

## Floodlight Summary:

Report based on lamp delivering 1000 lumens.

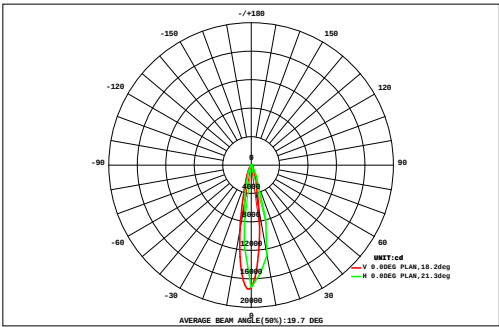
|                                                         |                |                                                                      |
|---------------------------------------------------------|----------------|----------------------------------------------------------------------|
| Maximum Intensity<br>(Luminaire orientation as tested.) |                | 5317.5 cd per klm.<br>0.0 degrees vertical<br>0.0 degrees horizontal |
| Beam Spread                                             | At 10% of Imax | 43.6V x 40.6H                                                        |
|                                                         | At 50% of Imax | 21.0V x 18.2H                                                        |
|                                                         | At 90% of Imax | 6.3V x 6.7H                                                          |
| Beam Flux                                               | Total          | 999.5 lumens per klm.                                                |
|                                                         | To 10% of Imax | 711.2 lumens per klm.                                                |
|                                                         | To 50% of Imax | 330.6 lumens per klm.                                                |
|                                                         | To 90% of Imax | 36.6 lumens per klm.                                                 |
| Upward LOR                                              |                | 0.0 %                                                                |
| Downward LOR                                            |                | 100.0 %                                                              |
| Luminaire Efficiency(Light Output Ratio)                |                | 100.0 %                                                              |

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:28.0DEG  
Operators:QC1  
Test Date:2024-05-22

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.275  
Humidity:83%  
Test Distance:8.300m [K=1.0000]  
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

|                                                                   |          |                        |
|-------------------------------------------------------------------|----------|------------------------|
| Test:U:241.3V I:0.2631A P:61.50W PF:0.9689 Lamp Flux:3279.34x1 lm |          |                        |
| NAME: 8.01.017.0075 20°LWW-WZB-W55-L12-RDM                        | TYPE:LED | WEIGHT:                |
| DIM.:                                                             | SPEC.:   | SERIAL No.:20240500093 |
| MFR.: TPK OPTOELECTRONIC TECH CO., LTD                            | SUR.:    | PROTECTION ANGLE:      |



| DATA OF LAMP             |          | Eff:53.33lm/W   |          |
|--------------------------|----------|-----------------|----------|
| MODELLWW-WZB-W55-L12-RDM | Imax(cd) | 17438           |          |
| NOMINAL POWER(W)         | 62       | AVAILABILITY(%) | 72.4     |
| RATED VOLTAGE(V)         | 242      | Avai. FLUX(lm)  | 2375     |
| NOMINAL FLUX(lm)         | 3279.34  | LOR(%)          | 100.0    |
| LAMPS INSIDE             | 1        | TOTAL FLUX(lm)  | 3279     |
| TEST VOLTAGE(V)          | 241.3    | θ @50%(H,V)     | 18,21DEG |

| VERTICAL (DEG) | AREA FLUX DIAGRAM |      |      |      |      |      |      |      |                  |      |      |      |      |      |      |      | UNIT:lm |      |      |      | Φ t  | Φ a |
|----------------|-------------------|------|------|------|------|------|------|------|------------------|------|------|------|------|------|------|------|---------|------|------|------|------|-----|
|                | 27                | 0.94 | 1.19 | 1.51 | 1.87 | 2.26 | 2.64 | 3.00 | 3.28             | 3.42 | 3.36 | 3.13 | 2.78 | 2.38 | 1.99 | 1.61 | 1.28    | 1.01 | 0.80 | 38.4 | 3.85 |     |
|                | 24                | 1.19 | 1.60 | 2.10 | 2.70 | 3.40 | 4.16 | 4.94 | 5.64             | 6.05 | 6.01 | 5.54 | 4.81 | 4.03 | 3.29 | 2.60 | 2.00    | 1.52 | 1.14 | 62.7 | 30.0 |     |
|                | 21                | 1.52 | 2.06 | 2.72 | 3.52 | 4.43 | 5.42 | 6.43 | 7.27             | 7.67 | 7.46 | 6.72 | 5.73 | 4.73 | 3.80 | 2.95 | 2.24    | 1.66 | 1.22 | 77.6 | 50.1 |     |
|                | 18                | 1.87 | 2.55 | 3.37 | 4.37 | 5.50 | 6.71 | 7.95 | 8.93             | 9.30 | 8.89 | 7.87 | 6.61 | 5.39 | 4.27 | 3.26 | 2.44    | 1.79 | 1.30 | 92.4 | 69.3 |     |
|                | 15                | 1.91 | 2.66 | 3.73 | 5.23 | 7.57 | 11.4 | 16.6 | 21.8             | 25.3 | 25.3 | 21.7 | 16.3 | 11.2 | 7.42 | 5.07 | 3.61    | 2.58 | 1.84 | 191  | 174  |     |
|                | 12                | 2.22 | 3.13 | 4.48 | 6.43 | 9.70 | 15.2 | 22.4 | 29.5             | 33.8 | 33.1 | 27.7 | 20.3 | 13.4 | 8.63 | 5.79 | 4.06    | 2.87 | 2.03 | 245  | 229  |     |
|                | 9                 | 2.84 | 4.03 | 5.79 | 8.46 | 13.2 | 21.0 | 30.4 | 38.8             | 42.8 | 39.9 | 31.7 | 22.1 | 14.0 | 8.67 | 5.81 | 4.02    | 2.81 | 1.96 | 298  | 284  |     |
|                | 6                 | 2.62 | 3.71 | 5.33 | 7.83 | 12.2 | 19.7 | 29.3 | 38.7             | 44.3 | 43.0 | 35.4 | 25.5 | 16.4 | 10.0 | 6.54 | 4.49    | 3.11 | 2.17 | 310  | 297  |     |
|                | 3                 | 2.31 | 3.27 | 4.70 | 6.93 | 10.8 | 17.7 | 27.2 | 37.4             | 44.9 | 45.5 | 38.9 | 28.9 | 18.9 | 11.5 | 7.30 | 4.97    | 3.43 | 2.40 | 317  | 303  |     |
|                | 0                 | 2.95 | 4.21 | 6.11 | 9.42 | 15.5 | 24.9 | 35.8 | 45.7             | 49.8 | 45.5 | 35.6 | 24.5 | 15.1 | 9.09 | 6.02 | 4.13    | 2.84 | 1.99 | 339  | 326  |     |
|                | -3                | 2.82 | 4.01 | 5.78 | 8.84 | 14.4 | 22.9 | 32.6 | 41.5             | 45.1 | 41.2 | 32.3 | 22.3 | 13.9 | 8.53 | 5.73 | 3.96    | 2.74 | 1.92 | 310  | 296  |     |
|                | -6                | 1.87 | 2.58 | 3.52 | 4.76 | 6.49 | 9.40 | 13.6 | 18.3             | 22.2 | 23.1 | 20.5 | 16.0 | 11.4 | 7.69 | 5.30 | 3.77    | 2.69 | 1.92 | 175  | 157  |     |
|                | -9                | 1.88 | 2.53 | 3.39 | 4.41 | 5.51 | 6.97 | 8.98 | 11.1             | 12.5 | 12.7 | 11.3 | 9.16 | 7.16 | 5.41 | 4.00 | 2.95    | 2.15 | 1.55 | 114  | 90.8 |     |
|                | -12               | 1.93 | 2.56 | 3.36 | 4.21 | 4.80 | 4.93 | 4.80 | 4.19             | 3.12 | 2.43 | 2.05 | 1.96 | 2.57 | 2.93 | 2.57 | 2.04    | 1.56 | 1.15 | 53.1 | 16.9 |     |
|                | -15               | 1.25 | 1.65 | 2.15 | 2.78 | 3.53 | 4.40 | 5.46 | 6.56             | 7.32 | 7.40 | 6.72 | 5.62 | 4.48 | 3.54 | 2.76 | 2.11    | 1.59 | 1.20 | 70.5 | 41.4 |     |
|                | -18               | 0.99 | 1.26 | 1.58 | 1.96 | 2.36 | 2.75 | 3.16 | 3.66             | 4.10 | 4.35 | 4.21 | 3.77 | 3.16 | 2.60 | 2.09 | 1.64    | 1.27 | 0.99 | 45.9 | 5.84 |     |
|                | -21               | 0.92 | 1.13 | 1.36 | 1.56 | 1.71 | 1.74 | 1.58 | 1.28             | 1.01 | 0.96 | 1.02 | 1.19 | 1.26 | 1.18 | 1.04 | 0.88    | 0.73 | 0.61 | 21.2 | 0.00 |     |
|                | -24               | 0.76 | 0.91 | 1.07 | 1.23 | 1.36 | 1.41 | 1.36 | 1.40             | 1.45 | 1.44 | 1.37 | 1.26 | 1.20 | 1.12 | 0.98 | 0.84    | 0.71 | 0.60 | 20.5 | 0.00 |     |
| -27            | -27               | -24  | -21  | -18  | -15  | -12  | -9   | -6   | HORIZONTAL (DEG) |      |      |      | 6    | 9    | 12   | 15   | 18      | 21   | 24   | 27   |      |     |
| Φ t            | 32.8              | 45.0 | 62.1 | 86.5 | 125  | 183  | 256  | 325  | 364              | 352  | 294  | 219  | 151  | 102  | 71.4 | 51.4 | 37.1    | 26.8 | 2783 | ---  |      |     |
| Φ a            | 0.00              | 5.30 | 26.8 | 60.4 | 104  | 167  | 243  | 314  | 357              | 344  | 284  | 206  | 131  | 75.6 | 47.8 | 9.82 | 0.00    | 0.00 | ---  | 2375 |      |     |

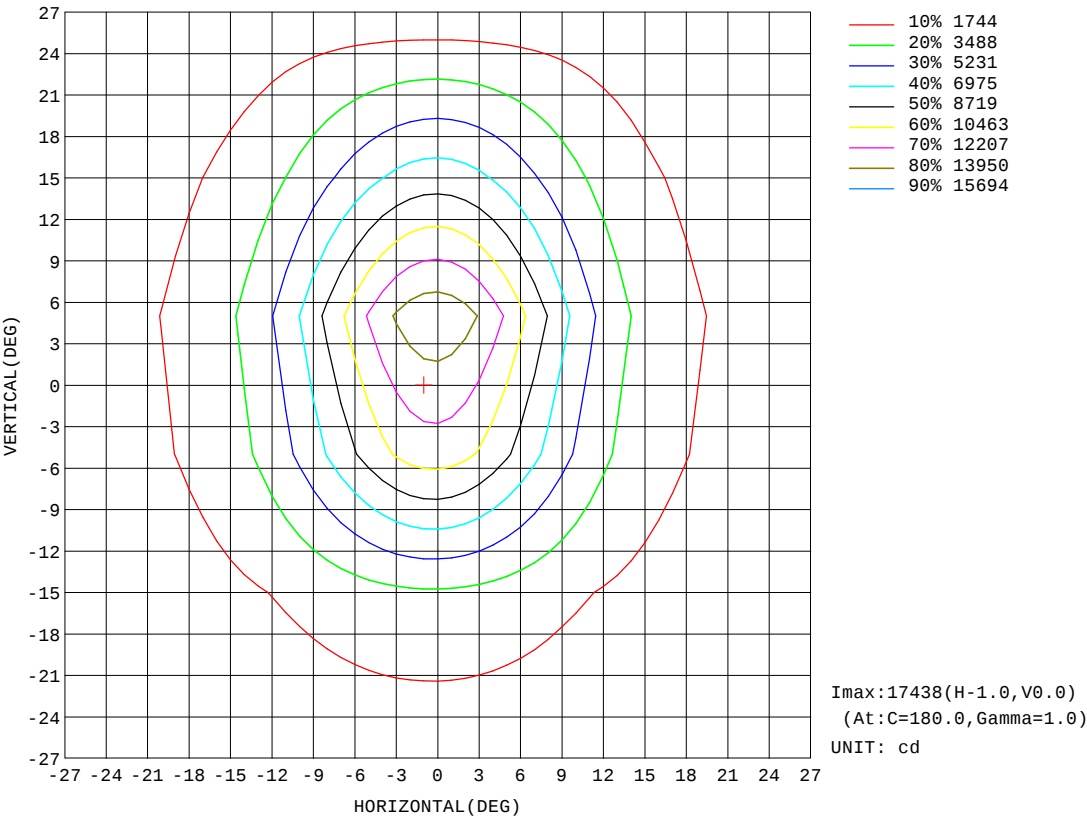
one-half-peak spread: U:6.8,D:14.3 , L:9.5,R:8.8 NEMA Beam Type: Type 3

H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:28.0DEG  
Operators:QC1  
Test Date:2024-05-22

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.275  
Humidity:83%  
Test Distance:8.300m [K=1.0000]  
Remarks:

ISOCANDELA DIAGRAM

|                                                                   |          |                        |
|-------------------------------------------------------------------|----------|------------------------|
| Test:U:241.3V I:0.2631A P:61.50W PF:0.9689 Lamp Flux:3279.34x1 lm |          |                        |
| NAME: 8.01.017.0075 20°LWW-WZB-W55-L12-RDM                        | TYPE:LED | WEIGHT:                |
| DIM.:                                                             | SPEC.:   | SERIAL No.:20240500093 |
| MFR.: TPK OPTOELECTRONIC TECH CO., LTD                            | SUR.:    | PROTECTION ANGLE:      |

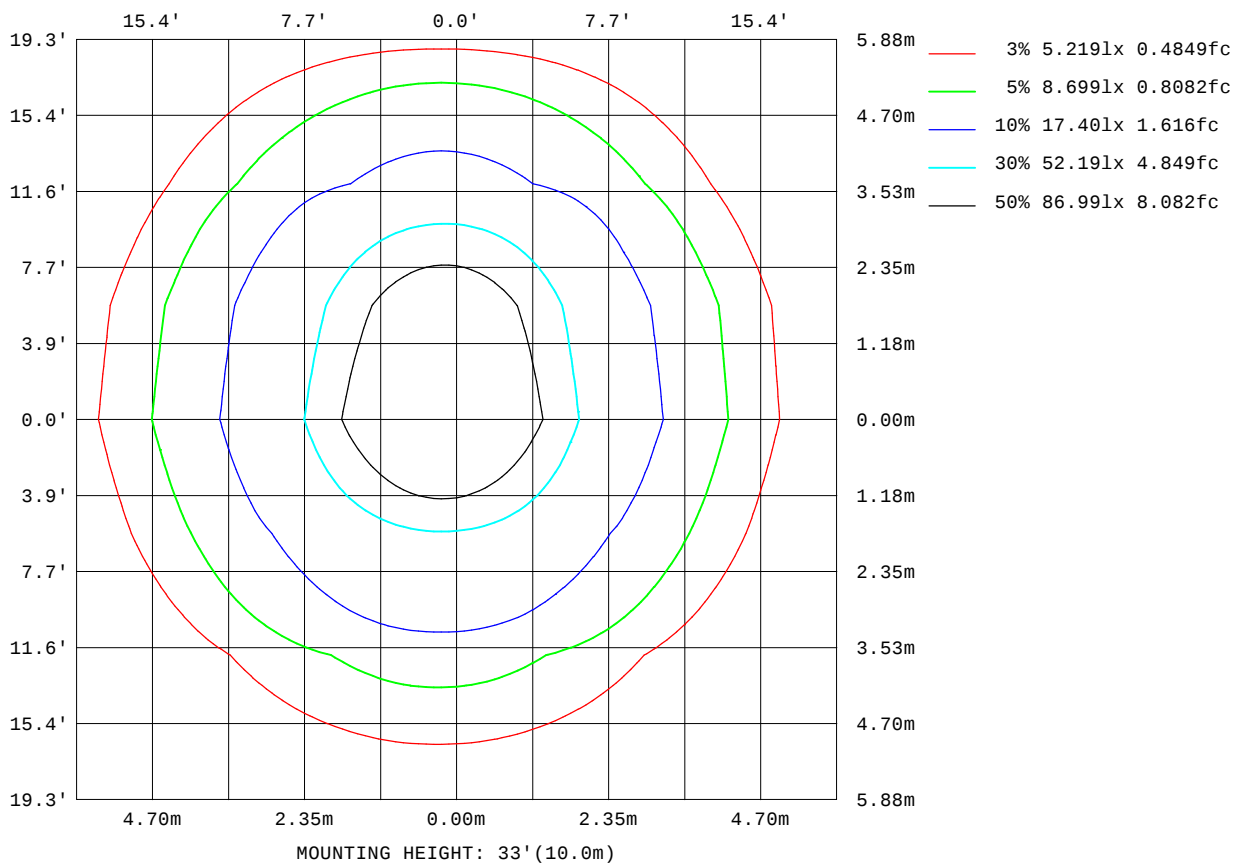


H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:28.0DEG  
Operators:QC1  
Test Date:2024-05-22

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.275  
Humidity:83%  
Test Distance:8.300m [K=1.0000]  
Remarks:

## ISOLUX DIAGRAM

|                                                                   |          |                        |
|-------------------------------------------------------------------|----------|------------------------|
| Test:U:241.3V I:0.2631A P:61.50W PF:0.9689 Lamp Flux:3279.34x1 lm |          |                        |
| NAME: 8.01.017.0075 20°LWW-WZB-W55-L12-RDM                        | TYPE:LED | WEIGHT:                |
| DIM.:                                                             | SPEC.:   | SERIAL No.:20240500093 |
| MFR.: TPK OPTOELECTRONIC TECH CO., LTD                            | SUR.:    | PROTECTION ANGLE:      |

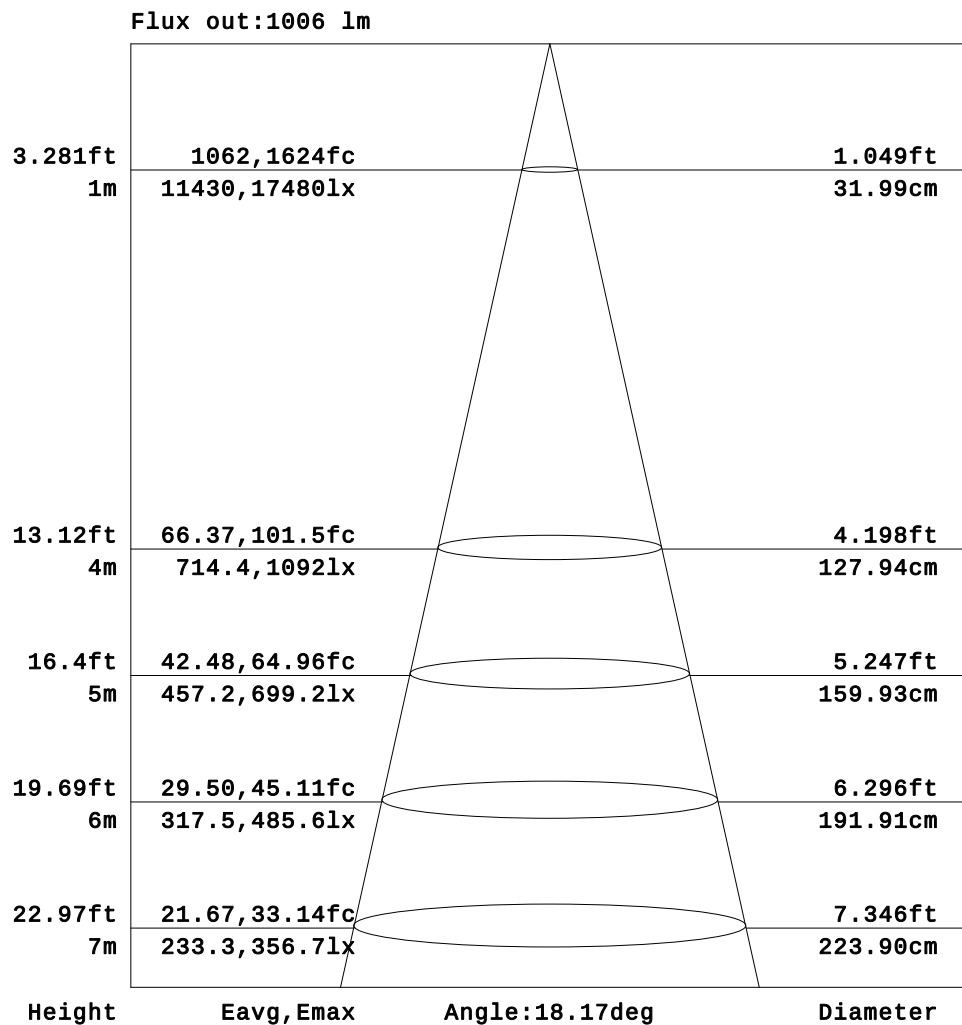


H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:28.0DEG  
Operators:QC1  
Test Date:2024-05-22

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.275  
Humidity:83%  
Test Distance:8.300m [K=1.0000]  
Remarks:

## AAI Figure

|                                                                   |          |                        |
|-------------------------------------------------------------------|----------|------------------------|
| Test:U:241.3V I:0.2631A P:61.50W PF:0.9689 Lamp Flux:3279.34x1 lm |          |                        |
| NAME: 8.01.017.0075 20°LWW-WZB-W55-L12-RDM                        | TYPE:LED | WEIGHT:                |
| DIM.:                                                             | SPEC.:   | SERIAL No.:20240500093 |
| MFR.: TPK OPTOELECTRONIC TECH CO., LTD                            | SUR.:    | PROTECTION ANGLE:      |

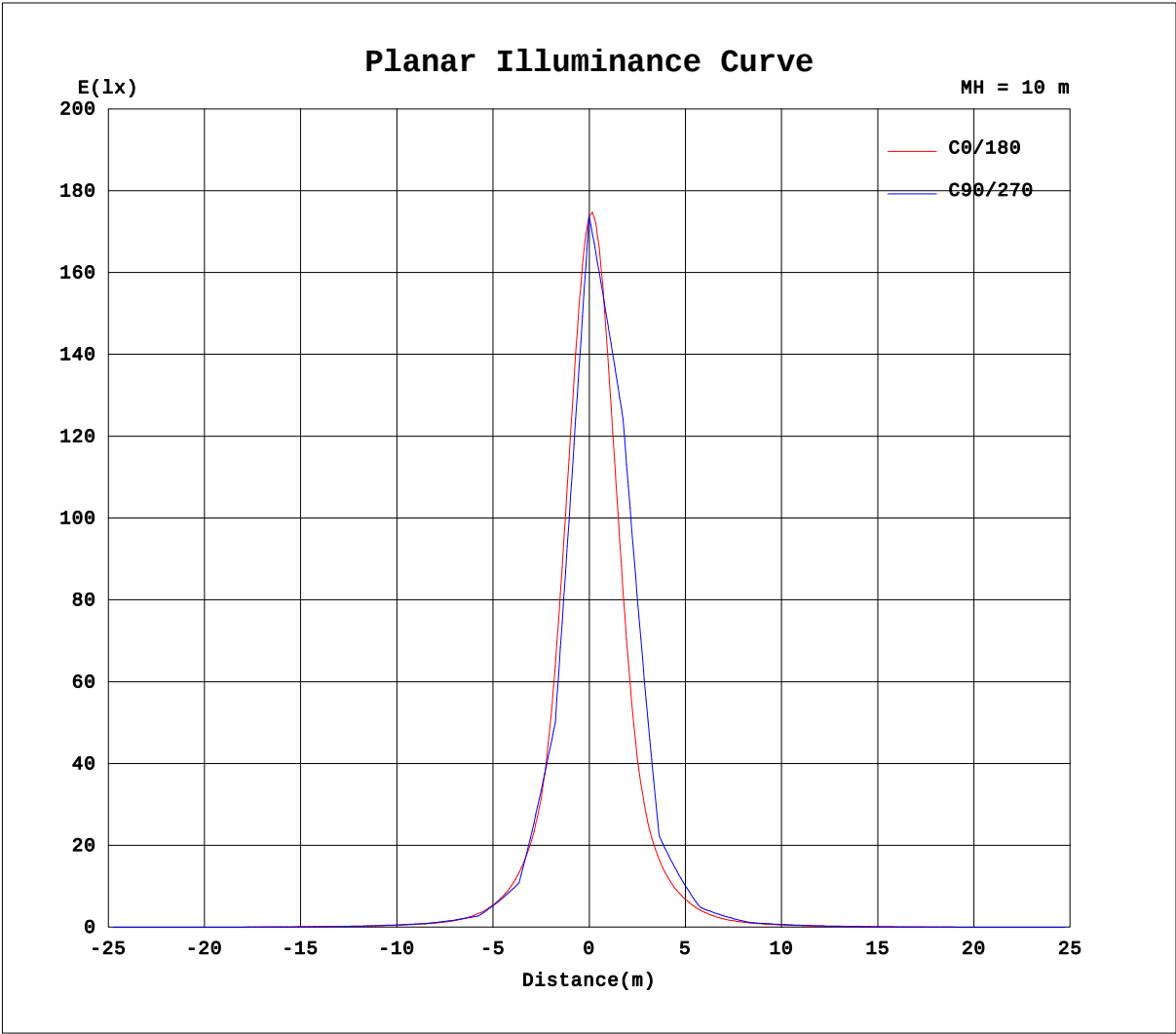


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:28.0DEG  
Operators:QC1  
Test Date:2024-05-22

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.275  
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:2024-05-22

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.275  
Humidity:83%  
Test Distance:8.300m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

|                                                                   |          |                        |
|-------------------------------------------------------------------|----------|------------------------|
| Test:U:241.3V I:0.2631A P:61.50W PF:0.9689 Lamp Flux:3279.34x1 lm |          |                        |
| NAME: 8.01.017.0075 20°LWW-WZB-W55-L12-RDM                        | TYPE:LED | WEIGHT:                |
| DIM.:                                                             | SPEC.:   | SERIAL No.:20240500093 |
| MFR.: TPK OPTOELECTRONIC TECH CO., LTD                            | SUR.:    | PROTECTION 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 | 0.04 | 0.29 | 0.47 | 0.60 | 0.78 | 0.94 | 1.02 | 1.10 | 1.16 |
| -70         | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.18 | 0.65 | 0.99 | 1.27 | 1.64 | 1.92 | 2.06 | 2.24 | 2.32 |      |
| -65         | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.26 | 0.81 | 1.32 | 1.71 | 2.44 | 2.96 | 3.29 | 3.76 | 4.19 | 4.37 | 4.58 | 4.74 |
| -60         | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.70 | 1.89 | 2.76 | 3.50 | 4.46 | 5.05 | 5.46 | 6.08 | 6.55 | 6.75 | 7.02 | 7.13 |
| -55         | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.52 | 1.42 | 2.87 | 4.00 | 4.88 | 6.10 | 7.02 | 7.66 | 8.40 | 9.08 | 9.54 | 9.91 | 10.1 |
| -50         | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.20 | 1.28 | 2.65 | 4.45 | 5.56 | 6.68 | 8.14 | 9.24 | 10.1 | 11.0 | 11.8 | 12.5 | 12.9 | 13.0 |
| -45         | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.57 | 1.87 | 3.41 | 5.13 | 6.58 | 7.96 | 9.75 | 11.3 | 13.0 | 14.7 | 16.0 | 17.1 | 17.9 | 18.0 |
| -40         | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 1.42 | 3.04 | 4.80 | 6.51 | 8.02 | 9.93 | 12.0 | 14.1 | 16.6 | 19.0 | 20.6 | 22.1 | 23.0 | 22.9 |
| -35         | 0.00 | 0.00 | 0.00 | 0.00 | 0.21 | 1.79 | 3.56 | 5.31 | 7.07 | 9.09 | 11.3 | 14.1 | 16.8 | 20.0 | 23.7 | 27.2 | 30.4 | 32.7 | 33.2 |
| -30         | 0.00 | 0.00 | 0.00 | 0.00 | 0.75 | 2.84 | 4.78 | 6.48 | 8.39 | 10.9 | 13.6 | 17.2 | 20.7 | 24.7 | 29.8 | 35.2 | 39.9 | 43.0 | 43.3 |
| -25         | 0.00 | 0.00 | 0.00 | 0.00 | 0.91 | 2.92 | 4.89 | 6.86 | 9.02 | 11.7 | 15.2 | 19.4 | 25.0 | 33.2 | 44.9 | 58.9 | 73.3 | 84.8 | 88.1 |
| -20         | 0.00 | 0.00 | 0.00 | 0.11 | 1.81 | 3.74 | 5.77 | 8.02 | 10.6 | 13.9 | 18.2 | 23.5 | 32.1 | 45.8 | 65.4 | 88.5 | 112  | 130  | 132  |
| -15         | 0.00 | 0.00 | 0.00 | 0.04 | 1.60 | 3.55 | 5.66 | 8.03 | 10.8 | 14.6 | 19.4 | 26.3 | 38.9 | 60.5 | 93.3 | 141  | 208  | 291  | 329  |
| -10         | 0.00 | 0.00 | 0.00 | 0.38 | 2.23 | 4.22 | 6.44 | 8.98 | 12.3 | 17.0 | 22.8 | 32.9 | 52.8 | 86.4 | 138  | 217  | 336  | 480  | 519  |
| -5          | 0.00 | 0.00 | 0.00 | 0.13 | 1.93 | 3.92 | 6.14 | 8.66 | 11.9 | 16.5 | 22.4 | 33.3 | 54.9 | 93.2 | 157  | 282  | 555  | 937  | 1135 |
| 0           | 0.00 | 0.00 | 0.00 | 0.53 | 2.43 | 4.57 | 6.81 | 9.44 | 13.0 | 18.1 | 25.1 | 40.2 | 69.3 | 120  | 213  | 424  | 922  | 1531 | 1717 |
| 5           | 0.00 | 0.00 | 0.00 | 0.13 | 1.99 | 3.96 | 6.16 | 8.63 | 11.9 | 16.6 | 22.7 | 34.6 | 58.7 | 102  | 177  | 330  | 700  | 1237 | 1523 |
| 10          | 0.00 | 0.00 | 0.00 | 0.38 | 2.27 | 4.25 | 6.42 | 8.96 | 12.3 | 17.2 | 23.6 | 36.4 | 61.9 | 107  | 184  | 336  | 686  | 1135 | 1289 |
| 15          | 0.00 | 0.00 | 0.00 | 0.05 | 1.71 | 3.57 | 5.66 | 8.01 | 10.9 | 15.1 | 20.3 | 28.8 | 46.3 | 77.4 | 129  | 216  | 395  | 650  | 786  |
| 20          | 0.00 | 0.00 | 0.00 | 0.15 | 1.86 | 3.70 | 5.79 | 8.12 | 10.9 | 14.8 | 19.5 | 26.5 | 40.6 | 64.8 | 101  | 148  | 203  | 255  | 268  |
| 25          | 0.00 | 0.00 | 0.00 | 0.00 | 1.22 | 2.93 | 4.92 | 7.01 | 9.33 | 12.4 | 16.2 | 21.2 | 29.6 | 43.7 | 65.6 | 94.5 | 128  | 160  | 173  |
| 30          | 0.00 | 0.00 | 0.00 | 0.00 | 1.24 | 2.91 | 4.89 | 6.77 | 8.81 | 11.3 | 14.6 | 18.4 | 23.1 | 30.3 | 40.9 | 53.7 | 65.9 | 74.4 | 75.8 |
| 35          | 0.00 | 0.00 | 0.00 | 0.00 | 0.60 | 2.15 | 3.86 | 5.60 | 7.32 | 9.35 | 11.8 | 14.8 | 18.2 | 22.7 | 29.1 | 36.8 | 44.3 | 49.9 | 51.6 |
| 40          | 0.00 | 0.00 | 0.00 | 0.00 | 0.58 | 2.05 | 3.56 | 5.09 | 6.59 | 8.27 | 10.1 | 12.4 | 14.8 | 17.4 | 20.2 | 23.0 | 25.4 | 26.9 | 27.0 |
| 45          | 0.00 | 0.00 | 0.00 | 0.00 | 0.14 | 1.18 | 2.51 | 3.89 | 5.28 | 6.69 | 8.10 | 9.80 | 11.7 | 13.6 | 15.7 | 17.8 | 19.7 | 20.9 | 21.3 |
| 50          | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.85 | 2.04 | 3.21 | 4.55 | 5.66 | 6.70 | 7.95 | 9.29 | 10.7 | 12.2 | 13.5 | 14.7 | 15.3 | 15.4 |
| 55          | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.31 | 1.05 | 2.11 | 3.21 | 4.18 | 5.09 | 6.21 | 7.27 | 8.29 | 9.44 | 10.4 | 11.2 | 11.8 | 12.0 |
| 60          | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 1.43 | 2.30 | 3.05 | 3.90 | 4.91 | 5.66 | 6.33 | 7.15 | 7.71 | 8.08 | 8.41 | 8.52 |
| 65          | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.62 | 1.07 | 1.68 | 2.33 | 3.09 | 3.71 | 4.21 | 4.83 | 5.32 | 5.61 | 5.88 | 6.03 |
| 70          | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.56 | 1.06 | 1.56 | 1.96 | 2.33 | 2.75 | 3.06 | 3.24 | 3.44 | 3.52 |
| 75          | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.23 | 0.48 | 0.73 | 0.95 | 1.12 | 1.33 | 1.51 | 1.60 | 1.70 | 1.76 |
| 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:2024-05-22

V(β) Range:-80 - 80DEG  
V(β) Interval: 5.0DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.275  
Humidity:83%  
Test Distance:8.300m [K=1.0000]  
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

|                                                                   |          |                        |
|-------------------------------------------------------------------|----------|------------------------|
| Test:U:241.3V I:0.2631A P:61.50W PF:0.9689 Lamp Flux:3279.34x1 lm |          |                        |
| NAME: 8.01.017.0075 20°LWW-WZB-W55-L12-RDM                        | TYPE:LED | WEIGHT:                |
| DIM.:                                                             | SPEC.:   | SERIAL No.:20240500093 |
| MFR.: TPK OPTOELECTRONIC TECH CO., LTD                            | SUR.:    | PROTECTION 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         | 1.07 | 0.90 | 0.78 | 0.59 | 0.36 | 0.17 | 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         | 2.06 | 1.75 | 1.50 | 1.08 | 0.65 | 0.26 | 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         | 4.49 | 4.09 | 3.81 | 3.30 | 2.67 | 2.21 | 1.73 | 1.28 | 0.95 | 0.60 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00        | 0.00 |  |
| -60         | 6.74 | 6.32 | 5.98 | 5.25 | 4.48 | 3.98 | 3.28 | 2.41 | 1.79 | 1.01 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00        | 0.00 |  |
| -55         | 9.71 | 9.12 | 8.50 | 7.68 | 6.73 | 5.98 | 5.13 | 4.12 | 3.32 | 2.34 | 1.18 | 0.45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00        | 0.00 |  |
| -50         | 12.5 | 11.7 | 10.7 | 9.71 | 8.66 | 7.69 | 6.57 | 5.49 | 4.52 | 3.22 | 1.95 | 0.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00        | 0.00 |  |
| -45         | 17.5 | 16.4 | 14.9 | 13.4 | 11.7 | 10.2 | 8.59 | 7.10 | 5.90 | 4.49 | 3.03 | 1.74 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00        | 0.00 |  |
| -40         | 22.1 | 20.5 | 18.5 | 16.4 | 14.1 | 12.0 | 9.96 | 8.19 | 6.78 | 5.14 | 3.58 | 2.31 | 0.73 | 0.00 | 0.00 | 0.00 | 0.00        | 0.00 |  |
| -35         | 31.9 | 29.0 | 25.3 | 21.5 | 18.2 | 15.3 | 12.6 | 10.1 | 8.20 | 6.44 | 4.78 | 3.27 | 1.65 | 0.20 | 0.00 | 0.00 | 0.00        | 0.00 |  |
| -30         | 40.8 | 36.1 | 30.4 | 25.1 | 21.0 | 17.5 | 14.1 | 11.1 | 8.92 | 7.03 | 5.35 | 3.60 | 1.90 | 0.11 | 0.00 | 0.00 | 0.00        | 0.00 |  |
| -25         | 81.8 | 68.7 | 53.8 | 40.0 | 29.5 | 22.4 | 17.6 | 13.8 | 10.7 | 8.29 | 6.29 | 4.37 | 2.52 | 0.75 | 0.00 | 0.00 | 0.00        | 0.00 |  |
| -20         | 118  | 95.5 | 71.3 | 50.1 | 34.6 | 25.1 | 19.5 | 15.2 | 11.4 | 8.69 | 6.46 | 4.37 | 2.45 | 0.76 | 0.00 | 0.00 | 0.00        | 0.00 |  |
| -15         | 278  | 193  | 130  | 84.1 | 53.4 | 34.3 | 23.6 | 17.8 | 13.3 | 9.98 | 7.40 | 5.16 | 3.13 | 1.36 | 0.00 | 0.00 | 0.00        | 0.00 |  |
| -10         | 404  | 262  | 167  | 104  | 62.9 | 38.2 | 24.8 | 18.4 | 13.7 | 10.1 | 7.42 | 5.11 | 3.05 | 1.27 | 0.00 | 0.00 | 0.00        | 0.00 |  |
| -5          | 893  | 506  | 254  | 143  | 83.4 | 48.5 | 29.6 | 20.7 | 15.4 | 11.2 | 8.16 | 5.75 | 3.60 | 1.74 | 0.01 | 0.00 | 0.00        | 0.00 |  |
| 0           | 1227 | 619  | 283  | 154  | 86.8 | 49.2 | 29.6 | 20.6 | 15.1 | 10.8 | 7.86 | 5.50 | 3.33 | 1.46 | 0.00 | 0.00 | 0.00        | 0.00 |  |
| 5           | 1197 | 653  | 301  | 163  | 93.1 | 53.1 | 31.7 | 21.5 | 15.8 | 11.4 | 8.29 | 5.87 | 3.70 | 1.80 | 0.02 | 0.00 | 0.00        | 0.00 |  |
| 10          | 949  | 500  | 245  | 138  | 79.7 | 45.9 | 28.2 | 19.8 | 14.6 | 10.5 | 7.66 | 5.34 | 3.22 | 1.38 | 0.00 | 0.00 | 0.00        | 0.00 |  |
| 15          | 641  | 381  | 204  | 120  | 71.5 | 42.8 | 27.3 | 19.5 | 14.5 | 10.6 | 7.74 | 5.45 | 3.36 | 1.55 | 0.01 | 0.00 | 0.00        | 0.00 |  |
| 20          | 229  | 172  | 120  | 78.1 | 49.1 | 31.7 | 22.3 | 17.0 | 12.6 | 9.33 | 6.83 | 4.69 | 2.72 | 1.00 | 0.00 | 0.00 | 0.00        | 0.00 |  |
| 25          | 156  | 122  | 89.3 | 61.1 | 40.6 | 27.9 | 20.5 | 15.9 | 12.0 | 9.07 | 6.78 | 4.74 | 2.79 | 1.11 | 0.00 | 0.00 | 0.00        | 0.00 |  |
| 30          | 69.9 | 58.9 | 46.1 | 34.6 | 25.9 | 20.5 | 16.6 | 13.2 | 10.2 | 7.82 | 5.89 | 3.98 | 2.15 | 0.55 | 0.00 | 0.00 | 0.00        | 0.00 |  |
| 35          | 48.9 | 42.8 | 35.2 | 28.0 | 22.1 | 17.9 | 14.6 | 11.8 | 9.29 | 7.21 | 5.45 | 3.73 | 2.07 | 0.51 | 0.00 | 0.00 | 0.00        | 0.00 |  |
| 40          | 25.9 | 23.7 | 21.3 | 18.8 | 16.3 | 13.9 | 11.5 | 9.34 | 7.52 | 5.87 | 4.33 | 2.79 | 1.35 | 0.00 | 0.00 | 0.00 | 0.00        | 0.00 |  |
| 45          | 20.7 | 19.3 | 17.5 | 15.7 | 13.7 | 11.8 | 9.93 | 8.20 | 6.67 | 5.15 | 3.71 | 2.38 | 1.09 | 0.07 | 0.00 | 0.00 | 0.00        | 0.00 |  |
| 50          | 15.0 | 14.1 | 13.0 | 11.7 | 10.3 | 8.96 | 7.67 | 6.43 | 5.21 | 3.83 | 2.55 | 1.46 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00        | 0.00 |  |
| 55          | 11.8 | 11.2 | 10.5 | 9.57 | 8.53 | 7.48 | 6.35 | 5.19 | 4.16 | 3.08 | 1.93 | 0.89 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00        | 0.00 |  |
| 60          | 8.34 | 8.04 | 7.63 | 6.98 | 6.32 | 5.57 | 4.56 | 3.53 | 2.69 | 1.87 | 0.87 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00        | 0.00 |  |
| 65          | 5.91 | 5.68 | 5.39 | 4.91 | 4.38 | 3.85 | 3.16 | 2.34 | 1.59 | 1.02 | 0.54 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00        | 0.00 |  |
| 70          | 3.40 | 3.22 | 3.00 | 2.62 | 2.23 | 1.90 | 1.43 | 0.85 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00        | 0.00 |  |
| 75          | 1.72 | 1.63 | 1.53 | 1.35 | 1.15 | 0.98 | 0.77 | 0.49 | 0.17 | 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:2024-05-22

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.275  
Humidity:83%  
Test Distance:8.300m [K=1.0000]  
Remarks: