

Floodlight Summary:

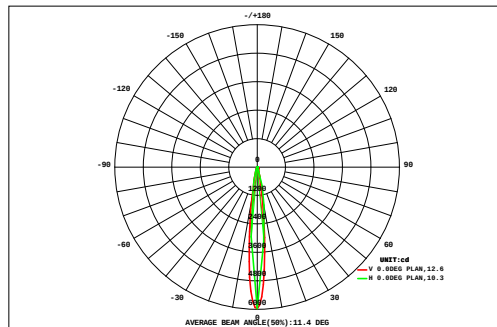
Report based on lamp delivering 1000 lumens.

|                                                         |                |                                                                       |
|---------------------------------------------------------|----------------|-----------------------------------------------------------------------|
| Maximum Intensity<br>(Luminaire orientation as tested.) |                | 11274.3 cd per klm.<br>0.0 degrees vertical<br>0.0 degrees horizontal |
| Beam Spread                                             | At 10% of Imax | 30.9V x 26.8H                                                         |
|                                                         | At 50% of Imax | 10.3V x 12.6H                                                         |
|                                                         | At 90% of Imax | 3.5V x 4.9H                                                           |
| Beam Flux                                               | Total          | 984.9 lumens per klm.                                                 |
|                                                         | To 10% of Imax | 662.7 lumens per klm.                                                 |
|                                                         | To 50% of Imax | 274.6 lumens per klm.                                                 |
|                                                         | To 90% of Imax | 27.2 lumens per klm.                                                  |
| Upward LOR                                              |                | 0.0 %                                                                 |
| Downward LOR                                            |                | 98.5 %                                                                |
| Luminaire Efficiency(Light Output Ratio)                |                | 100.0 %                                                               |

|                        |                                                  |
|------------------------|--------------------------------------------------|
| H(β) Range:-90 - 90DEG | V(B) Range:-80 - 80DEG                           |
| H(β) Interval: 1.0DEG  | V(B) Interval: 5.0DEG                            |
| Test Speed: HIGH       | Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.354 |
| Temperature:28.0DEG    | Humidity:83%                                     |
| Operators:QC1          | Test Distance:8.300m [K=1.0000]                  |
| Test Date:2025-07-31   | Remarks:                                         |

## LUMINAIRE PHOTOMETRIC TEST REPORT

|                                                                                |          |                       |
|--------------------------------------------------------------------------------|----------|-----------------------|
| Test:U:277.6V I:0.0707A P:9.225W PF:0.4703 Freq:50.00Hz Lamp Flux:529.506x1 lm |          |                       |
| NAME: 8.03.035.0004 10° SP-PZT-R135-6P-RDM-G                                   | TYPE:LED | WEIGHT:               |
| SPEC.:                                                                         | DIM.:    | SERIAL No.:2025070085 |
| MFR.: TPK OPTOELECTRONIC TECH CO., LTD                                         | SUR.:    | Shielding Angle:      |



| DATA OF LAMP               |         | Eff:57.40lm/W   |          |
|----------------------------|---------|-----------------|----------|
| MODEL:SP-PZT-R135-6P-RDM-G |         | Imax(cd)        | 5970     |
| NOMINAL POWER(W)           | 9       | AVAILABILITY(%) | 71.4     |
| RATED VOLTAGE(V)           | 277     | Avai. FLUX(lm)  | 378.0    |
| NOMINAL FLUX(lm)           | 529.506 | LOR(%)          | 100.0    |
| LAMPS INSIDE               | 1       | TOTAL FLUX(lm)  | 529.5    |
| TEST VOLTAGE(V)            | 277     | θ @50%(H,V)     | 13,10DEG |

| VERTICAL (DEG) | AREA FLUX DIAGRAM |      |      |      |      |      |      |      |                  |      |      |      |      |      |      |      | UNIT:lm |      | Φ t  | Φ a  |
|----------------|-------------------|------|------|------|------|------|------|------|------------------|------|------|------|------|------|------|------|---------|------|------|------|
|                | 0.11              | 0.13 | 0.16 | 0.18 | 0.21 | 0.24 | 0.26 | 0.28 | 0.29             | 0.30 | 0.29 | 0.28 | 0.26 | 0.23 | 0.20 | 0.18 | 0.15    | 0.12 | 3.88 | 0.00 |
| 27             | 0.11              | 0.13 | 0.16 | 0.18 | 0.21 | 0.24 | 0.26 | 0.28 | 0.29             | 0.30 | 0.29 | 0.28 | 0.26 | 0.23 | 0.20 | 0.18 | 0.15    | 0.12 | 3.88 | 0.00 |
| 24             | 0.11              | 0.14 | 0.17 | 0.21 | 0.25 | 0.30 | 0.35 | 0.39 | 0.43             | 0.46 | 0.46 | 0.44 | 0.41 | 0.37 | 0.32 | 0.27 | 0.22    | 0.18 | 5.46 | 0.00 |
| 21             | 0.15              | 0.19 | 0.23 | 0.28 | 0.34 | 0.40 | 0.46 | 0.51 | 0.55             | 0.56 | 0.55 | 0.51 | 0.45 | 0.39 | 0.33 | 0.27 | 0.22    | 0.18 | 6.56 | 0.00 |
| 18             | 0.20              | 0.24 | 0.30 | 0.36 | 0.43 | 0.51 | 0.58 | 0.64 | 0.67             | 0.67 | 0.63 | 0.56 | 0.49 | 0.41 | 0.33 | 0.27 | 0.21    | 0.17 | 7.67 | 0.00 |
| 15             | 0.16              | 0.20 | 0.27 | 0.35 | 0.46 | 0.62 | 0.87 | 1.21 | 1.64             | 1.98 | 2.03 | 1.75 | 1.34 | 0.98 | 0.72 | 0.53 | 0.39    | 0.30 | 15.8 | 6.41 |
| 12             | 0.19              | 0.25 | 0.33 | 0.44 | 0.61 | 0.86 | 1.25 | 1.78 | 2.34             | 2.67 | 2.56 | 2.10 | 1.56 | 1.12 | 0.80 | 0.58 | 0.42    | 0.32 | 20.2 | 11.8 |
| 9              | 0.28              | 0.37 | 0.50 | 0.68 | 0.96 | 1.40 | 2.05 | 2.85 | 3.45             | 3.42 | 2.76 | 1.96 | 1.35 | 0.93 | 0.64 | 0.46 | 0.34    | 0.25 | 24.7 | 16.7 |
|                | 0.23              | 0.31 | 0.42 | 0.58 | 0.84 | 1.30 | 2.20 | 3.83 | 6.25             | 8.25 | 8.17 | 6.12 | 3.67 | 1.99 | 1.14 | 0.73 | 0.50    | 0.35 | 46.9 | 40.3 |
|                | 0.18              | 0.24 | 0.32 | 0.44 | 0.68 | 1.14 | 2.29 | 4.84 | 9.29             | 13.6 | 14.2 | 10.8 | 6.26 | 3.18 | 1.70 | 1.04 | 0.68    | 0.47 | 71.3 | 65.5 |
|                | 0.31              | 0.43 | 0.61 | 0.97 | 1.68 | 3.40 | 7.04 | 13.1 | 18.3             | 17.9 | 12.6 | 6.58 | 2.96 | 1.49 | 0.91 | 0.59 | 0.41    | 0.28 | 89.5 | 83.5 |
|                | 0.30              | 0.41 | 0.58 | 0.92 | 1.59 | 3.19 | 6.57 | 12.2 | 17.3             | 17.3 | 12.5 | 6.84 | 3.21 | 1.62 | 0.97 | 0.63 | 0.43    | 0.30 | 86.9 | 80.8 |
|                | 0.16              | 0.21 | 0.27 | 0.32 | 0.38 | 0.36 | 0.43 | 0.86 | 2.90             | 6.94 | 9.28 | 8.11 | 5.15 | 2.75 | 1.51 | 0.93 | 0.62    | 0.43 | 41.6 | 36.1 |
| -9             | 0.20              | 0.27 | 0.36 | 0.48 | 0.65 | 0.94 | 1.45 | 2.09 | 2.58             | 3.71 | 4.35 | 3.74 | 2.54 | 1.53 | 0.94 | 0.63 | 0.44    | 0.31 | 27.2 | 20.7 |
| -12            | 0.26              | 0.35 | 0.48 | 0.68 | 1.00 | 1.50 | 2.19 | 2.75 | 2.29             | 0.76 | 0.09 | 0.00 | 0.04 | 0.18 | 0.27 | 0.27 | 0.22    | 0.17 | 13.5 | 7.92 |
| -15            | 0.11              | 0.15 | 0.20 | 0.26 | 0.33 | 0.41 | 0.53 | 0.77 | 1.24             | 1.87 | 2.20 | 1.96 | 1.43 | 1.00 | 0.72 | 0.51 | 0.37    | 0.27 | 14.3 | 6.31 |
| -18            | 0.09              | 0.11 | 0.15 | 0.18 | 0.19 | 0.18 | 0.17 | 0.17 | 0.27             | 0.76 | 1.26 | 1.32 | 1.05 | 0.77 | 0.57 | 0.42 | 0.31    | 0.23 | 8.20 | 1.98 |
| -21            | 0.13              | 0.17 | 0.23 | 0.28 | 0.32 | 0.34 | 0.32 | 0.21 | 0.09             | 0.03 | 0.01 | 0.03 | 0.06 | 0.10 | 0.13 | 0.13 | 0.10    | 0.08 | 2.75 | 0.00 |
| -24            | 0.08              | 0.11 | 0.14 | 0.18 | 0.21 | 0.23 | 0.22 | 0.19 | 0.21             | 0.23 | 0.24 | 0.23 | 0.22 | 0.19 | 0.17 | 0.15 | 0.12    | 0.10 | 3.22 | 0.00 |
| -27            | -27               | -24  | -21  | -18  | -15  | -12  | -9   | -6   | HORIZONTAL (DEG) | 6    | 9    | 12   | 15   | 18   | 21   | 24   | 27      |      |      |      |
| Φ t            | 3.24              | 4.27 | 5.70 | 7.78 | 11.1 | 17.3 | 29.2 | 48.7 | 70.0             | 81.5 | 74.2 | 53.3 | 32.4 | 19.2 | 12.4 | 8.58 | 6.17    | 4.52 | 490  | ---  |
| Φ a            | 0.00              | 0.00 | 0.00 | 0.00 | 2.25 | 7.57 | 24.0 | 43.1 | 65.7             | 77.6 | 71.1 | 50.3 | 23.8 | 10.0 | 2.42 | 0.00 | 0.00    | 0.00 | ---  | 378  |

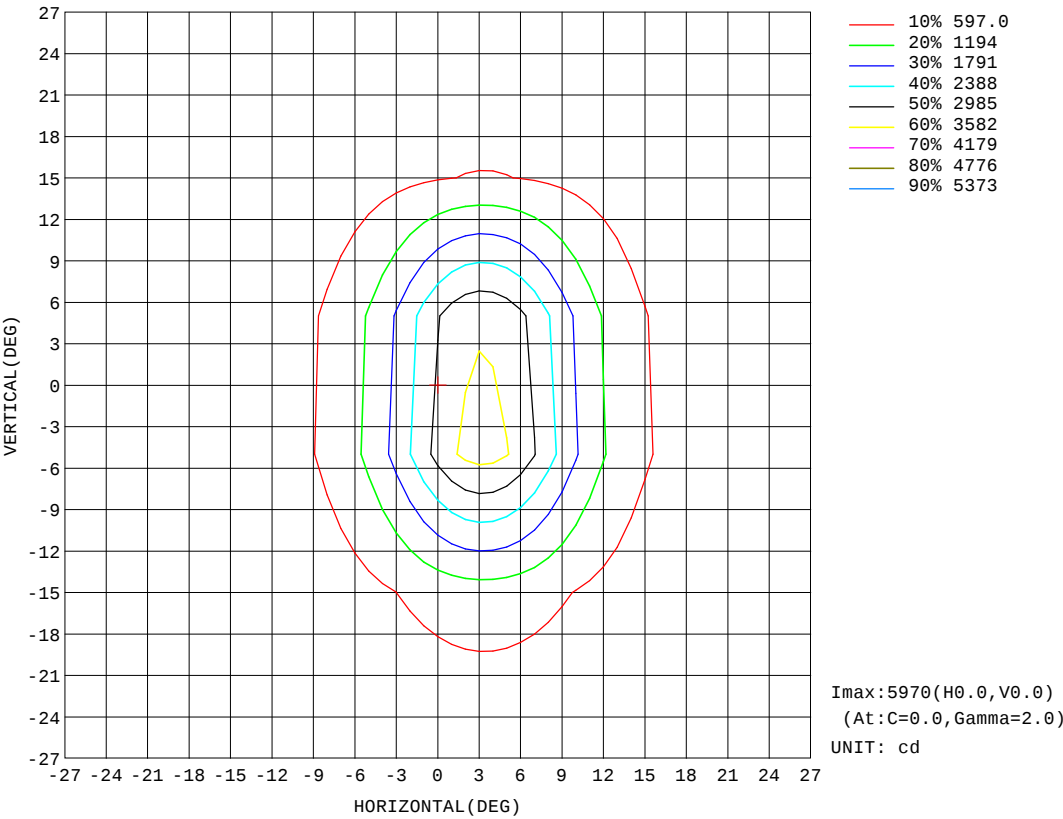
one-half-peak spread: U:5.4,D:5.0 , L:6.0,R:6.0,NEMA Beam Type: Type 2 x 3 (H x V)

H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:28.0DEG  
Operators:QC1  
Test Date:2025-07-31

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.354  
Humidity:83%  
Test Distance:8.300m [K=1.0000]  
Remarks:

ISOCANDELA DIAGRAM

|                                                                                |          |                       |
|--------------------------------------------------------------------------------|----------|-----------------------|
| Test:U:277.6V I:0.0707A P:9.225W PF:0.4703 Freq:50.00Hz Lamp Flux:529.506x1 lm |          |                       |
| NAME: 8.03.035.0004 10° SP-PZT-R135-6P-RDM-G                                   | TYPE:LED | WEIGHT:               |
| SPEC.:                                                                         | DIM.:    | SERIAL No.:2025070085 |
| MFR.: TPK OPTOELECTRONIC TECH CO., LTD                                         | SUR.:    | Shielding Angle:      |

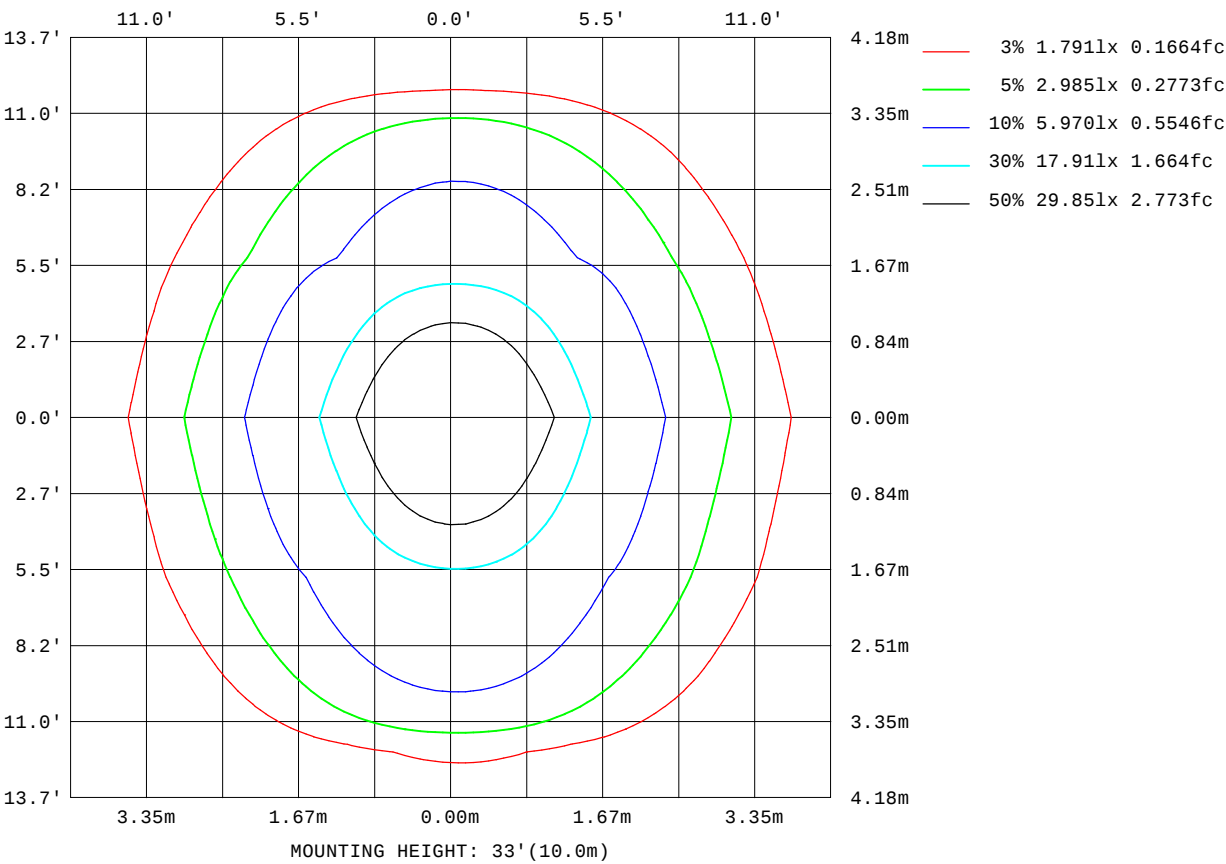


H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:28.0DEG  
Operators:QC1  
Test Date:2025-07-31

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.354  
Humidity:83%  
Test Distance:8.300m [K=1.0000]  
Remarks:

ISOLUX DIAGRAM

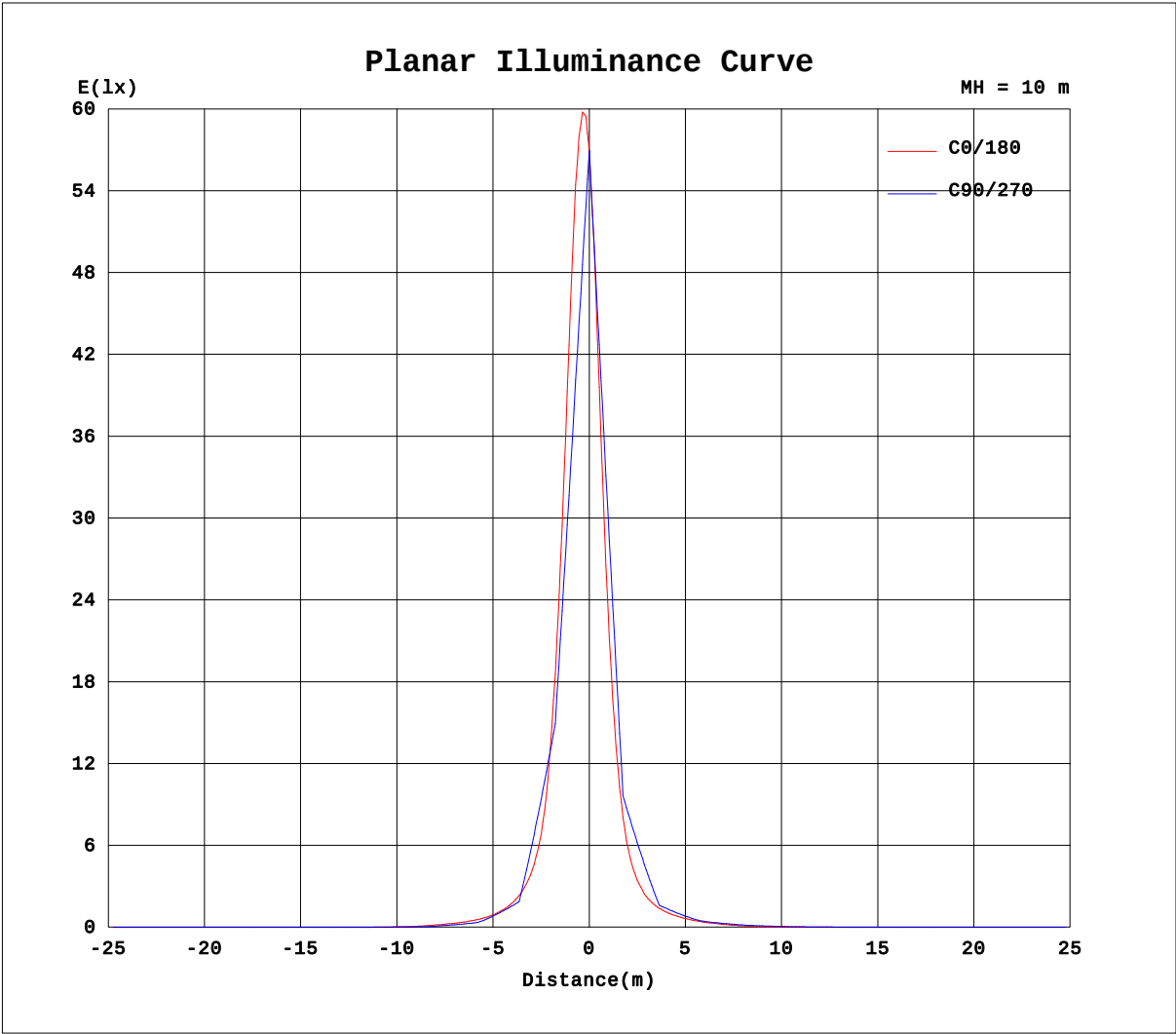
|                                                                                |          |                       |
|--------------------------------------------------------------------------------|----------|-----------------------|
| Test:U:277.6V I:0.0707A P:9.225W PF:0.4703 Freq:50.00Hz Lamp Flux:529.506x1 lm |          |                       |
| NAME: 8.03.035.0004 10° SP-PZT-R135-6P-RDM-G                                   | TYPE:LED | WEIGHT:               |
| SPEC.:                                                                         | DIM.:    | SERIAL No.:2025070085 |
| MFR.: TPK OPTOELECTRONIC TECH CO., LTD                                         | SUR.:    | Shielding Angle:      |



H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:28.0DEG  
Operators:QC1  
Test Date:2025-07-31

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.354  
Humidity:83%  
Test Distance:8.300m [K=1.0000]  
Remarks:

Planar Illuminance Curve

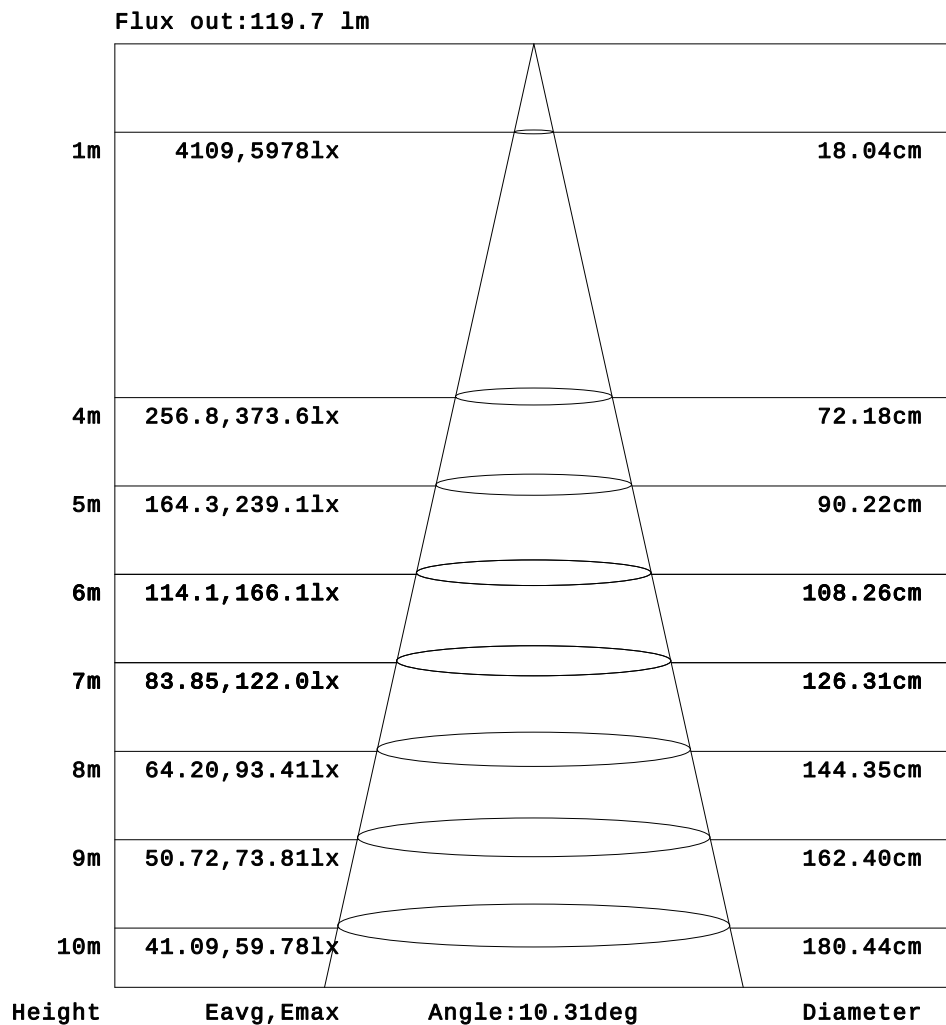


H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:28.0DEG  
Operators:QC1  
Test Date:2025-07-31

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.354  
Humidity:83%  
Test Distance:8.300m [K=1.0000]  
Remarks:

## AAI Figure

|                                                                                |          |                       |
|--------------------------------------------------------------------------------|----------|-----------------------|
| Test:U:277.6V I:0.0707A P:9.225W PF:0.4703 Freq:50.00Hz Lamp Flux:529.506x1 lm |          |                       |
| NAME: 8.03.035.0004 10° SP-PZT-R135-6P-RDM-G                                   | TYPE:LED | WEIGHT:               |
| SPEC.:                                                                         | DIM.:    | SERIAL No.:2025070085 |
| MFR.: TPK OPTOELECTRONIC TECH CO., LTD                                         | SUR.:    | Shielding Angle:      |



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

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:28.0DEG  
Operators:QC1  
Test Date:2025-07-31

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.354  
Humidity:83%  
Test Distance:8.300m [K=1.0000]  
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

|                                                                                |          |                       |
|--------------------------------------------------------------------------------|----------|-----------------------|
| Test:U:277.6V I:0.0707A P:9.225W PF:0.4703 Freq:50.00Hz Lamp Flux:529.506x1 lm |          |                       |
| NAME: 8.03.035.0004 10° SP-PZT-R135-6P-RDM-G                                   | TYPE:LED | WEIGHT:               |
| SPEC.:                                                                         | DIM.:    | SERIAL No.:2025070085 |
| MFR.: TPK OPTOELECTRONIC TECH CO., LTD                                         | SUR.:    | Shielding Angle:      |

| Table--1         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | UNIT: cd |      |      |  |
|------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|------|------|--|
| H(DEG)<br>V(DEG) | -90  | -85  | -80  | -75  | -70  | -65  | -60  | -55  | -50  | -45  | -40  | -35  | -30  | -25  | -20  | -15  | -10      | -5   | 0    |  |
| -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 |  |
| -85              | 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 |  |
| -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 |  |
| -75              | 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 |  |
| -70              | 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 |  |
| -65              | 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 |  |
| -60              | 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 |  |
| -55              | 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 |  |
| -50              | 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 |  |
| -45              | 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 | 0.63 | 2.69 | 5.18     | 6.56 | 7.43 |  |
| -40              | 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 | 0.16 | 3.46 | 8.77 | 12.1     | 14.3 | 15.3 |  |
| -35              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.44 | 3.48 | 7.72 | 14.6 | 21.6 | 28.9     | 33.9 | 36.1 |  |
| -30              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.32 | 11.5 | 23.3 | 33.9 | 43.8 | 52.3     | 56.8 | 57.9 |  |
| -25              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.34 | 6.50 | 15.8 | 29.3 | 46.8 | 69.8 | 93.9     | 120  | 141  |  |
| -20              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.31 | 8.87 | 18.4 | 36.1 | 55.2 | 86.9 | 124  | 167      | 211  | 233  |  |
| -15              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.36 | 7.25 | 16.7 | 35.9 | 60.0 | 92.5 | 148  | 249      | 462  | 813  |  |
| -10              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.46 | 6.71 | 15.7 | 35.4 | 64.6 | 99.8 | 159  | 276  | 547      | 1128 | 1634 |  |
| -5               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.71 | 11.7 | 27.7 | 52.9 | 84.4 | 133  | 227  | 483      | 1336 | 3181 |  |
| 0                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.09 | 9.44 | 24.2 | 48.6 | 76.8 | 121  | 202  | 417  | 1208     | 3630 | 5970 |  |
| 5                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.67 | 14.5 | 33.1 | 55.2 | 85.2 | 133  | 223  | 461      | 1248 | 2943 |  |
| 10               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.91 | 10.3 | 24.2 | 43.7 | 66.7 | 100  | 155  | 251  | 444      | 784  | 1045 |  |
| 15               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.96 | 13.4 | 28.1 | 44.9 | 66.2 | 96.7 | 144  | 223      | 366  | 560  |  |
| 20               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.52 | 8.22 | 18.2 | 32.3 | 47.1 | 65.7 | 89.5 | 120  | 154      | 185  | 199  |  |
| 25               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.76 | 8.67 | 18.7 | 30.1 | 42.6 | 57.8 | 76.0 | 96.9     | 118  | 134  |  |
| 30               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.44 | 9.78 | 19.0 | 27.6 | 37.0 | 47.0 | 57.0 | 65.8     | 72.2 | 74.9 |  |
| 35               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.12 | 2.96 | 8.82 | 16.3 | 23.2 | 30.3 | 37.6 | 44.3     | 49.7 | 53.0 |  |
| 40               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.45 | 7.80 | 13.4 | 18.0 | 22.4 | 26.5 | 29.6     | 31.6 | 32.6 |  |
| 45               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 2.20 | 5.13 | 9.24 | 12.9 | 16.1 | 18.8     | 20.7 | 21.9 |  |
| 50               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.87 | 5.00 | 7.27 | 9.14 | 10.5     | 11.4 | 11.8 |  |
| 55               | 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 | 1.65 | 2.98 | 4.03 | 4.87     | 5.45 | 5.79 |  |
| 60               | 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 |  |
| 65               | 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 |  |
| 70               | 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 |  |
| 75               | 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 |  |
| 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 |  |
| 85               | 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 |  |

H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:28.0DEG  
Operators:QC1  
Test Date:2025-07-31

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.354  
Humidity:83%  
Test Distance:8.300m [K=1.0000]  
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

|                                                                                |          |                       |
|--------------------------------------------------------------------------------|----------|-----------------------|
| Test:U:277.6V I:0.0707A P:9.225W PF:0.4703 Freq:50.00Hz Lamp Flux:529.506x1 lm |          |                       |
| NAME: 8.03.035.0004 10° SP-PZT-R135-6P-RDM-G                                   | TYPE:LED | WEIGHT:               |
| SPEC.:                                                                         | DIM.:    | SERIAL No.:2025070085 |
| MFR.: TPK OPTOELECTRONIC TECH CO., LTD                                         | SUR.:    | Shielding Angle:      |

|                  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |
|------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|------|
| Table--2         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | UNIT: cd |      |
| H(DEG)<br>V(DEG) | 5    | 10   | 15   | 20   | 25   | 30   | 35   | 40   | 45   | 50   | 55   | 60   | 65   | 70   | 75   | 80   | 85       | 90   |
| -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 |
| -85              | 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 |
| -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 |
| -75              | 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 |
| -70              | 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 |
| -65              | 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 |
| -60              | 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 |
| -55              | 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 |
| -50              | 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 |
| -45              | 7.68 | 7.22 | 6.13 | 3.97 | 1.73 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00     | 0.00 |
| -40              | 15.0 | 13.3 | 10.1 | 4.92 | 1.56 | 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 |
| -35              | 37.1 | 37.0 | 33.2 | 26.3 | 18.7 | 10.8 | 5.60 | 2.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00     | 0.00 |
| -30              | 59.8 | 57.0 | 48.7 | 38.2 | 26.8 | 14.5 | 6.81 | 0.82 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00     | 0.00 |
| -25              | 145  | 132  | 108  | 82.3 | 56.5 | 36.1 | 20.9 | 10.1 | 3.82 | 0.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00     | 0.00 |
| -20              | 219  | 180  | 136  | 95.5 | 60.2 | 39.0 | 20.4 | 10.7 | 3.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00     | 0.00 |
| -15              | 903  | 578  | 319  | 188  | 115  | 71.5 | 43.6 | 21.6 | 10.7 | 3.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00     | 0.00 |
| -10              | 1228 | 625  | 326  | 184  | 112  | 69.4 | 37.9 | 17.9 | 8.42 | 1.69 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00     | 0.00 |
| -5               | 3615 | 1847 | 660  | 303  | 167  | 99.2 | 61.2 | 33.1 | 15.4 | 6.41 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00     | 0.00 |
| 0                | 4006 | 1373 | 478  | 233  | 131  | 79.3 | 49.4 | 24.0 | 10.6 | 3.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00     | 0.00 |
| 5                | 3337 | 1719 | 621  | 290  | 163  | 98.3 | 62.5 | 38.2 | 18.0 | 7.41 | 0.72 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00     | 0.00 |
| 10               | 843  | 500  | 284  | 171  | 107  | 70.0 | 45.7 | 24.9 | 11.4 | 3.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00     | 0.00 |
| 15               | 608  | 437  | 273  | 171  | 112  | 75.0 | 50.8 | 32.5 | 16.6 | 6.54 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00     | 0.00 |
| 20               | 190  | 160  | 125  | 93.2 | 68.2 | 49.0 | 33.8 | 18.8 | 9.08 | 1.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00     | 0.00 |
| 25               | 136  | 126  | 105  | 83.5 | 64.0 | 47.8 | 34.5 | 22.1 | 11.5 | 3.85 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00     | 0.00 |
| 30               | 73.4 | 67.8 | 59.3 | 49.7 | 39.7 | 30.1 | 20.9 | 11.2 | 4.77 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00     | 0.00 |
| 35               | 53.7 | 51.6 | 47.1 | 40.9 | 34.0 | 26.7 | 19.5 | 11.5 | 5.14 | 1.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00     | 0.00 |
| 40               | 32.3 | 30.6 | 27.7 | 24.0 | 19.6 | 14.7 | 8.73 | 3.59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00     | 0.00 |
| 45               | 22.2 | 21.7 | 20.2 | 17.9 | 14.9 | 11.3 | 6.92 | 3.23 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00     | 0.00 |
| 50               | 11.7 | 11.2 | 10.1 | 8.40 | 6.09 | 2.74 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00     | 0.00 |
| 55               | 5.88 | 5.79 | 5.42 | 4.75 | 3.78 | 2.45 | 0.66 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00     | 0.00 |
| 60               | 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 |
| 65               | 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 |
| 70               | 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 |
| 75               | 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 |
| 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 |
| 85               | 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 |

H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:28.0DEG  
Operators:QC1  
Test Date:2025-07-31

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.354  
Humidity:83%  
Test Distance:8.300m [K=1.0000]  
Remarks: