

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

| | |
|------------------------------------|------------------------|
| Maximum Intensity | 3518.9 cd per klm. |
| (Luminaire orientation as tested.) | 0.0 degrees vertical |
| | 0.0 degrees horizontal |

| | | |
|-------------|----------------|---------------|
| Beam Spread | At 10% of Imax | 48.2V x 48.0H |
| | At 50% of Imax | 24.9V x 24.2H |
| | At 90% of Imax | 9.7V x 9.0H |

| | | |
|-----------|----------------|------------------------|
| Beam Flux | Total | 1000.5 lumens per klm. |
| | To 10% of Imax | 703.8 lumens per klm. |
| | To 50% of Imax | 366.1 lumens per klm. |
| | To 90% of Imax | 66.6 lumens per klm. |

| | |
|--------------|---------|
| Upward LOR | 0.0 % |
| Downward LOR | 100.1 % |

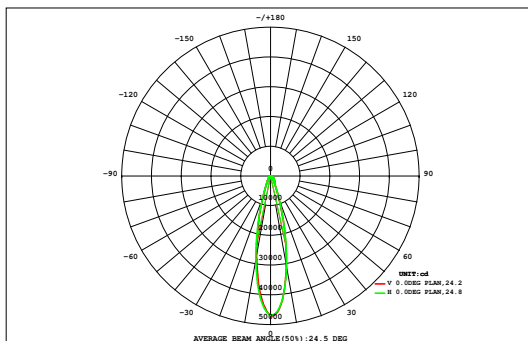
| | |
|---|---------|
| Luminaire Efficiency (Light Output Ratio) | 100.0 % |
|---|---------|

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 05/05/2021

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity: 65.0%
Test Distance: 7.200m [K=1.0000]
Remarks: PTL-100WATT-6500K

LUMINAIRE PHOTOMETRIC TEST REPORT

| | | |
|--|------------------|------------------|
| Test:U:230.50V I:0.4455A P:100.76W PF:0.9811 Freq:50.01Hz Lamp Flux:13353.7x1 lm | | |
| NAME: PTL | TYPE:OUTDOOR | WEIGHT:4kg |
| SPEC.:100 WATT | DIM.: 370X370X80 | SERIAL No.: |
| MFR.: LITPA AYDINLATMA | SUR.: | Shielding Angle: |



| DATA OF LAMP | | Eff:132.53lm/W | |
|-------------------|---------|------------------|----------|
| MODEL | PTL | Imax (cd) | 46991 |
| NOMINAL POWER (W) | 100 | AVAILABILITY (%) | 70.2 |
| RATED VOLTAGE (V) | 230.0 | Avai. FLUX (lm) | 9372 |
| NOMINAL FLUX (lm) | 13353.7 | LOR (%) | 100.0 |
| LAMPS INSIDE | 1 | TOTAL FLUX (lm) | 13354 |
| TEST VOLTAGE (V) | 230 | θ @50% (H,V) | 24,25DEG |

| VERTICAL (DEG) | AREA FLUX DIAGRAM | | | | | | | | | | | | | | | | UNIT:lm | | Φ t | Φ a |
|------------------|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---------|------|-------|------|
| | 0.00 | 0.02 | 0.07 | 0.15 | 0.27 | 0.41 | 0.53 | 0.62 | 0.66 | 0.64 | 0.58 | 0.47 | 0.34 | 0.21 | 0.11 | 0.05 | 0.02 | 0.00 | 5.15 | 0.00 |
| 90 | 0.01 | 0.10 | 0.41 | 1.03 | 1.90 | 2.86 | 3.70 | 4.24 | 4.51 | 4.46 | 4.10 | 3.49 | 2.63 | 1.70 | 0.89 | 0.34 | 0.08 | 0.01 | 36.4 | 0.00 |
| 80 | 0.02 | 0.26 | 1.10 | 2.60 | 4.66 | 6.74 | 8.43 | 9.58 | 10.2 | 10.1 | 9.38 | 8.12 | 6.39 | 4.35 | 2.38 | 0.97 | 0.22 | 0.01 | 85.6 | 0.00 |
| 70 | 0.03 | 0.48 | 1.91 | 4.34 | 7.54 | 10.8 | 13.8 | 16.0 | 17.1 | 17.0 | 15.6 | 13.3 | 10.4 | 7.18 | 4.07 | 1.76 | 0.42 | 0.02 | 142 | 0.00 |
| 60 | 0.05 | 0.72 | 2.70 | 5.97 | 10.4 | 15.5 | 21.2 | 26.4 | 29.3 | 28.7 | 25.1 | 20.0 | 14.7 | 9.87 | 5.67 | 2.53 | 0.65 | 0.04 | 219 | 0.00 |
| 50 | 0.07 | 0.93 | 3.39 | 7.51 | 13.4 | 22.3 | 34.5 | 46.7 | 52.9 | 51.2 | 42.7 | 30.9 | 20.3 | 12.6 | 7.15 | 3.22 | 0.86 | 0.05 | 351 | 0.00 |
| 40 | 0.08 | 1.12 | 3.95 | 8.87 | 16.9 | 31.9 | 55.4 | 92.1 | 127 | 120 | 81.1 | 48.6 | 28.0 | 15.6 | 8.43 | 3.78 | 1.03 | 0.07 | 644 | 126 |
| 30 | 0.09 | 1.25 | 4.38 | 9.86 | 20.3 | 41.2 | 86.5 | 244 | 478 | 438 | 206 | 77.7 | 36.4 | 18.4 | 9.34 | 4.18 | 1.16 | 0.08 | 1676 | 1340 |
| 20 | 0.10 | 1.32 | 4.61 | 10.5 | 22.2 | 46.6 | 122 | 480 | 1082 | 999 | 417 | 112 | 42.4 | 20.1 | 9.90 | 4.40 | 1.22 | 0.08 | 3376 | 3094 |
| 10 | 0.10 | 1.32 | 4.61 | 10.5 | 22.2 | 46.4 | 121 | 479 | 1103 | 1045 | 436 | 116 | 43.3 | 20.3 | 9.96 | 4.41 | 1.22 | 0.08 | 3465 | 3182 |
| 0 | 0.09 | 1.25 | 4.39 | 9.85 | 20.1 | 40.8 | 85.5 | 245 | 509 | 486 | 230 | 85.3 | 37.9 | 18.8 | 9.48 | 4.22 | 1.17 | 0.08 | 1790 | 1463 |
| -10 | 0.08 | 1.12 | 3.96 | 8.84 | 16.8 | 32.0 | 55.0 | 93.4 | 139 | 135 | 91.5 | 53.1 | 29.5 | 16.0 | 8.53 | 3.82 | 1.05 | 0.07 | 688 | 169 |
| -20 | 0.07 | 0.94 | 3.38 | 7.51 | 13.5 | 22.5 | 35.2 | 48.2 | 56.3 | 55.5 | 46.3 | 33.1 | 21.3 | 13.0 | 7.24 | 3.25 | 0.87 | 0.05 | 368 | 0.00 |
| -30 | 0.05 | 0.72 | 2.67 | 6.02 | 10.5 | 15.8 | 21.7 | 27.4 | 30.7 | 30.4 | 26.7 | 21.0 | 15.2 | 10.2 | 5.79 | 2.55 | 0.66 | 0.04 | 228 | 0.00 |
| -40 | 0.03 | 0.49 | 1.90 | 4.40 | 7.65 | 11.1 | 14.1 | 16.5 | 17.8 | 17.7 | 16.3 | 13.8 | 10.8 | 7.37 | 4.20 | 1.77 | 0.43 | 0.03 | 146 | 0.00 |
| -50 | 0.02 | 0.26 | 1.10 | 2.66 | 4.74 | 6.96 | 8.66 | 9.91 | 10.6 | 10.5 | 9.75 | 8.41 | 6.65 | 4.48 | 2.47 | 0.99 | 0.22 | 0.01 | 88.4 | 0.00 |
| -60 | 0.01 | 0.10 | 0.42 | 1.07 | 1.98 | 3.01 | 3.89 | 4.47 | 4.75 | 4.70 | 4.33 | 3.67 | 2.78 | 1.79 | 0.94 | 0.35 | 0.08 | 0.01 | 38.3 | 0.00 |
| -70 | 0.00 | 0.02 | 0.07 | 0.16 | 0.30 | 0.45 | 0.60 | 0.70 | 0.74 | 0.72 | 0.65 | 0.52 | 0.38 | 0.24 | 0.12 | 0.05 | 0.02 | 0.00 | 5.76 | 0.00 |
| -80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| HORIZONTAL (DEG) | | | | | | | | | | | | | | | | | | | | |
| Φ t | 0.90 | 12.4 | 45.0 | 102 | 195 | 357 | 692 | 1844 | 3674 | 3455 | 1663 | 650 | 329 | 182 | 96.7 | 42.7 | 11.4 | 0.74 | 13354 | --- |
| Φ a | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 145 | 1445 | 3311 | 3090 | 1262 | 119 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | --- | 9372 |

one-half-peak spread: U:13.0,D:12.1 , L:11.8,R:12.6

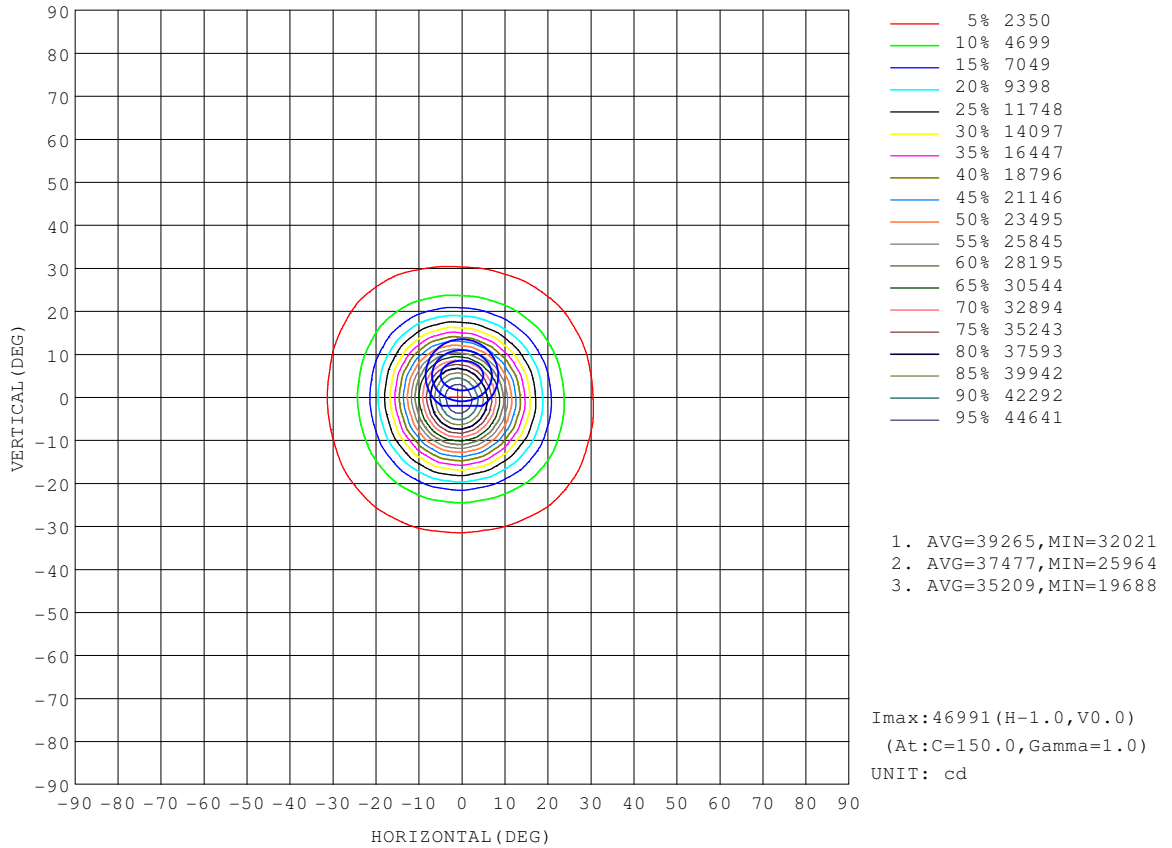
NEMA Beam Type: Type 4

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 05/05/2021

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity: 65.0%
Test Distance: 7.200m [K=1.0000]
Remarks: PTL-100WATT-6500K

ISOCANDELA DIAGRAM

| | | |
|--|------------------|------------------|
| Test:U:230.50V I:0.4455A P:100.76W PF:0.9811 Freq:50.01Hz Lamp Flux:13353.7x1 lm | | |
| NAME: PTL | TYPE:OUTDOOR | WEIGHT:4kg |
| SPEC.:100 WATT | DIM.: 370X370X80 | SERIAL No.: |
| MFR.: LITPA AYDINLATMA | SUR.: | Shielding Angle: |

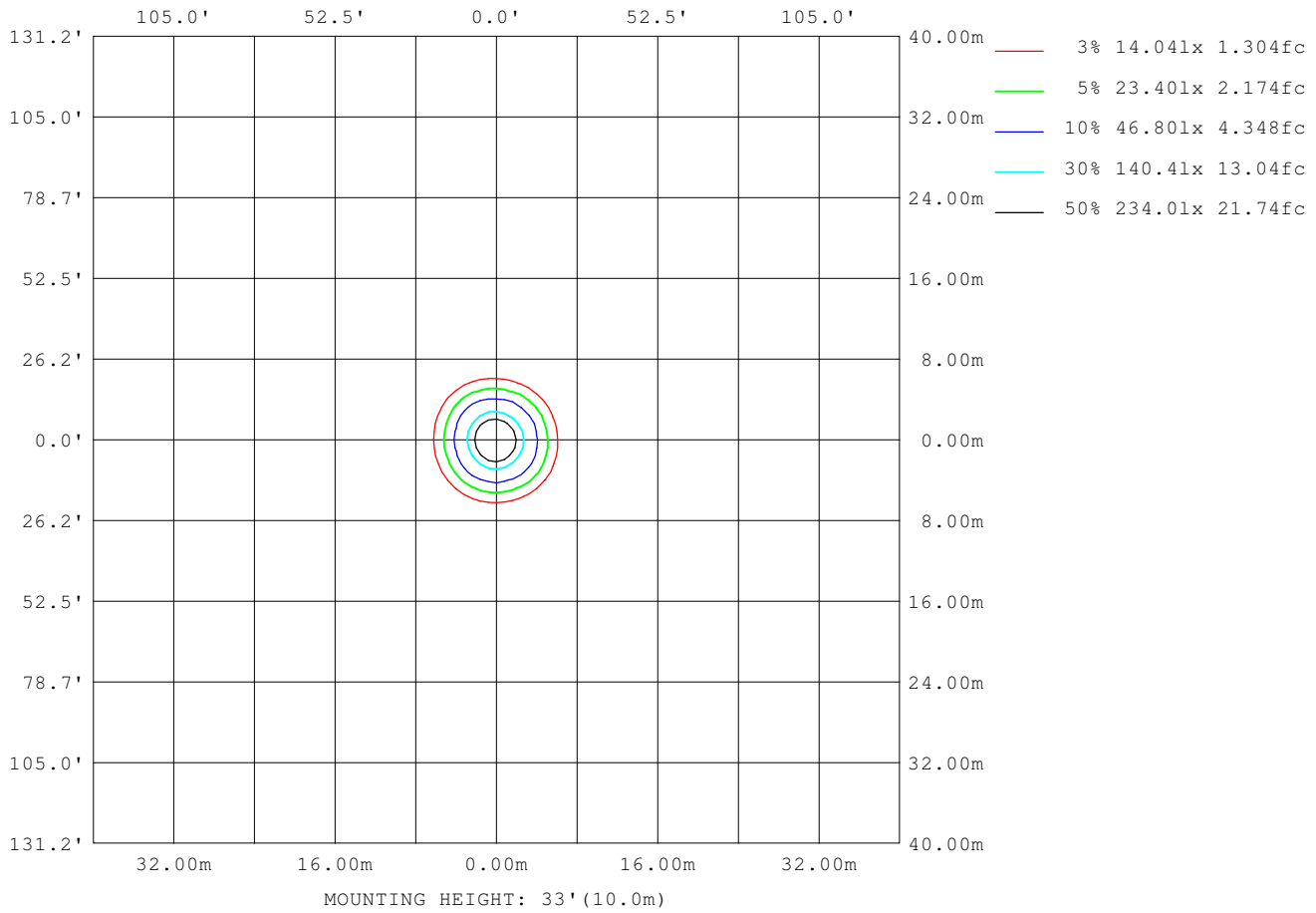


C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 20DEG
 Operators: LITPA
 Test Date: 05/05/2021

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.400
 Humidity: 65.0%
 Test Distance: 7.200m [K=1.0000]
 Remarks: PTL-100WATT-6500K

ISOLUX DIAGRAM

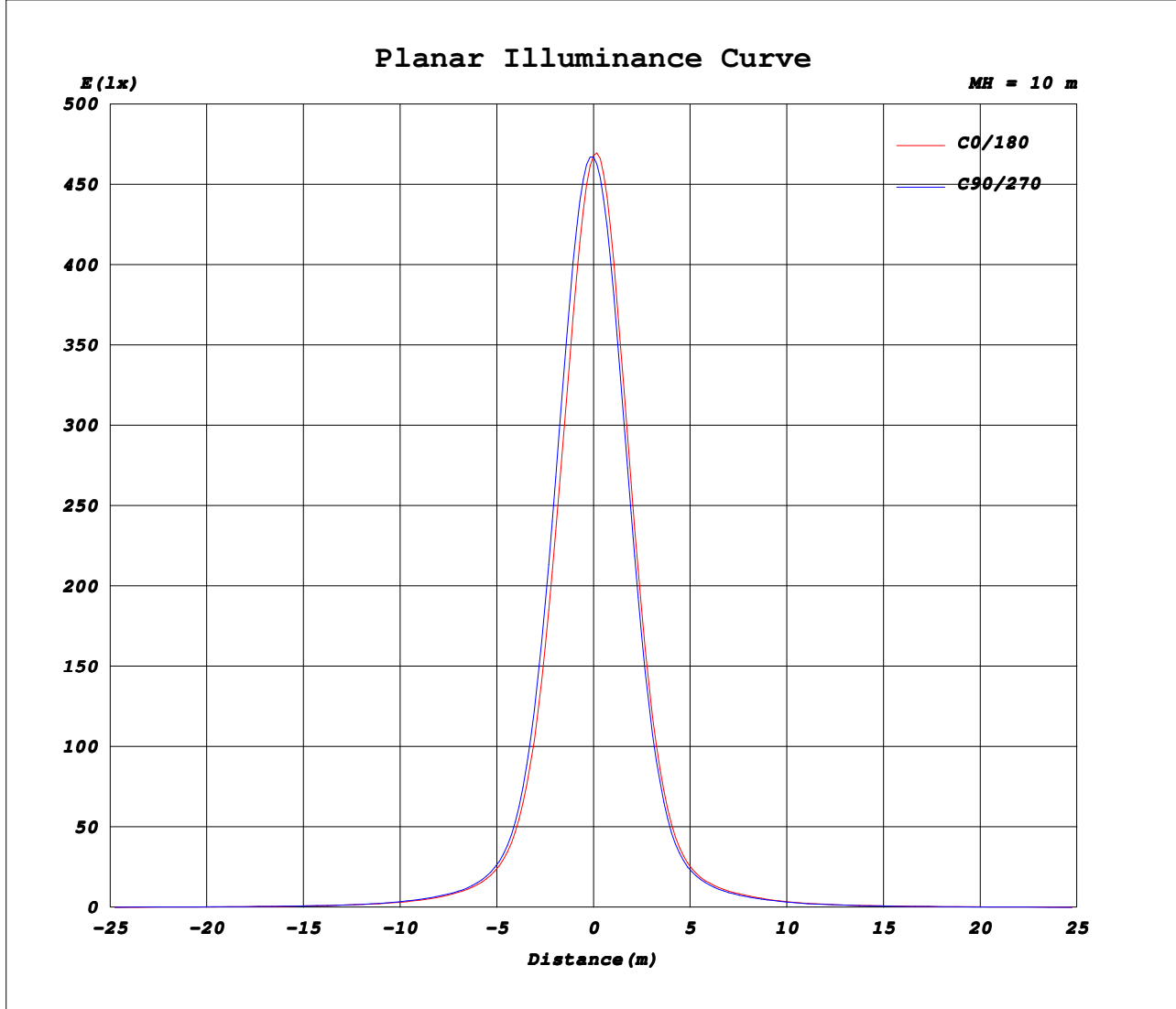
| | | |
|--|------------------|------------------|
| Test:U:230.50V I:0.4455A P:100.76W PF:0.9811 Freq:50.01Hz Lamp Flux:13353.7x1 lm | | |
| NAME: PTL | TYPE:OUTDOOR | WEIGHT:4kg |
| SPEC.:100 WATT | DIM.: 370X370X80 | SERIAL No.: |
| MFR.: LITPA AYDINLATMA | SUR.: | Shielding Angle: |



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 05/05/2021

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity: 65.0%
Test Distance: 7.200m [K=1.0000]
Remarks: PTL-100WATT-6500K

Planar Illuminance Curve

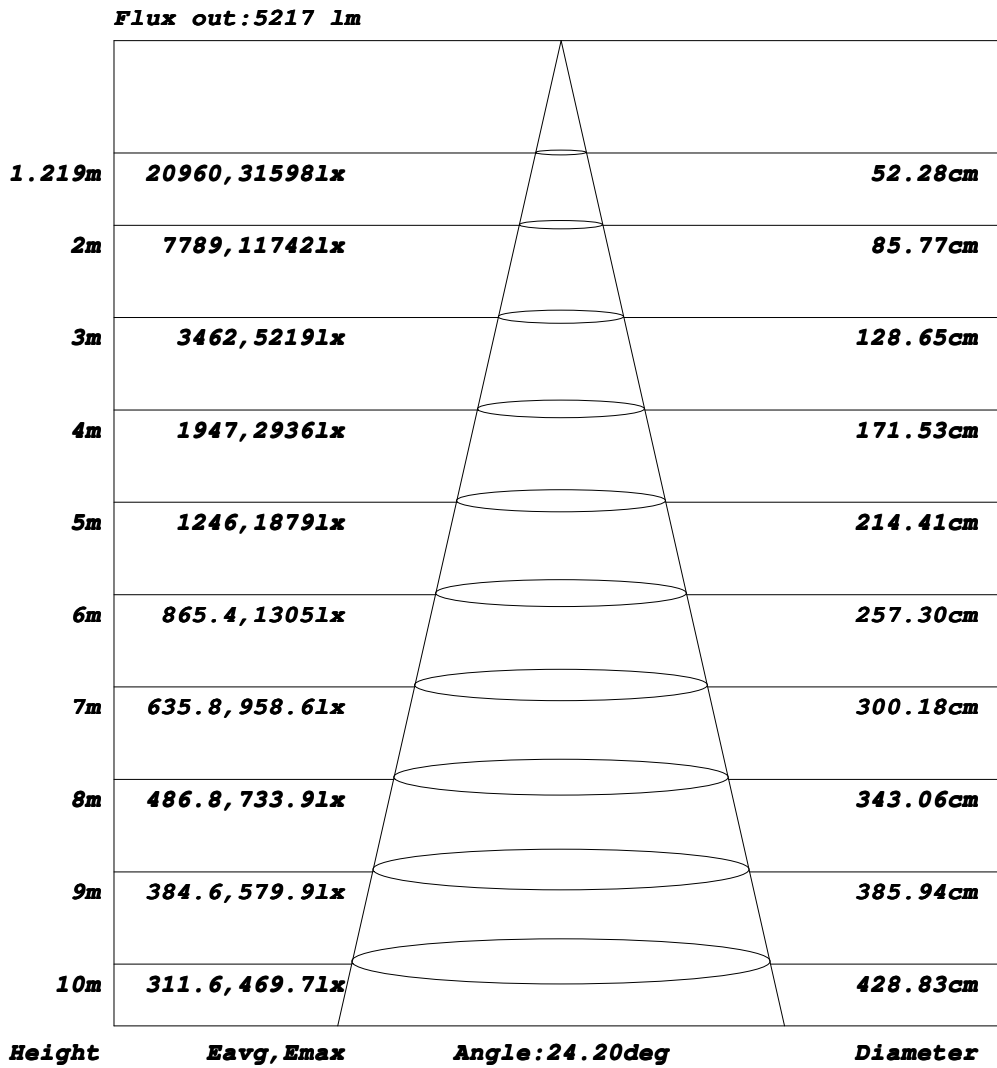


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 05/05/2021

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity: 65.0%
Test Distance: 7.200m [K=1.0000]
Remarks: PTL-100WATT-6500K

AAI Figure

| | | |
|--|------------------|------------------|
| Test:U:230.50V I:0.4455A P:100.76W PF:0.9811 Freq:50.01Hz Lamp Flux:13353.7x1 lm | | |
| NAME: PTL | TYPE:OUTDOOR | WEIGHT:4kg |
| SPEC.:100 WATT | DIM.: 370X370X80 | SERIAL No.: |
| MFR.: LITPA AYDINLATMA | SUR.: | Shielding Angle: |



Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:20DEG
Operators:LITPA
Test Date:05/05/2021

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity:65.0%
Test Distance:7.200m [K=1.0000]
Remarks: PTL-100WATT-6500K

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|--|------------------|------------------|
| Test:U:230.50V I:0.4455A P:100.76W PF:0.9811 Freq:50.01Hz Lamp Flux:13353.7x1 lm | | |
| NAME: PTL | TYPE:OUTDOOR | WEIGHT:4kg |
| SPEC.:100 WATT | DIM.: 370X370X80 | SERIAL No.: |
| MFR.: LITPA AYDINLATMA | SUR.: | Shielding Angle: |

Table--1

UNIT: μA10cd

| H (DEG) V (DEG) | -90 | -85 | -80 | -75 | -70 | -65 | -60 | -55 | -50 | -45 | -40 | -35 | -30 | -25 | -20 | -15 | -10 | -5 | 0 |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| -90 | 0.10 | 0.10 | 0.09 | 0.10 | 0.11 | 0.11 | 0.10 | 0.11 | 0.11 | 0.11 | 0.10 | 0.11 | 0.11 | 0.10 | 0.10 | 0.09 | 0.09 | 0.07 | 0.06 |
| -85 | 0.10 | 0.15 | 0.20 | 0.26 | 0.33 | 0.42 | 0.56 | 0.68 | 0.82 | 1.01 | 1.19 | 1.31 | 1.42 | 1.57 | 1.69 | 1.72 | 1.72 | 1.73 | 1.71 |
| -80 | 0.10 | 0.20 | 0.33 | 0.54 | 0.87 | 1.35 | 1.94 | 2.59 | 3.27 | 4.01 | 4.81 | 5.42 | 5.96 | 6.51 | 7.01 | 7.21 | 7.26 | 7.38 | 7.40 |
| -75 | 0.10 | 0.26 | 0.53 | 1.08 | 1.91 | 3.08 | 4.47 | 5.92 | 7.40 | 8.99 | 10.6 | 11.9 | 13.0 | 13.9 | 14.7 | 15.1 | 15.2 | 15.5 | 15.6 |
| -70 | 0.10 | 0.32 | 0.86 | 1.91 | 3.46 | 5.47 | 7.81 | 10.2 | 12.6 | 15.1 | 17.6 | 19.7 | 21.2 | 22.5 | 23.4 | 24.0 | 24.4 | 24.9 | 25.1 |
| -65 | 0.10 | 0.40 | 1.30 | 2.99 | 5.37 | 8.31 | 11.6 | 15.1 | 18.4 | 21.9 | 25.4 | 28.1 | 29.8 | 31.4 | 32.6 | 33.6 | 34.2 | 34.7 | 34.9 |
| -60 | 0.10 | 0.51 | 1.82 | 4.24 | 7.50 | 11.3 | 15.6 | 20.1 | 24.5 | 29.2 | 32.8 | 36.1 | 38.6 | 40.7 | 42.7 | 44.3 | 45.1 | 45.9 | 46.2 |
| -55 | 0.10 | 0.61 | 2.43 | 5.60 | 9.74 | 14.3 | 19.6 | 25.0 | 30.5 | 35.4 | 40.1 | 44.7 | 47.8 | 50.6 | 53.6 | 56.0 | 57.5 | 58.5 | 59.0 |
| -50 | 0.10 | 0.76 | 3.09 | 7.00 | 12.0 | 17.4 | 23.4 | 29.8 | 35.9 | 42.0 | 47.7 | 53.0 | 58.0 | 62.4 | 66.7 | 70.4 | 72.5 | 74.1 | 74.6 |
| -45 | 0.10 | 0.92 | 3.76 | 8.43 | 14.1 | 20.4 | 27.0 | 34.2 | 41.4 | 48.6 | 55.6 | 63.0 | 70.4 | 77.3 | 84.6 | 92.1 | 97.0 | 100 | 101 |
| -40 | 0.10 | 1.06 | 4.45 | 9.81 | 16.2 | 23.1 | 30.4 | 38.5 | 46.9 | 55.4 | 64.4 | 74.1 | 86.0 | 98.8 | 111 | 123 | 132 | 136 | 137 |
| -35 | 0.10 | 1.21 | 5.09 | 11.1 | 18.2 | 25.7 | 33.8 | 42.6 | 52.0 | 62.6 | 73.7 | 88.7 | 107 | 127 | 145 | 162 | 175 | 181 | 183 |
| -30 | 0.10 | 1.36 | 5.69 | 12.3 | 19.9 | 28.1 | 37.0 | 46.4 | 57.2 | 69.2 | 85.5 | 107 | 132 | 160 | 187 | 215 | 244 | 258 | 265 |
| -25 | 0.10 | 1.49 | 6.21 | 13.3 | 21.5 | 30.1 | 39.7 | 50.0 | 61.9 | 76.2 | 99.0 | 128 | 159 | 196 | 244 | 300 | 371 | 421 | 445 |
| -20 | 0.10 | 1.60 | 6.68 | 14.2 | 22.7 | 31.8 | 42.0 | 53.1 | 66.0 | 83.6 | 112 | 146 | 187 | 240 | 325 | 474 | 664 | 838 | 900 |
| -15 | 0.10 | 1.68 | 7.04 | 14.9 | 23.8 | 33.3 | 43.9 | 55.6 | 69.9 | 91.1 | 123 | 162 | 211 | 293 | 461 | 785 | 1245 | 1693 | 1838 |
| -10 | 0.10 | 1.74 | 7.30 | 15.4 | 24.6 | 34.4 | 45.4 | 57.6 | 73.1 | 97.1 | 132 | 174 | 234 | 349 | 639 | 1219 | 2046 | 2817 | 3108 |
| -5 | 0.10 | 1.78 | 7.46 | 15.7 | 25.2 | 35.0 | 46.2 | 59.0 | 75.4 | 101 | 137 | 183 | 251 | 404 | 794 | 1585 | 2749 | 3862 | 4272 |
| 0 | 0.10 | 1.79 | 7.51 | 15.8 | 25.4 | 35.2 | 46.5 | 59.5 | 76.2 | 102 | 139 | 186 | 258 | 429 | 873 | 1787 | 3066 | 4289 | 4680 |
| 5 | 0.10 | 1.77 | 7.45 | 15.7 | 25.2 | 35.0 | 46.2 | 59.0 | 75.4 | 101 | 138 | 183 | 251 | 402 | 801 | 1622 | 2742 | 3791 | 4089 |
| 10 | 0.10 | 1.74 | 7.29 | 15.3 | 24.6 | 34.3 | 45.3 | 57.6 | 73.2 | 97.3 | 132 | 176 | 237 | 357 | 643 | 1210 | 2018 | 2704 | 2860 |
| 15 | 0.10 | 1.68 | 7.02 | 14.8 | 23.8 | 33.2 | 43.8 | 55.5 | 70.2 | 92.0 | 125 | 164 | 214 | 294 | 468 | 789 | 1213 | 1560 | 1627 |
| 20 | 0.10 | 1.59 | 6.65 | 14.1 | 22.7 | 31.8 | 41.9 | 53.1 | 66.4 | 84.8 | 113 | 146 | 187 | 244 | 333 | 468 | 641 | 772 | 785 |
| 25 | 0.10 | 1.48 | 6.19 | 13.2 | 21.3 | 30.1 | 39.7 | 50.1 | 62.3 | 76.7 | 98.8 | 127 | 159 | 198 | 243 | 299 | 350 | 389 | 390 |
| 30 | 0.10 | 1.35 | 5.66 | 12.2 | 19.8 | 28.1 | 37.0 | 46.6 | 57.3 | 69.0 | 84.7 | 107 | 132 | 158 | 185 | 211 | 229 | 242 | 239 |
| 35 | 0.10 | 1.20 | 5.05 | 11.0 | 18.1 | 25.9 | 34.0 | 42.6 | 51.7 | 61.8 | 73.1 | 88.2 | 106 | 124 | 142 | 157 | 167 | 171 | 168 |
| 40 | 0.10 | 1.05 | 4.40 | 9.74 | 16.2 | 23.3 | 30.7 | 38.4 | 46.2 | 54.6 | 63.7 | 73.3 | 83.9 | 96.2 | 109 | 119 | 126 | 130 | 128 |
| 45 | 0.10 | 0.91 | 3.71 | 8.36 | 14.2 | 20.6 | 27.2 | 33.9 | 40.7 | 47.9 | 55.0 | 61.8 | 68.7 | 75.6 | 82.3 | 88.4 | 93.3 | 95.8 | 94.9 |
| 50 | 0.10 | 0.75 | 3.04 | 6.95 | 12.0 | 17.7 | 23.4 | 29.4 | 35.4 | 41.4 | 47.0 | 51.8 | 56.7 | 61.4 | 65.1 | 68.0 | 70.1 | 71.0 | 70.6 |
| 55 | 0.10 | 0.61 | 2.39 | 5.57 | 9.83 | 14.6 | 19.5 | 24.6 | 30.0 | 35.0 | 39.3 | 43.2 | 46.6 | 49.6 | 52.1 | 54.1 | 55.7 | 56.4 | 56.2 |
| 60 | 0.10 | 0.50 | 1.78 | 4.21 | 7.56 | 11.4 | 15.4 | 19.7 | 24.3 | 28.9 | 32.2 | 35.1 | 37.7 | 39.9 | 41.4 | 42.8 | 43.9 | 44.3 | 44.0 |
| 65 | 0.10 | 0.39 | 1.26 | 2.96 | 5.41 | 8.28 | 11.3 | 14.7 | 18.2 | 21.6 | 24.5 | 27.2 | 29.1 | 30.6 | 31.5 | 32.5 | 33.3 | 33.6 | 33.4 |
| 70 | 0.10 | 0.32 | 0.84 | 1.89 | 3.49 | 5.39 | 7.49 | 9.87 | 12.4 | 14.7 | 16.8 | 18.8 | 20.6 | 21.6 | 22.3 | 23.0 | 23.6 | 23.8 | 23.7 |
| 75 | 0.10 | 0.26 | 0.52 | 1.07 | 1.92 | 2.99 | 4.20 | 5.64 | 7.20 | 8.61 | 9.94 | 11.3 | 12.5 | 13.3 | 13.7 | 14.3 | 14.7 | 14.7 | 14.5 |
| 80 | 0.10 | 0.20 | 0.32 | 0.54 | 0.88 | 1.29 | 1.76 | 2.41 | 3.13 | 3.73 | 4.32 | 4.97 | 5.58 | 5.98 | 6.29 | 6.59 | 6.79 | 6.76 | 6.62 |
| 85 | 0.10 | 0.15 | 0.20 | 0.27 | 0.34 | 0.41 | 0.51 | 0.62 | 0.78 | 0.90 | 0.99 | 1.13 | 1.28 | 1.35 | 1.39 | 1.46 | 1.51 | 1.46 | 1.39 |
| 90 | 0.10 | 0.10 | 0.11 | 0.10 | 0.10 | 0.10 | 0.10 | 0.09 | 0.09 | 0.08 | 0.08 | 0.07 | 0.07 | 0.06 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 |

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 05/05/2021

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity: 65.0%
Test Distance: 7.200m [K=1.0000]
Remarks: PTL-100WATT-6500K

LUMINOUS DISTRIBUTION INTENSITY DATA

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| Test:U:230.50V I:0.4455A P:100.76W PF:0.9811 Freq:50.01Hz Lamp Flux:13353.7x1 lm | | |
| NAME: PTL | TYPE:OUTDOOR | WEIGHT:4kg |
| SPEC.:100 WATT | DIM.: 370X370X80 | SERIAL No.: |
| MFR.: LITPA AYDINLATMA | SUR.: | Shielding Angle: |

Table--2

UNIT: μA10cd

| H (DEG) V (DEG) | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 | 90 | |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| -90 | 0.06 | 0.06 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | |
| -85 | 1.66 | 1.59 | 1.54 | 1.47 | 1.32 | 1.15 | 1.03 | 0.91 | 0.76 | 0.61 | 0.50 | 0.42 | 0.32 | 0.25 | 0.19 | 0.13 | 0.09 | 0.04 | |
| -80 | 7.25 | 7.00 | 6.80 | 6.48 | 5.92 | 5.32 | 4.76 | 4.15 | 3.39 | 2.69 | 2.09 | 1.52 | 1.03 | 0.66 | 0.42 | 0.26 | 0.13 | 0.04 | |
| -75 | 15.3 | 14.9 | 14.6 | 14.0 | 13.1 | 12.0 | 10.9 | 9.65 | 8.07 | 6.53 | 5.12 | 3.78 | 2.53 | 1.52 | 0.84 | 0.42 | 0.19 | 0.04 | |
| -70 | 24.7 | 24.0 | 23.5 | 22.7 | 21.6 | 20.1 | 18.5 | 16.5 | 14.0 | 11.6 | 9.23 | 6.91 | 4.73 | 2.90 | 1.54 | 0.67 | 0.25 | 0.04 | |
| -65 | 34.5 | 33.7 | 33.0 | 31.9 | 30.4 | 28.7 | 26.8 | 24.0 | 20.7 | 17.3 | 14.0 | 10.6 | 7.42 | 4.66 | 2.51 | 1.03 | 0.32 | 0.04 | |
| -60 | 45.6 | 44.7 | 43.6 | 42.0 | 39.8 | 37.5 | 34.9 | 31.6 | 27.7 | 23.3 | 19.0 | 14.6 | 10.4 | 6.68 | 3.66 | 1.47 | 0.39 | 0.04 | |
| -55 | 58.2 | 56.9 | 55.2 | 52.7 | 49.6 | 46.7 | 43.7 | 38.8 | 34.1 | 29.2 | 23.9 | 18.6 | 13.4 | 8.86 | 4.93 | 2.02 | 0.46 | 0.04 | |
| -50 | 73.5 | 71.6 | 69.2 | 65.4 | 60.9 | 56.4 | 51.4 | 46.5 | 40.6 | 34.5 | 28.6 | 22.4 | 16.4 | 11.1 | 6.28 | 2.60 | 0.57 | 0.04 | |
| -45 | 98.7 | 95.0 | 89.6 | 82.1 | 75.0 | 68.1 | 60.8 | 53.8 | 47.0 | 40.0 | 32.9 | 26.0 | 19.4 | 13.2 | 7.63 | 3.19 | 0.69 | 0.04 | |
| -40 | 135 | 129 | 119 | 108 | 94.2 | 82.4 | 71.3 | 61.9 | 53.5 | 45.2 | 37.1 | 29.4 | 22.2 | 15.3 | 8.96 | 3.81 | 0.80 | 0.04 | |
| -35 | 178 | 170 | 155 | 137 | 119 | 101 | 84.3 | 70.8 | 60.3 | 50.2 | 41.0 | 32.6 | 24.8 | 17.2 | 10.2 | 4.38 | 0.91 | 0.04 | |
| -30 | 253 | 237 | 207 | 179 | 149 | 122 | 100 | 81.4 | 66.4 | 55.1 | 44.8 | 35.6 | 27.1 | 19.0 | 11.3 | 4.94 | 1.04 | 0.04 | |
| -25 | 409 | 360 | 296 | 241 | 187 | 147 | 117 | 92.6 | 72.9 | 59.4 | 48.3 | 38.3 | 29.2 | 20.5 | 12.3 | 5.41 | 1.15 | 0.04 | |
| -20 | 802 | 628 | 464 | 330 | 238 | 176 | 133 | 103 | 79.3 | 63.3 | 51.3 | 40.6 | 30.8 | 21.7 | 13.1 | 5.84 | 1.23 | 0.04 | |
| -15 | 1606 | 1146 | 741 | 459 | 296 | 203 | 148 | 112 | 85.5 | 66.9 | 53.6 | 42.4 | 32.1 | 22.7 | 13.7 | 6.18 | 1.30 | 0.04 | |
| -10 | 2662 | 1870 | 1117 | 614 | 347 | 227 | 162 | 120 | 90.4 | 69.6 | 55.2 | 43.6 | 33.0 | 23.3 | 14.2 | 6.41 | 1.35 | 0.04 | |
| -5 | 3628 | 2508 | 1444 | 747 | 393 | 244 | 170 | 124 | 92.6 | 71.2 | 56.2 | 44.3 | 33.6 | 23.7 | 14.4 | 6.54 | 1.37 | 0.04 | |
| 0 | 3968 | 2733 | 1565 | 784 | 399 | 244 | 170 | 124 | 92.5 | 71.5 | 56.3 | 44.4 | 33.7 | 23.8 | 14.4 | 6.56 | 1.38 | 0.04 | |
| 5 | 3445 | 2384 | 1402 | 714 | 375 | 235 | 166 | 122 | 91.4 | 70.6 | 55.8 | 44.1 | 33.5 | 23.7 | 14.4 | 6.52 | 1.37 | 0.04 | |
| 10 | 2450 | 1713 | 1025 | 562 | 328 | 218 | 157 | 116 | 88.1 | 68.4 | 54.6 | 43.3 | 32.9 | 23.2 | 14.1 | 6.38 | 1.34 | 0.04 | |
| 15 | 1407 | 1028 | 659 | 408 | 267 | 192 | 143 | 109 | 83.7 | 65.6 | 52.8 | 41.9 | 31.9 | 22.4 | 13.6 | 6.13 | 1.29 | 0.04 | |
| 20 | 707 | 554 | 400 | 292 | 216 | 164 | 127 | 99.6 | 77.7 | 62.4 | 50.6 | 40.1 | 30.5 | 21.4 | 12.9 | 5.79 | 1.22 | 0.04 | |
| 25 | 367 | 316 | 264 | 214 | 173 | 138 | 111 | 88.7 | 71.0 | 58.8 | 47.8 | 37.9 | 28.8 | 20.1 | 12.1 | 5.36 | 1.13 | 0.04 | |
| 30 | 232 | 212 | 189 | 164 | 138 | 115 | 95.0 | 77.5 | 64.6 | 54.2 | 44.5 | 35.4 | 26.9 | 18.6 | 11.2 | 4.87 | 1.02 | 0.04 | |
| 35 | 166 | 156 | 143 | 128 | 110 | 94.8 | 80.6 | 68.1 | 58.3 | 49.2 | 40.6 | 32.4 | 24.6 | 17.0 | 10.0 | 4.31 | 0.90 | 0.04 | |
| 40 | 126 | 120 | 111 | 100 | 88.6 | 77.7 | 68.4 | 60.0 | 51.8 | 44.1 | 36.6 | 29.2 | 22.0 | 15.1 | 8.78 | 3.73 | 0.78 | 0.04 | |
| 45 | 93.7 | 89.7 | 84.0 | 77.9 | 71.5 | 64.9 | 58.5 | 52.3 | 45.8 | 38.8 | 32.2 | 25.7 | 19.3 | 13.1 | 7.47 | 3.11 | 0.68 | 0.04 | |
| 50 | 70.1 | 68.5 | 65.8 | 62.7 | 58.9 | 54.2 | 49.6 | 45.1 | 39.6 | 33.6 | 27.8 | 22.0 | 16.4 | 11.0 | 6.14 | 2.52 | 0.56 | 0.04 | |
| 55 | 56.0 | 54.9 | 53.0 | 50.6 | 48.0 | 45.0 | 41.7 | 37.6 | 33.3 | 28.4 | 23.1 | 18.2 | 13.4 | 8.82 | 4.83 | 1.95 | 0.46 | 0.04 | |
| 60 | 44.0 | 43.3 | 42.0 | 40.3 | 38.5 | 36.2 | 33.5 | 30.6 | 27.1 | 22.7 | 18.3 | 14.2 | 10.3 | 6.64 | 3.57 | 1.41 | 0.39 | 0.04 | |
| 65 | 33.3 | 32.8 | 31.8 | 30.6 | 29.4 | 27.8 | 25.7 | 23.0 | 20.2 | 16.9 | 13.4 | 10.2 | 7.29 | 4.64 | 2.45 | 0.98 | 0.32 | 0.04 | |
| 70 | 23.7 | 23.3 | 22.5 | 21.5 | 20.7 | 19.5 | 17.7 | 15.6 | 13.6 | 11.3 | 8.83 | 6.54 | 4.60 | 2.90 | 1.50 | 0.65 | 0.25 | 0.04 | |
| 75 | 14.5 | 14.3 | 13.8 | 13.1 | 12.5 | 11.6 | 10.3 | 8.98 | 7.67 | 6.30 | 4.83 | 3.50 | 2.44 | 1.52 | 0.82 | 0.42 | 0.19 | 0.04 | |
| 80 | 6.64 | 6.56 | 6.22 | 5.79 | 5.42 | 4.98 | 4.34 | 3.68 | 3.11 | 2.56 | 1.92 | 1.36 | 0.98 | 0.67 | 0.42 | 0.26 | 0.13 | 0.04 | |
| 85 | 1.41 | 1.40 | 1.30 | 1.19 | 1.12 | 1.04 | 0.89 | 0.76 | 0.68 | 0.58 | 0.46 | 0.38 | 0.31 | 0.26 | 0.19 | 0.13 | 0.09 | 0.04 | |
| 90 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.04 | |

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 05/05/2021

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity: 65.0%
Test Distance: 7.200m [K=1.0000]
Remarks: PTL-100WATT-6500K