

**PHOTOMETRIC MEASUREMENT REPORT N° 002**

Photometric measurement date: 9/16/2022

Company: PROIETTA SRL

Operator: Cristina Maftei

Type of photometric measurement: C - Gamma

**The measurements have been performed in the following laboratory ambient conditions:**

Temperature: 23°C+/-2°C

Relative humidity: 50%U.R.+/-15%U.R.

Air turbulence: < 0.2 m/s

Stabilization time before measurement: 30 seconds

Regulations applied: UNI-EN 13032-4

Electro Magnetic Compatibility (EMC): Shielded instrument

Luminaire name: ARCHILED 12X20 RGBW

Eulumdat reference: 12x20W-D.ltd

Size of luminaire (mm): 235 x 0 x 210

Size of luminous area (mm): 185 x 0

Number n of standard sets of lamps (optional): 1

Number of lamps: 1

Type of light source: LED TYANSHINE TX-5050RGBW20

Total luminous flux of the light source (lm): N.A.

Output luminous flux of the lamp (lm): 6378.47

Colour temperature (K): N.A.

Colour rendering index: N.A.

Supply current (mA): N.A.

Source power (W): 183

Power consumption included source power (W): 220

LED module efficacy (lm/W): N.A.

System light efficacy (lm/W): N.A.

Luminaire light efficacy (lm/W): 28.99

Light Output Ratio of luminaire (LOR): 100

Downward Flux Fraction (DFF): 100

Upward Flux Fraction (UFF): 0.00

Tilt during measurement (for street luminaires): 0

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## Luminous intensities

| Gamma | C0°     | C5°     | C10°    | C15°    | C20°    | C25°    | C30°    | C35°    | C40°    | C45°    | C50°    | C55°    |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 1542.92 | 1542.92 | 1542.92 | 1542.92 | 1542.92 | 1542.92 | 1542.92 | 1542.92 | 1542.92 | 1542.92 | 1542.92 | 1542.92 |
| 1°    | 1585.12 | 1580.62 | 1579.66 | 1577.95 | 1576.70 | 1573.12 | 1572.33 | 1570.27 | 1569.20 | 1567.01 | 1565.00 | 1563.04 |
| 2°    | 1568.04 | 1563.62 | 1562.91 | 1561.36 | 1560.49 | 1557.84 | 1557.23 | 1556.12 | 1555.44 | 1554.26 | 1553.12 | 1552.36 |
| 3°    | 1550.89 | 1546.40 | 1545.93 | 1544.66 | 1544.19 | 1542.13 | 1541.77 | 1541.37 | 1540.93 | 1541.02 | 1540.74 | 1541.21 |
| 4°    | 1533.42 | 1529.43 | 1528.89 | 1527.83 | 1527.55 | 1525.51 | 1525.64 | 1525.51 | 1525.46 | 1526.05 | 1526.26 | 1527.40 |
| 5°    | 1512.15 | 1508.59 | 1508.39 | 1507.55 | 1507.59 | 1506.91 | 1507.04 | 1507.37 | 1507.17 | 1508.16 | 1508.76 | 1510.38 |
| 6°    | 1489.40 | 1486.41 | 1486.76 | 1486.28 | 1486.24 | 1485.44 | 1485.65 | 1485.62 | 1485.29 | 1486.04 | 1486.52 | 1487.83 |
| 7°    | 1466.24 | 1463.71 | 1464.39 | 1463.67 | 1463.69 | 1464.36 | 1464.97 | 1464.61 | 1464.41 | 1465.26 | 1465.26 | 1466.76 |
| 8°    | 1442.32 | 1440.03 | 1440.77 | 1440.01 | 1440.61 | 1440.96 | 1441.73 | 1440.87 | 1440.92 | 1441.96 | 1441.63 | 1443.30 |
| 9°    | 1416.61 | 1414.35 | 1415.04 | 1414.74 | 1416.26 | 1417.41 | 1418.43 | 1417.14 | 1416.90 | 1417.77 | 1417.37 | 1419.30 |
| 10°   | 1388.87 | 1386.78 | 1387.47 | 1388.50 | 1390.36 | 1391.39 | 1392.81 | 1391.02 | 1390.32 | 1391.13 | 1391.27 | 1392.89 |
| 11°   | 1341.76 | 1340.79 | 1341.30 | 1343.06 | 1344.72 | 1346.81 | 1349.06 | 1347.43 | 1346.92 | 1348.56 | 1350.22 | 1351.00 |
| 12°   | 1296.57 | 1296.45 | 1296.60 | 1298.80 | 1300.14 | 1300.95 | 1303.24 | 1301.85 | 1301.86 | 1304.48 | 1307.12 | 1307.45 |
| 13°   | 1254.91 | 1255.22 | 1255.81 | 1257.38 | 1258.87 | 1258.07 | 1260.15 | 1259.43 | 1259.65 | 1262.22 | 1265.53 | 1266.74 |
| 14°   | 1215.29 | 1215.80 | 1216.09 | 1217.32 | 1218.68 | 1217.89 | 1219.23 | 1219.50 | 1219.40 | 1221.25 | 1225.29 | 1227.20 |
| 15°   | 1171.56 | 1171.86 | 1171.98 | 1173.53 | 1174.97 | 1175.95 | 1177.57 | 1178.66 | 1178.53 | 1179.33 | 1183.97 | 1185.53 |
| 16°   | 1096.86 | 1096.23 | 1096.57 | 1097.64 | 1099.23 | 1102.96 | 1105.09 | 1107.21 | 1107.23 | 1108.24 | 1112.79 | 1113.26 |
| 17°   | 1025.62 | 1024.92 | 1025.88 | 1026.05 | 1027.95 | 1032.80 | 1035.98 | 1038.84 | 1039.18 | 1040.36 | 1044.47 | 1044.47 |
| 18°   | 960.69  | 960.79  | 961.66  | 961.43  | 963.32  | 968.22  | 971.90  | 974.92  | 975.90  | 977.90  | 981.91  | 981.95  |
| 19°   | 900.54  | 900.72  | 902.51  | 902.08  | 903.81  | 908.73  | 912.77  | 915.80  | 917.11  | 919.34  | 923.72  | 923.97  |
| 20°   | 845.81  | 845.50  | 847.95  | 847.62  | 849.30  | 854.42  | 858.15  | 861.42  | 862.66  | 865.20  | 870.09  | 870.07  |
| 21°   | 784.94  | 783.95  | 786.10  | 786.54  | 787.69  | 792.94  | 796.82  | 799.35  | 801.01  | 803.11  | 806.98  | 807.40  |
| 22°   | 730.16  | 729.04  | 730.39  | 731.65  | 732.43  | 737.53  | 741.47  | 742.78  | 744.85  | 747.00  | 750.00  | 751.10  |
| 23°   | 680.19  | 679.20  | 680.40  | 681.86  | 682.50  | 687.55  | 691.69  | 692.75  | 694.68  | 696.59  | 699.11  | 700.69  |
| 24°   | 632.93  | 632.15  | 633.22  | 634.79  | 635.36  | 640.02  | 644.54  | 646.15  | 647.48  | 649.40  | 651.31  | 653.53  |
| 25°   | 586.06  | 584.91  | 586.08  | 587.56  | 588.17  | 592.55  | 597.35  | 599.10  | 600.53  | 602.41  | 603.13  | 606.00  |
| 26°   | 538.56  | 537.54  | 538.12  | 539.91  | 540.66  | 544.20  | 548.72  | 550.35  | 550.97  | 553.26  | 553.79  | 556.61  |
| 27°   | 494.77  | 494.11  | 493.83  | 495.93  | 496.80  | 500.07  | 503.59  | 504.89  | 505.41  | 507.69  | 508.55  | 510.96  |
| 28°   | 456.19  | 455.58  | 454.75  | 456.90  | 458.07  | 460.94  | 463.31  | 464.69  | 465.26  | 467.19  | 468.57  | 470.71  |
| 29°   | 421.62  | 420.29  | 419.71  | 421.82  | 423.51  | 425.89  | 427.26  | 428.96  | 429.47  | 431.41  | 432.56  | 434.73  |
| 30°   | 388.54  | 386.65  | 386.52  | 388.85  | 390.66  | 392.35  | 393.58  | 395.71  | 395.43  | 397.61  | 398.60  | 400.27  |
| 31°   | 358.02  | 356.65  | 356.65  | 358.73  | 360.13  | 361.52  | 363.13  | 364.91  | 364.25  | 366.49  | 366.89  | 368.17  |
| 32°   | 330.25  | 329.44  | 329.36  | 331.17  | 332.45  | 333.66  | 335.41  | 336.87  | 336.20  | 338.15  | 338.52  | 339.51  |
| 33°   | 303.27  | 303.05  | 302.75  | 304.37  | 305.78  | 307.10  | 308.72  | 310.17  | 309.98  | 311.85  | 311.92  | 313.00  |
| 34°   | 276.25  | 276.60  | 275.93  | 277.58  | 279.02  | 280.33  | 281.83  | 283.50  | 283.47  | 285.36  | 284.88  | 286.26  |
| 35°   | 250.12  | 250.61  | 250.13  | 251.33  | 252.66  | 254.00  | 255.78  | 257.24  | 257.13  | 258.47  | 257.51  | 258.84  |
| 36°   | 225.90  | 226.72  | 226.82  | 227.32  | 228.80  | 229.88  | 231.16  | 232.77  | 232.19  | 233.36  | 232.54  | 233.50  |
| 37°   | 202.76  | 203.98  | 204.25  | 204.42  | 205.79  | 207.17  | 207.97  | 209.70  | 209.13  | 210.05  | 209.48  | 210.15  |
| 38°   | 180.80  | 182.24  | 182.71  | 182.66  | 184.13  | 185.32  | 185.49  | 187.76  | 186.99  | 187.88  | 187.66  | 188.03  |
| 39°   | 160.54  | 162.05  | 162.26  | 162.42  | 163.72  | 164.77  | 164.83  | 167.17  | 166.42  | 166.94  | 167.13  | 166.84  |
| 40°   | 142.37  | 143.90  | 143.80  | 144.16  | 145.24  | 145.94  | 146.12  | 147.96  | 147.23  | 147.86  | 147.91  | 147.23  |
| 41°   | 130.18  | 131.40  | 130.46  | 131.13  | 131.75  | 132.57  | 132.82  | 134.06  | 133.68  | 134.18  | 133.77  | 133.52  |
| 42°   | 118.60  | 119.52  | 118.64  | 118.61  | 119.18  | 119.85  | 119.80  | 120.86  | 120.61  | 121.25  | 120.74  | 120.84  |
| 43°   | 108.53  | 109.37  | 108.32  | 107.62  | 108.01  | 108.78  | 108.64  | 109.67  | 109.76  | 110.29  | 110.10  | 110.11  |
| 44°   | 99.67   | 100.39  | 99.30   | 98.36   | 98.62   | 99.46   | 99.66   | 100.31  | 100.37  | 101.13  | 101.19  | 100.93  |
| 45°   | 91.60   | 92.17   | 91.12   | 90.50   | 90.52   | 91.02   | 91.35   | 92.00   | 92.10   | 92.50   | 92.69   | 92.38   |
| 46°   | 83.01   | 83.83   | 82.79   | 82.19   | 82.12   | 81.83   | 82.37   | 83.18   | 83.13   | 83.50   | 83.52   | 83.27   |
| 47°   | 74.68   | 75.51   | 74.55   | 73.77   | 73.47   | 72.96   | 73.61   | 74.34   | 74.64   | 74.92   | 74.69   | 74.59   |
| 48°   | 66.73   | 67.59   | 66.49   | 65.72   | 65.31   | 65.04   | 65.74   | 66.37   | 66.75   | 67.33   | 66.93   | 66.70   |
| 49°   | 59.58   | 60.15   | 59.47   | 58.74   | 58.35   | 58.31   | 58.62   | 59.57   | 59.92   | 60.42   | 60.28   | 59.97   |
| 50°   | 53.26   | 53.57   | 53.10   | 52.48   | 52.19   | 52.25   | 52.46   | 53.28   | 53.58   | 54.07   | 54.00   | 53.78   |
| 51°   | 47.73   | 48.11   | 47.84   | 47.12   | 46.94   | 46.85   | 46.75   | 47.36   | 47.80   | 48.41   | 48.28   | 48.21   |
| 52°   | 42.37   | 42.89   | 42.60   | 41.94   | 41.97   | 41.41   | 41.38   | 41.71   | 42.24   | 43.18   | 42.76   | 42.72   |
| 53°   | 37.71   | 38.05   | 37.90   | 37.35   | 37.55   | 36.86   | 36.66   | 37.00   | 37.62   | 38.51   | 37.98   | 38.11   |
| 54°   | 33.80   | 33.88   | 33.85   | 33.47   | 33.43   | 33.17   | 32.96   | 33.05   | 33.71   | 34.47   | 33.99   | 34.28   |

# PHOTOMETRIC MEASUREMENT REPORT N° 002

|       |         |         |         |         |         |         |         |         |         |         |         |         |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 55°   | 30.41   | 30.54   | 30.32   | 30.10   | 29.71   | 29.81   | 29.70   | 29.90   | 30.38   | 30.68   | 30.46   | 30.49   |
| 56°   | 26.71   | 26.95   | 26.74   | 26.53   | 26.34   | 25.93   | 26.08   | 26.40   | 26.63   | 26.66   | 26.64   | 26.56   |
| 57°   | 23.87   | 24.12   | 24.15   | 24.06   | 24.05   | 23.06   | 23.29   | 23.69   | 23.82   | 23.43   | 23.59   | 23.52   |
| 58°   | 21.40   | 21.74   | 21.62   | 21.77   | 21.71   | 20.87   | 21.03   | 21.44   | 21.67   | 21.19   | 21.23   | 21.18   |
| 59°   | 19.47   | 19.71   | 19.44   | 19.73   | 19.48   | 18.92   | 19.03   | 19.26   | 19.59   | 19.23   | 19.16   | 19.18   |
| 60°   | 17.21   | 17.28   | 17.12   | 17.19   | 17.06   | 17.04   | 17.19   | 17.34   | 17.41   | 17.66   | 17.57   | 17.66   |
| 61°   | 14.97   | 14.90   | 15.06   | 14.97   | 14.74   | 14.65   | 15.05   | 15.23   | 15.16   | 15.50   | 15.29   | 15.41   |
| 62°   | 13.13   | 13.02   | 13.14   | 13.12   | 12.74   | 12.53   | 13.10   | 13.32   | 13.29   | 13.63   | 13.30   | 13.17   |
| 63°   | 12.12   | 12.00   | 12.08   | 12.20   | 11.82   | 11.16   | 11.70   | 11.76   | 11.86   | 11.98   | 11.81   | 11.61   |
| 64°   | 11.21   | 11.18   | 11.13   | 11.33   | 11.03   | 10.61   | 10.99   | 11.03   | 11.09   | 11.19   | 11.34   | 11.12   |
| 65°   | 9.70    | 9.75    | 9.77    | 10.05   | 9.81    | 9.70    | 9.79    | 9.93    | 10.06   | 10.39   | 10.35   | 10.26   |
| 66°   | 8.03    | 8.11    | 8.18    | 8.29    | 8.28    | 8.36    | 8.37    | 8.58    | 8.46    | 9.20    | 9.06    | 9.02    |
| 67°   | 6.94    | 7.02    | 7.05    | 7.13    | 7.10    | 7.06    | 7.25    | 7.31    | 7.09    | 7.74    | 7.74    | 7.72    |
| 68°   | 6.49    | 6.62    | 6.54    | 6.50    | 6.61    | 6.48    | 6.83    | 6.68    | 6.55    | 6.82    | 6.94    | 6.97    |
| 69°   | 6.22    | 6.40    | 6.31    | 6.40    | 6.43    | 6.41    | 6.63    | 6.54    | 6.54    | 6.62    | 6.71    | 6.76    |
| 70°   | 6.00    | 6.16    | 6.14    | 6.20    | 6.31    | 6.28    | 6.36    | 6.46    | 6.49    | 6.59    | 6.63    | 6.73    |
| 71°   | 5.82    | 6.13    | 6.04    | 6.18    | 6.17    | 5.64    | 5.59    | 5.83    | 6.09    | 5.99    | 6.18    | 6.10    |
| 72°   | 5.41    | 5.85    | 5.88    | 5.85    | 5.96    | 5.06    | 5.10    | 5.31    | 5.60    | 5.35    | 5.60    | 5.43    |
| 73°   | 4.83    | 5.22    | 5.41    | 5.45    | 5.33    | 4.78    | 4.83    | 4.99    | 5.34    | 4.91    | 5.28    | 5.00    |
| 74°   | 4.29    | 4.27    | 4.70    | 4.67    | 4.53    | 4.41    | 4.42    | 4.66    | 5.11    | 4.62    | 5.08    | 4.73    |
| 75°   | 3.71    | 3.68    | 3.94    | 3.99    | 3.80    | 3.98    | 3.95    | 4.16    | 4.73    | 4.29    | 4.63    | 4.33    |
| 76°   | 2.86    | 2.92    | 3.05    | 3.06    | 3.02    | 3.42    | 3.41    | 3.56    | 3.92    | 3.68    | 3.94    | 3.73    |
| 77°   | 2.39    | 2.55    | 2.63    | 2.62    | 2.54    | 3.07    | 2.90    | 3.03    | 3.26    | 3.11    | 3.33    | 3.14    |
| 78°   | 2.18    | 2.22    | 2.35    | 2.30    | 2.27    | 2.68    | 2.48    | 2.63    | 2.75    | 2.66    | 2.88    | 2.70    |
| 79°   | 2.01    | 2.02    | 2.11    | 2.05    | 2.06    | 2.30    | 2.21    | 2.30    | 2.38    | 2.33    | 2.44    | 2.37    |
| 80°   | 1.86    | 1.82    | 1.92    | 1.92    | 1.91    | 1.96    | 1.94    | 2.00    | 2.03    | 2.01    | 2.07    | 2.09    |
| 81°   | 1.65    | 1.63    | 1.65    | 1.65    | 1.65    | 1.68    | 1.57    | 1.73    | 1.65    | 1.72    | 1.75    | 1.78    |
| 82°   | 1.47    | 1.49    | 1.43    | 1.44    | 1.46    | 1.52    | 1.35    | 1.48    | 1.37    | 1.49    | 1.56    | 1.55    |
| 83°   | 1.32    | 1.37    | 1.28    | 1.28    | 1.30    | 1.37    | 1.25    | 1.33    | 1.23    | 1.29    | 1.35    | 1.35    |
| 84°   | 1.21    | 1.25    | 1.15    | 1.16    | 1.19    | 1.21    | 1.19    | 1.23    | 1.13    | 1.13    | 1.19    | 1.17    |
| 85°   | 1.12    | 1.11    | 1.06    | 1.06    | 1.08    | 1.08    | 1.08    | 1.14    | 1.08    | 1.08    | 1.08    | 1.08    |
| 86°   | 1.17    | 1.11    | 1.10    | 1.07    | 1.09    | 1.11    | 1.09    | 1.13    | 1.12    | 1.12    | 1.09    | 1.10    |
| 87°   | 1.19    | 1.12    | 1.13    | 1.09    | 1.09    | 1.17    | 1.11    | 1.13    | 1.17    | 1.14    | 1.09    | 1.15    |
| 88°   | 1.20    | 1.15    | 1.15    | 1.13    | 1.12    | 1.19    | 1.16    | 1.15    | 1.18    | 1.14    | 1.15    | 1.18    |
| 89°   | 1.21    | 1.17    | 1.17    | 1.18    | 1.16    | 1.17    | 1.17    | 1.15    | 1.17    | 1.16    | 1.16    | 1.20    |
| 90°   | 1.26    | 1.20    | 1.20    | 1.20    | 1.20    | 1.20    | 1.20    | 1.20    | 1.20    | 1.20    | 1.13    | 1.20    |
| Gamma | C60°    | C65°    | C70°    | C75°    | C80°    | C85°    | C90°    | C95°    | C100°   | C105°   | C110°   | C115°   |
| 0°    | 1542.92 | 1542.92 | 1542.92 | 1542.92 | 1542.92 | 1542.92 | 1542.92 | 1542.92 | 1542.92 | 1542.92 | 1542.92 | 1542.92 |
| 1°    | 1561.50 | 1560.05 | 1558.10 | 1556.22 | 1554.81 | 1553.63 | 1552.30 | 1551.31 | 1550.65 | 1548.80 | 1548.01 | 1546.95 |
| 2°    | 1551.72 | 1551.00 | 1549.68 | 1548.81 | 1547.89 | 1547.35 | 1546.43 | 1545.75 | 1545.84 | 1544.70 | 1543.68 | 1540.59 |
| 3°    | 1541.32 | 1541.24 | 1540.56 | 1540.79 | 1540.25 | 1540.19 | 1539.62 | 1539.42 | 1540.04 | 1539.21 | 1537.99 | 1534.71 |
| 4°    | 1528.14 | 1528.79 | 1528.63 | 1529.63 | 1529.56 | 1530.21 | 1529.72 | 1530.75 | 1531.85 | 1530.91 | 1529.49 | 1528.03 |
| 5°    | 1511.57 | 1512.64 | 1513.33 | 1514.90 | 1515.84 | 1516.58 | 1517.77 | 1519.17 | 1521.02 | 1520.85 | 1519.26 | 1517.83 |
| 6°    | 1489.60 | 1491.08 | 1491.56 | 1493.54 | 1495.50 | 1496.97 | 1499.78 | 1501.85 | 1504.77 | 1506.75 | 1506.46 | 1504.02 |
| 7°    | 1469.01 | 1471.20 | 1471.25 | 1473.78 | 1476.17 | 1478.24 | 1481.21 | 1483.87 | 1487.50 | 1490.73 | 1491.62 | 1491.40 |
| 8°    | 1446.62 | 1449.57 | 1450.05 | 1453.16 | 1456.02 | 1459.75 | 1462.77 | 1466.10 | 1469.22 | 1472.51 | 1473.82 | 1477.09 |
| 9°    | 1423.23 | 1426.55 | 1427.34 | 1430.65 | 1434.35 | 1439.31 | 1443.08 | 1447.03 | 1449.79 | 1453.46 | 1455.35 | 1460.61 |
| 10°   | 1397.51 | 1401.26 | 1401.51 | 1405.30 | 1409.34 | 1415.35 | 1420.68 | 1425.69 | 1428.84 | 1433.11 | 1436.10 | 1440.93 |
| 11°   | 1355.38 | 1358.59 | 1359.00 | 1362.65 | 1366.73 | 1373.12 | 1379.73 | 1384.20 | 1388.06 | 1391.89 | 1395.21 | 1399.19 |
| 12°   | 1311.47 | 1314.38 | 1315.19 | 1319.54 | 1323.84 | 1331.06 | 1338.66 | 1341.58 | 1345.39 | 1348.80 | 1351.90 | 1356.76 |
| 13°   | 1270.07 | 1272.71 | 1274.55 | 1278.73 | 1283.61 | 1291.63 | 1298.98 | 1301.18 | 1304.58 | 1307.80 | 1311.22 | 1317.04 |
| 14°   | 1230.35 | 1233.32 | 1235.89 | 1239.65 | 1244.75 | 1253.29 | 1260.45 | 1262.17 | 1265.59 | 1269.05 | 1273.43 | 1280.01 |
| 15°   | 1188.68 | 1191.67 | 1194.91 | 1198.44 | 1203.57 | 1212.26 | 1220.00 | 1221.10 | 1224.80 | 1228.52 | 1233.37 | 1239.80 |
| 16°   | 1116.19 | 1119.38 | 1123.03 | 1128.52 | 1131.91 | 1138.80 | 1146.33 | 1147.03 | 1150.87 | 1154.45 | 1159.01 | 1166.21 |
| 17°   | 1046.91 | 1050.14 | 1054.80 | 1061.13 | 1063.32 | 1069.08 | 1076.65 | 1078.49 | 1081.71 | 1085.00 | 1088.64 | 1096.83 |
| 18°   | 984.30  | 988.00  | 992.79  | 998.74  | 1000.79 | 1005.53 | 1013.04 | 1015.75 | 1018.59 | 1021.86 | 1024.98 | 1033.55 |
| 19°   | 925.57  | 929.70  | 934.53  | 940.79  | 942.84  | 946.92  | 954.58  | 957.45  | 959.81  | 963.51  | 966.93  | 974.66  |

# PHOTOMETRIC MEASUREMENT REPORT N° 002

|     |        |        |        |        |        |        |        |        |        |        |        |        |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 20° | 871.00 | 874.60 | 879.32 | 885.85 | 887.64 | 891.14 | 898.52 | 900.76 | 902.66 | 906.41 | 910.09 | 917.05 |
| 21° | 808.22 | 810.67 | 815.56 | 820.97 | 822.24 | 825.48 | 832.24 | 834.94 | 835.43 | 838.89 | 843.05 | 849.19 |
| 22° | 752.13 | 754.13 | 758.52 | 762.69 | 763.75 | 766.28 | 772.20 | 775.50 | 775.27 | 778.37 | 782.71 | 788.27 |
| 23° | 701.59 | 703.59 | 708.05 | 711.47 | 712.32 | 714.14 | 719.70 | 722.86 | 722.65 | 725.32 | 730.43 | 734.94 |
| 24° | 654.21 | 656.34 | 660.79 | 663.53 | 664.35 | 665.92 | 670.82 | 674.18 | 674.08 | 676.47 | 681.93 | 686.32 |
| 25° | 606.71 | 608.91 | 613.35 | 615.97 | 616.26 | 618.05 | 622.56 | 625.97 | 625.64 | 628.02 | 633.85 | 638.76 |
| 26° | 557.90 | 560.59 | 564.47 | 567.05 | 567.58 | 568.93 | 572.50 | 575.59 | 575.86 | 577.77 | 583.63 | 588.84 |
| 27° | 512.36 | 515.05 | 518.79 | 520.91 | 521.85 | 522.59 | 525.90 | 527.64 | 528.33 | 529.92 | 535.84 | 540.63 |
| 28° | 472.16 | 475.14 | 478.78 | 479.95 | 481.20 | 481.50 | 484.00 | 485.10 | 486.16 | 487.63 | 492.80 | 497.54 |
| 29° | 435.98 | 439.42 | 442.50 | 443.67 | 444.49 | 444.61 | 446.32 | 447.19 | 448.78 | 450.27 | 454.71 | 459.22 |
| 30° | 401.50 | 405.21 | 407.54 | 409.11 | 409.67 | 409.73 | 411.01 | 411.86 | 413.83 | 414.85 | 418.61 | 422.82 |
| 31° | 368.99 | 372.25 | 374.52 | 376.24 | 376.28 | 376.73 | 377.80 | 378.25 | 380.50 | 381.28 | 384.83 | 387.34 |
| 32° | 340.03 | 343.39 | 345.52 | 346.63 | 346.48 | 347.39 | 348.16 | 348.49 | 350.52 | 351.29 | 354.74 | 355.73 |
| 33° | 313.32 | 316.43 | 318.99 | 319.43 | 319.42 | 320.56 | 321.42 | 321.45 | 323.37 | 324.53 | 328.14 | 328.35 |
| 34° | 286.26 | 289.24 | 292.13 | 292.08 | 292.10 | 293.77 | 294.87 | 294.65 | 296.34 | 297.82 | 301.32 | 301.58 |
| 35° | 259.08 | 261.33 | 264.50 | 264.19 | 264.17 | 265.71 | 266.81 | 266.69 | 268.44 | 269.35 | 272.60 | 272.92 |
| 36° | 234.11 | 235.96 | 238.51 | 238.37 | 238.07 | 239.28 | 240.01 | 240.33 | 241.73 | 242.35 | 245.38 | 244.74 |
| 37° | 211.06 | 212.58 | 214.86 | 214.78 | 214.45 | 215.26 | 215.95 | 216.63 | 217.73 | 218.33 | 221.25 | 220.17 |
| 38° | 188.89 | 190.29 | 192.36 | 192.15 | 192.04 | 192.91 | 193.60 | 194.30 | 195.44 | 196.52 | 199.12 | 198.21 |
| 39° | 167.75 | 168.88 | 170.80 | 170.68 | 170.91 | 171.50 | 172.31 | 172.99 | 174.26 | 175.38 | 177.37 | 177.00 |
| 40° | 148.38 | 149.22 | 150.56 | 150.57 | 150.93 | 151.55 | 152.11 | 152.77 | 153.91 | 155.10 | 156.66 | 156.10 |
| 41° | 134.85 | 135.41 | 135.89 | 136.13 | 136.70 | 137.60 | 137.99 | 138.57 | 139.45 | 140.18 | 141.61 | 141.51 |
| 42° | 122.14 | 122.49 | 122.44 | 122.43 | 123.35 | 124.24 | 124.71 | 125.05 | 125.73 | 126.24 | 127.70 | 127.95 |
| 43° | 111.25 | 111.50 | 111.12 | 111.26 | 112.14 | 112.82 | 113.61 | 113.66 | 114.07 | 114.42 | 115.67 | 116.18 |
| 44° | 101.80 | 102.03 | 101.78 | 101.80 | 102.66 | 103.29 | 104.18 | 104.15 | 104.14 | 104.76 | 105.59 | 105.78 |
| 45° | 92.97  | 93.00  | 93.06  | 93.02  | 94.05  | 94.86  | 95.66  | 95.37  | 95.22  | 95.81  | 96.33  | 96.64  |
| 46° | 83.60  | 83.20  | 83.81  | 83.57  | 84.90  | 85.66  | 86.23  | 85.86  | 85.59  | 86.33  | 86.55  | 86.97  |
| 47° | 74.55  | 74.07  | 74.77  | 74.72  | 75.88  | 76.58  | 77.30  | 76.91  | 76.57  | 76.92  | 77.19  | 78.18  |
| 48° | 66.42  | 65.96  | 66.61  | 66.75  | 67.57  | 68.13  | 68.99  | 68.60  | 68.34  | 68.37  | 68.69  | 69.54  |
| 49° | 59.53  | 59.33  | 59.83  | 60.12  | 60.86  | 61.15  | 61.97  | 61.67  | 61.25  | 61.07  | 61.41  | 61.86  |
| 50° | 53.52  | 53.13  | 53.66  | 54.07  | 54.75  | 54.99  | 55.56  | 55.34  | 54.88  | 54.85  | 54.79  | 54.97  |
| 51° | 48.01  | 47.61  | 48.41  | 48.75  | 49.30  | 49.70  | 49.99  | 49.87  | 49.49  | 49.63  | 49.16  | 49.47  |
| 52° | 42.76  | 42.06  | 42.92  | 43.40  | 43.81  | 44.23  | 44.55  | 44.21  | 44.12  | 44.39  | 43.72  | 43.99  |
| 53° | 38.01  | 37.50  | 38.16  | 38.77  | 39.17  | 39.37  | 39.47  | 39.20  | 39.26  | 39.51  | 38.99  | 39.17  |
| 54° | 33.85  | 33.61  | 34.17  | 34.63  | 34.95  | 35.13  | 35.19  | 35.05  | 35.24  | 35.19  | 34.95  | 34.96  |
| 55° | 30.28  | 30.05  | 30.64  | 30.86  | 31.19  | 31.14  | 31.34  | 31.32  | 31.39  | 31.23  | 31.13  | 31.05  |
| 56° | 26.79  | 26.51  | 26.74  | 26.94  | 27.24  | 27.17  | 27.67  | 27.47  | 27.55  | 27.42  | 27.24  | 27.22  |
| 57° | 23.93  | 23.62  | 23.75  | 23.93  | 24.27  | 23.97  | 24.29  | 24.20  | 24.35  | 24.33  | 24.13  | 24.02  |
| 58° | 21.41  | 21.20  | 21.39  | 21.52  | 21.62  | 21.53  | 21.85  | 21.73  | 21.74  | 21.91  | 21.75  | 21.81  |
| 59° | 19.20  | 19.07  | 19.26  | 19.37  | 19.29  | 19.19  | 19.44  | 19.56  | 19.35  | 19.51  | 19.41  | 19.69  |
| 60° | 17.47  | 17.35  | 17.61  | 17.78  | 17.63  | 17.64  | 17.82  | 17.80  | 17.71  | 17.81  | 17.80  | 17.97  |
| 61° | 15.14  | 14.95  | 15.42  | 15.46  | 15.51  | 15.34  | 15.59  | 15.38  | 15.42  | 15.44  | 15.50  | 16.04  |
| 62° | 13.20  | 12.98  | 13.40  | 13.42  | 13.51  | 13.34  | 13.65  | 13.37  | 13.38  | 13.41  | 13.29  | 14.28  |
| 63° | 11.85  | 11.79  | 12.04  | 12.02  | 12.10  | 11.90  | 11.90  | 11.99  | 11.95  | 12.04  | 11.66  | 12.51  |
| 64° | 11.33  | 11.23  | 11.41  | 11.22  | 11.52  | 11.27  | 11.10  | 11.32  | 11.43  | 11.62  | 11.08  | 11.19  |
| 65° | 10.16  | 10.09  | 10.09  | 10.11  | 10.24  | 10.02  | 10.17  | 10.11  | 10.30  | 10.44  | 10.27  | 10.47  |
| 66° | 8.71   | 8.73   | 8.73   | 8.70   | 8.64   | 8.48   | 8.71   | 8.42   | 8.86   | 8.93   | 9.02   | 9.74   |
| 67° | 7.34   | 7.71   | 7.56   | 7.52   | 7.34   | 7.28   | 7.35   | 7.11   | 7.45   | 7.62   | 7.72   | 8.66   |
| 68° | 6.87   | 7.25   | 6.96   | 6.81   | 6.80   | 6.75   | 6.72   | 6.66   | 7.02   | 7.10   | 6.93   | 7.56   |
| 69° | 6.77   | 6.97   | 6.55   | 6.69   | 6.58   | 6.57   | 6.49   | 6.54   | 6.81   | 6.78   | 6.64   | 6.99   |
| 70° | 6.62   | 6.61   | 6.38   | 6.59   | 6.30   | 6.25   | 6.18   | 6.21   | 6.41   | 6.53   | 6.57   | 6.81   |
| 71° | 5.92   | 5.88   | 5.74   | 5.86   | 5.66   | 5.61   | 5.56   | 5.51   | 5.59   | 5.80   | 5.90   | 6.29   |
| 72° | 5.40   | 5.35   | 5.29   | 5.24   | 5.24   | 5.15   | 5.19   | 4.98   | 5.18   | 5.31   | 5.37   | 5.78   |
| 73° | 5.03   | 4.94   | 5.09   | 4.91   | 4.93   | 4.83   | 4.93   | 4.76   | 4.96   | 5.10   | 5.04   | 5.35   |
| 74° | 4.58   | 4.60   | 4.78   | 4.54   | 4.46   | 4.40   | 4.36   | 4.42   | 4.54   | 4.69   | 4.73   | 4.77   |
| 75° | 4.07   | 4.13   | 4.14   | 3.92   | 3.90   | 3.82   | 3.85   | 3.95   | 4.04   | 4.16   | 4.19   | 4.14   |
| 76° | 3.55   | 3.51   | 3.44   | 3.26   | 3.36   | 3.28   | 3.40   | 3.39   | 3.54   | 3.60   | 3.61   | 3.47   |

# PHOTOMETRIC MEASUREMENT REPORT N° 002

|       |         |         |         |         |         |         |         |         |         |         |         |         |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 77°   | 3.09    | 2.91    | 2.89    | 2.83    | 2.83    | 2.82    | 3.05    | 2.92    | 3.13    | 3.14    | 3.17    | 2.97    |
| 78°   | 2.67    | 2.54    | 2.52    | 2.52    | 2.43    | 2.47    | 2.61    | 2.53    | 2.68    | 2.67    | 2.77    | 2.55    |
| 79°   | 2.30    | 2.24    | 2.16    | 2.23    | 2.18    | 2.20    | 2.33    | 2.26    | 2.35    | 2.35    | 2.39    | 2.27    |
| 80°   | 2.00    | 1.93    | 1.94    | 1.94    | 1.96    | 1.99    | 2.04    | 2.07    | 2.07    | 2.07    | 2.06    | 2.10    |
| 81°   | 1.69    | 1.59    | 1.64    | 1.64    | 1.68    | 1.71    | 1.73    | 1.73    | 1.80    | 1.78    | 1.81    | 1.82    |
| 82°   | 1.44    | 1.36    | 1.43    | 1.43    | 1.46    | 1.47    | 1.57    | 1.47    | 1.55    | 1.55    | 1.63    | 1.61    |
| 83°   | 1.28    | 1.18    | 1.29    | 1.27    | 1.33    | 1.33    | 1.39    | 1.32    | 1.40    | 1.42    | 1.45    | 1.45    |
| 84°   | 1.19    | 1.08    | 1.20    | 1.19    | 1.22    | 1.21    | 1.25    | 1.23    | 1.23    | 1.26    | 1.32    | 1.32    |
| 85°   | 1.12    | 1.06    | 1.11    | 1.11    | 1.11    | 1.10    | 1.15    | 1.10    | 1.15    | 1.14    | 1.23    | 1.17    |
| 86°   | 1.13    | 1.12    | 1.09    | 1.11    | 1.12    | 1.09    | 1.21    | 1.07    | 1.18    | 1.14    | 1.23    | 1.16    |
| 87°   | 1.12    | 1.10    | 1.13    | 1.09    | 1.16    | 1.10    | 1.19    | 1.11    | 1.20    | 1.20    | 1.21    | 1.17    |
| 88°   | 1.14    | 1.08    | 1.18    | 1.13    | 1.23    | 1.12    | 1.20    | 1.17    | 1.18    | 1.23    | 1.21    | 1.21    |
| 89°   | 1.14    | 1.13    | 1.23    | 1.15    | 1.24    | 1.13    | 1.21    | 1.22    | 1.21    | 1.23    | 1.19    | 1.23    |
| 90°   | 1.20    | 1.20    | 1.18    | 1.18    | 1.24    | 1.18    | 1.23    | 1.24    | 1.24    | 1.24    | 1.18    | 1.24    |
| Gamma | C120°   | C125°   | C130°   | C135°   | C140°   | C145°   | C150°   | C155°   | C160°   | C165°   | C170°   | C175°   |
| 0°    | 1542.92 | 1542.92 | 1542.92 | 1542.92 | 1542.92 | 1542.92 | 1542.92 | 1542.92 | 1542.92 | 1542.92 | 1542.92 | 1542.92 |
| 1°    | 1545.29 | 1543.74 | 1542.03 | 1540.33 | 1539.23 | 1537.55 | 1536.55 | 1534.56 | 1533.39 | 1532.36 | 1529.93 | 1528.93 |
| 2°    | 1539.26 | 1537.83 | 1536.74 | 1535.18 | 1534.30 | 1533.20 | 1532.44 | 1530.80 | 1529.91 | 1528.85 | 1526.22 | 1523.62 |
| 3°    | 1533.32 | 1532.35 | 1531.22 | 1529.87 | 1529.12 | 1528.36 | 1527.59 | 1526.55 | 1525.58 | 1524.51 | 1521.69 | 1517.73 |
| 4°    | 1526.28 | 1526.01 | 1524.57 | 1523.01 | 1521.89 | 1520.91 | 1520.11 | 1519.13 | 1517.83 | 1516.23 | 1513.11 | 1508.82 |
| 5°    | 1516.22 | 1516.46 | 1514.76 | 1513.31 | 1512.16 | 1511.49 | 1510.56 | 1509.98 | 1508.49 | 1506.97 | 1503.66 | 1498.81 |
| 6°    | 1502.96 | 1502.22 | 1500.72 | 1499.70 | 1498.54 | 1497.46 | 1496.35 | 1496.37 | 1495.63 | 1494.52 | 1491.72 | 1487.49 |
| 7°    | 1490.53 | 1488.95 | 1487.37 | 1486.38 | 1484.46 | 1482.57 | 1481.00 | 1481.37 | 1481.30 | 1481.40 | 1478.83 | 1474.89 |
| 8°    | 1476.81 | 1474.36 | 1471.65 | 1469.73 | 1466.72 | 1463.88 | 1462.67 | 1463.17 | 1463.65 | 1464.66 | 1462.36 | 1459.07 |
| 9°    | 1461.04 | 1457.44 | 1454.19 | 1451.36 | 1448.47 | 1445.40 | 1444.71 | 1445.68 | 1446.78 | 1448.11 | 1446.38 | 1443.75 |
| 10°   | 1441.74 | 1436.87 | 1433.92 | 1431.22 | 1428.54 | 1425.55 | 1425.30 | 1426.87 | 1428.50 | 1429.75 | 1428.79 | 1426.86 |
| 11°   | 1400.12 | 1396.32 | 1394.31 | 1391.60 | 1388.71 | 1385.66 | 1385.30 | 1386.20 | 1388.02 | 1389.26 | 1388.67 | 1386.63 |
| 12°   | 1358.10 | 1355.52 | 1353.40 | 1350.50 | 1347.34 | 1343.75 | 1343.03 | 1343.60 | 1345.44 | 1346.78 | 1346.09 | 1343.97 |
| 13°   | 1318.68 | 1316.73 | 1314.95 | 1311.68 | 1308.92 | 1304.74 | 1303.93 | 1304.02 | 1305.76 | 1307.09 | 1306.38 | 1304.56 |
| 14°   | 1281.75 | 1280.66 | 1279.27 | 1275.50 | 1272.41 | 1268.18 | 1267.37 | 1267.33 | 1268.85 | 1270.45 | 1269.69 | 1268.03 |
| 15°   | 1242.09 | 1241.98 | 1240.84 | 1236.52 | 1232.48 | 1228.57 | 1227.64 | 1227.27 | 1229.43 | 1230.68 | 1230.24 | 1228.40 |
| 16°   | 1168.16 | 1169.04 | 1167.15 | 1163.19 | 1158.32 | 1155.52 | 1154.58 | 1154.66 | 1156.31 | 1157.33 | 1157.53 | 1156.40 |
| 17°   | 1098.17 | 1099.38 | 1096.71 | 1093.09 | 1088.33 | 1086.50 | 1085.89 | 1086.40 | 1087.26 | 1088.19 | 1089.08 | 1088.17 |
| 18°   | 1034.34 | 1035.94 | 1032.60 | 1029.10 | 1024.63 | 1023.57 | 1023.20 | 1024.47 | 1024.62 | 1025.60 | 1026.81 | 1025.63 |
| 19°   | 975.44  | 977.60  | 973.66  | 970.41  | 965.61  | 965.60  | 965.03  | 966.41  | 966.18  | 967.82  | 969.00  | 967.91  |
| 20°   | 917.38  | 920.19  | 916.13  | 912.80  | 908.12  | 908.63  | 907.75  | 909.22  | 908.55  | 910.86  | 912.00  | 911.66  |
| 21°   | 849.45  | 851.59  | 848.39  | 845.41  | 841.71  | 842.51  | 841.16  | 842.20  | 842.69  | 845.70  | 846.61  | 845.58  |
| 22°   | 788.95  | 790.07  | 788.02  | 785.30  | 782.29  | 782.79  | 781.60  | 782.14  | 783.75  | 787.05  | 787.72  | 785.54  |
| 23°   | 736.50  | 736.60  | 734.91  | 733.34  | 730.40  | 730.98  | 730.06  | 729.87  | 732.08  | 736.10  | 736.30  | 733.55  |
| 24°   | 688.09  | 687.83  | 686.21  | 685.08  | 682.25  | 683.05  | 682.13  | 681.71  | 684.07  | 688.90  | 688.76  | 685.29  |
| 25°   | 640.17  | 640.40  | 638.26  | 637.15  | 634.44  | 635.74  | 634.79  | 634.49  | 637.02  | 642.03  | 641.81  | 638.02  |
| 26°   | 589.84  | 590.70  | 588.26  | 586.46  | 583.82  | 584.85  | 585.25  | 585.45  | 587.44  | 592.36  | 591.28  | 588.58  |
| 27°   | 541.50  | 542.94  | 540.08  | 538.31  | 535.72  | 536.75  | 537.67  | 538.20  | 540.03  | 544.96  | 542.84  | 541.24  |
| 28°   | 498.29  | 499.61  | 497.03  | 494.90  | 493.33  | 493.82  | 495.29  | 495.90  | 497.43  | 502.48  | 499.76  | 498.33  |
| 29°   | 459.97  | 461.24  | 458.63  | 456.43  | 455.52  | 455.80  | 457.47  | 458.41  | 459.80  | 464.58  | 461.48  | 459.95  |
| 30°   | 423.95  | 424.68  | 422.33  | 420.03  | 419.29  | 419.52  | 421.64  | 422.80  | 424.32  | 428.45  | 425.33  | 424.13  |
| 31°   | 388.83  | 389.40  | 386.89  | 385.01  | 384.29  | 384.82  | 387.04  | 387.92  | 389.85  | 392.68  | 390.09  | 388.72  |
| 32°   | 357.17  | 357.84  | 355.56  | 353.73  | 353.23  | 353.85  | 355.94  | 356.55  | 358.44  | 360.56  | 358.32  | 356.77  |
| 33°   | 329.81  | 330.28  | 328.30  | 326.44  | 326.13  | 326.91  | 328.72  | 329.28  | 330.97  | 332.85  | 330.54  | 328.86  |
| 34°   | 302.88  | 303.14  | 301.42  | 299.52  | 299.38  | 300.19  | 301.54  | 302.62  | 303.92  | 305.72  | 303.40  | 301.65  |
| 35°   | 274.06  | 274.06  | 272.75  | 270.86  | 271.08  | 272.02  | 272.73  | 274.44  | 275.34  | 276.88  | 274.83  | 273.00  |
| 36°   | 245.96  | 245.66  | 244.65  | 242.93  | 243.13  | 244.23  | 244.56  | 246.48  | 247.04  | 248.39  | 246.61  | 245.14  |
| 37°   | 221.55  | 220.95  | 220.27  | 218.63  | 218.72  | 220.01  | 220.62  | 222.07  | 222.28  | 223.66  | 221.96  | 221.02  |
| 38°   | 199.42  | 198.88  | 197.71  | 196.89  | 196.35  | 197.90  | 198.59  | 199.81  | 200.07  | 200.96  | 199.81  | 199.08  |
| 39°   | 178.02  | 177.43  | 176.12  | 175.98  | 174.84  | 176.81  | 177.16  | 178.42  | 178.72  | 179.08  | 178.37  | 177.77  |
| 40°   | 157.08  | 156.43  | 155.20  | 155.14  | 154.18  | 156.05  | 156.28  | 157.41  | 157.79  | 157.67  | 157.19  | 156.65  |
| 41°   | 142.33  | 141.85  | 140.85  | 140.73  | 139.97  | 141.42  | 141.74  | 142.42  | 142.97  | 142.85  | 142.20  | 141.70  |

# PHOTOMETRIC MEASUREMENT REPORT N° 002

|       |         |         |         |         |         |         |         |         |         |         |         |         |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 42°   | 128.68  | 128.45  | 127.56  | 127.50  | 126.79  | 127.99  | 128.36  | 128.47  | 129.46  | 129.14  | 128.62  | 128.06  |
| 43°   | 116.83  | 116.70  | 116.21  | 116.03  | 115.41  | 116.20  | 116.68  | 116.62  | 117.53  | 117.24  | 116.78  | 116.13  |
| 44°   | 106.28  | 106.37  | 106.27  | 106.05  | 105.73  | 106.13  | 106.34  | 106.26  | 107.18  | 106.74  | 106.35  | 105.82  |
| 45°   | 97.15   | 97.15   | 96.99   | 97.03   | 96.81   | 97.04   | 96.94   | 96.86   | 97.60   | 97.12   | 96.87   | 96.49   |
| 46°   | 87.57   | 87.76   | 87.38   | 87.65   | 87.61   | 87.78   | 87.49   | 87.18   | 87.60   | 87.01   | 87.03   | 86.76   |
| 47°   | 78.58   | 78.87   | 78.38   | 78.59   | 78.69   | 78.84   | 78.65   | 78.25   | 78.09   | 77.81   | 78.04   | 77.45   |
| 48°   | 69.92   | 70.54   | 70.15   | 70.34   | 70.54   | 70.38   | 70.25   | 69.76   | 69.50   | 69.36   | 69.58   | 68.84   |
| 49°   | 62.44   | 62.87   | 62.72   | 62.90   | 63.01   | 62.64   | 62.78   | 62.22   | 61.85   | 61.68   | 61.80   | 61.42   |
| 50°   | 55.63   | 55.93   | 56.11   | 56.11   | 56.31   | 55.84   | 55.89   | 55.08   | 55.05   | 54.77   | 54.74   | 54.58   |
| 51°   | 49.78   | 50.02   | 50.33   | 50.12   | 50.26   | 50.15   | 49.87   | 48.99   | 49.15   | 48.67   | 48.71   | 48.47   |
| 52°   | 44.35   | 44.56   | 44.94   | 44.70   | 44.80   | 44.59   | 44.27   | 43.64   | 43.61   | 43.09   | 43.02   | 42.71   |
| 53°   | 39.55   | 39.73   | 39.85   | 39.85   | 39.69   | 39.48   | 39.34   | 38.95   | 38.79   | 38.13   | 37.90   | 37.87   |
| 54°   | 35.48   | 35.67   | 35.58   | 35.53   | 35.44   | 35.18   | 35.01   | 34.70   | 34.70   | 34.19   | 33.81   | 33.69   |
| 55°   | 31.60   | 31.82   | 31.76   | 31.76   | 31.76   | 31.43   | 31.36   | 30.81   | 30.91   | 30.34   | 30.30   | 29.97   |
| 56°   | 27.96   | 28.05   | 28.24   | 28.31   | 28.15   | 27.63   | 27.92   | 27.27   | 27.05   | 26.72   | 26.53   | 26.20   |
| 57°   | 24.61   | 24.79   | 24.95   | 25.17   | 24.92   | 24.48   | 24.66   | 24.07   | 23.87   | 23.58   | 23.29   | 23.30   |
| 58°   | 22.31   | 22.52   | 22.66   | 22.69   | 22.49   | 22.31   | 22.09   | 21.76   | 21.50   | 21.26   | 21.04   | 20.91   |
| 59°   | 20.02   | 20.18   | 20.51   | 20.50   | 20.21   | 20.08   | 19.79   | 19.37   | 19.25   | 18.98   | 18.88   | 18.74   |
| 60°   | 18.15   | 18.33   | 18.51   | 18.57   | 18.20   | 18.13   | 17.88   | 17.49   | 17.39   | 17.20   | 16.94   | 16.84   |
| 61°   | 16.10   | 16.36   | 16.40   | 16.57   | 16.41   | 16.07   | 15.84   | 15.45   | 15.35   | 15.12   | 14.99   | 14.88   |
| 62°   | 14.33   | 14.85   | 14.97   | 15.07   | 14.80   | 14.53   | 14.21   | 13.74   | 13.39   | 13.02   | 13.37   | 12.89   |
| 63°   | 12.46   | 13.05   | 13.27   | 13.45   | 12.95   | 12.80   | 12.49   | 12.04   | 11.64   | 11.32   | 11.68   | 11.27   |
| 64°   | 11.24   | 11.58   | 11.69   | 11.83   | 11.49   | 11.46   | 11.19   | 10.89   | 10.66   | 10.37   | 10.63   | 10.21   |
| 65°   | 10.43   | 10.68   | 10.69   | 10.92   | 10.80   | 10.52   | 10.34   | 10.07   | 9.90    | 9.80    | 9.76    | 9.36    |
| 66°   | 9.81    | 10.98   | 10.04   | 10.29   | 10.22   | 9.70    | 9.50    | 9.18    | 9.07    | 8.80    | 8.60    | 8.02    |
| 67°   | 8.90    | 10.57   | 8.95    | 9.26    | 9.12    | 8.59    | 8.31    | 8.13    | 8.15    | 7.62    | 7.26    | 6.81    |
| 68°   | 7.88    | 10.96   | 7.82    | 7.96    | 7.88    | 7.58    | 7.31    | 8.11    | 7.31    | 6.65    | 6.41    | 6.16    |
| 69°   | 6.96    | 11.44   | 7.09    | 7.35    | 6.95    | 6.97    | 6.78    | 8.16    | 6.71    | 6.34    | 6.06    | 6.06    |
| 70°   | 6.70    | 11.96   | 6.86    | 7.10    | 6.78    | 6.79    | 6.65    | 7.61    | 6.49    | 6.30    | 6.03    | 5.89    |
| 71°   | 6.34    | 8.84    | 6.57    | 6.77    | 6.63    | 6.50    | 6.31    | 6.31    | 6.21    | 5.97    | 5.77    | 5.49    |
| 72°   | 5.91    | 7.41    | 6.22    | 6.31    | 6.30    | 6.01    | 5.90    | 5.67    | 5.85    | 5.60    | 5.37    | 5.20    |
| 73°   | 5.35    | 6.30    | 5.86    | 5.83    | 5.87    | 5.46    | 5.51    | 5.27    | 5.43    | 5.27    | 4.96    | 4.94    |
| 74°   | 4.80    | 5.30    | 5.37    | 5.31    | 5.44    | 4.91    | 4.96    | 4.68    | 4.92    | 4.76    | 4.54    | 4.51    |
| 75°   | 4.19    | 4.52    | 4.85    | 4.85    | 4.96    | 4.52    | 4.40    | 4.23    | 4.35    | 4.10    | 4.03    | 3.98    |
| 76°   | 3.53    | 3.86    | 4.10    | 4.09    | 4.18    | 3.91    | 3.82    | 3.67    | 3.57    | 3.28    | 3.26    | 3.09    |
| 77°   | 2.95    | 3.27    | 3.49    | 3.44    | 3.47    | 3.39    | 3.33    | 3.16    | 2.90    | 2.72    | 2.69    | 2.46    |
| 78°   | 2.57    | 2.75    | 2.91    | 2.94    | 2.94    | 2.88    | 2.85    | 2.68    | 2.49    | 2.37    | 2.27    | 2.08    |
| 79°   | 2.35    | 2.43    | 2.52    | 2.62    | 2.56    | 2.53    | 2.49    | 2.38    | 2.21    | 2.10    | 1.97    | 1.89    |
| 80°   | 2.18    | 2.22    | 2.29    | 2.35    | 2.34    | 2.29    | 2.30    | 2.18    | 2.05    | 1.90    | 1.80    | 1.72    |
| 81°   | 1.87    | 1.91    | 1.98    | 1.98    | 2.00    | 1.97    | 1.94    | 1.91    | 1.83    | 1.65    | 1.63    | 1.49    |
| 82°   | 1.62    | 1.69    | 1.71    | 1.71    | 1.73    | 1.72    | 1.70    | 1.68    | 1.65    | 1.48    | 1.46    | 1.32    |
| 83°   | 1.47    | 1.51    | 1.51    | 1.51    | 1.50    | 1.51    | 1.50    | 1.50    | 1.47    | 1.34    | 1.33    | 1.20    |
| 84°   | 1.33    | 1.36    | 1.34    | 1.35    | 1.32    | 1.36    | 1.35    | 1.35    | 1.37    | 1.21    | 1.24    | 1.10    |
| 85°   | 1.22    | 1.22    | 1.21    | 1.21    | 1.21    | 1.25    | 1.21    | 1.22    | 1.25    | 1.11    | 1.14    | 1.00    |
| 86°   | 1.22    | 1.23    | 1.21    | 1.22    | 1.25    | 1.29    | 1.23    | 1.21    | 1.27    | 1.17    | 1.16    | 1.04    |
| 87°   | 1.26    | 1.22    | 1.21    | 1.22    | 1.28    | 1.29    | 1.23    | 1.24    | 1.30    | 1.23    | 1.19    | 1.09    |
| 88°   | 1.25    | 1.22    | 1.20    | 1.22    | 1.29    | 1.28    | 1.23    | 1.28    | 1.33    | 1.24    | 1.24    | 1.13    |
| 89°   | 1.24    | 1.26    | 1.23    | 1.22    | 1.29    | 1.27    | 1.25    | 1.30    | 1.30    | 1.24    | 1.27    | 1.17    |
| 90°   | 1.23    | 1.32    | 1.26    | 1.24    | 1.31    | 1.31    | 1.31    | 1.31    | 1.31    | 1.31    | 1.31    | 1.24    |
| Gamma | C180°   | C185°   | C190°   | C195°   | C200°   | C205°   | C210°   | C215°   | C220°   | C225°   | C230°   | C235°   |
| 0°    | 1542.92 | 1542.92 | 1542.92 | 1542.92 | 1542.92 | 1542.92 | 1542.92 | 1542.92 | 1542.92 | 1542.92 | 1542.92 | 1542.92 |
| 1°    | 1527.26 | 1526.13 | 1524.96 | 1523.55 | 1522.32 | 1522.26 | 1521.08 | 1519.38 | 1518.85 | 1517.77 | 1517.69 | 1516.73 |
| 2°    | 1520.94 | 1518.71 | 1516.46 | 1513.71 | 1511.48 | 1510.91 | 1509.45 | 1508.03 | 1507.43 | 1507.42 | 1506.56 | 1505.35 |
| 3°    | 1514.76 | 1511.44 | 1508.37 | 1504.52 | 1501.39 | 1499.71 | 1496.92 | 1495.20 | 1493.94 | 1494.22 | 1492.61 | 1491.30 |
| 4°    | 1505.29 | 1501.05 | 1497.57 | 1493.17 | 1489.92 | 1487.12 | 1483.11 | 1480.82 | 1479.34 | 1479.13 | 1477.24 | 1475.84 |
| 5°    | 1494.73 | 1489.91 | 1485.70 | 1480.87 | 1476.91 | 1473.38 | 1469.29 | 1465.87 | 1463.77 | 1462.69 | 1460.12 | 1457.81 |
| 6°    | 1483.99 | 1478.92 | 1473.42 | 1467.66 | 1463.35 | 1461.17 | 1457.83 | 1453.16 | 1448.91 | 1445.44 | 1441.03 | 1437.69 |

# PHOTOMETRIC MEASUREMENT REPORT N° 002

|     |         |         |         |         |         |         |         |         |         |         |         |         |
|-----|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 7°  | 1472.28 | 1467.34 | 1460.65 | 1454.33 | 1450.55 | 1450.13 | 1446.00 | 1440.13 | 1433.70 | 1427.80 | 1422.39 | 1418.85 |
| 8°  | 1457.06 | 1452.65 | 1446.71 | 1440.36 | 1436.82 | 1436.13 | 1430.16 | 1423.21 | 1416.37 | 1410.14 | 1403.71 | 1399.11 |
| 9°  | 1441.63 | 1437.77 | 1432.15 | 1425.37 | 1420.90 | 1420.17 | 1413.72 | 1405.76 | 1398.32 | 1391.14 | 1383.47 | 1377.62 |
| 10° | 1424.91 | 1420.96 | 1415.22 | 1407.29 | 1401.55 | 1401.55 | 1395.40 | 1386.43 | 1377.68 | 1369.03 | 1359.18 | 1352.30 |
| 11° | 1384.68 | 1380.40 | 1374.93 | 1367.21 | 1361.07 | 1359.80 | 1353.63 | 1345.07 | 1335.66 | 1326.41 | 1316.13 | 1308.28 |
| 12° | 1342.34 | 1337.97 | 1333.62 | 1326.70 | 1320.57 | 1317.06 | 1310.41 | 1301.63 | 1292.58 | 1284.83 | 1274.64 | 1265.11 |
| 13° | 1302.96 | 1298.24 | 1294.11 | 1287.65 | 1282.42 | 1277.72 | 1270.80 | 1261.98 | 1252.73 | 1245.00 | 1235.57 | 1225.21 |
| 14° | 1266.31 | 1261.19 | 1256.45 | 1250.09 | 1246.10 | 1240.54 | 1233.93 | 1225.61 | 1215.48 | 1207.60 | 1198.87 | 1187.35 |
| 15° | 1226.69 | 1221.25 | 1216.54 | 1210.83 | 1207.21 | 1200.12 | 1193.56 | 1186.36 | 1176.04 | 1168.05 | 1159.28 | 1146.95 |
| 16° | 1154.93 | 1150.05 | 1145.63 | 1140.52 | 1136.88 | 1130.31 | 1123.33 | 1116.50 | 1106.24 | 1099.11 | 1091.03 | 1079.43 |
| 17° | 1087.06 | 1082.39 | 1078.36 | 1073.32 | 1069.22 | 1063.63 | 1056.37 | 1049.43 | 1039.21 | 1032.06 | 1024.77 | 1014.74 |
| 18° | 1024.93 | 1020.78 | 1017.10 | 1012.09 | 1007.94 | 1002.75 | 995.05  | 988.31  | 978.38  | 970.72  | 963.98  | 955.22  |
| 19° | 967.50  | 963.91  | 960.57  | 955.92  | 951.51  | 946.09  | 938.09  | 930.58  | 921.04  | 913.42  | 906.51  | 898.71  |
| 20° | 911.25  | 908.69  | 905.67  | 901.55  | 897.36  | 892.35  | 883.67  | 875.85  | 866.76  | 860.10  | 853.11  | 845.92  |
| 21° | 845.12  | 842.47  | 839.59  | 835.28  | 830.97  | 827.76  | 819.39  | 812.05  | 803.36  | 797.87  | 790.88  | 784.56  |
| 22° | 785.50  | 782.98  | 780.12  | 775.71  | 771.80  | 769.37  | 761.25  | 754.90  | 747.29  | 742.34  | 735.75  | 730.29  |
| 23° | 733.69  | 730.91  | 727.56  | 722.94  | 719.33  | 717.62  | 710.05  | 704.65  | 697.27  | 692.32  | 686.78  | 681.09  |
| 24° | 685.52  | 682.66  | 678.80  | 674.31  | 670.57  | 669.83  | 662.05  | 657.78  | 650.56  | 645.59  | 640.58  | 634.39  |
| 25° | 638.04  | 634.58  | 630.64  | 626.49  | 622.49  | 622.27  | 614.53  | 610.56  | 603.56  | 598.72  | 593.50  | 587.34  |
| 26° | 588.20  | 584.02  | 579.68  | 576.71  | 573.47  | 573.11  | 566.20  | 561.77  | 555.70  | 550.74  | 545.46  | 538.85  |
| 27° | 540.47  | 536.17  | 531.96  | 529.34  | 527.05  | 526.96  | 521.13  | 516.55  | 511.32  | 506.50  | 501.33  | 494.15  |
| 28° | 497.60  | 493.40  | 489.88  | 487.49  | 485.63  | 485.76  | 481.08  | 476.51  | 471.95  | 467.46  | 462.37  | 455.00  |
| 29° | 459.63  | 454.95  | 452.28  | 450.26  | 448.47  | 448.41  | 445.03  | 440.42  | 436.43  | 432.13  | 426.92  | 419.98  |
| 30° | 423.68  | 418.68  | 416.03  | 414.95  | 413.24  | 413.14  | 410.44  | 406.49  | 402.53  | 398.29  | 393.41  | 387.05  |
| 31° | 387.60  | 384.06  | 381.65  | 381.17  | 379.31  | 379.39  | 377.28  | 374.15  | 370.59  | 366.73  | 362.16  | 356.84  |
| 32° | 355.29  | 353.19  | 351.17  | 351.04  | 349.38  | 349.45  | 347.95  | 345.27  | 342.29  | 338.60  | 334.24  | 329.69  |
| 33° | 327.35  | 325.76  | 324.12  | 324.03  | 322.30  | 322.50  | 321.42  | 319.14  | 316.15  | 312.59  | 307.78  | 303.63  |
| 34° | 299.50  | 298.46  | 296.85  | 296.77  | 294.91  | 295.16  | 294.34  | 292.79  | 289.49  | 286.04  | 281.30  | 277.26  |
| 35° | 270.34  | 269.98  | 268.43  | 268.02  | 266.66  | 266.69  | 266.13  | 265.07  | 261.99  | 258.89  | 254.48  | 250.98  |
| 36° | 242.63  | 242.74  | 241.06  | 240.51  | 240.03  | 239.74  | 239.45  | 238.51  | 236.12  | 233.52  | 229.61  | 227.12  |
| 37° | 218.66  | 218.49  | 216.73  | 216.55  | 216.45  | 216.24  | 215.69  | 214.87  | 212.85  | 210.69  | 206.73  | 204.59  |
| 38° | 196.72  | 196.21  | 194.19  | 194.52  | 194.48  | 194.05  | 193.36  | 192.82  | 190.64  | 188.93  | 185.38  | 182.89  |
| 39° | 175.51  | 174.78  | 172.86  | 173.22  | 173.37  | 172.81  | 172.16  | 171.57  | 169.22  | 167.78  | 164.72  | 162.31  |
| 40° | 154.78  | 154.34  | 152.58  | 152.97  | 153.00  | 152.23  | 151.89  | 151.09  | 149.13  | 147.89  | 145.42  | 143.55  |
| 41° | 140.20  | 139.81  | 138.38  | 138.54  | 138.65  | 137.98  | 137.64  | 136.65  | 135.45  | 134.15  | 131.95  | 130.29  |
| 42° | 126.93  | 126.43  | 124.96  | 124.97  | 125.21  | 124.54  | 124.32  | 123.35  | 122.51  | 121.33  | 119.40  | 117.70  |
| 43° | 115.44  | 114.79  | 113.18  | 113.07  | 113.50  | 113.04  | 112.70  | 111.54  | 110.96  | 109.93  | 108.41  | 106.65  |
| 44° | 105.05  | 104.60  | 103.06  | 102.73  | 103.21  | 102.93  | 102.37  | 101.11  | 100.85  | 100.09  | 98.84   | 97.18   |
| 45° | 95.75   | 95.17   | 94.24   | 93.55   | 93.77   | 93.57   | 92.87   | 92.06   | 91.71   | 91.24   | 90.07   | 88.97   |
| 46° | 86.03   | 85.51   | 84.87   | 83.99   | 83.97   | 83.81   | 83.16   | 82.88   | 82.24   | 81.78   | 80.61   | 80.02   |
| 47° | 77.09   | 76.47   | 75.92   | 75.17   | 74.94   | 74.53   | 74.07   | 73.85   | 73.12   | 72.80   | 71.75   | 71.27   |
| 48° | 68.51   | 68.02   | 67.33   | 66.66   | 66.43   | 65.86   | 65.43   | 65.30   | 64.93   | 64.49   | 63.66   | 63.23   |
| 49° | 60.99   | 60.26   | 60.09   | 59.43   | 58.88   | 58.34   | 58.10   | 57.81   | 57.62   | 57.30   | 56.97   | 56.40   |
| 50° | 54.23   | 53.64   | 53.42   | 52.80   | 52.24   | 51.80   | 51.70   | 51.48   | 51.20   | 51.03   | 50.62   | 50.22   |
| 51° | 48.26   | 47.88   | 47.64   | 47.20   | 46.24   | 46.08   | 46.33   | 45.98   | 45.39   | 45.65   | 44.78   | 44.65   |
| 52° | 42.43   | 42.33   | 41.92   | 41.54   | 40.64   | 40.76   | 40.68   | 40.66   | 40.04   | 40.32   | 39.38   | 39.22   |
| 53° | 37.21   | 37.26   | 37.16   | 36.70   | 35.97   | 36.27   | 35.83   | 35.86   | 35.39   | 35.43   | 35.10   | 34.63   |
| 54° | 33.13   | 33.25   | 33.17   | 32.66   | 32.36   | 32.18   | 31.70   | 31.87   | 31.58   | 31.33   | 31.23   | 30.85   |
| 55° | 29.75   | 29.70   | 29.62   | 29.34   | 28.93   | 28.71   | 28.54   | 28.49   | 28.43   | 28.22   | 27.96   | 27.65   |
| 56° | 26.00   | 26.05   | 25.79   | 25.63   | 25.15   | 25.10   | 24.99   | 24.84   | 24.96   | 24.88   | 24.41   | 24.13   |
| 57° | 22.92   | 23.05   | 22.73   | 22.62   | 22.39   | 22.34   | 22.15   | 22.08   | 22.12   | 22.27   | 21.67   | 21.63   |
| 58° | 20.43   | 20.56   | 20.28   | 20.17   | 20.21   | 19.77   | 19.71   | 19.67   | 19.64   | 19.86   | 19.28   | 19.26   |
| 59° | 18.31   | 18.34   | 18.16   | 18.26   | 18.24   | 17.85   | 17.86   | 17.93   | 17.89   | 17.98   | 17.54   | 17.44   |
| 60° | 16.56   | 16.67   | 16.43   | 16.47   | 16.19   | 16.18   | 16.16   | 16.20   | 16.22   | 16.20   | 15.86   | 15.72   |
| 61° | 14.55   | 14.78   | 14.65   | 14.24   | 14.01   | 14.29   | 14.12   | 14.10   | 14.36   | 14.50   | 14.01   | 13.79   |
| 62° | 12.44   | 12.70   | 12.63   | 12.07   | 11.91   | 12.19   | 12.10   | 12.04   | 12.36   | 12.60   | 12.12   | 11.86   |
| 63° | 10.88   | 11.17   | 11.18   | 10.70   | 10.51   | 10.76   | 10.75   | 10.82   | 11.05   | 11.05   | 10.84   | 10.72   |

# PHOTOMETRIC MEASUREMENT REPORT N° 002

|       |         |         |         |         |         |         |         |         |         |         |         |         |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 64°   | 10.17   | 10.39   | 10.29   | 10.19   | 9.81    | 10.09   | 10.03   | 10.20   | 10.23   | 10.13   | 10.32   | 10.17   |
| 65°   | 9.27    | 9.40    | 9.40    | 9.29    | 9.15    | 9.19    | 9.14    | 9.31    | 9.36    | 9.49    | 9.48    | 9.24    |
| 66°   | 7.88    | 7.84    | 7.91    | 7.95    | 8.03    | 8.20    | 7.96    | 8.28    | 8.44    | 8.52    | 8.39    | 8.08    |
| 67°   | 6.73    | 6.56    | 6.77    | 6.65    | 6.78    | 7.27    | 6.87    | 7.37    | 7.47    | 7.36    | 7.24    | 6.93    |
| 68°   | 6.20    | 6.01    | 6.16    | 6.15    | 6.03    | 6.74    | 6.20    | 6.87    | 6.68    | 6.47    | 6.65    | 6.24    |
| 69°   | 6.04    | 5.89    | 6.04    | 5.96    | 5.93    | 6.47    | 6.00    | 6.73    | 6.16    | 6.20    | 6.32    | 5.91    |
| 70°   | 5.92    | 5.84    | 5.89    | 5.95    | 6.00    | 6.54    | 5.99    | 6.76    | 6.18    | 6.33    | 6.35    | 5.98    |
| 71°   | 5.60    | 5.64    | 5.65    | 5.62    | 5.78    | 6.21    | 5.86    | 6.37    | 6.18    | 6.14    | 6.24    | 5.84    |
| 72°   | 5.17    | 5.24    | 5.27    | 5.29    | 5.49    | 5.78    | 5.53    | 5.84    | 5.97    | 5.75    | 6.01    | 5.50    |
| 73°   | 4.80    | 4.82    | 4.90    | 4.83    | 4.93    | 5.27    | 5.10    | 5.30    | 5.77    | 5.33    | 5.66    | 5.00    |
| 74°   | 4.38    | 4.41    | 4.42    | 4.41    | 4.43    | 4.68    | 4.59    | 4.93    | 5.58    | 4.92    | 5.22    | 4.62    |
| 75°   | 3.94    | 4.03    | 4.02    | 3.97    | 3.99    | 4.08    | 4.17    | 4.44    | 5.19    | 4.45    | 4.62    | 4.17    |
| 76°   | 3.07    | 3.18    | 3.32    | 3.25    | 3.39    | 3.43    | 3.69    | 3.74    | 4.16    | 3.77    | 3.93    | 3.54    |
| 77°   | 2.52    | 2.54    | 2.74    | 2.68    | 2.81    | 2.94    | 3.25    | 3.12    | 3.39    | 3.19    | 3.34    | 2.97    |
| 78°   | 2.18    | 2.16    | 2.28    | 2.29    | 2.41    | 2.56    | 2.80    | 2.72    | 2.83    | 2.71    | 2.86    | 2.60    |
| 79°   | 1.93    | 1.95    | 1.97    | 2.04    | 2.17    | 2.25    | 2.45    | 2.45    | 2.42    | 2.42    | 2.42    | 2.32    |
| 80°   | 1.73    | 1.76    | 1.81    | 1.82    | 2.00    | 2.06    | 2.24    | 2.24    | 2.17    | 2.24    | 2.21    | 2.12    |
| 81°   | 1.53    | 1.48    | 1.56    | 1.56    | 1.73    | 1.77    | 1.92    | 1.96    | 1.93    | 2.00    | 1.90    | 1.88    |
| 82°   | 1.38    | 1.27    | 1.35    | 1.38    | 1.53    | 1.57    | 1.67    | 1.73    | 1.70    | 1.79    | 1.69    | 1.70    |
| 83°   | 1.25    | 1.12    | 1.18    | 1.24    | 1.37    | 1.40    | 1.47    | 1.56    | 1.53    | 1.60    | 1.54    | 1.55    |
| 84°   | 1.13    | 1.02    | 1.04    | 1.13    | 1.23    | 1.28    | 1.32    | 1.42    | 1.39    | 1.42    | 1.41    | 1.39    |
| 85°   | 1.03    | 0.93    | 0.93    | 1.04    | 1.11    | 1.15    | 1.22    | 1.30    | 1.30    | 1.30    | 1.27    | 1.28    |
| 86°   | 1.06    | 0.98    | 0.97    | 1.09    | 1.14    | 1.17    | 1.25    | 1.30    | 1.30    | 1.29    | 1.26    | 1.27    |
| 87°   | 1.12    | 1.02    | 1.05    | 1.12    | 1.16    | 1.21    | 1.27    | 1.30    | 1.32    | 1.29    | 1.26    | 1.26    |
| 88°   | 1.18    | 1.08    | 1.11    | 1.15    | 1.20    | 1.25    | 1.29    | 1.32    | 1.33    | 1.29    | 1.24    | 1.25    |
| 89°   | 1.24    | 1.16    | 1.15    | 1.20    | 1.24    | 1.27    | 1.30    | 1.32    | 1.33    | 1.29    | 1.21    | 1.24    |
| 90°   | 1.29    | 1.24    | 1.24    | 1.26    | 1.29    | 1.29    | 1.29    | 1.29    | 1.29    | 1.23    | 1.23    | 1.23    |
| Gamma | C240°   | C245°   | C250°   | C255°   | C260°   | C265°   | C270°   | C275°   | C280°   | C285°   | C290°   | C295°   |
| 0°    | 1542.92 | 1542.92 | 1542.92 | 1542.92 | 1542.92 | 1542.92 | 1542.92 | 1542.92 | 1542.92 | 1542.92 | 1542.92 | 1542.92 |
| 1°    | 1514.00 | 1512.95 | 1512.21 | 1510.86 | 1509.59 | 1508.14 | 1506.09 | 1505.30 | 1504.27 | 1503.12 | 1501.71 | 1501.26 |
| 2°    | 1502.66 | 1500.60 | 1499.23 | 1496.85 | 1495.42 | 1493.29 | 1490.43 | 1489.08 | 1487.72 | 1486.64 | 1485.65 | 1483.97 |
| 3°    | 1489.08 | 1486.44 | 1484.63 | 1482.09 | 1480.38 | 1477.68 | 1474.91 | 1472.80 | 1471.12 | 1470.16 | 1468.81 | 1466.46 |
| 4°    | 1472.91 | 1470.10 | 1467.47 | 1465.04 | 1463.00 | 1459.71 | 1457.16 | 1454.30 | 1452.94 | 1452.34 | 1450.25 | 1447.40 |
| 5°    | 1454.30 | 1451.24 | 1448.26 | 1446.31 | 1444.77 | 1441.39 | 1439.33 | 1436.23 | 1434.90 | 1434.06 | 1431.48 | 1428.37 |
| 6°    | 1435.09 | 1431.94 | 1428.13 | 1425.55 | 1424.08 | 1421.42 | 1419.88 | 1417.57 | 1415.82 | 1414.11 | 1410.60 | 1405.62 |
| 7°    | 1416.78 | 1412.66 | 1407.74 | 1404.64 | 1402.22 | 1400.08 | 1399.00 | 1397.85 | 1395.80 | 1393.75 | 1389.47 | 1382.78 |
| 8°    | 1395.19 | 1390.09 | 1384.52 | 1381.25 | 1378.74 | 1377.16 | 1375.96 | 1375.72 | 1374.08 | 1371.40 | 1365.96 | 1358.81 |
| 9°    | 1372.86 | 1366.71 | 1360.95 | 1356.84 | 1354.47 | 1353.73 | 1352.84 | 1353.69 | 1352.15 | 1348.67 | 1342.33 | 1334.62 |
| 10°   | 1347.91 | 1342.54 | 1335.86 | 1330.87 | 1328.22 | 1328.10 | 1327.33 | 1328.99 | 1327.68 | 1323.32 | 1316.34 | 1308.48 |
| 11°   | 1304.20 | 1299.42 | 1292.16 | 1286.90 | 1283.54 | 1283.69 | 1282.39 | 1283.91 | 1283.13 | 1279.45 | 1273.20 | 1265.19 |
| 12°   | 1259.86 | 1255.68 | 1248.93 | 1243.98 | 1240.84 | 1240.55 | 1239.16 | 1240.21 | 1239.79 | 1236.09 | 1230.65 | 1222.11 |
| 13°   | 1219.30 | 1214.67 | 1208.67 | 1204.03 | 1201.46 | 1201.24 | 1199.73 | 1200.09 | 1199.85 | 1196.56 | 1191.03 | 1181.74 |
| 14°   | 1179.77 | 1175.35 | 1170.04 | 1165.95 | 1163.25 | 1162.63 | 1160.57 | 1160.45 | 1160.07 | 1156.98 | 1151.69 | 1143.09 |
| 15°   | 1139.02 | 1134.73 | 1129.81 | 1125.75 | 1122.50 | 1121.90 | 1119.24 | 1118.91 | 1118.45 | 1115.49 | 1109.67 | 1103.20 |
| 16°   | 1071.96 | 1068.02 | 1063.38 | 1058.96 | 1054.45 | 1052.82 | 1050.40 | 1050.23 | 1049.31 | 1046.89 | 1041.42 | 1035.48 |
| 17°   | 1007.91 | 1004.07 | 999.35  | 995.24  | 990.09  | 987.38  | 984.97  | 984.73  | 983.75  | 982.15  | 976.52  | 970.45  |
| 18°   | 948.16  | 943.78  | 938.94  | 935.13  | 928.95  | 925.03  | 922.87  | 922.34  | 921.67  | 920.63  | 915.80  | 909.32  |
| 19°   | 891.78  | 887.45  | 882.89  | 879.19  | 872.47  | 868.04  | 866.52  | 866.22  | 865.71  | 865.36  | 860.81  | 854.24  |
| 20°   | 839.47  | 835.17  | 830.93  | 827.34  | 820.91  | 816.29  | 815.49  | 814.91  | 814.32  | 814.36  | 810.59  | 803.78  |
| 21°   | 779.14  | 775.16  | 771.27  | 768.29  | 762.26  | 757.74  | 756.73  | 756.60  | 756.43  | 756.59  | 753.64  | 746.97  |
| 22°   | 725.29  | 721.22  | 717.63  | 714.42  | 708.25  | 704.36  | 702.83  | 702.99  | 703.40  | 703.59  | 701.18  | 694.87  |
| 23°   | 676.14  | 672.29  | 668.83  | 665.46  | 658.99  | 655.52  | 653.60  | 654.38  | 654.81  | 655.12  | 652.74  | 646.25  |
| 24°   | 629.41  | 625.77  | 622.41  | 618.88  | 611.82  | 608.64  | 606.68  | 607.36  | 607.95  | 608.49  | 605.83  | 600.24  |
| 25°   | 582.47  | 579.31  | 575.79  | 572.72  | 565.44  | 562.31  | 560.27  | 561.08  | 561.56  | 562.55  | 559.78  | 555.15  |
| 26°   | 534.51  | 531.85  | 528.77  | 525.57  | 519.30  | 515.52  | 514.14  | 514.36  | 514.97  | 515.45  | 513.30  | 509.95  |
| 27°   | 490.61  | 488.25  | 485.55  | 482.16  | 477.24  | 472.30  | 471.70  | 471.97  | 472.71  | 472.40  | 471.08  | 467.86  |
| 28°   | 451.81  | 449.89  | 447.18  | 443.76  | 439.50  | 433.94  | 433.62  | 434.20  | 434.80  | 433.98  | 433.70  | 430.80  |



# PHOTOMETRIC MEASUREMENT REPORT N° 002

|     |        |        |        |        |        |        |        |        |        |        |        |        |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 29° | 417.15 | 415.61 | 412.59 | 409.11 | 405.29 | 399.96 | 399.30 | 400.09 | 400.42 | 399.56 | 399.93 | 397.56 |
| 30° | 384.40 | 382.81 | 379.99 | 376.59 | 372.99 | 368.26 | 367.45 | 367.95 | 368.45 | 367.36 | 367.91 | 366.03 |
| 31° | 354.44 | 353.14 | 350.81 | 347.17 | 344.90 | 340.31 | 339.98 | 339.74 | 340.44 | 340.08 | 340.29 | 338.05 |
| 32° | 327.28 | 325.80 | 323.72 | 319.70 | 318.38 | 313.80 | 313.39 | 312.74 | 313.52 | 313.62 | 313.86 | 311.75 |
| 33° | 301.08 | 299.24 | 297.49 | 293.07 | 292.15 | 287.81 | 287.52 | 286.43 | 287.25 | 287.46 | 287.85 | 286.40 |
| 34° | 274.53 | 272.66 | 271.38 | 267.23 | 265.93 | 262.03 | 262.16 | 260.78 | 261.31 | 261.74 | 262.19 | 261.36 |
| 35° | 248.53 | 247.14 | 246.06 | 242.44 | 241.37 | 237.74 | 238.48 | 236.93 | 237.34 | 238.10 | 238.34 | 237.37 |
| 36° | 225.09 | 223.94 | 223.00 | 219.80 | 218.62 | 215.30 | 216.02 | 215.27 | 215.66 | 215.81 | 216.40 | 214.84 |
| 37° | 202.59 | 201.54 | 200.65 | 197.62 | 196.37 | 193.27 | 194.04 | 193.83 | 194.05 | 193.85 | 194.49 | 192.83 |
| 38° | 180.84 | 179.88 | 178.94 | 176.04 | 175.03 | 172.10 | 172.76 | 172.89 | 172.85 | 172.68 | 173.11 | 171.63 |
| 39° | 160.26 | 159.56 | 158.52 | 155.89 | 155.17 | 152.97 | 153.03 | 153.51 | 153.40 | 153.17 | 153.63 | 152.31 |
| 40° | 141.99 | 141.29 | 140.38 | 138.11 | 137.46 | 135.78 | 135.62 | 136.38 | 136.32 | 135.88 | 136.66 | 135.30 |
| 41° | 129.18 | 128.41 | 127.40 | 125.50 | 124.75 | 123.53 | 123.40 | 123.66 | 123.40 | 123.36 | 123.98 | 122.41 |
| 42° | 116.81 | 116.14 | 114.84 | 113.31 | 112.76 | 111.89 | 111.75 | 111.76 | 111.18 | 111.56 | 111.59 | 110.25 |
| 43° | 105.64 | 105.24 | 103.87 | 102.58 | 102.17 | 101.91 | 101.40 | 101.50 | 100.80 | 100.92 | 100.92 | 99.82  |
| 44° | 96.30  | 95.66  | 94.68  | 93.71  | 93.43  | 93.42  | 92.72  | 93.00  | 92.32  | 91.93  | 92.03  | 91.06  |
| 45° | 88.11  | 87.30  | 86.61  | 85.87  | 85.79  | 85.97  | 85.40  | 85.35  | 84.79  | 83.94  | 84.08  | 82.97  |
| 46° | 79.19  | 78.07  | 77.90  | 77.45  | 77.74  | 77.73  | 77.17  | 77.04  | 76.76  | 75.63  | 75.49  | 74.55  |
| 47° | 70.53  | 69.38  | 69.39  | 69.15  | 69.53  | 69.41  | 68.90  | 68.88  | 68.70  | 67.63  | 66.99  | 66.38  |
| 48° | 62.61  | 61.37  | 61.66  | 61.84  | 62.02  | 61.75  | 61.33  | 61.57  | 61.22  | 60.46  | 59.69  | 59.01  |
| 49° | 55.64  | 54.93  | 55.16  | 55.49  | 55.53  | 55.05  | 55.19  | 55.35  | 54.78  | 54.04  | 53.50  | 52.86  |
| 50° | 49.57  | 49.11  | 49.34  | 49.54  | 49.86  | 49.42  | 49.61  | 49.62  | 49.14  | 48.45  | 48.01  | 47.21  |
| 51° | 44.18  | 43.85  | 44.22  | 44.23  | 44.38  | 44.20  | 44.51  | 44.47  | 43.71  | 43.44  | 42.52  | 42.02  |
| 52° | 38.99  | 38.55  | 39.16  | 39.29  | 39.21  | 39.27  | 39.55  | 39.51  | 38.71  | 38.75  | 37.59  | 36.91  |
| 53° | 34.55  | 34.23  | 34.73  | 34.96  | 34.83  | 34.81  | 35.24  | 35.12  | 34.39  | 34.55  | 33.52  | 32.71  |
| 54° | 30.89  | 30.70  | 30.86  | 30.97  | 31.10  | 31.10  | 31.38  | 31.39  | 30.69  | 30.72  | 29.91  | 29.26  |
| 55° | 27.49  | 27.46  | 27.75  | 27.76  | 27.91  | 27.86  | 28.04  | 28.28  | 27.49  | 27.43  | 26.58  | 26.17  |
| 56° | 23.91  | 23.98  | 24.52  | 24.44  | 24.68  | 24.37  | 24.59  | 24.71  | 24.15  | 24.03  | 23.27  | 22.91  |
| 57° | 21.16  | 21.20  | 21.74  | 21.85  | 21.98  | 21.61  | 22.02  | 21.83  | 21.47  | 21.46  | 20.74  | 20.47  |
| 58° | 18.91  | 18.74  | 19.16  | 19.33  | 19.46  | 19.23  | 19.68  | 19.27  | 19.06  | 18.89  | 18.58  | 18.25  |
| 59° | 17.03  | 16.96  | 17.21  | 17.45  | 17.44  | 17.36  | 17.76  | 17.42  | 17.23  | 16.99  | 16.69  | 16.56  |
| 60° | 15.50  | 15.52  | 15.65  | 15.66  | 15.78  | 15.60  | 15.87  | 15.75  | 15.49  | 15.45  | 14.99  | 14.81  |
| 61° | 13.59  | 13.80  | 13.67  | 13.80  | 13.92  | 13.60  | 13.94  | 13.88  | 13.63  | 13.64  | 12.99  | 13.03  |
| 62° | 11.78  | 11.98  | 11.89  | 12.07  | 12.09  | 11.77  | 12.11  | 12.01  | 11.96  | 11.86  | 11.45  | 11.57  |
| 63° | 10.60  | 10.90  | 10.86  | 11.07  | 10.90  | 10.70  | 10.98  | 10.88  | 10.81  | 10.77  | 10.51  | 10.88  |
| 64° | 9.87   | 10.23  | 9.90   | 10.32  | 10.20  | 9.88   | 10.07  | 10.08  | 9.91   | 9.93   | 9.82   | 9.95   |
| 65° | 9.03   | 9.10   | 8.97   | 9.28   | 9.20   | 8.87   | 9.03   | 8.93   | 8.83   | 8.88   | 8.66   | 8.64   |
| 66° | 8.64   | 8.01   | 7.92   | 8.03   | 7.73   | 7.47   | 7.57   | 7.47   | 7.41   | 7.41   | 7.26   | 7.38   |
| 67° | 8.14   | 7.30   | 7.02   | 6.95   | 6.57   | 6.47   | 6.52   | 6.47   | 6.35   | 6.45   | 6.32   | 6.52   |
| 68° | 7.97   | 6.74   | 6.17   | 6.31   | 6.02   | 5.95   | 5.98   | 6.02   | 5.87   | 5.96   | 5.96   | 6.04   |
| 69° | 8.53   | 6.14   | 5.96   | 6.01   | 5.84   | 5.84   | 5.89   | 5.84   | 5.79   | 5.77   | 5.85   | 5.84   |
| 70° | 9.40   | 5.99   | 5.86   | 5.86   | 5.65   | 5.69   | 5.69   | 5.61   | 5.57   | 5.55   | 5.61   | 5.68   |
| 71° | 7.78   | 5.84   | 5.58   | 5.54   | 5.32   | 5.41   | 5.34   | 5.35   | 5.28   | 5.34   | 5.34   | 5.43   |
| 72° | 6.52   | 5.46   | 5.21   | 5.19   | 4.87   | 5.01   | 4.83   | 4.90   | 4.91   | 5.04   | 5.00   | 5.04   |
| 73° | 5.52   | 5.00   | 4.87   | 4.73   | 4.46   | 4.55   | 4.45   | 4.42   | 4.49   | 4.57   | 4.61   | 4.52   |
| 74° | 4.60   | 4.69   | 4.40   | 4.19   | 3.93   | 4.00   | 3.99   | 3.93   | 4.05   | 4.01   | 4.10   | 4.19   |
| 75° | 3.88   | 4.22   | 3.86   | 3.58   | 3.51   | 3.53   | 3.57   | 3.59   | 3.67   | 3.58   | 3.68   | 3.85   |
| 76° | 3.30   | 3.40   | 3.12   | 2.98   | 2.93   | 2.95   | 2.93   | 2.97   | 3.09   | 2.98   | 3.01   | 3.18   |
| 77° | 2.81   | 2.78   | 2.64   | 2.55   | 2.54   | 2.59   | 2.55   | 2.54   | 2.62   | 2.56   | 2.57   | 2.66   |
| 78° | 2.41   | 2.44   | 2.32   | 2.28   | 2.24   | 2.29   | 2.24   | 2.25   | 2.29   | 2.23   | 2.23   | 2.32   |
| 79° | 2.22   | 2.18   | 2.10   | 2.09   | 2.08   | 2.06   | 2.02   | 2.07   | 2.05   | 2.03   | 2.03   | 2.05   |
| 80° | 2.06   | 2.00   | 1.93   | 1.93   | 1.95   | 1.90   | 1.85   | 1.91   | 1.91   | 1.85   | 1.85   | 1.85   |
| 81° | 1.86   | 1.79   | 1.78   | 1.77   | 1.77   | 1.73   | 1.71   | 1.72   | 1.73   | 1.64   | 1.65   | 1.68   |
| 82° | 1.65   | 1.62   | 1.65   | 1.63   | 1.59   | 1.58   | 1.57   | 1.57   | 1.57   | 1.45   | 1.48   | 1.52   |
| 83° | 1.48   | 1.48   | 1.53   | 1.52   | 1.45   | 1.44   | 1.45   | 1.45   | 1.43   | 1.32   | 1.35   | 1.38   |
| 84° | 1.36   | 1.35   | 1.39   | 1.39   | 1.33   | 1.33   | 1.32   | 1.33   | 1.35   | 1.24   | 1.25   | 1.27   |
| 85° | 1.27   | 1.22   | 1.28   | 1.28   | 1.28   | 1.22   | 1.22   | 1.23   | 1.25   | 1.17   | 1.15   | 1.17   |

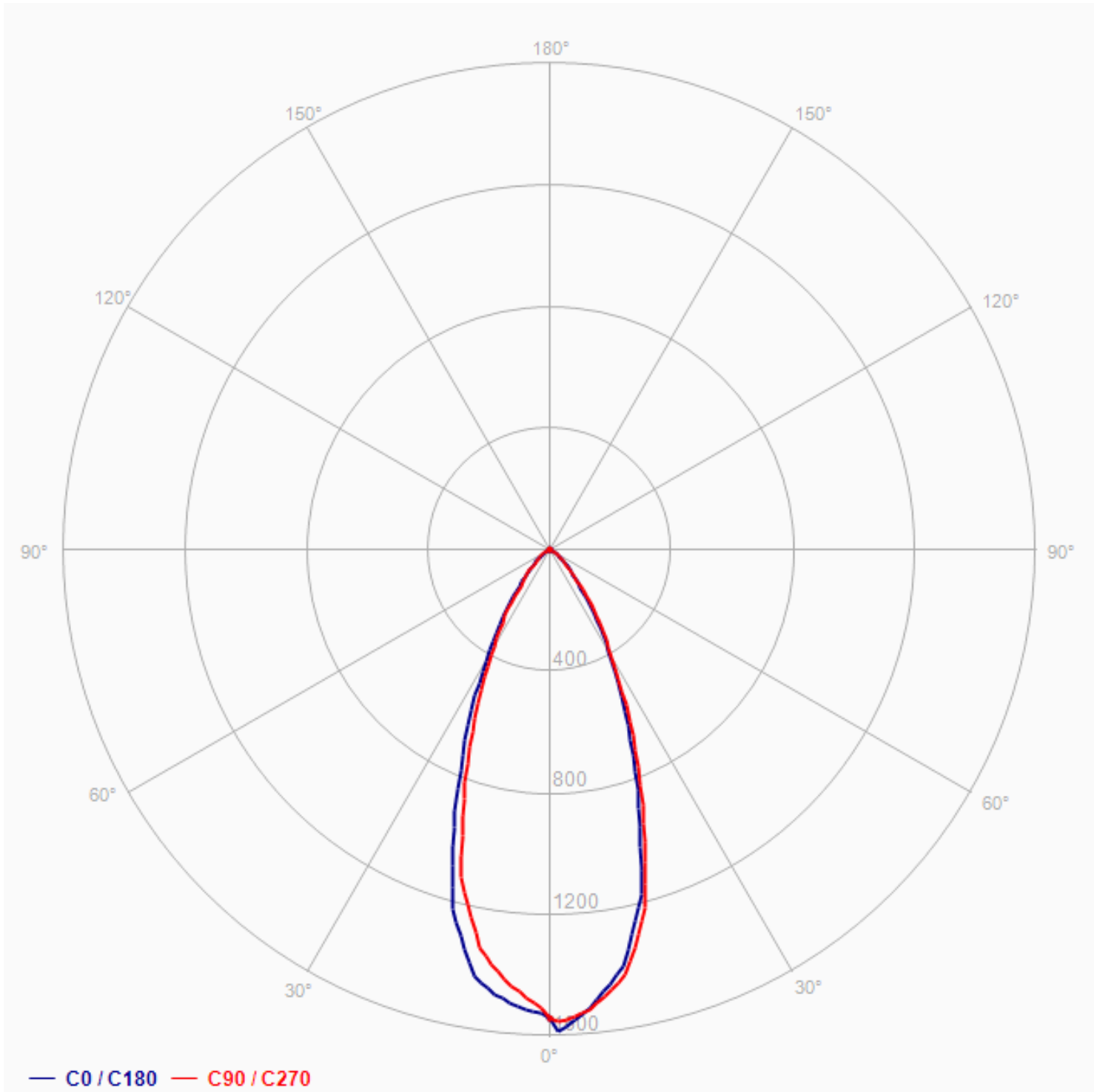
# PHOTOMETRIC MEASUREMENT REPORT N° 002

| 86°   | 1.25    | 1.22    | 1.28    | 1.27    | 1.29    | 1.21    | 1.25    | 1.22    | 1.23    | 1.17    | 1.13    | 1.17    |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 87°   | 1.25    | 1.25    | 1.30    | 1.26    | 1.30    | 1.20    | 1.27    | 1.20    | 1.23    | 1.15    | 1.13    | 1.17    |
| 88°   | 1.25    | 1.25    | 1.28    | 1.25    | 1.26    | 1.19    | 1.27    | 1.19    | 1.24    | 1.15    | 1.15    | 1.16    |
| 89°   | 1.24    | 1.23    | 1.25    | 1.22    | 1.23    | 1.18    | 1.25    | 1.21    | 1.23    | 1.14    | 1.18    | 1.13    |
| 90°   | 1.23    | 1.24    | 1.24    | 1.18    | 1.18    | 1.18    | 1.26    | 1.20    | 1.20    | 1.18    | 1.18    | 1.10    |
| Gamma | C300°   | C305°   | C310°   | C315°   | C320°   | C325°   | C330°   | C335°   | C340°   | C345°   | C350°   | C355°   |
| 0°    | 1542.92 | 1542.92 | 1542.92 | 1542.92 | 1542.92 | 1542.92 | 1542.92 | 1542.92 | 1542.92 | 1542.92 | 1542.92 | 1542.92 |
| 1°    | 1498.60 | 1497.99 | 1495.94 | 1495.70 | 1494.93 | 1496.68 | 1494.83 | 1494.60 | 1493.27 | 1493.84 | 1493.89 | 1493.32 |
| 2°    | 1481.93 | 1481.44 | 1479.56 | 1479.02 | 1478.78 | 1478.95 | 1478.87 | 1478.43 | 1477.39 | 1478.39 | 1478.45 | 1477.91 |
| 3°    | 1464.53 | 1463.88 | 1462.50 | 1462.00 | 1462.01 | 1462.02 | 1462.05 | 1461.45 | 1461.37 | 1462.70 | 1462.71 | 1462.12 |
| 4°    | 1445.26 | 1443.77 | 1442.54 | 1442.56 | 1442.51 | 1442.87 | 1442.78 | 1442.61 | 1443.24 | 1445.02 | 1445.67 | 1445.21 |
| 5°    | 1425.20 | 1422.67 | 1421.07 | 1420.76 | 1420.43 | 1421.54 | 1421.27 | 1420.97 | 1422.09 | 1424.45 | 1425.31 | 1425.36 |
| 6°    | 1403.09 | 1401.16 | 1399.89 | 1399.12 | 1397.56 | 1396.47 | 1399.91 | 1399.41 | 1400.63 | 1402.26 | 1403.43 | 1404.23 |
| 7°    | 1380.82 | 1378.26 | 1376.42 | 1375.75 | 1373.54 | 1374.40 | 1376.92 | 1376.34 | 1377.45 | 1378.21 | 1379.21 | 1381.20 |
| 8°    | 1355.14 | 1352.33 | 1350.61 | 1350.50 | 1348.56 | 1351.22 | 1352.00 | 1351.44 | 1352.15 | 1352.19 | 1352.93 | 1356.09 |
| 9°    | 1328.96 | 1325.65 | 1324.37 | 1324.70 | 1324.25 | 1327.87 | 1326.02 | 1325.23 | 1325.70 | 1325.48 | 1326.20 | 1330.14 |
| 10°   | 1301.46 | 1298.83 | 1298.76 | 1299.38 | 1299.43 | 1300.40 | 1300.31 | 1299.17 | 1299.73 | 1299.28 | 1300.33 | 1304.05 |
| 11°   | 1259.32 | 1256.14 | 1255.99 | 1256.03 | 1255.94 | 1256.38 | 1256.33 | 1255.27 | 1255.08 | 1254.02 | 1255.51 | 1259.56 |
| 12°   | 1217.44 | 1214.02 | 1213.97 | 1213.41 | 1212.64 | 1211.85 | 1213.13 | 1212.15 | 1211.50 | 1209.95 | 1211.32 | 1216.07 |
| 13°   | 1177.35 | 1173.67 | 1173.68 | 1172.30 | 1171.69 | 1170.98 | 1171.87 | 1170.65 | 1170.26 | 1168.43 | 1170.03 | 1175.63 |
| 14°   | 1137.86 | 1134.45 | 1134.53 | 1132.17 | 1131.42 | 1131.42 | 1131.61 | 1130.56 | 1129.86 | 1128.09 | 1130.06 | 1136.14 |
| 15°   | 1096.15 | 1092.97 | 1093.25 | 1090.17 | 1089.10 | 1090.24 | 1090.11 | 1088.66 | 1087.88 | 1085.48 | 1088.05 | 1094.34 |
| 16°   | 1028.71 | 1025.79 | 1024.58 | 1022.95 | 1021.97 | 1021.84 | 1022.72 | 1020.83 | 1019.67 | 1017.43 | 1019.19 | 1024.94 |
| 17°   | 963.54  | 960.49  | 958.49  | 958.08  | 957.39  | 956.71  | 957.54  | 954.92  | 953.34  | 951.67  | 952.58  | 957.96  |
| 18°   | 903.28  | 900.83  | 897.89  | 897.84  | 897.78  | 897.70  | 897.57  | 895.06  | 892.40  | 891.56  | 891.44  | 896.56  |
| 19°   | 848.70  | 847.34  | 843.70  | 843.69  | 844.18  | 843.80  | 843.86  | 841.23  | 838.60  | 838.10  | 837.80  | 842.56  |
| 20°   | 798.88  | 798.73  | 794.32  | 794.73  | 795.58  | 793.89  | 794.27  | 791.89  | 789.79  | 789.00  | 788.78  | 793.51  |
| 21°   | 742.41  | 742.27  | 739.06  | 740.18  | 740.08  | 738.27  | 737.98  | 736.46  | 735.13  | 734.64  | 733.91  | 738.38  |
| 22°   | 690.12  | 689.89  | 687.75  | 689.51  | 688.58  | 685.71  | 685.85  | 684.47  | 683.41  | 683.55  | 682.27  | 686.61  |
| 23°   | 641.83  | 641.07  | 640.11  | 642.64  | 640.71  | 637.50  | 637.76  | 636.57  | 635.72  | 636.67  | 634.86  | 638.66  |
| 24°   | 595.71  | 594.49  | 594.06  | 597.07  | 595.07  | 592.74  | 591.72  | 590.71  | 590.30  | 591.94  | 589.75  | 592.97  |
| 25°   | 550.97  | 549.92  | 549.60  | 552.46  | 550.91  | 549.48  | 547.24  | 546.64  | 546.29  | 548.66  | 546.43  | 548.61  |
| 26°   | 505.48  | 505.58  | 504.71  | 507.19  | 506.47  | 504.72  | 503.22  | 502.06  | 502.35  | 504.39  | 503.16  | 504.09  |
| 27°   | 464.44  | 464.64  | 463.98  | 466.30  | 465.67  | 463.58  | 462.81  | 461.40  | 462.08  | 463.94  | 463.37  | 463.46  |
| 28°   | 427.78  | 427.79  | 427.72  | 429.57  | 429.45  | 426.94  | 426.50  | 425.09  | 425.71  | 427.86  | 427.39  | 427.19  |
| 29°   | 394.40  | 394.80  | 394.97  | 396.29  | 396.63  | 394.11  | 393.71  | 392.71  | 392.70  | 395.53  | 394.69  | 394.34  |
| 30°   | 362.93  | 363.84  | 363.92  | 364.83  | 365.76  | 363.51  | 363.33  | 362.19  | 362.56  | 364.92  | 363.96  | 363.75  |
| 31°   | 335.78  | 336.67  | 336.58  | 336.79  | 338.32  | 335.85  | 335.89  | 335.11  | 335.60  | 336.66  | 336.31  | 336.25  |
| 32°   | 308.97  | 309.92  | 310.06  | 310.08  | 311.71  | 309.35  | 309.06  | 308.41  | 308.93  | 309.07  | 309.35  | 309.22  |
| 33°   | 283.07  | 284.05  | 284.27  | 284.21  | 285.23  | 283.88  | 282.92  | 282.51  | 282.70  | 282.51  | 282.89  | 282.84  |
| 34°   | 258.31  | 259.27  | 259.33  | 259.32  | 260.07  | 259.74  | 258.36  | 257.85  | 257.94  | 257.31  | 257.89  | 257.92  |
| 35°   | 235.59  | 236.06  | 235.94  | 235.90  | 236.87  | 236.39  | 235.30  | 235.31  | 235.16  | 233.89  | 234.93  | 234.71  |
| 36°   | 213.43  | 213.60  | 213.39  | 214.01  | 214.62  | 214.26  | 213.13  | 212.96  | 213.37  | 211.73  | 212.54  | 212.68  |
| 37°   | 191.33  | 191.30  | 191.16  | 191.86  | 192.19  | 192.28  | 191.21  | 190.39  | 191.27  | 189.69  | 190.07  | 190.41  |
| 38°   | 170.47  | 170.49  | 170.24  | 170.85  | 171.36  | 171.23  | 170.47  | 169.34  | 170.15  | 169.08  | 169.15  | 169.34  |
| 39°   | 152.01  | 151.65  | 151.53  | 151.95  | 152.62  | 152.07  | 151.76  | 150.82  | 151.43  | 150.67  | 150.69  | 150.56  |
| 40°   | 135.14  | 134.65  | 134.58  | 135.07  | 135.33  | 135.03  | 134.73  | 134.05  | 134.79  | 134.00  | 134.00  | 134.30  |
| 41°   | 121.91  | 121.75  | 121.49  | 121.99  | 122.31  | 122.50  | 122.21  | 121.52  | 122.10  | 121.77  | 121.87  | 122.43  |
| 42°   | 109.96  | 109.84  | 109.21  | 109.85  | 110.49  | 110.71  | 110.29  | 109.72  | 110.28  | 110.37  | 110.64  | 111.27  |
| 43°   | 99.71   | 99.62   | 98.80   | 99.73   | 100.60  | 100.53  | 99.94   | 99.64   | 100.29  | 100.71  | 100.85  | 101.63  |
| 44°   | 91.10   | 90.89   | 90.23   | 91.23   | 92.02   | 91.80   | 91.17   | 90.87   | 91.73   | 92.31   | 92.50   | 93.50   |
| 45°   | 83.06   | 82.77   | 82.52   | 83.35   | 83.79   | 83.79   | 83.26   | 83.04   | 83.61   | 84.51   | 85.03   | 86.00   |
| 46°   | 74.47   | 73.89   | 74.02   | 74.38   | 74.72   | 75.02   | 74.60   | 74.38   | 75.05   | 75.93   | 76.76   | 77.46   |
| 47°   | 65.82   | 65.75   | 65.65   | 66.12   | 66.30   | 66.38   | 66.10   | 66.14   | 66.78   | 67.66   | 68.38   | 69.02   |
| 48°   | 58.42   | 58.87   | 58.54   | 58.92   | 59.19   | 58.69   | 58.67   | 58.72   | 59.51   | 60.43   | 60.81   | 61.59   |
| 49°   | 52.30   | 52.91   | 52.50   | 53.09   | 52.98   | 52.42   | 52.56   | 52.69   | 53.63   | 54.61   | 54.68   | 55.31   |
| 50°   | 46.87   | 47.31   | 47.03   | 47.38   | 47.29   | 46.94   | 47.15   | 47.49   | 48.41   | 49.38   | 49.53   | 49.80   |

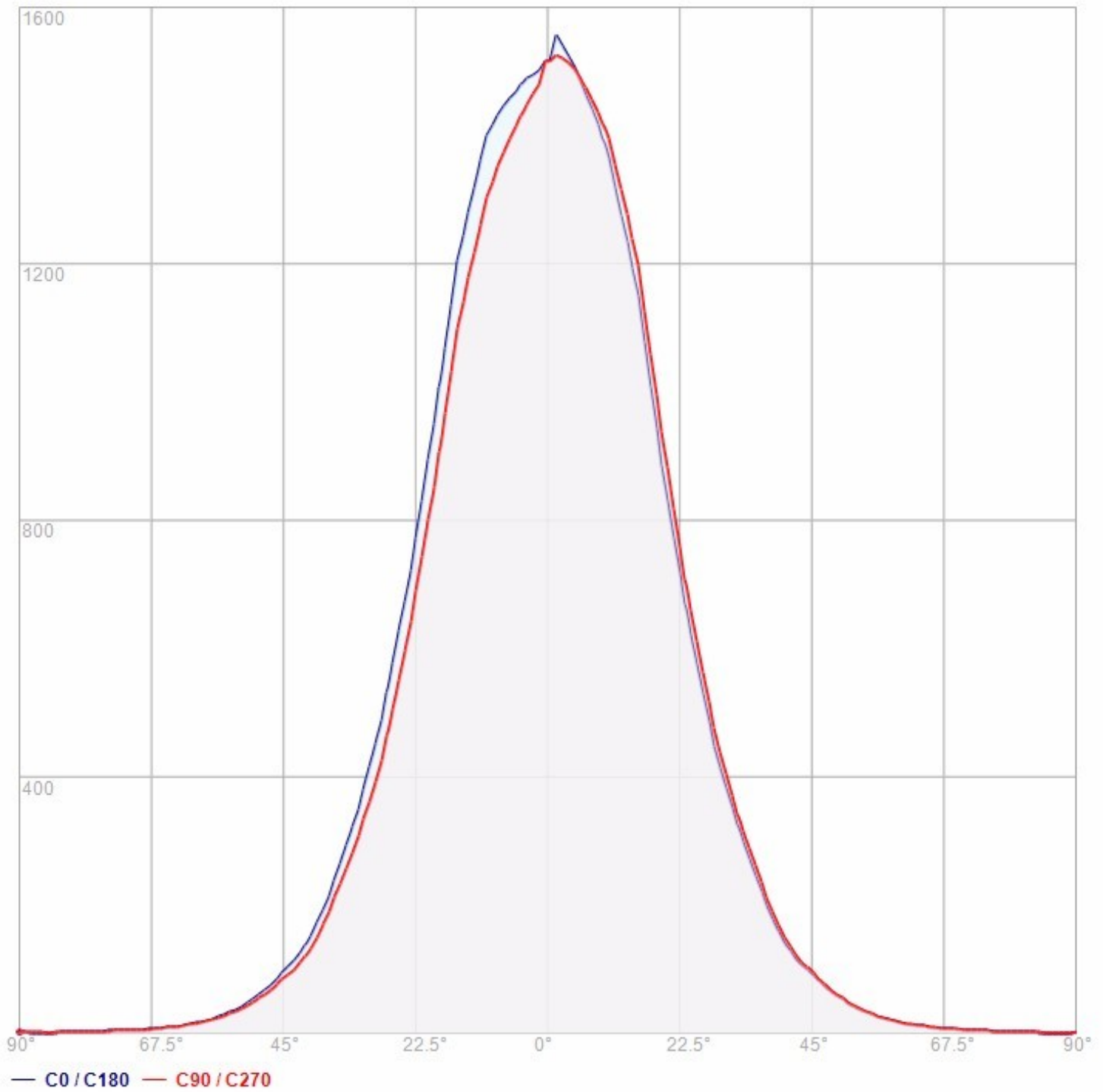
# PHOTOMETRIC MEASUREMENT REPORT N° 002

|     |       |       |       |       |       |       |       |       |       |       |       |       |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 51° | 41.90 | 42.19 | 41.77 | 42.32 | 42.04 | 42.14 | 42.12 | 42.74 | 43.40 | 44.29 | 44.47 | 44.69 |
| 52° | 37.20 | 37.33 | 36.92 | 37.42 | 37.25 | 37.40 | 37.24 | 37.96 | 38.50 | 39.36 | 39.41 | 39.89 |
| 53° | 33.21 | 33.15 | 32.72 | 33.33 | 33.21 | 33.08 | 33.05 | 33.59 | 34.21 | 35.00 | 34.86 | 35.32 |
| 54° | 29.55 | 29.57 | 29.23 | 29.81 | 29.71 | 29.56 | 29.46 | 29.73 | 30.44 | 31.12 | 31.34 | 31.54 |
| 55° | 26.21 | 26.25 | 25.94 | 26.47 | 26.25 | 26.16 | 26.15 | 26.46 | 27.33 | 27.66 | 28.22 | 28.21 |
| 56° | 22.83 | 23.00 | 22.72 | 23.22 | 22.99 | 23.49 | 22.90 | 23.29 | 23.97 | 24.21 | 24.59 | 24.72 |
| 57° | 20.15 | 20.18 | 20.01 | 20.50 | 20.31 | 21.08 | 20.43 | 20.94 | 21.32 | 21.59 | 21.72 | 21.86 |
| 58° | 17.90 | 17.94 | 17.83 | 18.22 | 18.05 | 19.18 | 18.21 | 18.74 | 18.92 | 19.30 | 19.43 | 19.72 |
| 59° | 16.28 | 16.17 | 16.19 | 16.46 | 16.37 | 17.04 | 16.33 | 16.80 | 17.11 | 17.50 | 17.61 | 17.83 |
| 60° | 14.89 | 14.82 | 14.74 | 14.99 | 14.97 | 14.98 | 14.79 | 15.04 | 15.36 | 15.66 | 15.86 | 15.98 |
| 61° | 12.94 | 12.92 | 12.82 | 12.97 | 13.08 | 13.06 | 12.95 | 13.06 | 13.33 | 13.61 | 13.74 | 13.65 |
| 62° | 11.36 | 11.49 | 11.36 | 11.45 | 11.50 | 12.00 | 11.18 | 11.39 | 11.56 | 11.74 | 11.83 | 11.74 |
| 63° | 10.55 | 10.67 | 10.58 | 10.74 | 10.62 | 11.09 | 10.11 | 10.26 | 10.55 | 10.68 | 10.48 | 10.44 |
| 64° | 9.80  | 9.99  | 9.91  | 9.97  | 9.87  | 9.87  | 9.38  | 9.53  | 9.97  | 9.96  | 9.82  | 9.75  |
| 65° | 8.67  | 8.81  | 8.76  | 8.79  | 8.76  | 8.87  | 8.67  | 8.67  | 9.06  | 9.15  | 9.02  | 8.98  |
| 66° | 7.69  | 7.41  | 7.38  | 7.48  | 7.47  | 8.00  | 8.43  | 8.15  | 8.14  | 8.16  | 8.01  | 7.96  |
| 67° | 7.02  | 6.47  | 6.38  | 6.53  | 6.47  | 7.03  | 7.98  | 7.34  | 7.22  | 7.16  | 6.91  | 6.77  |
| 68° | 6.81  | 6.05  | 5.99  | 6.06  | 6.08  | 6.26  | 7.99  | 6.65  | 6.55  | 6.37  | 6.19  | 6.00  |
| 69° | 6.93  | 5.88  | 5.84  | 5.94  | 6.00  | 5.79  | 8.26  | 6.29  | 6.20  | 6.02  | 5.86  | 5.76  |
| 70° | 6.96  | 5.68  | 5.74  | 5.77  | 5.93  | 5.64  | 8.39  | 6.37  | 5.98  | 5.82  | 5.73  | 5.68  |
| 71° | 6.37  | 5.46  | 5.52  | 5.57  | 5.63  | 5.38  | 6.71  | 5.82  | 5.42  | 5.44  | 5.27  | 5.29  |
| 72° | 5.59  | 5.16  | 5.15  | 5.31  | 5.24  | 5.10  | 5.85  | 5.34  | 4.99  | 5.03  | 4.94  | 5.00  |
| 73° | 4.86  | 4.77  | 4.64  | 5.01  | 4.73  | 4.80  | 5.08  | 4.91  | 4.62  | 4.62  | 4.56  | 4.60  |
| 74° | 4.19  | 4.31  | 4.27  | 4.48  | 4.23  | 4.42  | 4.29  | 4.46  | 4.08  | 4.04  | 4.09  | 4.00  |
| 75° | 3.77  | 3.89  | 3.90  | 3.90  | 3.80  | 3.84  | 3.66  | 3.86  | 3.52  | 3.57  | 3.51  | 3.47  |
| 76° | 3.11  | 3.16  | 3.19  | 3.11  | 3.13  | 3.06  | 3.11  | 3.15  | 2.91  | 3.01  | 2.83  | 2.96  |
| 77° | 2.61  | 2.60  | 2.63  | 2.65  | 2.63  | 2.51  | 2.64  | 2.60  | 2.49  | 2.55  | 2.35  | 2.53  |
| 78° | 2.24  | 2.24  | 2.27  | 2.33  | 2.25  | 2.18  | 2.23  | 2.22  | 2.20  | 2.13  | 2.06  | 2.14  |
| 79° | 2.00  | 2.02  | 2.05  | 2.09  | 2.04  | 2.02  | 1.99  | 1.95  | 1.99  | 1.87  | 1.89  | 1.93  |
| 80° | 1.84  | 1.84  | 1.90  | 1.90  | 1.84  | 1.91  | 1.81  | 1.81  | 1.81  | 1.75  | 1.75  | 1.81  |
| 81° | 1.65  | 1.63  | 1.68  | 1.66  | 1.63  | 1.67  | 1.59  | 1.62  | 1.57  | 1.58  | 1.53  | 1.61  |
| 82° | 1.47  | 1.46  | 1.48  | 1.48  | 1.45  | 1.48  | 1.40  | 1.44  | 1.38  | 1.41  | 1.36  | 1.43  |
| 83° | 1.32  | 1.34  | 1.32  | 1.33  | 1.34  | 1.38  | 1.26  | 1.29  | 1.25  | 1.26  | 1.23  | 1.31  |
| 84° | 1.19  | 1.24  | 1.20  | 1.21  | 1.22  | 1.27  | 1.13  | 1.15  | 1.14  | 1.14  | 1.13  | 1.20  |
| 85° | 1.11  | 1.12  | 1.11  | 1.11  | 1.12  | 1.14  | 1.04  | 1.04  | 1.04  | 1.04  | 1.03  | 1.10  |
| 86° | 1.11  | 1.11  | 1.12  | 1.12  | 1.12  | 1.11  | 1.06  | 1.06  | 1.04  | 1.06  | 1.05  | 1.11  |
| 87° | 1.11  | 1.10  | 1.12  | 1.12  | 1.13  | 1.14  | 1.08  | 1.08  | 1.05  | 1.07  | 1.07  | 1.13  |
| 88° | 1.09  | 1.11  | 1.12  | 1.13  | 1.15  | 1.16  | 1.09  | 1.10  | 1.07  | 1.10  | 1.10  | 1.15  |
| 89° | 1.11  | 1.09  | 1.12  | 1.12  | 1.14  | 1.14  | 1.10  | 1.10  | 1.09  | 1.12  | 1.11  | 1.16  |
| 90° | 1.12  | 1.12  | 1.12  | 1.12  | 1.12  | 1.12  | 1.12  | 1.12  | 1.12  | 1.12  | 1.12  | 1.18  |

Photometric Polar Diagram



Photometric Cartesian Diagram



Light Emmission Photo



Opening angle

