

## Floodlight Summary:

Report based on lamp delivering 1000 lumens.

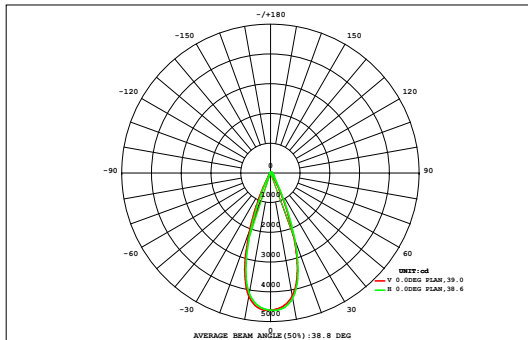
|                                          |                |                        |
|------------------------------------------|----------------|------------------------|
| Maximum Intensity                        |                | 2319.1 cd per klm.     |
| (Luminaire orientation as tested.)       |                | 0.0 degrees vertical   |
|                                          |                | 0.0 degrees horizontal |
| Beam Spread                              | At 10% of Imax | 57.7V x 57.3H          |
|                                          | At 50% of Imax | 38.6V x 39.0H          |
|                                          | At 90% of Imax | 20.7V x 20.9H          |
| Beam Flux                                | Total          | 1000.4 lumens per klm. |
|                                          | To 10% of Imax | 892.2 lumens per klm.  |
|                                          | To 50% of Imax | 639.7 lumens per klm.  |
|                                          | To 90% of Imax | 222.7 lumens per klm.  |
|                                          | Upward LOR     | 1.4 %                  |
|                                          | Downward LOR   | 98.6 %                 |
| Luminaire Efficiency(Light Output Ratio) |                | 100.0 %                |

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ADMIN  
Test Date:2025-05-17

V(B) Range:-180 - 180DEG  
V(B) Interval: 0.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.352  
Humidity:65.0%  
Test Distance:13.563m [K=1.0000]  
Remarks:

## LUMINAIRE PHOTOMETRIC TEST REPORT

|                                                                               |                             |                                |
|-------------------------------------------------------------------------------|-----------------------------|--------------------------------|
| Test:U:12.17V I:2.556A P:24.09W PF:0.7742 Freq:60.01Hz Lamp Flux:1993.59x1 lm |                             |                                |
| NAME: LED LANDSCAPE LIGHT                                                     | TYPE:Copper alloy Spotlight | WEIGHT:                        |
| SPEC.:23W 3990K 40°LENS                                                       | DIM.:                       | SERIAL No.:1                   |
| MFR.: EVERFINE                                                                | SUR.:                       | Shielding Angle:Uplight Shroud |



| DATA OF LAMP     |            | Eff:82.77lm/W   |          |
|------------------|------------|-----------------|----------|
| MODEL            | D7B1-23W-A | Imax(cd)        | 4623     |
| NOMINAL POWER(W) | 23         | AVAILABILITY(%) | 89.3     |
| RATED VOLTAGE(V) | 12         | Avai. FLUX(lm)  | 1780     |
| NOMINAL FLUX(lm) | 1993.59    | LOR(%)          | 100.0    |
| LAMPS INSIDE     | 1          | TOTAL FLUX(lm)  | 1994     |
| TEST VOLTAGE(V)  | 12         | θ @50%(H,V)     | 39,39DEG |

| VERTICAL (DEG)                                                           | AREA FLUX DIAGRAM |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | UNIT:lm |      | Φ t  | Φ a  |
|--------------------------------------------------------------------------|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---------|------|------|------|
|                                                                          | 0.10              | 0.16 | 0.25 | 0.37 | 0.52 | 0.69 | 0.86 | 1.03 | 1.16 | 1.16 | 1.04 | 0.88 | 0.71 | 0.54 | 0.39 | 0.27 | 0.18    | 0.11 | 10.4 | 0.00 |
| 45                                                                       | 0.10              | 0.16 | 0.25 | 0.37 | 0.52 | 0.69 | 0.86 | 1.03 | 1.16 | 1.16 | 1.04 | 0.88 | 0.71 | 0.54 | 0.39 | 0.27 | 0.18    | 0.11 | 10.4 | 0.00 |
| 40                                                                       | 0.13              | 0.22 | 0.35 | 0.53 | 0.75 | 1.03 | 1.33 | 1.61 | 1.83 | 1.84 | 1.64 | 1.37 | 1.07 | 0.79 | 0.56 | 0.38 | 0.24    | 0.14 | 15.8 | 0.00 |
| 35                                                                       | 0.16              | 0.28 | 0.46 | 0.73 | 1.09 | 1.54 | 2.06 | 2.58 | 2.99 | 3.02 | 2.64 | 2.13 | 1.62 | 1.16 | 0.78 | 0.50 | 0.31    | 0.18 | 24.3 | 1.66 |
| 30                                                                       | 0.19              | 0.35 | 0.60 | 0.99 | 1.57 | 2.44 | 3.71 | 5.14 | 6.21 | 6.27 | 5.29 | 3.91 | 2.61 | 1.70 | 1.08 | 0.66 | 0.39    | 0.22 | 43.3 | 28.5 |
| 25                                                                       | 0.22              | 0.41 | 0.75 | 1.33 | 2.43 | 4.58 | 7.75 | 11.0 | 13.2 | 13.3 | 11.3 | 8.16 | 4.96 | 2.70 | 1.49 | 0.85 | 0.48    | 0.26 | 85.1 | 74.7 |
| 20                                                                       | 0.24              | 0.47 | 0.92 | 1.84 | 4.13 | 8.53 | 14.2 | 19.3 | 22.3 | 22.4 | 19.7 | 14.9 | 9.21 | 4.63 | 2.12 | 1.07 | 0.56    | 0.29 | 147  | 138  |
| 15                                                                       | 0.25              | 0.52 | 1.08 | 2.58 | 6.56 | 13.4 | 21.0 | 26.8 | 29.7 | 29.7 | 27.1 | 21.8 | 14.3 | 7.36 | 3.04 | 1.29 | 0.63    | 0.31 | 207  | 200  |
| 10                                                                       | 0.24              | 0.53 | 1.21 | 3.37 | 8.87 | 17.5 | 26.0 | 31.3 | 33.6 | 33.5 | 31.4 | 26.5 | 18.6 | 9.98 | 4.02 | 1.51 | 0.67    | 0.32 | 249  | 243  |
| 5                                                                        | 0.22              | 0.50 | 1.25 | 3.81 | 10.2 | 19.6 | 28.3 | 33.1 | 34.9 | 34.8 | 32.9 | 28.6 | 20.9 | 11.5 | 4.63 | 1.61 | 0.66    | 0.30 | 268  | 262  |
| 0                                                                        | 0.19              | 0.45 | 1.15 | 3.63 | 9.87 | 19.3 | 28.0 | 32.9 | 34.7 | 34.5 | 32.7 | 28.4 | 20.6 | 11.2 | 4.46 | 1.51 | 0.61    | 0.27 | 265  | 259  |
| -5                                                                       | 0.17              | 0.38 | 0.94 | 2.88 | 8.05 | 16.5 | 25.1 | 30.6 | 32.8 | 32.8 | 30.7 | 25.6 | 17.6 | 9.16 | 3.53 | 1.23 | 0.52    | 0.24 | 239  | 233  |
| -10                                                                      | 0.14              | 0.30 | 0.68 | 1.88 | 5.36 | 11.7 | 19.2 | 25.1 | 27.9 | 28.0 | 25.4 | 19.9 | 12.6 | 6.16 | 2.34 | 0.89 | 0.41    | 0.20 | 188  | 182  |
| -15                                                                      | 0.11              | 0.21 | 0.45 | 1.05 | 2.80 | 6.48 | 11.5 | 16.2 | 18.8 | 19.0 | 16.6 | 12.2 | 7.16 | 3.30 | 1.33 | 0.59 | 0.30    | 0.16 | 118  | 111  |
| -20                                                                      | 0.08              | 0.15 | 0.27 | 0.54 | 1.18 | 2.66 | 5.01 | 7.43 | 8.85 | 8.97 | 7.74 | 5.42 | 3.04 | 1.45 | 0.70 | 0.37 | 0.21    | 0.12 | 54.2 | 44.8 |
| -25                                                                      | 0.05              | 0.10 | 0.16 | 0.27 | 0.48 | 0.86 | 1.51 | 2.26 | 2.70 | 2.76 | 2.41 | 1.71 | 1.04 | 0.61 | 0.37 | 0.23 | 0.14    | 0.08 | 17.7 | 2.88 |
| -30                                                                      | 0.04              | 0.06 | 0.10 | 0.14 | 0.20 | 0.29 | 0.39 | 0.49 | 0.52 | 0.55 | 0.55 | 0.47 | 0.37 | 0.27 | 0.20 | 0.14 | 0.09    | 0.06 | 4.94 | 0.00 |
| -35                                                                      | 0.02              | 0.04 | 0.06 | 0.08 | 0.10 | 0.12 | 0.12 | 0.11 | 0.09 | 0.10 | 0.14 | 0.16 | 0.16 | 0.14 | 0.12 | 0.09 | 0.06    | 0.04 | 1.73 | 0.00 |
| -40                                                                      | 0.02              | 0.02 | 0.03 | 0.04 | 0.06 | 0.06 | 0.06 | 0.05 | 0.03 | 0.04 | 0.06 | 0.08 | 0.08 | 0.08 | 0.07 | 0.05 | 0.03    | 0.02 | 0.89 | 0.00 |
| -45                                                                      | 0.02              | 0.02 | 0.03 | 0.04 | 0.06 | 0.06 | 0.06 | 0.05 | 0.03 | 0.04 | 0.06 | 0.08 | 0.08 | 0.08 | 0.07 | 0.05 | 0.03    | 0.02 | 0.89 | 0.00 |
| -45 -40 -35 -30 -25 -20 -15 -10 HORIZONTAL (DEG) 10 15 20 25 30 35 40 45 |                   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |         |      |      |      |
| Φ t                                                                      | 2.58              | 5.15 | 10.7 | 26.1 | 64.2 | 127  | 196  | 247  | 272  | 273  | 249  | 202  | 137  | 72.8 | 31.2 | 13.3 | 6.50    | 3.33 | 1939 | ---  |
| Φ a                                                                      | 0.00              | 0.00 | 0.00 | 10.1 | 53.5 | 118  | 188  | 239  | 265  | 265  | 242  | 194  | 128  | 62.2 | 16.1 | 0.00 | 0.00    | 0.00 | ---  | 1780 |

one-half-peak spread: U:20.3,D:18.4 , L:18.2,R:21.0

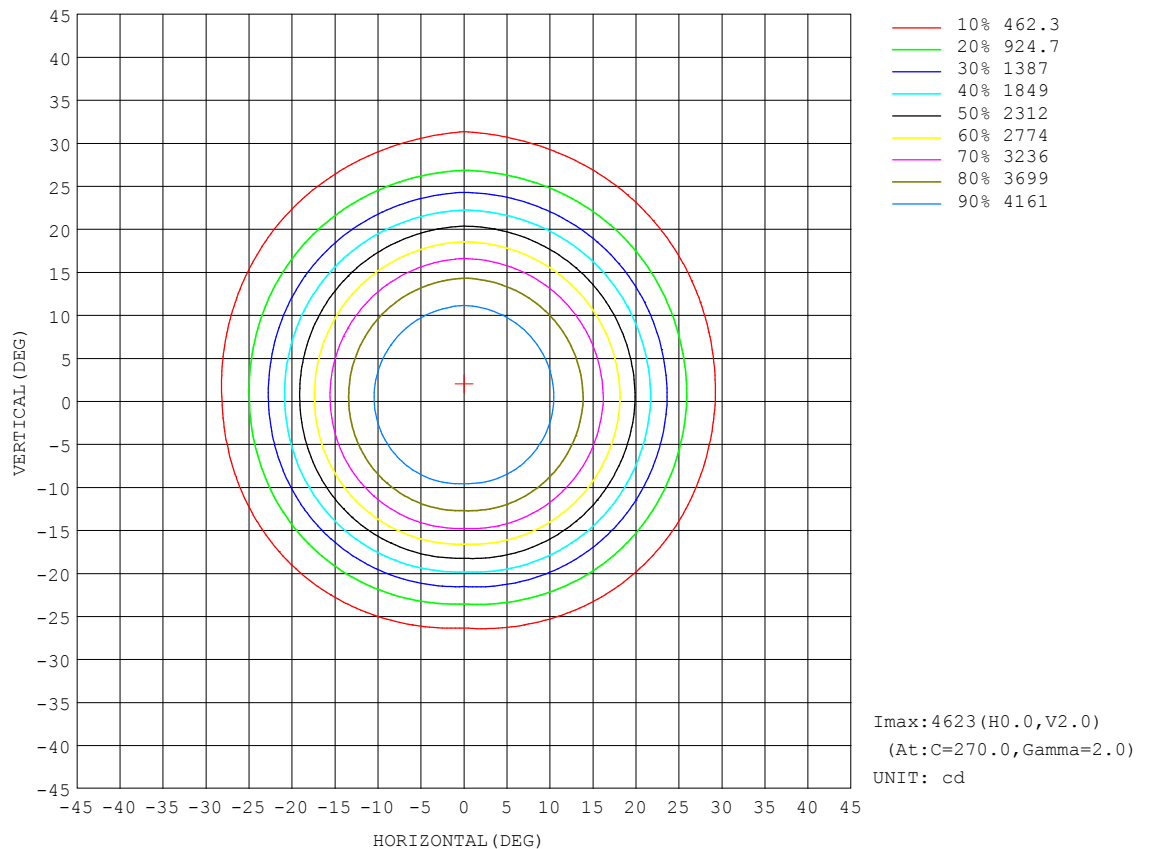
NEMA Beam Type: Type 4

H(β) Range:-90 - 90DEG  
H(β) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ADMIN  
Test Date:2025-05-17

V(B) Range:-180 - 180DEG  
V(B) Interval: 0.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.352  
Humidity:65.0%  
Test Distance:13.563m [K=1.0000]  
Remarks:

## ISOCANDELA DIAGRAM

|                                                                               |                             |                                |
|-------------------------------------------------------------------------------|-----------------------------|--------------------------------|
| Test:U:12.17V I:2.556A P:24.09W PF:0.7742 Freq:60.01Hz Lamp Flux:1993.59x1 lm |                             |                                |
| NAME: LED LANDSCAPE LIGHT                                                     | TYPE:Copper alloy Spotlight | WEIGHT:                        |
| SPEC.:23W 3990K 40°LENS                                                       | DIM.:                       | SERIAL No.:1                   |
| MFR.: EVERFINE                                                                | SUR.:                       | Shielding Angle:Uplight Shroud |

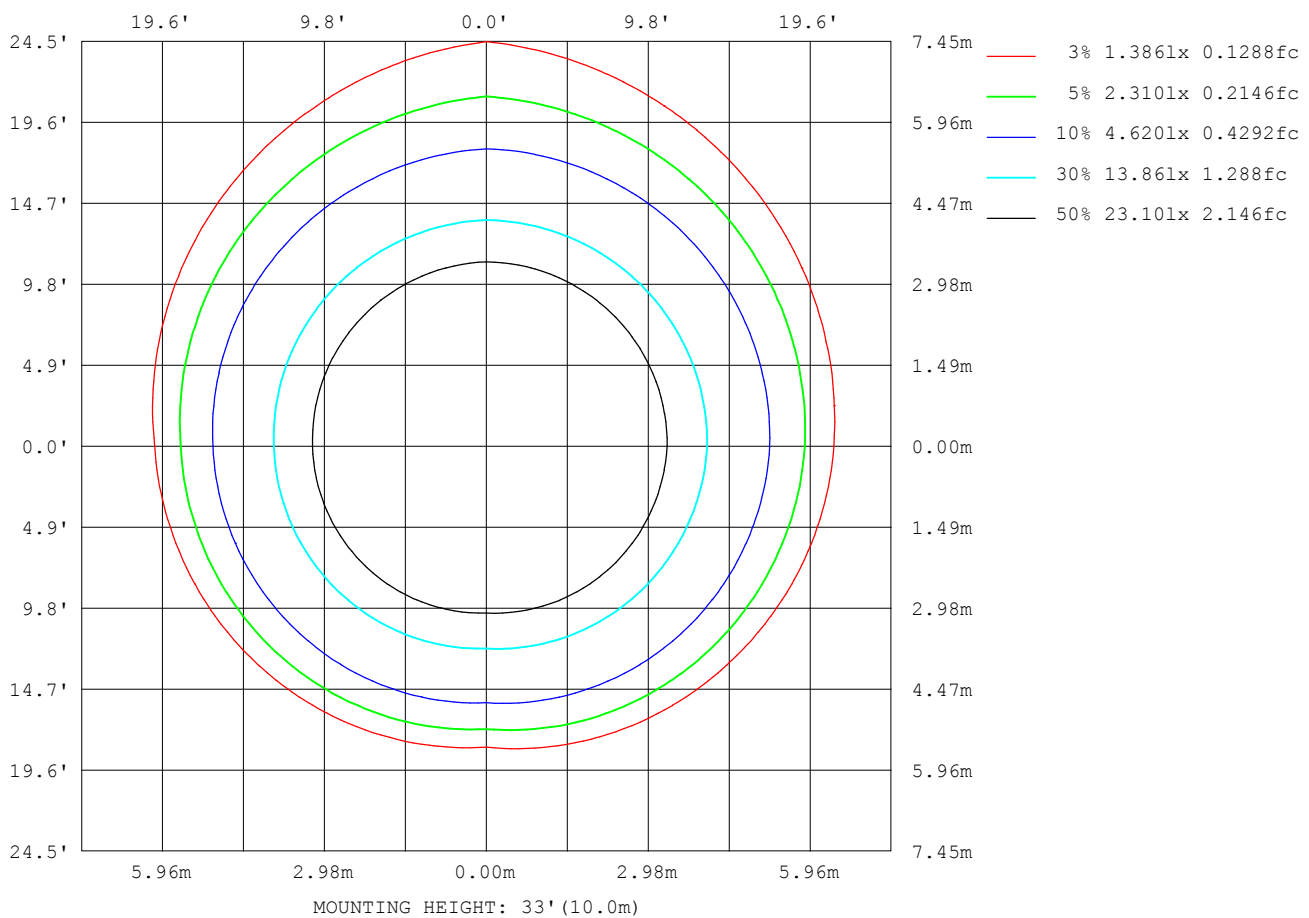


H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ADMIN  
Test Date:2025-05-17

V(B) Range:-180 - 180DEG  
V(B) Interval: 0.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.352  
Humidity:65.0%  
Test Distance:13.563m [K=1.0000]  
Remarks:

## ISOLUX DIAGRAM

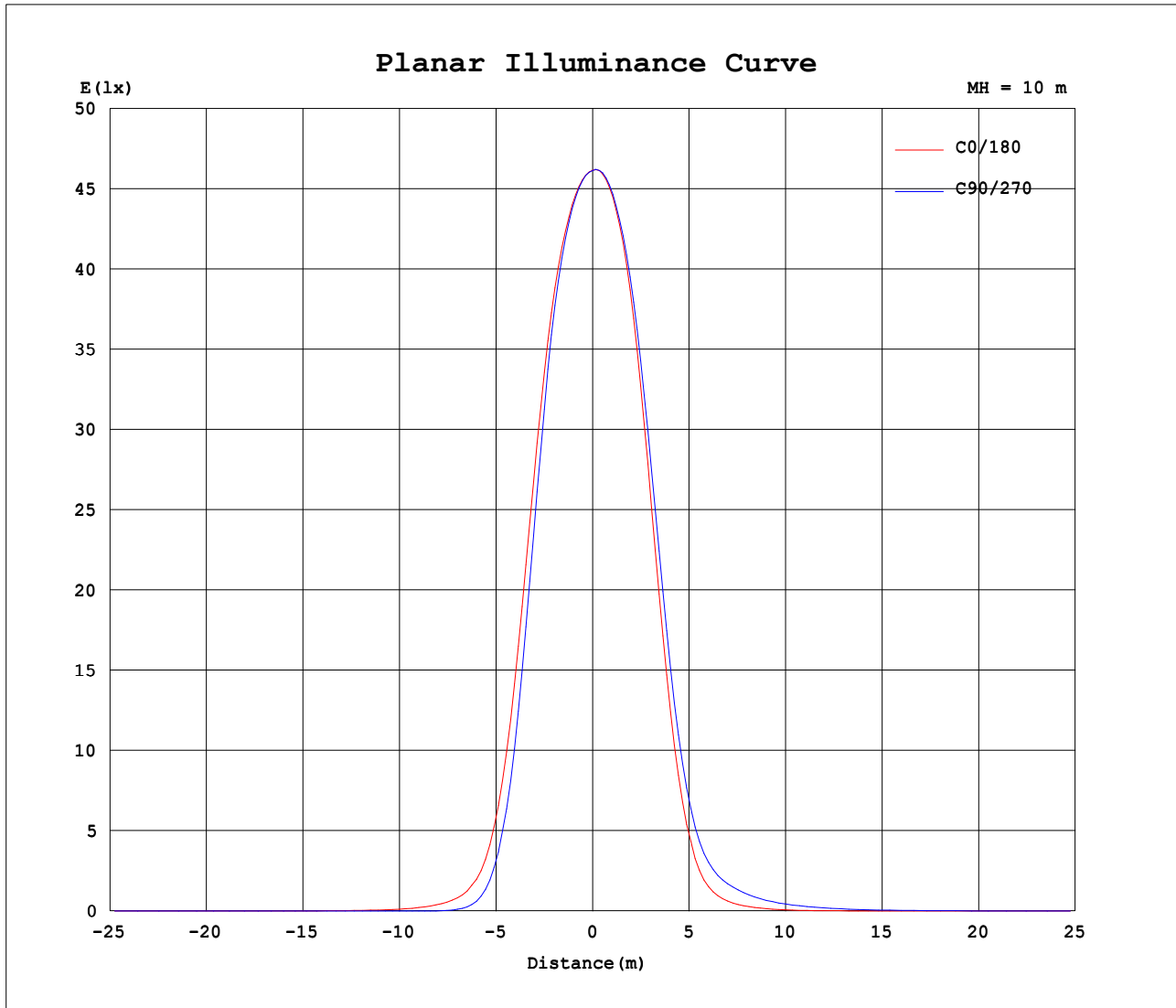
|                                                                               |                             |                                |
|-------------------------------------------------------------------------------|-----------------------------|--------------------------------|
| Test:U:12.17V I:2.556A P:24.09W PF:0.7742 Freq:60.01Hz Lamp Flux:1993.59x1 lm |                             |                                |
| NAME: LED LANDSCAPE LIGHT                                                     | TYPE:Copper alloy Spotlight | WEIGHT:                        |
| SPEC.:23W 3990K 40°LENS                                                       | DIM.:                       | SERIAL No.:1                   |
| MFR.: EVERFINE                                                                | SUR.:                       | Shielding Angle:Uplight Shroud |



H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ADMIN  
Test Date:2025-05-17

V(B) Range:-180 - 180DEG  
V(B) Interval: 0.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.352  
Humidity:65.0%  
Test Distance:13.563m [K=1.0000]  
Remarks:

## Planar Illuminance Curve

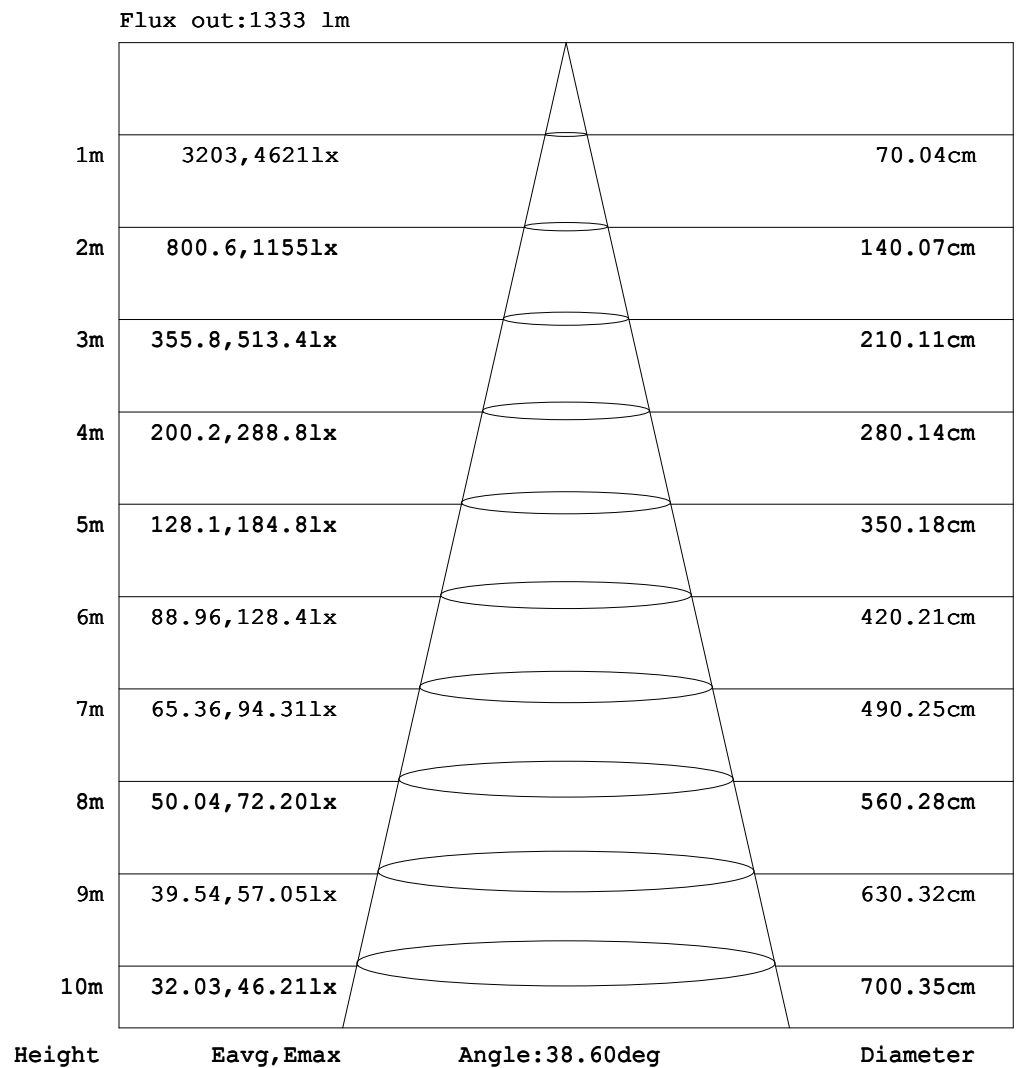


H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ADMIN  
Test Date:2025-05-17

V(B) Range:-180 - 180DEG  
V(B) Interval: 0.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.352  
Humidity:65.0%  
Test Distance:13.563m [K=1.0000]  
Remarks:

## AAI Figure

|                                                                               |                             |                                |
|-------------------------------------------------------------------------------|-----------------------------|--------------------------------|
| Test:U:12.17V I:2.556A P:24.09W PF:0.7742 Freq:60.01Hz Lamp Flux:1993.59x1 lm |                             |                                |
| NAME: LED LANDSCAPE LIGHT                                                     | TYPE:Copper alloy Spotlight | WEIGHT:                        |
| SPEC.:23W 3990K 40°LENS                                                       | DIM.:                       | SERIAL No.:1                   |
| MFR.: EVERFINE                                                                | SUR.:                       | Shielding Angle:Uplight Shroud |



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: 0.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ADMIN  
Test Date:2025-05-17

V(B) Range:-180 - 180DEG  
V(B) Interval: 0.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.352  
Humidity:65.0%  
Test Distance:13.563m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

|                                                                               |                             |                                |
|-------------------------------------------------------------------------------|-----------------------------|--------------------------------|
| Test:U:12.17V I:2.556A P:24.09W PF:0.7742 Freq:60.01Hz Lamp Flux:1993.59x1 lm |                             |                                |
| NAME: LED LANDSCAPE LIGHT                                                     | TYPE:Copper alloy Spotlight | WEIGHT:                        |
| SPEC.:23W 3990K 40°LENS                                                       | DIM.:                       | SERIAL No.:1                   |
| MFR.: EVERFINE                                                                | SUR.:                       | Shielding Angle:Uplight Shroud |

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    |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| -180               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.25 | 0.82 | 2.13 | 4.49 | 7.86 | 11.8 | 15.5 | 18.6 | 20.6 | 21.9 | 23.3 | 24.0 |
| -170               | 0.00 | 0.00 | 0.00 | 0.01 | 0.02 | 0.04 | 0.09 | 0.35 | 0.98 | 2.30 | 4.61 | 7.95 | 11.9 | 15.9 | 19.5 | 22.1 | 23.8 | 24.9 | 25.9 |
| -160               | 0.00 | 0.00 | 0.01 | 0.02 | 0.03 | 0.07 | 0.13 | 0.34 | 0.86 | 1.89 | 3.70 | 6.37 | 9.69 | 13.3 | 16.9 | 20.0 | 22.5 | 24.5 | 25.9 |
| -150               | 0.00 | 0.00 | 0.01 | 0.02 | 0.04 | 0.08 | 0.15 | 0.28 | 0.62 | 1.24 | 2.33 | 3.98 | 6.17 | 8.72 | 11.4 | 13.9 | 16.1 | 17.8 | 18.9 |
| -140               | 0.00 | 0.00 | 0.01 | 0.02 | 0.04 | 0.08 | 0.14 | 0.23 | 0.39 | 0.70 | 1.20 | 1.95 | 3.00 | 4.28 | 5.73 | 7.17 | 8.48 | 9.53 | 10.2 |
| -130               | 0.00 | 0.00 | 0.01 | 0.02 | 0.04 | 0.07 | 0.11 | 0.18 | 0.28 | 0.40 | 0.57 | 0.84 | 1.19 | 1.63 | 2.13 | 2.65 | 3.15 | 3.59 | 3.88 |
| -120               | 0.00 | 0.00 | 0.01 | 0.02 | 0.03 | 0.05 | 0.08 | 0.13 | 0.17 | 0.24 | 0.32 | 0.42 | 0.53 | 0.65 | 0.78 | 0.92 | 1.05 | 1.17 | 1.26 |
| -110               | 0.00 | 0.00 | 0.00 | 0.01 | 0.02 | 0.03 | 0.05 | 0.07 | 0.10 | 0.12 | 0.16 | 0.21 | 0.25 | 0.29 | 0.33 | 0.38 | 0.43 | 0.47 | 0.51 |
| -100               | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.02 | 0.03 | 0.04 | 0.05 | 0.06 | 0.08 | 0.09 | 0.10 | 0.11 | 0.13 | 0.14 | 0.15 | 0.16 |
| -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 |
| -80                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.03 | 0.05 | 0.07 | 0.08 | 0.08 | 0.08 | 0.06 | 0.04 | 0.02 | 0.00 |
| -70                | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.14 | 0.27 | 0.32 | 0.40 | 0.47 | 0.50 | 0.50 | 0.49 | 0.46 | 0.41 | 0.33 | 0.23 | 0.12 | 0.00 |
| -60                | 0.00 | 0.00 | 0.00 | 0.08 | 0.32 | 0.47 | 0.69 | 0.85 | 1.03 | 1.20 | 1.31 | 1.34 | 1.31 | 1.22 | 1.06 | 0.85 | 0.59 | 0.30 | 0.00 |
| -50                | 0.00 | 0.00 | 0.02 | 0.31 | 0.58 | 0.90 | 1.27 | 1.68 | 2.01 | 2.28 | 2.45 | 2.50 | 2.43 | 2.28 | 2.15 | 2.43 | 2.54 | 2.30 | 1.76 |
| -40                | 0.00 | 0.00 | 0.11 | 0.47 | 0.93 | 1.43 | 2.06 | 2.65 | 3.18 | 3.57 | 3.90 | 5.41 | 7.77 | 9.76 | 11.2 | 11.4 | 9.93 | 7.11 | 3.21 |
| -30                | 0.00 | 0.00 | 0.23 | 0.67 | 1.25 | 2.05 | 2.88 | 3.71 | 4.41 | 5.75 | 9.92 | 16.0 | 23.6 | 34.2 | 52.0 | 78.4 | 113  | 144  | 146  |
| -20                | 0.00 | 0.00 | 0.32 | 0.86 | 1.59 | 2.59 | 3.67 | 4.73 | 6.12 | 11.5 | 21.8 | 38.9 | 74.5 | 160  | 384  | 808  | 1296 | 1686 | 1806 |
| -10                | 0.00 | 0.00 | 0.38 | 0.99 | 1.85 | 3.04 | 4.34 | 5.61 | 9.13 | 18.7 | 37.6 | 80.2 | 195  | 585  | 1414 | 2537 | 3479 | 3994 | 4116 |
| 0                  | 0.00 | 0.00 | 0.41 | 1.06 | 2.00 | 3.32 | 4.79 | 6.29 | 11.0 | 23.7 | 50.5 | 113  | 300  | 916  | 2068 | 3367 | 4217 | 4562 | 4616 |
| 10                 | 0.00 | 0.03 | 0.46 | 1.13 | 2.09 | 3.63 | 5.79 | 8.94 | 15.8 | 31.0 | 60.4 | 122  | 264  | 703  | 1591 | 2725 | 3645 | 4129 | 4279 |
| 20                 | 0.00 | 0.06 | 0.47 | 1.12 | 2.03 | 3.57 | 5.97 | 9.85 | 16.6 | 30.3 | 54.9 | 96.7 | 169  | 308  | 614  | 1140 | 1732 | 2196 | 2399 |
| 30                 | 0.00 | 0.08 | 0.43 | 1.04 | 1.85 | 3.14 | 5.26 | 8.79 | 14.6 | 24.2 | 40.2 | 65.0 | 101  | 152  | 219  | 302  | 403  | 500  | 556  |
| 40                 | 0.00 | 0.10 | 0.36 | 0.91 | 1.62 | 2.49 | 4.01 | 6.43 | 10.4 | 16.3 | 25.5 | 38.2 | 55.1 | 76.3 | 101  | 129  | 156  | 180  | 197  |
| 50                 | 0.00 | 0.12 | 0.30 | 0.80 | 1.32 | 1.97 | 2.77 | 4.07 | 6.07 | 8.98 | 13.2 | 18.7 | 26.1 | 34.9 | 44.5 | 54.6 | 64.2 | 72.4 | 78.6 |
| 60                 | 0.00 | 0.13 | 0.29 | 0.58 | 1.07 | 1.50 | 2.05 | 2.61 | 3.31 | 4.26 | 5.69 | 7.47 | 9.63 | 12.1 | 14.9 | 17.8 | 20.5 | 22.7 | 24.3 |
| 70                 | 0.00 | 0.13 | 0.29 | 0.48 | 0.72 | 1.09 | 1.49 | 1.82 | 2.22 | 2.64 | 3.05 | 3.46 | 3.87 | 4.31 | 4.75 | 5.18 | 5.58 | 5.93 | 6.21 |
| 80                 | 0.00 | 0.13 | 0.28 | 0.44 | 0.61 | 0.80 | 1.00 | 1.21 | 1.45 | 1.70 | 1.98 | 2.25 | 2.51 | 2.76 | 3.00 | 3.24 | 3.47 | 3.68 | 3.89 |
| 90                 | 0.00 | 0.13 | 0.26 | 0.39 | 0.52 | 0.65 | 0.78 | 0.91 | 1.04 | 1.17 | 1.30 | 1.43 | 1.56 | 1.69 | 1.82 | 1.95 | 2.08 | 2.21 | 2.34 |
| 100                | 0.00 | 0.12 | 0.23 | 0.33 | 0.42 | 0.50 | 0.58 | 0.65 | 0.71 | 0.77 | 0.83 | 0.88 | 0.94 | 0.99 | 1.05 | 1.10 | 1.16 | 1.22 | 1.29 |
| 110                | 0.00 | 0.11 | 0.20 | 0.27 | 0.33 | 0.38 | 0.41 | 0.44 | 0.46 | 0.47 | 0.48 | 0.49 | 0.49 | 0.49 | 0.50 | 0.51 | 0.53 | 0.55 | 0.58 |
| 120                | 0.00 | 0.10 | 0.17 | 0.22 | 0.25 | 0.27 | 0.28 | 0.28 | 0.26 | 0.24 | 0.21 | 0.18 | 0.14 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 130                | 0.00 | 0.08 | 0.14 | 0.17 | 0.19 | 0.19 | 0.17 | 0.15 | 0.11 | 0.02 | 0.01 | 0.03 | 0.07 | 0.11 | 0.12 | 0.12 | 0.11 | 0.08 | 0.03 |
| 140                | 0.00 | 0.07 | 0.11 | 0.13 | 0.13 | 0.12 | 0.09 | 0.05 | 0.01 | 0.08 | 0.19 | 0.34 | 0.65 | 1.09 | 1.63 | 2.18 | 2.60 | 2.86 | 2.85 |
| 150                | 0.00 | 0.05 | 0.08 | 0.09 | 0.09 | 0.07 | 0.04 | 0.01 | 0.14 | 0.35 | 0.83 | 1.70 | 3.01 | 4.63 | 6.37 | 7.96 | 9.17 | 9.87 | 9.99 |
| 160                | 0.00 | 0.03 | 0.05 | 0.06 | 0.05 | 0.04 | 0.00 | 0.10 | 0.36 | 0.96 | 2.20 | 4.21 | 6.84 | 9.76 | 12.5 | 14.8 | 16.4 | 17.2 | 17.3 |
| 170                | 0.00 | 0.02 | 0.03 | 0.03 | 0.02 | 0.02 | 0.01 | 0.20 | 0.65 | 1.71 | 3.69 | 6.68 | 10.3 | 13.8 | 16.9 | 19.1 | 20.3 | 20.7 | 20.6 |
| 180                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.25 | 0.82 | 2.13 | 4.49 | 7.86 | 11.8 | 15.5 | 18.6 | 20.6 | 21.9 | 23.3 | 24.0 |

H( $\beta$ ) Range:-90 - 90DEG  
 H( $\beta$ ) Interval: 0.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:ADMIN  
 Test Date:2025-05-17

V(B) Range:-180 - 180DEG  
 V(B) Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.352  
 Humidity:65.0%  
 Test Distance:13.563m [K=1.0000]  
 Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

|                                                                               |                             |                                |
|-------------------------------------------------------------------------------|-----------------------------|--------------------------------|
| Test:U:12.17V I:2.556A P:24.09W PF:0.7742 Freq:60.01Hz Lamp Flux:1993.59x1 lm |                             |                                |
| NAME: LED LANDSCAPE LIGHT                                                     | TYPE:Copper alloy Spotlight | WEIGHT:                        |
| SPEC.:23W 3990K 40°LENS                                                       | DIM.:                       | SERIAL No.:1                   |
| MFR.: EVERFINE                                                                | SUR.:                       | Shielding Angle:Uplight Shroud |

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   |  |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| -180               | 24.7 | 25.0 | 25.2 | 24.0 | 21.0 | 16.8 | 12.4 | 8.23 | 4.81 | 2.40 | 1.04 | 0.46 | 0.17 | 0.12 | 0.00 | 0.00 | 0.00 | 0.12 |  |
| -170               | 25.9 | 26.1 | 25.4 | 23.4 | 20.0 | 15.9 | 11.7 | 7.71 | 4.50 | 2.27 | 1.02 | 0.45 | 0.20 | 0.12 | 0.01 | 0.00 | 0.00 | 0.12 |  |
| -160               | 25.3 | 24.2 | 22.3 | 19.6 | 16.3 | 12.6 | 9.07 | 5.89 | 3.39 | 1.73 | 0.83 | 0.37 | 0.22 | 0.09 | 0.02 | 0.01 | 0.00 | 0.12 |  |
| -150               | 18.4 | 17.2 | 15.4 | 13.2 | 10.7 | 8.07 | 5.63 | 3.57 | 2.05 | 1.11 | 0.61 | 0.31 | 0.20 | 0.05 | 0.02 | 0.01 | 0.00 | 0.12 |  |
| -140               | 9.85 | 9.08 | 8.00 | 6.68 | 5.26 | 3.87 | 2.65 | 1.71 | 1.07 | 0.65 | 0.38 | 0.27 | 0.14 | 0.04 | 0.02 | 0.01 | 0.00 | 0.12 |  |
| -130               | 3.70 | 3.36 | 2.92 | 2.43 | 1.93 | 1.47 | 1.07 | 0.78 | 0.56 | 0.39 | 0.27 | 0.16 | 0.07 | 0.04 | 0.02 | 0.01 | 0.00 | 0.12 |  |
| -120               | 1.20 | 1.10 | 0.98 | 0.85 | 0.74 | 0.60 | 0.49 | 0.40 | 0.30 | 0.21 | 0.13 | 0.08 | 0.05 | 0.03 | 0.02 | 0.01 | 0.00 | 0.12 |  |
| -110               | 0.48 | 0.44 | 0.39 | 0.35 | 0.30 | 0.25 | 0.21 | 0.16 | 0.12 | 0.10 | 0.07 | 0.05 | 0.03 | 0.02 | 0.01 | 0.00 | 0.01 | 0.12 |  |
| -100               | 0.15 | 0.14 | 0.13 | 0.11 | 0.10 | 0.09 | 0.08 | 0.06 | 0.05 | 0.04 | 0.03 | 0.02 | 0.01 | 0.01 | 0.00 | 0.01 | 0.05 | 0.12 |  |
| -90                | 0.01 | 0.01 | 0.02 | 0.03 | 0.03 | 0.04 | 0.04 | 0.05 | 0.06 | 0.06 | 0.07 | 0.08 | 0.08 | 0.09 | 0.10 | 0.10 | 0.11 | 0.12 |  |
| -80                | 0.07 | 0.13 | 0.19 | 0.24 | 0.29 | 0.33 | 0.36 | 0.39 | 0.40 | 0.40 | 0.40 | 0.38 | 0.36 | 0.32 | 0.28 | 0.23 | 0.17 | 0.12 |  |
| -70                | 0.18 | 0.35 | 0.51 | 0.64 | 0.75 | 0.84 | 0.89 | 0.91 | 0.91 | 0.88 | 0.84 | 0.78 | 0.69 | 0.60 | 0.49 | 0.37 | 0.24 | 0.12 |  |
| -60                | 0.39 | 0.77 | 1.11 | 1.40 | 1.62 | 1.76 | 1.83 | 1.83 | 1.76 | 1.64 | 1.48 | 1.30 | 1.11 | 0.92 | 0.72 | 0.52 | 0.31 | 0.12 |  |
| -50                | 2.77 | 3.41 | 3.58 | 3.39 | 3.33 | 3.20 | 3.20 | 3.18 | 3.02 | 2.74 | 2.39 | 2.01 | 1.62 | 1.27 | 0.96 | 0.66 | 0.38 | 0.12 |  |
| -40                | 8.85 | 13.1 | 15.3 | 15.1 | 14.0 | 11.7 | 8.44 | 5.80 | 4.58 | 4.12 | 3.53 | 2.89 | 2.26 | 1.68 | 1.21 | 0.80 | 0.44 | 0.12 |  |
| -30                | 153  | 128  | 93.8 | 66.0 | 46.2 | 33.3 | 22.9 | 15.4 | 9.17 | 5.82 | 4.80 | 3.86 | 2.93 | 2.11 | 1.44 | 0.93 | 0.50 | 0.12 |  |
| -20                | 1722 | 1362 | 885  | 450  | 201  | 97.6 | 54.1 | 30.7 | 18.2 | 9.72 | 6.06 | 4.84 | 3.59 | 2.52 | 1.66 | 1.04 | 0.53 | 0.12 |  |
| -10                | 3999 | 3528 | 2667 | 1569 | 690  | 252  | 107  | 53.9 | 28.3 | 14.6 | 7.63 | 5.64 | 4.14 | 2.85 | 1.83 | 1.12 | 0.56 | 0.12 |  |
| 0                  | 4515 | 4205 | 3489 | 2287 | 1095 | 389  | 151  | 71.2 | 35.0 | 17.7 | 8.84 | 6.19 | 4.49 | 3.05 | 1.93 | 1.16 | 0.57 | 0.12 |  |
| 10                 | 4134 | 3694 | 2855 | 1746 | 808  | 320  | 149  | 76.8 | 40.6 | 21.3 | 11.0 | 7.09 | 4.72 | 3.10 | 1.97 | 1.19 | 0.59 | 0.12 |  |
| 20                 | 2231 | 1798 | 1216 | 680  | 349  | 192  | 112  | 63.8 | 36.9 | 20.2 | 11.2 | 7.13 | 4.57 | 2.97 | 1.93 | 1.18 | 0.59 | 0.12 |  |
| 30                 | 509  | 419  | 317  | 233  | 164  | 111  | 71.9 | 45.7 | 27.7 | 16.0 | 9.88 | 6.24 | 4.02 | 2.71 | 1.81 | 1.13 | 0.58 | 0.12 |  |
| 40                 | 182  | 159  | 133  | 105  | 80.6 | 59.0 | 41.2 | 27.4 | 17.3 | 11.3 | 7.32 | 4.83 | 3.32 | 2.38 | 1.65 | 1.05 | 0.55 | 0.12 |  |
| 50                 | 72.9 | 65.0 | 55.7 | 45.8 | 36.0 | 26.9 | 19.4 | 13.9 | 9.72 | 6.80 | 4.77 | 3.52 | 2.69 | 2.01 | 1.45 | 0.94 | 0.50 | 0.12 |  |
| 60                 | 22.8 | 20.6 | 18.0 | 15.2 | 12.5 | 10.1 | 7.96 | 6.21 | 4.82 | 3.91 | 3.24 | 2.66 | 2.13 | 1.67 | 1.22 | 0.81 | 0.44 | 0.12 |  |
| 70                 | 5.99 | 5.71 | 5.36 | 4.99 | 4.60 | 4.22 | 3.84 | 3.46 | 3.08 | 2.70 | 2.34 | 2.00 | 1.64 | 1.30 | 0.97 | 0.66 | 0.37 | 0.12 |  |
| 80                 | 3.73 | 3.55 | 3.37 | 3.17 | 2.96 | 2.76 | 2.54 | 2.31 | 2.08 | 1.84 | 1.61 | 1.38 | 1.16 | 0.94 | 0.72 | 0.51 | 0.30 | 0.12 |  |
| 90                 | 2.21 | 2.09 | 1.97 | 1.84 | 1.72 | 1.60 | 1.47 | 1.35 | 1.23 | 1.10 | 0.98 | 0.86 | 0.73 | 0.61 | 0.49 | 0.36 | 0.24 | 0.12 |  |
| 100                | 1.22 | 1.16 | 1.10 | 1.05 | 0.99 | 0.94 | 0.88 | 0.83 | 0.77 | 0.71 | 0.65 | 0.58 | 0.50 | 0.42 | 0.33 | 0.24 | 0.18 | 0.12 |  |
| 110                | 0.56 | 0.54 | 0.53 | 0.52 | 0.50 | 0.50 | 0.49 | 0.48 | 0.47 | 0.46 | 0.44 | 0.41 | 0.38 | 0.33 | 0.27 | 0.20 | 0.12 | 0.12 |  |
| 120                | 0.03 | 0.05 | 0.06 | 0.07 | 0.13 | 0.21 | 0.26 | 0.29 | 0.31 | 0.30 | 0.28 | 0.28 | 0.27 | 0.25 | 0.22 | 0.17 | 0.10 | 0.12 |  |
| 130                | 0.19 | 0.31 | 0.39 | 0.42 | 0.40 | 0.35 | 0.27 | 0.21 | 0.19 | 0.22 | 0.24 | 0.22 | 0.19 | 0.19 | 0.17 | 0.14 | 0.08 | 0.12 |  |
| 140                | 3.18 | 3.21 | 3.00 | 2.58 | 2.06 | 1.53 | 1.05 | 0.70 | 0.45 | 0.27 | 0.20 | 0.22 | 0.18 | 0.13 | 0.13 | 0.11 | 0.07 | 0.12 |  |
| 150                | 10.4 | 10.2 | 9.45 | 8.16 | 6.57 | 4.91 | 3.35 | 2.06 | 1.16 | 0.63 | 0.34 | 0.20 | 0.18 | 0.10 | 0.09 | 0.08 | 0.05 | 0.12 |  |
| 160                | 18.1 | 18.0 | 17.1 | 15.2 | 12.7 | 9.79 | 6.91 | 4.39 | 2.46 | 1.23 | 0.58 | 0.24 | 0.19 | 0.11 | 0.06 | 0.05 | 0.03 | 0.12 |  |
| 170                | 21.7 | 22.5 | 22.4 | 20.9 | 18.0 | 14.3 | 10.4 | 6.79 | 3.91 | 1.94 | 0.86 | 0.38 | 0.18 | 0.13 | 0.03 | 0.03 | 0.02 | 0.12 |  |
| 180                | 24.7 | 25.0 | 25.2 | 24.0 | 21.0 | 16.8 | 12.4 | 8.23 | 4.81 | 2.40 | 1.04 | 0.46 | 0.17 | 0.12 | 0.00 | 0.00 | 0.00 | 0.12 |  |

H(β) Range:-90 - 90DEG  
H(β) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ADMIN  
Test Date:2025-05-17

V(B) Range:-180 - 180DEG  
V(B) Interval: 0.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.352  
Humidity:65.0%  
Test Distance:13.563m [K=1.0000]  
Remarks: