

## Floodlight Summary:

Report based on lamp delivering 1000 lumens.

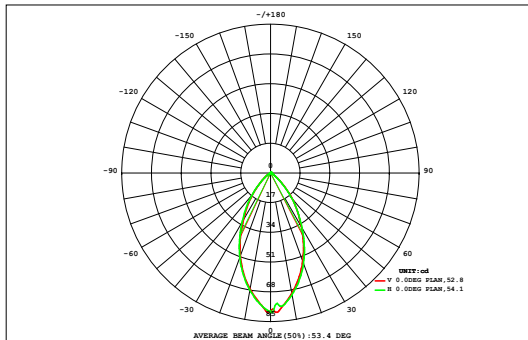
|                                          |                |                        |
|------------------------------------------|----------------|------------------------|
| Maximum Intensity                        |                | 1110.0 cd per klm.     |
| (Luminaire orientation as tested.)       |                | 0.0 degrees vertical   |
|                                          |                | 0.0 degrees horizontal |
| Beam Spread                              | At 10% of Imax | 95.3V x 95.4H          |
|                                          | At 50% of Imax | 54.1V x 52.8H          |
|                                          | At 90% of Imax | 16.4V x 15.0H          |
| Beam Flux                                | Total          | 1000.2 lumens per klm. |
|                                          | To 10% of Imax | 927.3 lumens per klm.  |
|                                          | To 50% of Imax | 515.5 lumens per klm.  |
|                                          | To 90% of Imax | 60.4 lumens per klm.   |
|                                          | Upward LOR     | 0.4 %                  |
|                                          | Downward LOR   | 99.7 %                 |
| 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:2023-10-09

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:12.07V I:0.7846A P:6.489W PF:0.6856 Freq:59.97Hz Lamp Flux:72.2909x1 lm |                              |                         |
| NAME: LED LANDSCAPE LIGHT                                                      | TYPE:Copper Path light RGBWW | WEIGHT:                 |
| SPEC.:7W 5700K Min beam angle                                                  | DIM.:                        | SERIAL No.:1            |
| MFR.: EVERFINE                                                                 | SUR.:                        | Shielding Angle:LAB-039 |



| DATA OF LAMP      |           | Eff:11.14lm/W    |          |
|-------------------|-----------|------------------|----------|
| MODEL             | A9B1-7W-A | Imax (cd)        | 80.25    |
| NOMINAL POWER (W) | 7         | AVAILABILITY (%) | 92.6     |
| RATED VOLTAGE (V) | 12        | Avai. FLUX (lm)  | 66.98    |
| NOMINAL FLUX (lm) | 72.2909   | LOR (%)          | 100.0    |
| LAMPS INSIDE      | 1         | TOTAL FLUX (lm)  | 72.29    |
| TEST VOLTAGE (V)  | 12        | θ @50% (H,V)     | 53,54DEG |

| VERTICAL (DEG) | AREA FLUX DIAGRAM |      |      |      |      |      |      |      |                  |      |      |      |      |      |      |      | UNIT:lm |      | Φ t  | Φ a  |
|----------------|-------------------|------|------|------|------|------|------|------|------------------|------|------|------|------|------|------|------|---------|------|------|------|
|                | 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 | 0.05 | 0.00 |
| 72             | 0.00              | 0.00 | 0.00 | 0.00 | 0.01 | 0.02 | 0.02 | 0.03 | 0.03             | 0.03 | 0.03 | 0.02 | 0.02 | 0.01 | 0.00 | 0.00 | 0.00    | 0.00 | 0.24 | 0.00 |
| 64             | 0.00              | 0.00 | 0.00 | 0.01 | 0.02 | 0.04 | 0.07 | 0.09 | 0.10             | 0.10 | 0.09 | 0.07 | 0.05 | 0.03 | 0.01 | 0.01 | 0.00    | 0.00 | 0.70 | 0.00 |
| 56             | 0.00              | 0.00 | 0.01 | 0.03 | 0.06 | 0.10 | 0.16 | 0.21 | 0.25             | 0.25 | 0.22 | 0.17 | 0.11 | 0.06 | 0.03 | 0.01 | 0.00    | 0.00 | 1.68 | 1.18 |
| 48             | 0.00              | 0.01 | 0.02 | 0.05 | 0.11 | 0.20 | 0.31 | 0.42 | 0.48             | 0.49 | 0.43 | 0.34 | 0.22 | 0.12 | 0.06 | 0.02 | 0.01    | 0.00 | 3.28 | 2.98 |
| 40             | 0.00              | 0.01 | 0.03 | 0.08 | 0.18 | 0.33 | 0.50 | 0.65 | 0.75             | 0.76 | 0.67 | 0.53 | 0.36 | 0.21 | 0.09 | 0.03 | 0.01    | 0.00 | 5.19 | 4.96 |
| 32             | 0.00              | 0.01 | 0.04 | 0.11 | 0.25 | 0.45 | 0.68 | 0.90 | 1.04             | 1.05 | 0.93 | 0.72 | 0.49 | 0.29 | 0.13 | 0.05 | 0.01    | 0.00 | 7.17 | 6.98 |
| 24             | 0.00              | 0.01 | 0.05 | 0.14 | 0.31 | 0.55 | 0.84 | 1.11 | 1.28             | 1.29 | 1.13 | 0.88 | 0.60 | 0.36 | 0.17 | 0.06 | 0.02    | 0.00 | 8.81 | 8.63 |
|                | 0.00              | 0.01 | 0.05 | 0.15 | 0.34 | 0.60 | 0.92 | 1.22 | 1.43             | 1.46 | 1.25 | 0.97 | 0.66 | 0.40 | 0.19 | 0.07 | 0.02    | 0.00 | 9.75 | 9.59 |
|                | 0.00              | 0.01 | 0.05 | 0.15 | 0.34 | 0.60 | 0.91 | 1.20 | 1.42             | 1.44 | 1.24 | 0.96 | 0.66 | 0.39 | 0.19 | 0.07 | 0.02    | 0.00 | 9.67 | 9.50 |
|                | 0.00              | 0.01 | 0.05 | 0.13 | 0.30 | 0.54 | 0.82 | 1.07 | 1.23             | 1.24 | 1.10 | 0.86 | 0.59 | 0.35 | 0.17 | 0.06 | 0.02    | 0.00 | 8.55 | 8.38 |
| -24            | 0.00              | 0.01 | 0.04 | 0.10 | 0.24 | 0.44 | 0.65 | 0.86 | 0.98             | 0.99 | 0.88 | 0.69 | 0.48 | 0.28 | 0.13 | 0.05 | 0.01    | 0.00 | 6.83 | 6.63 |
| -32            | 0.00              | 0.01 | 0.03 | 0.07 | 0.17 | 0.31 | 0.47 | 0.61 | 0.69             | 0.70 | 0.63 | 0.50 | 0.34 | 0.19 | 0.09 | 0.03 | 0.01    | 0.00 | 4.84 | 4.60 |
| -40            | 0.00              | 0.00 | 0.02 | 0.04 | 0.10 | 0.18 | 0.29 | 0.38 | 0.44             | 0.44 | 0.40 | 0.31 | 0.20 | 0.11 | 0.05 | 0.02 | 0.01    | 0.00 | 2.99 | 2.68 |
| -48            | 0.00              | 0.00 | 0.01 | 0.02 | 0.05 | 0.09 | 0.14 | 0.19 | 0.22             | 0.22 | 0.20 | 0.15 | 0.10 | 0.06 | 0.03 | 0.01 | 0.00    | 0.00 | 1.47 | 0.88 |
| -56            | 0.00              | 0.00 | 0.00 | 0.01 | 0.02 | 0.04 | 0.05 | 0.07 | 0.08             | 0.08 | 0.08 | 0.06 | 0.04 | 0.02 | 0.01 | 0.00 | 0.00    | 0.00 | 0.58 | 0.00 |
| -64            | 0.00              | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.02 | 0.02 | 0.03             | 0.03 | 0.02 | 0.02 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00    | 0.00 | 0.19 | 0.00 |
| -72            | 0.00              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01             | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.03 | 0.00 |
|                | -72               | -64  | -56  | -48  | -40  | -32  | -24  | -16  | HORIZONTAL (DEG) | 16   | 24   | 32   | 40   | 48   | 56   | 64   | 72      |      |      |      |
| Φ t            | 0.01              | 0.11 | 0.40 | 1.11 | 2.50 | 4.50 | 6.85 | 9.03 | 10.5             | 10.6 | 9.32 | 7.26 | 4.95 | 2.91 | 1.36 | 0.49 | 0.14    | 0.02 | 72   | ---  |
| Φ a            | 0.00              | 0.00 | 0.00 | 0.60 | 2.16 | 4.18 | 6.56 | 8.75 | 10.2             | 10.3 | 9.04 | 6.97 | 4.64 | 2.58 | 0.95 | 0.02 | 0.00    | 0.00 | ---  | 67   |

one-half-peak spread: U:26.8,D:23.2 , L:24.6,R:24.6

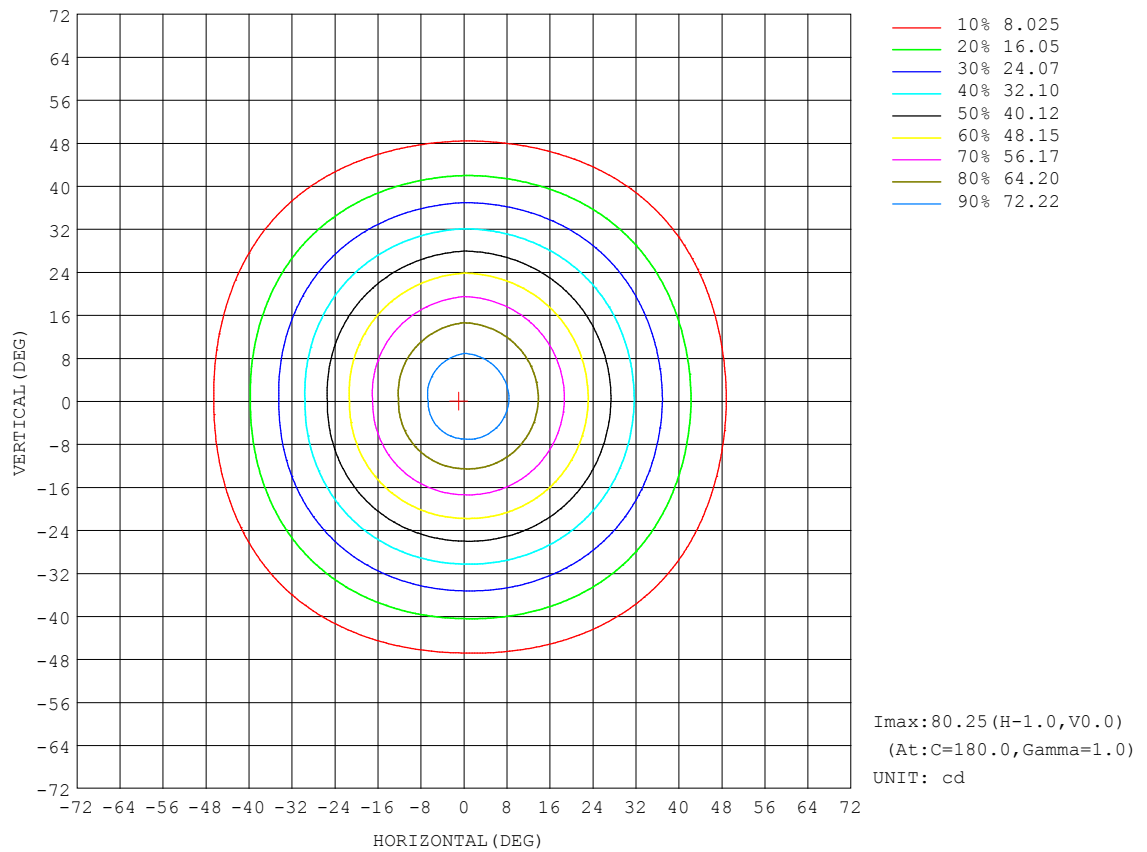
NEMA Beam Type: Type 5

H(β) Range:-90 - 90DEG  
H(β) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ADMIN  
Test Date:2023-10-09

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:12.07V I:0.7846A P:6.489W PF:0.6856 Freq:59.97Hz Lamp Flux:72.2909x1 lm |                                      |                         |
| NAME: LED LANDSCAPE LIGHT                                                      | TYPE:Copper Path light RGBWW WEIGHT: |                         |
| SPEC.:7W 5700K Min beam angle                                                  | DIM.:                                | SERIAL No.:1            |
| MFR.: EVERFINE                                                                 | SUR.:                                | Shielding Angle:LAB-039 |

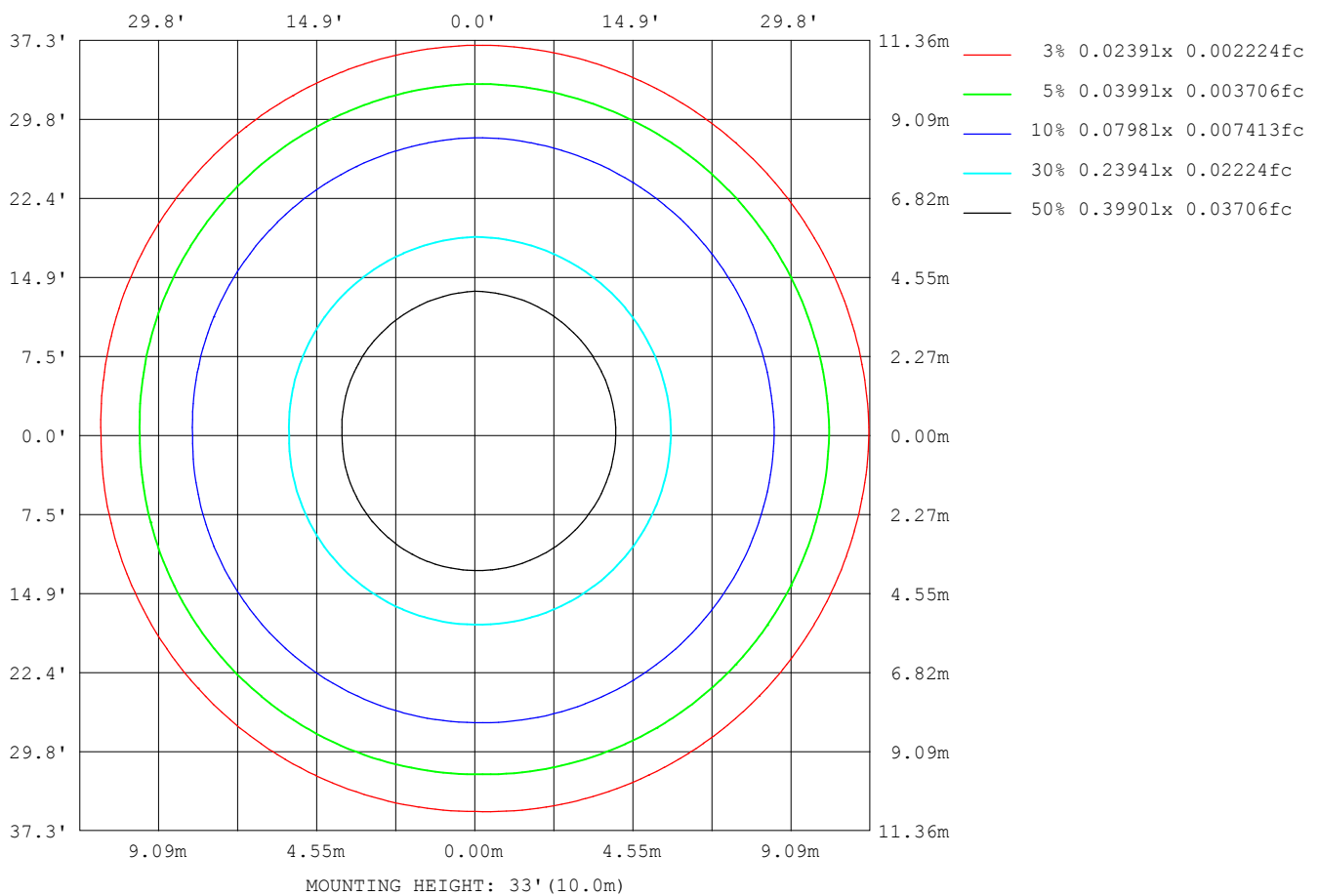


H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ADMIN  
Test Date:2023-10-09

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

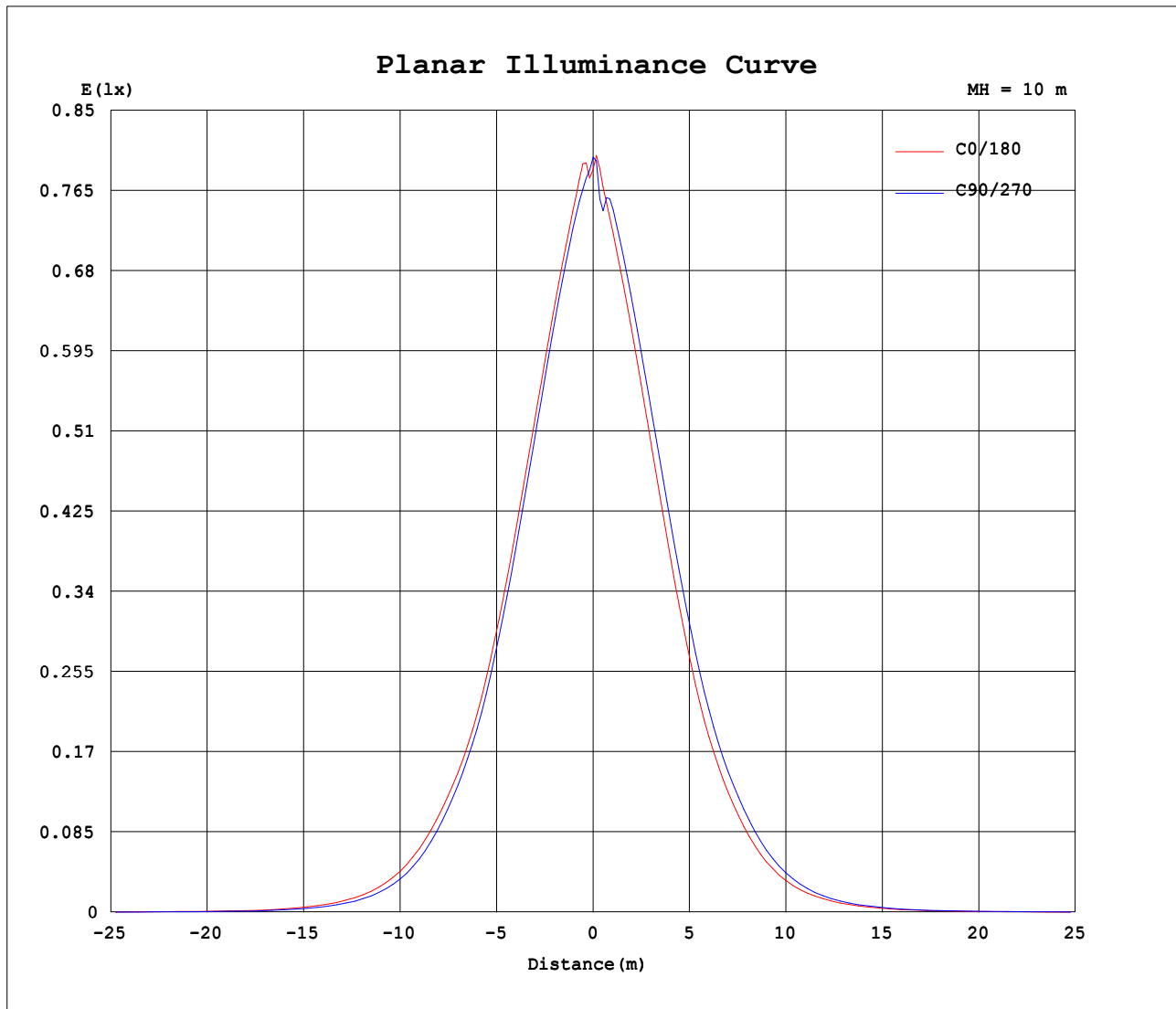
|                                                                                |                                      |                         |
|--------------------------------------------------------------------------------|--------------------------------------|-------------------------|
| Test:U:12.07V I:0.7846A P:6.489W PF:0.6856 Freq:59.97Hz Lamp Flux:72.2909x1 lm |                                      |                         |
| NAME: LED LANDSCAPE LIGHT                                                      | TYPE:Copper Path light RGBWW WEIGHT: |                         |
| SPEC.:7W 5700K Min beam angle                                                  | DIM.:                                | SERIAL No.:1            |
| MFR.: EVERFINE                                                                 | SUR.:                                | Shielding Angle:LAB-039 |



H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ADMIN  
Test Date:2023-10-09

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

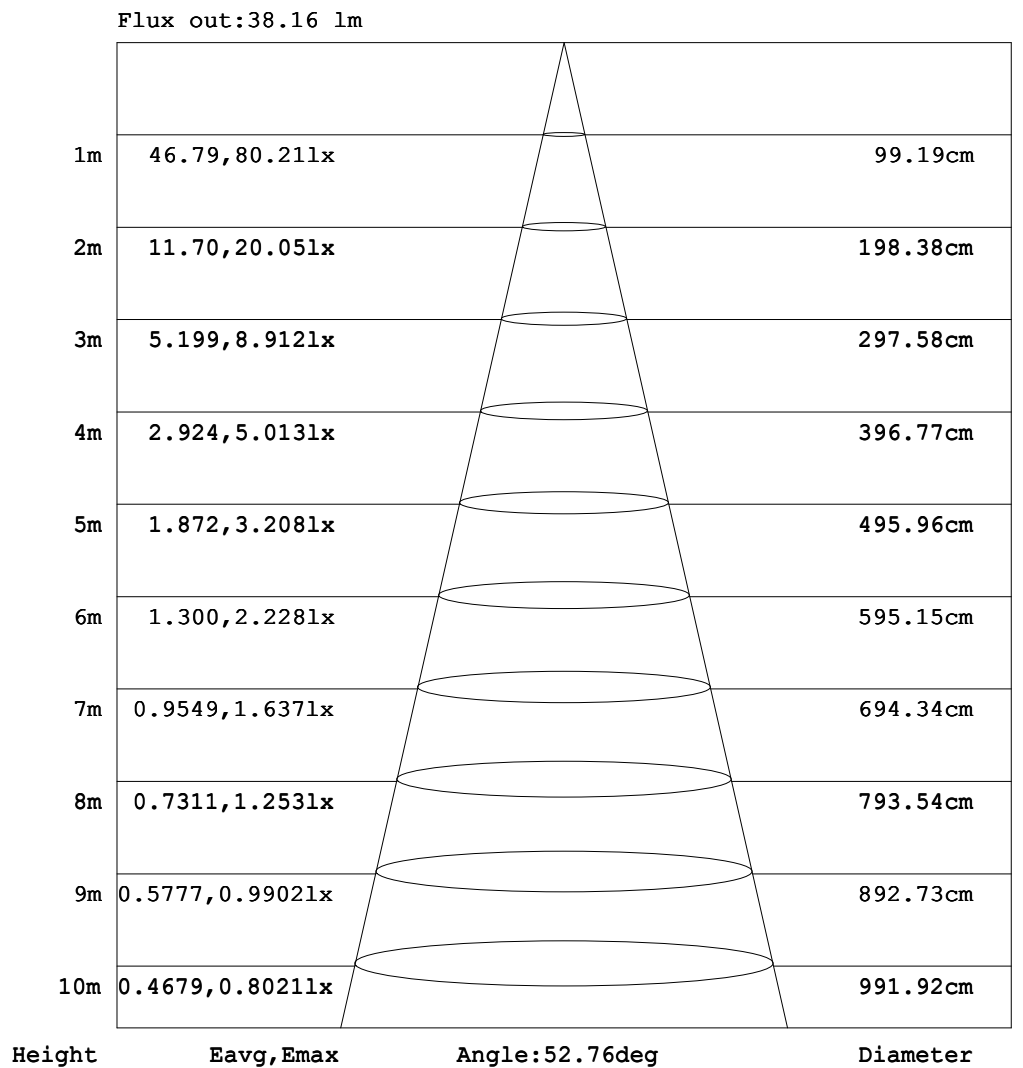


H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ADMIN  
Test Date:2023-10-09

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:12.07V I:0.7846A P:6.489W PF:0.6856 Freq:59.97Hz Lamp Flux:72.2909x1 lm |                              |                         |
| NAME: LED LANDSCAPE LIGHT                                                      | TYPE:Copper Path light RGBWW | WEIGHT:                 |
| SPEC.:7W 5700K Min beam angle                                                  | DIM.:                        | SERIAL No.:1            |
| MFR.: EVERFINE                                                                 | SUR.:                        | Shielding Angle:LAB-039 |



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:2023-10-09

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:12.07V I:0.7846A P:6.489W PF:0.6856 Freq:59.97Hz Lamp Flux:72.2909x1 lm |                              |                         |
| NAME: LED LANDSCAPE LIGHT                                                      | TYPE:Copper Path light RGBWW | WEIGHT:                 |
| SPEC.:7W 5700K Min beam angle                                                  | DIM.:                        | SERIAL No.:1            |
| MFR.: EVERFINE                                                                 | SUR.:                        | Shielding Angle:LAB-039 |

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 | 0.01 | 0.11 | 0.19 | 0.23 | 0.28 | 0.32 | 0.37 | 0.41 |
| -170               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.10 | 0.18 | 0.23 | 0.28 | 0.31 | 0.35 | 0.38 |
| -160               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.06 | 0.12 | 0.19 | 0.25 | 0.27 | 0.30 | 0.32 |
| -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 | 0.02 | 0.06 | 0.09 | 0.14 | 0.17 | 0.20 | 0.21 |
| -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 | 0.01 | 0.03 | 0.03 | 0.04 | 0.05 |
| -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 | 0.04 | 0.08 | 0.11 |
| -60                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.30 | 0.49 | 0.69 | 0.85 | 0.99 | 1.08 | 1.16 | 1.20 | 1.21 |
| -50                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.22 | 0.52 | 0.88 | 1.20 | 1.70 | 2.34 | 3.03 | 3.73 | 4.38 | 4.91 | 5.26 | 5.37 |
| -40                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.31 | 0.77 | 1.22 | 2.03 | 3.20 | 4.69 | 6.53 | 8.68 | 11.0 | 13.2 | 15.0 | 16.2 | 16.7 |
| -30                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.20 | 0.71 | 1.29 | 2.42 | 4.10 | 6.51 | 9.89 | 14.1 | 18.8 | 23.1 | 26.9 | 29.8 | 31.8 | 32.6 |
| -20                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.42 | 1.05 | 2.01 | 3.82 | 6.56 | 10.8 | 16.5 | 22.8 | 29.1 | 35.7 | 42.0 | 47.0 | 50.3 | 51.5 |
| -10                | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.55 | 1.25 | 2.66 | 4.96 | 8.68 | 14.4 | 21.5 | 29.0 | 37.7 | 46.6 | 54.7 | 61.4 | 66.2 | 68.1 |
| 0                  | 0.00 | 0.00 | 0.00 | 0.00 | 0.12 | 0.61 | 1.36 | 2.89 | 5.40 | 9.51 | 15.7 | 23.2 | 31.3 | 41.0 | 50.6 | 59.6 | 67.5 | 74.5 | 78.8 |
| 10                 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 0.56 | 1.28 | 2.72 | 5.07 | 8.88 | 14.7 | 21.9 | 29.6 | 38.5 | 47.6 | 56.0 | 63.0 | 68.1 | 70.7 |
| 20                 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.44 | 1.09 | 2.10 | 3.99 | 6.86 | 11.2 | 17.1 | 23.7 | 30.3 | 37.4 | 44.1 | 49.6 | 53.4 | 55.2 |
| 30                 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.23 | 0.75 | 1.38 | 2.59 | 4.39 | 6.99 | 10.6 | 15.2 | 20.1 | 24.7 | 28.8 | 32.2 | 34.7 | 36.0 |
| 40                 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.36 | 0.84 | 1.35 | 2.26 | 3.54 | 5.21 | 7.28 | 9.72 | 12.3 | 14.8 | 16.9 | 18.4 | 19.1 |
| 50                 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.27 | 0.60 | 1.00 | 1.39 | 1.98 | 2.75 | 3.56 | 4.40 | 5.21 | 5.89 | 6.38 | 6.60 |
| 60                 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.05 | 0.21 | 0.41 | 0.61 | 0.85 | 1.04 | 1.20 | 1.36 | 1.50 | 1.60 | 1.65 |
| 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 | 0.03 | 0.06 | 0.10 | 0.14 | 0.18 | 0.20 | 0.21 |
| 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 |
| 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 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 | 0.00 | 0.01 | 0.01 | 0.03 | 0.05 | 0.06 |
| 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 | 0.01 | 0.05 | 0.13 | 0.17 | 0.17 | 0.17 | 0.17 |
| 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 | 0.07 | 0.15 | 0.19 | 0.23 | 0.29 | 0.30 | 0.30 |
| 180                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.11 | 0.19 | 0.23 | 0.28 | 0.32 | 0.37 | 0.40 |

H( $\beta$ ) Range:-90 - 90DEG  
 H( $\beta$ ) Interval: 0.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:ADMIN  
 Test Date:2023-10-09

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:12.07V I:0.7846A P:6.489W PF:0.6856 Freq:59.97Hz Lamp Flux:72.2909x1 lm |                              |                         |
| NAME: LED LANDSCAPE LIGHT                                                      | TYPE:Copper Path light RGBWW | WEIGHT:                 |
| SPEC.:7W 5700K Min beam angle                                                  | DIM.:                        | SERIAL No.:1            |
| MFR.: EVERFINE                                                                 | SUR.:                        | Shielding Angle:LAB-039 |

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               | 0.39 | 0.34 | 0.31 | 0.29 | 0.23 | 0.16 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| -170               | 0.36 | 0.32 | 0.31 | 0.28 | 0.19 | 0.17 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| -160               | 0.31 | 0.29 | 0.27 | 0.20 | 0.17 | 0.13 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| -150               | 0.20 | 0.19 | 0.17 | 0.14 | 0.09 | 0.02 | 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               | 0.04 | 0.03 | 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 |  |
| -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                | 0.12 | 0.10 | 0.06 | 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 |  |
| -60                | 1.23 | 1.20 | 1.13 | 1.05 | 0.92 | 0.78 | 0.59 | 0.38 | 0.21 | 0.07 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| -50                | 5.37 | 5.12 | 4.65 | 4.03 | 3.34 | 2.61 | 1.94 | 1.38 | 1.01 | 0.67 | 0.33 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| -40                | 16.6 | 15.6 | 14.1 | 12.0 | 9.68 | 7.42 | 5.40 | 3.74 | 2.41 | 1.45 | 0.93 | 0.44 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| -30                | 32.2 | 30.6 | 28.0 | 24.7 | 20.6 | 16.1 | 11.6 | 7.77 | 4.92 | 2.90 | 1.56 | 0.90 | 0.33 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| -20                | 50.8 | 48.0 | 43.5 | 37.7 | 31.3 | 25.3 | 19.1 | 13.1 | 8.09 | 4.70 | 2.50 | 1.24 | 0.58 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| -10                | 66.9 | 62.8 | 56.6 | 49.0 | 40.6 | 32.0 | 24.7 | 17.5 | 11.0 | 6.26 | 3.31 | 1.57 | 0.78 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| 0                  | 76.8 | 69.9 | 62.3 | 53.8 | 44.6 | 35.1 | 27.0 | 19.4 | 12.3 | 6.98 | 3.68 | 1.72 | 0.85 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| 10                 | 68.9 | 64.3 | 57.9 | 50.1 | 41.4 | 32.6 | 25.1 | 17.8 | 11.2 | 6.36 | 3.37 | 1.59 | 0.79 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| 20                 | 53.9 | 50.6 | 45.7 | 39.4 | 32.5 | 26.2 | 19.8 | 13.5 | 8.39 | 4.86 | 2.59 | 1.27 | 0.61 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| 30                 | 35.2 | 33.0 | 29.9 | 26.3 | 21.9 | 17.1 | 12.3 | 8.25 | 5.22 | 3.07 | 1.65 | 0.94 | 0.36 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| 40                 | 18.7 | 17.5 | 15.7 | 13.3 | 10.7 | 8.17 | 5.92 | 4.08 | 2.63 | 1.58 | 1.00 | 0.49 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| 50                 | 6.49 | 6.09 | 5.48 | 4.70 | 3.86 | 3.02 | 2.23 | 1.57 | 1.13 | 0.75 | 0.38 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| 60                 | 1.62 | 1.54 | 1.41 | 1.25 | 1.11 | 0.93 | 0.71 | 0.49 | 0.28 | 0.12 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| 70                 | 0.21 | 0.19 | 0.16 | 0.13 | 0.08 | 0.04 | 0.01 | 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                | 0.06 | 0.04 | 0.05 | 0.05 | 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 |  |
| 160                | 0.19 | 0.20 | 0.19 | 0.15 | 0.10 | 0.08 | 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                | 0.30 | 0.29 | 0.26 | 0.24 | 0.16 | 0.13 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| 180                | 0.39 | 0.34 | 0.31 | 0.29 | 0.23 | 0.16 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ADMIN  
Test Date:2023-10-09

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: