

## Floodlight Summary:

Report based on lamp delivering 1000 lumens.

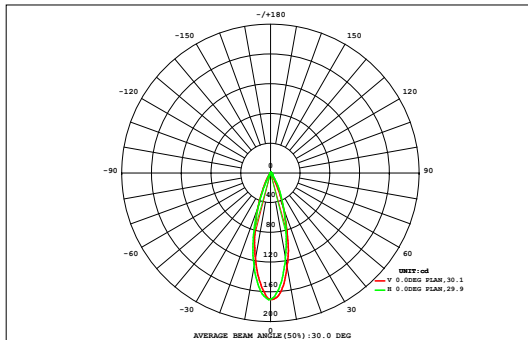
|  |                |                        |
|--|----------------|------------------------|
| Maximum Intensity                        |                | 3132.8 cd per klm.     |
| (Luminaire orientation as tested.)       |                | 0.0 degrees vertical   |
|  |                | 0.0 degrees horizontal |
| Beam Spread                              | At 10% of Imax | 57.0V x 55.0H          |
|  | At 50% of Imax | 29.9V x 30.1H          |
|  | At 90% of Imax | 10.7V x 10.9H          |
| Beam Flux                                | Total          | 1000.5 lumens per klm. |
|  | To 10% of Imax | 890.6 lumens per klm.  |
|  | To 50% of Imax | 479.1 lumens per klm.  |
|  | To 90% of Imax | 86.5 lumens per klm.   |
|  | Upward LOR     | 0.6 %                  |
|  | Downward LOR   | 99.5 %                 |
| 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:2023-08-15

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:12.15V I:0.3510A P:2.630W PF:0.6166 Freq:59.98Hz Lamp Flux:54.4046x1 lm |                      |                         |
| NAME: LED LANDSCAPE LIGHT  | TYPE:Nano Knuckle CW | WEIGHT:                 |
| SPEC.:3W 2700K 30°LENS   | DIM.:                | SERIAL No.:1            |
| MFR.: EVERFINE   | SUR.:                | Shielding Angle:LAB-107 |



| DATA OF LAMP      |              | Eff:20.69lm/W    |          |
|-------------------|--------------|------------------|----------|
| MODEL             | N7B3-3W-30-A | Imax (cd)        | 170.4    |
| NOMINAL POWER (W) | 3            | AVAILABILITY (%) | 88.8     |
| RATED VOLTAGE (V) | 12           | Avai. FLUX (lm)  | 48.32    |
| NOMINAL FLUX (lm) | 54.4046      | LOR (%)          | 100.0    |
| LAMPS INSIDE      | 1            | TOTAL FLUX (lm)  | 54.40    |
| TEST VOLTAGE (V)  | 12           | θ @50% (H,V)     | 30,30DEG |

| VERTICAL (DEG) | AREA FLUX DIAGRAM |      |      |      |      |      |      |      |                  |      |      |      |      |      |      |      | UNIT:lm |      | Φ t  | Φ a  |
|----------------|-------------------|------|------|------|------|------|------|------|------------------|------|------|------|------|------|------|------|---------|------|------|------|
|                | 0.00              | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 | 0.02 | 0.02 | 0.03             | 0.03 | 0.02 | 0.02 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00    | 0.00 | 0.20 | 0.00 |
| 45             | 0.00              | 0.00 | 0.01 | 0.01 | 0.02 | 0.03 | 0.04 | 0.05 | 0.05             | 0.05 | 0.04 | 0.03 | 0.02 | 0.02 | 0.01 | 0.01 | 0.00    | 0.00 | 0.39 | 0.00 |
| 40             | 0.00              | 0.00 | 0.01 | 0.02 | 0.03 | 0.05 | 0.07 | 0.09 | 0.10             | 0.10 | 0.09 | 0.07 | 0.05 | 0.03 | 0.02 | 0.01 | 0.00    | 0.00 | 0.74 | 0.03 |
| 35             | 0.00              | 0.01 | 0.01 | 0.03 | 0.05 | 0.09 | 0.13 | 0.16 | 0.19             | 0.19 | 0.16 | 0.12 | 0.08 | 0.05 | 0.03 | 0.01 | 0.01    | 0.00 | 1.33 | 0.82 |
| 30             | 0.00              | 0.01 | 0.02 | 0.05 | 0.09 | 0.15 | 0.22 | 0.28 | 0.32             | 0.32 | 0.28 | 0.21 | 0.14 | 0.08 | 0.04 | 0.02 | 0.01    | 0.00 | 2.24 | 1.87 |
| 25             | 0.00              | 0.01 | 0.03 | 0.07 | 0.14 | 0.23 | 0.34 | 0.44 | 0.50             | 0.50 | 0.44 | 0.34 | 0.22 | 0.13 | 0.06 | 0.03 | 0.01    | 0.00 | 3.50 | 3.19 |
| 20             | 0.00              | 0.02 | 0.04 | 0.10 | 0.19 | 0.33 | 0.49 | 0.64 | 0.73             | 0.74 | 0.66 | 0.50 | 0.33 | 0.18 | 0.08 | 0.04 | 0.01    | 0.00 | 5.07 | 4.81 |
| 15             | 0.01              | 0.02 | 0.05 | 0.12 | 0.24 | 0.42 | 0.63 | 0.85 | 1.00             | 1.01 | 0.89 | 0.67 | 0.43 | 0.23 | 0.10 | 0.04 | 0.02    | 0.00 | 6.70 | 6.46 |
| 10             | 0.00              | 0.02 | 0.05 | 0.13 | 0.26 | 0.47 | 0.72 | 0.99 | 1.19             | 1.22 | 1.06 | 0.79 | 0.49 | 0.26 | 0.11 | 0.04 | 0.02    | 0.00 | 7.84 | 7.61 |
| 5              | 0.00              | 0.02 | 0.05 | 0.12 | 0.26 | 0.47 | 0.73 | 1.01 | 1.21             | 1.24 | 1.07 | 0.80 | 0.50 | 0.26 | 0.11 | 0.04 | 0.01    | 0.00 | 7.91 | 7.69 |
| 0              | 0.00              | 0.01 | 0.04 | 0.10 | 0.22 | 0.41 | 0.65 | 0.89 | 1.06             | 1.08 | 0.93 | 0.69 | 0.43 | 0.22 | 0.09 | 0.03 | 0.01    | 0.00 | 6.88 | 6.64 |
| -5             | 0.00              | 0.01 | 0.03 | 0.08 | 0.16 | 0.31 | 0.50 | 0.68 | 0.81             | 0.82 | 0.70 | 0.51 | 0.31 | 0.15 | 0.06 | 0.03 | 0.01    | 0.00 | 5.17 | 4.91 |
| -10            | 0.00              | 0.01 | 0.02 | 0.05 | 0.10 | 0.19 | 0.31 | 0.44 | 0.52             | 0.52 | 0.44 | 0.32 | 0.19 | 0.09 | 0.04 | 0.02 | 0.01    | 0.00 | 3.25 | 2.95 |
| -15            | 0.00              | 0.00 | 0.01 | 0.03 | 0.06 | 0.10 | 0.16 | 0.22 | 0.26             | 0.26 | 0.22 | 0.15 | 0.09 | 0.05 | 0.02 | 0.01 | 0.00    | 0.00 | 1.65 | 1.26 |
| -20            | 0.00              | 0.00 | 0.00 | 0.01 | 0.03 | 0.05 | 0.07 | 0.09 | 0.10             | 0.10 | 0.09 | 0.06 | 0.04 | 0.02 | 0.01 | 0.00 | 0.00    | 0.00 | 0.68 | 0.08 |
| -25            | 0.00              | 0.00 | 0.00 | 0.00 | 0.01 | 0.02 | 0.03 | 0.03 | 0.04             | 0.03 | 0.03 | 0.02 | 0.02 | 0.01 | 0.00 | 0.00 | 0.00    | 0.00 | 0.24 | 0.00 |
| -30            | 0.00              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.01             | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.06 | 0.00 |
| -35            | 0.00              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.01 | 0.00 |
| -40            | 0.00              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 |
| -45            | 0.00              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 |
|                | -45               | -40  | -35  | -30  | -25  | -20  | -15  | -10  | HORIZONTAL (DEG) | 10   | 15   | 20   | 25   | 30   | 35   | 40   | 45      |      |      |      |
| Φ t            | 0.04              | 0.14 | 0.40 | 0.92 | 1.86 | 3.32 | 5.11 | 6.88 | 8.11             | 8.22 | 7.13 | 5.32 | 3.35 | 1.79 | 0.80 | 0.33 | 0.12    | 0.04 | 54   | ---  |
| Φ a            | 0.00              | 0.00 | 0.00 | 0.31 | 1.47 | 2.98 | 4.80 | 6.59 | 7.83             | 7.93 | 6.84 | 5.01 | 3.01 | 1.37 | 0.19 | 0.00 | 0.00    | 0.00 | ---  | 48   |

one-half-peak spread: U:14.6,D:15.5 , L:15.7,R:14.6

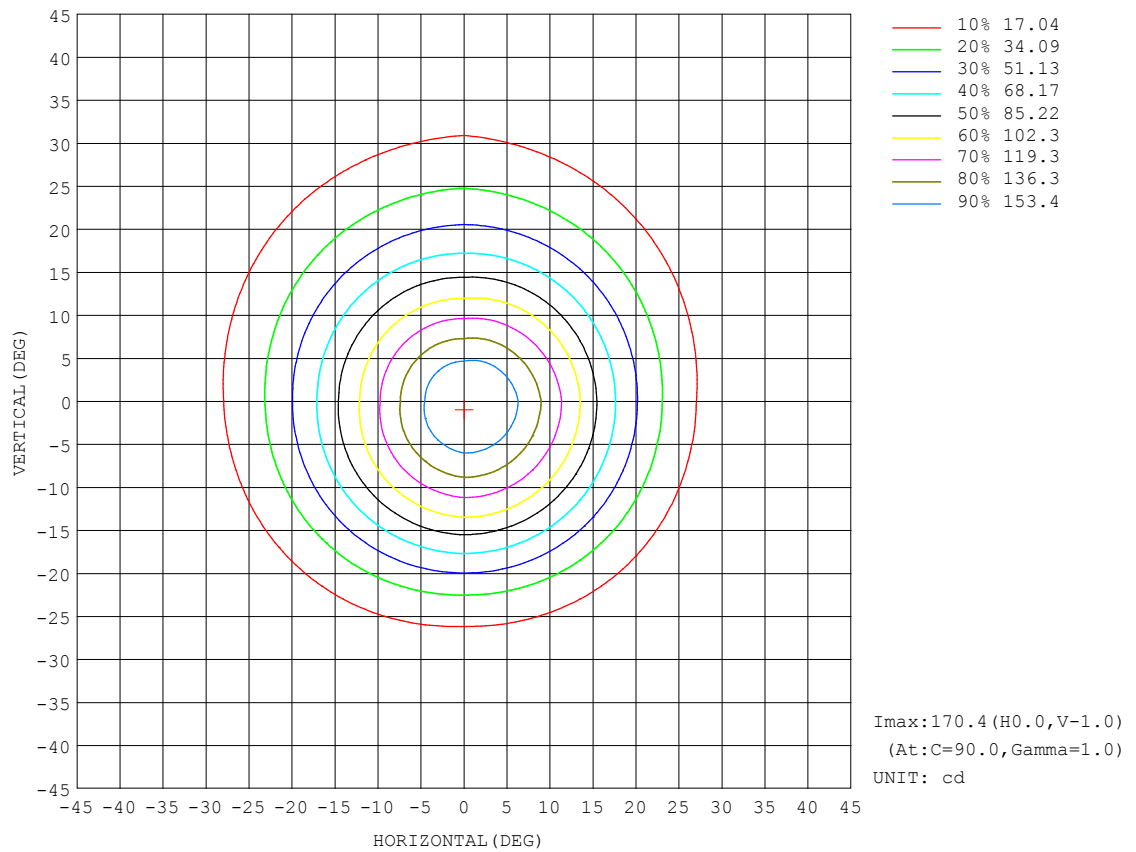
NEMA Beam Type: Type 4

H(β) Range:-90 - 90DEG  
H(β) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ADMIN  
Test Date:2023-08-15

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:12.15V I:0.3510A P:2.630W PF:0.6166 Freq:59.98Hz Lamp Flux:54.4046x1 lm |                      |                         |
| NAME: LED LANDSCAPE LIGHT  | TYPE:Nano Knuckle CW | WEIGHT:                 |
| SPEC.:3W 2700K 30°LENS   | DIM.:                | SERIAL No.:1            |
| MFR.: EVERFINE   | SUR.:                | Shielding Angle:LAB-107 |

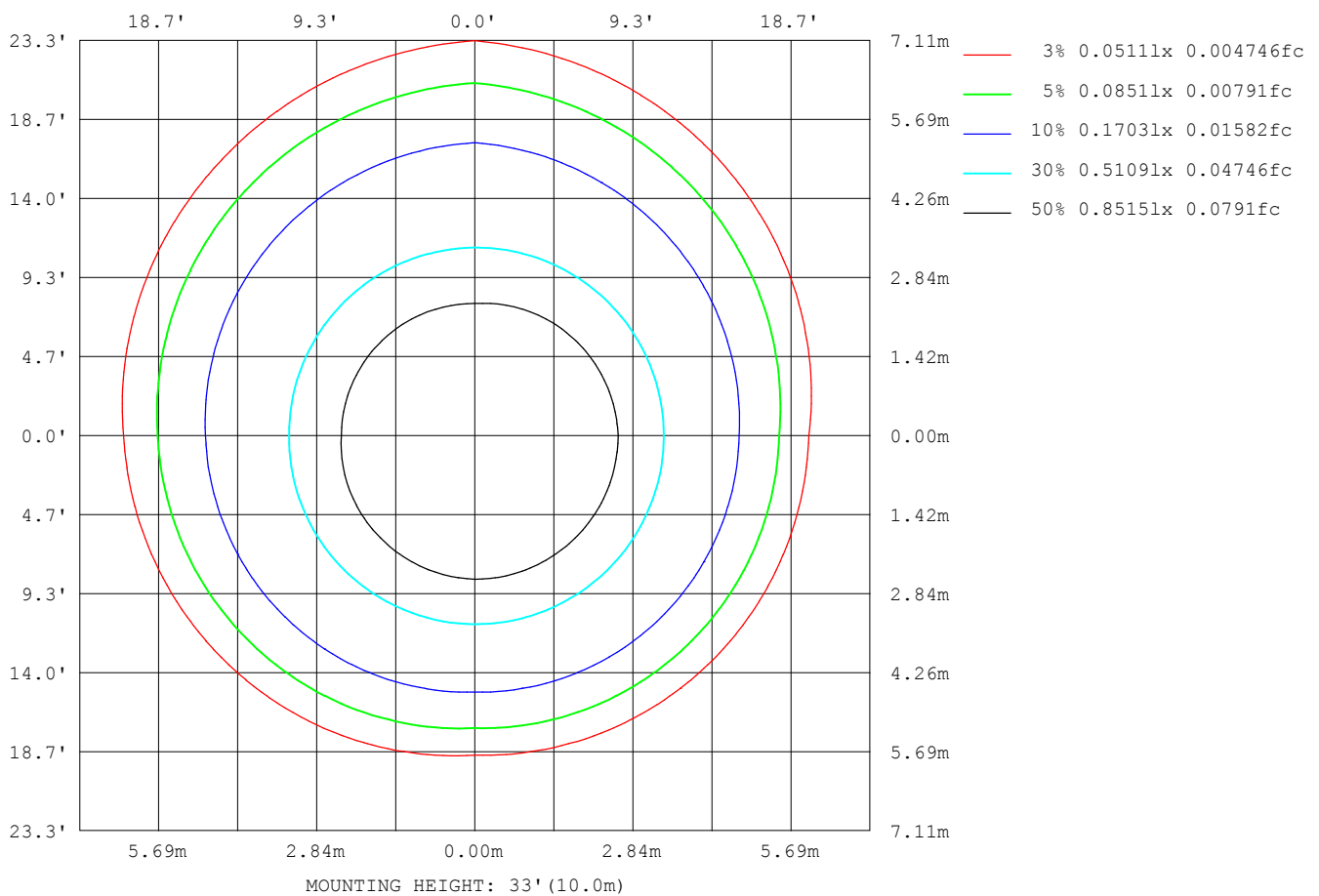


H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ADMIN  
Test Date:2023-08-15

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

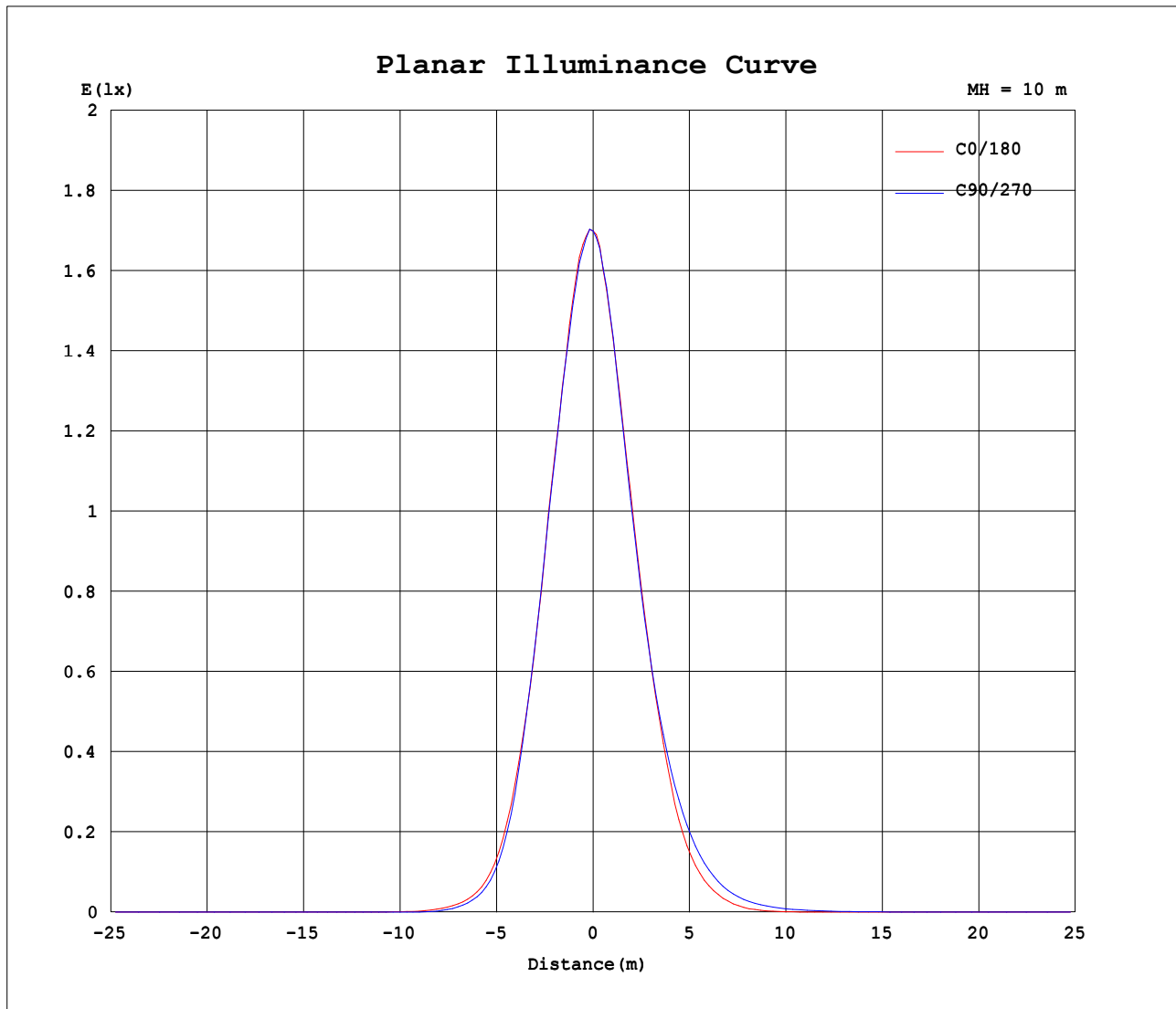
|  |                      |                         |
|--|----------------------|-------------------------|
| Test:U:12.15V I:0.3510A P:2.630W PF:0.6166 Freq:59.98Hz Lamp Flux:54.4046x1 lm |                      |                         |
| NAME: LED LANDSCAPE LIGHT  | TYPE:Nano Knuckle CW | WEIGHT:                 |
| SPEC.:3W 2700K 30°LENS   | DIM.:                | SERIAL No.:1            |
| MFR.: EVERFINE   | SUR.:                | Shielding Angle:LAB-107 |



H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ADMIN  
Test Date:2023-08-15

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

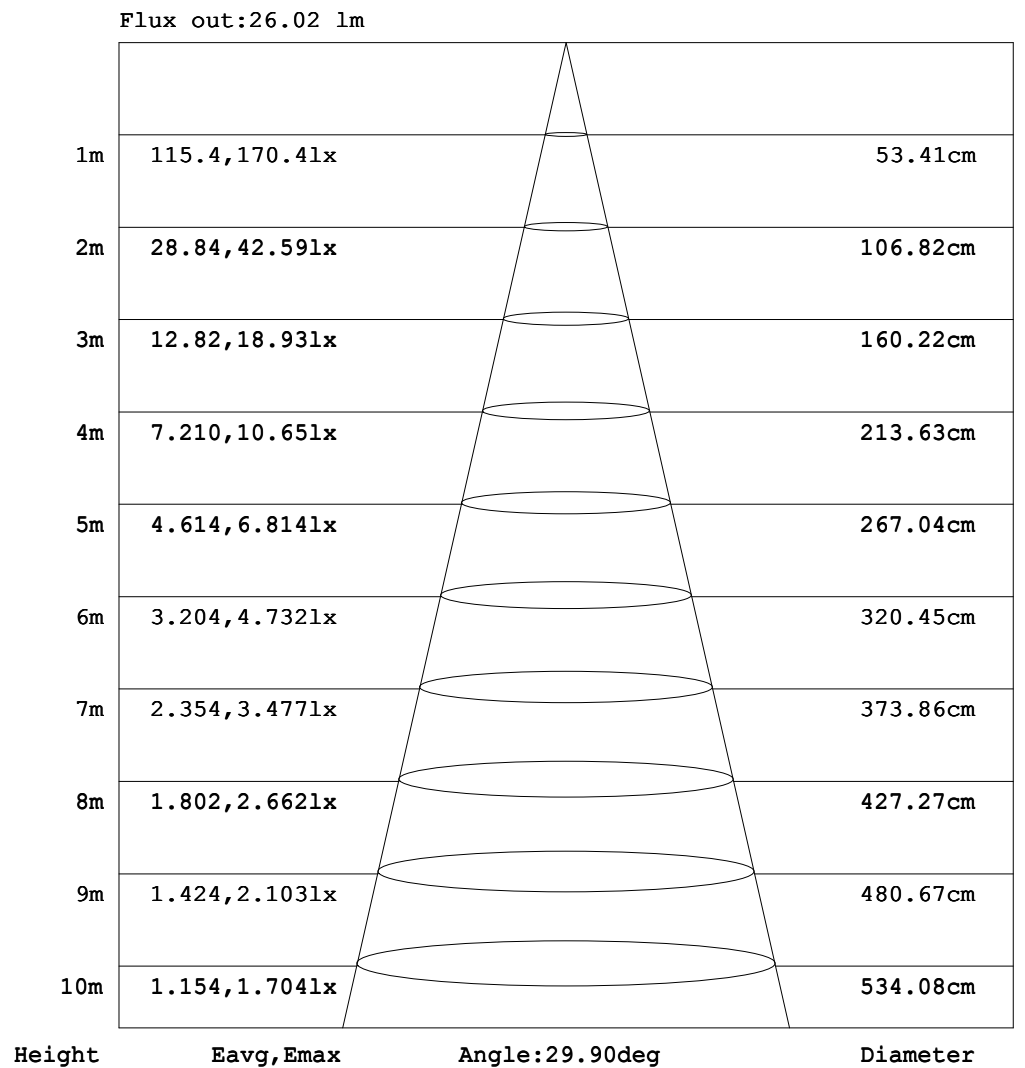


H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ADMIN  
Test Date:2023-08-15

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:12.15V I:0.3510A P:2.630W PF:0.6166 Freq:59.98Hz Lamp Flux:54.4046x1 lm |                      |                         |
| NAME: LED LANDSCAPE LIGHT  | TYPE:Nano Knuckle CW | WEIGHT:                 |
| SPEC.:3W 2700K 30°LENS   | DIM.:                | SERIAL No.:1            |
| MFR.: EVERFINE   | SUR.:                | Shielding Angle:LAB-107 |



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:2023-08-15

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:12.15V I:0.3510A P:2.630W PF:0.6166 Freq:59.98Hz Lamp Flux:54.4046x1 lm |                      |                         |
| NAME: LED LANDSCAPE LIGHT  | TYPE:Nano Knuckle CW | WEIGHT:                 |
| SPEC.:3W 2700K 30°LENS   | DIM.:                | SERIAL No.:1            |
| MFR.: EVERFINE   | SUR.:                | Shielding Angle:LAB-107 |

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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.19 | 0.31 | 0.39 | 0.47 | 0.51 | 0.54 |
| -170               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.04 | 0.17 | 0.30 | 0.40 | 0.48 | 0.54 | 0.58 |
| -160               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.09 | 0.18 | 0.30 | 0.38 | 0.42 | 0.46 |
| -150               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.05 | 0.10 | 0.17 | 0.21 | 0.24 |
| -140               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -120               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 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 | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -50                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 |
| -40                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.12 | 0.15 | 0.27 | 0.36 | 0.43 | 0.38 |
| -30                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.22 | 0.62 | 1.51 | 3.04 | 4.82 | 6.44 | 7.56 | 7.62 |
| -20                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.12 | 0.34 | 1.27 | 3.66 | 7.82 | 14.4 | 24.5 | 36.5 | 46.9 | 50.9 |
| -10                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.27 | 0.98 | 3.46 | 8.91 | 19.0 | 37.8 | 64.0 | 92.8 | 117  | 128  |
| 0                  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.33 | 1.47 | 5.06 | 12.3 | 26.4 | 50.7 | 82.5 | 117  | 151  | 170  |
| 10                 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.02 | 0.04 | 0.12 | 0.51 | 1.50 | 4.49 | 10.8 | 21.9 | 40.1 | 63.1 | 87.8 | 108  | 116  |
| 20                 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.03 | 0.06 | 0.13 | 0.44 | 1.04 | 2.64 | 6.08 | 11.9 | 20.3 | 31.0 | 42.0 | 50.3 | 53.6 |
| 30                 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.03 | 0.05 | 0.11 | 0.25 | 0.62 | 1.22 | 2.38 | 4.37 | 7.31 | 10.9 | 14.5 | 17.4 | 19.0 |
| 40                 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.04 | 0.08 | 0.14 | 0.26 | 0.48 | 0.88 | 1.40 | 2.06 | 2.89 | 3.74 | 4.48 | 4.95 |      |
| 50                 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.05 | 0.08 | 0.11 | 0.18 | 0.26 | 0.39 | 0.54 | 0.73 | 0.92 | 1.07 | 1.17 |      |      |
| 60                 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.04 | 0.07 | 0.09 | 0.13 | 0.15 | 0.18 | 0.21 | 0.24 | 0.26 |      |      |      |      |
| 70                 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.04 | 0.07 | 0.09 | 0.13 | 0.15 | 0.18 | 0.21 | 0.24 | 0.26 |      |      |      |      |
| 80                 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.04 | 0.07 | 0.09 | 0.13 | 0.15 | 0.18 | 0.21 | 0.24 | 0.26 |      |      |      |      |
| 90                 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.04 | 0.07 | 0.09 | 0.13 | 0.15 | 0.18 | 0.21 | 0.24 | 0.26 |      |      |      |      |
| 100                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.04 | 0.07 | 0.09 | 0.13 | 0.15 | 0.18 | 0.21 | 0.24 | 0.26 |      |      |      |      |
| 110                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.04 | 0.07 | 0.09 | 0.13 | 0.15 | 0.18 | 0.21 | 0.24 | 0.26 |      |      |      |      |
| 120                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.04 | 0.07 | 0.09 | 0.13 | 0.15 | 0.18 | 0.21 | 0.24 | 0.26 |      |      |      |      |
| 130                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.04 | 0.07 | 0.09 | 0.13 | 0.15 | 0.18 | 0.21 | 0.24 | 0.26 |      |      |      |      |
| 140                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.04 | 0.07 | 0.09 | 0.13 | 0.15 | 0.18 | 0.21 | 0.24 | 0.26 |      |      |      |      |
| 150                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.04 | 0.07 | 0.09 | 0.13 | 0.15 | 0.18 | 0.21 | 0.24 | 0.26 |      |      |      |      |
| 160                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.04 | 0.07 | 0.09 | 0.13 | 0.15 | 0.18 | 0.21 | 0.24 | 0.26 |      |      |      |      |
| 170                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.04 | 0.07 | 0.09 | 0.13 | 0.15 | 0.18 | 0.21 | 0.24 | 0.26 |      |      |      |      |
| 180                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.04 | 0.07 | 0.09 | 0.13 | 0.15 | 0.18 | 0.21 | 0.24 | 0.26 |      |      |      |      |

H(β) Range:-90 - 90DEG  
H(β) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ADMIN  
Test Date:2023-08-15

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:12.15V I:0.3510A P:2.630W PF:0.6166 Freq:59.98Hz Lamp Flux:54.4046x1 lm |                      |                         |
| NAME: LED LANDSCAPE LIGHT  | TYPE:Nano Knuckle CW | WEIGHT:                 |
| SPEC.:3W 2700K 30°LENS   | DIM.:                | SERIAL No.:1            |
| MFR.: EVERFINE   | SUR.:                | Shielding Angle:LAB-107 |

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               | 0.56 | 0.55 | 0.45 | 0.45 | 0.32 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| -170               | 0.56 | 0.51 | 0.47 | 0.39 | 0.30 | 0.16 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| -160               | 0.45 | 0.42 | 0.36 | 0.26 | 0.17 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| -150               | 0.22 | 0.20 | 0.13 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| -140               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| -120               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 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                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| -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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| -50                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| -40                | 0.41 | 0.33 | 0.25 | 0.13 | 0.09 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| -30                | 7.28 | 5.95 | 4.22 | 2.61 | 1.34 | 0.54 | 0.19 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| -20                | 47.1 | 36.5 | 23.9 | 13.1 | 6.48 | 2.96 | 1.09 | 0.31 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| -10                | 120  | 97.0 | 65.8 | 37.8 | 17.2 | 7.05 | 2.78 | 0.82 | 0.21 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| 0                  | 160  | 128  | 88.8 | 52.3 | 24.8 | 9.75 | 3.75 | 1.22 | 0.30 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| 10                 | 112  | 92.0 | 64.9 | 40.0 | 20.0 | 8.97 | 3.81 | 1.35 | 0.45 | 0.11 | 0.04 | 0.02 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| 20                 | 50.5 | 42.0 | 30.4 | 18.9 | 10.6 | 5.38 | 2.46 | 1.01 | 0.40 | 0.13 | 0.06 | 0.03 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| 30                 | 17.2 | 14.0 | 10.3 | 6.87 | 4.20 | 2.30 | 1.19 | 0.58 | 0.25 | 0.11 | 0.05 | 0.03 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| 40                 | 4.46 | 3.71 | 2.86 | 2.05 | 1.37 | 0.85 | 0.48 | 0.26 | 0.14 | 0.08 | 0.04 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| 50                 | 1.06 | 0.92 | 0.73 | 0.54 | 0.39 | 0.26 | 0.18 | 0.11 | 0.08 | 0.05 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| 60                 | 0.24 | 0.21 | 0.18 | 0.15 | 0.13 | 0.09 | 0.07 | 0.04 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| 70                 | 0.03 | 0.02 | 0.01 | 0.00 | 0.00 | 0.00 | 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 |  |
| 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 |  |
| 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 |  |
| 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 |  |
| 120                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| 140                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| 150                | 0.02 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| 160                | 0.28 | 0.25 | 0.22 | 0.13 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| 170                | 0.47 | 0.41 | 0.40 | 0.32 | 0.24 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| 180                | 0.56 | 0.55 | 0.45 | 0.45 | 0.32 | 0.16 | 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: 0.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ADMIN  
Test Date:2023-08-15

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: