

## Floodlight Summary:

Report based on lamp delivering 1000 lumens.

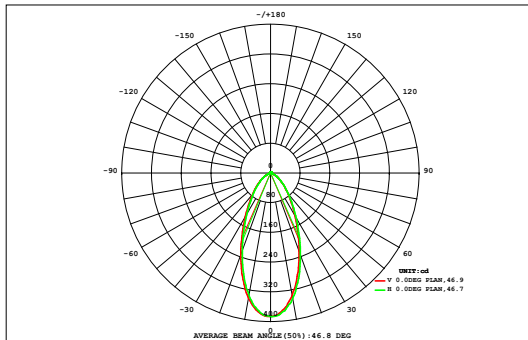
|                                          |                |                        |
|------------------------------------------|----------------|------------------------|
| Maximum Intensity                        |                | 1126.3 cd per klm.     |
| (Luminaire orientation as tested.)       |                | 0.0 degrees vertical   |
|                                          |                | 0.0 degrees horizontal |
| Beam Spread                              | At 10% of Imax | 100.8V x 101.3H        |
|                                          | At 50% of Imax | 46.7V x 46.9H          |
|                                          | At 90% of Imax | 18.0V x 17.8H          |
| Beam Flux                                | Total          | 1000.2 lumens per klm. |
|                                          | To 10% of Imax | 881.5 lumens per klm.  |
|                                          | To 50% of Imax | 419.5 lumens per klm.  |
|                                          | To 90% of Imax | 78.5 lumens per klm.   |
|                                          | Upward LOR     | 1.1 %                  |
|                                          | Downward LOR   | 98.9 %                 |
| 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:2025-07-22

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:0.6926A P:5.341W PF:0.6415 Freq:59.98Hz Lamp Flux:343.394x1 lm |                                      |                  |
| NAME: LED LANDSCAPE LIGHT                                                      | TYPE:Copper Underwater Light WEIGHT: |                  |
| SPEC.:5.5W 2700K Matted Glass                                                  | DIM.:                                | SERIAL No.:1     |
| MFR.: EVERFINE                                                                 | SUR.:                                | Shielding Angle: |



| DATA OF LAMP     |                 | Eff:64.30lm/W   |          |
|------------------|-----------------|-----------------|----------|
| MODEL            | M4B5-5.5W-27K-R | Imax(cd)        | 386.8    |
| NOMINAL POWER(W) | 5.5             | AVAILABILITY(%) | 88.2     |
| RATED VOLTAGE(V) | 12              | Avai. FLUX(lm)  | 302.8    |
| NOMINAL FLUX(lm) | 343.394         | LOR(%)          | 100.0    |
| LAMPS INSIDE     | 1               | TOTAL FLUX(lm)  | 343.4    |
| TEST VOLTAGE(V)  | 12              | θ @50%(H,V)     | 47,47DEG |

| VERTICAL (DEG)                                                           | AREA FLUX DIAGRAM |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | UNIT:lm |      | Φ t  | Φ a  |
|--------------------------------------------------------------------------|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---------|------|------|------|
|                                                                          | 0.00              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00 | 0.00 |
| 90                                                                       | 0.00              | 0.00 | 0.00 | 0.00 | 0.01 | 0.02 | 0.04 | 0.05 | 0.06 | 0.06 | 0.05 | 0.03 | 0.02 | 0.01 | 0.00 | 0.00 | 0.00    | 0.00 | 0.34 | 0.00 |
| 80                                                                       | 0.00              | 0.00 | 0.00 | 0.02 | 0.07 | 0.14 | 0.23 | 0.30 | 0.34 | 0.34 | 0.30 | 0.22 | 0.14 | 0.07 | 0.02 | 0.00 | 0.00    | 0.00 | 2.21 | 0.00 |
| 70                                                                       | 0.00              | 0.00 | 0.02 | 0.08 | 0.22 | 0.40 | 0.61 | 0.78 | 0.88 | 0.88 | 0.77 | 0.60 | 0.39 | 0.21 | 0.08 | 0.02 | 0.00    | 0.00 | 5.93 | 0.19 |
| 60                                                                       | 0.00              | 0.00 | 0.04 | 0.18 | 0.42 | 0.75 | 1.13 | 1.49 | 1.71 | 1.70 | 1.48 | 1.12 | 0.74 | 0.41 | 0.17 | 0.04 | 0.00    | 0.00 | 11.4 | 7.83 |
| 50                                                                       | 0.00              | 0.01 | 0.08 | 0.29 | 0.65 | 1.19 | 1.88 | 2.59 | 3.09 | 3.08 | 2.57 | 1.85 | 1.17 | 0.64 | 0.27 | 0.07 | 0.01    | 0.00 | 19.4 | 17.3 |
| 40                                                                       | 0.00              | 0.01 | 0.11 | 0.39 | 0.89 | 1.70 | 2.89 | 4.32 | 5.39 | 5.37 | 4.26 | 2.84 | 1.67 | 0.87 | 0.37 | 0.10 | 0.01    | 0.00 | 31.2 | 29.6 |
| 30                                                                       | 0.00              | 0.02 | 0.14 | 0.47 | 1.09 | 2.20 | 4.05 | 6.52 | 8.49 | 8.44 | 6.41 | 3.95 | 2.15 | 1.07 | 0.45 | 0.13 | 0.01    | 0.00 | 45.6 | 44.2 |
| 20                                                                       | 0.00              | 0.02 | 0.15 | 0.51 | 1.21 | 2.53 | 4.89 | 8.21 | 10.8 | 10.8 | 8.02 | 4.74 | 2.46 | 1.18 | 0.50 | 0.14 | 0.02    | 0.00 | 56.2 | 54.9 |
| 10                                                                       | 0.00              | 0.02 | 0.15 | 0.51 | 1.21 | 2.52 | 4.85 | 8.15 | 10.7 | 10.7 | 7.95 | 4.70 | 2.45 | 1.18 | 0.50 | 0.14 | 0.02    | 0.00 | 55.7 | 54.5 |
| 0                                                                        | 0.00              | 0.02 | 0.14 | 0.47 | 1.08 | 2.17 | 3.95 | 6.35 | 8.21 | 8.16 | 6.23 | 3.86 | 2.12 | 1.05 | 0.45 | 0.13 | 0.01    | 0.00 | 44.4 | 43.0 |
| -10                                                                      | 0.00              | 0.01 | 0.11 | 0.38 | 0.87 | 1.66 | 2.79 | 4.12 | 5.09 | 5.06 | 4.07 | 2.74 | 1.63 | 0.85 | 0.37 | 0.10 | 0.01    | 0.00 | 29.9 | 28.2 |
| -20                                                                      | 0.00              | 0.01 | 0.08 | 0.28 | 0.64 | 1.15 | 1.80 | 2.46 | 2.89 | 2.88 | 2.44 | 1.78 | 1.13 | 0.62 | 0.27 | 0.07 | 0.01    | 0.00 | 18.5 | 16.3 |
| -30                                                                      | 0.00              | 0.00 | 0.04 | 0.17 | 0.41 | 0.72 | 1.08 | 1.40 | 1.59 | 1.59 | 1.39 | 1.07 | 0.71 | 0.40 | 0.16 | 0.04 | 0.00    | 0.00 | 10.8 | 6.84 |
| -40                                                                      | 0.00              | 0.00 | 0.02 | 0.08 | 0.21 | 0.39 | 0.57 | 0.73 | 0.82 | 0.82 | 0.72 | 0.56 | 0.37 | 0.20 | 0.07 | 0.02 | 0.00    | 0.00 | 5.58 | 0.00 |
| -50                                                                      | 0.00              | 0.00 | 0.00 | 0.02 | 0.07 | 0.14 | 0.22 | 0.28 | 0.32 | 0.32 | 0.28 | 0.21 | 0.13 | 0.06 | 0.02 | 0.00 | 0.00    | 0.00 | 2.07 | 0.00 |
| -60                                                                      | 0.00              | 0.00 | 0.00 | 0.00 | 0.01 | 0.02 | 0.03 | 0.05 | 0.05 | 0.05 | 0.04 | 0.03 | 0.02 | 0.01 | 0.00 | 0.00 | 0.00    | 0.00 | 0.31 | 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              | 0.11 | 1.09 | 3.87 | 9.05 | 17.7 | 31.0 | 47.8 | 60.5 | 60.2 | 47.0 | 30.3 | 17.3 | 8.82 | 3.71 | 1.00 | 0.10    | 0.00 | 340  | ---  |
| Φ a                                                                      | 0.00              | 0.00 | 0.00 | 0.10 | 5.73 | 14.9 | 28.5 | 45.3 | 58.1 | 57.8 | 44.6 | 27.8 | 14.6 | 5.44 | 0.00 | 0.00 | 0.00    | 0.00 | ---  | 303  |

one-half-peak spread: U:20.9,D:23.6 , L:23.0,R:22.3

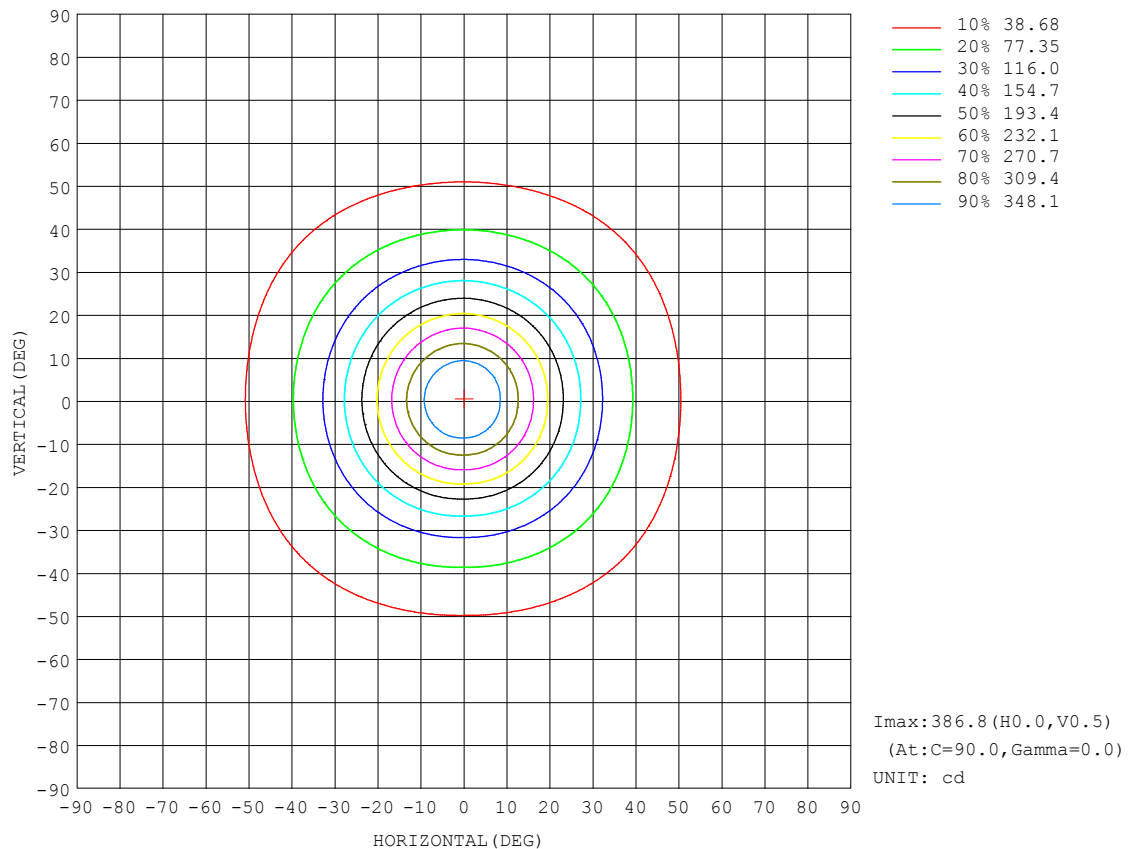
NEMA Beam Type: Type 6

H(β) Range:-90 - 90DEG  
H(β) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ADMIN  
Test Date:2025-07-22

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:0.6926A P:5.341W PF:0.6415 Freq:59.98Hz Lamp Flux:343.394x1 lm |                                      |                  |
| NAME: LED LANDSCAPE LIGHT                                                      | TYPE:Copper Underwater Light WEIGHT: |                  |
| SPEC.:5.5W 2700K Matted Glass                                                  | DIM.:                                | SERIAL No.:1     |
| MFR.: EVERFINE                                                                 | SUR.:                                | Shielding Angle: |

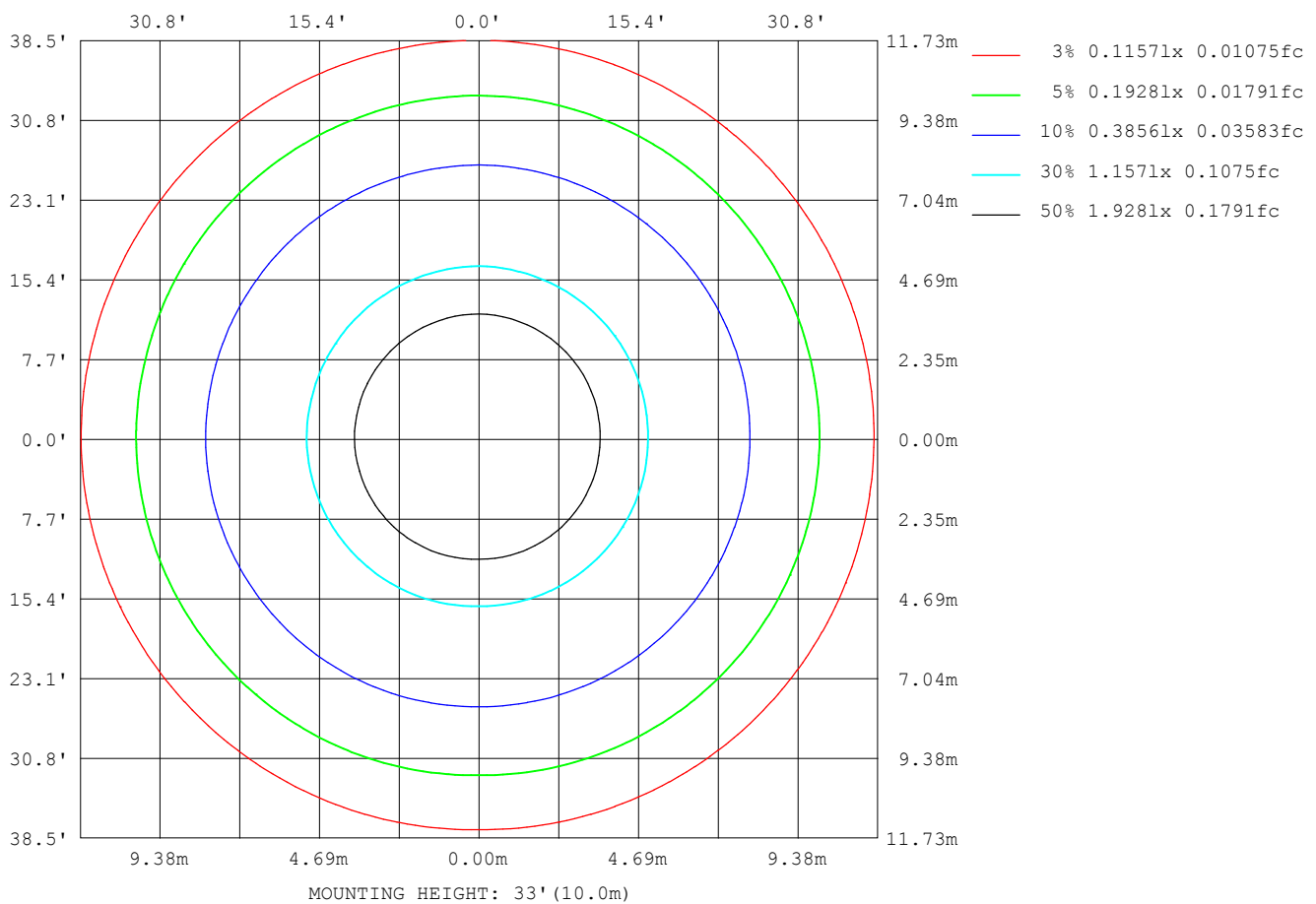


H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ADMIN  
Test Date:2025-07-22

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

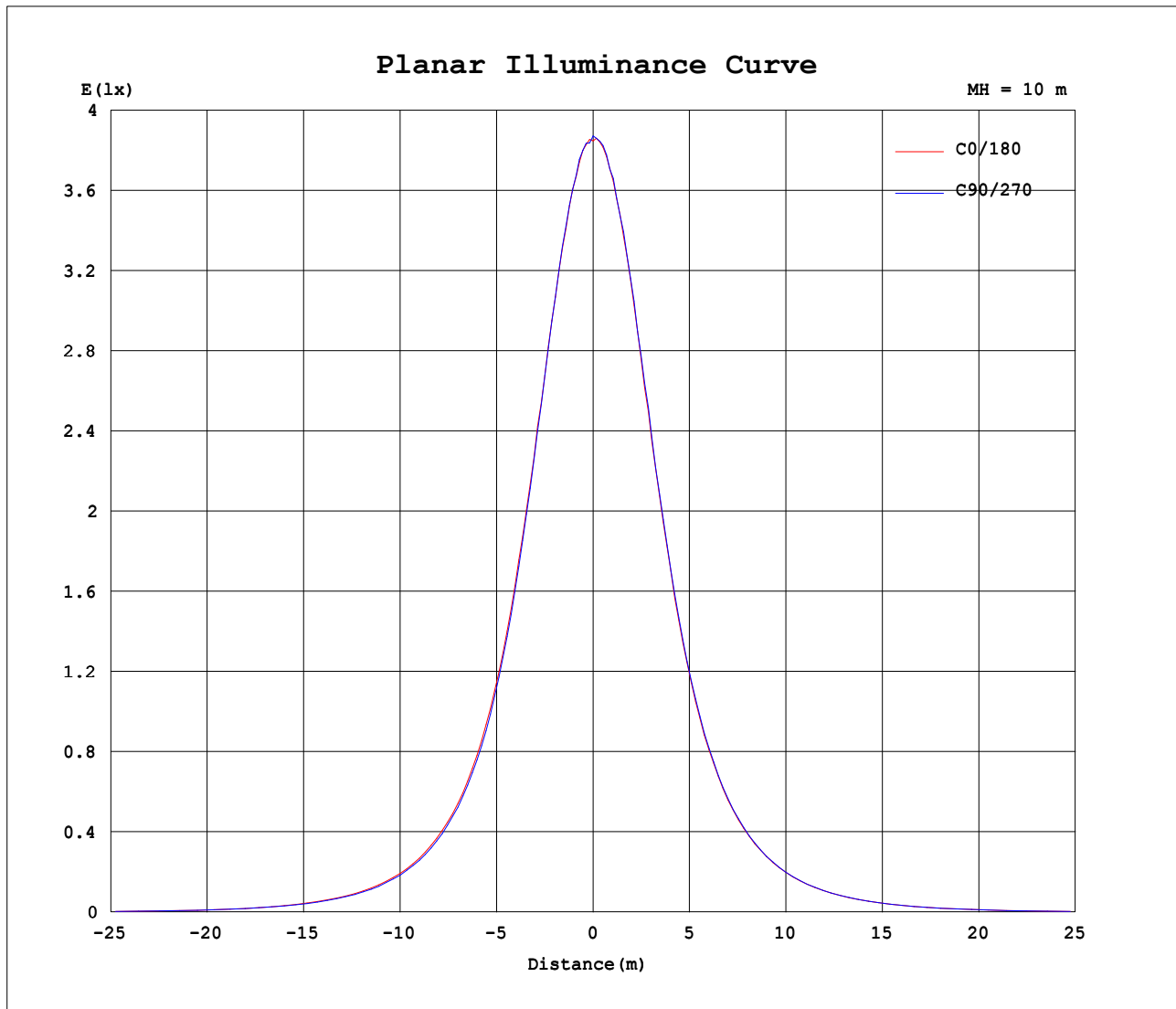
|                                                                                |                                      |                  |
|--------------------------------------------------------------------------------|--------------------------------------|------------------|
| Test:U:12.02V I:0.6926A P:5.341W PF:0.6415 Freq:59.98Hz Lamp Flux:343.394x1 lm |                                      |                  |
| NAME: LED LANDSCAPE LIGHT                                                      | TYPE:Copper Underwater Light WEIGHT: |                  |
| SPEC.:5.5W 2700K Matted Glass                                                  | 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:2025-07-22

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

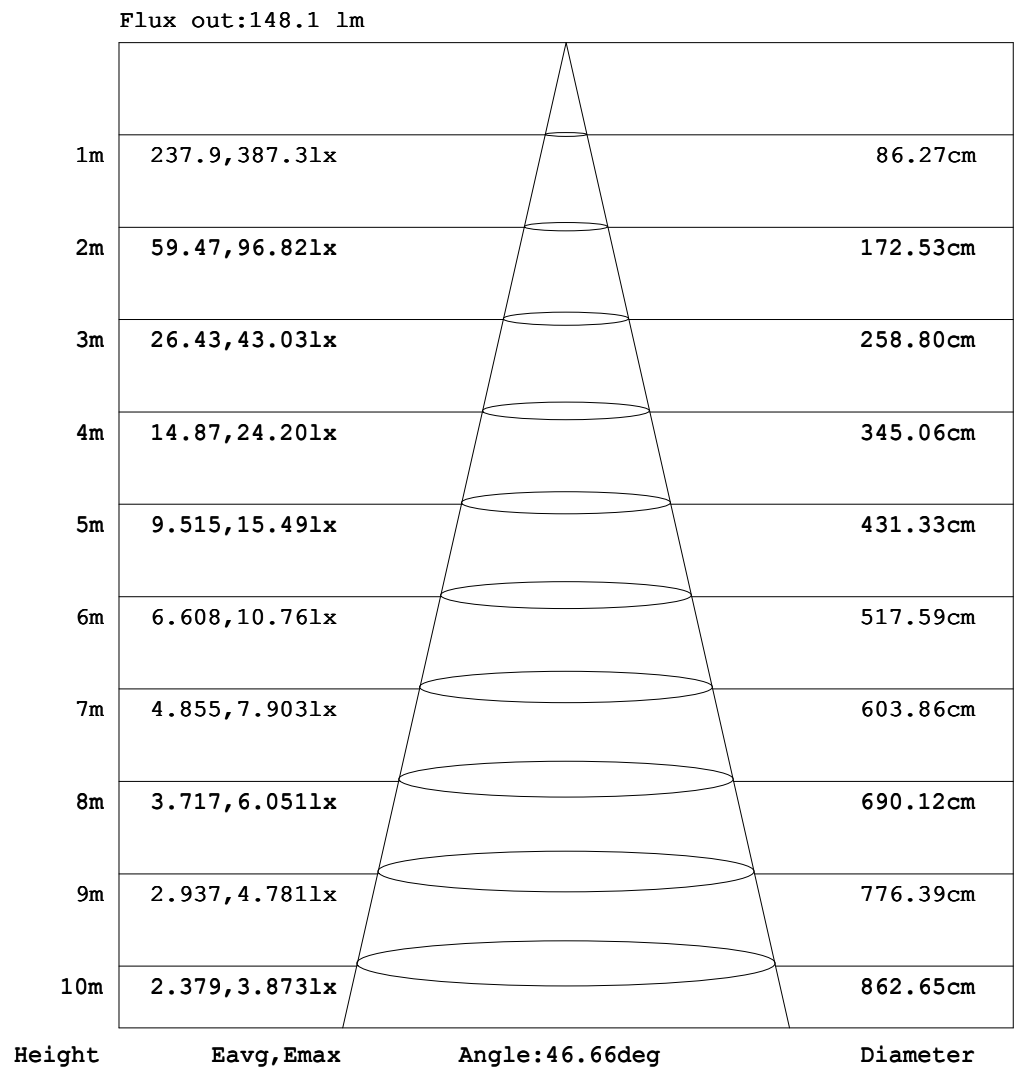


H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ADMIN  
Test Date:2025-07-22

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:0.6926A P:5.341W PF:0.6415 Freq:59.98Hz Lamp Flux:343.394x1 lm |                                      |                  |
| NAME: LED LANDSCAPE LIGHT                                                      | TYPE:Copper Underwater Light WEIGHT: |                  |
| SPEC.:5.5W 2700K Matted Glass                                                  | 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.

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ADMIN  
Test Date:2025-07-22

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:0.6926A P:5.341W PF:0.6415 Freq:59.98Hz Lamp Flux:343.394x1 lm |                                      |                  |
| NAME: LED LANDSCAPE LIGHT                                                      | TYPE:Copper Underwater Light WEIGHT: |                  |
| SPEC.:5.5W 2700K Matted Glass                                                  | DIM.:                                | SERIAL No.:1     |
| MFR.: EVERFINE                                                                 | SUR.:                                | Shielding Angle: |

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 | 0.09 | 0.21 | 0.38 | 0.61 | 0.86 | 1.19 | 1.54 | 1.91 | 2.27 | 2.58 | 2.85 | 3.07 | 3.19 |
| -170               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.09 | 0.22 | 0.39 | 0.61 | 0.87 | 1.18 | 1.53 | 1.90 | 2.25 | 2.56 | 2.81 | 2.99 | 3.09 |
| -160               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.06 | 0.19 | 0.35 | 0.53 | 0.77 | 1.03 | 1.33 | 1.64 | 1.95 | 2.22 | 2.45 | 2.62 | 2.73 |
| -150               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.03 | 0.13 | 0.25 | 0.40 | 0.57 | 0.78 | 1.00 | 1.24 | 1.46 | 1.67 | 1.86 | 1.99 | 2.08 |
| -140               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.05 | 0.14 | 0.25 | 0.36 | 0.50 | 0.64 | 0.79 | 0.95 | 1.08 | 1.20 | 1.29 | 1.35 |
| -130               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.05 | 0.10 | 0.18 | 0.25 | 0.34 | 0.42 | 0.51 | 0.58 | 0.64 | 0.69 | 0.72 |
| -120               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.04 | 0.07 | 0.11 | 0.14 | 0.19 | 0.23 | 0.26 | 0.29 | 0.31 |
| -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 | 0.01 | 0.01 | 0.02 | 0.03 | 0.03 |
| -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 | 0.02 | 0.04 | 0.05 | 0.05 | 0.05 |
| -70                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.32 | 0.70 | 1.16 | 1.71 | 2.27 | 2.85 | 3.39 | 3.87 | 4.28 | 4.57 | 4.73 | 4.76 |
| -60                | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.57 | 1.42 | 2.58 | 4.03 | 5.77 | 7.71 | 9.71 | 11.6 | 13.5 | 15.0 | 16.3 | 17.1 | 17.6 | 17.7 |
| -50                | 0.00 | 0.00 | 0.00 | 0.06 | 0.73 | 2.08 | 4.09 | 6.84 | 10.2 | 14.0 | 17.8 | 21.7 | 25.5 | 29.0 | 32.3 | 34.7 | 36.7 | 37.9 | 38.2 |
| -40                | 0.00 | 0.00 | 0.00 | 0.38 | 1.80 | 4.24 | 7.95 | 12.7 | 18.1 | 24.0 | 30.1 | 36.7 | 43.7 | 50.6 | 57.4 | 63.3 | 67.8 | 70.5 | 71.1 |
| -30                | 0.00 | 0.00 | 0.00 | 0.82 | 3.01 | 6.78 | 12.2 | 18.7 | 26.2 | 34.6 | 44.3 | 55.3 | 68.0 | 81.3 | 95.3 | 108  | 119  | 126  | 128  |
| -20                | 0.00 | 0.00 | 0.04 | 1.27 | 4.17 | 9.15 | 15.9 | 24.1 | 33.4 | 44.9 | 58.9 | 76.1 | 96.8 | 121  | 149  | 177  | 202  | 219  | 223  |
| -10                | 0.00 | 0.00 | 0.09 | 1.61 | 5.03 | 10.8 | 18.5 | 27.7 | 38.7 | 52.7 | 70.9 | 94.0 | 124  | 161  | 207  | 253  | 296  | 326  | 335  |
| 0                  | 0.00 | 0.00 | 0.11 | 1.73 | 5.34 | 11.4 | 19.4 | 29.2 | 40.9 | 56.2 | 76.0 | 102  | 136  | 180  | 234  | 290  | 342  | 375  | 385  |
| 10                 | 0.00 | 0.00 | 0.10 | 1.61 | 5.04 | 10.8 | 18.6 | 27.9 | 39.0 | 53.2 | 71.6 | 95.0 | 126  | 164  | 210  | 258  | 302  | 333  | 343  |
| 20                 | 0.00 | 0.00 | 0.05 | 1.27 | 4.19 | 9.22 | 16.1 | 24.4 | 33.8 | 45.6 | 59.9 | 77.7 | 99.1 | 125  | 154  | 183  | 211  | 229  | 236  |
| 30                 | 0.00 | 0.00 | 0.00 | 0.83 | 3.04 | 6.85 | 12.4 | 19.0 | 26.7 | 35.4 | 45.4 | 57.0 | 70.1 | 84.4 | 99.4 | 114  | 127  | 135  | 138  |
| 40                 | 0.00 | 0.00 | 0.00 | 0.39 | 1.82 | 4.29 | 8.08 | 12.9 | 18.5 | 24.7 | 31.1 | 38.1 | 45.5 | 52.8 | 60.1 | 66.7 | 71.8 | 75.4 | 76.7 |
| 50                 | 0.00 | 0.00 | 0.00 | 0.07 | 0.75 | 2.12 | 4.16 | 7.01 | 10.5 | 14.4 | 18.5 | 22.6 | 26.7 | 30.5 | 33.9 | 37.0 | 39.3 | 40.7 | 41.1 |
| 60                 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.60 | 1.46 | 2.65 | 4.14 | 5.97 | 8.02 | 10.1 | 12.2 | 14.2 | 16.0 | 17.4 | 18.4 | 19.1 | 19.3 |
| 70                 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.36 | 0.75 | 1.22 | 1.79 | 2.39 | 2.98 | 3.55 | 4.08 | 4.55 | 4.91 | 5.12 | 5.19 |
| 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 | 0.01 | 0.02 | 0.06 | 0.10 | 0.12 | 0.14 | 0.15 |
| 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 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| 130                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.04 | 0.10 | 0.15 | 0.18 | 0.23 | 0.28 | 0.29 | 0.30 | 0.31 |
| 140                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.14 | 0.21 | 0.31 | 0.42 | 0.52 | 0.62 | 0.70 | 0.76 | 0.79 | 0.79 |
| 150                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.17 | 0.29 | 0.43 | 0.60 | 0.76 | 0.93 | 1.10 | 1.25 | 1.38 | 1.45 | 1.48 |
| 160                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.15 | 0.28 | 0.44 | 0.65 | 0.86 | 1.12 | 1.40 | 1.67 | 1.88 | 2.06 | 2.16 | 2.21 |
| 170                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.19 | 0.35 | 0.56 | 0.80 | 1.09 | 1.42 | 1.76 | 2.09 | 2.38 | 2.60 | 2.75 | 2.79 |
| 180                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 0.21 | 0.38 | 0.61 | 0.86 | 1.19 | 1.54 | 1.91 | 2.27 | 2.58 | 2.85 | 3.07 | 3.19 |

H( $\beta$ ) Range:-90 - 90DEG  
 H( $\beta$ ) Interval: 0.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:ADMIN  
 Test Date:2025-07-22

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:0.6926A P:5.341W PF:0.6415 Freq:59.98Hz Lamp Flux:343.394x1 lm |                                      |                  |
| NAME: LED LANDSCAPE LIGHT                                                      | TYPE:Copper Underwater Light WEIGHT: |                  |
| SPEC.:5.5W 2700K Matted Glass                                                  | DIM.:                                | SERIAL No.:1     |
| MFR.: EVERFINE                                                                 | SUR.:                                | Shielding Angle: |

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               | 3.19 | 3.03 | 2.88 | 2.64 | 2.35 | 1.99 | 1.64 | 1.29 | 0.95 | 0.70 | 0.44 | 0.29 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| -170               | 3.06 | 2.94 | 2.78 | 2.55 | 2.27 | 1.92 | 1.56 | 1.21 | 0.90 | 0.65 | 0.43 | 0.26 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| -160               | 2.68 | 2.58 | 2.40 | 2.18 | 1.92 | 1.63 | 1.32 | 1.05 | 0.77 | 0.59 | 0.35 | 0.19 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| -150               | 2.05 | 1.96 | 1.82 | 1.64 | 1.44 | 1.22 | 0.99 | 0.77 | 0.61 | 0.41 | 0.28 | 0.15 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| -140               | 1.33 | 1.27 | 1.18 | 1.07 | 0.93 | 0.78 | 0.64 | 0.50 | 0.37 | 0.26 | 0.15 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| -130               | 0.71 | 0.68 | 0.64 | 0.59 | 0.50 | 0.43 | 0.33 | 0.27 | 0.17 | 0.13 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| -120               | 0.30 | 0.28 | 0.26 | 0.23 | 0.18 | 0.16 | 0.12 | 0.06 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| -110               | 0.03 | 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 | 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                | 0.05 | 0.04 | 0.04 | 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 | 0.00 | 0.00 |  |
| -70                | 4.69 | 4.49 | 4.17 | 3.74 | 3.24 | 2.69 | 2.12 | 1.57 | 1.05 | 0.60 | 0.27 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| -60                | 17.5 | 17.0 | 16.0 | 14.7 | 13.1 | 11.2 | 9.29 | 7.27 | 5.38 | 3.70 | 2.32 | 1.24 | 0.46 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| -50                | 37.8 | 36.5 | 34.5 | 32.1 | 28.6 | 25.0 | 21.2 | 17.2 | 13.3 | 9.60 | 6.28 | 3.68 | 1.82 | 0.59 | 0.05 | 0.00 | 0.00 | 0.00 |  |
| -40                | 70.3 | 67.5 | 62.8 | 56.9 | 50.1 | 43.1 | 36.1 | 29.6 | 23.3 | 17.3 | 11.9 | 7.25 | 3.77 | 1.54 | 0.30 | 0.00 | 0.00 | 0.00 |  |
| -30                | 126  | 118  | 107  | 94.1 | 80.3 | 66.9 | 54.5 | 43.4 | 33.8 | 25.4 | 17.9 | 11.3 | 6.10 | 2.63 | 0.66 | 0.00 | 0.00 | 0.00 |  |
| -20                | 217  | 200  | 174  | 146  | 119  | 94.8 | 74.8 | 57.8 | 43.9 | 32.7 | 23.1 | 14.9 | 8.31 | 3.66 | 1.06 | 0.03 | 0.00 | 0.00 |  |
| -10                | 323  | 292  | 248  | 201  | 157  | 120  | 91.5 | 69.3 | 51.7 | 37.8 | 26.8 | 17.5 | 9.87 | 4.39 | 1.34 | 0.07 | 0.00 | 0.00 |  |
| 0                  | 371  | 335  | 282  | 226  | 174  | 132  | 98.9 | 74.2 | 54.8 | 39.8 | 28.1 | 18.4 | 10.4 | 4.65 | 1.44 | 0.09 | 0.00 | 0.00 |  |
| 10                 | 330  | 297  | 252  | 204  | 159  | 122  | 92.4 | 69.9 | 52.1 | 38.1 | 27.0 | 17.6 | 9.91 | 4.41 | 1.35 | 0.07 | 0.00 | 0.00 |  |
| 20                 | 228  | 208  | 181  | 151  | 122  | 97.1 | 76.3 | 58.8 | 44.6 | 33.1 | 23.4 | 15.1 | 8.38 | 3.68 | 1.06 | 0.04 | 0.00 | 0.00 |  |
| 30                 | 134  | 126  | 113  | 98.1 | 83.4 | 69.1 | 56.1 | 44.6 | 34.6 | 26.0 | 18.2 | 11.5 | 6.17 | 2.65 | 0.67 | 0.00 | 0.00 | 0.00 |  |
| 40                 | 75.3 | 71.5 | 66.3 | 59.6 | 52.3 | 44.9 | 37.6 | 30.6 | 24.0 | 17.8 | 12.2 | 7.39 | 3.82 | 1.56 | 0.31 | 0.00 | 0.00 | 0.00 |  |
| 50                 | 40.6 | 39.1 | 36.8 | 33.7 | 30.2 | 26.3 | 22.1 | 17.9 | 13.8 | 9.88 | 6.44 | 3.75 | 1.86 | 0.61 | 0.06 | 0.00 | 0.00 | 0.00 |  |
| 60                 | 19.0 | 18.3 | 17.2 | 15.7 | 13.9 | 11.9 | 9.73 | 7.58 | 5.57 | 3.81 | 2.39 | 1.28 | 0.49 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| 70                 | 5.08 | 4.83 | 4.44 | 3.95 | 3.41 | 2.83 | 2.24 | 1.65 | 1.11 | 0.65 | 0.31 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| 80                 | 0.14 | 0.12 | 0.09 | 0.06 | 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 |  |
| 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                | 0.03 | 0.04 | 0.04 | 0.05 | 0.05 | 0.05 | 0.05 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| 130                | 0.33 | 0.33 | 0.34 | 0.32 | 0.26 | 0.24 | 0.18 | 0.14 | 0.08 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| 140                | 0.82 | 0.82 | 0.80 | 0.74 | 0.65 | 0.57 | 0.45 | 0.34 | 0.27 | 0.17 | 0.10 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| 150                | 1.50 | 1.48 | 1.40 | 1.29 | 1.13 | 0.98 | 0.81 | 0.63 | 0.51 | 0.33 | 0.22 | 0.12 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| 160                | 2.23 | 2.18 | 2.06 | 1.90 | 1.68 | 1.42 | 1.16 | 0.93 | 0.68 | 0.52 | 0.31 | 0.16 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| 170                | 2.82 | 2.74 | 2.59 | 2.39 | 2.13 | 1.80 | 1.47 | 1.14 | 0.85 | 0.61 | 0.40 | 0.24 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| 180                | 3.19 | 3.03 | 2.88 | 2.64 | 2.35 | 1.99 | 1.64 | 1.29 | 0.95 | 0.70 | 0.44 | 0.29 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |

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