

## Floodlight Summary:

Report based on lamp delivering 1000 lumens.

|                                    |                        |
|------------------------------------|------------------------|
| Maximum Intensity                  | 1061.7 cd per klm.     |
| (Luminaire orientation as tested.) | 0.0 degrees vertical   |
|                                    | 0.0 degrees horizontal |

|             |                |                 |
|-------------|----------------|-----------------|
| Beam Spread | At 10% of Imax | 102.1V x 101.5H |
|             | At 50% of Imax | 50.7V x 53.3H   |
|             | At 90% of Imax | 12.3V x 10.9H   |

|           |                |                        |
|-----------|----------------|------------------------|
| Beam Flux | Total          | 1000.1 lumens per klm. |
|           | To 10% of Imax | 928.0 lumens per klm.  |
|           | To 50% of Imax | 465.0 lumens per klm.  |
|           | To 90% of Imax | 34.6 lumens per klm.   |

|              |        |
|--------------|--------|
| Upward LOR   | 0.5 %  |
| Downward LOR | 99.5 % |

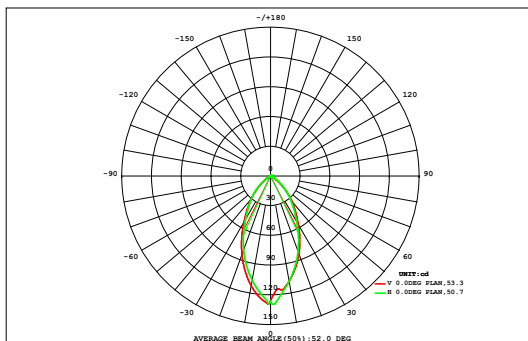
|  |         |
|--|---------|
| Luminaire Efficiency(Light Output Ratio) | 100.0 % |
|--|---------|

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ADMIN  
Test Date:2022-10-14

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:12.08V I:0.8908A P:7.826W PF:0.7275 Freq:59.97Hz Lamp Flux:122.097x1 lm |                        |                         |
| NAME: LED LANDSCAPE LAMP   | TYPE:Copper Path Light | WEIGHT:                 |
| SPEC.:8W 2700K Min beam angle  | DIM.:                  | SERIAL No.:1            |
| MFR.: EVERFINE   | SUR.:                  | Shielding Angle:LAB-041 |



| DATA OF LAMP      |               | Eff:15.60lm/W    |          |
|-------------------|---------------|------------------|----------|
| MODEL             | A6B1-8W-27K-A | Imax (cd)        | 129.6    |
| NOMINAL POWER (W) | 8             | AVAILABILITY (%) | 92.9     |
| RATED VOLTAGE (V) | 12            | Avai. FLUX (lm)  | 113.4    |
| NOMINAL FLUX (lm) | 122.097       | LOR (%)          | 100.0    |
| LAMPS INSIDE      | 1             | TOTAL FLUX (lm)  | 122.1    |
| TEST VOLTAGE (V)  | 12            | θ @50% (H,V)     | 53,51DEG |

| VERTICAL (DEG) | AREA FLUX DIAGRAM |      |      |      |      |      |      |      |                  |      |      |      |      |      |      |      | UNIT:lm |      | Φ t  | Φ a  |
|----------------|-------------------|------|------|------|------|------|------|------|------------------|------|------|------|------|------|------|------|---------|------|------|------|
|                | 0.00              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 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 | 0.00 |
| 80             | 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 | 0.08 | 0.00 |
| 70             | 0.00              | 0.00 | 0.00 | 0.00 | 0.01 | 0.03 | 0.04 | 0.06 | 0.07             | 0.07 | 0.06 | 0.04 | 0.03 | 0.01 | 0.01 | 0.00 | 0.00    | 0.00 | 0.42 | 0.00 |
| 60             | 0.00              | 0.00 | 0.00 | 0.01 | 0.04 | 0.07 | 0.13 | 0.20 | 0.26             | 0.26 | 0.21 | 0.14 | 0.07 | 0.04 | 0.02 | 0.00 | 0.00    | 0.00 | 1.45 | 0.13 |
| 50             | 0.00              | 0.00 | 0.01 | 0.03 | 0.08 | 0.21 | 0.40 | 0.58 | 0.69             | 0.70 | 0.60 | 0.42 | 0.22 | 0.08 | 0.03 | 0.01 | 0.00    | 0.00 | 4.05 | 3.22 |
| 40             | 0.00              | 0.00 | 0.01 | 0.04 | 0.17 | 0.44 | 0.77 | 1.06 | 1.24             | 1.25 | 1.08 | 0.80 | 0.47 | 0.19 | 0.05 | 0.01 | 0.00    | 0.00 | 7.59 | 7.10 |
| 30             | 0.00              | 0.00 | 0.02 | 0.07 | 0.30 | 0.69 | 1.16 | 1.65 | 1.99             | 1.99 | 1.68 | 1.20 | 0.73 | 0.33 | 0.08 | 0.02 | 0.00    | 0.00 | 11.9 | 11.5 |
|                | 0.00              | 0.00 | 0.02 | 0.10 | 0.41 | 0.89 | 1.56 | 2.33 | 2.82             | 2.80 | 2.32 | 1.60 | 0.95 | 0.45 | 0.12 | 0.02 | 0.00    | 0.00 | 16.4 | 16.1 |
|                | 0.00              | 0.00 | 0.02 | 0.12 | 0.47 | 1.02 | 1.85 | 2.81 | 3.51             | 3.41 | 2.75 | 1.88 | 1.09 | 0.52 | 0.14 | 0.02 | 0.00    | 0.00 | 19.6 | 19.3 |
|                | 0.00              | 0.00 | 0.02 | 0.12 | 0.46 | 1.01 | 1.85 | 2.80 | 3.49             | 3.40 | 2.74 | 1.87 | 1.08 | 0.51 | 0.14 | 0.02 | 0.00    | 0.00 | 19.5 | 19.2 |
|                | 0.00              | 0.00 | 0.02 | 0.10 | 0.40 | 0.88 | 1.54 | 2.30 | 2.79             | 2.77 | 2.30 | 1.58 | 0.94 | 0.44 | 0.11 | 0.02 | 0.00    | 0.00 | 16.2 | 15.9 |
| -30            | 0.00              | 0.00 | 0.02 | 0.07 | 0.29 | 0.67 | 1.13 | 1.61 | 1.93             | 1.93 | 1.63 | 1.18 | 0.72 | 0.32 | 0.08 | 0.02 | 0.00    | 0.00 | 11.6 | 11.2 |
| -40            | 0.00              | 0.00 | 0.01 | 0.04 | 0.16 | 0.42 | 0.74 | 1.02 | 1.19             | 1.19 | 1.05 | 0.77 | 0.45 | 0.18 | 0.05 | 0.01 | 0.00    | 0.00 | 7.29 | 6.78 |
| -50            | 0.00              | 0.00 | 0.01 | 0.02 | 0.07 | 0.18 | 0.37 | 0.54 | 0.65             | 0.65 | 0.56 | 0.39 | 0.20 | 0.07 | 0.03 | 0.01 | 0.00    | 0.00 | 3.75 | 2.87 |
| -60            | 0.00              | 0.00 | 0.00 | 0.01 | 0.03 | 0.06 | 0.11 | 0.17 | 0.21             | 0.21 | 0.17 | 0.11 | 0.06 | 0.03 | 0.01 | 0.00 | 0.00    | 0.00 | 1.20 | 0.00 |
| -70            | 0.00              | 0.00 | 0.00 | 0.00 | 0.01 | 0.02 | 0.03 | 0.04 | 0.05             | 0.05 | 0.04 | 0.03 | 0.02 | 0.01 | 0.00 | 0.00 | 0.00    | 0.00 | 0.32 | 0.00 |
| -80            | 0.00              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01             | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.05 | 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 | 0.00 |
|                | -90               | -80  | -70  | -60  | -50  | -40  | -30  | -20  | HORIZONTAL (DEG) | 20   | 30   | 40   | 50   | 60   | 70   | 80   | 90      |      |      |      |
| Φ t            | 0.00              | 0.02 | 0.16 | 0.77 | 2.89 | 6.60 | 11.7 | 17.2 | 20.9             | 20.7 | 17.2 | 12.0 | 7.05 | 3.18 | 0.86 | 0.18 | 0.02    | 0.00 | 121  | ---  |
| Φ a            | 0.00              | 0.00 | 0.00 | 0.00 | 2.09 | 5.98 | 11.1 | 16.6 | 20.3             | 20.2 | 16.7 | 11.5 | 6.45 | 2.44 | 0.06 | 0.00 | 0.00    | 0.00 | ---  | 113  |

one-half-peak spread: U:24.2,D:25.0 , L:25.6,R:21.1

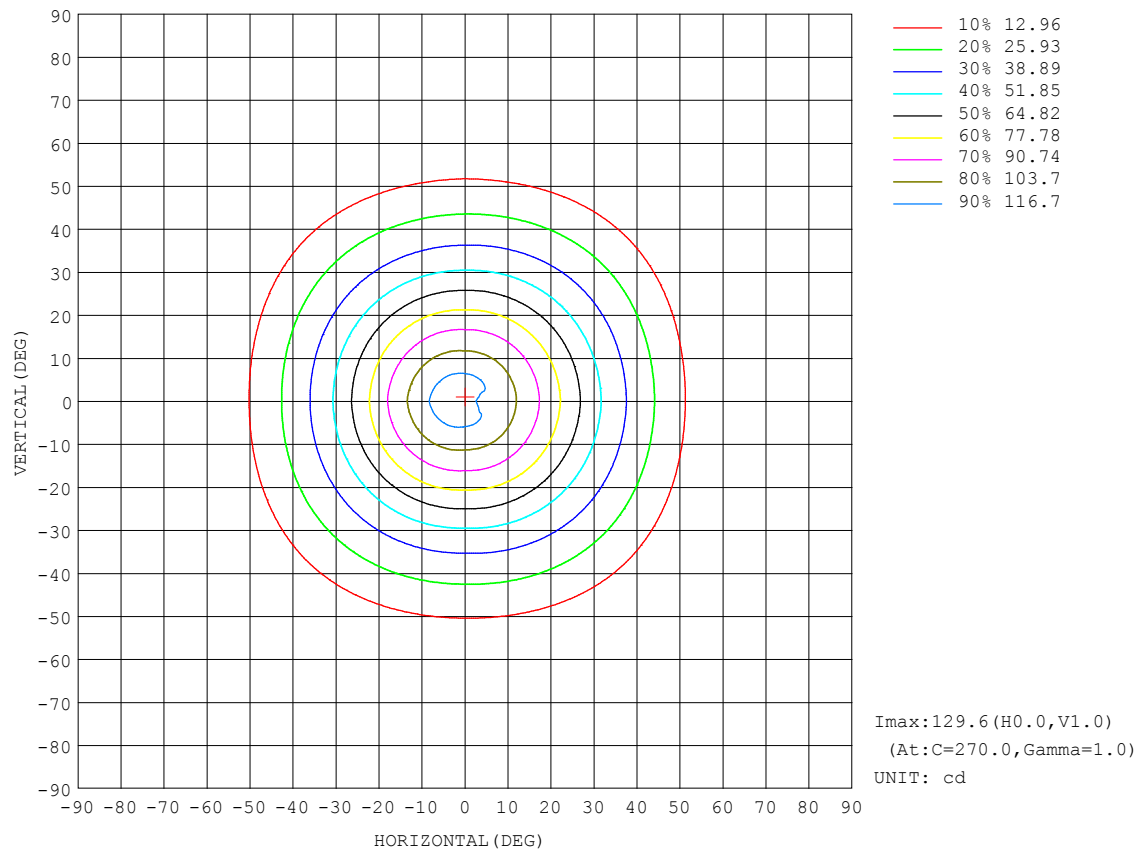
NEMA Beam Type: Type 6

H(β) Range:-90 - 90DEG  
H(β) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ADMIN  
Test Date:2022-10-14

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:12.08V I:0.8908A P:7.826W PF:0.7275 Freq:59.97Hz Lamp Flux:122.097x1 lm |                        |                         |
| NAME: LED LANDSCAPE LAMP   | TYPE:Copper Path Light | WEIGHT:                 |
| SPEC.:8W 2700K Min beam angle  | DIM.:                  | SERIAL No.:1            |
| MFR.: EVERFINE   | SUR.:                  | Shielding Angle:LAB-041 |

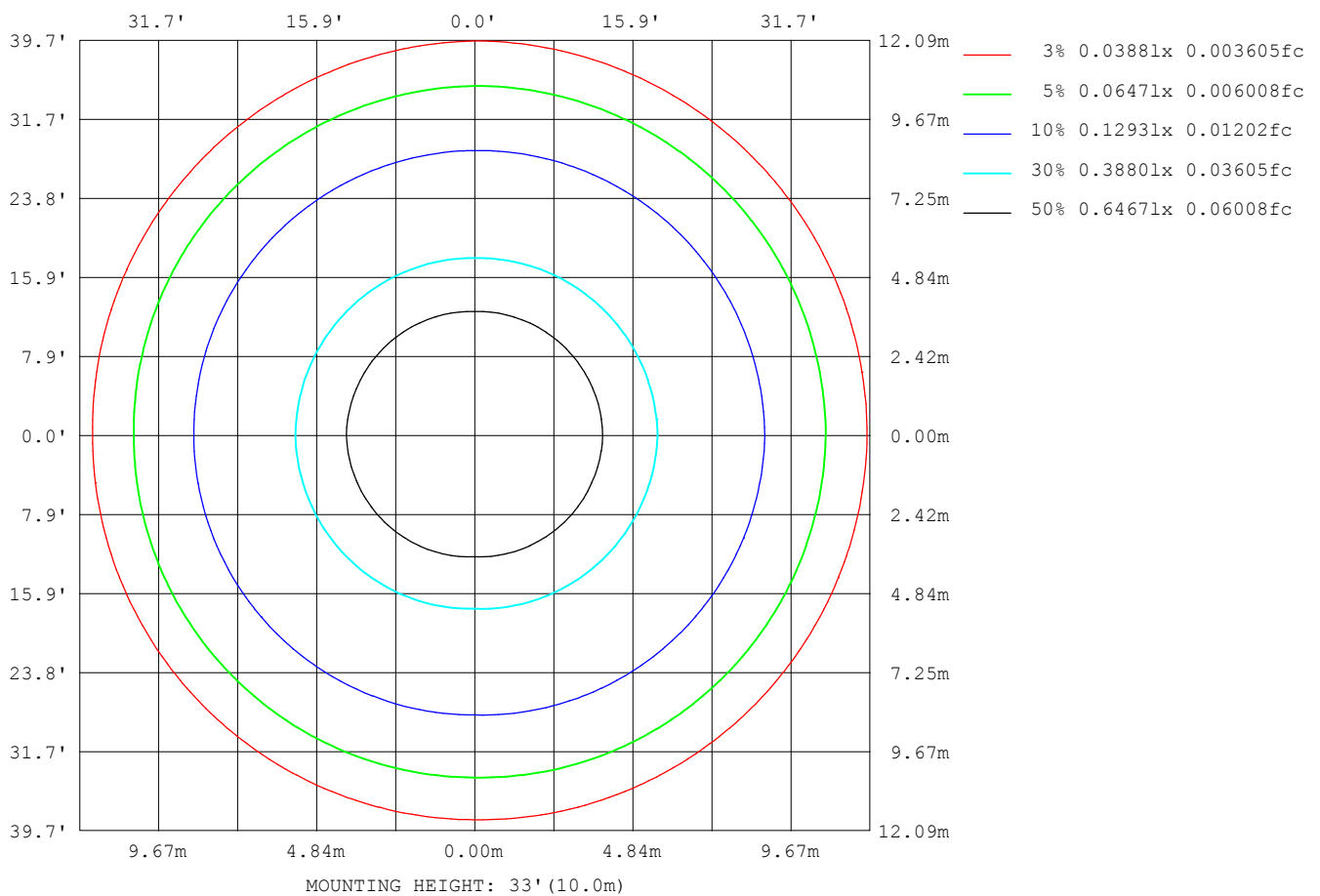


H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ADMIN  
Test Date:2022-10-14

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

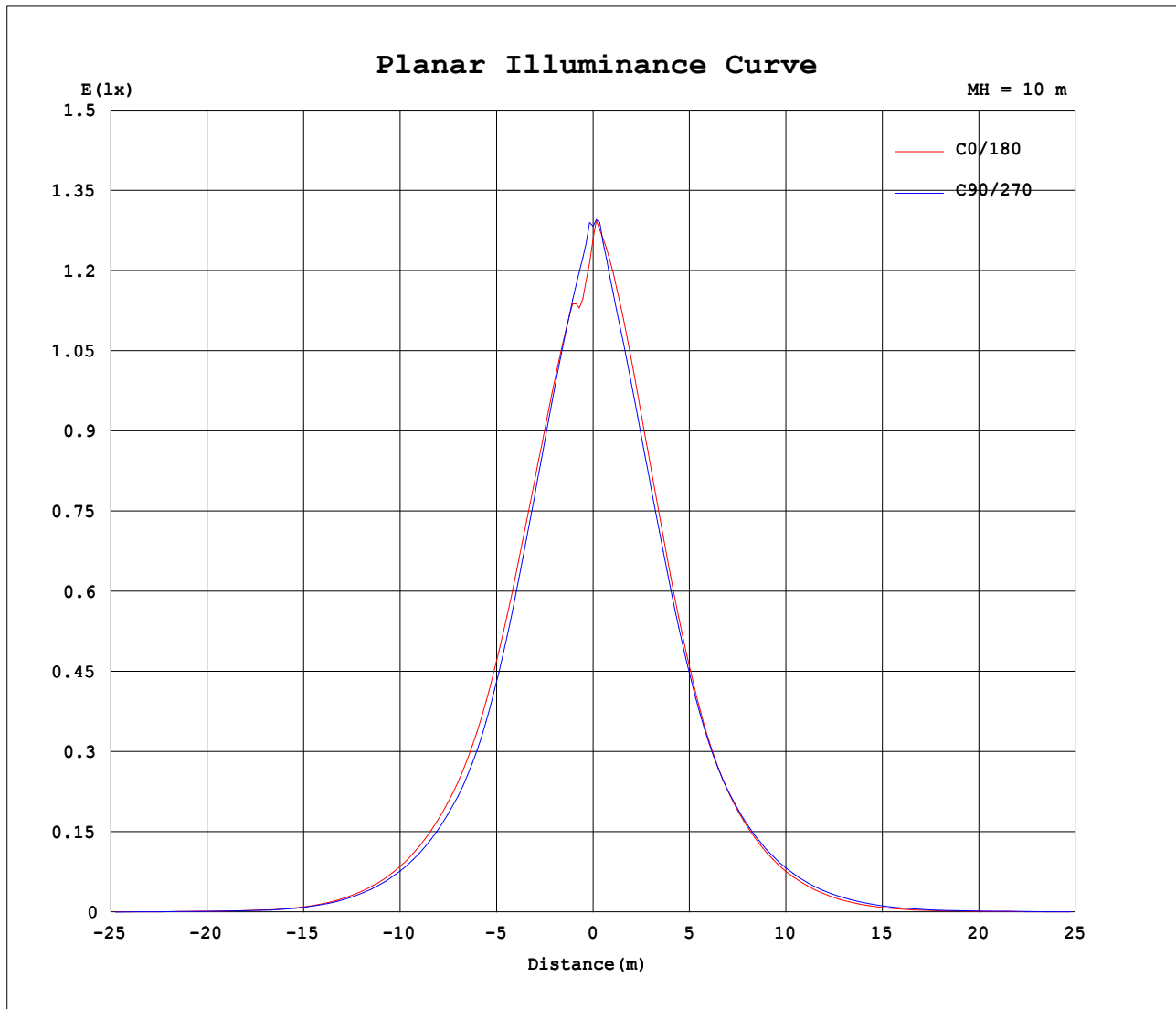
|  |                        |                         |
|--|------------------------|-------------------------|
| Test:U:12.08V I:0.8908A P:7.826W PF:0.7275 Freq:59.97Hz Lamp Flux:122.097x1 lm |                        |                         |
| NAME: LED LANDSCAPE LAMP   | TYPE:Copper Path Light | WEIGHT:                 |
| SPEC.:8W 2700K Min beam angle  | DIM.:                  | SERIAL No.:1            |
| MFR.: EVERFINE   | SUR.:                  | Shielding Angle:LAB-041 |



H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ADMIN  
Test Date:2022-10-14

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

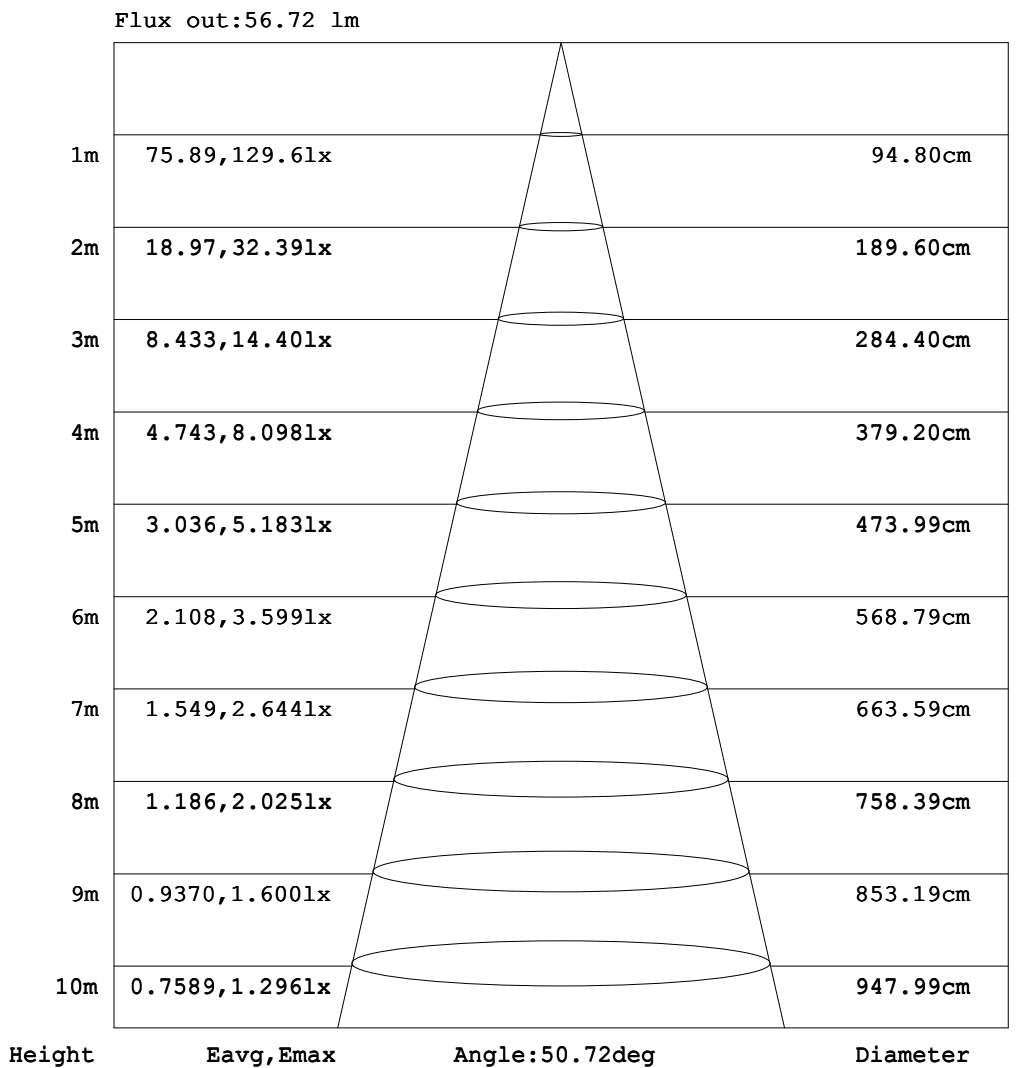


H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ADMIN  
Test Date:2022-10-14

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:12.08V I:0.8908A P:7.826W PF:0.7275 Freq:59.97Hz Lamp Flux:122.097x1 lm |                        |                         |
| NAME: LED LANDSCAPE LAMP   | TYPE:Copper Path Light | WEIGHT:                 |
| SPEC.:8W 2700K Min beam angle  | DIM.:                  | SERIAL No.:1            |
| MFR.: EVERFINE   | SUR.:                  | Shielding Angle:LAB-041 |



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:2022-10-14

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:12.08V I:0.8908A P:7.826W PF:0.7275 Freq:59.97Hz Lamp Flux:122.097x1 lm |                        |                         |
| NAME: LED LANDSCAPE LAMP   | TYPE:Copper Path Light | WEIGHT:                 |
| SPEC.:8W 2700K Min beam angle  | DIM.:                  | SERIAL No.:1            |
| MFR.: EVERFINE   | SUR.:                  | Shielding Angle:LAB-041 |

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 | 0.02 | 0.11 | 0.20 | 0.29 | 0.38 | 0.49 | 0.59 | 0.65 | 0.73 | 0.75 |
| -170               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.10 | 0.20 | 0.29 | 0.40 | 0.50 | 0.59 | 0.65 | 0.71 | 0.74 |
| -160               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.08 | 0.15 | 0.24 | 0.33 | 0.42 | 0.49 | 0.57 | 0.62 | 0.66 |
| -150               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.08 | 0.14 | 0.23 | 0.29 | 0.35 | 0.39 | 0.44 | 0.47 |
| -140               | 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 | 0.08 | 0.14 | 0.18 | 0.21 | 0.24 | 0.26 |
| -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 | 0.01 | 0.03 | 0.04 | 0.05 |
| -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 | 0.01 | 0.09 | 0.16 | 0.29 | 0.34 | 0.45 | 0.51 | 0.59 | 0.65 | 0.71 | 0.74 | 0.75 |
| -60                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.22 | 0.40 | 0.60 | 0.85 | 1.12 | 1.39 | 1.68 | 1.94 | 2.17 | 2.37 | 2.56 | 2.68 | 2.72 |
| -50                | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.32 | 0.61 | 0.99 | 1.43 | 1.95 | 2.55 | 3.69 | 5.41 | 7.41 | 9.39 | 11.1 | 12.5 | 13.3 | 13.6 |
| -40                | 0.00 | 0.00 | 0.00 | 0.02 | 0.30 | 0.62 | 1.12 | 1.75 | 2.55 | 4.46 | 7.70 | 11.7 | 15.9 | 20.0 | 23.5 | 26.5 | 28.6 | 30.0 | 30.4 |
| -30                | 0.00 | 0.00 | 0.00 | 0.12 | 0.46 | 0.96 | 1.67 | 2.64 | 5.36 | 10.1 | 15.9 | 22.0 | 28.1 | 33.8 | 39.1 | 43.7 | 47.5 | 49.9 | 50.6 |
| -20                | 0.00 | 0.00 | 0.00 | 0.18 | 0.62 | 1.26 | 2.13 | 4.30 | 9.19 | 16.0 | 23.5 | 31.4 | 39.5 | 48.2 | 58.0 | 67.2 | 74.3 | 78.7 | 79.6 |
| -10                | 0.00 | 0.00 | 0.00 | 0.27 | 0.72 | 1.47 | 2.54 | 5.89 | 12.2 | 20.1 | 28.9 | 38.3 | 49.2 | 62.6 | 76.3 | 89.0 | 99.1 | 106  | 107  |
| 0                  | 0.00 | 0.00 | 0.00 | 0.31 | 0.75 | 1.54 | 2.72 | 6.51 | 13.3 | 21.6 | 30.9 | 41.1 | 53.8 | 69.1 | 84.6 | 99.4 | 113  | 123  | 126  |
| 10                 | 0.00 | 0.00 | 0.00 | 0.28 | 0.73 | 1.50 | 2.61 | 6.03 | 12.4 | 20.3 | 29.2 | 38.5 | 49.6 | 63.1 | 76.8 | 89.5 | 99.7 | 106  | 108  |
| 20                 | 0.00 | 0.00 | 0.00 | 0.19 | 0.64 | 1.31 | 2.24 | 4.52 | 9.53 | 16.3 | 23.9 | 31.9 | 40.1 | 49.1 | 59.2 | 68.4 | 75.7 | 80.1 | 81.3 |
| 30                 | 0.00 | 0.00 | 0.00 | 0.13 | 0.49 | 1.02 | 1.78 | 2.86 | 5.77 | 10.6 | 16.5 | 22.7 | 28.9 | 34.7 | 40.2 | 45.1 | 49.2 | 52.0 | 52.9 |
| 40                 | 0.00 | 0.00 | 0.00 | 0.04 | 0.33 | 0.68 | 1.23 | 1.93 | 2.86 | 5.01 | 8.46 | 12.6 | 16.9 | 20.9 | 24.6 | 27.7 | 30.0 | 31.5 | 32.0 |
| 50                 | 0.00 | 0.00 | 0.00 | 0.00 | 0.12 | 0.37 | 0.69 | 1.12 | 1.65 | 2.26 | 3.01 | 4.42 | 6.38 | 8.59 | 10.7 | 12.6 | 14.0 | 15.0 | 15.4 |
| 60                 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.10 | 0.27 | 0.48 | 0.72 | 1.02 | 1.36 | 1.71 | 2.09 | 2.45 | 2.78 | 3.09 | 3.41 | 3.65 | 3.78 |
| 70                 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.06 | 0.15 | 0.25 | 0.38 | 0.48 | 0.60 | 0.71 | 0.82 | 0.91 | 0.99 | 1.05 | 1.08 |
| 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 | 0.01 | 0.02 | 0.03 | 0.04 | 0.04 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 | 0.02 | 0.02 | 0.01 | 0.03 | 0.04 |
| 150                | 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 | 0.10 | 0.15 | 0.18 | 0.23 | 0.28 | 0.29 |
| 160                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.09 | 0.17 | 0.24 | 0.32 | 0.36 | 0.43 | 0.44 | 0.43 |
| 170                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.07 | 0.16 | 0.25 | 0.34 | 0.44 | 0.51 | 0.59 | 0.61 | 0.60 |
| 180                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.11 | 0.20 | 0.29 | 0.38 | 0.49 | 0.59 | 0.65 | 0.73 | 0.75 |

H( $\beta$ ) Range:-90 - 90DEG  
 H( $\beta$ ) Interval: 0.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:ADMIN  
 Test Date:2022-10-14

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:12.08V I:0.8908A P:7.826W PF:0.7275 Freq:59.97Hz Lamp Flux:122.097x1 lm |                        |                         |
| NAME: LED LANDSCAPE LAMP   | TYPE:Copper Path Light | WEIGHT:                 |
| SPEC.:8W 2700K Min beam angle  | DIM.:                  | SERIAL No.:1            |
| MFR.: EVERFINE   | SUR.:                  | Shielding Angle:LAB-041 |

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               | 0.75 | 0.67 | 0.62 | 0.59 | 0.51 | 0.44 | 0.33 | 0.26 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| -170               | 0.71 | 0.67 | 0.64 | 0.59 | 0.48 | 0.43 | 0.32 | 0.18 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| -160               | 0.64 | 0.61 | 0.55 | 0.48 | 0.43 | 0.34 | 0.26 | 0.15 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| -150               | 0.46 | 0.43 | 0.39 | 0.35 | 0.30 | 0.20 | 0.15 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| -140               | 0.25 | 0.23 | 0.20 | 0.17 | 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 |  |
| -130               | 0.04 | 0.03 | 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 |  |
| -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                | 0.74 | 0.72 | 0.68 | 0.61 | 0.54 | 0.48 | 0.38 | 0.31 | 0.19 | 0.13 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| -60                | 2.71 | 2.61 | 2.44 | 2.26 | 2.04 | 1.78 | 1.49 | 1.20 | 0.93 | 0.67 | 0.45 | 0.26 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| -50                | 13.5 | 12.7 | 11.5 | 9.77 | 7.78 | 5.72 | 3.91 | 2.74 | 2.13 | 1.58 | 1.09 | 0.69 | 0.37 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| -40                | 30.2 | 29.2 | 27.2 | 24.4 | 20.9 | 16.9 | 12.6 | 8.37 | 4.82 | 2.80 | 1.95 | 1.25 | 0.72 | 0.34 | 0.07 | 0.00 | 0.00 | 0.00 |  |
| -30                | 50.2 | 48.1 | 44.7 | 40.4 | 35.3 | 29.7 | 23.6 | 17.3 | 11.1 | 5.91 | 2.93 | 1.89 | 1.09 | 0.54 | 0.18 | 0.00 | 0.00 | 0.00 |  |
| -20                | 78.6 | 74.3 | 67.5 | 59.0 | 49.9 | 41.6 | 33.6 | 25.6 | 17.6 | 10.3 | 4.77 | 2.46 | 1.44 | 0.72 | 0.24 | 0.00 | 0.00 | 0.00 |  |
| -10                | 104  | 97.6 | 87.8 | 76.3 | 63.7 | 51.4 | 41.0 | 31.5 | 22.3 | 13.7 | 6.67 | 2.88 | 1.69 | 0.85 | 0.32 | 0.00 | 0.00 | 0.00 |  |
| 0                  | 115  | 108  | 96.6 | 83.8 | 70.0 | 56.2 | 44.3 | 34.0 | 24.2 | 15.1 | 7.45 | 3.09 | 1.78 | 0.90 | 0.34 | 0.00 | 0.00 | 0.00 |  |
| 10                 | 105  | 98.1 | 88.4 | 76.8 | 64.3 | 51.8 | 41.2 | 31.7 | 22.5 | 13.9 | 6.80 | 2.95 | 1.72 | 0.86 | 0.32 | 0.00 | 0.00 | 0.00 |  |
| 20                 | 80.0 | 75.6 | 68.8 | 60.1 | 50.8 | 42.2 | 34.1 | 26.0 | 18.0 | 10.6 | 4.99 | 2.56 | 1.49 | 0.74 | 0.25 | 0.00 | 0.00 | 0.00 |  |
| 30                 | 52.3 | 49.8 | 46.1 | 41.4 | 36.2 | 30.5 | 24.2 | 17.8 | 11.6 | 6.33 | 3.15 | 2.00 | 1.16 | 0.57 | 0.19 | 0.00 | 0.00 | 0.00 |  |
| 40                 | 31.7 | 30.6 | 28.4 | 25.5 | 21.9 | 17.8 | 13.5 | 9.13 | 5.37 | 3.11 | 2.13 | 1.36 | 0.77 | 0.37 | 0.08 | 0.00 | 0.00 | 0.00 |  |
| 50                 | 15.1 | 14.3 | 12.9 | 11.1 | 8.96 | 6.69 | 4.63 | 3.21 | 2.44 | 1.79 | 1.22 | 0.77 | 0.42 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| 60                 | 3.68 | 3.46 | 3.16 | 2.87 | 2.55 | 2.19 | 1.81 | 1.44 | 1.10 | 0.79 | 0.53 | 0.31 | 0.13 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| 70                 | 1.06 | 1.01 | 0.94 | 0.84 | 0.74 | 0.63 | 0.51 | 0.40 | 0.28 | 0.19 | 0.09 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| 80                 | 0.04 | 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 |  |
| 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                | 0.05 | 0.03 | 0.04 | 0.04 | 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 |  |
| 150                | 0.29 | 0.26 | 0.22 | 0.21 | 0.18 | 0.09 | 0.09 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| 160                | 0.46 | 0.47 | 0.42 | 0.38 | 0.34 | 0.26 | 0.20 | 0.10 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| 170                | 0.61 | 0.60 | 0.56 | 0.54 | 0.43 | 0.39 | 0.29 | 0.15 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| 180                | 0.75 | 0.67 | 0.62 | 0.59 | 0.51 | 0.44 | 0.33 | 0.26 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |

H( $\beta$ ) Range:-90 - 90DEGH( $\beta$ ) Interval: 0.5DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:ADMIN

Test Date:2022-10-14

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: