

## Floodlight Summary:

Report based on lamp delivering 1000 lumens.

|                                    |                        |
|------------------------------------|------------------------|
| Maximum Intensity                  | 401.2 cd per klm.      |
| (Luminaire orientation as tested.) | 0.0 degrees vertical   |
|                                    | 0.0 degrees horizontal |

|             |                |                 |
|-------------|----------------|-----------------|
| Beam Spread | At 10% of Imax | 141.4V x 146.9H |
|             | At 50% of Imax | 109.5V x 109.0H |
|             | At 90% of Imax | 20.2V x 3.6H    |

|           |                |                        |
|-----------|----------------|------------------------|
| Beam Flux | Total          | 1000.1 lumens per klm. |
|           | To 10% of Imax | 987.7 lumens per klm.  |
|           | To 50% of Imax | 745.3 lumens per klm.  |
|           | To 90% of Imax | 1.4 lumens per klm.    |

|              |        |
|--------------|--------|
| Upward LOR   | 0.5 %  |
| Downward LOR | 99.5 % |

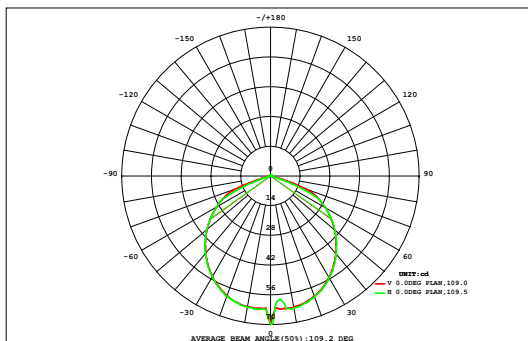
|                                          |         |
|------------------------------------------|---------|
| Luminaire Efficiency(Light Output Ratio) | 100.0 % |
|------------------------------------------|---------|

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ADMIN  
Test Date:2023-08-18

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:12.03V I:0.4999A P:4.016W PF:0.6680 Freq:59.97Hz Lamp Flux:174.194x1 lm |                          |                                |
| NAME: LED LANDSCAPE LIGHT                                                      | TYPE:Aluminum Path Light | WEIGHT:                        |
| SPEC.:4W 2700K                                                                 | DIM.:                    | SERIAL No.:1                   |
| MFR.: EVERFINE                                                                 | SUR.:                    | Shielding Angle:Max beam angle |



| DATA OF LAMP     |                | Eff:43.37lm/W   |            |
|------------------|----------------|-----------------|------------|
| MODEL            | A5A4-4W-27K-BK | Imax(cd)        | 69.88      |
| NOMINAL POWER(W) | 4              | AVAILABILITY(%) | 98.7       |
| RATED VOLTAGE(V) | 12             | Avai. FLUX(lm)  | 171.9      |
| NOMINAL FLUX(lm) | 174.194        | LOR(%)          | 100.0      |
| LAMPS INSIDE     | 1              | TOTAL FLUX(lm)  | 174.2      |
| TEST VOLTAGE(V)  | 12             | θ @50%(H,V)     | 109,109DEG |

| 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 | 0.00 | 0.02 | 0.04 | 0.06 | 0.06 | 0.07 | 0.06 | 0.04 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.36 | 0.09 |
| 80               | 0.00              | 0.00 | 0.00 | 0.03 | 0.15 | 0.32 | 0.49 | 0.61 | 0.67 | 0.67 | 0.61 | 0.49 | 0.33 | 0.16 | 0.04 | 0.00 | 0.00    | 0.00 | 4.56 | 4.36 |
| 70               | 0.00              | 0.00 | 0.03 | 0.21 | 0.47 | 0.68 | 0.85 | 0.98 | 1.05 | 1.05 | 0.98 | 0.86 | 0.69 | 0.47 | 0.22 | 0.03 | 0.00    | 0.00 | 8.57 | 8.49 |
| 60               | 0.00              | 0.00 | 0.11 | 0.39 | 0.64 | 0.87 | 1.08 | 1.24 | 1.32 | 1.32 | 1.24 | 1.08 | 0.88 | 0.64 | 0.39 | 0.12 | 0.00    | 0.00 | 11.3 | 11.3 |
| 50               | 0.00              | 0.01 | 0.20 | 0.48 | 0.75 | 1.02 | 1.27 | 1.46 | 1.56 | 1.56 | 1.46 | 1.28 | 1.03 | 0.76 | 0.49 | 0.21 | 0.01    | 0.00 | 13.5 | 13.5 |
| 40               | 0.00              | 0.02 | 0.26 | 0.54 | 0.84 | 1.15 | 1.42 | 1.63 | 1.75 | 1.75 | 1.64 | 1.43 | 1.15 | 0.85 | 0.54 | 0.27 | 0.03    | 0.00 | 15.3 | 15.3 |
| 30               | 0.00              | 0.04 | 0.29 | 0.58 | 0.90 | 1.23 | 1.53 | 1.75 | 1.87 | 1.87 | 1.76 | 1.54 | 1.24 | 0.91 | 0.58 | 0.30 | 0.04    | 0.00 | 16.4 | 16.4 |
| 20               | 0.00              | 0.05 | 0.31 | 0.60 | 0.93 | 1.27 | 1.58 | 1.80 | 1.89 | 1.89 | 1.81 | 1.59 | 1.28 | 0.94 | 0.61 | 0.31 | 0.05    | 0.00 | 16.9 | 16.9 |
| 10               | 0.00              | 0.05 | 0.31 | 0.60 | 0.93 | 1.27 | 1.58 | 1.80 | 1.90 | 1.90 | 1.81 | 1.59 | 1.28 | 0.94 | 0.60 | 0.31 | 0.05    | 0.00 | 16.9 | 16.9 |
| 0                | 0.00              | 0.04 | 0.29 | 0.58 | 0.90 | 1.23 | 1.52 | 1.75 | 1.86 | 1.86 | 1.75 | 1.53 | 1.24 | 0.91 | 0.58 | 0.30 | 0.04    | 0.00 | 16.4 | 16.4 |
| -10              | 0.00              | 0.02 | 0.26 | 0.54 | 0.84 | 1.14 | 1.42 | 1.63 | 1.74 | 1.74 | 1.63 | 1.42 | 1.15 | 0.84 | 0.54 | 0.26 | 0.03    | 0.00 | 15.2 | 15.2 |
| -20              | 0.00              | 0.01 | 0.20 | 0.48 | 0.75 | 1.02 | 1.26 | 1.45 | 1.55 | 1.55 | 1.45 | 1.27 | 1.03 | 0.75 | 0.48 | 0.20 | 0.01    | 0.00 | 13.5 | 13.4 |
| -30              | 0.00              | 0.00 | 0.11 | 0.38 | 0.63 | 0.87 | 1.07 | 1.23 | 1.31 | 1.31 | 1.23 | 1.08 | 0.87 | 0.64 | 0.39 | 0.12 | 0.00    | 0.00 | 11.2 | 11.2 |
| -40              | 0.00              | 0.00 | 0.03 | 0.20 | 0.46 | 0.68 | 0.85 | 0.97 | 1.04 | 1.04 | 0.97 | 0.85 | 0.68 | 0.46 | 0.21 | 0.03 | 0.00    | 0.00 | 8.46 | 8.38 |
| -50              | 0.00              | 0.00 | 0.00 | 0.03 | 0.14 | 0.31 | 0.47 | 0.58 | 0.64 | 0.64 | 0.58 | 0.47 | 0.31 | 0.15 | 0.04 | 0.00 | 0.00    | 0.00 | 4.36 | 4.15 |
| -60              | 0.00              | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.03 | 0.05 | 0.06 | 0.06 | 0.05 | 0.04 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.32 | 0.07 |
| -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 |
| HORIZONTAL (DEG) |                   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |         |      |      |      |
| Φ t              | 0.00              | 0.24 | 2.40 | 5.63 | 9.32 | 13.1 | 16.5 | 19.0 | 20.3 | 20.3 | 19.0 | 16.6 | 13.2 | 9.42 | 5.71 | 2.47 | 0.26    | 0.00 | 173  | ---  |
| Φ a              | 0.00              | 0.14 | 2.30 | 5.54 | 9.23 | 13.0 | 16.4 | 18.9 | 20.2 | 20.2 | 19.0 | 16.5 | 13.1 | 9.33 | 5.62 | 2.36 | 0.16    | 0.00 | ---  | 172  |

one-half-peak spread: U:44.9,D:44.3 , L:47.7,R:46.1

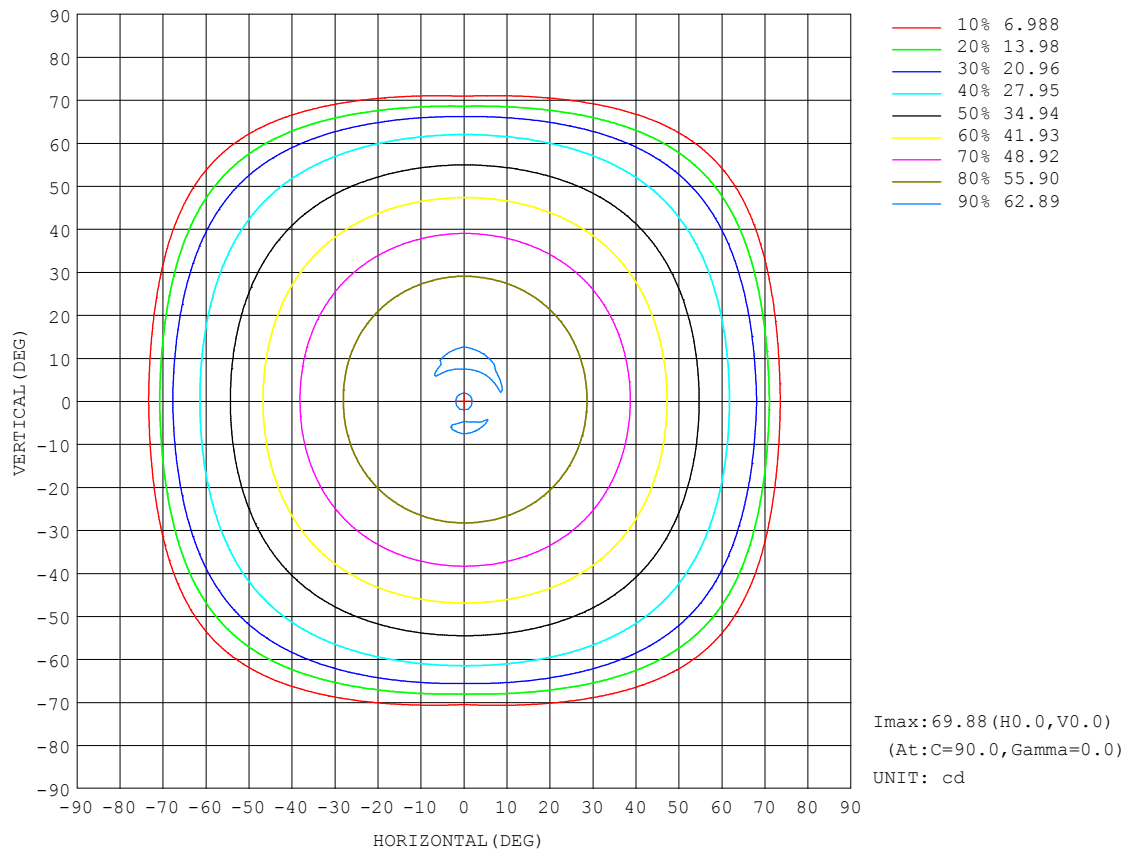
NEMA Beam Type: Type 7

H(β) Range:-90 - 90DEG  
H(β) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ADMIN  
Test Date:2023-08-18

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:12.03V I:0.4999A P:4.016W PF:0.6680 Freq:59.97Hz Lamp Flux:174.194x1 lm |                          |                                |
| NAME: LED LANDSCAPE LIGHT                                                      | TYPE:Aluminum Path Light | WEIGHT:                        |
| SPEC.:4W 2700K                                                                 | DIM.:                    | SERIAL No.:1                   |
| MFR.: EVERFINE                                                                 | SUR.:                    | Shielding Angle:Max beam angle |

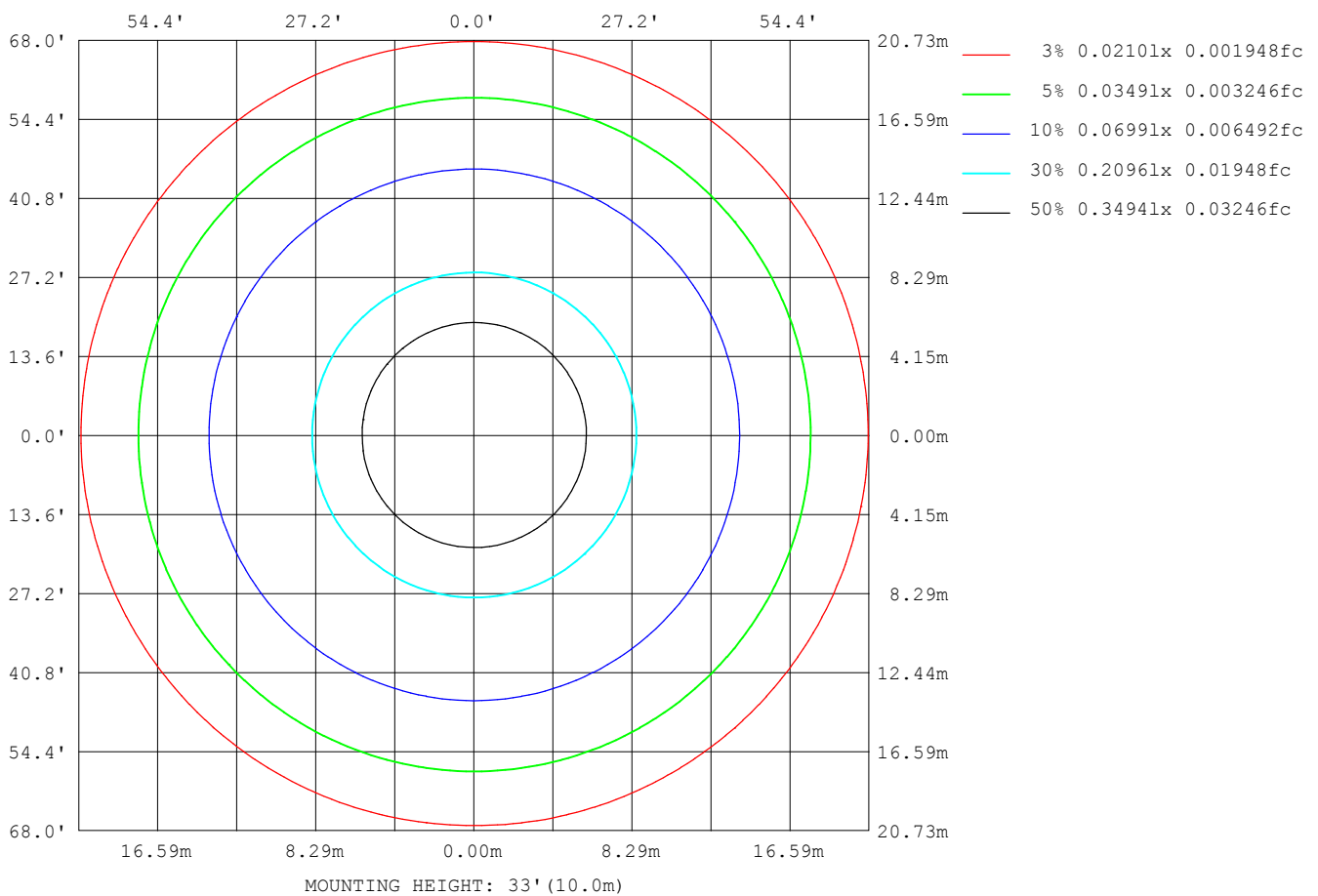


H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ADMIN  
Test Date:2023-08-18

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

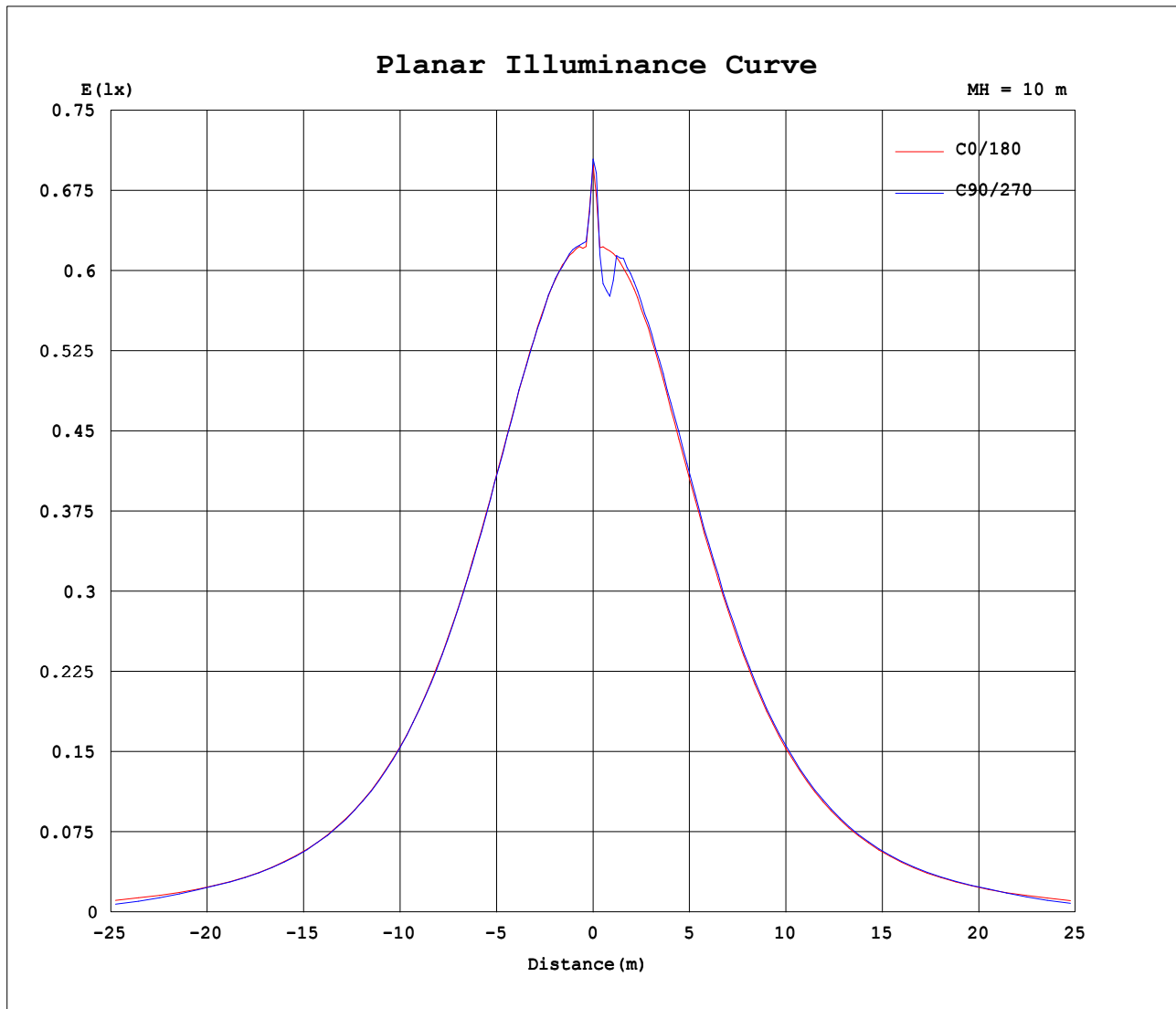
|                                                                                |                          |                                |
|--------------------------------------------------------------------------------|--------------------------|--------------------------------|
| Test:U:12.03V I:0.4999A P:4.016W PF:0.6680 Freq:59.97Hz Lamp Flux:174.194x1 lm |                          |                                |
| NAME: LED LANDSCAPE LIGHT                                                      | TYPE:Aluminum Path Light | WEIGHT:                        |
| SPEC.:4W 2700K                                                                 | DIM.:                    | SERIAL No.:1                   |
| MFR.: EVERFINE                                                                 | SUR.:                    | Shielding Angle:Max beam angle |



H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ADMIN  
Test Date:2023-08-18

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

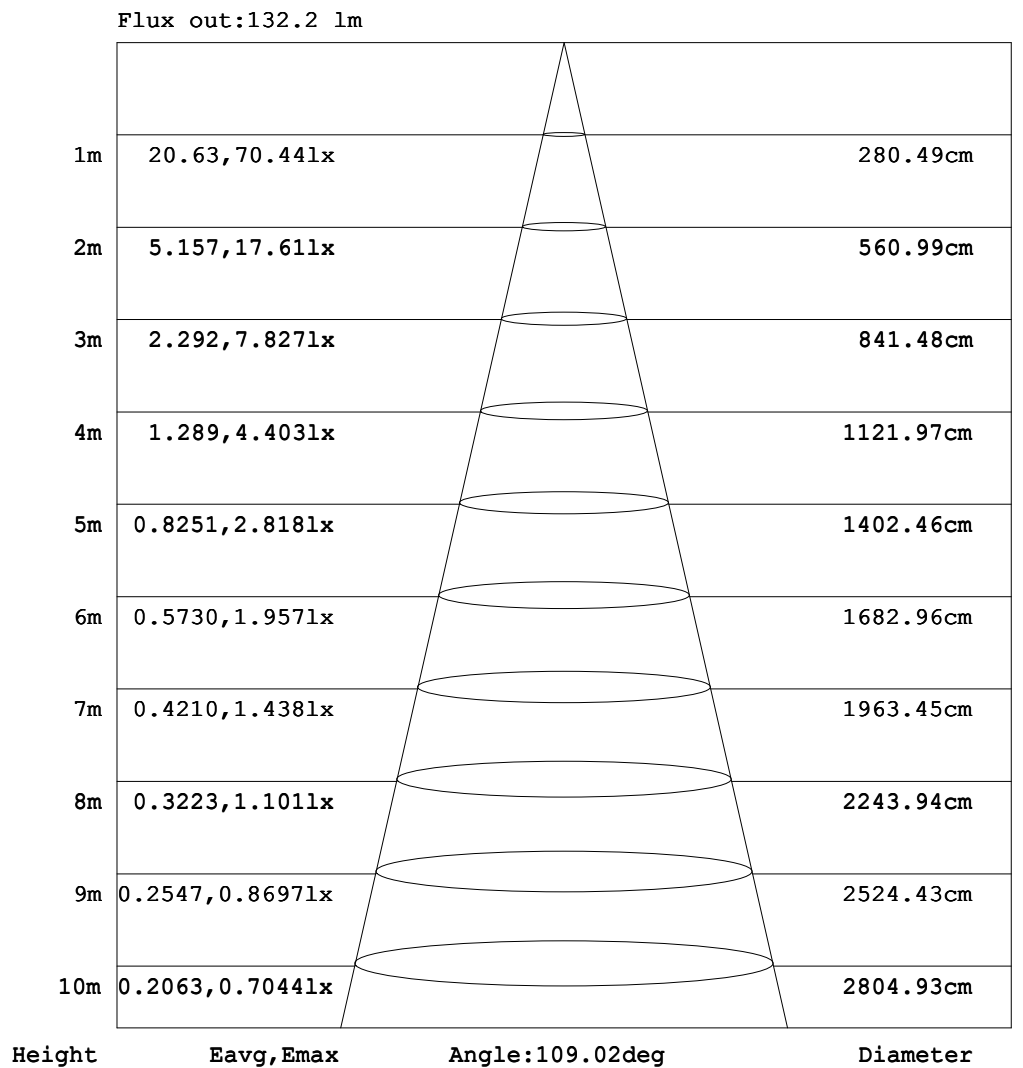


H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ADMIN  
Test Date:2023-08-18

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:12.03V I:0.4999A P:4.016W PF:0.6680 Freq:59.97Hz Lamp Flux:174.194x1 lm |                          |                                |
| NAME: LED LANDSCAPE LIGHT                                                      | TYPE:Aluminum Path Light | WEIGHT:                        |
| SPEC.:4W 2700K                                                                 | DIM.:                    | SERIAL No.:1                   |
| MFR.: EVERFINE                                                                 | SUR.:                    | Shielding Angle:Max beam 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:2023-08-18

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:12.03V I:0.4999A P:4.016W PF:0.6680 Freq:59.97Hz Lamp Flux:174.194x1 lm |                          |                                |
| NAME: LED LANDSCAPE LIGHT                                                      | TYPE:Aluminum Path Light | WEIGHT:                        |
| SPEC.:4W 2700K                                                                 | DIM.:                    | SERIAL No.:1                   |
| MFR.: EVERFINE                                                                 | SUR.:                    | Shielding Angle:Max beam 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 | 0.06 | 0.11 | 0.16 | 0.21 | 0.28 | 0.31 | 0.34 | 0.39 | 0.42 | 0.46 | 0.49 | 0.51 | 0.48 |
| -170               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.11 | 0.16 | 0.21 | 0.27 | 0.30 | 0.35 | 0.38 | 0.42 | 0.45 | 0.47 | 0.48 | 0.48 |
| -160               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.09 | 0.14 | 0.20 | 0.24 | 0.29 | 0.32 | 0.36 | 0.39 | 0.42 | 0.44 | 0.44 | 0.45 |
| -150               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.07 | 0.12 | 0.15 | 0.21 | 0.24 | 0.28 | 0.31 | 0.34 | 0.36 | 0.38 | 0.39 | 0.40 |
| -140               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.02 | 0.08 | 0.12 | 0.16 | 0.19 | 0.22 | 0.26 | 0.27 | 0.29 | 0.31 | 0.33 | 0.33 |
| -130               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.02 | 0.04 | 0.09 | 0.12 | 0.15 | 0.18 | 0.19 | 0.21 | 0.23 | 0.24 | 0.24 |
| -120               | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.03 | 0.05 | 0.06 | 0.09 | 0.11 | 0.12 | 0.14 | 0.14 |
| -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 | 0.24 | 0.95 | 1.87 | 3.15 | 4.70 | 6.16 | 7.24 | 7.96 | 8.33 | 8.36 | 8.04 |
| -60                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 1.85 | 5.17 | 9.81 | 14.2 | 18.5 | 21.8 | 24.4 | 26.3 | 27.4 | 28.3 | 29.0 | 29.3 | 29.5 |
| -50                | 0.00 | 0.00 | 0.00 | 0.00 | 0.34 | 4.04 | 10.8 | 17.6 | 22.7 | 26.4 | 28.9 | 31.2 | 33.2 | 35.0 | 36.5 | 37.6 | 38.5 | 39.0 | 39.2 |
| -40                | 0.00 | 0.00 | 0.00 | 0.00 | 3.33 | 11.7 | 20.1 | 25.2 | 28.9 | 32.2 | 35.2 | 38.1 | 40.5 | 42.6 | 44.4 | 45.9 | 46.9 | 47.5 | 47.7 |
| -30                | 0.00 | 0.00 | 0.00 | 0.52 | 7.72 | 18.4 | 24.8 | 29.1 | 33.2 | 36.9 | 40.5 | 43.6 | 46.5 | 48.9 | 51.0 | 52.7 | 53.9 | 54.6 | 54.8 |
| -20                | 0.00 | 0.00 | 0.00 | 1.85 | 12.1 | 22.2 | 27.4 | 32.0 | 36.3 | 40.5 | 44.3 | 47.8 | 51.0 | 53.7 | 56.0 | 57.8 | 59.1 | 60.1 | 60.3 |
| -10                | 0.00 | 0.00 | 0.00 | 3.02 | 14.9 | 23.7 | 28.8 | 33.7 | 38.3 | 42.7 | 46.7 | 50.4 | 53.8 | 56.6 | 59.0 | 60.9 | 61.9 | 62.6 | 62.7 |
| 0                  | 0.00 | 0.00 | 0.00 | 3.50 | 16.0 | 24.2 | 29.3 | 34.3 | 38.9 | 43.3 | 47.5 | 51.4 | 54.6 | 57.6 | 60.0 | 61.6 | 62.4 | 62.6 | 69.9 |
| 10                 | 0.00 | 0.00 | 0.00 | 3.02 | 14.9 | 23.8 | 28.9 | 33.7 | 38.4 | 42.7 | 46.8 | 50.5 | 53.9 | 56.7 | 59.1 | 61.0 | 62.1 | 62.9 | 63.1 |
| 20                 | 0.00 | 0.00 | 0.00 | 1.85 | 12.1 | 22.3 | 27.5 | 32.0 | 36.4 | 40.6 | 44.4 | 47.9 | 51.2 | 53.9 | 56.3 | 58.1 | 59.4 | 60.2 | 60.7 |
| 30                 | 0.00 | 0.00 | 0.00 | 0.52 | 7.80 | 18.6 | 25.0 | 29.2 | 33.3 | 37.1 | 40.6 | 43.8 | 46.6 | 49.1 | 51.4 | 53.1 | 54.2 | 54.9 | 55.2 |
| 40                 | 0.00 | 0.00 | 0.00 | 0.00 | 3.36 | 11.8 | 20.5 | 25.5 | 29.0 | 32.4 | 35.4 | 38.2 | 40.7 | 42.9 | 44.7 | 46.1 | 47.2 | 47.9 | 48.1 |
| 50                 | 0.00 | 0.00 | 0.00 | 0.00 | 0.34 | 4.14 | 10.9 | 18.1 | 23.2 | 26.6 | 29.1 | 31.4 | 33.5 | 35.3 | 36.7 | 38.0 | 38.9 | 39.4 | 39.6 |
| 60                 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 1.88 | 5.41 | 10.1 | 14.9 | 19.3 | 22.5 | 25.0 | 26.6 | 27.8 | 28.7 | 29.4 | 29.8 | 30.0 |
| 70                 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 0.95 | 2.00 | 3.51 | 5.17 | 6.59 | 7.72 | 8.62 | 9.23 | 9.44 | 9.24 |
| 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 | 0.01 | 0.01 | 0.01 | 0.00 |
| 130                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.03 | 0.03 | 0.04 | 0.07 | 0.11 | 0.13 | 0.13 | 0.14 | 0.14 |
| 140                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.06 | 0.10 | 0.13 | 0.16 | 0.17 | 0.18 | 0.20 | 0.20 | 0.23 | 0.24 |
| 150                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.07 | 0.13 | 0.17 | 0.19 | 0.22 | 0.27 | 0.29 | 0.30 | 0.31 | 0.31 | 0.31 |
| 160                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.07 | 0.12 | 0.18 | 0.20 | 0.27 | 0.30 | 0.32 | 0.34 | 0.35 | 0.39 | 0.42 | 0.43 |
| 170                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.10 | 0.15 | 0.20 | 0.25 | 0.29 | 0.33 | 0.36 | 0.40 | 0.44 | 0.45 | 0.47 | 0.47 |
| 180                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.11 | 0.16 | 0.21 | 0.28 | 0.31 | 0.34 | 0.39 | 0.42 | 0.46 | 0.49 | 0.51 | 0.47 |

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ADMIN  
Test Date:2023-08-18

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:12.03V I:0.4999A P:4.016W PF:0.6680 Freq:59.97Hz Lamp Flux:174.194x1 lm |                          |                                |
| NAME: LED LANDSCAPE LIGHT                                                      | TYPE:Aluminum Path Light | WEIGHT:                        |
| SPEC.:4W 2700K                                                                 | DIM.:                    | SERIAL No.:1                   |
| MFR.: EVERFINE                                                                 | SUR.:                    | Shielding Angle:Max beam 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               | 0.46 | 0.46 | 0.46 | 0.45 | 0.42 | 0.33 | 0.31 | 0.31 | 0.28 | 0.20 | 0.15 | 0.13 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| -170               | 0.47 | 0.47 | 0.46 | 0.45 | 0.42 | 0.35 | 0.31 | 0.30 | 0.27 | 0.20 | 0.16 | 0.13 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| -160               | 0.45 | 0.45 | 0.43 | 0.41 | 0.36 | 0.33 | 0.31 | 0.29 | 0.26 | 0.18 | 0.16 | 0.11 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| -150               | 0.39 | 0.38 | 0.36 | 0.34 | 0.32 | 0.31 | 0.28 | 0.26 | 0.19 | 0.16 | 0.14 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| -140               | 0.33 | 0.32 | 0.31 | 0.29 | 0.28 | 0.26 | 0.22 | 0.18 | 0.16 | 0.13 | 0.06 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| -130               | 0.24 | 0.24 | 0.22 | 0.20 | 0.19 | 0.17 | 0.16 | 0.13 | 0.10 | 0.03 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| -120               | 0.14 | 0.13 | 0.12 | 0.11 | 0.09 | 0.06 | 0.04 | 0.02 | 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                | 8.40 | 8.42 | 8.08 | 7.40 | 6.36 | 4.92 | 3.35 | 2.06 | 1.11 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| -60                | 29.4 | 29.0 | 28.4 | 27.5 | 26.4 | 24.5 | 21.9 | 18.7 | 14.6 | 10.2 | 5.54 | 2.10 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| -50                | 39.1 | 38.6 | 37.7 | 36.7 | 35.1 | 33.4 | 31.4 | 29.1 | 26.6 | 22.9 | 18.1 | 11.3 | 4.39 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| -40                | 47.5 | 46.9 | 46.0 | 44.5 | 42.7 | 40.7 | 38.3 | 35.5 | 32.5 | 29.1 | 25.5 | 20.5 | 12.3 | 3.68 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| -30                | 54.7 | 54.0 | 52.8 | 51.2 | 49.1 | 46.7 | 43.8 | 40.7 | 37.3 | 33.5 | 29.4 | 25.1 | 18.9 | 8.28 | 0.75 | 0.00 | 0.00 | 0.00 |  |
| -20                | 60.1 | 59.2 | 58.0 | 56.2 | 54.0 | 51.2 | 48.1 | 44.6 | 40.8 | 36.8 | 32.4 | 27.7 | 22.5 | 12.7 | 2.15 | 0.00 | 0.00 | 0.00 |  |
| -10                | 62.6 | 62.0 | 61.0 | 59.3 | 57.0 | 54.1 | 50.7 | 47.1 | 43.0 | 38.8 | 34.1 | 29.2 | 24.1 | 15.6 | 3.39 | 0.00 | 0.00 | 0.00 |  |
| 0                  | 62.8 | 62.7 | 61.9 | 60.2 | 58.0 | 55.1 | 51.7 | 47.9 | 43.7 | 39.4 | 34.7 | 29.7 | 24.6 | 16.7 | 3.90 | 0.00 | 0.00 | 0.00 |  |
| 10                 | 63.0 | 62.3 | 61.2 | 59.4 | 57.0 | 54.2 | 50.8 | 47.1 | 43.1 | 38.8 | 34.1 | 29.2 | 24.1 | 15.6 | 3.39 | 0.00 | 0.00 | 0.00 |  |
| 20                 | 60.3 | 59.6 | 58.3 | 56.4 | 54.1 | 51.4 | 48.2 | 44.7 | 40.9 | 36.8 | 32.5 | 27.7 | 22.6 | 12.8 | 2.15 | 0.00 | 0.00 | 0.00 |  |
| 30                 | 55.0 | 54.3 | 53.2 | 51.5 | 49.3 | 46.9 | 44.0 | 40.8 | 37.4 | 33.6 | 29.6 | 25.3 | 19.2 | 8.36 | 0.75 | 0.00 | 0.00 | 0.00 |  |
| 40                 | 47.9 | 47.3 | 46.2 | 44.8 | 43.1 | 40.9 | 38.5 | 35.6 | 32.7 | 29.3 | 25.7 | 20.8 | 12.4 | 3.72 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| 50                 | 39.4 | 38.9 | 38.1 | 36.9 | 35.4 | 33.6 | 31.6 | 29.3 | 26.8 | 23.4 | 18.6 | 11.4 | 4.49 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| 60                 | 29.8 | 29.4 | 28.7 | 27.9 | 26.7 | 25.2 | 22.7 | 19.5 | 15.3 | 10.5 | 5.78 | 2.13 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| 70                 | 9.48 | 9.31 | 8.74 | 7.89 | 6.79 | 5.39 | 3.72 | 2.19 | 1.11 | 0.35 | 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                | 0.01 | 0.02 | 0.02 | 0.03 | 0.03 | 0.02 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| 130                | 0.14 | 0.14 | 0.14 | 0.13 | 0.09 | 0.07 | 0.07 | 0.07 | 0.07 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| 140                | 0.23 | 0.21 | 0.21 | 0.20 | 0.20 | 0.20 | 0.16 | 0.12 | 0.10 | 0.09 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| 150                | 0.31 | 0.31 | 0.30 | 0.29 | 0.28 | 0.25 | 0.23 | 0.22 | 0.16 | 0.12 | 0.11 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| 160                | 0.43 | 0.41 | 0.37 | 0.36 | 0.32 | 0.30 | 0.29 | 0.25 | 0.24 | 0.16 | 0.13 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| 170                | 0.47 | 0.45 | 0.45 | 0.44 | 0.40 | 0.33 | 0.30 | 0.28 | 0.26 | 0.19 | 0.14 | 0.13 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| 180                | 0.46 | 0.46 | 0.46 | 0.45 | 0.42 | 0.33 | 0.31 | 0.31 | 0.28 | 0.20 | 0.15 | 0.13 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |

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