

## Floodlight Summary:

Report based on lamp delivering 1000 lumens.

|                                    |                        |
|------------------------------------|------------------------|
| Maximum Intensity                  | 816.6 cd per klm.      |
| (Luminaire orientation as tested.) | 0.0 degrees vertical   |
|                                    | 0.0 degrees horizontal |

|             |                |                 |
|-------------|----------------|-----------------|
| Beam Spread | At 10% of Imax | 103.0V x 106.1H |
|             | At 50% of Imax | 56.2V x 77.0H   |
|             | At 90% of Imax | 21.6V x 35.6H   |

|           |                |                        |
|-----------|----------------|------------------------|
| Beam Flux | Total          | 1000.1 lumens per klm. |
|           | To 10% of Imax | 948.0 lumens per klm.  |
|           | To 50% of Imax | 635.1 lumens per klm.  |
|           | To 90% of Imax | 163.5 lumens per klm.  |

|              |        |
|--------------|--------|
| Upward LOR   | 1.0 %  |
| Downward LOR | 99.1 % |

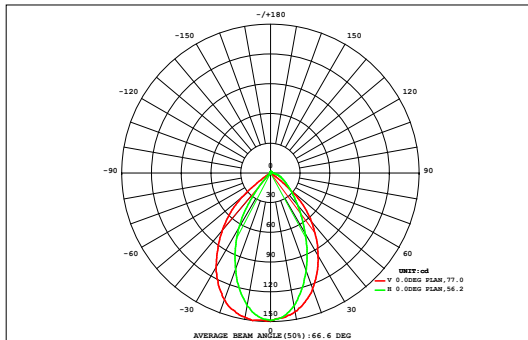
|                                          |         |
|------------------------------------------|---------|
| Luminaire Efficiency(Light Output Ratio) | 100.0 % |
|------------------------------------------|---------|

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ADMIN  
Test Date:2023-07-03

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:0.4242A P:3.580W PF:0.6996 Freq:59.97Hz Lamp Flux:183.512x1 lm |            |                         |
| NAME: LED LANDSCAPE LIGHT                                                      | TYPE:Micro | WEIGHT:                 |
| SPEC.:3.5W 3000K 60°LENS                                                       | DIM.:      | SERIAL No.:1            |
| MFR.: EVERFINE                                                                 | SUR.:      | Shielding Angle:LAB-072 |



| DATA OF LAMP      |                    | Eff:51.27lm/W    |          |
|-------------------|--------------------|------------------|----------|
| MODEL             | M4B1-3.5W-30K-60-A | Imax (cd)        | 149.9    |
| NOMINAL POWER (W) | 3.5                | AVAILABILITY (%) | 93.6     |
| RATED VOLTAGE (V) | 12                 | Avai. FLUX (lm)  | 171.8    |
| NOMINAL FLUX (lm) | 183.512            | LOR (%)          | 100.0    |
| LAMPS INSIDE      | 1                  | TOTAL FLUX (lm)  | 183.5    |
| TEST VOLTAGE (V)  | 12                 | θ @50% (H,V)     | 77,56DEG |

| VERTICAL (DEG)                                                           | AREA FLUX DIAGRAM |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | UNIT:lm |      | Φ t  | Φ a  |
|--------------------------------------------------------------------------|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---------|------|------|------|
|                                                                          | 0.00              | 0.00 | 0.00 | 0.01 | 0.01 | 0.02 | 0.03 | 0.04 | 0.05 | 0.05 | 0.04 | 0.03 | 0.02 | 0.01 | 0.01 | 0.00 | 0.00    | 0.00 | 0.34 | 0.00 |
| 90                                                                       | 0.00              | 0.00 | 0.01 | 0.02 | 0.05 | 0.08 | 0.12 | 0.16 | 0.19 | 0.19 | 0.16 | 0.12 | 0.08 | 0.05 | 0.02 | 0.01 | 0.00    | 0.00 | 1.25 | 0.00 |
| 80                                                                       | 0.00              | 0.00 | 0.01 | 0.04 | 0.08 | 0.14 | 0.21 | 0.29 | 0.36 | 0.36 | 0.29 | 0.21 | 0.14 | 0.08 | 0.04 | 0.01 | 0.00    | 0.00 | 2.28 | 0.04 |
| 70                                                                       | 0.00              | 0.00 | 0.02 | 0.05 | 0.12 | 0.21 | 0.35 | 0.50 | 0.60 | 0.59 | 0.48 | 0.34 | 0.21 | 0.12 | 0.05 | 0.02 | 0.00    | 0.00 | 3.69 | 2.00 |
| 60                                                                       | 0.00              | 0.00 | 0.02 | 0.07 | 0.17 | 0.43 | 0.80 | 1.02 | 1.06 | 1.04 | 0.95 | 0.70 | 0.37 | 0.16 | 0.07 | 0.02 | 0.00    | 0.00 | 6.88 | 6.06 |
| 50                                                                       | 0.00              | 0.00 | 0.02 | 0.08 | 0.35 | 0.95 | 1.42 | 1.71 | 1.76 | 1.72 | 1.61 | 1.29 | 0.81 | 0.27 | 0.07 | 0.02 | 0.00    | 0.00 | 12.1 | 11.7 |
| 40                                                                       | 0.00              | 0.00 | 0.02 | 0.11 | 0.70 | 1.45 | 2.09 | 2.57 | 2.73 | 2.68 | 2.43 | 1.91 | 1.27 | 0.55 | 0.09 | 0.02 | 0.00    | 0.00 | 18.6 | 18.3 |
| 30                                                                       | 0.00              | 0.00 | 0.02 | 0.18 | 1.00 | 1.89 | 2.76 | 3.44 | 3.73 | 3.67 | 3.26 | 2.51 | 1.66 | 0.81 | 0.12 | 0.02 | 0.00    | 0.00 | 25.1 | 24.9 |
| 20                                                                       | 0.00              | 0.00 | 0.01 | 0.24 | 1.19 | 2.22 | 3.26 | 4.03 | 4.38 | 4.31 | 3.81 | 2.93 | 1.93 | 0.98 | 0.15 | 0.01 | 0.00    | 0.00 | 29.5 | 29.3 |
| 10                                                                       | 0.00              | 0.00 | 0.01 | 0.22 | 1.16 | 2.19 | 3.24 | 4.03 | 4.37 | 4.31 | 3.80 | 2.92 | 1.90 | 0.95 | 0.14 | 0.01 | 0.00    | 0.00 | 29.3 | 29.1 |
| 0                                                                        | 0.00              | 0.00 | 0.01 | 0.14 | 0.91 | 1.78 | 2.71 | 3.41 | 3.71 | 3.65 | 3.23 | 2.46 | 1.55 | 0.72 | 0.08 | 0.00 | 0.00    | 0.00 | 24.4 | 24.2 |
| -10                                                                      | 0.00              | 0.00 | 0.00 | 0.06 | 0.56 | 1.24 | 1.91 | 2.47 | 2.64 | 2.58 | 2.32 | 1.73 | 1.06 | 0.41 | 0.03 | 0.00 | 0.00    | 0.00 | 17.0 | 16.8 |
| -20                                                                      | 0.00              | 0.00 | 0.00 | 0.02 | 0.20 | 0.67 | 1.03 | 1.31 | 1.36 | 1.32 | 1.21 | 0.90 | 0.53 | 0.13 | 0.01 | 0.00 | 0.00    | 0.00 | 8.69 | 8.36 |
| -30                                                                      | 0.00              | 0.00 | 0.00 | 0.00 | 0.03 | 0.18 | 0.38 | 0.43 | 0.33 | 0.30 | 0.36 | 0.29 | 0.11 | 0.02 | 0.00 | 0.00 | 0.00    | 0.00 | 2.44 | 1.10 |
| -40                                                                      | 0.00              | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.04 | 0.06 | 0.04 | 0.03 | 0.04 | 0.02 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.27 | 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 | 0.01 | 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 | 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 | 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 | 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              | 0.03 | 0.16 | 1.24 | 6.54 | 13.5 | 20.4 | 25.5 | 27.3 | 26.8 | 24.0 | 18.4 | 11.7 | 5.26 | 0.89 | 0.15 | 0.03    | 0.00 | 182  | ---  |
| Φ a                                                                      | 0.00              | 0.00 | 0.00 | 0.52 | 5.81 | 12.7 | 19.6 | 24.6 | 26.5 | 26.0 | 23.1 | 17.5 | 10.8 | 4.45 | 0.18 | 0.00 | 0.00    | 0.00 | ---  | 172  |

one-half-peak spread: U:27.7,D:28.9 , L:33.5,R:38.9

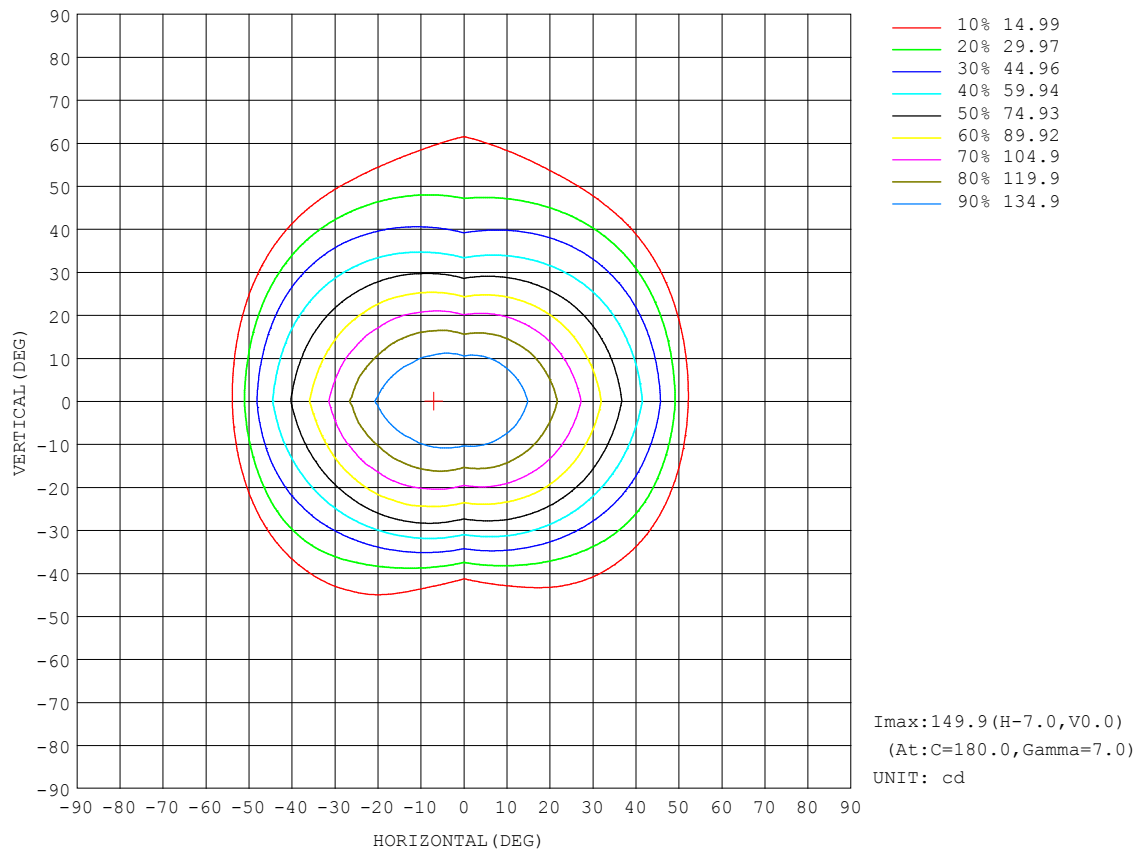
NEMA Beam Type: Type 6

H(β) Range:-90 - 90DEG  
H(β) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ADMIN  
Test Date:2023-07-03

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:0.4242A P:3.580W PF:0.6996 Freq:59.97Hz Lamp Flux:183.512x1 lm |            |                         |
| NAME: LED LANDSCAPE LIGHT                                                      | TYPE:Micro | WEIGHT:                 |
| SPEC.:3.5W 3000K 60°LENS                                                       | DIM.:      | SERIAL No.:1            |
| MFR.: EVERFINE                                                                 | SUR.:      | Shielding Angle:LAB-072 |

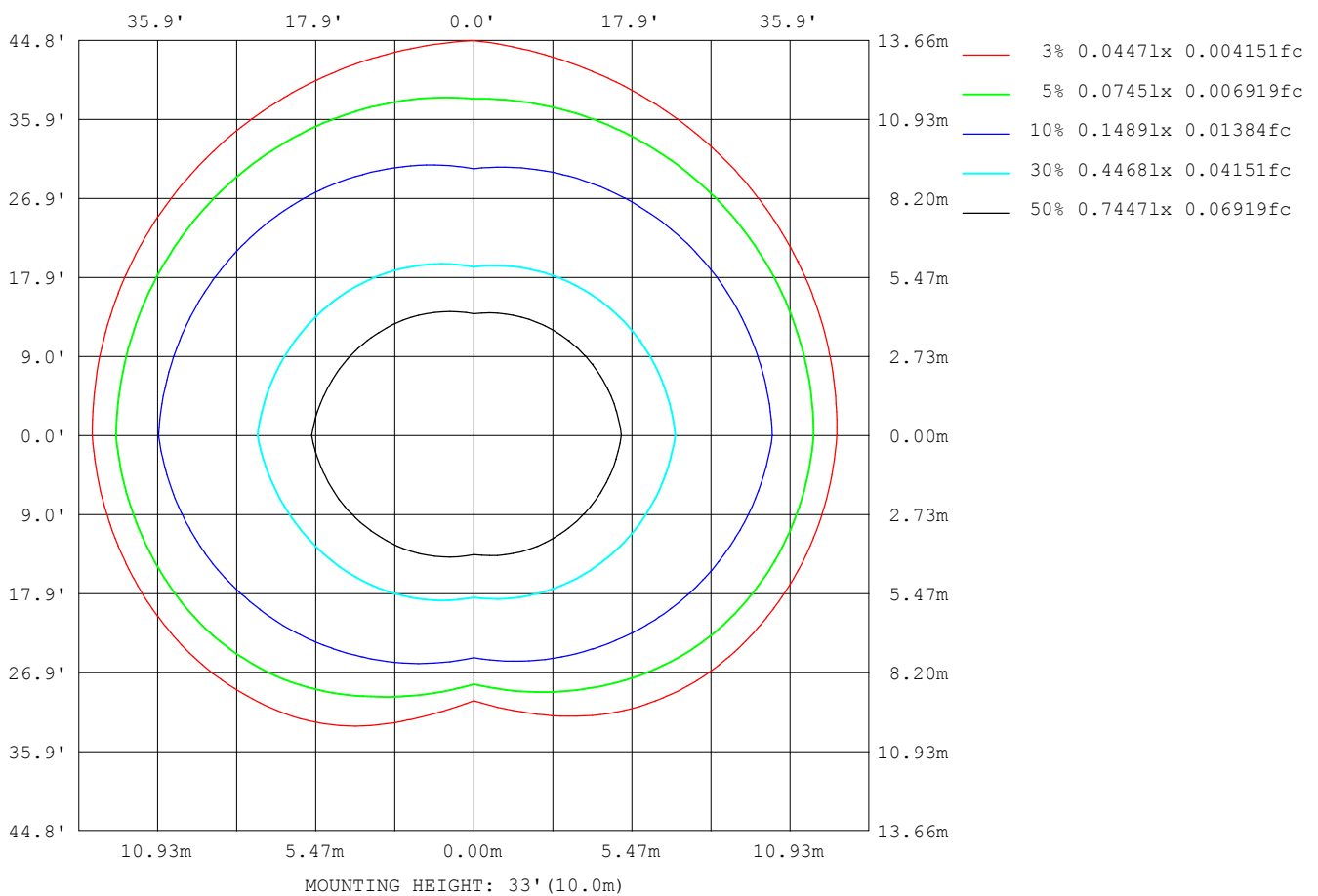


H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ADMIN  
Test Date:2023-07-03

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

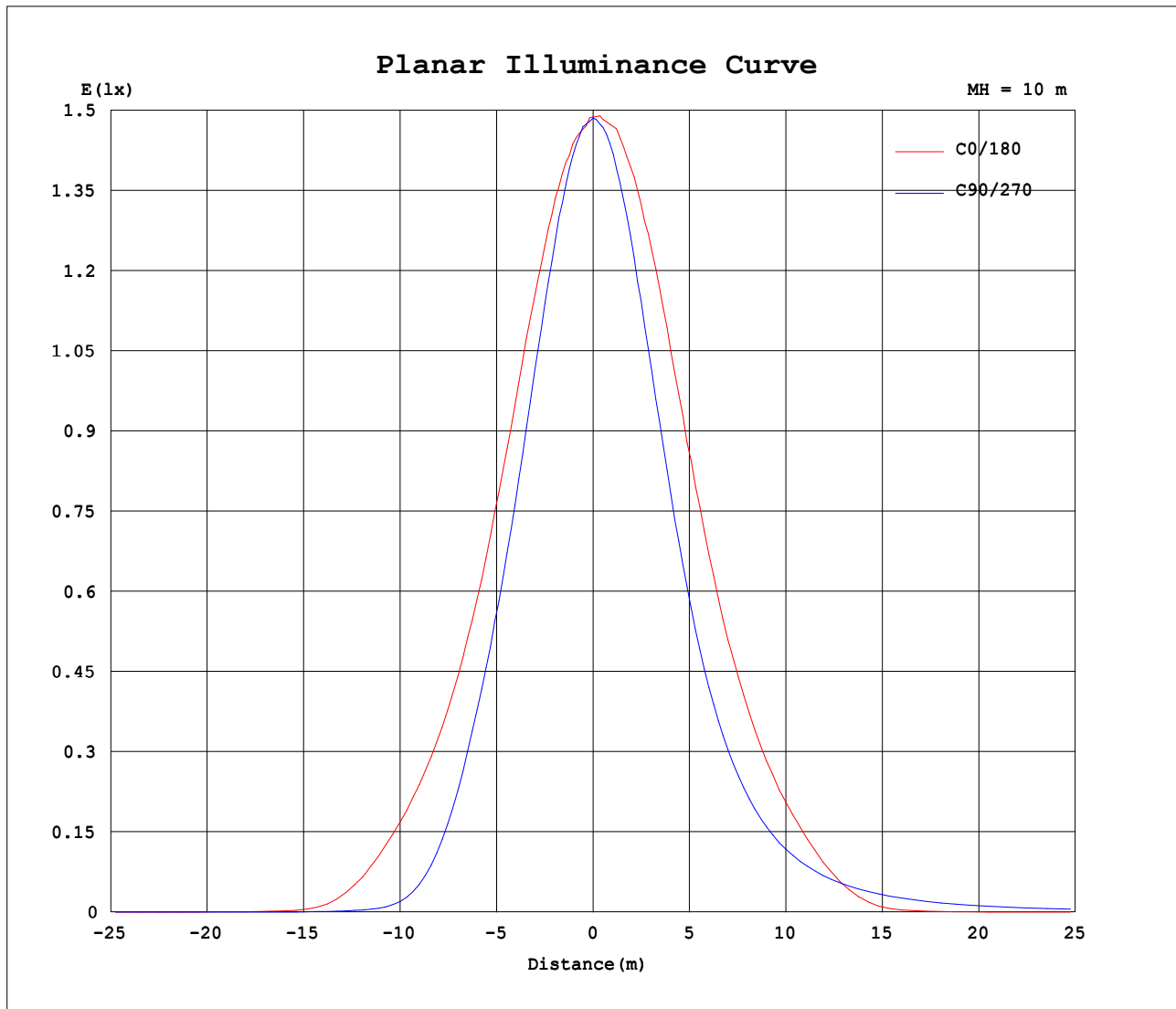
|                                                                                |            |                         |
|--------------------------------------------------------------------------------|------------|-------------------------|
| Test:U:12.06V I:0.4242A P:3.580W PF:0.6996 Freq:59.97Hz Lamp Flux:183.512x1 lm |            |                         |
| NAME: LED LANDSCAPE LIGHT                                                      | TYPE:Micro | WEIGHT:                 |
| SPEC.:3.5W 3000K 60°LENS                                                       | DIM.:      | SERIAL No.:1            |
| MFR.: EVERFINE                                                                 | SUR.:      | Shielding Angle:LAB-072 |



H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ADMIN  
Test Date:2023-07-03

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

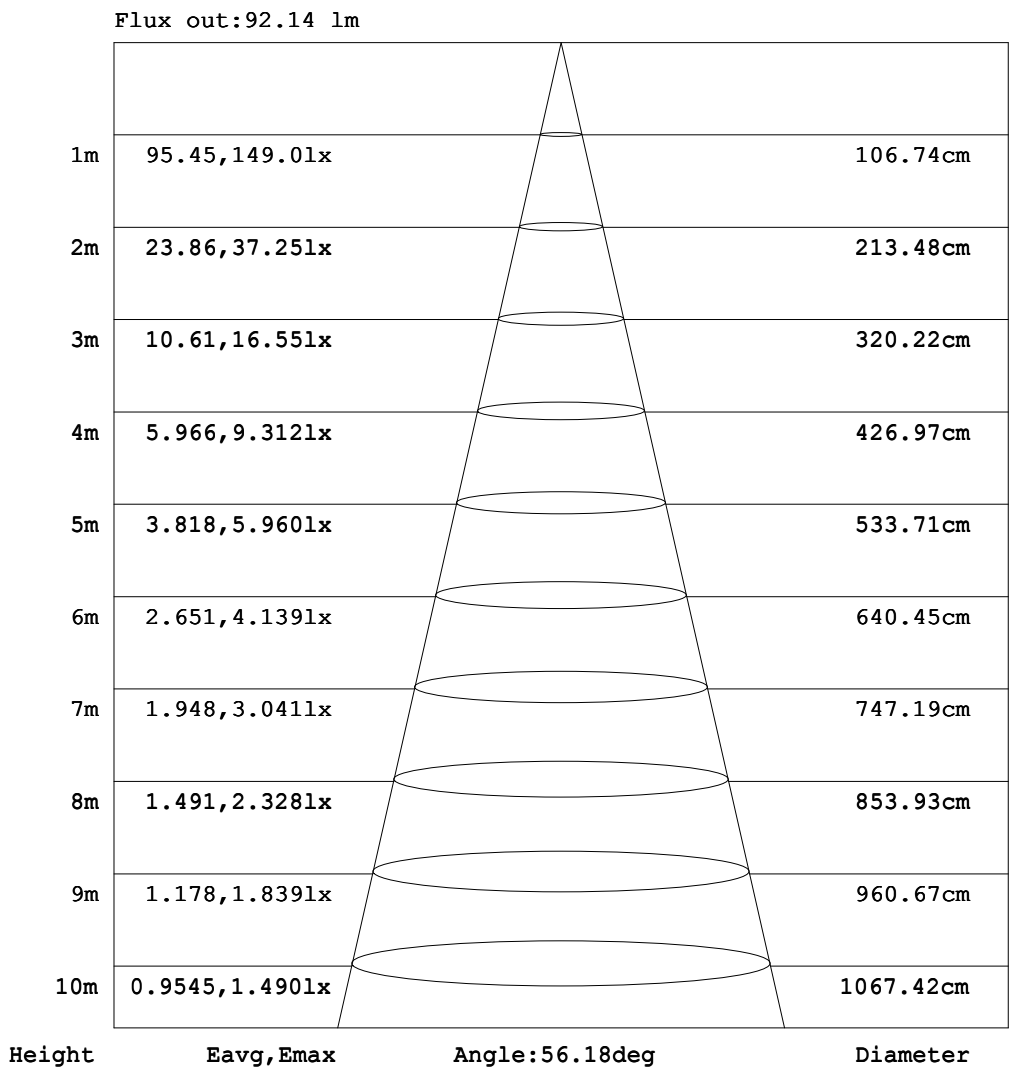


H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ADMIN  
Test Date:2023-07-03

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:0.4242A P:3.580W PF:0.6996 Freq:59.97Hz Lamp Flux:183.512x1 lm |            |                         |
| NAME: LED LANDSCAPE LIGHT                                                      | TYPE:Micro | WEIGHT:                 |
| SPEC.:3.5W 3000K 60°LENS                                                       | DIM.:      | SERIAL No.:1            |
| MFR.: EVERFINE                                                                 | SUR.:      | Shielding Angle:LAB-072 |



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:2023-07-03

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:0.4242A P:3.580W PF:0.6996 Freq:59.97Hz Lamp Flux:183.512x1 lm |            |                         |
| NAME: LED LANDSCAPE LIGHT                                                      | TYPE:Micro | WEIGHT:                 |
| SPEC.:3.5W 3000K 60°LENS                                                       | DIM.:      | SERIAL No.:1            |
| MFR.: EVERFINE                                                                 | SUR.:      | Shielding Angle:LAB-072 |

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 | 0.06 | 0.19 | 0.33 | 0.45 | 0.60 | 0.76 | 0.93 | 1.07 | 1.20 | 1.33 | 1.42 | 1.50 |
| -170               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.06 | 0.19 | 0.32 | 0.46 | 0.59 | 0.75 | 0.91 | 1.05 | 1.18 | 1.30 | 1.39 | 1.43 |
| -160               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.03 | 0.14 | 0.26 | 0.38 | 0.52 | 0.64 | 0.78 | 0.92 | 1.03 | 1.12 | 1.19 | 1.23 |
| -150               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.08 | 0.17 | 0.28 | 0.38 | 0.49 | 0.60 | 0.69 | 0.77 | 0.86 | 0.91 | 0.94 |
| -140               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.03 | 0.06 | 0.14 | 0.23 | 0.30 | 0.38 | 0.44 | 0.51 | 0.55 | 0.60 | 0.63 |
| -130               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.02 | 0.04 | 0.07 | 0.13 | 0.17 | 0.21 | 0.25 | 0.28 | 0.30 | 0.32 |
| -120               | 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 | 0.04 | 0.05 | 0.06 | 0.08 | 0.10 | 0.11 |
| -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 | 0.01 | 0.01 | 0.01 | 0.00 |
| -60                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.09 | 0.11 | 0.15 | 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 | 0.00 | 0.01 | 0.12 | 0.24 | 0.41 | 0.68 | 1.35 | 2.77 | 4.92 | 6.38 | 6.66 | 5.78 | 3.95 | 1.63 |
| -40                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.18 | 0.44 | 0.88 | 2.71 | 8.56 | 16.2 | 21.6 | 24.2 | 25.4 | 26.0 | 25.5 | 23.5 | 19.6 |
| -30                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.44 | 1.09 | 4.68 | 16.7 | 29.5 | 38.0 | 45.4 | 53.0 | 59.9 | 65.3 | 68.1 | 67.7 | 64.2 |
| -20                | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.27 | 0.77 | 3.29 | 16.8 | 35.3 | 48.4 | 60.8 | 73.3 | 85.5 | 94.8 | 102  | 106  | 107  | 103  |
| -10                | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 0.37 | 1.20 | 7.34 | 28.9 | 49.3 | 65.0 | 80.7 | 96.1 | 110  | 121  | 129  | 135  | 137  | 136  |
| 0                  | 0.00 | 0.00 | 0.00 | 0.00 | 0.12 | 0.44 | 1.47 | 10.1 | 35.3 | 58.3 | 75.8 | 92.7 | 110  | 125  | 136  | 143  | 148  | 149  | 149  |
| 10                 | 0.00 | 0.02 | 0.08 | 0.19 | 0.46 | 1.00 | 2.20 | 8.83 | 31.1 | 52.3 | 68.2 | 83.2 | 97.5 | 111  | 121  | 130  | 135  | 137  | 136  |
| 20                 | 0.00 | 0.03 | 0.15 | 0.36 | 0.70 | 1.43 | 2.58 | 5.98 | 20.6 | 40.7 | 55.2 | 67.4 | 78.4 | 88.5 | 97.0 | 104  | 107  | 108  | 105  |
| 30                 | 0.00 | 0.04 | 0.19 | 0.47 | 0.90 | 1.65 | 2.76 | 4.51 | 9.45 | 23.3 | 38.4 | 48.9 | 56.9 | 63.6 | 68.7 | 72.3 | 73.9 | 73.2 | 70.1 |
| 40                 | 0.00 | 0.04 | 0.22 | 0.53 | 0.99 | 1.64 | 2.66 | 4.00 | 5.83 | 9.29 | 17.1 | 27.2 | 35.4 | 40.6 | 43.8 | 45.8 | 46.2 | 45.2 | 43.0 |
| 50                 | 0.00 | 0.04 | 0.21 | 0.51 | 0.95 | 1.55 | 2.32 | 3.38 | 4.65 | 6.19 | 8.08 | 10.5 | 13.9 | 18.2 | 22.0 | 24.6 | 26.0 | 26.4 | 26.0 |
| 60                 | 0.00 | 0.03 | 0.17 | 0.42 | 0.79 | 1.28 | 1.89 | 2.63 | 3.50 | 4.56 | 5.70 | 6.96 | 8.31 | 9.70 | 11.1 | 12.6 | 13.9 | 15.1 | 16.1 |
| 70                 | 0.00 | 0.02 | 0.11 | 0.29 | 0.54 | 0.87 | 1.28 | 1.77 | 2.33 | 2.95 | 3.62 | 4.36 | 5.12 | 5.90 | 6.67 | 7.44 | 8.17 | 8.84 | 9.43 |
| 80                 | 0.00 | 0.00 | 0.03 | 0.11 | 0.23 | 0.39 | 0.58 | 0.81 | 1.07 | 1.35 | 1.66 | 1.97 | 2.30 | 2.63 | 2.97 | 3.29 | 3.60 | 3.88 | 4.14 |
| 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 | 0.01 | 0.04 | 0.09 | 0.11 | 0.12 | 0.18 | 0.22 | 0.23 | 0.20 | 0.18 |
| 150                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.10 | 0.15 | 0.21 | 0.32 | 0.38 | 0.44 | 0.51 | 0.55 | 0.59 | 0.57 |
| 160                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.10 | 0.18 | 0.28 | 0.39 | 0.50 | 0.62 | 0.72 | 0.83 | 0.88 | 0.92 | 0.91 |
| 170                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.16 | 0.27 | 0.41 | 0.52 | 0.67 | 0.82 | 0.95 | 1.09 | 1.17 | 1.24 | 1.24 |
| 180                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.19 | 0.33 | 0.45 | 0.60 | 0.76 | 0.93 | 1.07 | 1.20 | 1.33 | 1.42 | 1.50 |

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ADMIN  
Test Date:2023-07-03

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:0.4242A P:3.580W PF:0.6996 Freq:59.97Hz Lamp Flux:183.512x1 lm |            |                         |
| NAME: LED LANDSCAPE LIGHT                                                      | TYPE:Micro | WEIGHT:                 |
| SPEC.:3.5W 3000K 60°LENS                                                       | DIM.:      | SERIAL No.:1            |
| MFR.: EVERFINE                                                                 | SUR.:      | Shielding Angle:LAB-072 |

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               | 1.47 | 1.40 | 1.36 | 1.23 | 1.15 | 1.05 | 0.89 | 0.76 | 0.60 | 0.44 | 0.28 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| -170               | 1.41 | 1.37 | 1.29 | 1.18 | 1.07 | 0.98 | 0.83 | 0.71 | 0.56 | 0.42 | 0.25 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| -160               | 1.22 | 1.18 | 1.13 | 1.03 | 0.95 | 0.84 | 0.73 | 0.57 | 0.45 | 0.30 | 0.18 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| -150               | 0.94 | 0.92 | 0.85 | 0.81 | 0.72 | 0.65 | 0.55 | 0.43 | 0.32 | 0.22 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| -140               | 0.63 | 0.60 | 0.57 | 0.52 | 0.49 | 0.41 | 0.36 | 0.26 | 0.17 | 0.13 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| -130               | 0.32 | 0.32 | 0.30 | 0.27 | 0.24 | 0.21 | 0.15 | 0.12 | 0.04 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| -120               | 0.10 | 0.10 | 0.08 | 0.06 | 0.04 | 0.01 | 0.01 | 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                | 0.01 | 0.01 | 0.02 | 0.02 | 0.02 | 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 |  |
| -60                | 0.07 | 0.12 | 0.16 | 0.18 | 0.18 | 0.18 | 0.15 | 0.11 | 0.09 | 0.05 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| -50                | 3.22 | 4.37 | 4.71 | 4.09 | 2.77 | 1.55 | 0.83 | 0.50 | 0.35 | 0.24 | 0.14 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| -40                | 22.5 | 23.6 | 23.3 | 22.0 | 20.0 | 16.7 | 11.2 | 4.62 | 1.50 | 0.65 | 0.37 | 0.18 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| -30                | 66.2 | 65.2 | 61.4 | 54.9 | 47.3 | 39.5 | 31.7 | 22.6 | 10.7 | 2.45 | 0.79 | 0.39 | 0.16 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| -20                | 105  | 102  | 96.2 | 87.9 | 77.4 | 65.2 | 52.7 | 40.6 | 27.0 | 10.1 | 1.81 | 0.62 | 0.26 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| -10                | 135  | 130  | 123  | 112  | 99.6 | 85.2 | 70.2 | 55.5 | 40.0 | 20.0 | 3.76 | 0.89 | 0.37 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| 0                  | 147  | 142  | 135  | 124  | 111  | 95.8 | 80.4 | 64.5 | 47.8 | 25.1 | 5.14 | 1.05 | 0.42 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| 10                 | 136  | 131  | 123  | 112  | 100  | 86.5 | 72.7 | 58.8 | 43.0 | 22.2 | 5.25 | 1.89 | 1.00 | 0.49 | 0.19 | 0.08 | 0.02 | 0.00 |  |
| 20                 | 106  | 103  | 98.0 | 90.1 | 80.5 | 70.2 | 59.3 | 47.3 | 32.4 | 14.0 | 4.50 | 2.44 | 1.41 | 0.76 | 0.36 | 0.15 | 0.03 | 0.00 |  |
| 30                 | 71.7 | 71.0 | 68.4 | 63.8 | 57.9 | 51.0 | 42.6 | 31.5 | 17.3 | 7.22 | 4.21 | 2.71 | 1.67 | 0.95 | 0.47 | 0.19 | 0.04 | 0.00 |  |
| 40                 | 44.3 | 44.3 | 43.1 | 40.4 | 36.5 | 30.5 | 22.2 | 13.2 | 8.08 | 5.60 | 3.93 | 2.66 | 1.70 | 0.99 | 0.53 | 0.22 | 0.04 | 0.00 |  |
| 50                 | 25.6 | 24.6 | 22.7 | 19.7 | 16.0 | 12.6 | 10.0 | 7.91 | 6.13 | 4.65 | 3.40 | 2.37 | 1.55 | 0.95 | 0.51 | 0.21 | 0.04 | 0.00 |  |
| 60                 | 15.0 | 13.8 | 12.5 | 11.1 | 9.67 | 8.29 | 6.96 | 5.70 | 4.57 | 3.54 | 2.65 | 1.89 | 1.28 | 0.79 | 0.42 | 0.17 | 0.03 | 0.00 |  |
| 70                 | 8.84 | 8.17 | 7.45 | 6.69 | 5.92 | 5.14 | 4.36 | 3.62 | 2.95 | 2.33 | 1.77 | 1.28 | 0.87 | 0.54 | 0.29 | 0.11 | 0.02 | 0.00 |  |
| 80                 | 3.88 | 3.60 | 3.29 | 2.97 | 2.63 | 2.30 | 1.97 | 1.66 | 1.35 | 1.07 | 0.81 | 0.58 | 0.39 | 0.23 | 0.11 | 0.03 | 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                | 0.01 | 0.02 | 0.02 | 0.01 | 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 |  |
| 130                | 0.03 | 0.06 | 0.08 | 0.09 | 0.10 | 0.10 | 0.08 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| 140                | 0.23 | 0.28 | 0.29 | 0.26 | 0.23 | 0.22 | 0.22 | 0.17 | 0.12 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| 150                | 0.62 | 0.61 | 0.59 | 0.56 | 0.50 | 0.47 | 0.38 | 0.31 | 0.24 | 0.18 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| 160                | 0.94 | 0.93 | 0.93 | 0.84 | 0.79 | 0.69 | 0.60 | 0.47 | 0.37 | 0.26 | 0.15 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| 170                | 1.26 | 1.24 | 1.20 | 1.08 | 0.99 | 0.91 | 0.76 | 0.66 | 0.51 | 0.39 | 0.24 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| 180                | 1.47 | 1.40 | 1.36 | 1.23 | 1.15 | 1.05 | 0.89 | 0.76 | 0.60 | 0.44 | 0.28 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |

H(β) Range:-90 - 90DEG  
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Test Date:2023-07-03

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V(B) Interval: 0.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.352  
Humidity:65.0%  
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Remarks: