

## Floodlight Summary:

Report based on lamp delivering 1000 lumens.

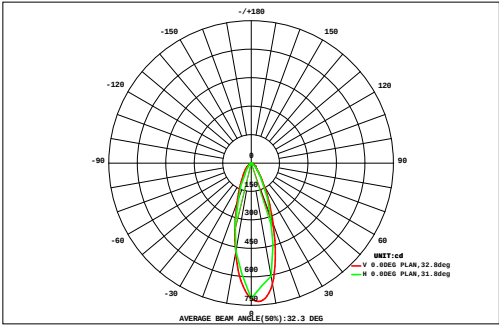
|                                                         |                |                                                                      |
|---------------------------------------------------------|----------------|----------------------------------------------------------------------|
| Maximum Intensity<br>(Luminaire orientation as tested.) |                | 2181.2 cd per klm.<br>0.0 degrees vertical<br>0.0 degrees horizontal |
| Beam Spread                                             | At 10% of Imax | 66.6V x 71.6H                                                        |
|                                                         | At 50% of Imax | 32.0V x 32.8H                                                        |
|                                                         | At 90% of Imax | 10.1V x 13.2H                                                        |
| Beam Flux                                               | Total          | 999.7 lumens per klm.                                                |
|                                                         | To 10% of Imax | 807.1 lumens per klm.                                                |
|                                                         | To 50% of Imax | 378.8 lumens per klm.                                                |
|                                                         | To 90% of Imax | 53.5 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:2024-05-21

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:241.4V I:0.0613A P:7.663W PF:0.5176 Lamp Flux:334.37x1 lm |          |                        |
| NAME: 8.02.003.0401 15°LLS-COVE2-W40-L3-DMX                      | TYPE:LED | WEIGHT:                |
| DIM.:                                                            | SPEC.:   | SERIAL No.:20240500086 |
| MFR.: TPK OPTOELECTRONIC TECH CO., LTD                           | SUR.:    | PROTECTION ANGLE:      |



| DATA OF LAMP             |          | Eff:43.63lm/W   |          |
|--------------------------|----------|-----------------|----------|
| MODELLS-COVE2-W40-L3-DMX | Imax(cd) | 729.3           |          |
| NOMINAL POWER(W)         | 8        | AVAILABILITY(%) | 81.2     |
| RATED VOLTAGE(V)         | 242      | Avai. FLUX(lm)  | 271.4    |
| NOMINAL FLUX(lm)         | 334.37   | LOR(%)          | 100.0    |
| LAMPS INSIDE             | 1        | TOTAL FLUX(lm)  | 334.4    |
| TEST VOLTAGE(V)          | 241.4    | θ @50%(H,V)     | 33,32DEG |

| AREA FLUX DIAGRAM |      |      |      |      |      |      |      |      |                   |      |      |      |      |      |      |      | UNIT:lm | Φ t  | Φ a  |
|-------------------|------|------|------|------|------|------|------|------|-------------------|------|------|------|------|------|------|------|---------|------|------|
| 72                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 | 0.01              | 0.01 | 0.01 | 0.02 | 0.03 | 0.01 | 0.00 | 0.00 | 0.00    | 0.13 | 0.00 |
| 64                | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.11 | 0.13 | 0.16 | 0.17              | 0.17 | 0.18 | 0.17 | 0.16 | 0.14 | 0.07 | 0.01 | 0.00    | 1.54 | 0.00 |
| 56                | 0.00 | 0.00 | 0.01 | 0.08 | 0.17 | 0.24 | 0.30 | 0.35 | 0.38              | 0.39 | 0.38 | 0.35 | 0.30 | 0.25 | 0.17 | 0.07 | 0.01    | 3.41 | 0.00 |
| 48                | 0.00 | 0.00 | 0.04 | 0.17 | 0.30 | 0.40 | 0.52 | 0.63 | 0.71              | 0.74 | 0.70 | 0.60 | 0.48 | 0.37 | 0.26 | 0.13 | 0.04    | 6.09 | 0.00 |
| 40                | 0.00 | 0.01 | 0.11 | 0.29 | 0.44 | 0.63 | 0.86 | 1.12 | 1.33              | 1.40 | 1.28 | 1.03 | 0.75 | 0.52 | 0.35 | 0.19 | 0.06    | 10.4 | 2.55 |
| 32                | 0.00 | 0.02 | 0.17 | 0.39 | 0.62 | 0.96 | 1.43 | 2.03 | 2.57              | 2.77 | 2.45 | 1.82 | 1.19 | 0.73 | 0.45 | 0.25 | 0.09    | 18.0 | 13.1 |
| 24                | 0.00 | 0.04 | 0.22 | 0.48 | 0.82 | 1.41 | 2.38 | 3.79 | 5.27              | 5.87 | 4.98 | 3.35 | 1.89 | 1.00 | 0.55 | 0.31 | 0.12    | 32.5 | 28.8 |
|                   | 0.00 | 0.05 | 0.25 | 0.54 | 0.97 | 1.79 | 3.36 | 5.99 | 9.18              | 10.5 | 8.74 | 5.35 | 2.71 | 1.28 | 0.64 | 0.34 | 0.13    | 51.9 | 48.7 |
|                   | 0.00 | 0.05 | 0.26 | 0.57 | 1.04 | 1.99 | 3.91 | 7.42 | 11.8              | 13.7 | 11.2 | 6.58 | 3.15 | 1.39 | 0.67 | 0.35 | 0.14    | 64.3 | 61.3 |
|                   | 0.00 | 0.06 | 0.26 | 0.56 | 1.02 | 1.95 | 3.85 | 7.41 | 11.7              | 13.2 | 10.6 | 5.98 | 2.81 | 1.24 | 0.61 | 0.32 | 0.12    | 61.6 | 58.5 |
|                   | 0.00 | 0.04 | 0.22 | 0.47 | 0.81 | 1.43 | 2.66 | 4.70 | 7.20              | 8.29 | 6.70 | 4.07 | 2.07 | 1.00 | 0.53 | 0.29 | 0.11    | 40.6 | 37.1 |
|                   | 0.00 | 0.02 | 0.16 | 0.37 | 0.58 | 0.93 | 1.51 | 2.38 | 3.32              | 3.77 | 3.30 | 2.26 | 1.32 | 0.73 | 0.43 | 0.25 | 0.09    | 21.5 | 16.9 |
| -24               | 0.00 | 0.01 | 0.10 | 0.27 | 0.42 | 0.61 | 0.88 | 1.24 | 1.56              | 1.68 | 1.52 | 1.16 | 0.78 | 0.51 | 0.34 | 0.19 | 0.07    | 11.4 | 4.44 |
| -32               | 0.00 | 0.00 | 0.05 | 0.18 | 0.29 | 0.39 | 0.49 | 0.60 | 0.67              | 0.68 | 0.64 | 0.55 | 0.44 | 0.34 | 0.25 | 0.13 | 0.04    | 5.74 | 0.00 |
| -40               | 0.00 | 0.00 | 0.01 | 0.09 | 0.18 | 0.24 | 0.29 | 0.33 | 0.35              | 0.35 | 0.34 | 0.31 | 0.27 | 0.23 | 0.16 | 0.07 | 0.01    | 3.21 | 0.00 |
| -48               | 0.00 | 0.00 | 0.00 | 0.01 | 0.09 | 0.12 | 0.14 | 0.16 | 0.17              | 0.18 | 0.18 | 0.17 | 0.16 | 0.14 | 0.08 | 0.02 | 0.00    | 1.63 | 0.00 |
| -56               | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.03 | 0.03 | 0.04 | 0.04              | 0.04 | 0.05 | 0.05 | 0.06 | 0.04 | 0.01 | 0.01 | 0.00    | 0.40 | 0.00 |
| -64               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00              | 0.00 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00    | 0.06 | 0.00 |
| -72               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 |
|                   | -72  | -64  | -56  | -48  | -40  | -32  | -24  | -16  | HORIZONTAL( DEG ) | 16   | 24   | 32   | 40   | 48   | 56   | 64   | 72      |      |      |
| Φ t               | 0.00 | 0.31 | 1.85 | 4.47 | 7.83 | 13.2 | 22.8 | 38.4 | 56.4              | 63.7 | 53.3 | 33.8 | 18.6 | 9.91 | 5.59 | 2.95 | 1.05    | 0.18 | 334  |
| Φ a               | 0.00 | 0.00 | 0.00 | 0.00 | 0.84 | 7.90 | 18.3 | 34.5 | 52.8              | 60.0 | 49.7 | 29.9 | 13.9 | 3.42 | 0.00 | 0.00 | 0.00    | ---  | 271  |

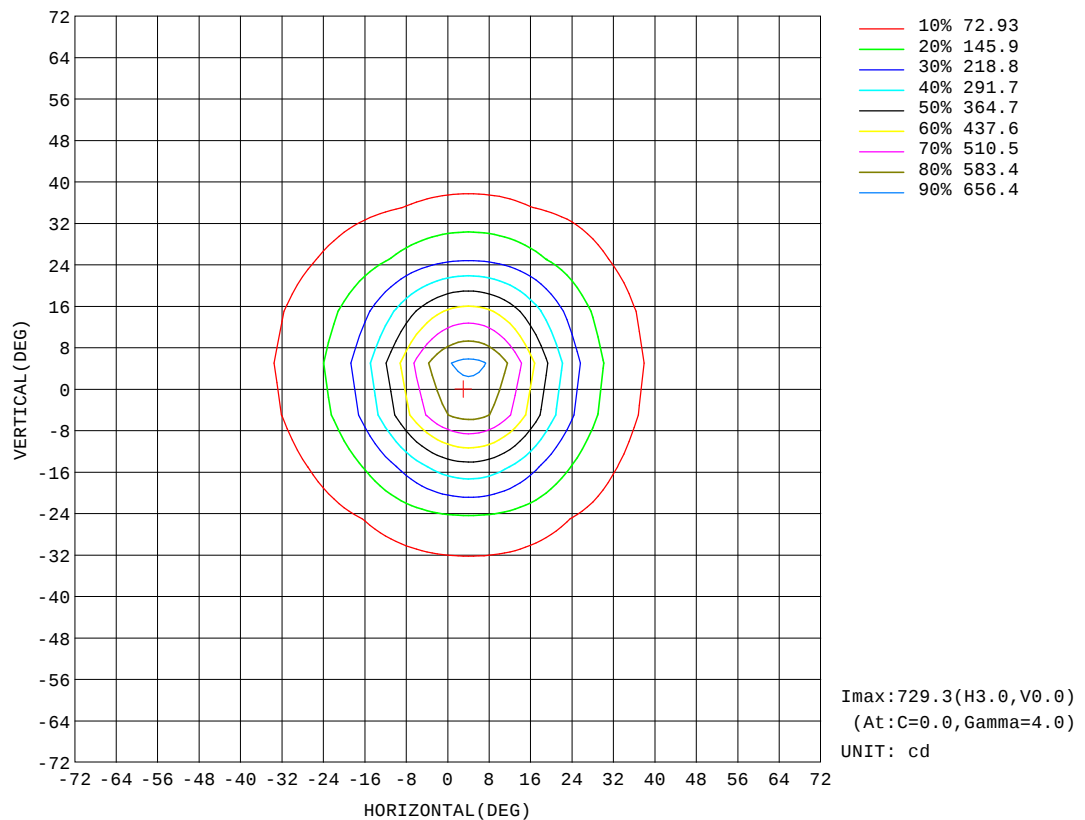
one-half-peak spread: U:14.3,D:18.0 , L:16.9, Beam Type: Type 5 x 4 (H x V)

H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:28.0DEG  
Operators:QC1  
Test Date:2024-05-21

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:241.4V I:0.0613A P:7.663W PF:0.5176 Lamp Flux:334.37x1 lm |          |                        |
| NAME: 8.02.003.0401 15°LLS-COVE2-W40-L3-DMX                      | TYPE:LED | WEIGHT:                |
| DIM.:                                                            | SPEC.:   | SERIAL No.:20240500086 |
| MFR.: TPK OPTOELECTRONIC TECH CO., LTD                           | SUR.:    | PROTECTION ANGLE:      |

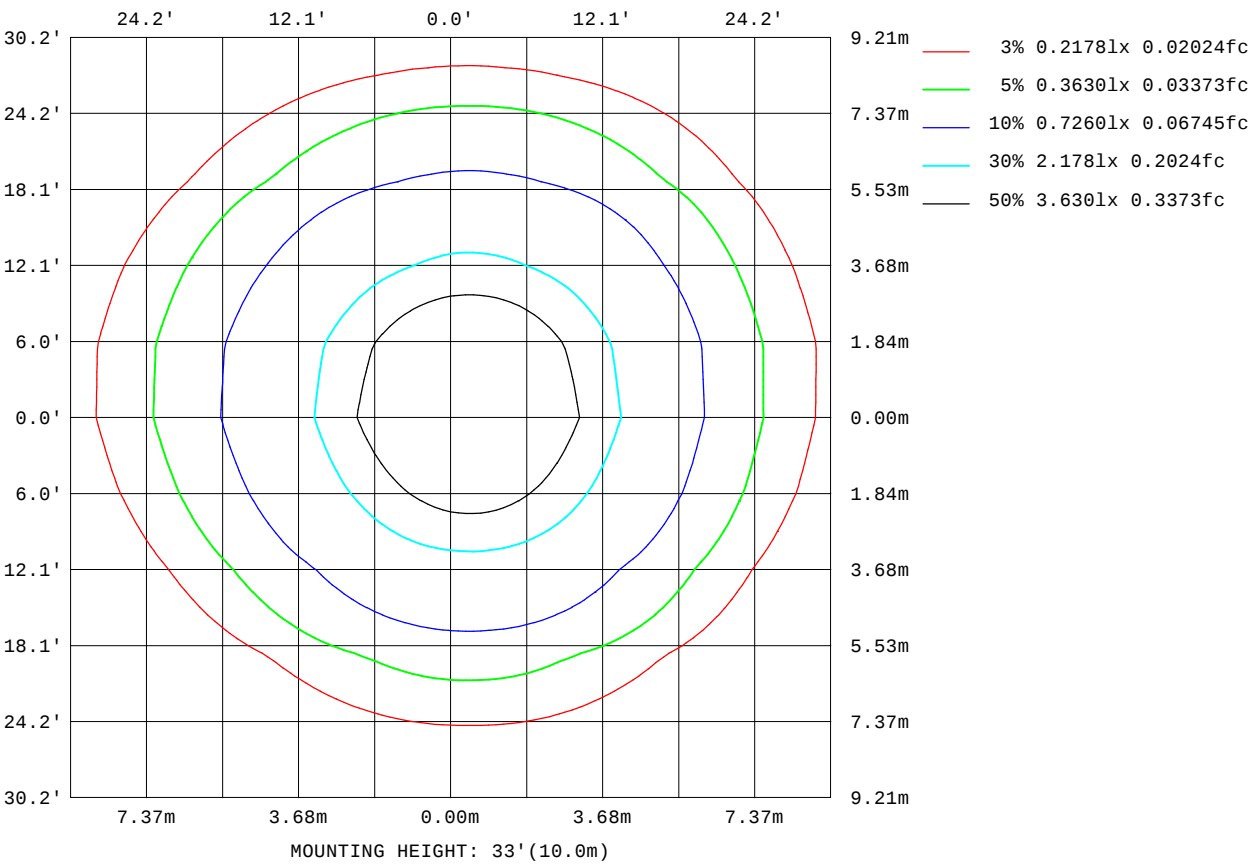


H( $\beta$ ) Range: -90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature: 28.0DEG  
Operators: QC1  
Test Date: 2024-05-21

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:241.4V I:0.0613A P:7.663W PF:0.5176 Lamp Flux:334.37x1 lm |          |                        |
| NAME: 8.02.003.0401 15°LLS-COVE2-W40-L3-DMX                      | TYPE:LED | WEIGHT:                |
| DIM.:                                                            | SPEC.:   | SERIAL No.:20240500086 |
| MFR.: TPK OPTOELECTRONIC TECH CO., LTD                           | SUR.:    | PROTECTION ANGLE:      |

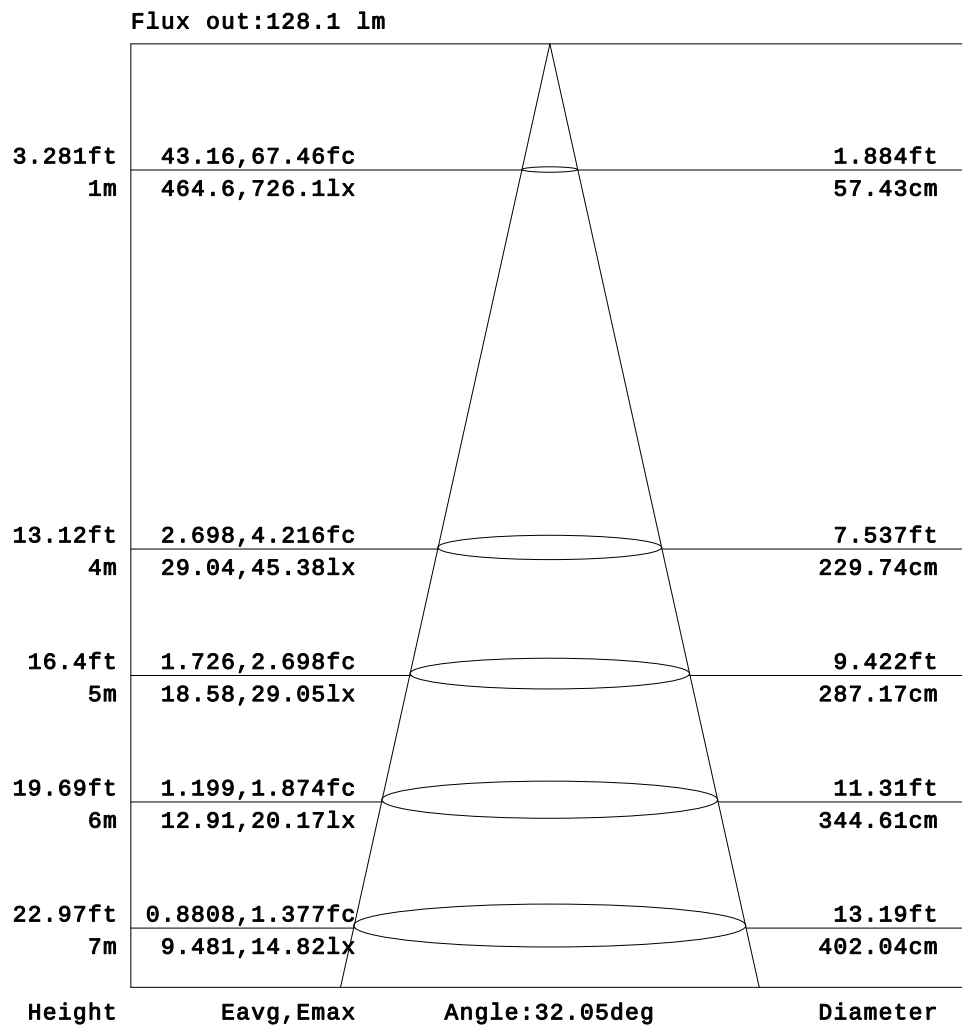


H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:28.0DEG  
Operators:QC1  
Test Date:2024-05-21

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:241.4V I:0.0613A P:7.663W PF:0.5176 Lamp Flux:334.37x1 lm |          |                        |
| NAME: 8.02.003.0401 15°LLS-COVE2-W40-L3-DMX                      | TYPE:LED | WEIGHT:                |
| DIM.:                                                            | SPEC.:   | SERIAL No.:20240500086 |
| MFR.: TPK OPTOELECTRONIC TECH CO., LTD                           | SUR.:    | PROTECTION ANGLE:      |

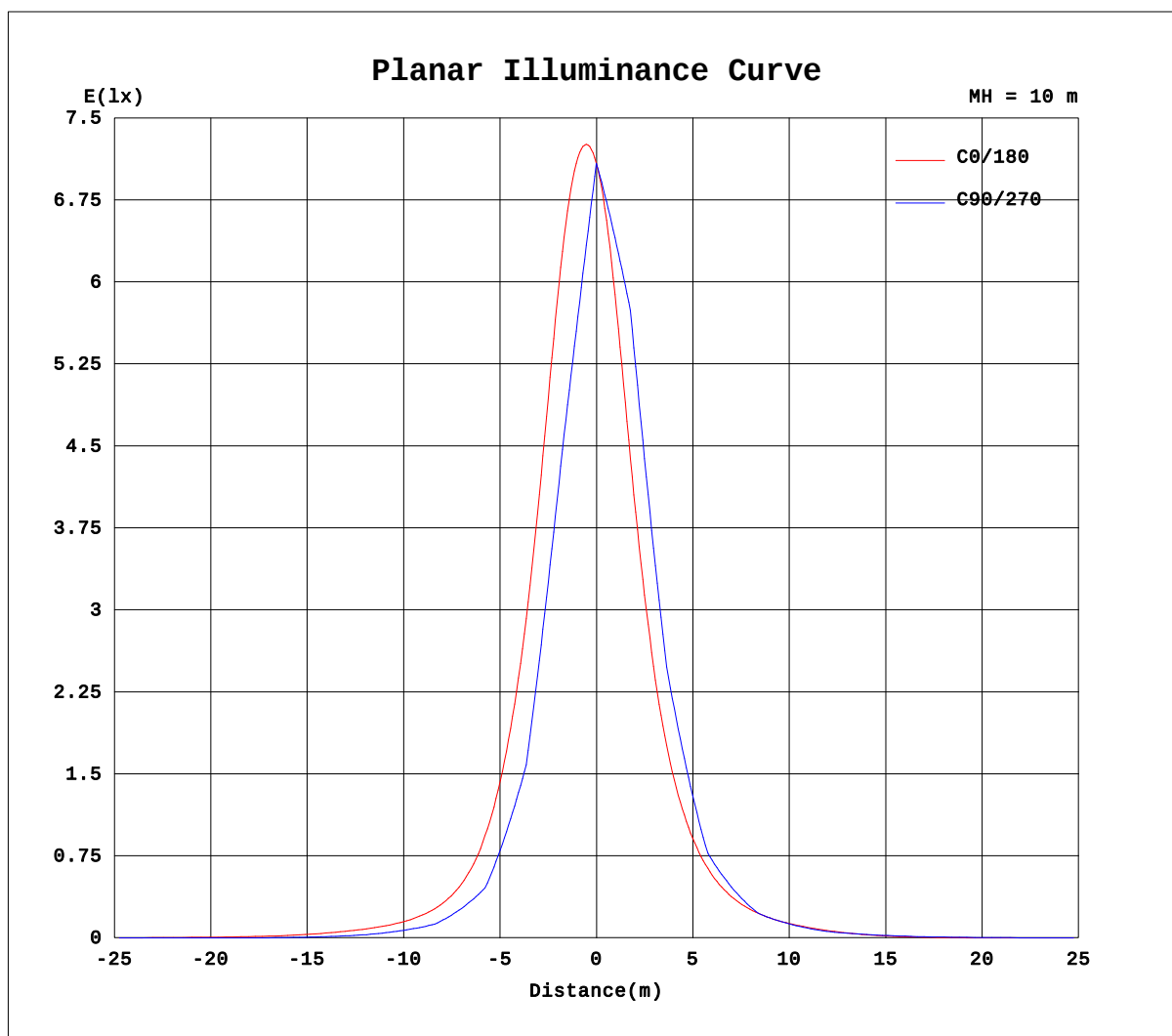


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:28.0DEG  
Operators:QC1  
Test Date:2024-05-21

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: 2024-05-21

V( $\beta$ ) Range: -80 - 80DEG  
V( $\beta$ ) 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:241.4V I:0.0613A P:7.663W PF:0.5176 Lamp Flux:334.37x1 lm |          |                        |
| NAME: 8.02.003.0401 15°LLS-COVE2-W40-L3-DMX                      | TYPE:LED | WEIGHT:                |
| DIM.:                                                            | SPEC.:   | SERIAL No.:20240500086 |
| MFR.: TPK OPTOELECTRONIC TECH CO., LTD                           | SUR.:    | PROTECTION 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 | 0.73 | 0.82 | 0.60 | 0.77 | 0.81     | 0.80 | 0.73 |  |
| -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 | 1.75 | 1.47 | 1.21 | 1.59 | 1.62     | 1.55 | 1.44 |  |
| -55              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 1.93 | 3.63 | 5.01 | 5.33 | 5.51 | 6.09 | 6.45     | 6.63 | 6.61 |  |
| -50              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.73 | 4.61 | 7.74 | 8.62 | 9.16 | 10.0 | 10.8 | 11.4     | 11.7 | 11.8 |  |
| -45              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.37 | 4.08 | 8.25 | 11.2 | 12.8 | 14.1 | 15.5 | 17.1 | 18.5     | 19.5 | 20.0 |  |
| -40              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.74 | 9.01 | 13.4 | 15.5 | 17.5 | 19.5 | 21.6 | 23.9 | 26.1     | 27.6 | 28.3 |  |
| -35              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.48 | 6.03 | 12.1 | 16.8 | 19.9 | 23.1 | 26.9 | 31.2 | 36.3 | 41.6     | 46.2 | 49.2 |  |
| -30              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 4.04 | 10.8 | 17.4 | 21.8 | 25.5 | 30.1 | 35.9 | 42.8 | 50.8 | 59.2     | 66.4 | 70.7 |  |
| -25              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.83 | 5.23 | 12.8 | 20.4 | 25.9 | 31.4 | 38.7 | 48.6 | 61.6 | 78.4 | 97.6     | 116  | 130  |  |
| -20              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.56 | 9.12 | 18.1 | 25.8 | 32.1 | 39.9 | 50.8 | 66.0 | 86.6 | 113  | 144      | 173  | 192  |  |
| -15              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.53 | 9.25 | 19.1 | 28.1 | 35.9 | 46.0 | 60.9 | 82.8 | 115  | 160  | 217      | 279  | 326  |  |
| -10              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 4.53 | 13.0 | 24.0 | 33.4 | 43.2 | 57.3 | 78.6 | 111  | 160  | 228  | 315      | 407  | 472  |  |
| -5               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 3.92 | 12.1 | 23.7 | 34.1 | 44.9 | 60.4 | 84.1 | 121  | 176  | 259  | 370      | 493  | 582  |  |
| 0                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.48 | 5.81 | 15.4 | 27.9 | 38.8 | 51.8 | 71.4 | 102  | 149  | 221  | 331  | 475      | 624  | 714  |  |
| 5                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 4.30 | 13.0 | 25.3 | 36.5 | 48.6 | 66.2 | 93.3 | 135  | 198  | 290  | 414      | 552  | 649  |  |
| 10               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.34 | 5.44 | 15.1 | 27.6 | 38.6 | 51.3 | 70.0 | 98.6 | 142  | 205  | 294  | 409      | 529  | 605  |  |
| 15               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.59 | 11.6 | 23.2 | 34.0 | 44.6 | 59.2 | 80.8 | 112  | 158  | 220  | 298      | 383  | 445  |  |
| 20               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.07 | 12.4 | 23.7 | 33.4 | 42.8 | 55.7 | 73.8 | 98.9 | 132  | 174  | 222      | 267  | 300  |  |
| 25               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.94 | 8.26 | 18.2 | 27.7 | 35.5 | 44.7 | 57.2 | 74.3 | 96.3 | 123  | 154      | 185  | 207  |  |
| 30               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.67 | 7.61 | 16.8 | 25.2 | 31.3 | 38.1 | 46.8 | 57.6 | 70.4 | 84.7 | 99.5     | 112  | 120  |  |
| 35               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.42 | 4.00 | 11.3 | 19.4 | 25.2 | 30.1 | 36.1 | 43.5 | 51.8 | 61.1 | 70.6     | 79.1 | 84.7 |  |
| 40               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.79 | 9.26 | 16.3 | 21.0 | 24.3 | 28.2 | 32.5 | 36.8 | 41.3 | 45.5     | 48.7 | 50.5 |  |
| 45               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.95 | 4.28 | 10.4 | 15.5 | 18.6 | 21.3 | 24.2 | 27.2 | 30.3 | 33.1     | 35.3 | 36.6 |  |
| 50               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.53 | 6.81 | 11.4 | 13.9 | 15.4 | 17.3 | 18.9 | 20.4 | 21.7     | 22.6 | 23.0 |  |
| 55               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.40 | 2.85 | 5.87 | 9.17 | 10.8 | 11.7 | 12.9 | 14.0 | 14.9     | 15.5 | 15.8 |  |
| 60               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.95 | 5.25 | 6.44 | 6.55 | 7.38 | 8.01 | 8.37     | 8.58 | 8.68 |  |
| 65               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.56 | 2.36 | 3.20 | 3.24 | 3.59 | 3.96 | 4.16     | 4.28 | 4.34 |  |
| 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:2024-05-21

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:241.4V I:0.0613A P:7.663W PF:0.5176 Lamp Flux:334.37x1 lm |          |                        |
| NAME: 8.02.003.0401 15°LLS-COVE2-W40-L3-DMX                      | TYPE:LED | WEIGHT:                |
| DIM.:                                                            | SPEC.:   | SERIAL No.:20240500086 |
| MFR.: TPK OPTOELECTRONIC TECH CO., LTD                           | SUR.:    | PROTECTION ANGLE:      |

|             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |
|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|------|
| Table--2    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | UNIT: cd |      |
| 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         | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 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         | 0.84 | 1.09 | 1.32 | 1.38 | 1.55 | 1.99 | 1.54 | 0.45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00     | 0.00 |
| -60         | 1.78 | 2.26 | 2.71 | 2.76 | 3.30 | 4.02 | 2.64 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00     | 0.00 |
| -55         | 6.81 | 7.19 | 7.34 | 7.25 | 7.17 | 7.47 | 6.98 | 5.27 | 3.38 | 1.91 | 0.65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00     | 0.00 |
| -50         | 12.0 | 12.2 | 12.0 | 11.7 | 11.1 | 11.0 | 10.8 | 9.18 | 6.14 | 3.25 | 0.85 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00     | 0.00 |
| -45         | 20.2 | 20.2 | 19.5 | 18.3 | 16.9 | 15.6 | 14.7 | 13.3 | 10.6 | 7.08 | 3.76 | 1.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00     | 0.00 |
| -40         | 28.5 | 28.0 | 26.5 | 24.4 | 22.1 | 19.9 | 18.2 | 16.5 | 13.8 | 9.48 | 5.44 | 2.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00     | 0.00 |
| -35         | 49.9 | 48.4 | 44.3 | 39.0 | 33.5 | 28.4 | 24.2 | 21.2 | 18.1 | 13.9 | 8.87 | 4.57 | 1.27 | 0.00 | 0.00 | 0.00 | 0.00     | 0.00 |
| -30         | 71.1 | 67.4 | 60.1 | 51.3 | 42.7 | 35.0 | 29.0 | 24.7 | 21.0 | 16.3 | 10.4 | 5.59 | 1.75 | 0.00 | 0.00 | 0.00 | 0.00     | 0.00 |
| -25         | 133  | 126  | 109  | 87.8 | 67.9 | 51.4 | 39.3 | 31.3 | 25.7 | 20.5 | 14.1 | 8.07 | 3.61 | 0.22 | 0.00 | 0.00 | 0.00     | 0.00 |
| -20         | 194  | 178  | 149  | 116  | 85.8 | 62.3 | 45.9 | 35.4 | 28.4 | 22.4 | 15.0 | 8.69 | 3.80 | 0.03 | 0.00 | 0.00 | 0.00     | 0.00 |
| -15         | 340  | 311  | 254  | 189  | 133  | 90.3 | 61.8 | 44.5 | 34.0 | 26.5 | 18.9 | 11.2 | 5.57 | 1.06 | 0.00 | 0.00 | 0.00     | 0.00 |
| -10         | 480  | 424  | 333  | 237  | 161  | 105  | 69.3 | 48.5 | 36.3 | 27.9 | 19.4 | 11.2 | 5.44 | 0.83 | 0.00 | 0.00 | 0.00     | 0.00 |
| -5          | 606  | 554  | 439  | 311  | 207  | 133  | 84.7 | 56.9 | 41.1 | 31.1 | 22.3 | 13.2 | 6.82 | 1.87 | 0.00 | 0.00 | 0.00     | 0.00 |
| 0           | 724  | 645  | 493  | 339  | 220  | 137  | 86.3 | 57.6 | 41.3 | 30.9 | 21.4 | 12.3 | 6.08 | 1.19 | 0.00 | 0.00 | 0.00     | 0.00 |
| 5           | 673  | 616  | 489  | 347  | 230  | 147  | 93.4 | 62.0 | 44.1 | 33.0 | 23.6 | 13.9 | 7.18 | 2.11 | 0.00 | 0.00 | 0.00     | 0.00 |
| 10          | 612  | 546  | 426  | 303  | 202  | 131  | 84.9 | 57.6 | 41.7 | 31.4 | 21.7 | 12.3 | 6.09 | 1.26 | 0.00 | 0.00 | 0.00     | 0.00 |
| 15          | 461  | 424  | 346  | 258  | 179  | 121  | 80.8 | 56.0 | 41.1 | 31.4 | 22.3 | 13.0 | 6.57 | 1.72 | 0.00 | 0.00 | 0.00     | 0.00 |
| 20          | 303  | 276  | 230  | 179  | 129  | 91.5 | 64.7 | 47.2 | 36.2 | 27.9 | 18.9 | 10.6 | 4.94 | 0.47 | 0.00 | 0.00 | 0.00     | 0.00 |
| 25          | 213  | 200  | 172  | 139  | 106  | 78.3 | 57.5 | 43.3 | 34.0 | 26.7 | 18.6 | 10.6 | 5.09 | 0.78 | 0.00 | 0.00 | 0.00     | 0.00 |
| 30          | 121  | 114  | 102  | 86.2 | 70.1 | 55.6 | 43.7 | 35.0 | 28.7 | 22.5 | 14.7 | 8.08 | 3.36 | 0.00 | 0.00 | 0.00 | 0.00     | 0.00 |
| 35          | 86.0 | 83.0 | 75.6 | 65.9 | 55.6 | 45.6 | 37.1 | 30.7 | 25.7 | 20.4 | 13.4 | 7.29 | 2.92 | 0.14 | 0.00 | 0.00 | 0.00     | 0.00 |
| 40          | 50.7 | 49.2 | 45.8 | 41.6 | 36.9 | 32.0 | 27.7 | 24.3 | 20.8 | 15.6 | 9.30 | 4.57 | 0.93 | 0.00 | 0.00 | 0.00 | 0.00     | 0.00 |
| 45          | 36.9 | 36.4 | 34.6 | 32.0 | 29.1 | 25.9 | 23.0 | 20.5 | 17.5 | 12.9 | 7.62 | 3.50 | 0.81 | 0.00 | 0.00 | 0.00 | 0.00     | 0.00 |
| 50          | 23.2 | 23.1 | 22.3 | 21.3 | 20.0 | 18.6 | 17.3 | 15.7 | 12.7 | 8.09 | 4.09 | 1.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00     | 0.00 |
| 55          | 16.0 | 16.2 | 16.0 | 15.5 | 14.8 | 14.1 | 13.4 | 11.8 | 8.95 | 5.31 | 2.40 | 0.81 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00     | 0.00 |
| 60          | 9.03 | 9.36 | 9.50 | 9.49 | 9.26 | 9.38 | 9.07 | 6.89 | 3.83 | 1.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00     | 0.00 |
| 65          | 4.45 | 4.67 | 4.73 | 4.79 | 5.06 | 5.35 | 4.68 | 3.71 | 2.23 | 0.82 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00     | 0.00 |
| 70          | 0.00 | 0.00 | 0.00 | 0.13 | 1.08 | 1.23 | 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 | 0.03 | 0.42 | 0.69 | 0.05 | 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:2024-05-21

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: