

## Floodlight Summary:

Report based on lamp delivering 1000 lumens.

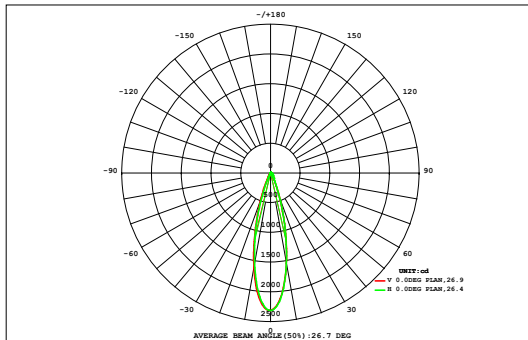
|                                          |                |                        |
|------------------------------------------|----------------|------------------------|
| Maximum Intensity                        |                | 3792.7 cd per klm.     |
| (Luminaire orientation as tested.)       |                | 0.0 degrees vertical   |
|                                          |                | 0.0 degrees horizontal |
| Beam Spread                              | At 10% of Imax | 47.5V x 49.4H          |
|                                          | At 50% of Imax | 26.4V x 26.9H          |
|                                          | At 90% of Imax | 10.2V x 10.6H          |
| Beam Flux                                | Total          | 1000.6 lumens per klm. |
|                                          | To 10% of Imax | 825.1 lumens per klm.  |
|                                          | To 50% of Imax | 460.2 lumens per klm.  |
|                                          | To 90% of Imax | 95.5 lumens per klm.   |
|                                          | Upward LOR     | 1.4 %                  |
|                                          | Downward LOR   | 98.7 %                 |
| 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:2023-06-07

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:12.06V I:1.308A P:11.49W PF:0.7289 Freq:59.99Hz Lamp Flux:609.603x1 lm |                                      |                                 |
| NAME: LED LANDSCAPE LIGHT                                                     | TYPE:Aluminum Spotlight RGBWWWEIGHT: |                                 |
| SPEC.:12W 5700K 40°LENS                                                       | DIM.:                                | SERIAL No.:1                    |
| MFR.: EVERFINE                                                                | SUR.:                                | Shielding Angle:UP-LIGHT SHROUD |



| DATA OF LAMP      |             | Eff:53.04lm/W    |          |
|-------------------|-------------|------------------|----------|
| MODEL             | D9A1-12W-BZ | Imax (cd)        | 2312     |
| NOMINAL POWER (W) | 12          | AVAILABILITY (%) | 82.3     |
| RATED VOLTAGE (V) | 12          | Avai. FLUX (lm)  | 502.0    |
| NOMINAL FLUX (lm) | 609.603     | LOR (%)          | 100.0    |
| LAMPS INSIDE      | 1           | TOTAL FLUX (lm)  | 609.6    |
| TEST VOLTAGE (V)  | 12          | θ @50% (H,V)     | 27,26DEG |

| VERTICAL (DEG) | AREA FLUX DIAGRAM |      |      |      |      |      |      |      |                  |      |      |      |      |      |      |      | UNIT:lm |      | Φ t  | Φ a  |
|----------------|-------------------|------|------|------|------|------|------|------|------------------|------|------|------|------|------|------|------|---------|------|------|------|
|                | 0.05              | 0.08 | 0.12 | 0.15 | 0.20 | 0.24 | 0.29 | 0.32 | 0.35             | 0.35 | 0.32 | 0.29 | 0.24 | 0.20 | 0.16 | 0.12 | 0.08    | 0.06 | 3.63 | 0.00 |
| 45             | 0.05              | 0.08 | 0.12 | 0.15 | 0.20 | 0.24 | 0.29 | 0.32 | 0.35             | 0.35 | 0.32 | 0.29 | 0.24 | 0.20 | 0.16 | 0.12 | 0.08    | 0.06 | 3.63 | 0.00 |
| 40             | 0.07              | 0.10 | 0.15 | 0.20 | 0.26 | 0.32 | 0.38 | 0.44 | 0.47             | 0.48 | 0.44 | 0.39 | 0.33 | 0.26 | 0.20 | 0.15 | 0.11    | 0.07 | 4.81 | 0.00 |
| 35             | 0.08              | 0.12 | 0.18 | 0.25 | 0.34 | 0.44 | 0.56 | 0.66 | 0.74             | 0.74 | 0.67 | 0.56 | 0.45 | 0.35 | 0.26 | 0.19 | 0.13    | 0.08 | 6.80 | 0.00 |
| 30             | 0.09              | 0.15 | 0.22 | 0.33 | 0.47 | 0.66 | 0.86 | 1.07 | 1.21             | 1.21 | 1.06 | 0.87 | 0.66 | 0.48 | 0.33 | 0.23 | 0.15    | 0.10 | 10.2 | 0.00 |
| 25             | 0.11              | 0.17 | 0.27 | 0.43 | 0.66 | 1.01 | 1.53 | 2.10 | 2.47             | 2.45 | 2.06 | 1.51 | 1.00 | 0.67 | 0.44 | 0.28 | 0.18    | 0.11 | 17.5 | 9.03 |
| 20             | 0.12              | 0.20 | 0.33 | 0.56 | 0.95 | 1.78 | 3.00 | 4.31 | 5.16             | 5.12 | 4.21 | 2.88 | 1.71 | 0.94 | 0.57 | 0.34 | 0.21    | 0.12 | 32.5 | 26.8 |
| 15             | 0.13              | 0.22 | 0.39 | 0.70 | 1.45 | 2.98 | 5.24 | 7.65 | 9.17             | 9.10 | 7.47 | 5.02 | 2.80 | 1.39 | 0.70 | 0.40 | 0.23    | 0.13 | 55.2 | 50.5 |
| 10             | 0.13              | 0.24 | 0.44 | 0.85 | 2.03 | 4.31 | 7.70 | 11.3 | 13.6             | 13.5 | 11.0 | 7.37 | 4.02 | 1.89 | 0.84 | 0.45 | 0.25    | 0.14 | 80.0 | 75.8 |
| 5              | 0.13              | 0.24 | 0.46 | 0.96 | 2.43 | 5.23 | 9.40 | 13.8 | 16.6             | 16.4 | 13.4 | 8.93 | 4.85 | 2.22 | 0.94 | 0.47 | 0.26    | 0.14 | 96.8 | 92.8 |
| 0              | 0.12              | 0.23 | 0.44 | 0.93 | 2.39 | 5.22 | 9.42 | 13.8 | 16.6             | 16.4 | 13.4 | 8.95 | 4.84 | 2.19 | 0.91 | 0.45 | 0.25    | 0.13 | 96.6 | 92.7 |
| -5             | 0.11              | 0.21 | 0.38 | 0.76 | 1.92 | 4.23 | 7.75 | 11.3 | 13.6             | 13.5 | 11.1 | 7.41 | 3.95 | 1.79 | 0.75 | 0.39 | 0.22    | 0.12 | 79.6 | 75.7 |
| -10            | 0.09              | 0.17 | 0.31 | 0.56 | 1.27 | 2.78 | 5.19 | 7.75 | 9.30             | 9.23 | 7.57 | 4.97 | 2.60 | 1.22 | 0.57 | 0.32 | 0.18    | 0.10 | 54.2 | 49.8 |
| -15            | 0.07              | 0.13 | 0.23 | 0.39 | 0.72 | 1.50 | 2.68 | 4.07 | 5.04             | 5.00 | 3.97 | 2.56 | 1.43 | 0.71 | 0.40 | 0.24 | 0.14    | 0.08 | 29.4 | 24.3 |
| -20            | 0.06              | 0.10 | 0.16 | 0.26 | 0.41 | 0.67 | 1.13 | 1.64 | 1.93             | 1.91 | 1.60 | 1.11 | 0.67 | 0.42 | 0.27 | 0.17 | 0.10    | 0.06 | 12.7 | 4.53 |
| -25            | 0.04              | 0.07 | 0.11 | 0.17 | 0.24 | 0.33 | 0.44 | 0.56 | 0.62             | 0.62 | 0.56 | 0.44 | 0.34 | 0.25 | 0.17 | 0.12 | 0.07    | 0.05 | 5.19 | 0.00 |
| -30            | 0.03              | 0.04 | 0.07 | 0.10 | 0.14 | 0.18 | 0.21 | 0.22 | 0.22             | 0.22 | 0.23 | 0.21 | 0.18 | 0.14 | 0.11 | 0.07 | 0.05    | 0.03 | 2.45 | 0.00 |
| -35            | 0.02              | 0.03 | 0.04 | 0.05 | 0.07 | 0.09 | 0.10 | 0.11 | 0.10             | 0.10 | 0.11 | 0.11 | 0.09 | 0.08 | 0.06 | 0.04 | 0.03    | 0.02 | 1.25 | 0.00 |
| -40            | 0.01              | 0.02 | 0.02 | 0.03 | 0.03 | 0.04 | 0.04 | 0.04 | 0.03             | 0.03 | 0.04 | 0.04 | 0.04 | 0.04 | 0.03 | 0.03 | 0.02    | 0.01 | 0.56 | 0.00 |
| -45            | 0.01              | 0.02 | 0.02 | 0.03 | 0.03 | 0.04 | 0.04 | 0.04 | 0.03             | 0.03 | 0.04 | 0.04 | 0.04 | 0.04 | 0.03 | 0.03 | 0.02    | 0.01 | 0.56 | 0.00 |
|                | -45               | -40  | -35  | -30  | -25  | -20  | -15  | -10  | HORIZONTAL (DEG) | 10   | 15   | 20   | 25   | 30   | 35   | 40   | 45      |      |      |      |
| Φ t            | 1.47              | 2.54 | 4.31 | 7.67 | 16.0 | 32.0 | 55.9 | 81.2 | 97.2             | 96.4 | 79.1 | 53.6 | 30.2 | 15.2 | 7.71 | 4.48 | 2.66    | 1.56 | 589  | ---  |
| Φ a            | 0.00              | 0.00 | 0.00 | 0.00 | 8.74 | 26.5 | 51.1 | 76.4 | 92.8             | 92.0 | 74.4 | 48.5 | 24.4 | 7.15 | 0.00 | 0.00 | 0.00    | 0.00 | ---  | 502  |

one-half-peak spread: U:13.4,D:13.2 , L:13.9,R:13.3

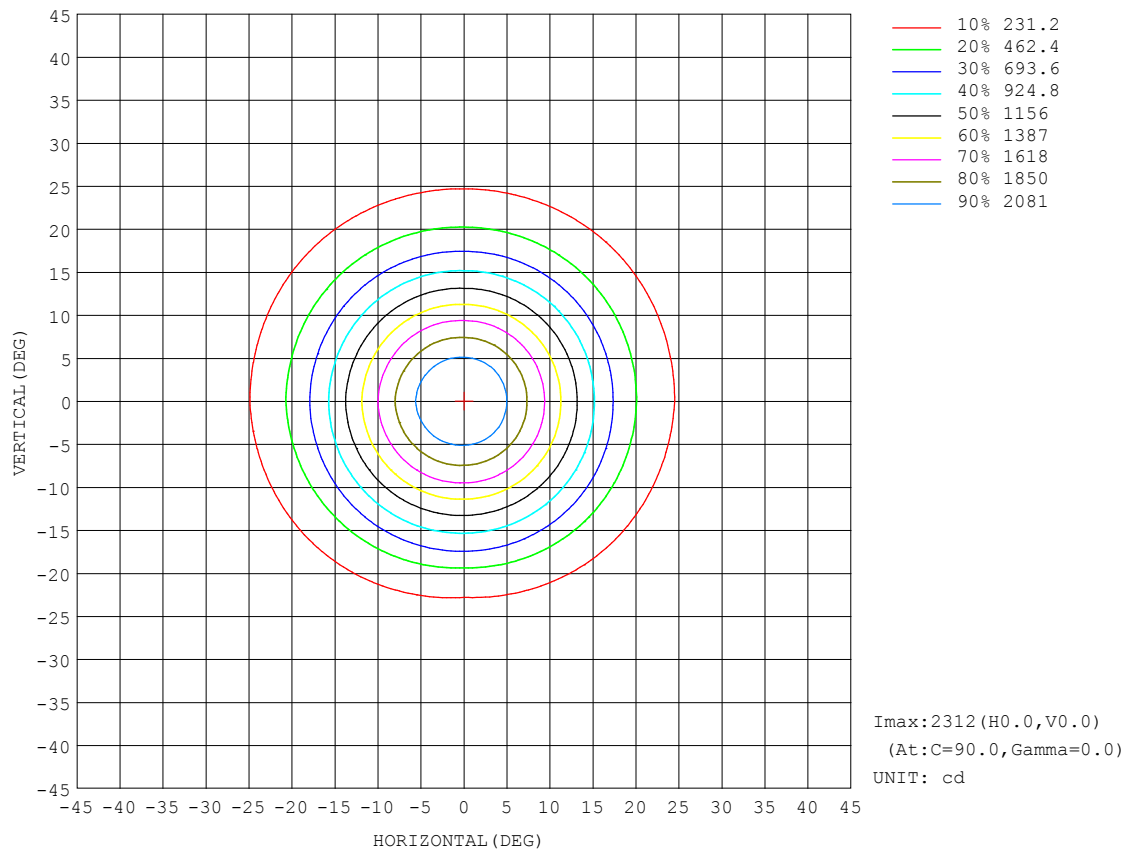
NEMA Beam Type: Type 4

H(β) Range:-90 - 90DEG  
H(β) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ADMIN  
Test Date:2023-06-07

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:12.06V I:1.308A P:11.49W PF:0.7289 Freq:59.99Hz Lamp Flux:609.603x1 lm |                                     |                                 |
| NAME: LED LANDSCAPE LIGHT                                                     | TYPE:Aluminum Spotlight RGBWWEIGHT: |                                 |
| SPEC.:12W 5700K 40°LENS                                                       | DIM.:                               | SERIAL No.:1                    |
| MFR.: EVERFINE                                                                | SUR.:                               | Shielding Angle:UP-LIGHT SHROUD |

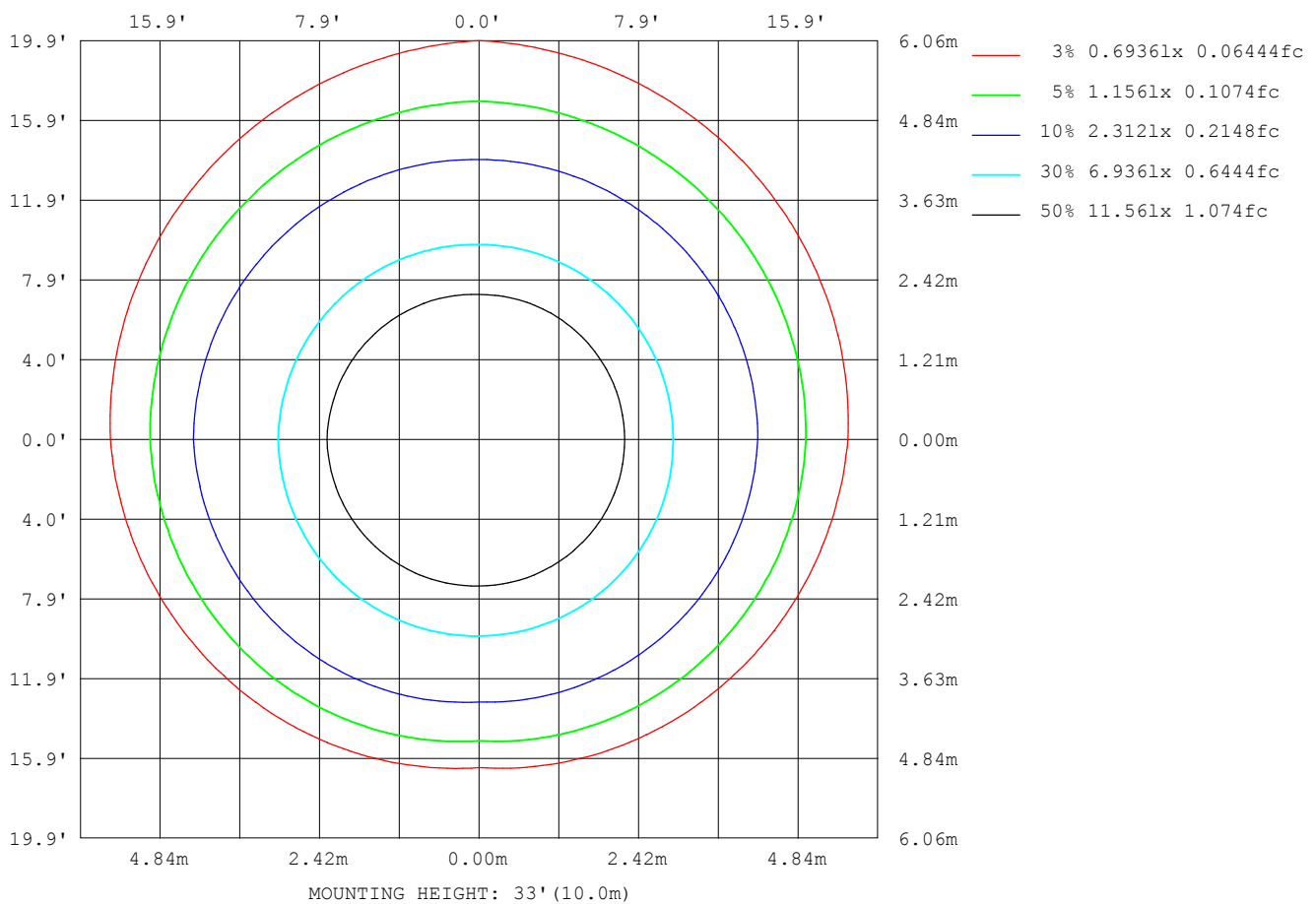


H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ADMIN  
Test Date:2023-06-07

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

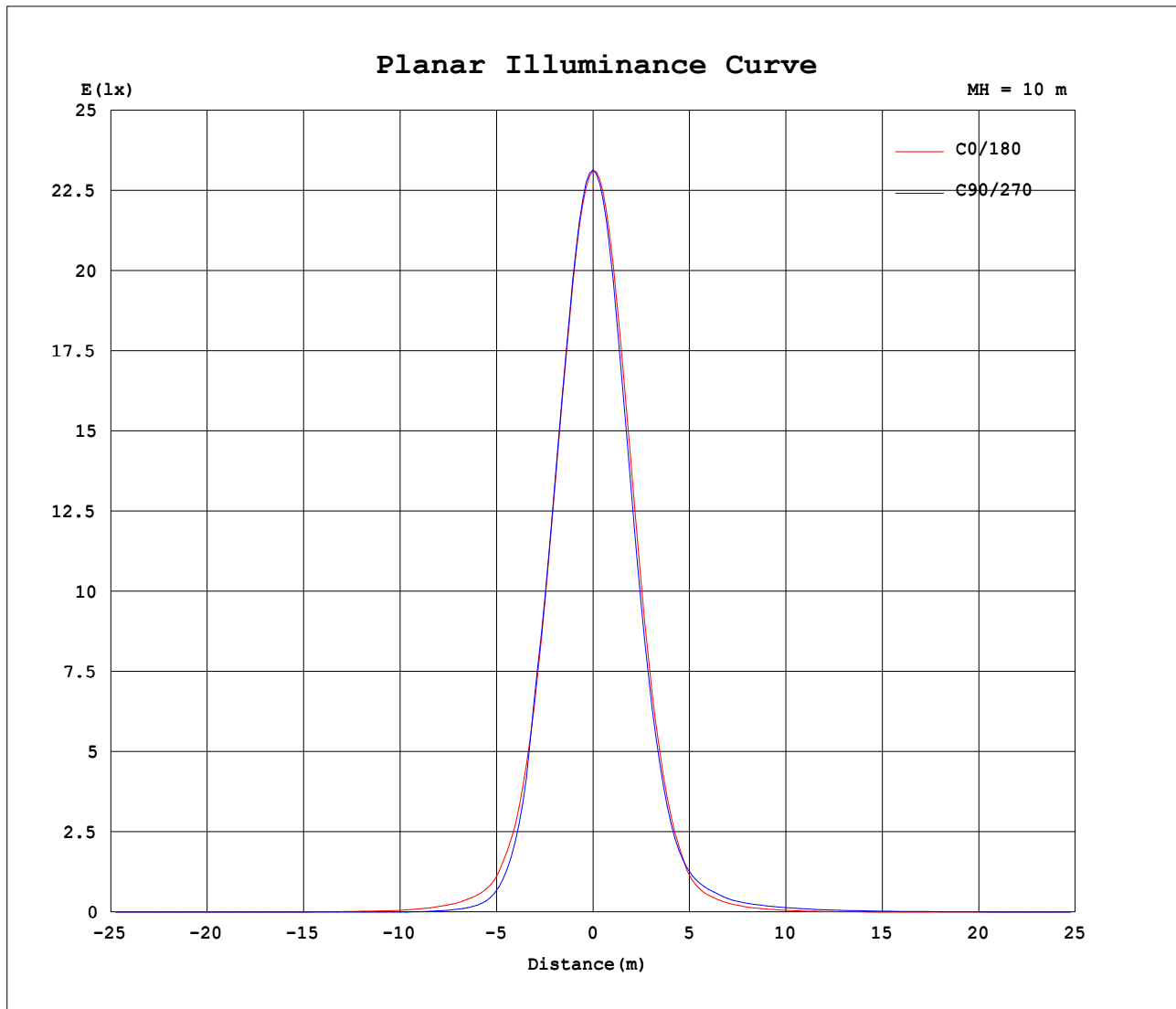
|                                                                               |                                     |                                 |
|-------------------------------------------------------------------------------|-------------------------------------|---------------------------------|
| Test:U:12.06V I:1.308A P:11.49W PF:0.7289 Freq:59.99Hz Lamp Flux:609.603x1 lm |                                     |                                 |
| NAME: LED LANDSCAPE LIGHT                                                     | TYPE:Aluminum Spotlight RGBWWEIGHT: |                                 |
| SPEC.:12W 5700K 40°LENS                                                       | DIM.:                               | SERIAL No.:1                    |
| MFR.: EVERFINE                                                                | SUR.:                               | Shielding Angle:UP-LIGHT SHROUD |



H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ADMIN  
Test Date:2023-06-07

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

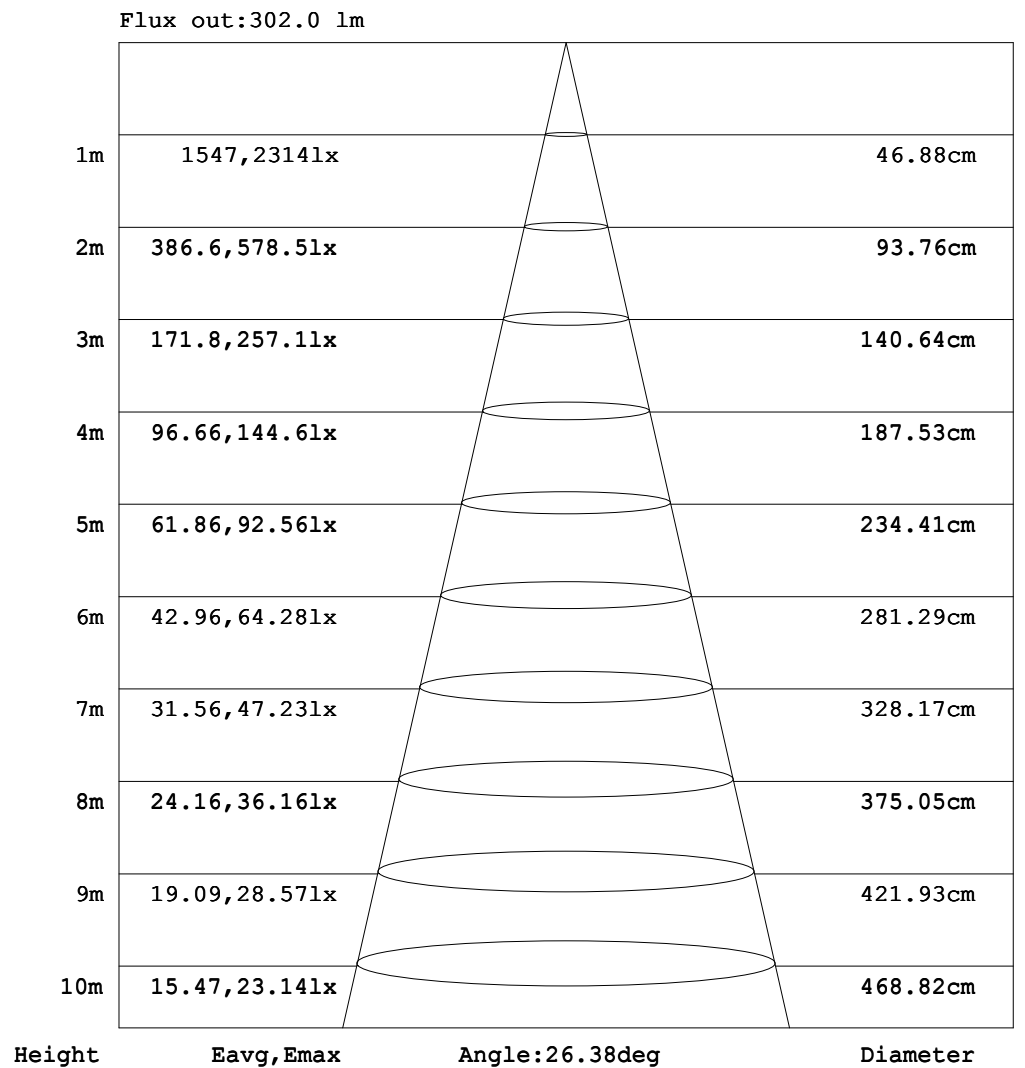


H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ADMIN  
Test Date:2023-06-07

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:12.06V I:1.308A P:11.49W PF:0.7289 Freq:59.99Hz Lamp Flux:609.603x1 lm |                                     |                                 |
| NAME: LED LANDSCAPE LIGHT                                                     | TYPE:Aluminum Spotlight RGBWWEIGHT: |                                 |
| SPEC.:12W 5700K 40°LENS                                                       | DIM.:                               | SERIAL No.:1                    |
| MFR.: EVERFINE                                                                | SUR.:                               | Shielding Angle:UP-LIGHT 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:2023-06-07

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:12.06V I:1.308A P:11.49W PF:0.7289 Freq:59.99Hz Lamp Flux:609.603x1 lm |                         |                                 |
| NAME: LED LANDSCAPE LIGHT                                                     | TYPE:Aluminum Spotlight | RGBWWWEIGHT:                    |
| SPEC.:12W 5700K 40°LENS                                                       | DIM.:                   | SERIAL No.:1                    |
| MFR.: EVERFINE                                                                | SUR.:                   | Shielding Angle:UP-LIGHT 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 | 0.00 | 0.00 | 0.07 | 0.33 | 0.85 | 1.78 | 3.15 | 4.79 | 6.39 | 7.66 | 8.35 | 8.71 | 8.88 |
| -170               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.03 | 0.11 | 0.37 | 0.92 | 1.83 | 3.15 | 4.74 | 6.34 | 7.68 | 8.52 | 8.95 | 9.19 |
| -160               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.02 | 0.05 | 0.09 | 0.29 | 0.71 | 1.38 | 2.38 | 3.64 | 5.00 | 6.27 | 7.30 | 8.05 | 8.52 |
| -150               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.05 | 0.09 | 0.17 | 0.40 | 0.78 | 1.34 | 2.07 | 2.93 | 3.82 | 4.61 | 5.23 | 5.64 |
| -140               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.03 | 0.07 | 0.11 | 0.19 | 0.33 | 0.55 | 0.84 | 1.21 | 1.59 | 1.98 | 2.28 | 2.48 |
| -130               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.03 | 0.06 | 0.10 | 0.14 | 0.21 | 0.28 | 0.38 | 0.49 | 0.60 | 0.70 | 0.77 |
| -120               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.02 | 0.04 | 0.07 | 0.09 | 0.13 | 0.15 | 0.18 | 0.21 | 0.23 |
| -110               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -100               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 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 |
| -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 |
| -70                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.06 | 0.05 | 0.04 | 0.04 | 0.03 | 0.02 | 0.01 | 0.00 |
| -60                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.10 | 0.09 | 0.14 | 0.16 | 0.20 | 0.20 | 0.21 | 0.22 | 0.20 | 0.16 | 0.09 | 0.00 |
| -50                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 0.11 | 0.20 | 0.29 | 0.40 | 0.68 | 1.14 | 1.57 | 1.83 | 1.88 | 1.69 | 1.28 | 0.69 | 0.00 |
| -40                | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.12 | 0.25 | 0.43 | 0.88 | 1.94 | 3.23 | 4.44 | 5.29 | 6.21 | 7.42 | 8.59 | 9.13 | 8.73 | 7.27 |
| -30                | 0.00 | 0.00 | 0.00 | 0.00 | 0.14 | 0.24 | 0.45 | 1.09 | 2.85 | 5.12 | 7.47 | 10.8 | 16.1 | 22.4 | 29.0 | 35.7 | 41.8 | 44.9 | 42.3 |
| -20                | 0.00 | 0.00 | 0.00 | 0.00 | 0.14 | 0.35 | 0.76 | 2.50 | 5.47 | 9.04 | 14.7 | 24.1 | 37.6 | 58.5 | 97.2 | 184  | 290  | 380  | 406  |
| -10                | 0.00 | 0.00 | 0.00 | 0.03 | 0.18 | 0.44 | 1.20 | 3.91 | 8.05 | 13.5 | 23.7 | 40.4 | 69.7 | 139  | 333  | 668  | 1088 | 1433 | 1559 |
| 0                  | 0.00 | 0.00 | 0.00 | 0.04 | 0.20 | 0.47 | 1.47 | 4.71 | 9.67 | 16.7 | 29.5 | 52.0 | 94.0 | 226  | 514  | 1008 | 1619 | 2132 | 2312 |
| 10                 | 0.00 | 0.01 | 0.02 | 0.09 | 0.38 | 0.90 | 2.09 | 5.50 | 10.7 | 17.6 | 29.6 | 48.9 | 83.9 | 157  | 354  | 674  | 1078 | 1419 | 1542 |
| 20                 | 0.00 | 0.02 | 0.04 | 0.10 | 0.47 | 1.15 | 2.27 | 5.20 | 9.90 | 16.0 | 24.9 | 37.9 | 57.2 | 89.2 | 137  | 230  | 343  | 443  | 478  |
| 30                 | 0.00 | 0.02 | 0.06 | 0.13 | 0.49 | 1.18 | 2.21 | 4.16 | 7.84 | 12.8 | 18.8 | 26.6 | 36.7 | 48.6 | 63.4 | 83.8 | 102  | 116  | 123  |
| 40                 | 0.00 | 0.03 | 0.07 | 0.14 | 0.35 | 0.92 | 1.88 | 3.18 | 5.28 | 8.60 | 12.8 | 17.6 | 23.0 | 28.8 | 35.3 | 41.6 | 47.2 | 51.7 | 54.6 |
| 50                 | 0.00 | 0.03 | 0.08 | 0.15 | 0.25 | 0.59 | 1.22 | 2.24 | 3.49 | 5.02 | 7.26 | 10.1 | 13.2 | 16.5 | 19.8 | 22.9 | 25.8 | 28.2 | 30.0 |
| 60                 | 0.00 | 0.03 | 0.08 | 0.14 | 0.23 | 0.34 | 0.55 | 1.06 | 1.76 | 2.77 | 3.85 | 5.07 | 6.37 | 7.76 | 9.34 | 10.9 | 12.4 | 13.6 | 14.6 |
| 70                 | 0.00 | 0.03 | 0.08 | 0.13 | 0.20 | 0.28 | 0.37 | 0.48 | 0.62 | 0.80 | 1.14 | 1.58 | 2.06 | 2.59 | 3.22 | 3.83 | 4.39 | 4.87 | 5.23 |
| 80                 | 0.00 | 0.03 | 0.07 | 0.11 | 0.16 | 0.21 | 0.27 | 0.33 | 0.40 | 0.48 | 0.55 | 0.63 | 0.71 | 0.79 | 0.88 | 0.96 | 1.03 | 1.11 | 1.18 |
| 90                 | 0.00 | 0.03 | 0.06 | 0.10 | 0.13 | 0.16 | 0.19 | 0.23 | 0.26 | 0.29 | 0.32 | 0.36 | 0.39 | 0.42 | 0.45 | 0.49 | 0.52 | 0.55 | 0.58 |
| 100                | 0.00 | 0.03 | 0.06 | 0.08 | 0.11 | 0.13 | 0.15 | 0.16 | 0.17 | 0.18 | 0.20 | 0.20 | 0.21 | 0.22 | 0.23 | 0.24 | 0.25 | 0.26 | 0.28 |
| 110                | 0.00 | 0.03 | 0.05 | 0.07 | 0.08 | 0.09 | 0.09 | 0.08 | 0.08 | 0.07 | 0.05 | 0.04 | 0.03 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 120                | 0.00 | 0.02 | 0.04 | 0.05 | 0.05 | 0.05 | 0.04 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 130                | 0.00 | 0.02 | 0.03 | 0.04 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 |
| 140                | 0.00 | 0.02 | 0.03 | 0.02 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.06 | 0.10 | 0.21 | 0.32 | 0.45 | 0.51 | 0.52 |
| 150                | 0.00 | 0.01 | 0.02 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.22 | 0.52 | 0.95 | 1.47 | 2.01 | 2.49 | 2.78 | 2.86 |
| 160                | 0.00 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.34 | 0.81 | 1.55 | 2.55 | 3.65 | 4.72 | 5.56 | 6.06 | 6.21 |
| 170                | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.23 | 0.68 | 1.46 | 2.65 | 4.11 | 5.63 | 6.90 | 7.70 | 8.03 | 8.08 |
| 180                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.33 | 0.85 | 1.78 | 3.15 | 4.79 | 6.39 | 7.66 | 8.35 | 8.71 | 8.90 |

H(β) Range:-90 - 90DEG  
H(β) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ADMIN  
Test Date:2023-06-07

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:12.06V I:1.308A P:11.49W PF:0.7289 Freq:59.99Hz Lamp Flux:609.603x1 lm |                         |                                 |
| NAME: LED LANDSCAPE LIGHT                                                     | TYPE:Aluminum Spotlight | RGBWWWEIGHT:                    |
| SPEC.:12W 5700K 40°LENS                                                       | DIM.:                   | SERIAL No.:1                    |
| MFR.: EVERFINE                                                                | SUR.:                   | Shielding Angle:UP-LIGHT 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               | 8.99 | 9.02 | 8.87 | 8.23 | 7.02 | 5.44 | 3.75 | 2.25 | 1.17 | 0.48 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| -170               | 9.19 | 9.11 | 8.68 | 7.81 | 6.52 | 4.96 | 3.39 | 2.02 | 1.07 | 0.47 | 0.16 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| -160               | 8.35 | 7.93 | 7.21 | 6.20 | 4.96 | 3.65 | 2.41 | 1.44 | 0.73 | 0.33 | 0.10 | 0.02 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| -150               | 5.49 | 5.09 | 4.48 | 3.70 | 2.85 | 2.02 | 1.30 | 0.76 | 0.39 | 0.18 | 0.05 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| -140               | 2.40 | 2.19 | 1.88 | 1.53 | 1.15 | 0.81 | 0.53 | 0.30 | 0.16 | 0.07 | 0.03 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| -130               | 0.73 | 0.66 | 0.57 | 0.46 | 0.35 | 0.26 | 0.15 | 0.10 | 0.06 | 0.03 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| -120               | 0.21 | 0.18 | 0.15 | 0.13 | 0.09 | 0.07 | 0.04 | 0.02 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| -110               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| -100               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 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 |  |
| -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 |  |
| -70                | 0.02 | 0.04 | 0.05 | 0.06 | 0.07 | 0.07 | 0.08 | 0.07 | 0.06 | 0.06 | 0.04 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| -60                | 0.11 | 0.21 | 0.26 | 0.26 | 0.25 | 0.23 | 0.22 | 0.20 | 0.19 | 0.16 | 0.13 | 0.10 | 0.06 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| -50                | 0.74 | 1.39 | 1.88 | 2.14 | 2.15 | 1.87 | 1.39 | 0.86 | 0.48 | 0.33 | 0.26 | 0.20 | 0.14 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 |  |
| -40                | 8.89 | 9.43 | 8.99 | 7.89 | 6.68 | 5.66 | 4.88 | 3.76 | 2.37 | 1.11 | 0.49 | 0.32 | 0.22 | 0.14 | 0.06 | 0.00 | 0.00 | 0.00 |  |
| -30                | 45.1 | 42.3 | 36.5 | 30.0 | 23.5 | 17.0 | 11.6 | 7.99 | 5.76 | 3.40 | 1.38 | 0.51 | 0.32 | 0.18 | 0.10 | 0.00 | 0.00 | 0.00 |  |
| -20                | 373  | 280  | 177  | 96.2 | 60.0 | 39.3 | 25.5 | 15.7 | 9.68 | 6.23 | 3.04 | 0.91 | 0.41 | 0.24 | 0.12 | 0.01 | 0.00 | 0.00 |  |
| -10                | 1411 | 1052 | 633  | 307  | 135  | 71.7 | 42.5 | 25.2 | 14.5 | 8.79 | 4.65 | 1.52 | 0.50 | 0.29 | 0.14 | 0.02 | 0.00 | 0.00 |  |
| 0                  | 2080 | 1544 | 943  | 467  | 213  | 95.4 | 54.7 | 31.5 | 18.0 | 10.4 | 5.59 | 1.85 | 0.55 | 0.31 | 0.15 | 0.03 | 0.00 | 0.00 |  |
| 10                 | 1397 | 1043 | 639  | 329  | 154  | 86.0 | 51.0 | 31.1 | 18.7 | 11.4 | 6.24 | 2.41 | 0.96 | 0.48 | 0.20 | 0.05 | 0.01 | 0.00 |  |
| 20                 | 435  | 332  | 224  | 136  | 90.7 | 58.9 | 39.3 | 25.9 | 16.7 | 10.7 | 5.74 | 2.43 | 1.21 | 0.57 | 0.22 | 0.05 | 0.02 | 0.00 |  |
| 30                 | 116  | 102  | 84.7 | 64.4 | 49.6 | 37.6 | 27.4 | 19.3 | 13.4 | 8.39 | 4.45 | 2.27 | 1.25 | 0.54 | 0.22 | 0.06 | 0.02 | 0.00 |  |
| 40                 | 51.8 | 47.5 | 42.0 | 35.7 | 29.3 | 23.3 | 18.1 | 13.3 | 9.02 | 5.51 | 3.24 | 1.96 | 1.01 | 0.44 | 0.20 | 0.07 | 0.03 | 0.00 |  |
| 50                 | 28.3 | 25.9 | 23.1 | 20.0 | 16.8 | 13.5 | 10.3 | 7.44 | 5.10 | 3.52 | 2.30 | 1.30 | 0.64 | 0.33 | 0.16 | 0.08 | 0.03 | 0.00 |  |
| 60                 | 13.6 | 12.4 | 11.0 | 9.38 | 7.80 | 6.40 | 5.09 | 3.89 | 2.82 | 1.82 | 1.09 | 0.64 | 0.40 | 0.25 | 0.14 | 0.08 | 0.03 | 0.00 |  |
| 70                 | 4.88 | 4.41 | 3.85 | 3.24 | 2.62 | 2.08 | 1.60 | 1.19 | 0.87 | 0.67 | 0.52 | 0.39 | 0.28 | 0.20 | 0.13 | 0.08 | 0.03 | 0.00 |  |
| 80                 | 1.11 | 1.04 | 0.96 | 0.88 | 0.79 | 0.71 | 0.63 | 0.55 | 0.48 | 0.40 | 0.33 | 0.27 | 0.21 | 0.16 | 0.11 | 0.07 | 0.03 | 0.00 |  |
| 90                 | 0.55 | 0.52 | 0.49 | 0.45 | 0.42 | 0.39 | 0.36 | 0.32 | 0.29 | 0.26 | 0.23 | 0.19 | 0.16 | 0.13 | 0.10 | 0.06 | 0.03 | 0.00 |  |
| 100                | 0.26 | 0.25 | 0.24 | 0.23 | 0.22 | 0.21 | 0.20 | 0.20 | 0.18 | 0.17 | 0.16 | 0.15 | 0.13 | 0.11 | 0.08 | 0.06 | 0.03 | 0.00 |  |
| 110                | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.03 | 0.04 | 0.05 | 0.07 | 0.08 | 0.08 | 0.09 | 0.09 | 0.08 | 0.07 | 0.05 | 0.03 | 0.00 |  |
| 120                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.04 | 0.05 | 0.05 | 0.05 | 0.04 | 0.02 | 0.00 |  |
| 130                | 0.03 | 0.06 | 0.08 | 0.08 | 0.06 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.03 | 0.04 | 0.03 | 0.02 | 0.00 |  |
| 140                | 0.63 | 0.66 | 0.61 | 0.53 | 0.41 | 0.31 | 0.22 | 0.11 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.02 | 0.03 | 0.02 | 0.00 |  |
| 150                | 3.03 | 2.97 | 2.67 | 2.24 | 1.73 | 1.20 | 0.74 | 0.44 | 0.22 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.02 | 0.01 | 0.00 |  |
| 160                | 6.37 | 6.19 | 5.66 | 4.85 | 3.87 | 2.82 | 1.84 | 1.07 | 0.54 | 0.23 | 0.05 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 | 0.00 |  |
| 170                | 8.26 | 8.29 | 7.90 | 7.11 | 5.90 | 4.46 | 3.03 | 1.78 | 0.93 | 0.40 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 |  |
| 180                | 8.99 | 9.02 | 8.87 | 8.23 | 7.02 | 5.44 | 3.75 | 2.25 | 1.17 | 0.48 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |

H(β) Range:-90 - 90DEG  
H(β) Interval: 0.5DEG  
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Temperature:25.3DEG  
Operators:ADMIN  
Test Date:2023-06-07

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: