

## Floodlight Summary:

Report based on lamp delivering 1000 lumens.

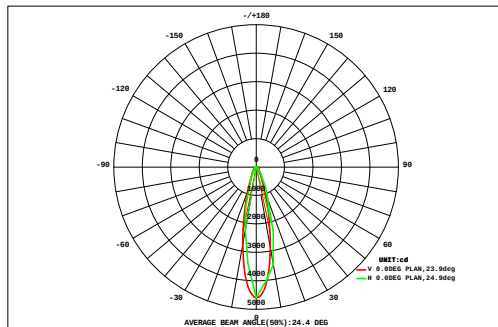
|                                                         |                |                                                                      |
|---------------------------------------------------------|----------------|----------------------------------------------------------------------|
| Maximum Intensity<br>(Luminaire orientation as tested.) |                | 3331.1 cd per klm.<br>0.0 degrees vertical<br>0.0 degrees horizontal |
| Beam Spread                                             | At 10% of Imax | 54.2V x 51.6H                                                        |
|                                                         | At 50% of Imax | 24.9V x 23.9H                                                        |
|                                                         | At 90% of Imax | 6.8V x 9.3H                                                          |
| Beam Flux                                               | Total          | 999.8 lumens per klm.                                                |
|                                                         | To 10% of Imax | 708.8 lumens per klm.                                                |
|                                                         | To 50% of Imax | 320.1 lumens per klm.                                                |
|                                                         | To 90% of Imax | 37.6 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:2024-04-24

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:220.5V I:0.2412A P:32.90W PF:0.6186 Lamp Flux:1376.35x1 lm |          |                         |
| NAME: 8.01.017.0068 30°LWW-WZB-W55-L6-RDM                         | TYPE:LED | WEIGHT:                 |
| DIM.:                                                             | SPEC.:   | SERIAL No.:202404000057 |
| MFR.: TPK OPTOELECTRONIC TECH CO., LTD                            | SUR.:    | PROTECTION ANGLE:       |



| DATA OF LAMP             |         | Eff:41.83lm/W   |           |
|--------------------------|---------|-----------------|-----------|
| MODEL LWW-WZB-W55-L6-RDM |         | Imax(cd)        | 4585      |
| NOMINAL POWER(W)         | 32      | AVAILABILITY(%) | 70.7      |
| RATED VOLTAGE(V)         | 220     | Avai. FLUX(lm)  | 973.0     |
| NOMINAL FLUX(lm)         | 1376.35 | LOR(%)          | 100.0     |
| LAMPS INSIDE             | 1       | TOTAL FLUX(lm)  | 1376      |
| TEST VOLTAGE(V)          | 220.5   | θ @50%(H,V)     | 24, 25DEG |

| VERTICAL (DEG) | AREA FLUX DIAGRAM |      |      |      |      |      |      |      |                   |      |      |      |      |      |      |      | UNIT:lm |      |      |      | Φ t  | Φ a |
|----------------|-------------------|------|------|------|------|------|------|------|-------------------|------|------|------|------|------|------|------|---------|------|------|------|------|-----|
|                | 0.35              | 0.45 | 0.56 | 0.68 | 0.81 | 0.93 | 1.04 | 1.13 | 1.18              | 1.19 | 1.15 | 1.07 | 0.97 | 0.85 | 0.72 | 0.60 | 0.49    | 0.38 | 14.6 | 0.00 |      |     |
|                | 40                | 0.44 | 0.57 | 0.70 | 0.85 | 1.01 | 1.18 | 1.32 | 1.43              | 1.49 | 1.48 | 1.41 | 1.30 | 1.15 | 0.99 | 0.82 | 0.67    | 0.54 | 0.42 | 17.8 | 0.00 |     |
|                | 35                | 0.47 | 0.62 | 0.81 | 1.04 | 1.31 | 1.62 | 1.96 | 2.27              | 2.48 | 2.52 | 2.38 | 2.09 | 1.74 | 1.41 | 1.12 | 0.88    | 0.68 | 0.52 | 25.9 | 0.00 |     |
|                | 30                | 0.57 | 0.76 | 1.00 | 1.32 | 1.69 | 2.14 | 2.62 | 3.04              | 3.30 | 3.29 | 3.01 | 2.56 | 2.06 | 1.62 | 1.25 | 0.95    | 0.72 | 0.54 | 32.4 | 1.86 |     |
|                | 25                | 0.58 | 0.80 | 1.10 | 1.53 | 2.16 | 3.08 | 4.37 | 5.91              | 7.19 | 7.47 | 6.56 | 5.04 | 3.57 | 2.48 | 1.74 | 1.24    | 0.89 | 0.64 | 56.4 | 39.6 |     |
|                | 20                | 0.70 | 0.98 | 1.38 | 1.98 | 2.93 | 4.36 | 6.38 | 8.70              | 10.4 | 10.3 | 8.56 | 6.19 | 4.17 | 2.77 | 1.87 | 1.30    | 0.91 | 0.65 | 74.5 | 59.9 |     |
|                | 15                | 0.66 | 0.95 | 1.37 | 2.05 | 3.26 | 5.50 | 9.55 | 15.3              | 20.6 | 21.9 | 18.4 | 12.5 | 7.39 | 4.22 | 2.54 | 1.62    | 1.09 | 0.76 | 130  | 117  |     |
|                | 10                | 0.78 | 1.14 | 1.71 | 2.68 | 4.52 | 8.12 | 14.7 | 23.3              | 29.9 | 29.7 | 23.3 | 14.6 | 8.02 | 4.36 | 2.54 | 1.58    | 1.06 | 0.73 | 173  | 161  |     |
|                | 5                 | 0.69 | 1.00 | 1.48 | 2.30 | 3.82 | 6.88 | 12.7 | 21.7              | 30.1 | 32.6 | 27.4 | 18.1 | 10.0 | 5.28 | 2.97 | 1.82    | 1.19 | 0.80 | 181  | 169  |     |
|                | 0                 | 0.79 | 1.15 | 1.75 | 2.84 | 4.96 | 9.31 | 17.3 | 28.0              | 35.9 | 35.6 | 27.3 | 16.6 | 8.62 | 4.50 | 2.57 | 1.61    | 1.07 | 0.72 | 201  | 189  |     |
|                | -5                | 0.66 | 0.93 | 1.34 | 2.00 | 3.11 | 5.12 | 8.73 | 14.2              | 19.6 | 21.7 | 18.9 | 13.1 | 7.79 | 4.41 | 2.63 | 1.66    | 1.11 | 0.77 | 128  | 115  |     |
|                | -10               | 0.70 | 1.00 | 1.44 | 2.12 | 3.23 | 5.03 | 7.69 | 10.7              | 12.6 | 12.3 | 9.86 | 6.79 | 4.45 | 2.92 | 1.94 | 1.32    | 0.92 | 0.66 | 85.7 | 71.8 |     |
|                | -15               | 0.57 | 0.78 | 1.07 | 1.48 | 2.06 | 2.94 | 4.21 | 5.90              | 7.55 | 8.25 | 7.53 | 5.81 | 4.02 | 2.70 | 1.85 | 1.29    | 0.92 | 0.66 | 59.6 | 43.3 |     |
|                | -20               | 0.58 | 0.78 | 1.04 | 1.36 | 1.77 | 2.20 | 2.52 | 2.57              | 2.39 | 2.20 | 2.03 | 1.98 | 1.83 | 1.55 | 1.24 | 0.97    | 0.72 | 0.54 | 28.3 | 4.02 |     |
|                | -25               | 0.46 | 0.61 | 0.79 | 1.01 | 1.28 | 1.61 | 1.98 | 2.36              | 2.67 | 2.79 | 2.65 | 2.31 | 1.90 | 1.51 | 1.18 | 0.91    | 0.70 | 0.53 | 27.3 | 0.00 |     |
|                | -30               | 0.44 | 0.57 | 0.71 | 0.86 | 1.02 | 1.14 | 1.21 | 1.23              | 1.19 | 1.15 | 1.14 | 1.11 | 1.05 | 0.94 | 0.81 | 0.67    | 0.54 | 0.42 | 16.2 | 0.00 |     |
|                | -35               | 0.35 | 0.45 | 0.56 | 0.68 | 0.81 | 0.94 | 1.06 | 1.16              | 1.23 | 1.25 | 1.22 | 1.13 | 1.02 | 0.89 | 0.75 | 0.62    | 0.50 | 0.39 | 15.0 | 0.00 |     |
|                | -40               | 0.31 | 0.40 | 0.48 | 0.56 | 0.63 | 0.70 | 0.74 | 0.76              | 0.77 | 0.76 | 0.74 | 0.71 | 0.66 | 0.60 | 0.53 | 0.46    | 0.38 | 0.30 | 10.5 | 0.00 |     |
|                | -45               | -40  | -35  | -30  | -25  | -20  | -15  | -10  | HORIZONTAL( DEG ) |      |      |      |      |      | 10   | 15   | 20      | 25   | 30   | 35   | 40   | 45  |
| Φ t            | 10.1              | 13.9 | 19.3 | 27.3 | 40.4 | 62.8 | 100  | 150  | 191               | 196  | 164  | 113  | 70.4 | 44.0 | 29.1 | 20.2 | 14.4    | 10.4 | 1276 | ---  |      |     |
| Φ a            | 0.00              | 0.00 | 0.00 | 1.48 | 18.2 | 46.1 | 85.0 | 135  | 176               | 182  | 149  | 99.1 | 56.2 | 24.1 | 2.40 | 0.00 | 0.00    | 0.00 | ---  | 973  |      |     |

one-half-peak spread: U:9.9,D:15.2 , L:11.8,R:12.3

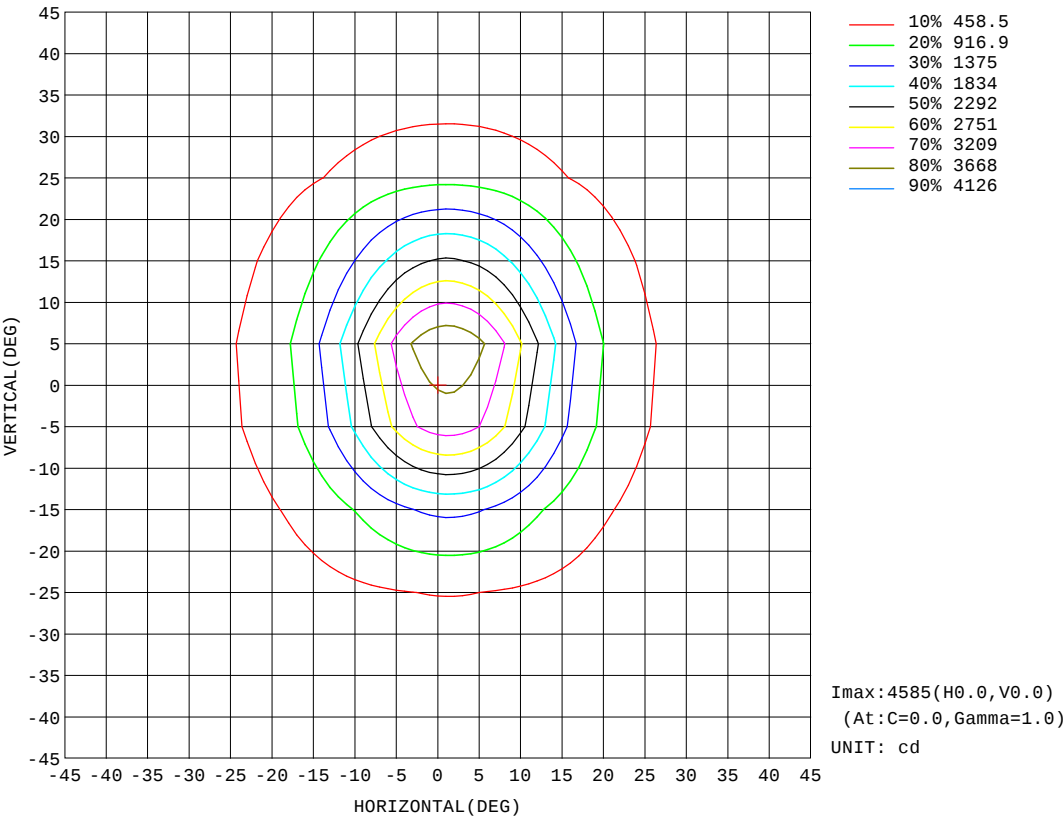
NEMA Beam Type: Type 4

H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:28.0DEG  
Operators:QC1  
Test Date:2024-04-24

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:220.5V I:0.2412A P:32.90W PF:0.6186 Lamp Flux:1376.35x1 lm |          |                         |
| NAME: 8.01.017.0068 30°LWW-WZB-W55-L6-RDM                         | TYPE:LED | WEIGHT:                 |
| DIM.:                                                             | SPEC.:   | SERIAL No.:202404000057 |
| MFR.: TPK OPTOELECTRONIC TECH CO., LTD                            | SUR.:    | PROTECTION ANGLE:       |

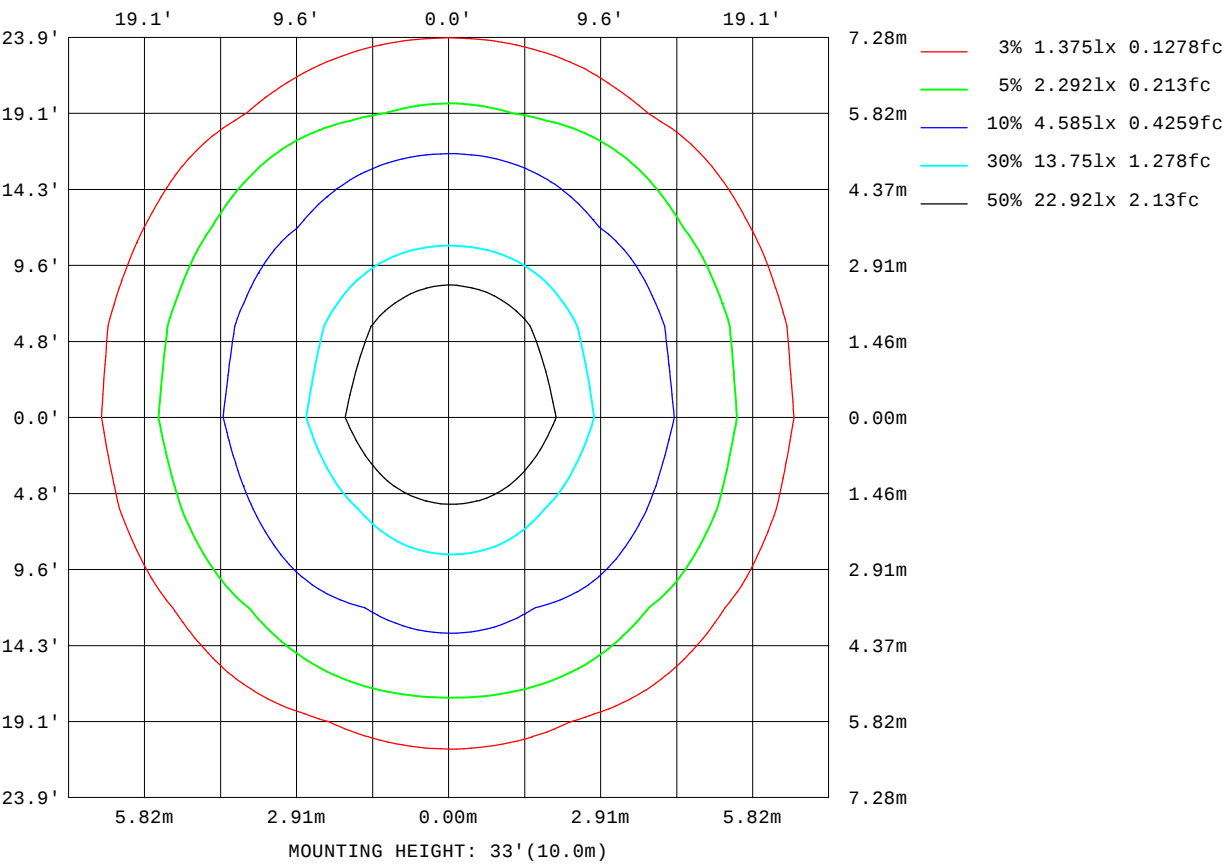


H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:28.0DEG  
Operators:QC1  
Test Date:2024-04-24

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:220.5V I:0.2412A P:32.90W PF:0.6186 Lamp Flux:1376.35x1 lm |          |                         |
| NAME: 8.01.017.0068 30°LWW-WZB-W55-L6-RDM                         | TYPE:LED | WEIGHT:                 |
| DIM.:                                                             | SPEC.:   | SERIAL No.:202404000057 |
| MFR.: TPK OPTOELECTRONIC TECH CO., LTD                            | SUR.:    | PROTECTION ANGLE:       |

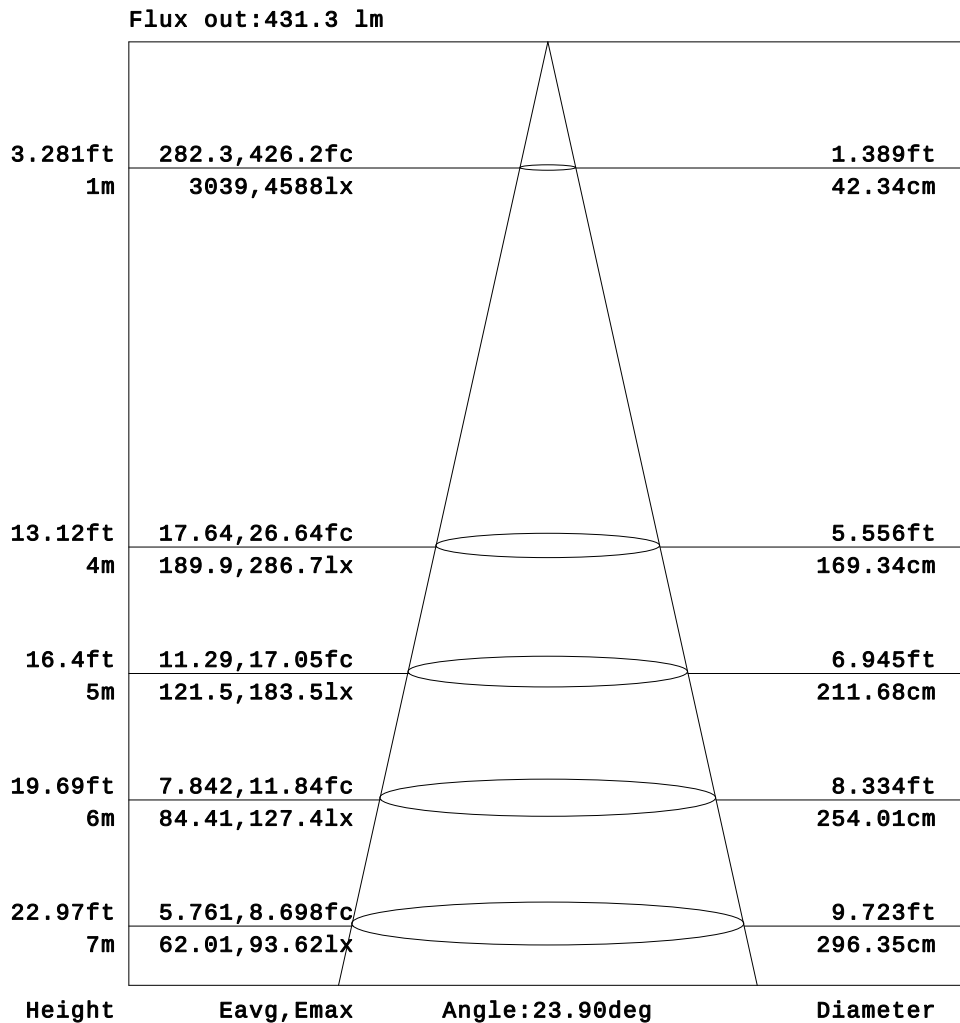


H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:28.0DEG  
Operators:QC1  
Test Date:2024-04-24

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:220.5V I:0.2412A P:32.90W PF:0.6186 Lamp Flux:1376.35x1 lm |          |                         |
| NAME: 8.01.017.0068 30°LWW-WZB-W55-L6-RDM                         | TYPE:LED | WEIGHT:                 |
| DIM.:                                                             | SPEC.:   | SERIAL No.:202404000057 |
| MFR.: TPK OPTOELECTRONIC TECH CO., LTD                            | SUR.:    | PROTECTION ANGLE:       |

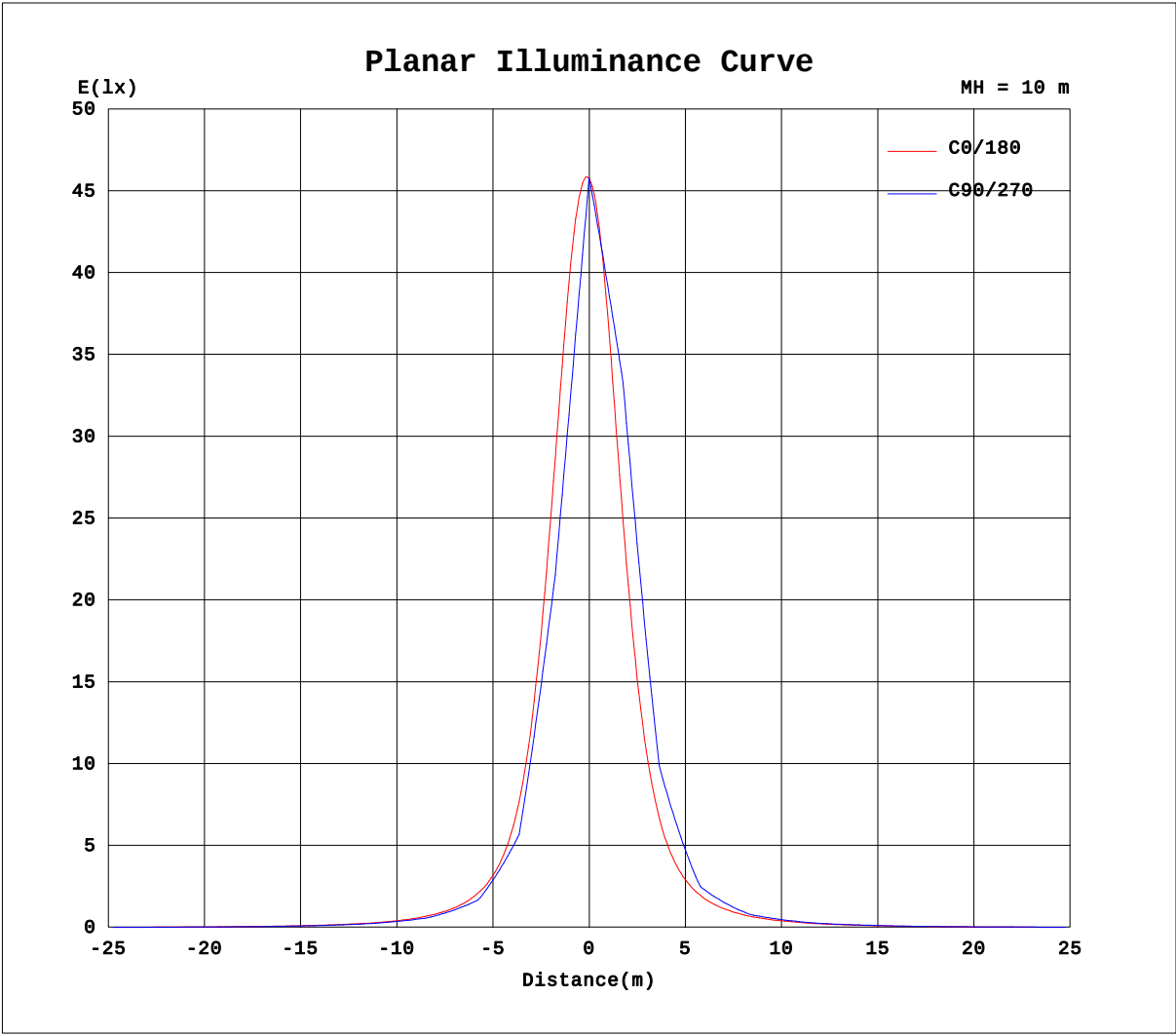


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:28.0DEG  
Operators:QC1  
Test Date:2024-04-24

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:2024-04-24

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:220.5V I:0.2412A P:32.90W PF:0.6186 Lamp Flux:1376.35x1 lm |          |                         |
| NAME: 8.01.017.0068 30°LWW-WZB-W55-L6-RDM                         | TYPE:LED | WEIGHT:                 |
| DIM.:                                                             | SPEC.:   | SERIAL No.:202404000057 |
| MFR.: TPK OPTOELECTRONIC TECH CO., LTD                            | SUR.:    | PROTECTION ANGLE:       |

|             |      |      |      |      |      |      |      |      |      |      |       |      |      |      |      |      |          |      |      |
|-------------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|----------|------|------|
| Table--1    |      |      |      |      |      |      |      |      |      |      |       |      |      |      |      |      | UNIT: cd |      |      |
| 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 | 0.35 | 1.94 | 2.88 | 3.61     | 4.13 | 4.40 |
| -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 | 1.75 | 4.27 | 6.09 | 7.46     | 8.40 | 8.83 |
| -65         | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.15 | 3.64 | 6.45  | 10.2 | 13.1 | 15.6 | 19.0 | 21.4 | 23.1     | 24.4 | 24.9 |
| -60         | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.13 | 8.37 | 14.3  | 21.9 | 27.2 | 31.3 | 34.7 | 37.4 | 39.4     | 40.6 | 41.1 |
| -55         | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.16 | 6.57 | 11.1 | 17.8 | 26.3  | 33.9 | 40.3 | 45.6 | 50.0 | 53.7 | 56.4     | 58.1 | 58.9 |
| -50         | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.12 | 14.7 | 21.3 | 30.6 | 41.3  | 48.8 | 55.7 | 61.8 | 67.0 | 71.1 | 74.2     | 76.1 | 76.7 |
| -45         | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.73 | 10.8 | 21.2 | 30.5 | 40.4 | 51.6  | 61.0 | 70.0 | 78.7 | 86.7 | 93.7 | 99.3     | 103  | 105  |
| -40         | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.77 | 19.7 | 31.6 | 43.3 | 54.7 | 65.8  | 76.8 | 87.9 | 98.9 | 109  | 119  | 126      | 131  | 133  |
| -35         | 0.00 | 0.00 | 0.00 | 0.00 | 0.42 | 9.72 | 22.8 | 36.0 | 49.1 | 62.0 | 75.4  | 89.8 | 106  | 123  | 142  | 160  | 177      | 190  | 196  |
| -30         | 0.00 | 0.00 | 0.00 | 0.00 | 3.02 | 16.8 | 31.3 | 45.7 | 59.9 | 74.6 | 90.6  | 109  | 131  | 155  | 182  | 209  | 234      | 252  | 259  |
| -25         | 0.00 | 0.00 | 0.00 | 0.00 | 3.33 | 17.8 | 33.1 | 48.5 | 64.1 | 80.7 | 100.0 | 124  | 154  | 193  | 243  | 304  | 373      | 437  | 471  |
| -20         | 0.00 | 0.00 | 0.00 | 0.00 | 8.86 | 24.8 | 41.1 | 57.6 | 74.6 | 94.0 | 118   | 150  | 192  | 248  | 328  | 427  | 540      | 641  | 686  |
| -15         | 0.00 | 0.00 | 0.00 | 0.00 | 7.36 | 23.8 | 40.7 | 57.9 | 75.8 | 96.6 | 123   | 161  | 215  | 295  | 425  | 631  | 930      | 1263 | 1463 |
| -10         | 0.00 | 0.00 | 0.00 | 0.01 | 12.2 | 29.5 | 47.2 | 65.1 | 84.7 | 109  | 142   | 191  | 265  | 385  | 591  | 941  | 1457     | 1998 | 2260 |
| -5          | 0.00 | 0.00 | 0.00 | 0.00 | 9.89 | 27.3 | 45.3 | 63.5 | 83.2 | 107  | 141   | 191  | 269  | 403  | 653  | 1126 | 1909     | 2849 | 3398 |
| 0           | 0.00 | 0.00 | 0.00 | 0.00 | 14.3 | 32.3 | 50.5 | 69.4 | 90.4 | 118  | 156   | 216  | 317  | 498  | 860  | 1574 | 2735     | 4015 | 4585 |
| 5           | 0.00 | 0.00 | 0.00 | 0.00 | 10.4 | 28.0 | 46.2 | 64.7 | 84.8 | 110  | 145   | 198  | 282  | 430  | 713  | 1266 | 2212     | 3344 | 4009 |
| 10          | 0.00 | 0.00 | 0.00 | 0.01 | 13.3 | 31.1 | 49.1 | 67.7 | 88.2 | 114  | 152   | 207  | 294  | 447  | 734  | 1271 | 2140     | 3055 | 3491 |
| 15          | 0.00 | 0.00 | 0.00 | 0.00 | 8.83 | 25.9 | 43.5 | 61.4 | 80.5 | 103  | 134   | 178  | 244  | 350  | 535  | 859  | 1379     | 1971 | 2326 |
| 20          | 0.00 | 0.00 | 0.00 | 0.00 | 10.9 | 27.7 | 44.9 | 62.4 | 80.9 | 103  | 131   | 171  | 227  | 312  | 438  | 621  | 860      | 1090 | 1193 |
| 25          | 0.00 | 0.00 | 0.00 | 0.00 | 5.40 | 21.1 | 37.5 | 54.0 | 71.0 | 89.7 | 113   | 143  | 184  | 240  | 319  | 428  | 567      | 708  | 786  |
| 30          | 0.00 | 0.00 | 0.00 | 0.00 | 5.89 | 20.9 | 36.5 | 52.2 | 68.1 | 85.0 | 104   | 128  | 160  | 196  | 238  | 286  | 334      | 371  | 385  |
| 35          | 0.00 | 0.00 | 0.00 | 0.00 | 1.53 | 13.9 | 28.3 | 42.8 | 57.4 | 72.2 | 88.2  | 106  | 129  | 154  | 182  | 213  | 244      | 269  | 280  |
| 40          | 0.00 | 0.00 | 0.00 | 0.00 | 0.59 | 12.5 | 25.9 | 39.3 | 52.4 | 65.5 | 78.7  | 92.5 | 107  | 123  | 138  | 153  | 165      | 173  | 176  |
| 45          | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.25 | 16.8 | 28.8 | 40.6 | 52.2 | 63.6  | 74.8 | 86.2 | 97.7 | 109  | 119  | 128      | 134  | 137  |
| 50          | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.05 | 12.5 | 23.1 | 33.5 | 43.5 | 52.9  | 61.7 | 69.8 | 77.3 | 84.0 | 89.5 | 93.7     | 96.4 | 97.3 |
| 55          | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.28 | 5.18 | 12.9 | 21.8 | 30.4 | 38.6  | 46.2 | 53.1 | 59.3 | 64.8 | 69.3 | 72.8     | 75.0 | 76.0 |
| 60          | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.27 | 13.6 | 20.8 | 27.4  | 33.5 | 38.9 | 43.7 | 47.7 | 50.8 | 53.0     | 54.3 | 54.8 |
| 65          | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.40 | 6.08 | 9.68 | 13.8  | 18.8 | 23.3 | 27.3 | 30.7 | 33.5 | 35.5     | 36.9 | 37.4 |
| 70          | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.33  | 6.03 | 9.42 | 12.4 | 15.0 | 17.2 | 18.8     | 19.8 | 20.1 |
| 75          | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.78  | 2.66 | 4.39 | 5.92 | 7.26 | 8.39 | 9.26     | 9.81 | 10.1 |
| 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:2024-04-24

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:220.5V I:0.2412A P:32.90W PF:0.6186 Lamp Flux:1376.35x1 lm |          |                         |
| NAME: 8.01.017.0068 30°LWW-WZB-W55-L6-RDM                         | TYPE:LED | WEIGHT:                 |
| DIM.:                                                             | SPEC.:   | SERIAL No.:202404000057 |
| MFR.: TPK OPTOELECTRONIC TECH CO., LTD                            | SUR.:    | PROTECTION 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              | 4.39 | 4.18 | 3.73 | 3.06 | 2.21 | 1.21 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00     | 0.00 |
| -70              | 8.74 | 8.23 | 7.22 | 5.80 | 4.05 | 1.99 | 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              | 24.9 | 24.2 | 23.0 | 21.1 | 18.8 | 15.9 | 12.6 | 10.1 | 7.46 | 4.64 | 1.72 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00     | 0.00 |
| -60              | 40.9 | 39.9 | 38.1 | 35.6 | 32.4 | 28.6 | 24.2 | 19.2 | 13.8 | 8.13 | 2.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00     | 0.00 |
| -55              | 58.7 | 57.5 | 55.3 | 52.3 | 48.3 | 43.6 | 38.2 | 32.1 | 25.6 | 18.7 | 11.4 | 5.33 | 1.05 | 0.00 | 0.00 | 0.00 | 0.00     | 0.00 |
| -50              | 76.1 | 74.4 | 71.5 | 67.5 | 62.4 | 56.5 | 49.8 | 42.6 | 34.7 | 26.3 | 17.7 | 8.92 | 0.63 | 0.00 | 0.00 | 0.00 | 0.00     | 0.00 |
| -45              | 104  | 101  | 96.2 | 89.7 | 82.1 | 73.8 | 65.1 | 56.0 | 46.7 | 37.0 | 27.1 | 17.0 | 6.99 | 0.51 | 0.00 | 0.00 | 0.00     | 0.00 |
| -40              | 131  | 126  | 119  | 109  | 98.6 | 87.8 | 76.8 | 65.8 | 54.8 | 43.7 | 32.5 | 21.0 | 9.64 | 0.01 | 0.00 | 0.00 | 0.00     | 0.00 |
| -35              | 193  | 183  | 168  | 150  | 131  | 113  | 96.2 | 81.1 | 67.3 | 54.4 | 41.7 | 29.1 | 16.5 | 4.41 | 0.00 | 0.00 | 0.00     | 0.00 |
| -30              | 253  | 235  | 210  | 183  | 156  | 131  | 109  | 90.6 | 74.5 | 59.9 | 46.0 | 32.2 | 18.5 | 5.23 | 0.00 | 0.00 | 0.00     | 0.00 |
| -25              | 459  | 405  | 335  | 268  | 212  | 169  | 135  | 108  | 87.0 | 69.6 | 54.1 | 39.3 | 24.6 | 10.3 | 0.04 | 0.00 | 0.00     | 0.00 |
| -20              | 648  | 548  | 431  | 328  | 250  | 192  | 149  | 116  | 92.1 | 73.0 | 56.3 | 40.5 | 25.0 | 9.83 | 0.00 | 0.00 | 0.00     | 0.00 |
| -15              | 1401 | 1111 | 770  | 509  | 345  | 243  | 179  | 135  | 105  | 82.0 | 63.6 | 46.8 | 30.6 | 14.7 | 0.74 | 0.00 | 0.00     | 0.00 |
| -10              | 2066 | 1534 | 987  | 610  | 391  | 263  | 189  | 141  | 107  | 83.3 | 64.0 | 46.6 | 29.8 | 13.5 | 0.00 | 0.00 | 0.00     | 0.00 |
| -5               | 3212 | 2394 | 1473 | 830  | 488  | 312  | 215  | 156  | 117  | 89.8 | 69.1 | 51.1 | 34.0 | 17.2 | 1.70 | 0.00 | 0.00     | 0.00 |
| 0                | 4108 | 2871 | 1653 | 875  | 496  | 311  | 212  | 153  | 114  | 87.3 | 66.8 | 48.6 | 31.4 | 14.5 | 0.27 | 0.00 | 0.00     | 0.00 |
| 5                | 3766 | 2784 | 1683 | 920  | 525  | 328  | 222  | 160  | 119  | 91.3 | 70.2 | 51.9 | 34.6 | 17.7 | 1.92 | 0.00 | 0.00     | 0.00 |
| 10               | 3121 | 2238 | 1345 | 761  | 453  | 292  | 202  | 148  | 112  | 86.2 | 66.1 | 48.1 | 31.0 | 14.2 | 0.20 | 0.00 | 0.00     | 0.00 |
| 15               | 2190 | 1675 | 1086 | 658  | 413  | 277  | 197  | 146  | 111  | 86.3 | 66.7 | 49.1 | 32.4 | 15.9 | 1.20 | 0.00 | 0.00     | 0.00 |
| 20               | 1099 | 867  | 621  | 433  | 306  | 223  | 168  | 127  | 99.3 | 78.1 | 60.1 | 43.4 | 27.2 | 11.3 | 0.00 | 0.00 | 0.00     | 0.00 |
| 25               | 755  | 630  | 480  | 355  | 263  | 200  | 154  | 120  | 95.5 | 75.8 | 58.9 | 43.0 | 27.4 | 12.2 | 0.28 | 0.00 | 0.00     | 0.00 |
| 30               | 371  | 334  | 283  | 235  | 192  | 156  | 126  | 102  | 83.0 | 66.5 | 51.2 | 36.3 | 21.5 | 7.28 | 0.00 | 0.00 | 0.00     | 0.00 |
| 35               | 275  | 255  | 224  | 192  | 162  | 135  | 112  | 93.0 | 76.4 | 61.6 | 47.6 | 33.8 | 20.1 | 6.79 | 0.00 | 0.00 | 0.00     | 0.00 |
| 40               | 173  | 165  | 152  | 137  | 121  | 105  | 90.4 | 76.7 | 63.7 | 51.0 | 38.5 | 25.8 | 13.1 | 1.26 | 0.00 | 0.00 | 0.00     | 0.00 |
| 45               | 136  | 131  | 123  | 113  | 102  | 90.1 | 78.4 | 67.0 | 55.9 | 44.7 | 33.5 | 22.1 | 10.8 | 1.77 | 0.00 | 0.00 | 0.00     | 0.00 |
| 50               | 96.5 | 94.0 | 89.8 | 84.2 | 77.6 | 70.0 | 61.6 | 52.8 | 43.6 | 34.0 | 24.0 | 13.9 | 4.00 | 0.00 | 0.00 | 0.00 | 0.00     | 0.00 |
| 55               | 75.7 | 74.1 | 71.2 | 67.1 | 62.0 | 56.1 | 49.4 | 42.1 | 34.3 | 26.1 | 17.6 | 9.00 | 2.97 | 0.00 | 0.00 | 0.00 | 0.00     | 0.00 |
| 60               | 54.5 | 53.3 | 51.1 | 48.1 | 44.2 | 39.6 | 34.2 | 28.3 | 21.8 | 14.9 | 7.78 | 0.72 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00     | 0.00 |
| 65               | 37.3 | 36.5 | 34.9 | 32.6 | 29.6 | 26.0 | 21.9 | 17.3 | 12.3 | 8.15 | 4.60 | 1.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00     | 0.00 |
| 70               | 19.9 | 19.1 | 17.8 | 15.9 | 13.7 | 10.9 | 7.75 | 4.29 | 0.62 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00     | 0.00 |
| 75               | 9.99 | 9.66 | 9.05 | 8.18 | 7.08 | 5.76 | 4.21 | 2.50 | 0.69 | 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:2024-04-24

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: