

## Floodlight Summary:

Report based on lamp delivering 1000 lumens.

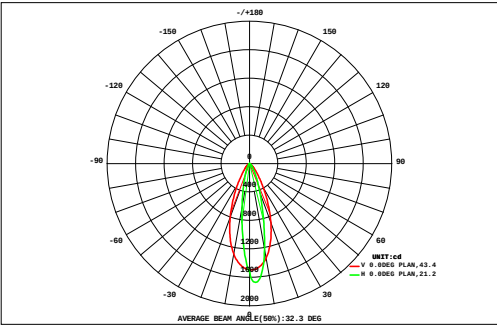
|                                                         |                |                                                                      |
|---------------------------------------------------------|----------------|----------------------------------------------------------------------|
| Maximum Intensity<br>(Luminaire orientation as tested.) |                | 2463.1 cd per klm.<br>0.0 degrees vertical<br>0.0 degrees horizontal |
| Beam Spread                                             | At 10% of Imax | 50.8V x 77.4H                                                        |
|                                                         | At 50% of Imax | 21.2V x 43.4H                                                        |
|                                                         | At 90% of Imax | 7.8V x 18.5H                                                         |
| Beam Flux                                               | Total          | 1000.4 lumens per klm.                                               |
|                                                         | To 10% of Imax | 776.4 lumens per klm.                                                |
|                                                         | To 50% of Imax | 382.3 lumens per klm.                                                |
|                                                         | To 90% of Imax | 63.3 lumens per klm.                                                 |
| Upward LOR                                              |                | 2.3 %                                                                |
| Downward LOR                                            |                | 97.8 %                                                               |
| Luminaire Efficiency(Light Output Ratio)                |                | 100.0 %                                                              |

H<sub>(b)</sub> Range:-90 - 90DEG  
H<sub>(b)</sub> Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2024-06-29

V(B) Range:-180 - 180DEG  
V(B) Interval: 0.5DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:8.630m [K=1.0000]  
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

|                                               |            |                      |
|-----------------------------------------------|------------|----------------------|
| NAME:Blazeline Mini-600mm-TW-4000K-2040D-Rev1 | TYPE:4000K | WEIGHT:              |
| SPEC.:20X40 DEG                               | DIM.:600mm | SERIAL No.:IES002544 |
| MFR.:                                         | SUR.:      | Shielding Angle:     |



| DATA OF LAMP     |      | Eff:61.17lm/W   |          |
|------------------|------|-----------------|----------|
| MODEL            |      | Imax(cd)        | 1672     |
| NOMINAL POWER(W) | 11.1 | AVAILABILITY(%) | 77.6     |
| RATED VOLTAGE(V) | 220  | Avai. FLUX(lm)  | 527.1    |
| NOMINAL FLUX(lm) | 679  | LOR(%)          | 100.0    |
| LAMPS INSIDE     | 1    | TOTAL FLUX(lm)  | 679.0    |
| TEST VOLTAGE(V)  | 220  | q @50%(H,V)     | 43,21DEG |

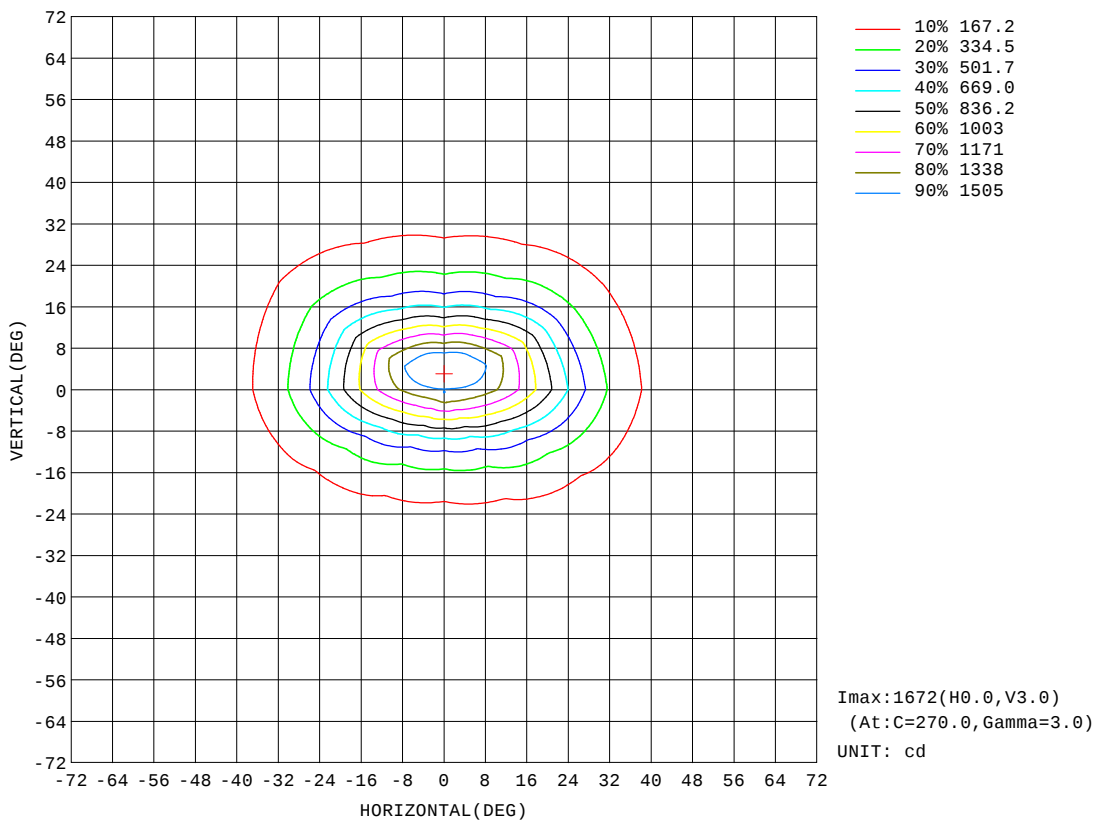
| VERTICAL (DEG) | AREA FLUX DIAGRAM |      |      |      |      |      |      |      |                  |      |      |      |      |      |      |      | UNIT:lm |      | F t  | F a  |
|----------------|-------------------|------|------|------|------|------|------|------|------------------|------|------|------|------|------|------|------|---------|------|------|------|
|                | 0.03              | 0.05 | 0.08 | 0.10 | 0.13 | 0.15 | 0.17 | 0.18 | 0.18             | 0.18 | 0.18 | 0.17 | 0.15 | 0.13 | 0.10 | 0.07 | 0.05    | 0.03 | 2.12 | 0.00 |
| 72             | 0.03              | 0.05 | 0.08 | 0.10 | 0.13 | 0.15 | 0.17 | 0.18 | 0.18             | 0.18 | 0.18 | 0.17 | 0.15 | 0.13 | 0.10 | 0.07 | 0.05    | 0.03 | 2.12 | 0.00 |
| 64             | 0.04              | 0.07 | 0.11 | 0.16 | 0.21 | 0.24 | 0.27 | 0.29 | 0.29             | 0.29 | 0.29 | 0.27 | 0.24 | 0.20 | 0.16 | 0.11 | 0.07    | 0.03 | 3.36 | 0.00 |
| 56             | 0.05              | 0.10 | 0.17 | 0.25 | 0.33 | 0.39 | 0.45 | 0.49 | 0.48             | 0.48 | 0.48 | 0.44 | 0.39 | 0.32 | 0.24 | 0.16 | 0.09    | 0.04 | 5.35 | 0.00 |
| 48             | 0.06              | 0.13 | 0.23 | 0.37 | 0.52 | 0.67 | 0.78 | 0.87 | 0.88             | 0.87 | 0.87 | 0.77 | 0.65 | 0.50 | 0.35 | 0.22 | 0.12    | 0.05 | 8.91 | 0.00 |
| 40             | 0.07              | 0.16 | 0.31 | 0.55 | 0.85 | 1.19 | 1.48 | 1.73 | 1.79             | 1.78 | 1.71 | 1.45 | 1.13 | 0.80 | 0.51 | 0.29 | 0.14    | 0.06 | 16.0 | 0.00 |
| 32             | 0.08              | 0.19 | 0.39 | 0.76 | 1.36 | 2.17 | 3.00 | 3.60 | 3.91             | 3.88 | 3.53 | 2.87 | 2.02 | 1.26 | 0.71 | 0.37 | 0.17    | 0.07 | 30.4 | 14.4 |
| 24             | 0.10              | 0.23 | 0.48 | 0.98 | 2.00 | 3.83 | 6.12 | 7.89 | 8.85             | 8.81 | 7.80 | 5.94 | 3.56 | 1.88 | 0.93 | 0.44 | 0.20    | 0.08 | 60.1 | 52.3 |
|                | 0.10              | 0.25 | 0.54 | 1.16 | 2.57 | 5.69 | 11.1 | 16.7 | 19.9             | 20.1 | 17.1 | 11.4 | 5.72 | 2.60 | 1.15 | 0.51 | 0.22    | 0.08 | 117  | 110  |
|                | 0.11              | 0.26 | 0.58 | 1.27 | 2.93 | 6.97 | 14.3 | 23.5 | 29.9             | 30.1 | 24.4 | 15.4 | 7.66 | 3.23 | 1.31 | 0.55 | 0.23    | 0.09 | 163  | 157  |
|                | 0.10              | 0.25 | 0.55 | 1.18 | 2.64 | 6.06 | 11.7 | 17.5 | 21.6             | 22.2 | 18.7 | 12.9 | 6.94 | 3.03 | 1.25 | 0.53 | 0.22    | 0.08 | 127  | 121  |
|                | 0.09              | 0.22 | 0.46 | 0.91 | 1.83 | 3.53 | 5.83 | 8.28 | 9.64             | 9.91 | 8.98 | 6.65 | 4.10 | 2.10 | 0.97 | 0.45 | 0.20    | 0.08 | 64.2 | 56.5 |
|                | 0.08              | 0.18 | 0.35 | 0.64 | 1.11 | 1.81 | 2.79 | 3.52 | 4.02             | 4.12 | 3.79 | 3.18 | 2.13 | 1.28 | 0.69 | 0.35 | 0.17    | 0.07 | 30.3 | 15.2 |
| -24            | 0.07              | 0.14 | 0.26 | 0.41 | 0.65 | 0.99 | 1.31 | 1.55 | 1.73             | 1.76 | 1.64 | 1.46 | 1.15 | 0.76 | 0.46 | 0.26 | 0.13    | 0.06 | 14.8 | 0.00 |
| -32            | 0.05              | 0.11 | 0.18 | 0.26 | 0.40 | 0.54 | 0.63 | 0.74 | 0.78             | 0.79 | 0.77 | 0.69 | 0.61 | 0.46 | 0.30 | 0.19 | 0.10    | 0.04 | 7.65 | 0.00 |
| -40            | 0.04              | 0.08 | 0.12 | 0.17 | 0.24 | 0.30 | 0.34 | 0.39 | 0.40             | 0.40 | 0.40 | 0.36 | 0.33 | 0.27 | 0.20 | 0.13 | 0.07    | 0.03 | 4.28 | 0.00 |
| -48            | 0.03              | 0.05 | 0.07 | 0.11 | 0.15 | 0.17 | 0.20 | 0.22 | 0.22             | 0.22 | 0.22 | 0.20 | 0.19 | 0.16 | 0.12 | 0.08 | 0.05    | 0.02 | 2.49 | 0.00 |
| -56            | 0.02              | 0.03 | 0.05 | 0.07 | 0.09 | 0.10 | 0.11 | 0.12 | 0.12             | 0.12 | 0.12 | 0.12 | 0.10 | 0.09 | 0.07 | 0.05 | 0.03    | 0.02 | 1.44 | 0.00 |
| -64            | 0.02              | 0.02 | 0.03 | 0.04 | 0.05 | 0.05 | 0.06 | 0.07 | 0.07             | 0.07 | 0.07 | 0.06 | 0.05 | 0.05 | 0.04 | 0.03 | 0.02    | 0.01 | 0.78 | 0.00 |
| -72            | 0.02              | 0.02 | 0.03 | 0.04 | 0.05 | 0.05 | 0.06 | 0.07 | 0.07             | 0.07 | 0.07 | 0.06 | 0.05 | 0.05 | 0.04 | 0.03 | 0.02    | 0.01 | 0.78 | 0.00 |
|                | -72               | -64  | -56  | -48  | -40  | -32  | -24  | -16  | HORIZONTAL (DEG) | 16   | 24   | 32   | 40   | 48   | 56   | 64   | 72      |      |      |      |
| F t            | 1.15              | 2.53 | 4.96 | 9.39 | 18.1 | 34.9 | 60.6 | 87.7 | 105              | 106  | 91.1 | 64.3 | 37.1 | 19.1 | 9.57 | 4.80 | 2.28    | 0.93 | 659  | ---  |
| F a            | 0.00              | 0.00 | 0.00 | 0.00 | 5.21 | 25.4 | 51.8 | 78.9 | 96.3             | 97.5 | 82.2 | 55.6 | 27.5 | 6.67 | 0.00 | 0.00 | 0.00    | 0.00 | ---  | 527  |

one-half-peak spread: U:10.5,D:10.9 , L:22.1,Beam Type: Type 5 x 4 (H x V)

H<sub>(b)</sub> Range:-90 - 90DEG  
H<sub>(b)</sub> Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2024-06-29  
V(B) Range:-180 - 180DEG  
V(B) Interval: 0.5DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:8.630m [K=1.0000]  
Remarks:

ISOCANDELA DIAGRAM

|                                               |            |                      |
|-----------------------------------------------|------------|----------------------|
| NAME:Blazeline Mini-600mm-TW-4000K-2040D-Rev1 | TYPE:4000K | WEIGHT:              |
| SPEC.:20X40 DEG                               | DIM.:600mm | SERIAL No.:IES002544 |
| MFR.:                                         | SUR.:      | Shielding Angle:     |

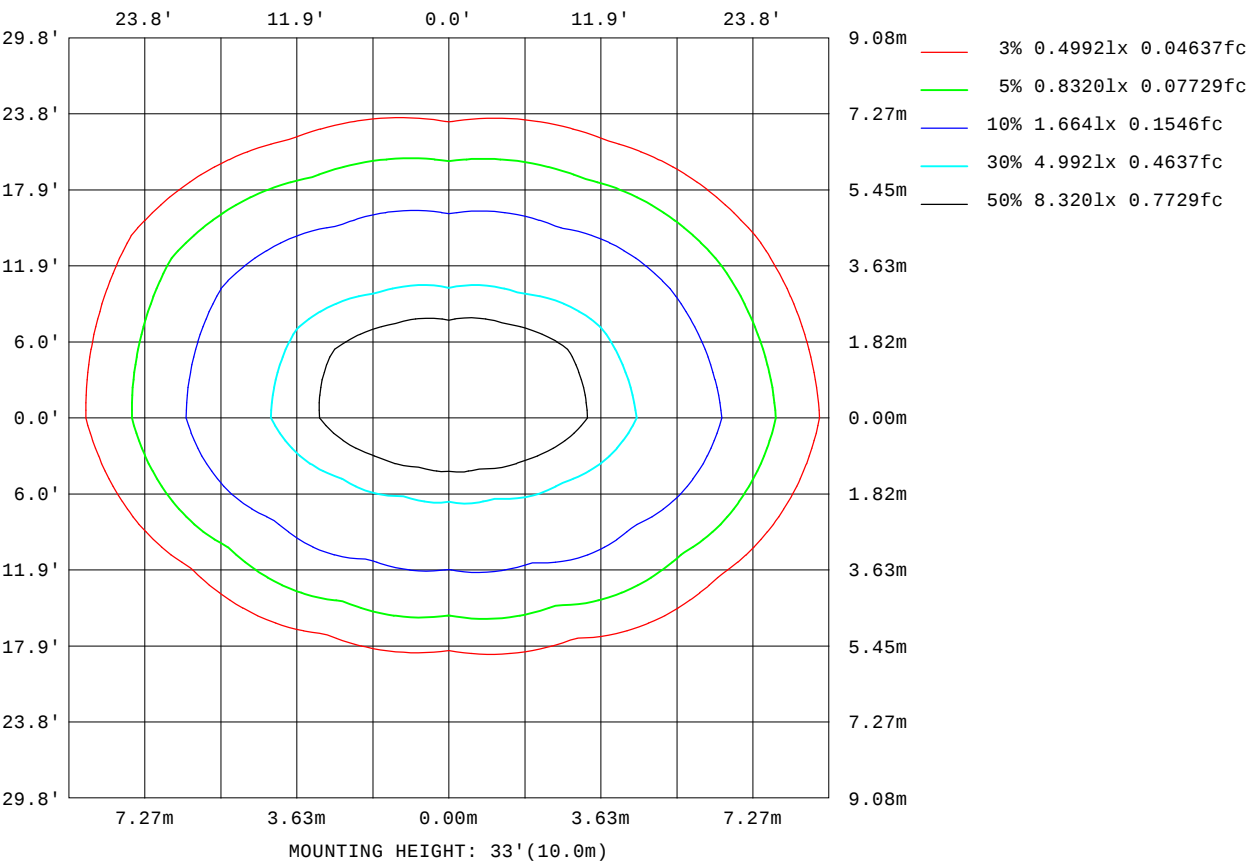


H<sub>(b)</sub> Range:-90 - 90DEG  
H<sub>(b)</sub> Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2024-06-29

V(B) Range:-180 - 180DEG  
V(B) Interval: 0.5DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:8.630m [K=1.0000]  
Remarks:

ISOLUX DIAGRAM

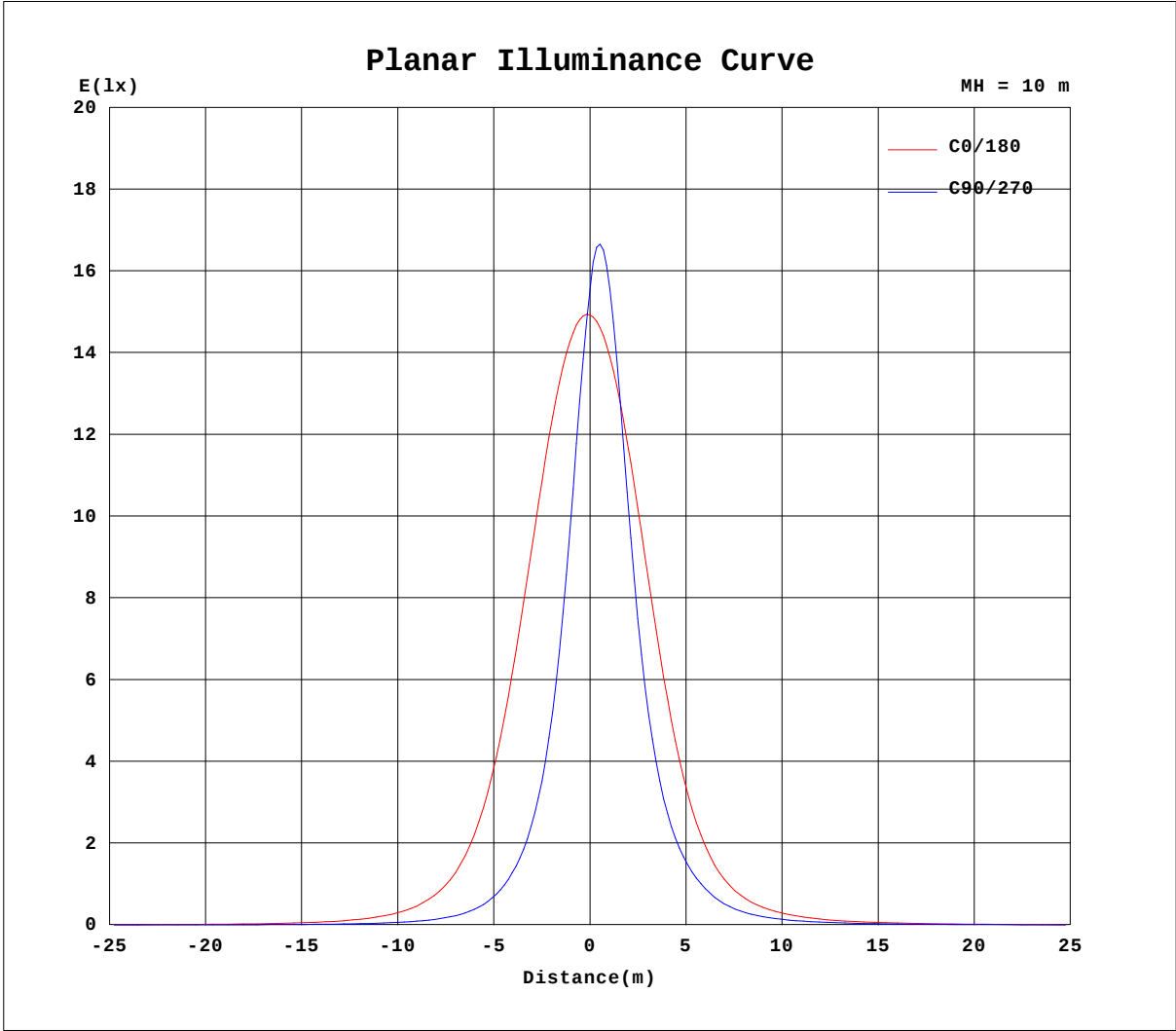
|                                               |            |                      |
|-----------------------------------------------|------------|----------------------|
| NAME:Blazeline Mini-600mm-TW-4000K-2040D-Rev1 | TYPE:4000K | WEIGHT:              |
| SPEC.:20X40 DEG                               | DIM.:600mm | SERIAL No.:IES002544 |
| MFR.:                                         | SUR.:      | Shielding Angle:     |



H<sub>(b)</sub> Range: -90 - 90DEG  
H<sub>(b)</sub> Interval: 0.5DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2024-06-29

V(B) Range: -180 - 180DEG  
V(B) Interval: 0.5DEG  
Test System: EVERFINE G0-2000B\_V1 SYSTEM V2.0.351  
Humidity: 65.0%  
Test Distance: 8.630m [K=1.0000]  
Remarks:

Planar Illuminance Curve

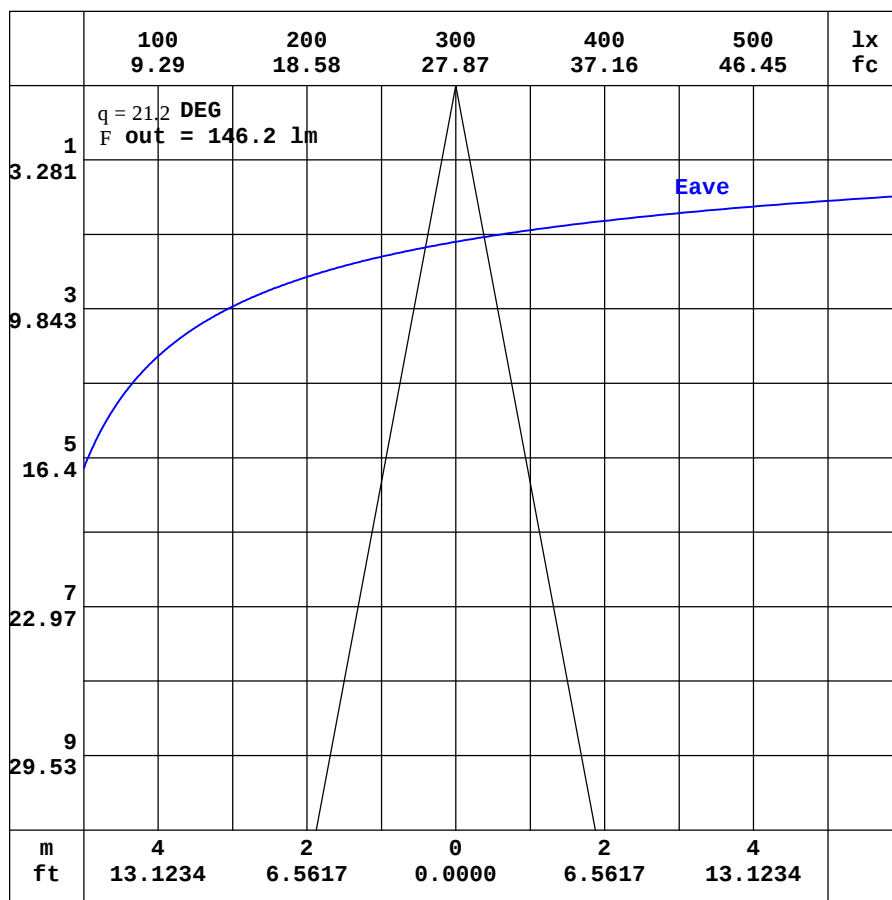


H<sub>(b)</sub> Range: -90 - 90DEG  
H<sub>(b)</sub> Interval: 0.5DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2024-06-29

V(B) Range: -180 - 180DEG  
V(B) Interval: 0.5DEG  
Test System: EVERFINE G0-2000B\_V1 SYSTEM V2.0.351  
Humidity: 65.0%  
Test Distance: 8.630m [K=1.0000]  
Remarks:

## AAI CURVES

|                                               |            |                      |
|-----------------------------------------------|------------|----------------------|
| NAME:Blazeline Mini-600mm-TW-4000K-2040D-Rev1 | TYPE:4000K | WEIGHT:              |
| SPEC.:20X40 DEG                               | DIM.:600mm | SERIAL No.:IES002544 |
| MFR.:                                         | SUR.:      | Shielding Angle:     |



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

$H(b)$  Range:-90 - 90DEG  
 $H(b)$  Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2024-06-29

$V(B)$  Range:-180 - 180DEG  
 $V(B)$  Interval: 0.5DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:8.630m [K=1.0000]  
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

|                                               |            |                      |
|-----------------------------------------------|------------|----------------------|
| NAME:Blazeline Mini-600mm-TW-4000K-2040D-Rev1 | TYPE:4000K | WEIGHT:              |
| SPEC.:20X40 DEG                               | DIM.:600mm | SERIAL No.:IES002544 |
| MFR.:                                         | SUR.:      | Shielding Angle:     |

Table--1

UNIT: cd

| H(°) | -90  | -85  | -80  | -75  | -70  | -65  | -60  | -55  | -50  | -45  | -40  | -35  | -30  | -25  | -20  | -15  | -10  | -5   | 0    |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| V(°) | -90  | -85  | -80  | -75  | -70  | -65  | -60  | -55  | -50  | -45  | -40  | -35  | -30  | -25  | -20  | -15  | -10  | -5   | 0    |
| -180 | 2.76 | 2.52 | 2.38 | 2.38 | 2.46 | 2.66 | 2.97 | 3.37 | 3.80 | 4.24 | 4.63 | 4.94 | 5.15 | 5.20 | 5.16 | 5.00 | 4.84 | 4.74 | 5.04 |
| -170 | 2.76 | 2.48 | 2.31 | 2.26 | 2.28 | 2.39 | 2.57 | 2.81 | 3.08 | 3.34 | 3.58 | 3.77 | 3.90 | 3.95 | 3.90 | 3.91 | 4.19 | 4.41 | 4.63 |
| -160 | 2.76 | 2.45 | 2.24 | 2.14 | 2.09 | 2.10 | 2.15 | 2.23 | 2.32 | 2.38 | 2.44 | 2.49 | 2.56 | 2.98 | 3.38 | 3.75 | 4.07 | 4.26 | 4.39 |
| -150 | 2.76 | 2.42 | 2.18 | 2.03 | 1.92 | 1.84 | 1.78 | 1.71 | 1.63 | 1.53 | 1.45 | 1.68 | 1.97 | 2.28 | 2.60 | 2.90 | 3.14 | 3.31 | 3.39 |
| -140 | 2.76 | 2.41 | 2.12 | 1.93 | 1.77 | 1.63 | 1.49 | 1.33 | 1.13 | 1.06 | 1.11 | 1.20 | 1.33 | 1.48 | 1.64 | 1.82 | 1.97 | 2.07 | 2.11 |
| -130 | 2.76 | 2.39 | 2.10 | 1.85 | 1.66 | 1.47 | 1.29 | 1.08 | 0.98 | 0.95 | 0.93 | 0.90 | 0.89 | 0.90 | 0.95 | 1.01 | 1.06 | 1.09 | 1.10 |
| -120 | 2.76 | 2.39 | 2.08 | 1.81 | 1.58 | 1.37 | 1.15 | 0.99 | 0.98 | 0.96 | 0.93 | 0.89 | 0.84 | 0.80 | 0.78 | 0.76 | 0.75 | 0.73 | 0.72 |
| -110 | 2.76 | 2.41 | 2.09 | 1.80 | 1.54 | 1.30 | 1.07 | 1.00 | 1.01 | 1.02 | 1.01 | 1.00 | 0.99 | 0.96 | 0.94 | 0.92 | 0.90 | 0.88 | 0.87 |
| -100 | 2.76 | 2.43 | 2.12 | 1.82 | 1.54 | 1.27 | 1.02 | 1.01 | 1.02 | 1.03 | 1.04 | 1.05 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 |
| -90  | 2.76 | 2.47 | 2.17 | 1.88 | 1.59 | 1.29 | 1.00 | 1.00 | 1.00 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.98 | 0.98 | 0.98 | 0.98 |
| -80  | 2.76 | 2.51 | 2.24 | 1.98 | 1.72 | 1.41 | 1.04 | 1.05 | 1.08 | 1.11 | 1.14 | 1.15 | 1.16 | 1.16 | 1.16 | 1.15 | 1.14 | 1.12 | 1.09 |
| -70  | 2.76 | 2.57 | 2.47 | 2.37 | 2.16 | 1.95 | 1.74 | 1.81 | 2.03 | 2.23 | 2.40 | 2.52 | 2.56 | 2.66 | 2.77 | 2.84 | 2.86 | 2.84 | 2.78 |
| -60  | 2.76 | 2.67 | 2.83 | 2.83 | 2.95 | 3.11 | 3.25 | 3.49 | 4.14 | 4.71 | 5.17 | 5.51 | 5.70 | 5.83 | 6.13 | 6.31 | 6.36 | 6.26 | 6.03 |
| -50  | 2.76 | 2.82 | 3.14 | 3.53 | 4.16 | 4.93 | 5.76 | 6.39 | 7.29 | 8.57 | 9.76 | 10.7 | 11.4 | 11.6 | 12.2 | 12.7 | 13.0 | 12.9 | 12.4 |
| -40  | 2.76 | 3.05 | 3.51 | 4.40 | 5.72 | 7.39 | 9.19 | 10.9 | 12.3 | 14.5 | 17.3 | 20.0 | 22.4 | 23.9 | 24.2 | 26.4 | 27.7 | 28.0 | 26.8 |
| -30  | 2.76 | 3.22 | 3.94 | 5.38 | 7.52 | 10.3 | 13.5 | 17.0 | 20.9 | 25.0 | 29.8 | 37.5 | 45.7 | 53.2 | 58.3 | 61.0 | 68.0 | 70.6 | 67.6 |
| -20  | 2.76 | 3.36 | 4.35 | 6.34 | 9.33 | 13.4 | 18.3 | 24.5 | 32.3 | 42.5 | 55.7 | 72.5 | 91.6 | 120  | 150  | 174  | 183  | 202  | 198  |
| -10  | 2.76 | 3.48 | 4.69 | 7.16 | 11.0 | 16.3 | 23.1 | 32.3 | 45.1 | 63.8 | 92.2 | 136  | 204  | 289  | 379  | 466  | 558  | 589  | 621  |
| 0    | 2.76 | 3.58 | 4.94 | 7.74 | 12.1 | 18.5 | 26.8 | 38.4 | 55.8 | 82.3 | 125  | 203  | 339  | 542  | 800  | 1068 | 1290 | 1435 | 1493 |
| 10   | 2.76 | 3.56 | 4.89 | 7.57 | 11.7 | 17.7 | 25.6 | 36.6 | 52.7 | 77.3 | 116  | 182  | 290  | 452  | 674  | 922  | 1089 | 1213 | 1222 |
| 20   | 2.76 | 3.51 | 4.73 | 7.11 | 10.7 | 16.0 | 22.7 | 31.8 | 44.7 | 63.5 | 91.4 | 135  | 196  | 261  | 329  | 384  | 415  | 447  | 424  |
| 30   | 2.76 | 3.43 | 4.46 | 6.42 | 9.36 | 13.5 | 18.8 | 25.5 | 34.5 | 46.6 | 62.7 | 79.6 | 98.7 | 119  | 135  | 145  | 160  | 164  | 155  |
| 40   | 2.76 | 3.31 | 4.15 | 5.61 | 7.80 | 10.7 | 14.6 | 19.1 | 24.6 | 30.6 | 36.7 | 43.1 | 48.9 | 53.4 | 56.1 | 61.0 | 63.3 | 62.8 | 59.0 |
| 50   | 2.76 | 3.13 | 3.85 | 4.80 | 6.26 | 8.14 | 10.5 | 13.4 | 16.2 | 18.8 | 21.4 | 23.6 | 25.3 | 26.2 | 27.5 | 28.6 | 29.0 | 28.4 | 27.0 |
| 60   | 2.76 | 3.00 | 3.58 | 4.11 | 4.91 | 5.98 | 7.26 | 8.65 | 9.96 | 11.3 | 12.4 | 13.3 | 13.8 | 14.2 | 14.8 | 15.1 | 15.2 | 15.0 | 14.5 |
| 70   | 2.76 | 2.91 | 3.23 | 3.61 | 3.93 | 4.38 | 4.92 | 5.50 | 6.03 | 6.53 | 6.97 | 7.33 | 7.58 | 7.83 | 8.04 | 8.16 | 8.18 | 8.12 | 7.98 |
| 80   | 2.76 | 2.86 | 2.97 | 3.12 | 3.30 | 3.47 | 3.61 | 3.71 | 3.82 | 3.94 | 4.05 | 4.14 | 4.22 | 4.29 | 4.34 | 4.37 | 4.38 | 4.36 | 4.33 |
| 90   | 2.76 | 2.81 | 2.86 | 2.91 | 2.96 | 3.01 | 3.06 | 3.03 | 3.00 | 2.97 | 2.94 | 2.91 | 2.87 | 2.85 | 2.83 | 2.80 | 2.78 | 2.75 | 2.73 |
| 100  | 2.76 | 2.76 | 2.76 | 2.76 | 2.76 | 2.75 | 2.75 | 2.68 | 2.60 | 2.52 | 2.45 | 2.39 | 2.31 | 2.28 | 2.26 | 2.24 | 2.22 | 2.21 | 2.20 |
| 110  | 2.76 | 2.71 | 2.67 | 2.62 | 2.57 | 2.55 | 2.51 | 2.42 | 2.32 | 2.23 | 2.17 | 2.10 | 2.05 | 2.04 | 2.02 | 2.01 | 2.00 | 1.99 | 1.97 |
| 120  | 2.76 | 2.67 | 2.59 | 2.51 | 2.46 | 2.40 | 2.34 | 2.27 | 2.22 | 2.19 | 2.17 | 2.16 | 2.17 | 2.16 | 2.16 | 2.15 | 2.13 | 2.10 | 2.06 |
| 130  | 2.76 | 2.63 | 2.52 | 2.44 | 2.38 | 2.34 | 2.30 | 2.29 | 2.33 | 2.39 | 2.47 | 2.55 | 2.63 | 2.72 | 2.81 | 2.89 | 2.95 | 2.98 | 2.96 |
| 140  | 2.76 | 2.60 | 2.47 | 2.40 | 2.36 | 2.34 | 2.37 | 2.47 | 2.63 | 2.81 | 3.02 | 3.24 | 3.48 | 3.72 | 3.95 | 4.18 | 4.36 | 4.49 | 4.54 |
| 150  | 2.76 | 2.57 | 2.44 | 2.38 | 2.36 | 2.41 | 2.54 | 2.75 | 3.01 | 3.32 | 3.65 | 4.00 | 4.35 | 4.68 | 4.97 | 5.20 | 5.37 | 5.48 | 5.53 |
| 160  | 2.76 | 2.55 | 2.41 | 2.37 | 2.39 | 2.50 | 2.71 | 3.02 | 3.38 | 3.77 | 4.18 | 4.57 | 4.92 | 5.23 | 5.46 | 5.64 | 5.79 | 5.86 | 5.94 |
| 170  | 2.76 | 2.53 | 2.39 | 2.38 | 2.43 | 2.60 | 2.87 | 3.24 | 3.66 | 4.09 | 4.51 | 4.87 | 5.16 | 5.35 | 5.44 | 5.49 | 5.49 | 5.59 | 5.87 |
| 180  | 2.76 | 2.52 | 2.38 | 2.38 | 2.46 | 2.66 | 2.97 | 3.37 | 3.80 | 4.24 | 4.63 | 4.94 | 5.15 | 5.20 | 5.16 | 5.00 | 4.84 | 4.74 | 5.09 |

H<sub>(b)</sub> Range:-90 - 90DEG  
H<sub>(b)</sub> Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2024-06-29

V(B) Range:-180 - 180DEG  
V(B) Interval: 0.5DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:8.630m [K=1.0000]  
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

|                                               |            |                      |
|-----------------------------------------------|------------|----------------------|
| NAME:Blazeline Mini-600mm-TW-4000K-2040D-Rev1 | TYPE:4000K | WEIGHT:              |
| SPEC.:20X40 DEG                               | DIM.:600mm | SERIAL No.:IES002544 |
| MFR.:                                         | SUR.:      | Shielding Angle:     |

Table--2

UNIT: cd

| H(°)\V(°) | 5    | 10   | 15   | 20   | 25   | 30   | 35   | 40   | 45   | 50   | 55   | 60   | 65   | 70   | 75   | 80   | 85   | 90   |  |
|-----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| -180      | 4.29 | 3.98 | 3.72 | 3.43 | 3.09 | 2.70 | 2.31 | 1.94 | 1.63 | 1.38 | 1.21 | 1.09 | 1.05 | 1.01 | 0.99 | 0.94 | 0.86 | 0.80 |  |
| -170      | 4.41 | 4.20 | 3.91 | 3.58 | 3.24 | 2.82 | 2.38 | 1.97 | 1.63 | 1.37 | 1.20 | 1.09 | 1.05 | 1.02 | 1.00 | 0.95 | 0.87 | 0.80 |  |
| -160      | 4.25 | 4.06 | 3.75 | 3.40 | 3.03 | 2.65 | 2.22 | 1.84 | 1.52 | 1.30 | 1.15 | 1.07 | 1.04 | 1.02 | 1.00 | 0.95 | 0.87 | 0.80 |  |
| -150      | 3.32 | 3.18 | 2.95 | 2.68 | 2.37 | 2.07 | 1.79 | 1.56 | 1.35 | 1.19 | 1.10 | 1.06 | 1.03 | 1.02 | 1.00 | 0.94 | 0.86 | 0.80 |  |
| -140      | 2.09 | 2.02 | 1.90 | 1.75 | 1.59 | 1.44 | 1.32 | 1.21 | 1.15 | 1.10 | 1.06 | 1.04 | 1.03 | 1.02 | 0.99 | 0.94 | 0.85 | 0.80 |  |
| -130      | 1.12 | 1.12 | 1.10 | 1.06 | 1.02 | 1.00 | 1.00 | 1.01 | 1.03 | 1.04 | 1.05 | 1.04 | 1.03 | 1.01 | 0.98 | 0.92 | 0.85 | 0.80 |  |
| -120      | 0.75 | 0.78 | 0.81 | 0.85 | 0.88 | 0.91 | 0.96 | 0.99 | 1.02 | 1.04 | 1.05 | 1.04 | 1.03 | 1.00 | 0.96 | 0.90 | 0.83 | 0.80 |  |
| -110      | 0.89 | 0.92 | 0.95 | 0.97 | 1.01 | 1.03 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.04 | 1.01 | 0.97 | 0.92 | 0.87 | 0.82 | 0.80 |  |
| -100      | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 | 1.05 | 1.04 | 1.04 | 1.03 | 1.01 | 1.00 | 0.99 | 0.95 | 0.92 | 0.88 | 0.84 | 0.82 | 0.80 |  |
| -90       | 0.97 | 0.96 | 0.95 | 0.94 | 0.93 | 0.91 | 0.91 | 0.91 | 0.91 | 0.90 | 0.90 | 0.90 | 0.88 | 0.87 | 0.85 | 0.83 | 0.82 | 0.80 |  |
| -80       | 1.10 | 1.11 | 1.10 | 1.09 | 1.07 | 1.05 | 1.06 | 1.05 | 1.02 | 1.00 | 0.95 | 0.91 | 0.91 | 0.92 | 0.91 | 0.88 | 0.82 | 0.80 |  |
| -70       | 2.84 | 2.85 | 2.82 | 2.74 | 2.62 | 2.53 | 2.54 | 2.44 | 2.27 | 2.06 | 1.83 | 1.58 | 1.38 | 1.19 | 1.04 | 0.97 | 0.88 | 0.80 |  |
| -60       | 6.30 | 6.44 | 6.43 | 6.27 | 5.94 | 5.92 | 5.85 | 5.55 | 5.09 | 4.52 | 3.79 | 3.09 | 2.46 | 1.87 | 1.39 | 1.07 | 0.94 | 0.80 |  |
| -50       | 13.0 | 13.3 | 13.2 | 12.7 | 12.2 | 12.3 | 11.8 | 10.9 | 9.65 | 8.25 | 6.87 | 5.55 | 4.15 | 2.93 | 1.94 | 1.28 | 0.99 | 0.80 |  |
| -40       | 28.5 | 28.8 | 27.8 | 25.8 | 26.3 | 25.2 | 22.8 | 19.8 | 16.7 | 13.9 | 11.2 | 8.75 | 6.38 | 4.27 | 2.67 | 1.53 | 1.01 | 0.80 |  |
| -30       | 72.5 | 71.2 | 65.1 | 64.5 | 60.6 | 52.9 | 43.9 | 35.1 | 28.1 | 22.1 | 16.9 | 12.6 | 8.94 | 5.77 | 3.42 | 1.81 | 1.05 | 0.80 |  |
| -20       | 209  | 193  | 192  | 171  | 140  | 109  | 84.9 | 62.7 | 45.6 | 32.9 | 23.6 | 16.7 | 11.5 | 7.24 | 4.13 | 2.08 | 1.09 | 0.80 |  |
| -10       | 610  | 598  | 517  | 430  | 334  | 237  | 157  | 103  | 66.8 | 44.7 | 30.3 | 20.6 | 13.7 | 8.47 | 4.69 | 2.28 | 1.12 | 0.80 |  |
| 0         | 1466 | 1349 | 1143 | 881  | 613  | 389  | 233  | 140  | 84.5 | 53.8 | 35.2 | 23.2 | 15.1 | 9.20 | 5.00 | 2.39 | 1.13 | 0.80 |  |
| 10        | 1227 | 1114 | 954  | 697  | 465  | 299  | 188  | 119  | 76.0 | 50.1 | 33.5 | 22.5 | 14.8 | 9.13 | 5.06 | 2.47 | 1.19 | 0.80 |  |
| 20        | 444  | 408  | 378  | 318  | 245  | 179  | 125  | 86.7 | 60.2 | 41.9 | 29.1 | 20.1 | 13.6 | 8.46 | 4.82 | 2.43 | 1.23 | 0.80 |  |
| 30        | 162  | 157  | 142  | 130  | 112  | 91.9 | 73.8 | 58.2 | 43.7 | 32.2 | 23.4 | 16.8 | 11.6 | 7.39 | 4.38 | 2.31 | 1.26 | 0.80 |  |
| 40        | 62.6 | 62.9 | 60.5 | 55.5 | 51.8 | 46.8 | 40.9 | 34.8 | 29.0 | 23.2 | 17.7 | 13.2 | 9.28 | 6.13 | 3.80 | 2.15 | 1.27 | 0.80 |  |
| 50        | 28.3 | 28.8 | 28.4 | 27.3 | 25.8 | 24.7 | 22.9 | 20.6 | 18.1 | 15.5 | 12.7 | 9.66 | 7.00 | 4.86 | 3.15 | 1.96 | 1.28 | 0.80 |  |
| 60        | 14.9 | 15.1 | 15.1 | 14.7 | 14.1 | 13.6 | 13.0 | 12.1 | 11.0 | 9.72 | 8.36 | 6.71 | 5.11 | 3.72 | 2.62 | 1.79 | 1.26 | 0.80 |  |
| 70        | 8.11 | 8.15 | 8.11 | 7.98 | 7.75 | 7.48 | 7.18 | 6.80 | 6.33 | 5.81 | 5.29 | 4.60 | 3.70 | 2.90 | 2.23 | 1.70 | 1.21 | 0.80 |  |
| 80        | 4.34 | 4.33 | 4.29 | 4.24 | 4.16 | 4.07 | 3.98 | 3.88 | 3.77 | 3.65 | 3.54 | 3.39 | 2.91 | 2.45 | 2.01 | 1.57 | 1.15 | 0.80 |  |
| 90        | 2.72 | 2.72 | 2.72 | 2.71 | 2.71 | 2.71 | 2.73 | 2.75 | 2.78 | 2.80 | 2.82 | 2.84 | 2.50 | 2.16 | 1.82 | 1.48 | 1.14 | 0.80 |  |
| 100       | 2.20 | 2.20 | 2.20 | 2.21 | 2.22 | 2.24 | 2.28 | 2.33 | 2.38 | 2.43 | 2.48 | 2.51 | 2.27 | 2.01 | 1.73 | 1.43 | 1.13 | 0.80 |  |
| 110       | 1.98 | 2.00 | 2.01 | 2.02 | 2.03 | 2.04 | 2.08 | 2.11 | 2.16 | 2.22 | 2.28 | 2.27 | 2.08 | 1.88 | 1.65 | 1.39 | 1.10 | 0.80 |  |
| 120       | 2.10 | 2.13 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.16 | 2.18 | 2.22 | 2.10 | 1.93 | 1.76 | 1.57 | 1.35 | 1.08 | 0.80 |  |
| 130       | 2.99 | 2.98 | 2.93 | 2.85 | 2.75 | 2.66 | 2.56 | 2.47 | 2.38 | 2.31 | 2.17 | 1.97 | 1.80 | 1.65 | 1.48 | 1.30 | 1.06 | 0.80 |  |
| 140       | 4.51 | 4.41 | 4.25 | 4.03 | 3.79 | 3.55 | 3.29 | 3.05 | 2.82 | 2.52 | 2.15 | 1.87 | 1.69 | 1.54 | 1.40 | 1.24 | 1.03 | 0.80 |  |
| 150       | 5.51 | 5.45 | 5.31 | 5.08 | 4.78 | 4.43 | 4.07 | 3.71 | 3.09 | 2.52 | 2.08 | 1.77 | 1.55 | 1.42 | 1.31 | 1.17 | 0.99 | 0.80 |  |
| 160       | 5.95 | 5.93 | 5.80 | 5.61 | 5.36 | 5.03 | 4.29 | 3.54 | 2.88 | 2.34 | 1.91 | 1.60 | 1.42 | 1.30 | 1.21 | 1.10 | 0.95 | 0.80 |  |
| 170       | 5.88 | 5.86 | 5.79 | 5.38 | 4.76 | 4.13 | 3.49 | 2.90 | 2.37 | 1.94 | 1.61 | 1.38 | 1.25 | 1.16 | 1.10 | 1.02 | 0.91 | 0.80 |  |
| 180       | 4.29 | 3.98 | 3.72 | 3.43 | 3.09 | 2.70 | 2.31 | 1.94 | 1.63 | 1.38 | 1.21 | 1.09 | 1.05 | 1.01 | 0.99 | 0.94 | 0.86 | 0.80 |  |

H<sub>(b)</sub> Range:-90 - 90DEG  
H<sub>(b)</sub> Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2024-06-29

V(B) Range:-180 - 180DEG  
V(B) Interval: 0.5DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:8.630m [K=1.0000]  
Remarks: