

Light Intensity Distribution Test

Product Information

Product Name: TLPA306TCW-4000K-C0

Manufactory: GW

Operator: hua

Test Date: 2022-02-22

Test Condition

Temperature: 26.1 Cels.

Humidity: 60 %

Start Angle: -180 Deg.

End Angle: 180 Deg.

Step Angle: 1 Deg.

Plane Number.: 1

Test Distance: 3 m

Electric Param

Voltage: 240.5 V

Current: 0.101 A

Power: 22.92 W

PF: 0.941

Photometric Param

Maximum Cand. (I_{vm}): 766.01 cd

Max. Cand. Angle(Deg): C= 0.0 gama= 1.0

Center Cd(I_{vo}): 764.99 cd

Beam Angle(50%) β : 115.6 deg.

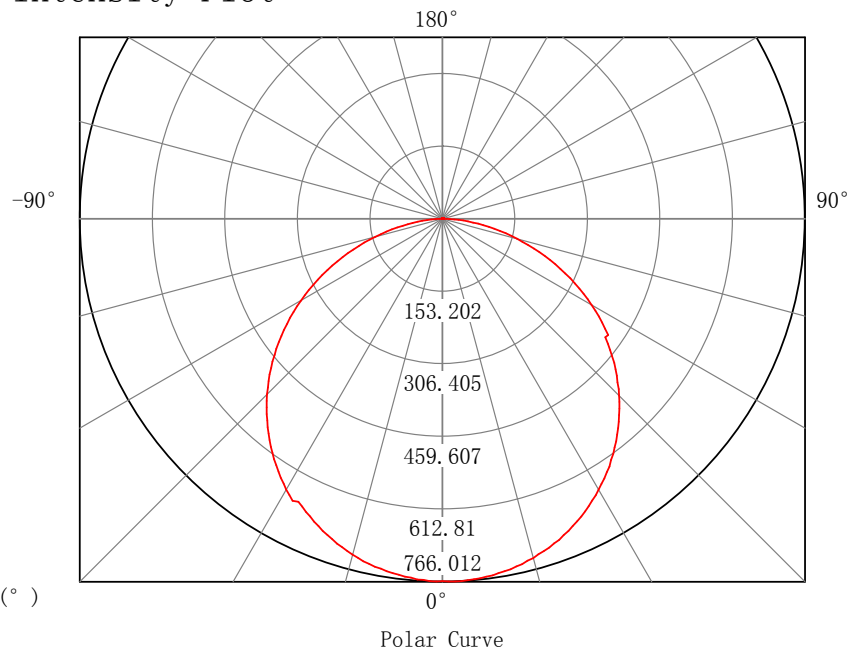
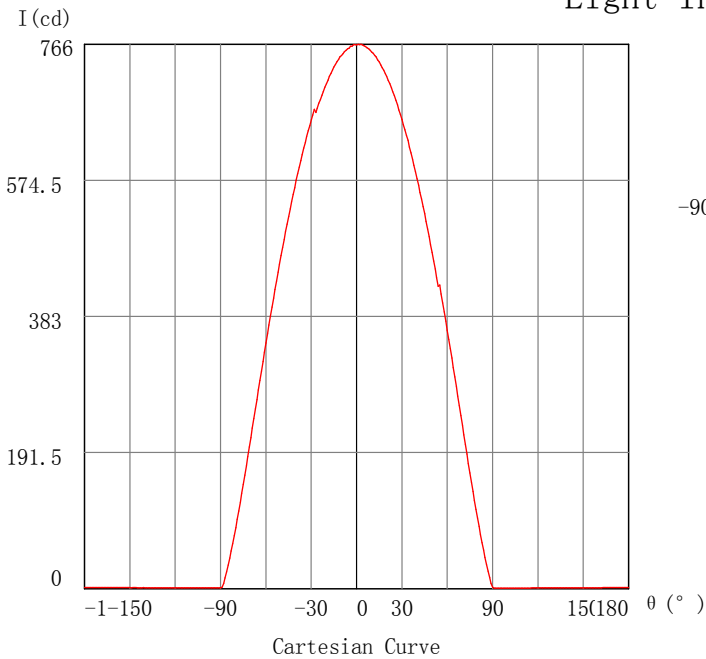
Lumens: 2263.741 lm

Lumen-Effic: 98.767 lm/W

90 Deg. Lumens: 1190.479 lmW

120 Deg. Lumens: 1762.357 lm

Light Intensity Plot



C0-180 —————

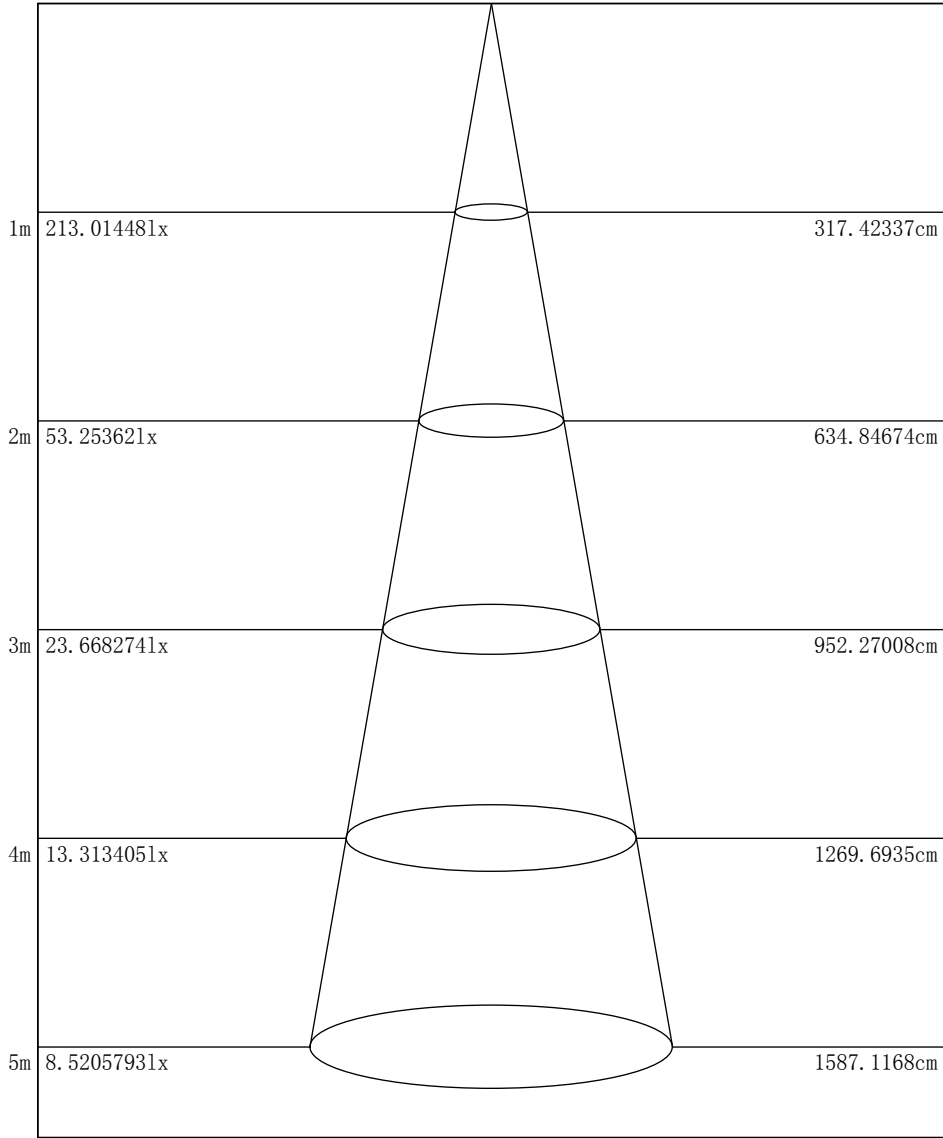
Tabulator: _____

Verifier: _____

Lux-Distance Diagram

Luminous Flux: 2263.741 lm

Beam Luminous Flux: 1685.686 lm



Height Aver. Lux

Beam Ang. =115.6(°)

Beam Dia.

10%Beam Angle= 162.8(°)

50%Beam Angle= 115.6(°)

Lighting Intensity Data Table

| Ang. | Cand. | Ang. | Cand. | Ang. | Cand. | Ang. | Cand. | Ang. | Cand. | Ang. | Cand. |
|--------|-------|--------|-------|--------|-------|-------|--------|-------|--------|-------|--------|
| -180.0 | 1.49 | -146.0 | 1.46 | -112.0 | 1.19 | -78.0 | 109.29 | -44.0 | 534.46 | -10.0 | 750.10 |
| -179.0 | 1.49 | -145.0 | 1.44 | -111.0 | 1.20 | -77.0 | 121.52 | -43.0 | 544.34 | -9.0 | 753.02 |
| -178.0 | 1.52 | -144.0 | 1.42 | -110.0 | 1.20 | -76.0 | 134.10 | -42.0 | 554.86 | -8.0 | 755.35 |
| -177.0 | 1.55 | -143.0 | 1.42 | -109.0 | 1.18 | -75.0 | 146.61 | -41.0 | 564.09 | -7.0 | 757.27 |
| -176.0 | 1.53 | -142.0 | 1.43 | -108.0 | 1.15 | -74.0 | 159.65 | -40.0 | 574.42 | -6.0 | 759.72 |
| -175.0 | 1.50 | -141.0 | 1.45 | -107.0 | 1.13 | -73.0 | 172.62 | -39.0 | 583.82 | -5.0 | 760.45 |
| -174.0 | 1.50 | -140.0 | 1.43 | -106.0 | 1.12 | -72.0 | 185.83 | -38.0 | 592.81 | -4.0 | 763.22 |
| -173.0 | 1.50 | -139.0 | 1.40 | -105.0 | 1.13 | -71.0 | 199.19 | -37.0 | 602.26 | -3.0 | 763.27 |
| -172.0 | 1.53 | -138.0 | 1.38 | -104.0 | 1.14 | -70.0 | 212.38 | -36.0 | 610.75 | -2.0 | 765.44 |
| -171.0 | 1.56 | -137.0 | 1.38 | -103.0 | 1.13 | -69.0 | 226.13 | -35.0 | 619.89 | -1.0 | 765.58 |
| -170.0 | 1.54 | -136.0 | 1.39 | -102.0 | 1.10 | -68.0 | 239.24 | -34.0 | 627.78 | 0.0 | 764.99 |
| -169.0 | 1.51 | -135.0 | 1.40 | -101.0 | 1.08 | -67.0 | 252.90 | -33.0 | 636.38 | 1.0 | 766.01 |
| -168.0 | 1.50 | -134.0 | 1.38 | -100.0 | 1.07 | -66.0 | 266.23 | -32.0 | 644.31 | 2.0 | 765.64 |
| -167.0 | 1.50 | -133.0 | 1.35 | -99.0 | 1.08 | -65.0 | 279.55 | -31.0 | 651.62 | 3.0 | 765.76 |
| -166.0 | 1.53 | -132.0 | 1.33 | -98.0 | 1.08 | -64.0 | 293.14 | -30.0 | 660.04 | 4.0 | 764.94 |
| -165.0 | 1.55 | -131.0 | 1.32 | -97.0 | 1.09 | -63.0 | 306.05 | -29.0 | 666.54 | 5.0 | 763.80 |
| -164.0 | 1.53 | -130.0 | 1.34 | -96.0 | 1.06 | -62.0 | 319.85 | -28.0 | 674.59 | 6.0 | 762.93 |
| -163.0 | 1.50 | -129.0 | 1.36 | -95.0 | 1.04 | -61.0 | 332.67 | -27.0 | 670.08 | 7.0 | 760.97 |
| -162.0 | 1.49 | -128.0 | 1.34 | -94.0 | 1.02 | -60.0 | 345.54 | -26.0 | 675.63 | 8.0 | 759.82 |
| -161.0 | 1.48 | -127.0 | 1.32 | -93.0 | 1.02 | -59.0 | 358.63 | -25.0 | 682.87 | 9.0 | 757.21 |
| -160.0 | 1.51 | -126.0 | 1.29 | -92.0 | 1.03 | -58.0 | 371.03 | -24.0 | 687.84 | 10.0 | 755.26 |
| -159.0 | 1.53 | -125.0 | 1.29 | -91.0 | 1.04 | -57.0 | 383.94 | -23.0 | 694.52 | 11.0 | 753.50 |
| -158.0 | 1.51 | -124.0 | 1.29 | -90.0 | 1.11 | -56.0 | 396.03 | -22.0 | 699.33 | 12.0 | 750.06 |
| -157.0 | 1.48 | -123.0 | 1.31 | -89.0 | 2.20 | -55.0 | 408.62 | -21.0 | 705.57 | 13.0 | 748.29 |
| -156.0 | 1.47 | -122.0 | 1.31 | -88.0 | 7.39 | -54.0 | 420.84 | -20.0 | 710.65 | 14.0 | 743.86 |
| -155.0 | 1.47 | -121.0 | 1.28 | -87.0 | 15.20 | -53.0 | 432.83 | -19.0 | 715.44 | 15.0 | 741.27 |
| -154.0 | 1.49 | -120.0 | 1.25 | -86.0 | 23.90 | -52.0 | 445.47 | -18.0 | 721.00 | 16.0 | 736.71 |
| -153.0 | 1.50 | -119.0 | 1.24 | -85.0 | 33.15 | -51.0 | 456.59 | -17.0 | 724.98 | 17.0 | 733.21 |
| -152.0 | 1.48 | -118.0 | 1.25 | -84.0 | 42.89 | -50.0 | 468.76 | -16.0 | 730.04 | 18.0 | 729.46 |
| -151.0 | 1.45 | -117.0 | 1.26 | -83.0 | 53.05 | -49.0 | 479.87 | -15.0 | 733.81 | 19.0 | 724.48 |
| -150.0 | 1.44 | -116.0 | 1.26 | -82.0 | 63.54 | -48.0 | 491.19 | -14.0 | 737.66 | 20.0 | 720.91 |
| -149.0 | 1.44 | -115.0 | 1.23 | -81.0 | 74.54 | -47.0 | 502.33 | -13.0 | 741.72 | 21.0 | 715.08 |
| -148.0 | 1.47 | -114.0 | 1.20 | -80.0 | 85.75 | -46.0 | 513.02 | -12.0 | 744.59 | 22.0 | 710.33 |
| -147.0 | 1.47 | -113.0 | 1.19 | -79.0 | 97.42 | -45.0 | 523.89 | -11.0 | 748.22 | 23.0 | 704.52 |

Tabulator: _____

Verifier: _____

Lighting Intensity Data Table---Continue

| Ang. | Cand. | Ang. | Cand. | Ang. | Cand. | Ang. | Cand. | Ang. | Cand. | Ang. | Cand. |
|------|--------|------|--------|-------|--------|-------|-------|-------|-------|-------|-------|
| 24.0 | 699.09 | 51.0 | 460.96 | 78.0 | 124.04 | 105.0 | 0.90 | 132.0 | 1.14 | 159.0 | 1.40 |
| 25.0 | 693.61 | 52.0 | 449.60 | 79.0 | 111.68 | 106.0 | 0.90 | 133.0 | 1.14 | 160.0 | 1.40 |
| 26.0 | 686.93 | 53.0 | 437.51 | 80.0 | 99.47 | 107.0 | 0.92 | 134.0 | 1.15 | 161.0 | 1.41 |
| 27.0 | 680.75 | 54.0 | 425.36 | 81.0 | 87.63 | 108.0 | 0.94 | 135.0 | 1.16 | 162.0 | 1.44 |
| 28.0 | 673.75 | 55.0 | 427.43 | 82.0 | 76.13 | 109.0 | 0.97 | 136.0 | 1.20 | 163.0 | 1.46 |
| 29.0 | 667.47 | 56.0 | 414.45 | 83.0 | 64.88 | 110.0 | 0.98 | 137.0 | 1.23 | 164.0 | 1.47 |
| 30.0 | 660.16 | 57.0 | 402.06 | 84.0 | 54.18 | 111.0 | 0.97 | 138.0 | 1.22 | 165.0 | 1.46 |
| 31.0 | 652.66 | 58.0 | 389.49 | 85.0 | 43.84 | 112.0 | 0.95 | 139.0 | 1.22 | 166.0 | 1.44 |
| 32.0 | 645.75 | 59.0 | 376.52 | 86.0 | 34.00 | 113.0 | 0.97 | 140.0 | 1.22 | 167.0 | 1.44 |
| 33.0 | 637.45 | 60.0 | 363.95 | 87.0 | 24.59 | 114.0 | 0.97 | 141.0 | 1.23 | 168.0 | 1.45 |
| 34.0 | 630.63 | 61.0 | 350.73 | 88.0 | 15.78 | 115.0 | 1.00 | 142.0 | 1.25 | 169.0 | 1.49 |
| 35.0 | 621.22 | 62.0 | 337.71 | 89.0 | 7.68 | 116.0 | 1.02 | 143.0 | 1.28 | 170.0 | 1.51 |
| 36.0 | 613.19 | 63.0 | 324.61 | 90.0 | 2.12 | 117.0 | 1.03 | 144.0 | 1.31 | 171.0 | 1.49 |
| 37.0 | 604.13 | 64.0 | 311.07 | 91.0 | 0.91 | 118.0 | 1.02 | 145.0 | 1.29 | 172.0 | 1.47 |
| 38.0 | 595.72 | 65.0 | 298.13 | 92.0 | 0.83 | 119.0 | 1.01 | 146.0 | 1.28 | 173.0 | 1.47 |
| 39.0 | 586.54 | 66.0 | 284.24 | 93.0 | 0.84 | 120.0 | 1.02 | 147.0 | 1.29 | 174.0 | 1.48 |
| 40.0 | 576.73 | 67.0 | 271.02 | 94.0 | 0.86 | 121.0 | 1.03 | 148.0 | 1.30 | 175.0 | 1.50 |
| 41.0 | 567.93 | 68.0 | 257.30 | 95.0 | 0.88 | 122.0 | 1.06 | 149.0 | 1.33 | 176.0 | 1.54 |
| 42.0 | 557.51 | 69.0 | 243.58 | 96.0 | 0.87 | 123.0 | 1.09 | 150.0 | 1.36 | 177.0 | 1.53 |
| 43.0 | 548.35 | 70.0 | 230.06 | 97.0 | 0.86 | 124.0 | 1.10 | 151.0 | 1.37 | 178.0 | 1.52 |
| 44.0 | 537.50 | 71.0 | 216.25 | 98.0 | 0.85 | 125.0 | 1.08 | 152.0 | 1.36 | 179.0 | 1.49 |
| 45.0 | 527.72 | 72.0 | 202.86 | 99.0 | 0.86 | 126.0 | 1.07 | 153.0 | 1.34 | 180.0 | 1.50 |
| 46.0 | 517.10 | 73.0 | 189.34 | 100.0 | 0.87 | 127.0 | 1.08 | 154.0 | 1.35 | | |
| 47.0 | 505.86 | 74.0 | 176.03 | 101.0 | 0.89 | 128.0 | 1.09 | 155.0 | 1.37 | | |
| 48.0 | 495.34 | 75.0 | 162.80 | 102.0 | 0.91 | 129.0 | 1.12 | 156.0 | 1.40 | | |
| 49.0 | 483.93 | 76.0 | 149.67 | 103.0 | 0.92 | 130.0 | 1.15 | 157.0 | 1.43 | | |
| 50.0 | 473.27 | 77.0 | 136.89 | 104.0 | 0.91 | 131.0 | 1.15 | 158.0 | 1.42 | | |

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