

# Floodlight Summary:

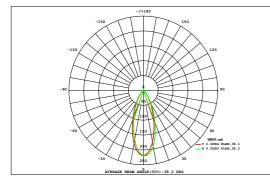
Report based on lamp delivering 1000 lumens.

| Maximum Intensity   |                       | 1795.0 cd per klm.     |
|---------------------|-----------------------|------------------------|
| (Luminaire orientat | ion as tested.)       | 0.0 degrees vertical   |
|                     |                       | 0.0 degrees horizontal |
|                     |                       |                        |
|                     |                       |                        |
| Beam Spread         | At 10% of Imax        | 76.6V x 76.8H          |
|                     | At 50% of Imax        | 38.2V x 38.1H          |
|                     | At 90% of Imax        | 14.5V x 14.3H          |
|                     |                       |                        |
|                     |                       |                        |
| Beam Flux           | Total                 | 1000.3 lumens per klm. |
|                     | To 10% of Imax        | 876.6 lumens per klm.  |
|                     | To 50% of Imax        | 449.7 lumens per klm.  |
|                     | To 90% of Imax        | 87.3 lumens per klm.   |
|                     |                       |                        |
|                     |                       |                        |
|                     | Upward LOR            | 0.9 %                  |
|                     | Downward LOR          | 99.2 %                 |
|                     |                       |                        |
| Luminaire Efficienc | y(Light Output Ratio) | 100.0 %                |



# LUMINAIRE PHOTOMETRIC TEST REPORT

| Test:U:12.15V I:0.2715A P:2.002W PF:0.6069 Freq:59.97Hz Lamp Flux:122.348x1 lm |                         |                  |  |  |  |  |  |  |  |  |  |
|--|-------------------------|------------------|--|--|--|--|--|--|--|--|--|
| NAME: LED LANDSCAPE LIGHT  | TYPE:Nano CW 2.5W 4110K | WEIGHT:          |  |  |  |  |  |  |  |  |  |
| SPEC.:30°LENS  | DIM.:                   | SERIAL No.:1     |  |  |  |  |  |  |  |  |  |
| MFR.: EVERFINE   | SUR.:                   | Shielding Angle: |  |  |  |  |  |  |  |  |  |



| DATA       | OF LAN   | MP       | Eff:61.12lm/W   |          |  |  |  |  |  |  |
|------------|----------|----------|-----------------|----------|--|--|--|--|--|--|
| MODEL      | N7B1-2   | .5W-30-A | Imax (cd)       | 219.6    |  |  |  |  |  |  |
| NOMINAL PO | WER (W)  | 2.5      | AVAILABILITY(%) | 88.0     |  |  |  |  |  |  |
| RATED VOLT | 'AGE (V) | 12       | Avai. FLUX(lm)  | 107.7    |  |  |  |  |  |  |
| NOMINAL FI | UX(lm)   | 122.348  | LOR (%)         | 100.0    |  |  |  |  |  |  |
| LAMPS INSI | DE       | 1        | TOTAL FLUX(lm)  | 122.3    |  |  |  |  |  |  |
| TEST VOLTA | GE (V)   | 12       | θ @50%(H,V)     | 38,38DEG |  |  |  |  |  |  |

|              | AREA FLUX DIAGRAM UNIT:lm |       |       |       |       |       |       |       |          |        |       |      |      |      |      |      |      |      |      |      |
|--------------|---------------------------|-------|-------|-------|-------|-------|-------|-------|----------|--------|-------|------|------|------|------|------|------|------|------|------|
| 72           |                           |       |       |       |       |       | 1     | AREA  | A F.L.U. | K DIA  | GRAM  |      |      |      |      |      | UNIT | : 1m | Φt   | Фа   |
| 64           | 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 |
| 56           | 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 | 0.18 | 0.00 |
| 48           | 0.00                      | 0.00  | 0.00  | 0.01  | 0.02  | 0.04  | 0.05  | 0.07  | 0.08     | 0.09   | 0.07  | 0.06 | 0.04 | 0.02 | 0.01 | 0.00 | 0.00 | 0.00 | 0.57 | 0.00 |
| 40           | 0.00                      | 0.00  | 0.01  | 0.02  | 0.05  | 0.09  | 0.15  | 0.20  | 0.24     | 0.24   | 0.20  | 0.15 | 0.09 | 0.05 | 0.02 | 0.01 | 0.00 | 0.00 | 1.53 | 0.00 |
| 32           | 0.00                      | 0.00  | 0.01  | 0.04  | 0.10  | 0.20  | 0.34  | 0.49  | 0.59     | 0.59   | 0.49  | 0.34 | 0.20 | 0.10 | 0.04 | 0.02 | 0.00 | 0.00 | 3.56 | 2.02 |
| 24           | 0.00                      | 0.01  | 0.02  | 0.07  | 0.18  | 0.38  | 0.67  | 0.98  | 1.20     | 1.19   | 0.97  | 0.66 | 0.38 | 0.18 | 0.07 | 0.03 | 0.01 | 0.00 | 7.01 | 6.08 |
|              | 0.00                      | 0.01  | 0.03  | 0.11  | 0.29  | 0.62  | 1.11  | 1.69  | 2.14     | 2.13   | 1.67  | 1.09 | 0.61 | 0.29 | 0.11 | 0.04 | 0.01 | 0.00 | 11.9 | 11.2 |
| (DEG)        | 0.00                      | 0.01  | 0.04  | 0.14  | 0.39  | 0.85  | 1.58  | 2.52  | 3.25     | 3.24   | 2.48  | 1.54 | 0.82 | 0.38 | 0.15 | 0.05 | 0.01 | 0.00 | 17.4 | 16.8 |
|              | 0.00                      | 0.01  | 0.05  | 0.17  | 0.45  | 0.99  | 1.89  | 3.07  | 3.99     | 3.96   | 3.00  | 1.83 | 0.95 | 0.44 | 0.17 | 0.05 | 0.01 | 0.00 | 21.0 | 20.4 |
| ICZ          | 0.00                      | 0.01  | 0.05  | 0.16  | 0.44  | 0.97  | 1.84  | 2.98  | 3.84     | 3.82   | 2.91  | 1.78 | 0.93 | 0.43 | 0.16 | 0.05 | 0.01 | 0.00 | 20.4 | 19.8 |
| VERTICAL     | 0.00                      | 0.01  | 0.04  | 0.14  | 0.38  | 0.80  | 1.47  | 2.30  | 2.89     | 2.88   | 2.26  | 1.43 | 0.78 | 0.37 | 0.14 | 0.05 | 0.01 | 0.00 | 16.0 | 15.3 |
| <del> </del> | 0.00                      | 0.01  | 0.03  | 0.11  | 0.28  | 0.57  | 1.00  | 1.47  | 1.79     | 1.78   | 1.45  | 0.97 | 0.56 | 0.27 | 0.11 | 0.04 | 0.01 | 0.00 | 10.4 | 9.68 |
| -32          | 0.00                      | 0.01  | 0.02  | 0.07  | 0.17  | 0.35  | 0.59  | 0.83  | 0.97     | 0.97   | 0.82  | 0.58 | 0.35 | 0.17 | 0.07 | 0.03 | 0.01 | 0.00 | 6.02 | 5.03 |
| -40          | 0.00                      | 0.00  | 0.01  | 0.04  | 0.09  | 0.19  | 0.31  | 0.42  | 0.49     | 0.49   | 0.42  | 0.31 | 0.19 | 0.10 | 0.04 | 0.02 | 0.00 | 0.00 | 3.12 | 1.28 |
| -48          | 0.00                      | 0.00  | 0.01  | 0.02  | 0.05  | 0.08  | 0.13  | 0.18  | 0.21     | 0.21   | 0.18  | 0.13 | 0.09 | 0.05 | 0.02 | 0.01 | 0.00 | 0.00 | 1.38 | 0.00 |
| -56          | 0.00                      | 0.00  | 0.00  | 0.01  | 0.02  | 0.03  | 0.05  | 0.07  | 0.08     | 0.08   | 0.07  | 0.05 | 0.03 | 0.02 | 0.01 | 0.00 | 0.00 | 0.00 | 0.53 | 0.00 |
| -64          | 0.00                      | 0.00  | 0.00  | 0.00  | 0.01  | 0.01  | 0.02  | 0.02  | 0.02     | 0.02   | 0.02  | 0.02 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.17 | 0.00 |
| -72          | 0.00                      | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00     | 0.00   | 0.00  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 |
|              | 72 -                      | 54 -5 | 56 -4 | 18 -4 | 10 -3 | 32 -2 | 24 -1 | L6 но | RIZON'   | ral (D | EG) 1 | 6 2  | 4 3  | 2 4  | 0 4  | 8 5  | 6 6  | 4 7  | 2    |      |
| φt           | 0.01                      | 0.09  | 0.35  | 1.12  | 2.91  | 6.19  | 11.2  | 17.3  | 21.8     | 21.7   | 17.0  | 11.0 | 6.03 | 2.88 | 1.14 | 0.37 | 0.10 | 0.01 | 121  |      |
| Фа           | 0.00                      | 0.00  | 0.00  | 0.00  | 1.42  | 5.15  | 10.3  | 16.5  | 21.0     | 20.8   | 16.2  | 10.0 | 4.98 | 1.35 | 0.00 | 0.00 | 0.00 | 0.00 |      | 108  |

one-half-peak spread: U:18.7,D:19.8 , L:19.5,R:18.9 NEMA Beam Type: Type 5

H( $\beta$ ) Range:-90 - 90DEG H( $\beta$ ) Interval: 0.5DEG Test Speed: HIGH

Temperature:25.3DEG Operators:ADMIN Test Date:2023-05-26 V(B) Range:-180 - 180DEG

V(B) Interval: 0.5DEG

Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.352

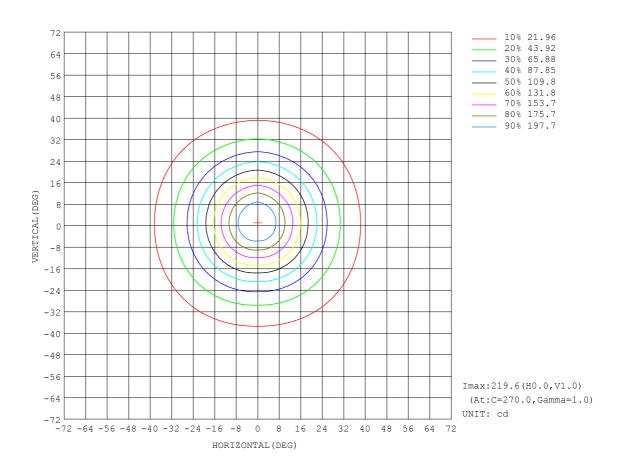
Humidity:65.0%

Test Distance:13.563m [K=1.0000]



## ISOCANDELA DIAGRAM

| Test:U:12.15V I:0.2715A P:2.002W PF:0.6069 Freq:59.97Hz Lamp Flux:122.348x1 lm |                         |                  |  |  |  |  |  |  |  |  |  |
|--|-------------------------|------------------|--|--|--|--|--|--|--|--|--|
| NAME: LED LANDSCAPE LIGHT  | TYPE:Nano CW 2.5W 4110K | WEIGHT:          |  |  |  |  |  |  |  |  |  |
| SPEC.:30°LENS  | DIM.:                   | SERIAL No.:1     |  |  |  |  |  |  |  |  |  |
| MFR.: EVERFINE   | SUR.:                   | Shielding Angle: |  |  |  |  |  |  |  |  |  |



H( $\beta$ ) Range:-90 - 90DEG H( $\beta$ ) Interval: 0.5DEG Test Speed: HIGH

Temperature: 25.3DEG Operators: ADMIN Test Date: 2023-05-26 V(B) Range:-180 - 180DEG

V(B) Interval: 0.5DEG

Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.352

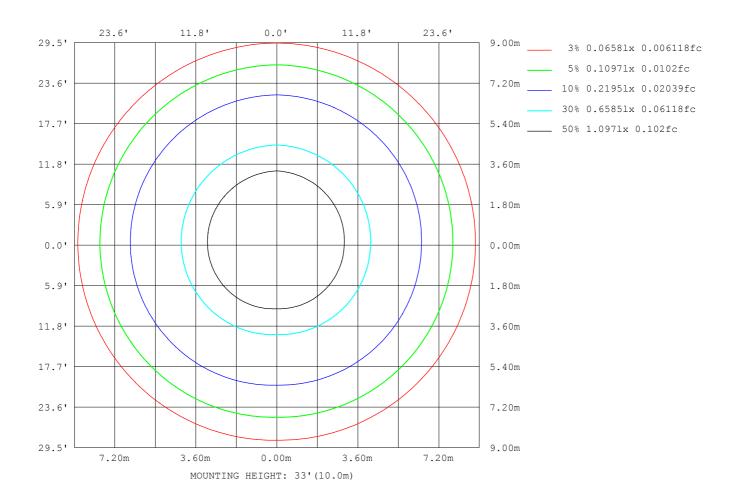
Humidity:65.0%

Test Distance:13.563m [K=1.0000]



## ISOLUX DIAGRAM

| Test:U:12.15V I:0.2715A P:2.002W PF:0.6069 Freq:59.97Hz Lamp Flux:122.348x1 lm |                         |                  |  |  |  |  |  |  |  |  |  |
|--|-------------------------|------------------|--|--|--|--|--|--|--|--|--|
| NAME: LED LANDSCAPE LIGHT  | TYPE:Nano CW 2.5W 4110K | WEIGHT:          |  |  |  |  |  |  |  |  |  |
| SPEC.:30°LENS  | DIM.:                   | SERIAL No.:1     |  |  |  |  |  |  |  |  |  |
| MFR.: EVERFINE   | SUR.:                   | Shielding Angle: |  |  |  |  |  |  |  |  |  |



H(β) Range:-90 - 90DEG H(β) Interval: 0.5DEG Test Speed: HIGH Temperature:25.3DEG

Operators:ADMIN
Test Date:2023-05-26

V(B) Range:-180 - 180DEG

V(B) Interval: 0.5DEG

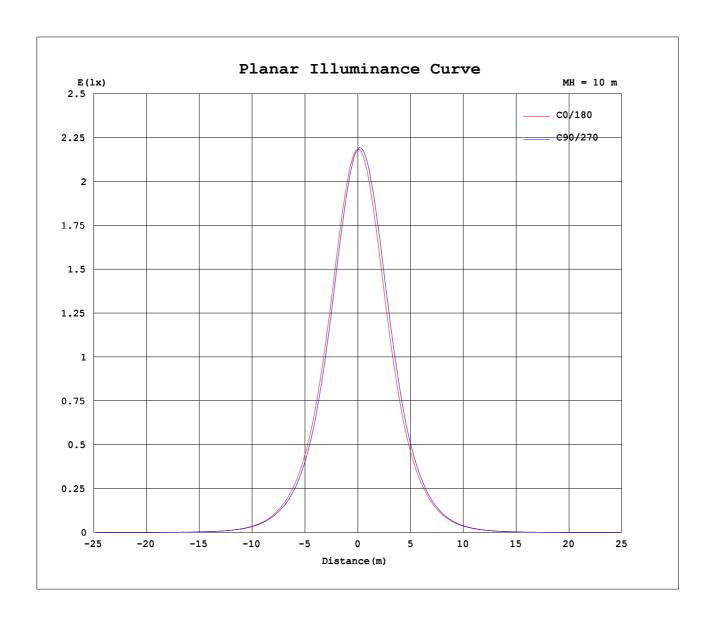
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.352

Humidity:65.0%

Test Distance:13.563m [K=1.0000]



## Planar Illuminance Curve



Temperature: 25.3DEG Operators:ADMIN Test Date:2023-05-26 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.352

Humidity:65.0%

Test Distance:13.563m [K=1.0000]

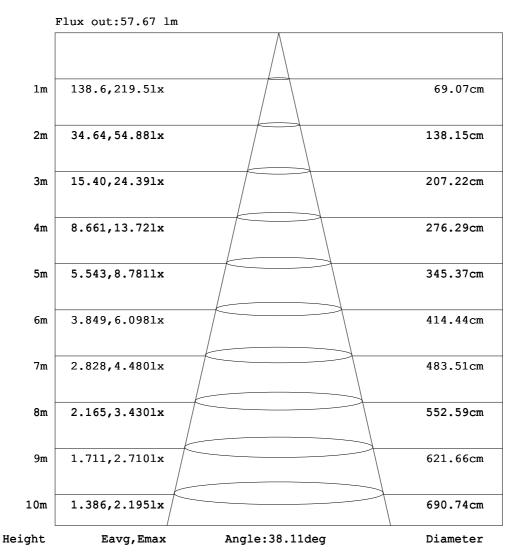
H( $\beta$ ) Range:-90 - 90DEG H( $\beta$ ) Interval: 0.5DEG Test Speed: HIGH

V(B) Interval: 0.5DEG



# AAI Figure

| Test:U:12.15V I:0.2715A P:2.002W PF:0.6069 Freq:59.97Hz Lamp Flux:122.348x1 lm |                         |                  |  |  |  |  |  |  |  |  |  |
|--|-------------------------|------------------|--|--|--|--|--|--|--|--|--|
| NAME: LED LANDSCAPE LIGHT  | TYPE:Nano CW 2.5W 4110K | WEIGHT:          |  |  |  |  |  |  |  |  |  |
| SPEC.:30°LENS  | DIM.:                   | SERIAL No.:1     |  |  |  |  |  |  |  |  |  |
| MFR.: EVERFINE   | SUR.:                   | Shielding Angle: |  |  |  |  |  |  |  |  |  |



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

Temperature:25.3DEG Operators:ADMIN Test Date:2023-05-26 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]

H( $\beta$ ) Range:-90 - 90DEG H( $\beta$ ) Interval: 0.5DEG Test Speed: HIGH



# LUMINOUS DISTRIBUTION INTENSITY DATA

| Test:U:12.15V I:0.2715A P:2.002W PF:0.6069 Freq:59.97Hz Lamp Flux:122.348x1 lm |                         |                  |  |  |  |  |  |  |  |  |  |
|--|-------------------------|------------------|--|--|--|--|--|--|--|--|--|
| NAME: LED LANDSCAPE LIGHT  | TYPE:Nano CW 2.5W 4110K | WEIGHT:          |  |  |  |  |  |  |  |  |  |
| SPEC.:30°LENS  | DIM.:                   | SERIAL No.:1     |  |  |  |  |  |  |  |  |  |
| MFR.: EVERFINE   | SUR.:                   | Shielding Angle: |  |  |  |  |  |  |  |  |  |

| Table1  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | UNI  | T: cd |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|
| H (DEG) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |
| 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 | 0.10 | 0.25 | 0.43 | 0.64 | 0.82 | 1.00 | 1.13  | 1.23 | 1.29 |
| -170    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.10 | 0.26 | 0.43 | 0.63 | 0.83 | 0.99 | 1.13  | 1.21 | 1.27 |
| -160    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.05 | 0.18 | 0.34 | 0.50 | 0.67 | 0.82 | 0.95  | 1.05 | 1.12 |
| -150    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.07 | 0.17 | 0.29 | 0.41 | 0.54 | 0.63  | 0.71 | 0.76 |
| -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 | 0.04 | 0.09 | 0.14 | 0.21 | 0.28  | 0.32 | 0.35 |
| -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 | 0.02  | 0.02 | 0.02 |
| -120    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00 | 0.00 |
| -110    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00 | 0.00 |
| -100    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00 | 0.00 |
| -90     | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00 | 0.00 |
| -80     | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00 | 0.00 |
| -70     | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00 | 0.00 |
| -60     | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 0.21 | 0.37 | 0.54 | 0.74 | 0.86 | 1.02 | 1.12  | 1.18 | 1.20 |
| -50     | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.14 | 0.39 | 0.75 | 1.10 | 1.57 | 2.16 | 2.79 | 3.45 | 4.09 | 4.60  | 4.93 | 5.03 |
| -40     | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.20 | 0.58 | 1.10 | 1.83 | 2.90 | 4.38 | 6.31 | 8.63 | 11.1 | 13.5 | 15.4  | 16.6 | 16.9 |
| -30     | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.14 | 0.53 | 1.14 | 2.13 | 3.76 | 6.36 | 10.2 | 15.3 | 21.2 | 27.6 | 33.6 | 38.5  | 41.7 | 42.4 |
| -20     | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.28 | 0.83 | 1.77 | 3.45 | 6.46 | 11.4 | 18.7 | 28.5 | 40.3 | 53.9 | 68.6 | 81.9  | 91.1 | 93.2 |
| -10     | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.39 | 1.09 | 2.32 | 4.67 | 9.11 | 16.4 | 27.2 | 42.0 | 61.4 | 86.3 | 115  | 143   | 163  | 168  |
| 0       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.44 | 1.16 | 2.54 | 5.16 | 10.2 | 18.5 | 31.1 | 48.8 | 72.8 | 105  | 142  | 180   | 209  | 218  |
| 10      | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.40 | 1.10 | 2.33 | 4.72 | 9.24 | 16.7 | 28.0 | 43.8 | 64.6 | 91.8 | 123  | 155   | 179  | 190  |
| 20      | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.28 | 0.84 | 1.79 | 3.51 | 6.63 | 11.8 | 19.7 | 30.4 | 44.2 | 60.2 | 78.0 | 95.5  | 109  | 115  |
| 30      | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.54 | 1.16 | 2.17 | 3.88 | 6.63 | 10.8 | 16.4 | 23.3 | 31.1 | 39.0 | 46.2  | 51.3 | 53.5 |
| 40      | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.22 | 0.60 | 1.13 | 1.87 | 3.02 | 4.61 | 6.73 | 9.33 | 12.2 | 15.1 | 17.6  | 19.3 | 20.0 |
| 50      | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.17 | 0.41 | 0.77 | 1.15 | 1.64 | 2.24 | 2.96 | 3.70 | 4.43 | 5.05  | 5.48 | 5.65 |
| 60      | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.13 | 0.25 | 0.41 | 0.59 | 0.78 | 0.93 | 1.08 | 1.20  | 1.27 | 1.30 |
| 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 | 0.02 | 0.05 | 0.08  | 0.10 | 0.11 |
| 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 | 0.01 | 0.01  | 0.01 | 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 | 0.03 | 0.12 | 0.18 | 0.26 | 0.31  | 0.33 | 0.33 |
| 160     | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.20 | 0.34 | 0.48 | 0.61 | 0.67  | 0.76 | 0.76 |
| 170     | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.20 | 0.36 | 0.54 | 0.71 | 0.86 | 0.99  | 1.09 | 1.08 |
| 180     | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.25 | 0.43 | 0.64 | 0.82 | 1.00 | 1.13  | 1.23 | 1.28 |

H(β) Range:-90 - 90DEG H(β) Interval: 0.5DEG Test Speed: HIGH Temperature:25.3DEG

Operators:ADMIN
Test Date:2023-05-26

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]



# LUMINOUS DISTRIBUTION INTENSITY DATA

| Test:U:12.15V I:0.2715A P:2.002W PF:0.6069 Freq:59.97Hz Lamp Flux:122.348x1 lm |                         |                  |  |  |  |  |  |  |  |  |  |
|--|-------------------------|------------------|--|--|--|--|--|--|--|--|--|
| NAME: LED LANDSCAPE LIGHT  | TYPE:Nano CW 2.5W 4110K | WEIGHT:          |  |  |  |  |  |  |  |  |  |
| SPEC.:30°LENS  | DIM.:                   | SERIAL No.:1     |  |  |  |  |  |  |  |  |  |
| MFR.: EVERFINE   | SUR.:                   | Shielding Angle: |  |  |  |  |  |  |  |  |  |

| Table2  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | UNI  | T: cd |      |  |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|--|
| H (DEG) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |  |
| V (DEG) | 5    | 10   | 15   | 20   | 25   | 30   | 35   | 40   | 45   | 50   | 55   | 60   | 65   | 70   | 75   | 80   | 85    | 90   |  |
| -180    | 1.24 | 1.21 | 1.14 | 1.07 | 0.87 | 0.66 | 0.45 | 0.30 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00 |  |
| -170    | 1.24 | 1.20 | 1.11 | 0.97 | 0.80 | 0.62 | 0.46 | 0.26 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00 |  |
| -160    | 1.09 | 1.01 | 0.92 | 0.80 | 0.64 | 0.48 | 0.32 | 0.16 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00 |  |
| -150    | 0.73 | 0.68 | 0.62 | 0.50 | 0.38 | 0.26 | 0.15 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00 |  |
| -140    | 0.34 | 0.31 | 0.24 | 0.19 | 0.13 | 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 |  |
| -130    | 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 | 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     | 0.01 | 0.01 | 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  | 0.00 |  |
| -60     | 1.19 | 1.13 | 1.04 | 0.90 | 0.77 | 0.58 | 0.43 | 0.26 | 0.13 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00 |  |
| -50     | 4.94 | 4.63 | 4.13 | 3.51 | 2.85 | 2.24 | 1.64 | 1.17 | 0.80 | 0.47 | 0.21 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00 |  |
| -40     | 16.6 | 15.4 | 13.5 | 11.1 | 8.64 | 6.38 | 4.48 | 3.01 | 1.95 | 1.19 | 0.67 | 0.29 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00 |  |
| -30     | 41.5 | 38.1 | 33.1 | 27.3 | 21.0 | 15.2 | 10.2 | 6.46 | 3.90 | 2.28 | 1.25 | 0.63 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00 |  |
| -20     | 90.5 | 80.8 | 67.4 | 52.7 | 39.1 | 27.9 | 18.6 | 11.4 | 6.58 | 3.62 | 1.91 | 0.97 | 0.39 | 0.03 | 0.00 | 0.00 | 0.00  | 0.00 |  |
| -10     | 162  | 141  | 112  | 83.8 | 59.5 | 40.4 | 26.6 | 16.2 | 9.13 | 4.84 | 2.48 | 1.21 | 0.52 | 0.09 | 0.00 | 0.00 | 0.00  | 0.00 |  |
| 0       | 206  | 176  | 138  | 101  | 70.0 | 46.5 | 30.2 | 18.3 | 10.3 | 5.37 | 2.70 | 1.30 | 0.57 | 0.12 | 0.00 | 0.00 | 0.00  | 0.00 |  |
| 10      | 178  | 153  | 121  | 89.4 | 62.7 | 42.2 | 27.4 | 16.6 | 9.26 | 4.88 | 2.49 | 1.22 | 0.52 | 0.09 | 0.00 | 0.00 | 0.00  | 0.00 |  |
| 20      | 108  | 94.4 | 76.8 | 59.0 | 43.0 | 29.9 | 19.5 | 11.8 | 6.75 | 3.68 | 1.93 | 0.98 | 0.39 | 0.03 | 0.00 | 0.00 | 0.00  | 0.00 |  |
| 30      | 51.1 | 45.8 | 38.6 | 30.8 | 23.1 | 16.3 | 10.8 | 6.73 | 4.01 | 2.31 | 1.27 | 0.64 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00 |  |
| 40      | 19.3 | 17.6 | 15.1 | 12.2 | 9.34 | 6.80 | 4.70 | 3.12 | 1.99 | 1.22 | 0.69 | 0.31 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00 |  |
| 50      | 5.49 | 5.07 | 4.47 | 3.75 | 3.02 | 2.32 | 1.71 | 1.22 | 0.82 | 0.50 | 0.23 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00 |  |
| 60      | 1.28 | 1.21 | 1.10 | 0.97 | 0.81 | 0.64 | 0.47 | 0.30 | 0.17 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00 |  |
| 70      | 0.11 | 0.09 | 0.06 | 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 |  |
| 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     | 0.02 | 0.04 | 0.04 | 0.05 | 0.05 | 0.00 | 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     | 0.35 | 0.36 | 0.34 | 0.27 | 0.20 | 0.12 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00 |  |
| 160     | 0.80 | 0.73 | 0.70 | 0.61 | 0.48 | 0.35 | 0.21 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00 |  |
| 170     | 1.11 | 1.06 | 0.98 | 0.86 | 0.71 | 0.55 | 0.40 | 0.21 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00 |  |
| 180     | 1.24 | 1.21 | 1.14 | 1.07 | 0.87 | 0.66 | 0.45 | 0.30 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00 |  |

H(β) Range:-90 - 90DEG H(β) Interval: 0.5DEG Test Speed: HIGH Temperature:25.3DEG

Operators:ADMIN
Test Date:2023-05-26

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]