

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

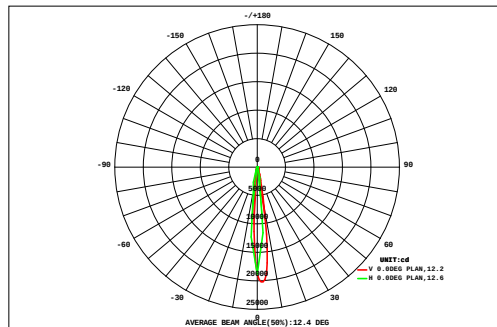
|                                                         |                |                                                                       |
|---------------------------------------------------------|----------------|-----------------------------------------------------------------------|
| Maximum Intensity<br>(Luminaire orientation as tested.) |                | 10424.4 cd per klm.<br>0.0 degrees vertical<br>0.0 degrees horizontal |
| Beam Spread                                             | At 10% of Imax | 33.1V x 27.0H                                                         |
|                                                         | At 50% of Imax | 12.6V x 12.2H                                                         |
|                                                         | At 90% of Imax | 4.7V x 5.7H                                                           |
| Beam Flux                                               | Total          | 985.3 lumens per klm.                                                 |
|                                                         | To 10% of Imax | 579.9 lumens per klm.                                                 |
|                                                         | To 50% of Imax | 249.6 lumens per klm.                                                 |
|                                                         | To 90% of Imax | 30.1 lumens per klm.                                                  |
| Upward LOR                                              |                | 0.0 %                                                                 |
| Downward LOR                                            |                | 98.5 %                                                                |
| Luminaire Efficiency(Light Output Ratio)                |                | 100.0 %                                                               |

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:29.4DEG  
Operators:QC1  
Test Date:2026-09-14

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

## LUMINAIRE PHOTOMETRIC TEST REPORT

|                                                                                |       |                      |
|--------------------------------------------------------------------------------|-------|----------------------|
| Test:U:219.7V I:0.1579A P:29.51W PF:0.8505 Freq:50.00Hz Lamp Flux:1936.86x1 lm |       |                      |
| NAME: 8.01.029.0009 8°LWW-OP-W75-L3-RDM                                        | TYPE: | WEIGHT:              |
| SPEC.:                                                                         | DIM.: | SERIAL No.:202609034 |
| MFR.: TPK OPTOELECTRONIC TECH CO., LTD                                         | SUR.: | Shielding Angle:     |



| DATA OF LAMP     |                   | Eff:65.63lm/W         |          |
|------------------|-------------------|-----------------------|----------|
| MODEL            | LWW-OP-W75-L3-RDM | I <sub>max</sub> (cd) | 20191    |
| NOMINAL POWER(W) | 30                | AVAILABILITY(%)       | 61.6     |
| RATED VOLTAGE(V) | 220               | Avai. FLUX(lm)        | 1194     |
| NOMINAL FLUX(lm) | 1936.86           | LOR(%)                | 100.0    |
| LAMPS INSIDE     | 1                 | TOTAL FLUX(lm)        | 1937     |
| TEST VOLTAGE(V)  | 219.7             | θ @50%(H,V)           | 12,13DEG |

| VERTICAL (DEG) | AREA FLUX DIAGRAM |      |      |      |      |      |      |      |                  |      |      |      |      |      |      |      | UNIT:lm |      | Φ t  | Φ a  |
|----------------|-------------------|------|------|------|------|------|------|------|------------------|------|------|------|------|------|------|------|---------|------|------|------|
|                | 0.55              | 0.65 | 0.76 | 0.89 | 1.02 | 1.15 | 1.26 | 1.33 | 1.36             | 1.32 | 1.24 | 1.11 | 0.98 | 0.84 | 0.72 | 0.60 | 0.51    | 0.42 | 16.7 | 0.00 |
| 27             | 0.55              | 0.65 | 0.76 | 0.89 | 1.02 | 1.15 | 1.26 | 1.33 | 1.36             | 1.32 | 1.24 | 1.11 | 0.98 | 0.84 | 0.72 | 0.60 | 0.51    | 0.42 | 16.7 | 0.00 |
| 24             | 0.60              | 0.75 | 0.93 | 1.16 | 1.42 | 1.69 | 1.94 | 2.14 | 2.24             | 2.22 | 2.07 | 1.83 | 1.57 | 1.30 | 1.06 | 0.86 | 0.70    | 0.57 | 25.1 | 0.00 |
| 21             | 0.77              | 0.98 | 1.24 | 1.55 | 1.89 | 2.23 | 2.53 | 2.73 | 2.78             | 2.65 | 2.39 | 2.07 | 1.72 | 1.39 | 1.12 | 0.90 | 0.72    | 0.58 | 30.2 | 0.00 |
| 18             | 0.96              | 1.23 | 1.56 | 1.96 | 2.39 | 2.80 | 3.14 | 3.33 | 3.31             | 3.07 | 2.70 | 2.28 | 1.84 | 1.46 | 1.15 | 0.92 | 0.72    | 0.57 | 35.4 | 0.00 |
| 15             | 0.89              | 1.21 | 1.65 | 2.26 | 3.14 | 4.27 | 5.75 | 7.61 | 9.00             | 8.57 | 6.75 | 5.06 | 3.77 | 2.78 | 2.05 | 1.50 | 1.11    | 0.84 | 68.2 | 37.9 |
| 12             | 1.06              | 1.47 | 2.07 | 2.91 | 4.14 | 5.75 | 7.95 | 10.5 | 11.9             | 10.7 | 8.13 | 5.97 | 4.36 | 3.16 | 2.28 | 1.64 | 1.19    | 0.89 | 86.0 | 57.0 |
| 9              | 1.48              | 2.10 | 2.98 | 4.25 | 6.04 | 8.37 | 11.6 | 14.7 | 14.6             | 11.3 | 8.10 | 5.78 | 4.07 | 2.90 | 2.04 | 1.44 | 1.04    | 0.78 | 104  | 78.2 |
|                | 1.30              | 1.84 | 2.64 | 3.83 | 5.60 | 8.47 | 15.2 | 25.5 | 30.8             | 28.7 | 19.4 | 10.0 | 5.86 | 3.94 | 2.69 | 1.86 | 1.31    | 0.95 | 170  | 146  |
|                | 1.06              | 1.50 | 2.19 | 3.25 | 4.95 | 8.36 | 18.9 | 37.2 | 48.7             | 48.1 | 32.0 | 14.7 | 7.83 | 5.10 | 3.42 | 2.34 | 1.62    | 1.14 | 242  | 220  |
|                | 1.69              | 2.46 | 3.67 | 5.62 | 9.03 | 19.2 | 42.4 | 60.7 | 61.6             | 45.3 | 20.1 | 8.74 | 5.52 | 3.57 | 2.40 | 1.65 | 1.15    | 0.84 | 296  | 274  |
|                | 1.62              | 2.36 | 3.51 | 5.34 | 8.53 | 17.9 | 39.3 | 56.7 | 58.0             | 43.4 | 19.9 | 8.76 | 5.48 | 3.57 | 2.41 | 1.67 | 1.16    | 0.85 | 280  | 257  |
| -9             | 0.91              | 1.24 | 1.70 | 2.32 | 3.03 | 2.76 | 3.61 | 11.6 | 19.9             | 24.7 | 21.0 | 10.9 | 6.00 | 4.12 | 2.85 | 2.00 | 1.42    | 1.02 | 121  | 94.6 |
| -12            | 1.07              | 1.45 | 1.96 | 2.62 | 3.34 | 3.55 | 3.70 | 3.71 | 5.94             | 8.47 | 9.03 | 6.08 | 4.00 | 2.91 | 2.09 | 1.51 | 1.11    | 0.82 | 63.4 | 29.3 |
| -15            | 1.27              | 1.74 | 2.34 | 3.10 | 3.94 | 4.38 | 2.15 | 0.11 | 0.00             | 0.00 | 0.00 | 0.91 | 1.73 | 1.52 | 1.22 | 0.94 | 0.75    | 0.59 | 26.7 | 0.00 |
| -18            | 0.71              | 0.91 | 1.19 | 1.54 | 1.99 | 2.53 | 3.16 | 3.85 | 4.41             | 4.51 | 4.06 | 3.39 | 2.71 | 2.13 | 1.66 | 1.29 | 0.98    | 0.75 | 41.8 | 0.00 |
| -21            | 0.59              | 0.72 | 0.88 | 1.06 | 1.27 | 1.51 | 1.78 | 2.14 | 2.59             | 2.90 | 2.78 | 2.45 | 2.05 | 1.68 | 1.38 | 1.12 | 0.86    | 0.68 | 28.4 | 0.00 |
| -24            | 0.69              | 0.85 | 0.99 | 1.13 | 1.24 | 1.27 | 1.19 | 0.99 | 0.76             | 0.66 | 0.68 | 0.71 | 0.71 | 0.72 | 0.70 | 0.63 | 0.52    | 0.43 | 14.9 | 0.00 |
| -27            | 0.53              | 0.64 | 0.74 | 0.85 | 0.93 | 0.98 | 0.97 | 0.91 | 0.94             | 0.94 | 0.89 | 0.81 | 0.76 | 0.73 | 0.69 | 0.62 | 0.52    | 0.44 | 13.9 | 0.00 |
|                | -27               | -24  | -21  | -18  | -15  | -12  | -9   | -6   | HORIZONTAL (DEG) | 6    | 9    | 12   | 15   | 18   | 21   | 24   | 27      |      |      |      |
| Φ t            | 17.8              | 24.1 | 33.0 | 45.6 | 63.9 | 97.2 | 167  | 246  | 279              | 248  | 161  | 91.6 | 61.0 | 43.8 | 31.9 | 23.5 | 17.4    | 13.2 | 1664 | ---  |
| Φ a            | 0.00              | 0.00 | 0.00 | 8.35 | 27.7 | 65.4 | 144  | 226  | 260              | 227  | 142  | 66.5 | 24.0 | 1.93 | 0.00 | 0.00 | 0.00    | 0.00 | ---  | 1194 |

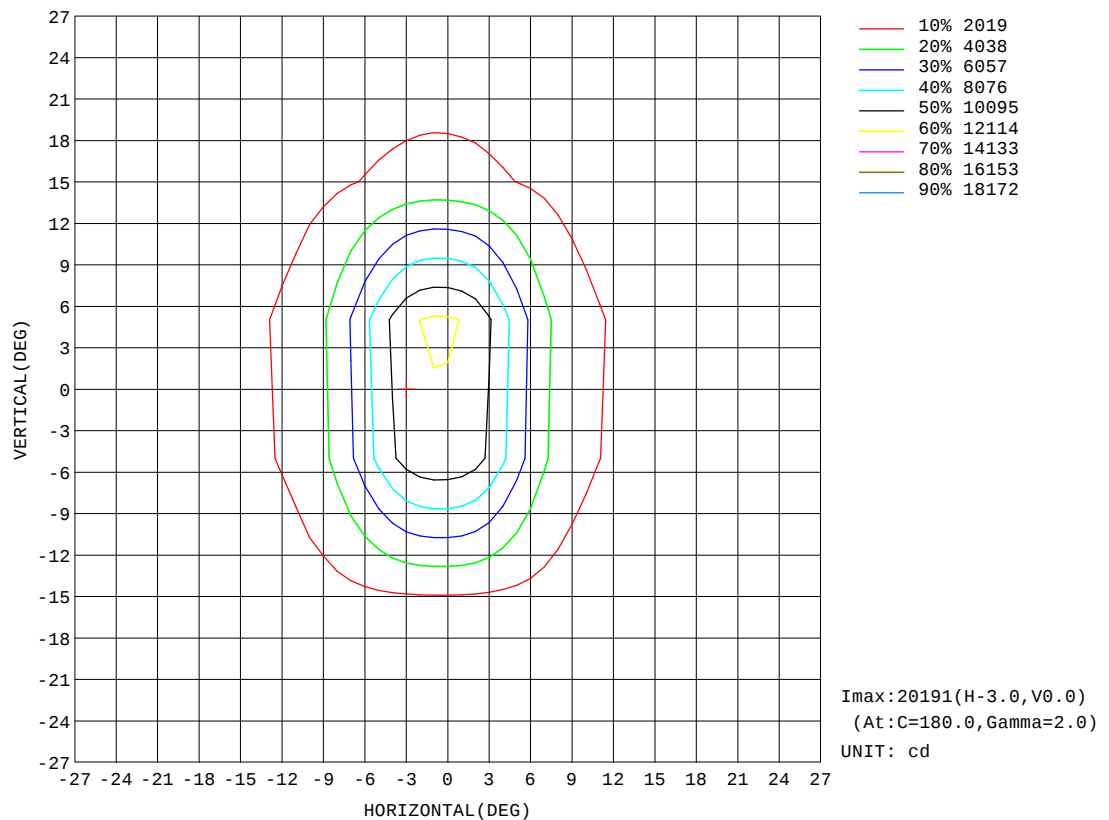
one-half-peak spread: U:6.1,D:6.6 , L:5.7,R:6.6,EMA Beam Type: Type 2 x 3 (H x V)

H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:29.4DEG  
Operators:QC1  
Test Date:2026-09-14

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

## ISOCANDELA DIAGRAM

|                                                                                |       |                      |
|--------------------------------------------------------------------------------|-------|----------------------|
| Test:U:219.7V I:0.1579A P:29.51W PF:0.8505 Freq:50.00Hz Lamp Flux:1936.86x1 lm |       |                      |
| NAME: 8.01.029.0009 8°LWW-OP-W75-L3-RDM                                        | TYPE: | WEIGHT:              |
| SPEC.:                                                                         | DIM.: | SERIAL No.:202609034 |
| MFR.: TPK OPTOELECTRONIC TECH CO., LTD                                         | SUR.: | Shielding Angle:     |

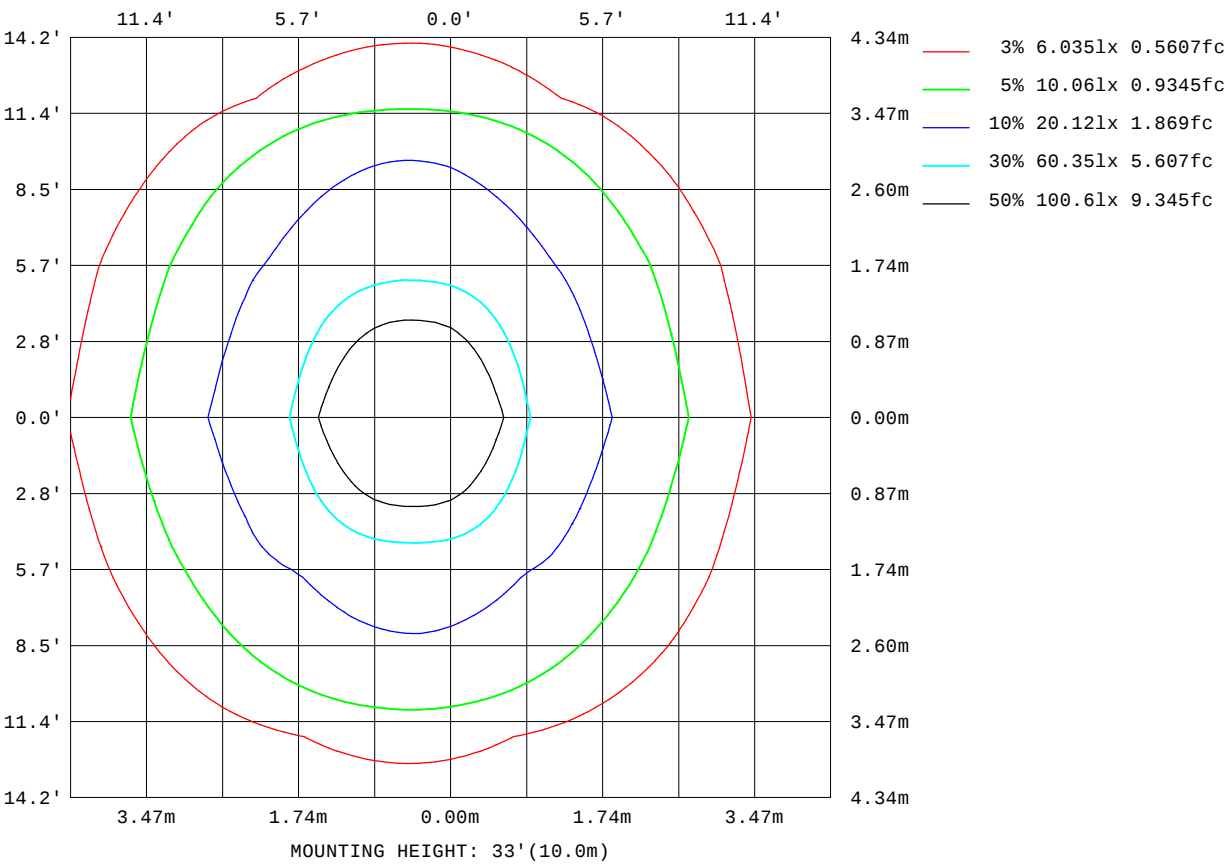


H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:29.4DEG  
Operators:QC1  
Test Date:2026-09-14

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

ISOLUX DIAGRAM

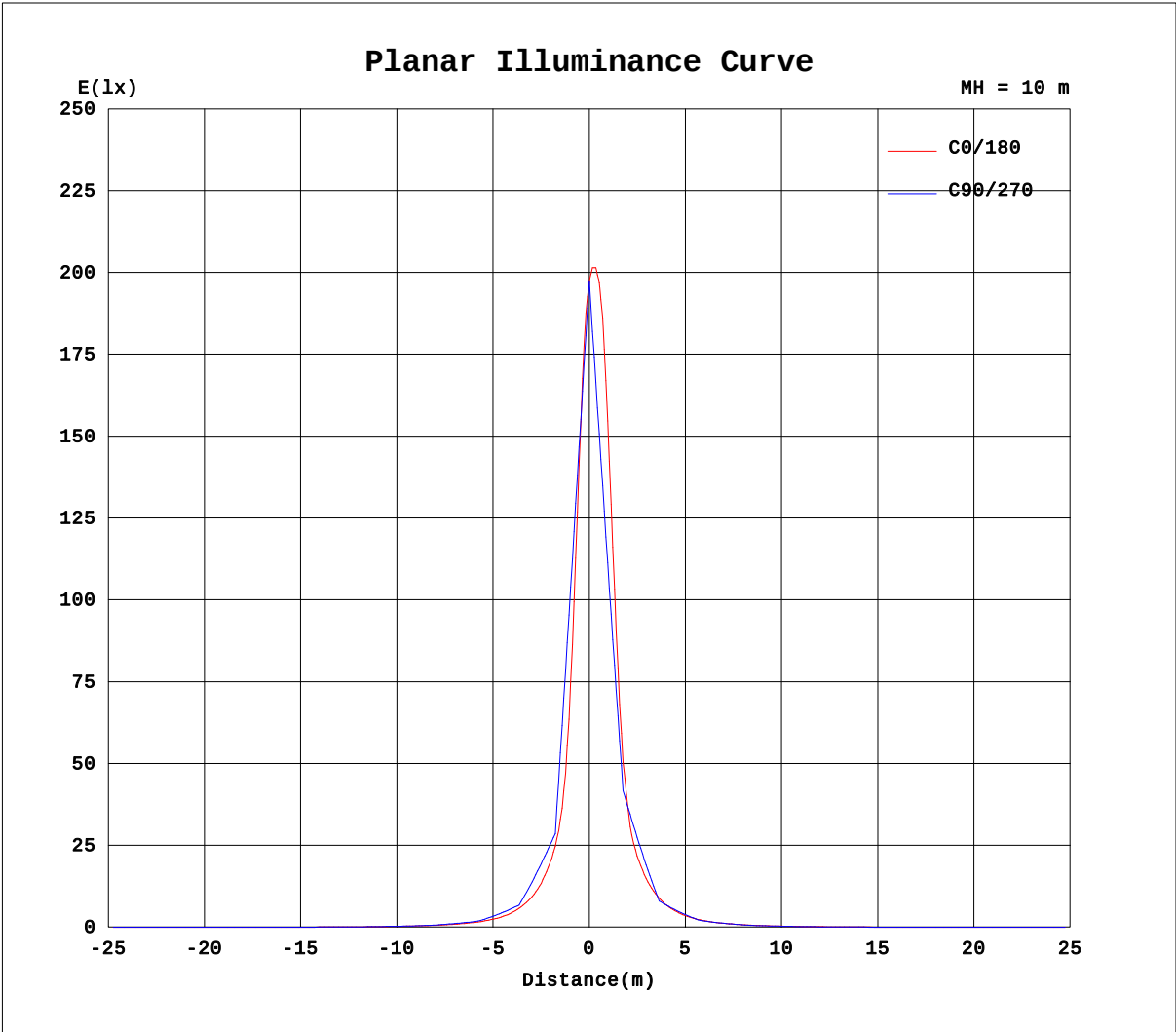
|                                                                                |       |                      |
|--------------------------------------------------------------------------------|-------|----------------------|
| Test:U:219.7V I:0.1579A P:29.51W PF:0.8505 Freq:50.00Hz Lamp Flux:1936.86x1 lm |       |                      |
| NAME: 8.01.029.0009 8°LWW-OP-W75-L3-RDM                                        | TYPE: | WEIGHT:              |
| SPEC.:                                                                         | DIM.: | SERIAL No.:202609034 |
| MFR.: TPK OPTOELECTRONIC TECH CO., LTD                                         | SUR.: | Shielding Angle:     |



H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:29.4DEG  
Operators:QC1  
Test Date:2026-09-14

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

Planar Illuminance Curve

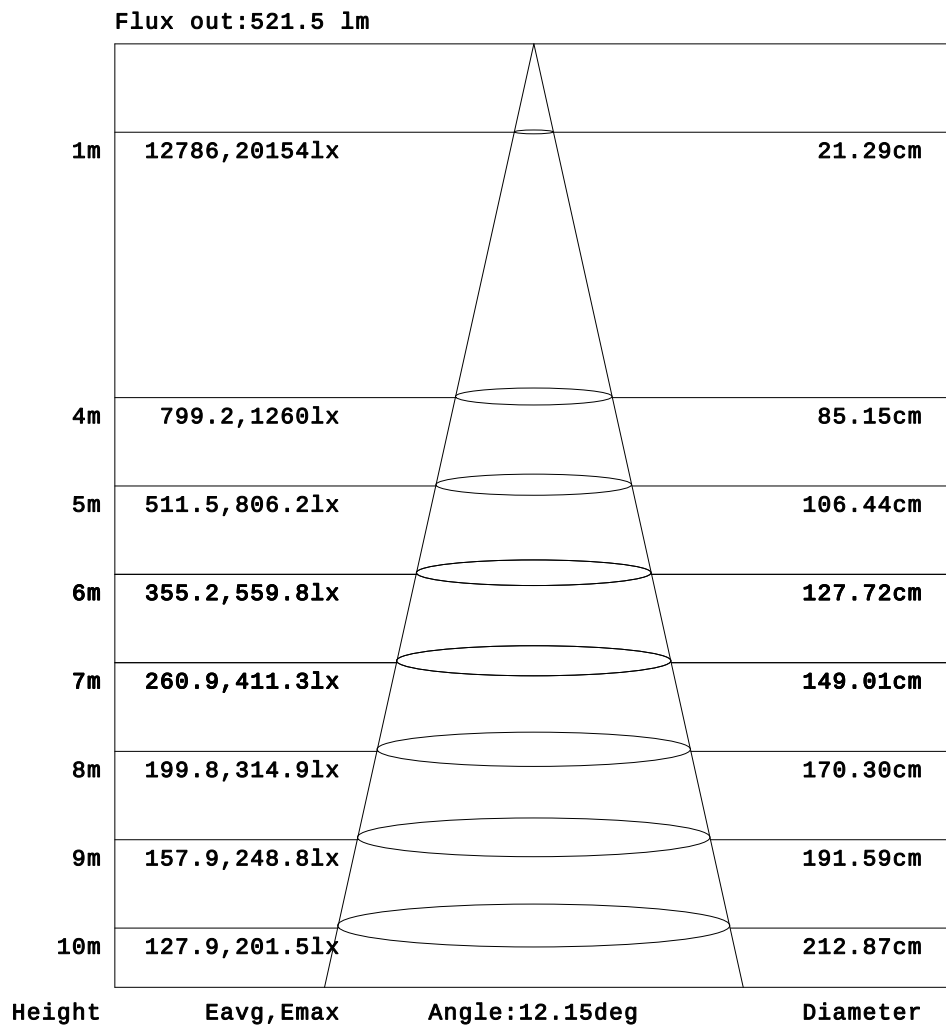


H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:29.4DEG  
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V(B) Range:-80 - 80DEG  
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Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.354  
Humidity:80%  
Test Distance:8.300m [K=1.0000]  
Remarks:

## AAI Figure

|                                                                                |       |                      |
|--------------------------------------------------------------------------------|-------|----------------------|
| Test:U:219.7V I:0.1579A P:29.51W PF:0.8505 Freq:50.00Hz Lamp Flux:1936.86x1 lm |       |                      |
| NAME: 8.01.029.0009 8°LWW-OP-W75-L3-RDM                                        | TYPE: | WEIGHT:              |
| SPEC.:                                                                         | DIM.: | SERIAL No.:202609034 |
| 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:29.4DEG  
Operators:QC1  
Test Date:2026-09-14

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

## LUMINOUS DISTRIBUTION INTENSITY DATA

|                                                                                |       |                      |
|--------------------------------------------------------------------------------|-------|----------------------|
| Test:U:219.7V I:0.1579A P:29.51W PF:0.8505 Freq:50.00Hz Lamp Flux:1936.86x1 lm |       |                      |
| NAME: 8.01.029.0009 8°LWW-OP-W75-L3-RDM                                        | TYPE: | WEIGHT:              |
| SPEC.:                                                                         | DIM.: | SERIAL No.:202609034 |
| MFR.: TPK OPTOELECTRONIC TECH CO., LTD                                         | SUR.: | Shielding Angle:     |

Table--1

UNIT: ×10cd

| H(°) \ V(°) | -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 | 0.07 | 0.22  |
| -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 | 0.35 | 0.46 | 0.40  |
| -65         | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.19 | 0.48  | 0.73 | 0.97 | 1.13 | 1.27 | 1.36 | 1.47 | 1.62 | 1.82 | 1.83  |
| -60         | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.62 | 1.15  | 1.66 | 2.09 | 2.38 | 2.64 | 2.79 | 3.03 | 3.15 | 3.23 | 3.18  |
| -55         | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.20 | 0.63 | 1.26 | 1.94  | 2.52 | 3.08 | 3.48 | 3.86 | 4.15 | 4.44 | 4.68 | 4.86 | 4.89  |
| -50         | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.73 | 1.63 | 2.47 | 3.17  | 3.86 | 4.41 | 4.91 | 5.36 | 5.74 | 6.08 | 6.37 | 6.58 | 6.51  |
| -45         | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 0.99 | 1.96 | 2.91 | 3.80  | 4.62 | 5.51 | 6.39 | 7.28 | 8.10 | 8.85 | 9.44 | 9.88 | 10.00 |
| -40         | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.91 | 2.01 | 3.06 | 4.07 | 5.07  | 6.10 | 7.30 | 8.62 | 9.85 | 11.1 | 12.1 | 12.9 | 13.4 | 13.3  |
| -35         | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.86 | 2.06 | 3.18 | 4.29 | 5.51  | 6.90 | 8.55 | 10.5 | 12.6 | 15.1 | 17.5 | 19.6 | 21.2 | 21.6  |
| -30         | 0.00 | 0.00 | 0.00 | 0.00 | 0.48 | 1.77 | 3.02 | 4.18 | 5.43 | 7.04  | 8.95 | 11.3 | 14.0 | 17.3 | 21.0 | 24.7 | 27.8 | 29.6 | 29.5  |
| -25         | 0.00 | 0.00 | 0.00 | 0.00 | 0.23 | 1.54 | 2.89 | 4.12 | 5.50 | 7.27  | 9.54 | 12.4 | 16.3 | 21.5 | 28.7 | 37.2 | 46.8 | 54.4 | 56.6  |
| -20         | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 | 2.42 | 3.74 | 5.09 | 6.89 | 9.21  | 12.3 | 16.4 | 22.3 | 30.8 | 42.8 | 57.6 | 72.7 | 82.5 | 81.5  |
| -15         | 0.00 | 0.00 | 0.00 | 0.00 | 0.54 | 2.02 | 3.41 | 4.75 | 6.52 | 8.93  | 12.1 | 16.8 | 23.8 | 34.9 | 53.8 | 82.8 | 125  | 172  | 195   |
| -10         | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 2.76 | 4.13 | 5.64 | 7.94 | 10.9  | 15.2 | 22.0 | 33.0 | 51.4 | 84.9 | 139  | 215  | 292  | 290   |
| -5          | 0.00 | 0.00 | 0.00 | 0.00 | 0.72 | 2.26 | 3.66 | 5.11 | 7.16 | 9.95  | 13.8 | 20.0 | 30.2 | 48.0 | 82.5 | 148  | 306  | 856  | 1161  |
| 0           | 0.00 | 0.00 | 0.00 | 0.01 | 1.39 | 2.91 | 4.31 | 5.98 | 8.43 | 11.7  | 16.8 | 24.8 | 39.2 | 67.0 | 122  | 239  | 707  | 1875 | 1876  |
| 5           | 0.00 | 0.00 | 0.00 | 0.00 | 0.74 | 2.28 | 3.67 | 5.15 | 7.22 | 10.00 | 13.9 | 20.3 | 30.6 | 48.9 | 84.8 | 154  | 324  | 905  | 1234  |
| 10          | 0.00 | 0.00 | 0.00 | 0.00 | 1.27 | 2.79 | 4.16 | 5.72 | 8.06 | 11.1  | 15.5 | 22.6 | 33.9 | 54.2 | 92.1 | 160  | 267  | 423  | 416   |
| 15          | 0.00 | 0.00 | 0.00 | 0.00 | 0.59 | 2.06 | 3.44 | 4.85 | 6.65 | 9.11  | 12.4 | 17.3 | 24.7 | 36.7 | 57.6 | 92.3 | 147  | 228  | 275   |
| 20          | 0.00 | 0.00 | 0.00 | 0.00 | 1.02 | 2.48 | 3.81 | 5.20 | 7.08 | 9.53  | 12.7 | 17.2 | 23.7 | 33.2 | 46.9 | 65.3 | 84.2 | 96.9 | 95.8  |
| 25          | 0.00 | 0.00 | 0.00 | 0.00 | 0.29 | 1.58 | 2.96 | 4.27 | 5.67 | 7.54  | 9.90 | 13.0 | 17.1 | 22.8 | 30.8 | 41.2 | 52.8 | 62.4 | 65.4  |
| 30          | 0.00 | 0.00 | 0.00 | 0.00 | 0.54 | 1.80 | 3.14 | 4.39 | 5.61 | 7.30  | 9.34 | 11.7 | 14.7 | 18.3 | 22.3 | 26.4 | 30.1 | 32.3 | 32.2  |
| 35          | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.92 | 2.17 | 3.40 | 4.52 | 5.69  | 7.14 | 8.87 | 10.9 | 13.3 | 15.9 | 18.5 | 21.0 | 22.7 | 23.3  |
| 40          | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.01 | 2.20 | 3.31 | 4.29 | 5.14  | 6.28 | 7.60 | 8.93 | 10.3 | 11.5 | 12.7 | 13.4 | 13.9 | 13.9  |
| 45          | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.29 | 1.13 | 2.16 | 3.12 | 3.94  | 4.76 | 5.67 | 6.61 | 7.52 | 8.44 | 9.20 | 9.84 | 10.2 | 10.4  |
| 50          | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.90 | 1.79 | 2.62 | 3.36  | 3.96 | 4.50 | 5.00 | 5.49 | 5.96 | 6.31 | 6.61 | 6.78 | 6.80  |
| 55          | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.28 | 0.72 | 1.44 | 2.08  | 2.68 | 3.16 | 3.61 | 3.98 | 4.33 | 4.62 | 4.84 | 5.02 | 5.08  |
| 60          | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 0.77 | 1.30  | 1.81 | 2.20 | 2.54 | 2.77 | 2.96 | 3.10 | 3.24 | 3.34 | 3.35  |
| 65          | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.28 | 0.54  | 0.82 | 1.02 | 1.20 | 1.43 | 1.59 | 1.75 | 1.85 | 1.97 | 1.97  |
| 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 | 0.07 | 0.23 | 0.36 | 0.47 | 0.57 | 0.62 | 0.58  |
| 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 | 0.09 | 0.15 | 0.22 | 0.26 | 0.31 | 0.30  |
| 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( $\beta$ ) Range:-90 - 90DEG  
 H( $\beta$ ) Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:29.4DEG  
 Operators:QC1  
 Test Date:2026-09-14

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

## LUMINOUS DISTRIBUTION INTENSITY DATA

|                                                                                |       |                      |
|--------------------------------------------------------------------------------|-------|----------------------|
| Test:U:219.7V I:0.1579A P:29.51W PF:0.8505 Freq:50.00Hz Lamp Flux:1936.86x1 lm |       |                      |
| NAME: 8.01.029.0009 8°LWW-OP-W75-L3-RDM                                        | TYPE: | WEIGHT:              |
| SPEC.:                                                                         | DIM.: | SERIAL No.:202609034 |
| MFR.: TPK OPTOELECTRONIC TECH CO., LTD                                         | SUR.: | Shielding Angle:     |

Table--2

UNIT: ×10cd

| H(°) \ V(°) | 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         | 0.17 | 0.12 | 0.04 | 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         | 0.31 | 0.17 | 0.02 | 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         | 1.73 | 1.61 | 1.46 | 1.30 | 1.18 | 1.02 | 0.81 | 0.59 | 0.31 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -60         | 3.07 | 2.93 | 2.76 | 2.50 | 2.25 | 1.87 | 1.45 | 0.98 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -55         | 4.76 | 4.57 | 4.30 | 4.03 | 3.69 | 3.32 | 2.82 | 2.28 | 1.63 | 0.91 | 0.47 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -50         | 6.32 | 5.98 | 5.64 | 5.30 | 4.86 | 4.38 | 3.77 | 3.09 | 2.31 | 1.45 | 0.59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -45         | 9.68 | 9.21 | 8.55 | 7.87 | 7.08 | 6.23 | 5.28 | 4.40 | 3.56 | 2.66 | 1.68 | 0.68 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -40         | 12.7 | 11.9 | 10.9 | 9.86 | 8.62 | 7.34 | 6.03 | 5.05 | 4.09 | 3.09 | 1.96 | 0.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -35         | 20.6 | 18.8 | 16.7 | 14.5 | 12.2 | 10.1 | 8.29 | 6.69 | 5.33 | 4.23 | 3.04 | 1.80 | 0.57 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -30         | 27.2 | 24.0 | 20.8 | 17.3 | 14.0 | 11.3 | 9.19 | 7.20 | 5.67 | 4.43 | 3.13 | 1.79 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -25         | 51.9 | 43.1 | 34.5 | 27.5 | 20.5 | 15.4 | 11.9 | 9.22 | 7.07 | 5.40 | 4.04 | 2.67 | 1.30 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 |
| -20         | 70.2 | 54.7 | 42.6 | 31.8 | 22.4 | 16.4 | 12.3 | 9.40 | 7.06 | 5.30 | 3.84 | 2.46 | 1.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -15         | 160  | 111  | 73.5 | 48.3 | 31.7 | 21.7 | 15.6 | 11.5 | 8.62 | 6.34 | 4.70 | 3.23 | 1.81 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 |
| -10         | 210  | 134  | 81.4 | 49.4 | 31.5 | 21.4 | 15.2 | 11.2 | 8.22 | 5.95 | 4.35 | 2.89 | 1.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -5          | 690  | 235  | 124  | 69.8 | 41.3 | 26.6 | 18.3 | 13.0 | 9.55 | 6.93 | 5.05 | 3.52 | 2.07 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0           | 647  | 225  | 115  | 63.1 | 37.0 | 24.2 | 16.6 | 11.8 | 8.60 | 6.15 | 4.48 | 3.03 | 1.49 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5           | 724  | 246  | 128  | 71.6 | 41.9 | 26.9 | 18.4 | 13.0 | 9.58 | 6.93 | 5.04 | 3.55 | 2.07 | 0.51 | 0.00 | 0.00 | 0.00 | 0.00 |
| 10          | 253  | 149  | 87.5 | 51.7 | 32.8 | 21.8 | 15.3 | 11.3 | 8.28 | 5.94 | 4.36 | 2.93 | 1.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15          | 200  | 127  | 79.5 | 49.9 | 32.3 | 22.1 | 15.7 | 11.6 | 8.70 | 6.37 | 4.69 | 3.30 | 1.81 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20          | 81.1 | 61.8 | 44.0 | 31.4 | 22.5 | 16.6 | 12.4 | 9.45 | 7.14 | 5.28 | 3.89 | 2.53 | 1.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 25          | 59.5 | 48.5 | 36.8 | 27.5 | 20.7 | 15.7 | 12.0 | 9.29 | 7.13 | 5.38 | 4.02 | 2.74 | 1.31 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 |
| 30          | 29.7 | 25.8 | 21.5 | 17.7 | 14.2 | 11.5 | 9.21 | 7.29 | 5.63 | 4.33 | 3.13 | 1.83 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 35          | 22.3 | 20.1 | 17.5 | 14.9 | 12.4 | 10.2 | 8.37 | 6.75 | 5.38 | 4.15 | 3.01 | 1.82 | 0.58 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 40          | 13.4 | 12.4 | 11.3 | 9.96 | 8.73 | 7.38 | 6.15 | 5.08 | 4.09 | 3.05 | 1.95 | 0.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 45          | 10.2 | 9.59 | 8.87 | 8.01 | 7.14 | 6.22 | 5.34 | 4.44 | 3.61 | 2.68 | 1.68 | 0.68 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 50          | 6.60 | 6.22 | 5.82 | 5.34 | 4.85 | 4.32 | 3.80 | 3.11 | 2.41 | 1.51 | 0.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 55          | 5.01 | 4.77 | 4.47 | 4.09 | 3.73 | 3.29 | 2.85 | 2.27 | 1.66 | 0.98 | 0.48 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 60          | 3.26 | 3.10 | 2.83 | 2.57 | 2.28 | 1.91 | 1.46 | 0.92 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 65          | 1.93 | 1.82 | 1.61 | 1.36 | 1.21 | 1.03 | 0.83 | 0.57 | 0.30 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 70          | 0.53 | 0.40 | 0.19 | 0.01 | 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          | 0.27 | 0.24 | 0.14 | 0.04 | 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:29.4DEG  
 Operators:QC1  
 Test Date:2026-09-14

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