

## Floodlight Summary:

Report based on lamp delivering 1000 lumens.

|                                    |                        |
|------------------------------------|------------------------|
| Maximum Intensity                  | 594.2 cd per klm.      |
| (Luminaire orientation as tested.) | 0.0 degrees vertical   |
|                                    | 0.0 degrees horizontal |

|             |                |                 |
|-------------|----------------|-----------------|
| Beam Spread | At 10% of Imax | 131.5V x 130.7H |
|             | At 50% of Imax | 75.4V x 75.1H   |
|             | At 90% of Imax | 34.3V x 34.4H   |

|           |                |                        |
|-----------|----------------|------------------------|
| Beam Flux | Total          | 1000.1 lumens per klm. |
|           | To 10% of Imax | 928.6 lumens per klm.  |
|           | To 50% of Imax | 579.5 lumens per klm.  |
|           | To 90% of Imax | 164.4 lumens per klm.  |

|              |        |
|--------------|--------|
| Upward LOR   | 1.2 %  |
| Downward LOR | 98.8 % |

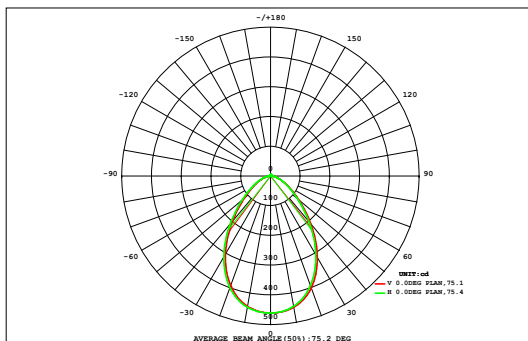
|                                          |         |
|------------------------------------------|---------|
| Luminaire Efficiency(Light Output Ratio) | 100.0 % |
|------------------------------------------|---------|

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ADMIN  
Test Date:2020-11-09

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:12.02V I:1.332A P:10.95W PF:0.6839 Freq:59.98Hz Lamp Flux:775.77x1 lm |                          |                               |
| NAME: LED LANDSCAPE LIGHT                                                    | TYPE:Aluminum Path Light | WEIGHT:                       |
| SPEC.:12W 2700K Flat matted glass                                            | DIM.:                    | SERIAL No.:1                  |
| MFR.: EVERFINE                                                               | SUR.:                    | Shielding Angle:TYPE A SHROUD |



| DATA OF LAMP      |                 | Eff:70.87lm/W    |          |
|-------------------|-----------------|------------------|----------|
| MODEL             | A3A4-12W-27K-BZ | Imax (cd)        | 461.0    |
| NOMINAL POWER (W) | 12              | AVAILABILITY (%) | 92.9     |
| RATED VOLTAGE (V) | 12              | Avai. FLUX (lm)  | 720.5    |
| NOMINAL FLUX (lm) | 775.77          | LOR (%)          | 100.0    |
| LAMPS INSIDE      | 1               | TOTAL FLUX (lm)  | 775.8    |
| TEST VOLTAGE (V)  | 12              | θ @50% (H,V)     | 75,75DEG |

| VERTICAL (DEG)   | AREA FLUX DIAGRAM |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | UNIT:lm |      | Φ t  | Φ a  |
|------------------|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---------|------|------|------|
|                  | 0.00              | 0.01 | 0.02 | 0.03 | 0.06 | 0.08 | 0.11 | 0.13 | 0.14 | 0.14 | 0.13 | 0.11 | 0.09 | 0.06 | 0.04 | 0.02 | 0.01    | 0.00 | 1.17 | 0.00 |
| 90               | 0.00              | 0.02 | 0.07 | 0.16 | 0.27 | 0.39 | 0.51 | 0.60 | 0.65 | 0.66 | 0.61 | 0.52 | 0.41 | 0.28 | 0.17 | 0.08 | 0.02    | 0.00 | 5.41 | 0.00 |
| 80               | 0.00              | 0.04 | 0.15 | 0.33 | 0.57 | 0.83 | 1.10 | 1.31 | 1.43 | 1.44 | 1.33 | 1.12 | 0.86 | 0.59 | 0.35 | 0.17 | 0.05    | 0.00 | 11.7 | 3.82 |
| 70               | 0.01              | 0.07 | 0.24 | 0.53 | 0.93 | 1.42 | 1.93 | 2.38 | 2.64 | 2.66 | 2.41 | 1.98 | 1.47 | 0.97 | 0.56 | 0.26 | 0.08    | 0.01 | 20.6 | 17.5 |
| 60               | 0.01              | 0.10 | 0.34 | 0.76 | 1.38 | 2.22 | 3.19 | 4.10 | 4.66 | 4.69 | 4.17 | 3.28 | 2.30 | 1.44 | 0.80 | 0.36 | 0.11    | 0.01 | 33.9 | 32.1 |
| 50               | 0.01              | 0.13 | 0.43 | 0.99 | 1.91 | 3.29 | 4.99 | 6.58 | 7.54 | 7.57 | 6.68 | 5.13 | 3.42 | 2.01 | 1.05 | 0.46 | 0.14    | 0.01 | 52.3 | 51.1 |
| 40               | 0.01              | 0.15 | 0.51 | 1.21 | 2.49 | 4.51 | 7.00 | 9.21 | 10.5 | 10.5 | 9.32 | 7.17 | 4.70 | 2.63 | 1.29 | 0.54 | 0.16    | 0.02 | 71.9 | 70.9 |
| 30               | 0.02              | 0.16 | 0.57 | 1.40 | 2.99 | 5.58 | 8.64 | 11.2 | 12.6 | 12.7 | 11.3 | 8.84 | 5.81 | 3.17 | 1.50 | 0.61 | 0.18    | 0.02 | 87.3 | 86.4 |
| 20               | 0.02              | 0.17 | 0.60 | 1.50 | 3.29 | 6.19 | 9.53 | 12.2 | 13.7 | 13.7 | 12.4 | 9.77 | 6.46 | 3.51 | 1.62 | 0.64 | 0.19    | 0.02 | 95.5 | 94.7 |
| 10               | 0.02              | 0.17 | 0.60 | 1.51 | 3.30 | 6.21 | 9.56 | 12.3 | 13.7 | 13.7 | 12.4 | 9.80 | 6.48 | 3.52 | 1.62 | 0.65 | 0.19    | 0.02 | 95.7 | 94.9 |
| 0                | 0.02              | 0.16 | 0.57 | 1.41 | 3.02 | 5.64 | 8.73 | 11.3 | 12.8 | 12.8 | 11.5 | 8.93 | 5.87 | 3.20 | 1.51 | 0.61 | 0.18    | 0.02 | 88.2 | 87.3 |
| -10              | 0.01              | 0.15 | 0.51 | 1.23 | 2.53 | 4.60 | 7.14 | 9.39 | 10.7 | 10.7 | 9.50 | 7.31 | 4.78 | 2.67 | 1.31 | 0.55 | 0.16    | 0.02 | 73.3 | 72.3 |
| -20              | 0.01              | 0.13 | 0.43 | 1.00 | 1.95 | 3.37 | 5.15 | 6.81 | 7.83 | 7.86 | 6.90 | 5.28 | 3.51 | 2.05 | 1.06 | 0.46 | 0.14    | 0.01 | 54.0 | 52.7 |
| -30              | 0.01              | 0.10 | 0.34 | 0.77 | 1.41 | 2.28 | 3.32 | 4.29 | 4.91 | 4.94 | 4.36 | 3.41 | 2.37 | 1.47 | 0.81 | 0.37 | 0.11    | 0.01 | 35.3 | 33.6 |
| -40              | 0.01              | 0.07 | 0.25 | 0.54 | 0.96 | 1.46 | 2.01 | 2.49 | 2.79 | 2.80 | 2.53 | 2.05 | 1.51 | 1.00 | 0.57 | 0.27 | 0.08    | 0.01 | 21.4 | 18.5 |
| -50              | 0.00              | 0.05 | 0.15 | 0.34 | 0.58 | 0.86 | 1.14 | 1.37 | 1.50 | 1.51 | 1.38 | 1.16 | 0.89 | 0.61 | 0.36 | 0.17 | 0.05    | 0.00 | 12.1 | 4.66 |
| -60              | 0.00              | 0.02 | 0.07 | 0.16 | 0.27 | 0.40 | 0.52 | 0.62 | 0.68 | 0.68 | 0.63 | 0.54 | 0.42 | 0.29 | 0.17 | 0.08 | 0.02    | 0.00 | 5.58 | 0.00 |
| -70              | 0.00              | 0.01 | 0.02 | 0.03 | 0.06 | 0.09 | 0.11 | 0.13 | 0.15 | 0.15 | 0.14 | 0.12 | 0.09 | 0.06 | 0.04 | 0.02 | 0.01    | 0.00 | 1.21 | 0.00 |
| -80              | 0.00              | 0.01 | 0.02 | 0.03 | 0.06 | 0.09 | 0.11 | 0.13 | 0.15 | 0.15 | 0.14 | 0.12 | 0.09 | 0.06 | 0.04 | 0.02 | 0.01    | 0.00 | 1.21 | 0.00 |
| -90              | 0.00              | 0.01 | 0.02 | 0.03 | 0.06 | 0.09 | 0.11 | 0.13 | 0.15 | 0.15 | 0.14 | 0.12 | 0.09 | 0.06 | 0.04 | 0.02 | 0.01    | 0.00 | 1.21 | 0.00 |
| HORIZONTAL (DEG) |                   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |         |      |      |      |
| Φ t              | 0.16              | 1.70 | 5.88 | 13.9 | 28.0 | 49.4 | 74.7 | 96.5 | 109  | 109  | 97.7 | 76.5 | 51.4 | 29.5 | 14.8 | 6.31 | 1.86    | 0.18 | 767  | ---  |
| Φ a              | 0.00              | 0.00 | 1.62 | 10.7 | 25.0 | 46.6 | 71.9 | 93.8 | 106  | 107  | 95.0 | 73.8 | 48.7 | 26.7 | 11.7 | 2.21 | 0.00    | 0.00 | ---  | 721  |

one-half-peak spread: U:38.4,D:37.4 , L:37.2,R:38.4

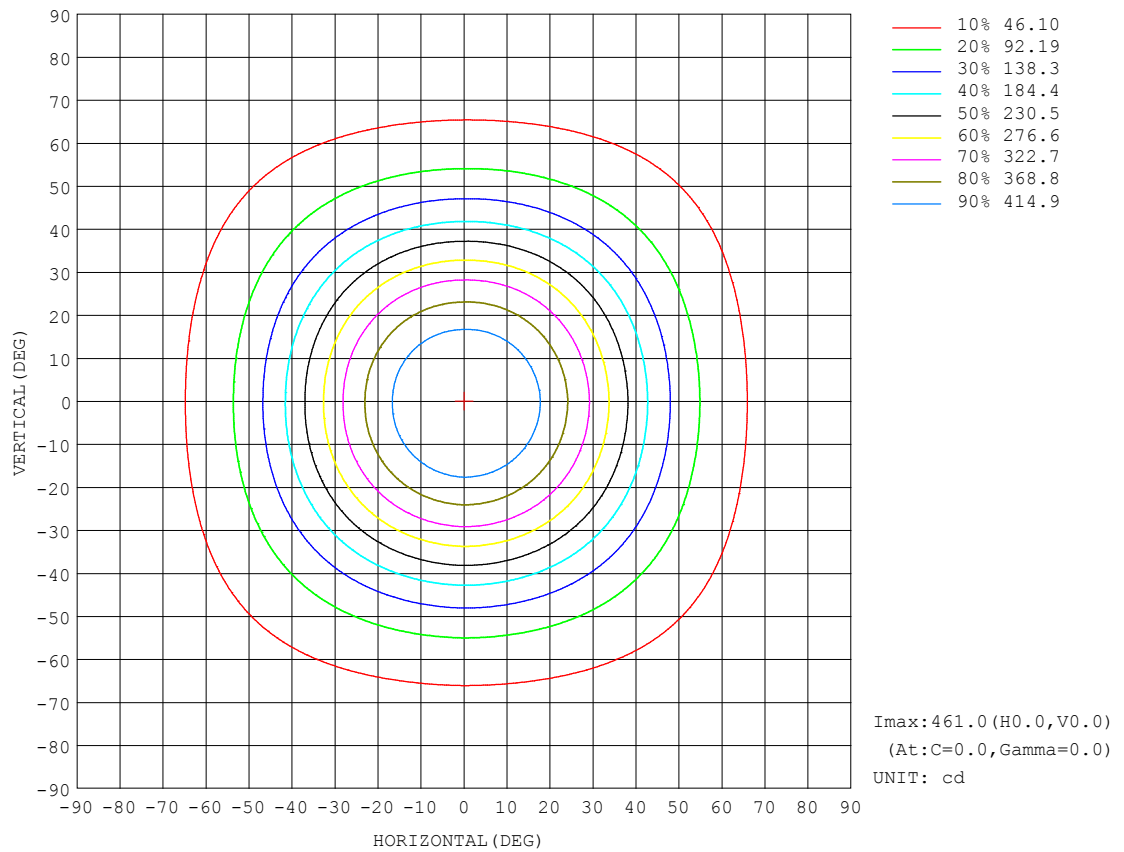
NEMA Beam Type: Type 7

H(β) Range:-90 - 90DEG  
H(β) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ADMIN  
Test Date:2020-11-09

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:12.02V I:1.332A P:10.95W PF:0.6839 Freq:59.98Hz Lamp Flux:775.77x1 lm |                          |                               |
| NAME: LED LANDSCAPE LIGHT                                                    | TYPE:Aluminum Path Light | WEIGHT:                       |
| SPEC.:12W 2700K Flat matted glass                                            | DIM.:                    | SERIAL No.:1                  |
| MFR.: EVERFINE                                                               | SUR.:                    | Shielding Angle:TYPE A SHROUD |

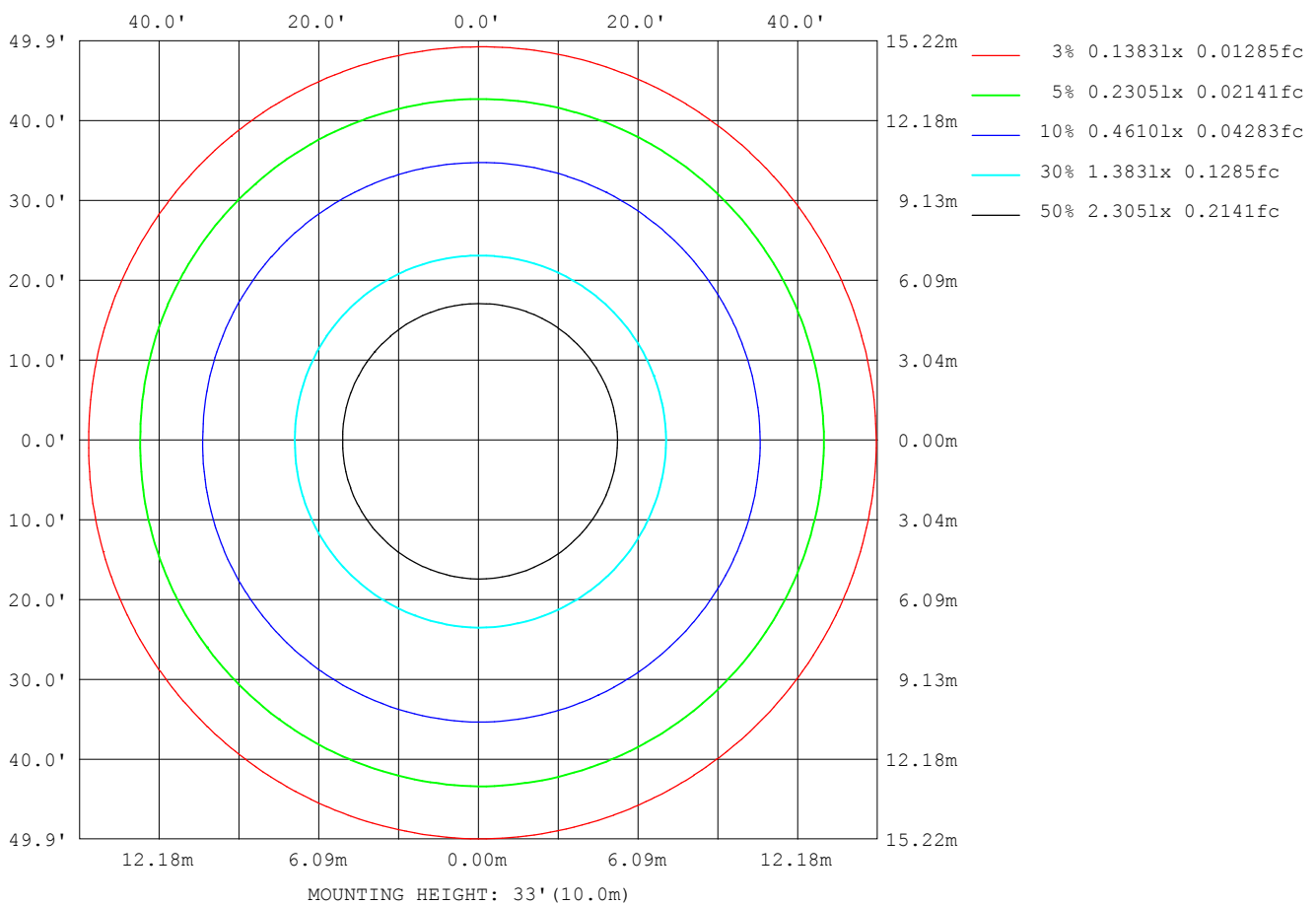


H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ADMIN  
Test Date:2020-11-09

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

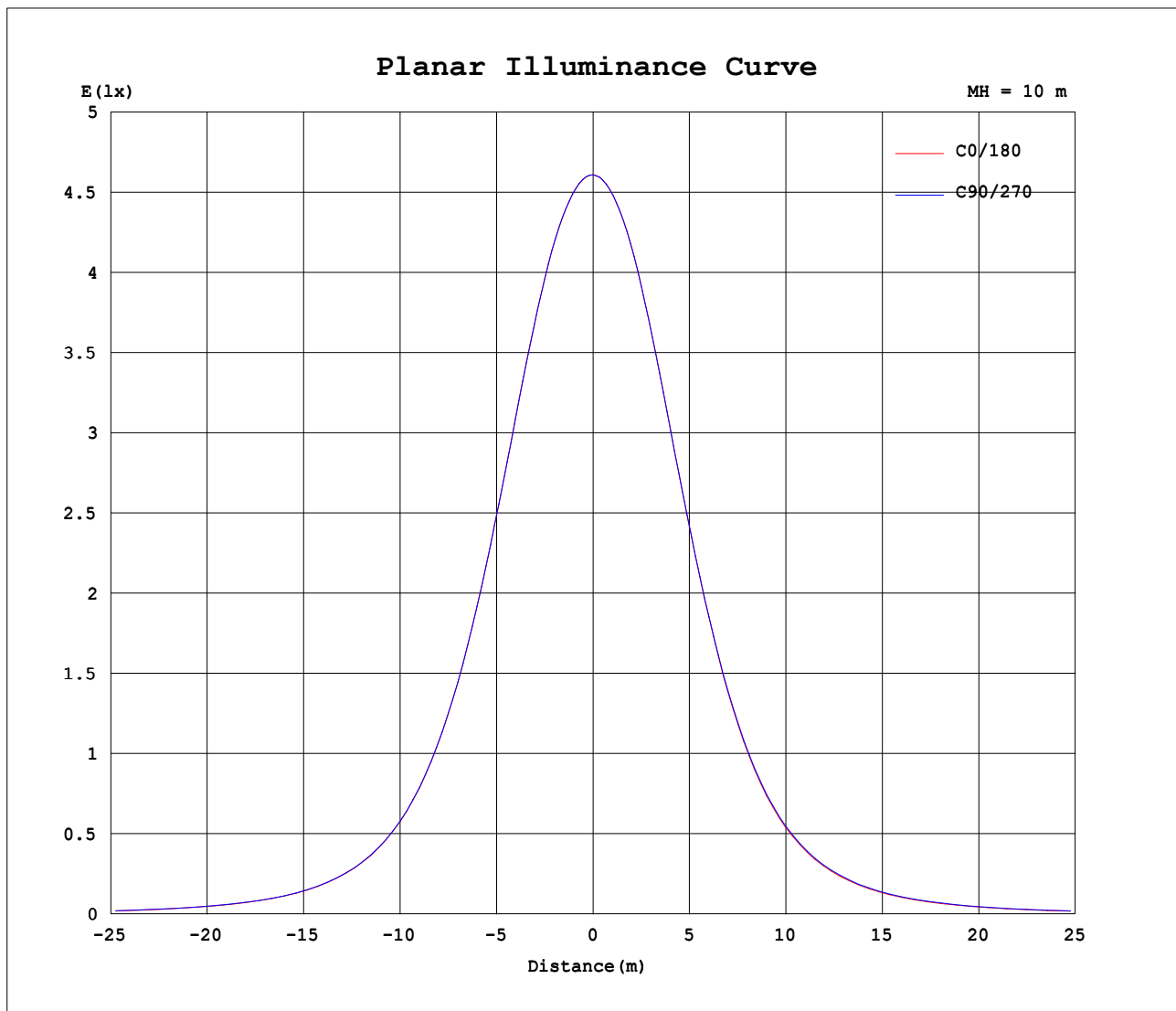
|                                                                              |                          |                               |
|------------------------------------------------------------------------------|--------------------------|-------------------------------|
| Test:U:12.02V I:1.332A P:10.95W PF:0.6839 Freq:59.98Hz Lamp Flux:775.77x1 lm |                          |                               |
| NAME: LED LANDSCAPE LIGHT                                                    | TYPE:Aluminum Path Light | WEIGHT:                       |
| SPEC.:12W 2700K Flat matted glass                                            | DIM.:                    | SERIAL No.:1                  |
| MFR.: EVERFINE                                                               | SUR.:                    | Shielding Angle:TYPE A SHROUD |



H(β) Range:-90 - 90DEG  
H(β) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ADMIN  
Test Date:2020-11-09

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

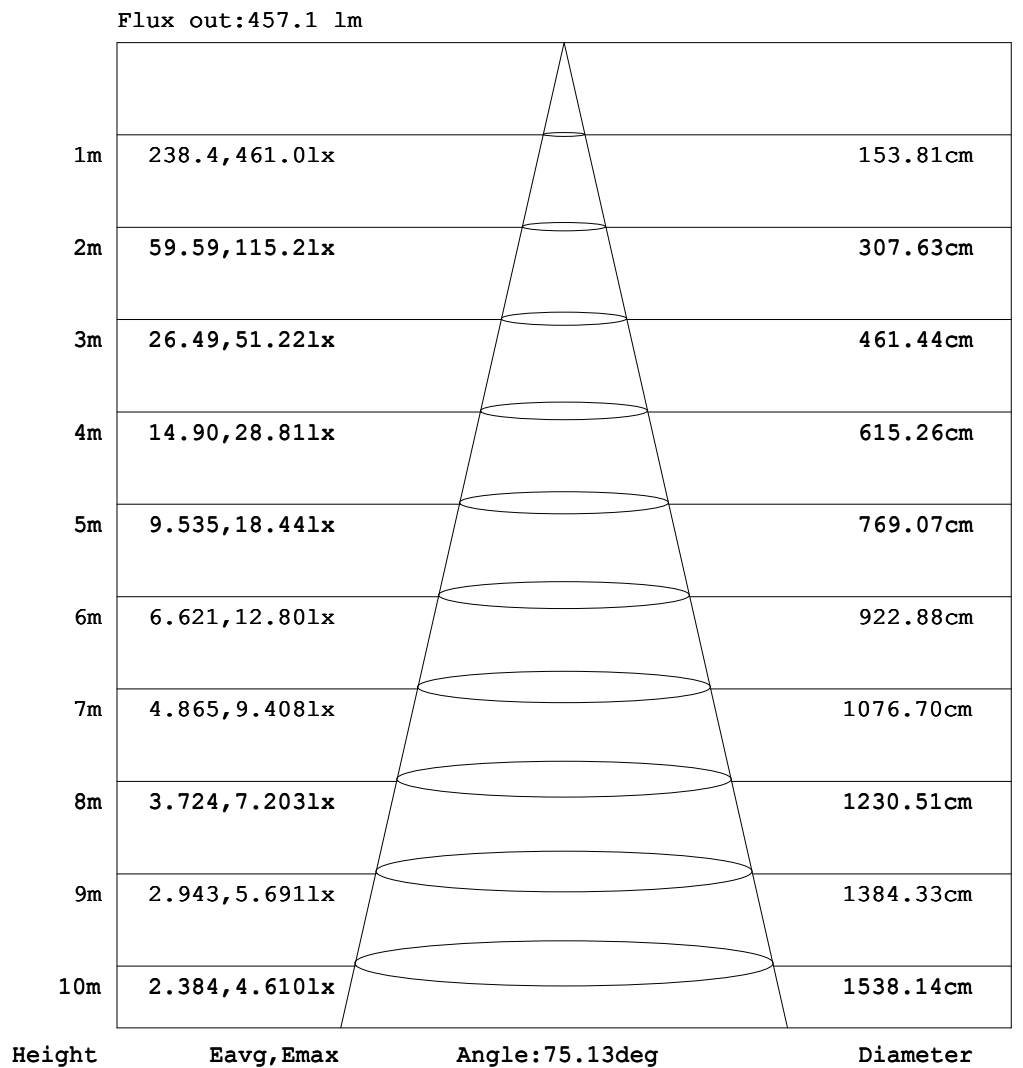


H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ADMIN  
Test Date:2020-11-09

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:12.02V I:1.332A P:10.95W PF:0.6839 Freq:59.98Hz Lamp Flux:775.77x1 lm |                          |                               |
| NAME: LED LANDSCAPE LIGHT                                                    | TYPE:Aluminum Path Light | WEIGHT:                       |
| SPEC.:12W 2700K Flat matted glass                                            | DIM.:                    | SERIAL No.:1                  |
| MFR.: EVERFINE                                                               | SUR.:                    | Shielding Angle:TYPE A SHROUD |



Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ADMIN  
Test Date:2020-11-09

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:12.02V I:1.332A P:10.95W PF:0.6839 Freq:59.98Hz Lamp Flux:775.77x1 lm |                          |                               |
| NAME: LED LANDSCAPE LIGHT                                                    | TYPE:Aluminum Path Light | WEIGHT:                       |
| SPEC.:12W 2700K Flat matted glass                                            | DIM.:                    | SERIAL No.:1                  |
| MFR.: EVERFINE                                                               | SUR.:                    | Shielding Angle:TYPE A SHROUD |

Table--1

UNIT: cd

| H (DEG)<br>V (DEG) | -90  | -85  | -80  | -75  | -70  | -65  | -60  | -55  | -50  | -45  | -40  | -35  | -30  | -25  | -20  | -15  | -10  | -5   | 0    |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| -180               | 0.19 | 0.00 | 0.02 | 0.14 | 0.33 | 0.54 | 0.82 | 1.13 | 1.48 | 1.89 | 2.28 | 2.69 | 3.08 | 3.47 | 3.87 | 4.22 | 4.53 | 4.83 | 5.00 |
| -170               | 0.19 | 0.00 | 0.02 | 0.14 | 0.32 | 0.54 | 0.82 | 1.13 | 1.48 | 1.88 | 2.27 | 2.68 | 3.08 | 3.45 | 3.83 | 4.17 | 4.46 | 4.67 | 4.80 |
| -160               | 0.19 | 0.00 | 0.01 | 0.13 | 0.29 | 0.50 | 0.75 | 1.04 | 1.37 | 1.74 | 2.11 | 2.48 | 2.85 | 3.19 | 3.51 | 3.80 | 4.04 | 4.20 | 4.31 |
| -150               | 0.19 | 0.00 | 0.01 | 0.10 | 0.25 | 0.43 | 0.65 | 0.90 | 1.18 | 1.48 | 1.80 | 2.12 | 2.43 | 2.73 | 3.00 | 3.23 | 3.41 | 3.56 | 3.65 |
| -140               | 0.19 | 0.00 | 0.01 | 0.08 | 0.19 | 0.33 | 0.50 | 0.70 | 0.92 | 1.16 | 1.40 | 1.65 | 1.90 | 2.14 | 2.35 | 2.53 | 2.67 | 2.79 | 2.87 |
| -130               | 0.19 | 0.00 | 0.01 | 0.04 | 0.11 | 0.23 | 0.35 | 0.49 | 0.64 | 0.81 | 0.99 | 1.15 | 1.33 | 1.50 | 1.64 | 1.78 | 1.89 | 1.97 | 2.03 |
| -120               | 0.19 | 0.00 | 0.01 | 0.02 | 0.05 | 0.12 | 0.20 | 0.29 | 0.38 | 0.49 | 0.59 | 0.71 | 0.81 | 0.90 | 1.00 | 1.08 | 1.15 | 1.21 | 1.24 |
| -110               | 0.19 | 0.03 | 0.00 | 0.01 | 0.02 | 0.04 | 0.08 | 0.13 | 0.17 | 0.23 | 0.28 | 0.34 | 0.39 | 0.45 | 0.49 | 0.53 | 0.57 | 0.60 | 0.62 |
| -100               | 0.19 | 0.12 | 0.03 | 0.00 | 0.01 | 0.02 | 0.02 | 0.03 | 0.05 | 0.06 | 0.08 | 0.10 | 0.12 | 0.13 | 0.15 | 0.17 | 0.19 | 0.21 | 0.22 |
| -90                | 0.19 | 0.20 | 0.22 | 0.23 | 0.24 | 0.25 | 0.26 | 0.28 | 0.29 | 0.30 | 0.31 | 0.33 | 0.34 | 0.35 | 0.36 | 0.37 | 0.39 | 0.40 | 0.41 |
| -80                | 0.19 | 0.40 | 0.82 | 1.40 | 2.11 | 2.92 | 3.79 | 4.75 | 5.72 | 6.68 | 7.63 | 8.53 | 9.36 | 10.1 | 10.8 | 11.3 | 11.7 | 12.0 | 12.1 |
| -70                | 0.19 | 0.79 | 2.05 | 3.80 | 5.97 | 8.40 | 11.0 | 13.7 | 16.5 | 19.2 | 21.9 | 24.4 | 26.8 | 28.9 | 30.8 | 32.4 | 33.6 | 34.4 | 34.8 |
| -60                | 0.19 | 1.29 | 3.64 | 6.95 | 10.9 | 15.2 | 19.9 | 24.8 | 29.8 | 35.0 | 40.2 | 45.3 | 50.3 | 55.0 | 59.1 | 62.7 | 65.5 | 67.4 | 68.3 |
| -50                | 0.19 | 1.85 | 5.45 | 10.3 | 16.1 | 22.5 | 29.5 | 37.0 | 45.2 | 54.0 | 63.3 | 73.1 | 83.3 | 93.3 | 103  | 111  | 118  | 122  | 124  |
| -40                | 0.19 | 2.41 | 7.19 | 13.6 | 21.1 | 29.6 | 39.2 | 50.0 | 62.4 | 76.7 | 93.1 | 111  | 131  | 151  | 170  | 186  | 200  | 208  | 212  |
| -30                | 0.19 | 2.91 | 8.73 | 16.4 | 25.5 | 36.0 | 48.3 | 62.9 | 80.8 | 103  | 129  | 159  | 191  | 224  | 253  | 278  | 298  | 310  | 315  |
| -20                | 0.19 | 3.29 | 9.93 | 18.6 | 29.0 | 41.2 | 55.9 | 74.5 | 98.1 | 128  | 165  | 206  | 250  | 292  | 329  | 359  | 381  | 395  | 400  |
| -10                | 0.19 | 3.53 | 10.7 | 20.0 | 31.1 | 44.5 | 61.0 | 82.4 | 110  | 147  | 191  | 240  | 291  | 337  | 377  | 409  | 431  | 444  | 448  |
| 0                  | 0.19 | 3.60 | 10.9 | 20.4 | 31.8 | 45.4 | 62.5 | 84.9 | 114  | 153  | 199  | 252  | 304  | 352  | 392  | 424  | 446  | 457  | 461  |
| 10                 | 0.19 | 3.53 | 10.7 | 19.9 | 31.1 | 44.3 | 60.8 | 82.0 | 110  | 146  | 190  | 239  | 289  | 335  | 375  | 407  | 429  | 441  | 445  |
| 20                 | 0.19 | 3.29 | 9.91 | 18.5 | 28.9 | 41.0 | 55.5 | 73.8 | 97.0 | 127  | 162  | 203  | 246  | 288  | 324  | 353  | 375  | 388  | 392  |
| 30                 | 0.19 | 2.90 | 8.70 | 16.4 | 25.4 | 35.7 | 47.8 | 62.2 | 79.6 | 101  | 126  | 155  | 187  | 218  | 247  | 271  | 290  | 301  | 305  |
| 40                 | 0.19 | 2.40 | 7.16 | 13.5 | 20.9 | 29.4 | 38.7 | 49.3 | 61.3 | 75.1 | 90.7 | 108  | 127  | 145  | 163  | 179  | 191  | 199  | 202  |
| 50                 | 0.19 | 1.84 | 5.42 | 10.3 | 16.0 | 22.2 | 29.1 | 36.4 | 44.3 | 52.7 | 61.7 | 71.0 | 80.4 | 89.7 | 98.3 | 106  | 112  | 115  | 117  |
| 60                 | 0.19 | 1.29 | 3.62 | 6.89 | 10.8 | 15.1 | 19.6 | 24.4 | 29.3 | 34.2 | 39.2 | 44.0 | 48.6 | 53.0 | 56.8 | 60.0 | 62.5 | 64.1 | 64.7 |
| 70                 | 0.19 | 0.78 | 2.04 | 3.76 | 5.90 | 8.29 | 10.9 | 13.5 | 16.2 | 18.8 | 21.4 | 23.8 | 26.0 | 28.0 | 29.8 | 31.2 | 32.2 | 32.9 | 33.2 |
| 80                 | 0.19 | 0.40 | 0.81 | 1.38 | 2.08 | 2.87 | 3.71 | 4.65 | 5.59 | 6.51 | 7.43 | 8.28 | 9.06 | 9.76 | 10.4 | 10.9 | 11.2 | 11.5 | 11.6 |
| 90                 | 0.19 | 0.20 | 0.21 | 0.22 | 0.24 | 0.25 | 0.26 | 0.27 | 0.28 | 0.29 | 0.30 | 0.31 | 0.33 | 0.34 | 0.35 | 0.36 | 0.37 | 0.38 | 0.39 |
| 100                | 0.19 | 0.12 | 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 | 0.00 |
| 110                | 0.19 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.04 | 0.06 | 0.11 | 0.14 | 0.16 | 0.19 | 0.22 | 0.24 | 0.26 | 0.28 | 0.29 | 0.29 |
| 120                | 0.19 | 0.00 | 0.00 | 0.00 | 0.01 | 0.06 | 0.13 | 0.18 | 0.26 | 0.33 | 0.41 | 0.48 | 0.56 | 0.62 | 0.66 | 0.72 | 0.75 | 0.76 | 0.77 |
| 130                | 0.19 | 0.00 | 0.00 | 0.01 | 0.07 | 0.16 | 0.26 | 0.38 | 0.50 | 0.63 | 0.77 | 0.89 | 1.04 | 1.16 | 1.26 | 1.34 | 1.40 | 1.46 | 1.48 |
| 140                | 0.19 | 0.00 | 0.00 | 0.05 | 0.15 | 0.27 | 0.42 | 0.60 | 0.78 | 0.97 | 1.18 | 1.38 | 1.60 | 1.80 | 1.95 | 2.07 | 2.16 | 2.23 | 2.25 |
| 150                | 0.19 | 0.00 | 0.00 | 0.07 | 0.21 | 0.38 | 0.57 | 0.80 | 1.05 | 1.31 | 1.61 | 1.88 | 2.15 | 2.41 | 2.63 | 2.82 | 2.96 | 3.04 | 3.06 |
| 160                | 0.19 | 0.00 | 0.01 | 0.12 | 0.27 | 0.46 | 0.69 | 0.97 | 1.28 | 1.62 | 1.96 | 2.30 | 2.64 | 2.96 | 3.23 | 3.48 | 3.69 | 3.81 | 3.85 |
| 170                | 0.19 | 0.00 | 0.02 | 0.14 | 0.31 | 0.52 | 0.79 | 1.09 | 1.43 | 1.82 | 2.19 | 2.59 | 2.98 | 3.33 | 3.69 | 4.01 | 4.27 | 4.45 | 4.51 |
| 180                | 0.19 | 0.00 | 0.02 | 0.14 | 0.33 | 0.54 | 0.82 | 1.13 | 1.48 | 1.89 | 2.28 | 2.69 | 3.08 | 3.47 | 3.87 | 4.22 | 4.53 | 4.83 | 5.02 |

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ADMIN  
Test Date:2020-11-09

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:12.02V I:1.332A P:10.95W PF:0.6839 Freq:59.98Hz Lamp Flux:775.77x1 lm |                          |                               |
| NAME: LED LANDSCAPE LIGHT                                                    | TYPE:Aluminum Path Light | WEIGHT:                       |
| SPEC.:12W 2700K Flat matted glass                                            | DIM.:                    | SERIAL No.:1                  |
| MFR.: EVERFINE                                                               | SUR.:                    | Shielding Angle:TYPE A SHROUD |

Table--2

UNIT: cd

| H (DEG)<br>V (DEG) | 5    | 10   | 15   | 20   | 25   | 30   | 35   | 40   | 45   | 50   | 55   | 60   | 65   | 70   | 75   | 80   | 85   | 90   |  |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| -180               | 4.94 | 4.75 | 4.55 | 4.26 | 3.94 | 3.59 | 3.19 | 2.79 | 2.38 | 1.94 | 1.54 | 1.17 | 0.85 | 0.59 | 0.33 | 0.14 | 0.18 | 0.47 |  |
| -170               | 4.75 | 4.62 | 4.40 | 4.13 | 3.82 | 3.49 | 3.11 | 2.71 | 2.31 | 1.89 | 1.50 | 1.13 | 0.82 | 0.56 | 0.32 | 0.14 | 0.18 | 0.47 |  |
| -160               | 4.27 | 4.17 | 3.99 | 3.77 | 3.49 | 3.18 | 2.84 | 2.48 | 2.10 | 1.72 | 1.38 | 1.05 | 0.75 | 0.49 | 0.29 | 0.13 | 0.19 | 0.47 |  |
| -150               | 3.61 | 3.52 | 3.39 | 3.20 | 2.98 | 2.70 | 2.42 | 2.10 | 1.80 | 1.47 | 1.17 | 0.89 | 0.64 | 0.44 | 0.27 | 0.12 | 0.20 | 0.47 |  |
| -140               | 2.84 | 2.76 | 2.66 | 2.51 | 2.33 | 2.12 | 1.89 | 1.65 | 1.40 | 1.15 | 0.91 | 0.71 | 0.50 | 0.35 | 0.21 | 0.10 | 0.22 | 0.47 |  |
| -130               | 2.01 | 1.95 | 1.88 | 1.76 | 1.64 | 1.50 | 1.34 | 1.16 | 0.98 | 0.83 | 0.66 | 0.50 | 0.38 | 0.27 | 0.14 | 0.08 | 0.23 | 0.47 |  |
| -120               | 1.23 | 1.20 | 1.14 | 1.09 | 1.00 | 0.92 | 0.83 | 0.72 | 0.63 | 0.51 | 0.43 | 0.32 | 0.25 | 0.15 | 0.10 | 0.17 | 0.26 | 0.47 |  |
| -110               | 0.62 | 0.60 | 0.57 | 0.54 | 0.51 | 0.47 | 0.42 | 0.37 | 0.31 | 0.27 | 0.22 | 0.16 | 0.13 | 0.09 | 0.16 | 0.22 | 0.31 | 0.47 |  |
| -100               | 0.21 | 0.21 | 0.20 | 0.18 | 0.17 | 0.16 | 0.14 | 0.13 | 0.11 | 0.09 | 0.10 | 0.14 | 0.17 | 0.20 | 0.23 | 0.30 | 0.40 | 0.47 |  |
| -90                | 0.41 | 0.42 | 0.42 | 0.42 | 0.43 | 0.43 | 0.43 | 0.44 | 0.44 | 0.44 | 0.45 | 0.45 | 0.45 | 0.46 | 0.46 | 0.46 | 0.47 | 0.47 |  |
| -80                | 12.0 | 11.8 | 11.5 | 11.0 | 10.5 | 9.77 | 8.98 | 8.13 | 7.21 | 6.21 | 5.08 | 3.79 | 2.91 | 2.15 | 1.56 | 1.10 | 0.70 | 0.47 |  |
| -70                | 34.6 | 33.9 | 32.8 | 31.4 | 29.6 | 27.6 | 25.3 | 22.8 | 20.1 | 17.4 | 14.7 | 11.9 | 9.26 | 6.73 | 3.85 | 2.10 | 1.08 | 0.47 |  |
| -60                | 67.8 | 66.2 | 63.6 | 60.2 | 56.2 | 51.7 | 46.8 | 41.7 | 36.5 | 31.3 | 26.2 | 21.2 | 16.4 | 11.9 | 7.87 | 3.64 | 1.49 | 0.47 |  |
| -50                | 123  | 119  | 113  | 105  | 95.7 | 85.8 | 75.7 | 65.8 | 56.3 | 47.3 | 39.0 | 31.2 | 24.0 | 17.4 | 11.5 | 6.24 | 1.92 | 0.47 |  |
| -40                | 209  | 202  | 189  | 173  | 155  | 135  | 116  | 97.2 | 80.5 | 65.7 | 52.8 | 41.5 | 31.6 | 22.7 | 14.9 | 8.21 | 2.41 | 0.47 |  |
| -30                | 311  | 300  | 282  | 258  | 229  | 198  | 165  | 135  | 108  | 85.5 | 66.8 | 51.3 | 38.5 | 27.5 | 18.0 | 9.85 | 2.90 | 0.47 |  |
| -20                | 396  | 384  | 363  | 334  | 299  | 258  | 215  | 173  | 136  | 104  | 79.4 | 59.7 | 44.0 | 31.2 | 20.3 | 11.1 | 3.29 | 0.47 |  |
| -10                | 445  | 434  | 414  | 384  | 345  | 300  | 251  | 201  | 156  | 118  | 88.3 | 65.5 | 47.7 | 33.6 | 21.8 | 12.0 | 3.52 | 0.47 |  |
| 0                  | 458  | 448  | 430  | 401  | 361  | 315  | 263  | 212  | 163  | 123  | 91.5 | 67.5 | 49.0 | 34.4 | 22.3 | 12.2 | 3.60 | 0.47 |  |
| 10                 | 442  | 431  | 411  | 381  | 343  | 298  | 249  | 200  | 155  | 117  | 87.9 | 65.3 | 47.6 | 33.5 | 21.8 | 11.9 | 3.52 | 0.47 |  |
| 20                 | 389  | 378  | 358  | 329  | 294  | 254  | 212  | 171  | 134  | 103  | 78.7 | 59.3 | 43.8 | 31.1 | 20.3 | 11.1 | 3.28 | 0.47 |  |
| 30                 | 302  | 292  | 275  | 252  | 224  | 193  | 162  | 132  | 106  | 84.3 | 66.0 | 50.9 | 38.2 | 27.3 | 17.9 | 9.83 | 2.89 | 0.47 |  |
| 40                 | 200  | 193  | 182  | 167  | 150  | 131  | 112  | 94.8 | 78.8 | 64.6 | 52.0 | 41.0 | 31.3 | 22.6 | 14.9 | 8.18 | 2.41 | 0.47 |  |
| 50                 | 116  | 113  | 108  | 100  | 92.1 | 83.0 | 73.6 | 64.2 | 55.1 | 46.5 | 38.4 | 30.9 | 23.8 | 17.3 | 11.4 | 6.22 | 1.92 | 0.47 |  |
| 60                 | 64.4 | 63.1 | 60.9 | 57.9 | 54.2 | 50.0 | 45.4 | 40.6 | 35.7 | 30.7 | 25.8 | 20.9 | 16.3 | 11.8 | 7.82 | 3.62 | 1.48 | 0.47 |  |
| 70                 | 33.0 | 32.5 | 31.6 | 30.3 | 28.7 | 26.8 | 24.6 | 22.3 | 19.7 | 17.1 | 14.4 | 11.8 | 9.14 | 6.66 | 3.81 | 2.09 | 1.08 | 0.47 |  |
| 80                 | 11.5 | 11.4 | 11.1 | 10.7 | 10.1 | 9.47 | 8.73 | 7.92 | 7.04 | 6.08 | 4.98 | 3.71 | 2.86 | 2.12 | 1.54 | 1.09 | 0.70 | 0.47 |  |
| 90                 | 0.40 | 0.40 | 0.41 | 0.41 | 0.42 | 0.42 | 0.42 | 0.43 | 0.43 | 0.44 | 0.44 | 0.45 | 0.45 | 0.45 | 0.46 | 0.46 | 0.47 | 0.47 |  |
| 100                | 0.01 | 0.02 | 0.02 | 0.03 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.06 | 0.12 | 0.15 | 0.19 | 0.23 | 0.30 | 0.40 | 0.47 |  |
| 110                | 0.30 | 0.31 | 0.31 | 0.29 | 0.28 | 0.26 | 0.24 | 0.23 | 0.20 | 0.16 | 0.12 | 0.10 | 0.08 | 0.06 | 0.15 | 0.21 | 0.31 | 0.47 |  |
| 120                | 0.79 | 0.79 | 0.79 | 0.74 | 0.71 | 0.67 | 0.60 | 0.54 | 0.47 | 0.39 | 0.32 | 0.25 | 0.19 | 0.11 | 0.08 | 0.17 | 0.26 | 0.47 |  |
| 130                | 1.49 | 1.47 | 1.44 | 1.38 | 1.30 | 1.21 | 1.08 | 0.95 | 0.81 | 0.68 | 0.54 | 0.42 | 0.32 | 0.22 | 0.12 | 0.07 | 0.23 | 0.47 |  |
| 140                | 2.27 | 2.24 | 2.20 | 2.11 | 1.99 | 1.81 | 1.62 | 1.43 | 1.22 | 1.01 | 0.81 | 0.62 | 0.45 | 0.31 | 0.18 | 0.09 | 0.22 | 0.47 |  |
| 150                | 3.10 | 3.06 | 2.98 | 2.83 | 2.66 | 2.42 | 2.18 | 1.91 | 1.64 | 1.35 | 1.07 | 0.82 | 0.58 | 0.40 | 0.25 | 0.11 | 0.20 | 0.47 |  |
| 160                | 3.87 | 3.82 | 3.68 | 3.49 | 3.25 | 2.97 | 2.66 | 2.33 | 1.98 | 1.63 | 1.30 | 0.99 | 0.71 | 0.47 | 0.27 | 0.13 | 0.19 | 0.47 |  |
| 170                | 4.53 | 4.43 | 4.24 | 3.99 | 3.69 | 3.38 | 3.02 | 2.63 | 2.24 | 1.83 | 1.47 | 1.10 | 0.80 | 0.55 | 0.32 | 0.14 | 0.18 | 0.47 |  |
| 180                | 4.94 | 4.75 | 4.55 | 4.26 | 3.94 | 3.59 | 3.19 | 2.79 | 2.38 | 1.94 | 1.54 | 1.17 | 0.85 | 0.59 | 0.33 | 0.14 | 0.18 | 0.47 |  |

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ADMIN  
Test Date:2020-11-09

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: