

**Floodlight Summary:**

Report based on lamp delivering 1000 lumens.

|                                    |                        |
|------------------------------------|------------------------|
| Maximum Intensity                  | 56325.0 cd per klm.    |
| (Luminaire orientation as tested.) | 0.0 degrees vertical   |
|                                    | 0.0 degrees horizontal |

|             |                |               |
|-------------|----------------|---------------|
| Beam Spread | At 10% of Imax | 15.0V x 15.2H |
|             | At 50% of Imax | 8.4V x 8.7H   |
|             | At 90% of Imax | 3.5V x 4.1H   |

|           |                |                        |
|-----------|----------------|------------------------|
| Beam Flux | Total          | 2241.0 lumens per klm. |
|           | To 10% of Imax | 1233.5 lumens per klm. |
|           | To 50% of Imax | 750.7 lumens per klm.  |
|           | To 90% of Imax | 187.6 lumens per klm.  |

|              |         |
|--------------|---------|
| Upward LOR   | 0.0 %   |
| Downward LOR | 224.1 % |

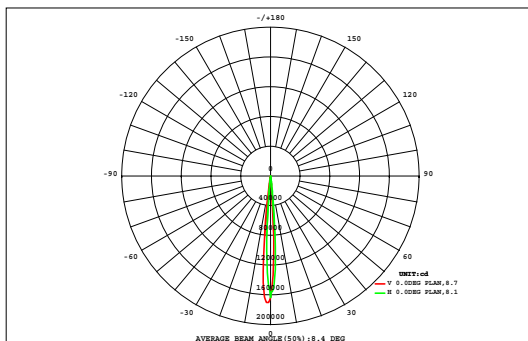
|                                           |         |
|-------------------------------------------|---------|
| Luminaire Efficiency (Light Output Ratio) | 223.2 % |
|-------------------------------------------|---------|

**H( $\beta$ ) Range: -90 - 90DEG**  
**H( $\beta$ ) Interval: 0.5DEG**  
**Test Speed: HIGH**  
**Temperature: 25.3DEG**  
**Operators: Kevin**  
**Test Date: 28 July 2025**

**V(B) Range: -90 - 90DEG**  
**V(B) Interval: 0.5DEG**  
**Test System: EVERFINE 60-2000A\_V1 SYSTEM V2.0.353**  
**Humidity: 65.0%**  
**Test Distance: 9.060m [K=1.0000]**  
**Remarks:**

## LUMINAIRE PHOTOMETRIC TEST REPORT

|                                                                                 |            |                  |
|---------------------------------------------------------------------------------|------------|------------------|
| Test:U:219.8V I:0.3316A P:71.91W PF:0.9865 Freq:49.99Hz Lamp Flux:251.966x12 lm |            |                  |
| NAME:Auroring-254mm-3000K-8D-Rev1                                               | TYPE:3000K | WEIGHT:          |
| SPEC.:8 DEG                                                                     | DIA.:254mm | SERIAL No.:      |
| MFR.:Luminoscope                                                                | SUR.:      | Shielding Angle: |



| DATA OF LAMP      |         | Eff:93.87lm/W    |        |
|-------------------|---------|------------------|--------|
| MODEL             |         | Imax (cd)        | 170304 |
| NOMINAL POWER (W) | 72      | AVAILABILITY (%) | 122.7  |
| RATED VOLTAGE (V) | 220     | Avai. FLUX (lm)  | 3710   |
| NOMINAL FLUX (lm) | 251.966 | LOR (%)          | 223.2  |
| LAMPS INSIDE      | 12      | TOTAL FLUX (lm)  | 6750   |
| TEST VOLTAGE (V)  | 220     | θ @50% (H,V)     | 9,8DEG |

| VERTICAL (DEG)                                                           | AREA FLUX DIAGRAM |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | UNIT:lm |      | Φ t  | Φ a  |
|--------------------------------------------------------------------------|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---------|------|------|------|
|                                                                          | 0.00              | 0.00 | 0.01 | 0.02 | 0.03 | 0.06 | 0.08 | 0.11 | 0.14 | 0.15 | 0.14 | 0.13 | 0.11 | 0.08 | 0.05 | 0.03 | 0.01    | 0.00 | 1.15 | 0.00 |
| 90                                                                       | 0.00              | 0.01 | 0.06 | 0.17 | 0.39 | 0.71 | 1.06 | 1.36 | 1.58 | 1.64 | 1.53 | 1.31 | 0.99 | 0.64 | 0.35 | 0.15 | 0.04    | 0.01 | 12.0 | 0.00 |
| 80                                                                       | 0.00              | 0.04 | 0.21 | 0.67 | 1.39 | 2.25 | 3.07 | 3.74 | 4.18 | 4.26 | 3.96 | 3.39 | 2.62 | 1.78 | 1.00 | 0.41 | 0.10    | 0.01 | 33.1 | 0.00 |
| 70                                                                       | 0.00              | 0.08 | 0.50 | 1.39 | 2.62 | 4.04 | 5.52 | 6.65 | 7.31 | 7.40 | 6.90 | 5.90 | 4.51 | 3.05 | 1.77 | 0.77 | 0.18    | 0.01 | 58.6 | 0.00 |
| 60                                                                       | 0.01              | 0.15 | 0.84 | 2.13 | 3.95 | 6.03 | 7.86 | 9.50 | 10.6 | 10.8 | 9.84 | 8.22 | 6.42 | 4.45 | 2.53 | 1.13 | 0.29    | 0.02 | 84.7 | 0.00 |
| 50                                                                       | 0.01              | 0.23 | 1.17 | 2.85 | 5.20 | 7.71 | 10.8 | 14.0 | 16.6 | 17.0 | 14.8 | 11.5 | 8.27 | 5.62 | 3.30 | 1.45 | 0.39    | 0.02 | 121  | 0.00 |
| 40                                                                       | 0.01              | 0.31 | 1.44 | 3.50 | 6.18 | 9.80 | 15.1 | 23.9 | 33.1 | 34.5 | 26.7 | 16.9 | 10.7 | 6.66 | 3.94 | 1.74 | 0.47    | 0.03 | 195  | 0.00 |
| 30                                                                       | 0.01              | 0.37 | 1.64 | 3.96 | 7.03 | 11.9 | 22.4 | 45.0 | 78.5 | 86.4 | 53.0 | 26.9 | 13.4 | 7.66 | 4.37 | 1.95 | 0.53    | 0.03 | 365  | 0.00 |
| 20                                                                       | 0.02              | 0.40 | 1.74 | 4.21 | 7.61 | 13.6 | 30.1 | 76.4 | 677  | 1279 | 105  | 37.1 | 15.7 | 8.35 | 4.63 | 2.07 | 0.56    | 0.04 | 2263 | 1677 |
| 10                                                                       | 0.02              | 0.40 | 1.74 | 4.19 | 7.58 | 13.5 | 30.0 | 78.3 | 770  | 1551 | 115  | 38.6 | 16.0 | 8.45 | 4.66 | 2.07 | 0.56    | 0.04 | 2643 | 2033 |
| 0                                                                        | 0.01              | 0.36 | 1.62 | 3.92 | 6.96 | 11.9 | 22.9 | 49.6 | 97.3 | 113  | 62.4 | 29.2 | 14.0 | 7.92 | 4.45 | 1.97 | 0.53    | 0.03 | 427  | 0.00 |
| -10                                                                      | 0.01              | 0.31 | 1.40 | 3.45 | 6.18 | 9.93 | 15.7 | 26.2 | 38.4 | 40.8 | 30.5 | 18.5 | 11.3 | 6.95 | 4.04 | 1.78 | 0.48    | 0.03 | 216  | 0.00 |
| -20                                                                      | 0.01              | 0.23 | 1.13 | 2.83 | 5.24 | 7.91 | 11.3 | 15.0 | 18.1 | 18.7 | 16.1 | 12.4 | 8.79 | 5.86 | 3.40 | 1.50 | 0.39    | 0.02 | 129  | 0.00 |
| -30                                                                      | 0.01              | 0.15 | 0.82 | 2.12 | 4.00 | 6.17 | 8.22 | 10.1 | 11.5 | 11.6 | 10.6 | 8.81 | 6.74 | 4.63 | 2.61 | 1.16 | 0.29    | 0.02 | 89.6 | 0.00 |
| -40                                                                      | 0.00              | 0.08 | 0.49 | 1.39 | 2.68 | 4.20 | 5.78 | 7.02 | 7.75 | 7.84 | 7.29 | 6.22 | 4.75 | 3.19 | 1.81 | 0.79 | 0.19    | 0.01 | 61.5 | 0.00 |
| -50                                                                      | 0.00              | 0.03 | 0.21 | 0.68 | 1.44 | 2.33 | 3.22 | 4.01 | 4.48 | 4.57 | 4.26 | 3.61 | 2.78 | 1.89 | 1.05 | 0.43 | 0.10    | 0.01 | 35.1 | 0.00 |
| -60                                                                      | 0.00              | 0.01 | 0.05 | 0.18 | 0.43 | 0.78 | 1.18 | 1.54 | 1.77 | 1.84 | 1.74 | 1.47 | 1.11 | 0.73 | 0.39 | 0.15 | 0.04    | 0.01 | 13.4 | 0.00 |
| -70                                                                      | 0.00              | 0.00 | 0.01 | 0.02 | 0.04 | 0.07 | 0.10 | 0.15 | 0.18 | 0.19 | 0.19 | 0.17 | 0.13 | 0.10 | 0.06 | 0.03 | 0.01    | 0.00 | 1.44 | 0.00 |
| -80                                                                      | 0.00              | 0.00 | 0.01 | 0.02 | 0.04 | 0.07 | 0.10 | 0.15 | 0.18 | 0.19 | 0.19 | 0.17 | 0.13 | 0.10 | 0.06 | 0.03 | 0.01    | 0.00 | 1.44 | 0.00 |
| -90                                                                      | 0.00              | 0.00 | 0.01 | 0.02 | 0.04 | 0.07 | 0.10 | 0.15 | 0.18 | 0.19 | 0.19 | 0.17 | 0.13 | 0.10 | 0.06 | 0.03 | 0.01    | 0.00 | 1.44 | 0.00 |
| -90 -80 -70 -60 -50 -40 -30 -20 HORIZONTAL (DEG) 20 30 40 50 60 70 80 90 |                   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |         |      |      |      |
| Φ t                                                                      | 0.13              | 3.16 | 15.1 | 37.7 | 68.9 | 113  | 194  | 373  | 1778 | 3190 | 471  | 230  | 128  | 78.0 | 44.4 | 19.6 | 5.17    | 0.35 | 6750 | ---  |
| Φ a                                                                      | 0.00              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1133 | 2577 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | ---  | 3710 |

one-half-peak spread: U:4.7,D:3.8 , L:3.9,R:4.8

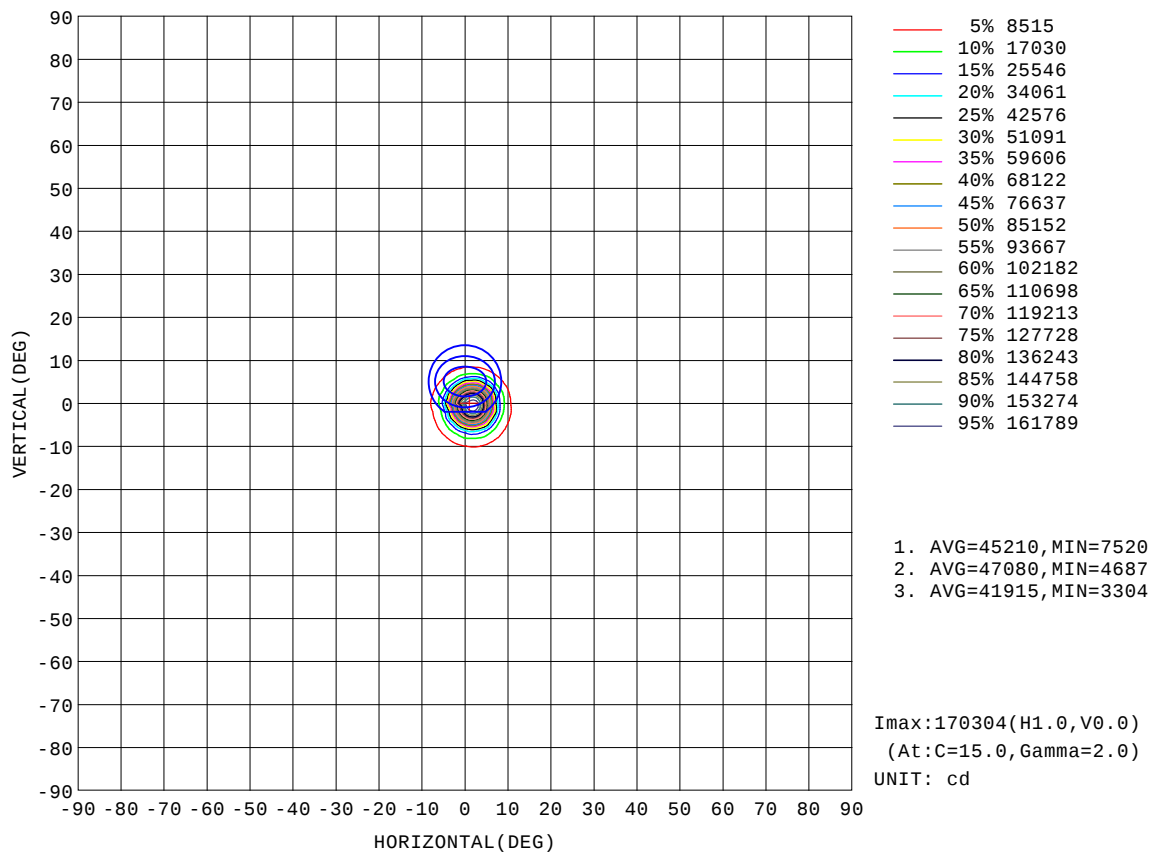
NEMA Beam Type: Type 1

**H(β) Range:-90 - 90DEG**  
**H(β) Interval: 0.5DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:Kevin**  
**Test Date:28 July 2025**

**V(B) Range:-90 - 90DEG**  
**V(B) Interval: 0.5DEG**  
**Test System:EVERFINE 60-2000A\_V1 SYSTEM V2.0.353**  
**Humidity:65.0%**  
**Test Distance:9.060m [K=1.0000]**  
**Remarks:**

## ISOCANDELA DIAGRAM

|                                                                                 |            |                  |
|---------------------------------------------------------------------------------|------------|------------------|
| Test:U:219.8V I:0.3316A P:71.91W PF:0.9865 Freq:49.99Hz Lamp Flux:251.966x12 lm |            |                  |
| NAME:Auroring-254mm-3000K-8D-Rev1                                               | TYPE:3000K | WEIGHT:          |
| SPEC.:8 DEG                                                                     | DIA.:254mm | SERIAL No.:      |
| MFR.:Luminoscape                                                                | SUR.:      | Shielding Angle: |

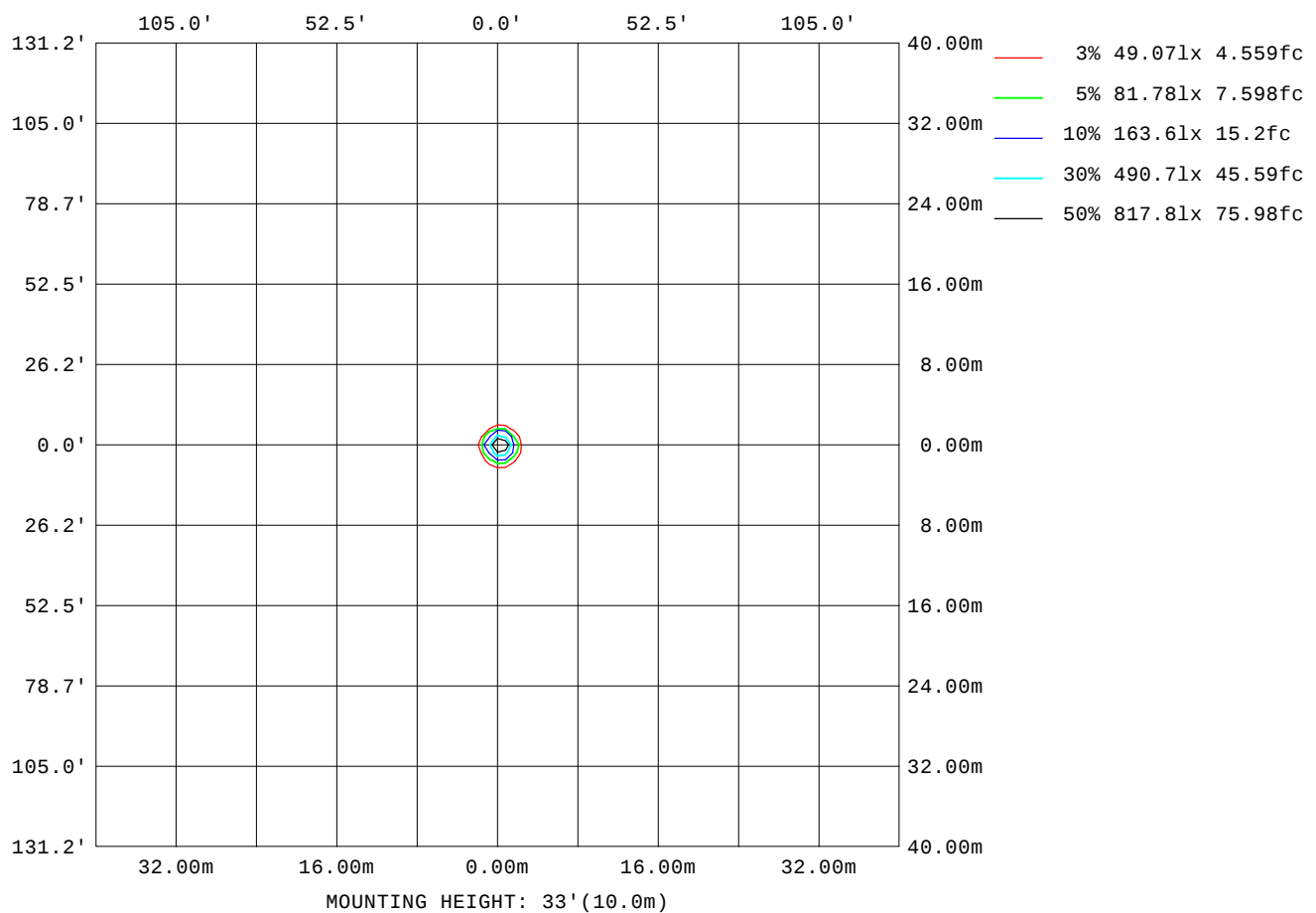


**H( $\beta$ ) Range:-90 - 90DEG**  
**H( $\beta$ ) Interval: 0.5DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:Kevin**  
**Test Date:28 July 2025**

**V(B) Range:-90 - 90DEG**  
**V(B) Interval: 0.5DEG**  
**Test System:EVERFINE 60-2000A\_V1 SYSTEM V2.0.353**  
**Humidity:65.0%**  
**Test Distance:9.060m [K=1.0000]**  
**Remarks:**

# ISOLUX DIAGRAM

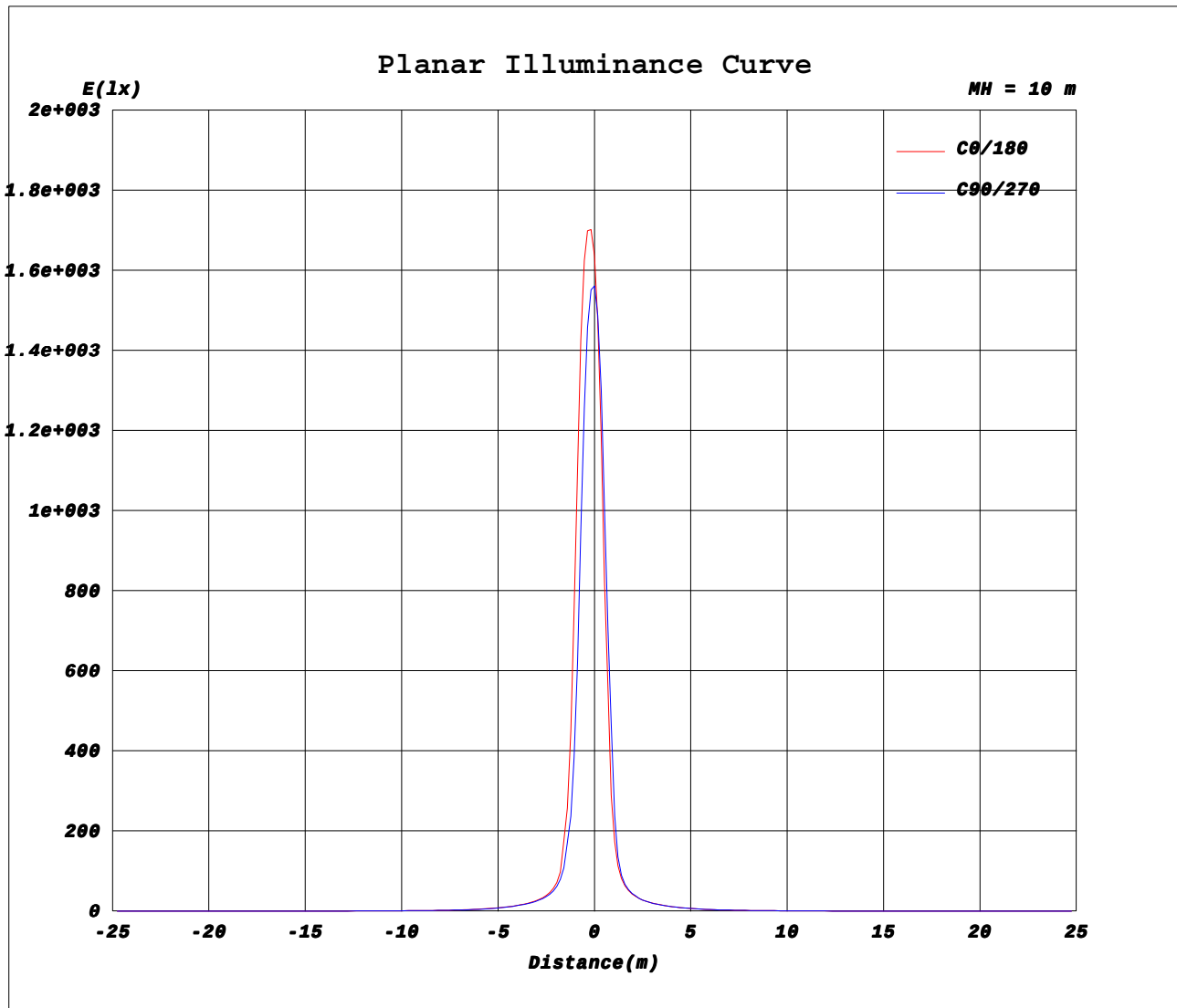
|                                                                                 |            |                  |
|---------------------------------------------------------------------------------|------------|------------------|
| Test:U:219.8V I:0.3316A P:71.91W PF:0.9865 Freq:49.99Hz Lamp Flux:251.966x12 lm |            |                  |
| NAME:Auroring-254mm-3000K-8D-Rev1                                               | TYPE:3000K | WEIGHT:          |
| SPEC.:8 DEG                                                                     | DIA.:254mm | SERIAL No.:      |
| MFR.:Luminoscape                                                                | SUR.:      | Shielding Angle: |



**H( $\beta$ ) Range:-90 - 90DEG**  
**H( $\beta$ ) Interval: 0.5DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:Kevin**  
**Test Date:28 July 2025**

**V(B) Range:-90 - 90DEG**  
**V(B) Interval: 0.5DEG**  
**Test System:EVERFINE 60-2000A\_V1 SYSTEM V2.0.353**  
**Humidity:65.0%**  
**Test Distance:9.060m [K=1.0000]**  
**Remarks:**

## Planar Illuminance Curve

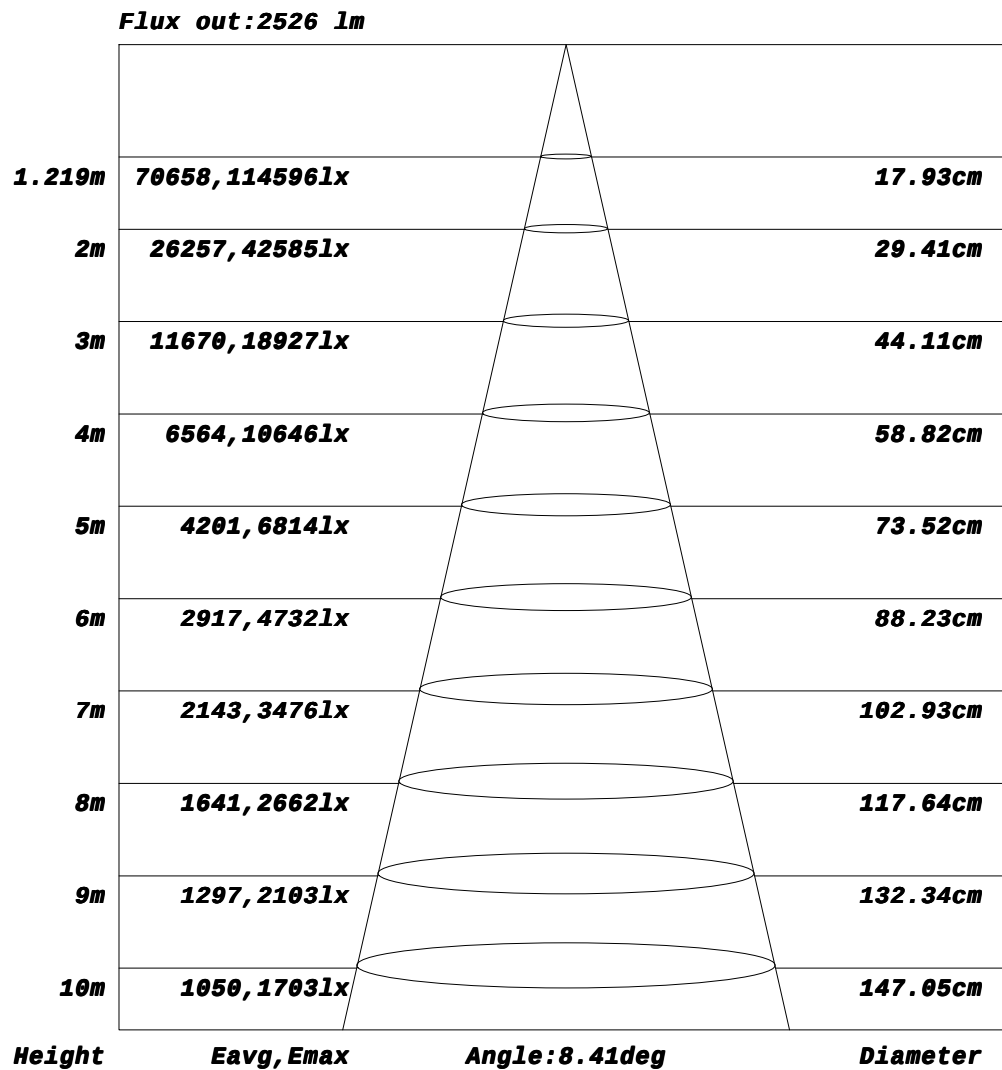


H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 0.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Kevin  
Test Date:28 July 2025

V( $\beta$ ) Range:-90 - 90DEG  
V( $\beta$ ) Interval: 0.5DEG  
Test System:EVERFINE G0-2000A\_V1 SYSTEM V2.0.353  
Humidity:65.0%  
Test Distance:9.060m [K=1.0000]  
Remarks:

**AAI Figure**

|                                                                                 |            |                  |
|---------------------------------------------------------------------------------|------------|------------------|
| Test:U:219.8V I:0.3316A P:71.91W PF:0.9865 Freq:49.99Hz Lamp Flux:251.966x12 lm |            |                  |
| NAME:Auroring-254mm-3000K-8D-Rev1                                               | TYPE:3000K | WEIGHT:          |
| SPEC.:8 DEG                                                                     | DIA.:254mm | SERIAL No.:      |
| MFR.:Luminoscape                                                                | SUR.:      | Shielding Angle: |



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

**H(β) Range:-90 - 90DEG**  
**H(β) Interval: 0.5DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:Kevin**  
**Test Date:28 July 2025**

**V(B) Range:-90 - 90DEG**  
**V(B) Interval: 0.5DEG**  
**Test System:EVERFINE 60-2000A\_V1 SYSTEM V2.0.353**  
**Humidity:65.0%**  
**Test Distance:9.060m [K=1.0000]**  
**Remarks:**

**LUMINOUS DISTRIBUTION INTENSITY DATA**

|                                                                                 |            |                  |
|---------------------------------------------------------------------------------|------------|------------------|
| Test:U:219.8V I:0.3316A P:71.91W PF:0.9865 Freq:49.99Hz Lamp Flux:251.966x12 lm |            |                  |
| NAME:Auroring-254mm-3000K-8D-Rev1                                               | TYPE:3000K | WEIGHT:          |
| SPEC.:8 DEG                                                                     | DIA.:254mm | SERIAL No.:      |
| MFR.:Luminoscape                                                                | SUR.:      | Shielding Angle: |

Table--1

UNIT: ×100cd

| H (DEG)<br>V (DEG) | -90  | -85  | -80  | -75  | -70  | -65  | -60  | -55  | -50  | -45  | -40  | -35  | -30  | -25  | -20  | -15  | -10  | -5   | 0    |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| -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 |
| -85                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | 0.02 | 0.02 | 0.02 | 0.03 | 0.03 | 0.03 | 0.03 |
| -80                | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 | 0.02 | 0.03 | 0.04 | 0.06 | 0.08 | 0.10 | 0.12 | 0.14 | 0.17 | 0.19 | 0.21 | 0.22 | 0.23 |
| -75                | 0.00 | 0.00 | 0.01 | 0.01 | 0.02 | 0.04 | 0.06 | 0.09 | 0.13 | 0.18 | 0.24 | 0.30 | 0.36 | 0.42 | 0.47 | 0.51 | 0.55 | 0.57 | 0.58 |
| -70                | 0.00 | 0.00 | 0.01 | 0.02 | 0.04 | 0.08 | 0.13 | 0.21 | 0.30 | 0.40 | 0.50 | 0.59 | 0.68 | 0.77 | 0.85 | 0.91 | 0.97 | 1.01 | 1.03 |
| -65                | 0.00 | 0.00 | 0.01 | 0.03 | 0.07 | 0.15 | 0.25 | 0.37 | 0.52 | 0.66 | 0.81 | 0.93 | 1.05 | 1.16 | 1.26 | 1.36 | 1.42 | 1.46 | 1.49 |
| -60                | 0.00 | 0.01 | 0.02 | 0.05 | 0.13 | 0.24 | 0.40 | 0.58 | 0.76 | 0.95 | 1.13 | 1.29 | 1.45 | 1.61 | 1.75 | 1.87 | 1.96 | 2.02 | 2.05 |
| -55                | 0.00 | 0.01 | 0.03 | 0.08 | 0.19 | 0.36 | 0.57 | 0.79 | 1.01 | 1.24 | 1.45 | 1.68 | 1.90 | 2.11 | 2.28 | 2.41 | 2.51 | 2.58 | 2.62 |
| -50                | 0.00 | 0.01 | 0.04 | 0.12 | 0.27 | 0.49 | 0.74 | 1.00 | 1.26 | 1.53 | 1.81 | 2.10 | 2.36 | 2.56 | 2.72 | 2.86 | 2.98 | 3.07 | 3.12 |
| -45                | 0.00 | 0.01 | 0.05 | 0.16 | 0.35 | 0.62 | 0.90 | 1.20 | 1.51 | 1.84 | 2.20 | 2.49 | 2.72 | 2.96 | 3.20 | 3.43 | 3.63 | 3.77 | 3.83 |
| -40                | 0.00 | 0.01 | 0.06 | 0.20 | 0.45 | 0.74 | 1.06 | 1.40 | 1.77 | 2.18 | 2.52 | 2.79 | 3.11 | 3.47 | 3.82 | 4.15 | 4.42 | 4.61 | 4.70 |
| -35                | 0.00 | 0.02 | 0.08 | 0.25 | 0.53 | 0.85 | 1.20 | 1.60 | 2.03 | 2.45 | 2.77 | 3.15 | 3.59 | 4.07 | 4.53 | 5.01 | 5.48 | 5.82 | 5.99 |
| -30                | 0.00 | 0.02 | 0.09 | 0.29 | 0.61 | 0.97 | 1.34 | 1.79 | 2.26 | 2.66 | 3.05 | 3.55 | 4.12 | 4.74 | 5.46 | 6.33 | 7.35 | 8.17 | 8.57 |
| -25                | 0.00 | 0.02 | 0.10 | 0.34 | 0.69 | 1.07 | 1.48 | 1.96 | 2.45 | 2.84 | 3.35 | 3.96 | 4.66 | 5.56 | 6.88 | 8.62 | 10.7 | 12.5 | 13.3 |
| -20                | 0.00 | 0.02 | 0.12 | 0.37 | 0.75 | 1.15 | 1.60 | 2.11 | 2.58 | 3.02 | 3.63 | 4.34 | 5.24 | 6.66 | 8.96 | 12.2 | 15.6 | 19.1 | 21.1 |
| -15                | 0.00 | 0.02 | 0.13 | 0.41 | 0.80 | 1.22 | 1.70 | 2.25 | 2.70 | 3.19 | 3.88 | 4.70 | 5.87 | 7.98 | 11.6 | 16.5 | 22.7 | 30.1 | 35.4 |
| -10                | 0.00 | 0.02 | 0.14 | 0.43 | 0.84 | 1.28 | 1.77 | 2.35 | 2.80 | 3.36 | 4.10 | 5.00 | 6.49 | 9.40 | 14.1 | 21.2 | 32.7 | 53.7 | 83.5 |
| -5                 | 0.00 | 0.02 | 0.14 | 0.45 | 0.87 | 1.31 | 1.82 | 2.42 | 2.87 | 3.48 | 4.27 | 5.29 | 7.12 | 10.6 | 16.1 | 25.0 | 44.7 | 135  | 632  |
| 0                  | 0.00 | 0.02 | 0.14 | 0.45 | 0.88 | 1.33 | 1.84 | 2.45 | 2.91 | 3.54 | 4.37 | 5.45 | 7.48 | 11.3 | 17.4 | 27.8 | 54.3 | 293  | 1636 |
| 5                  | 0.00 | 0.02 | 0.14 | 0.45 | 0.87 | 1.32 | 1.83 | 2.43 | 2.89 | 3.49 | 4.29 | 5.33 | 7.18 | 10.7 | 16.1 | 24.7 | 43.2 | 100  | 474  |
| 10                 | 0.00 | 0.02 | 0.14 | 0.43 | 0.85 | 1.29 | 1.78 | 2.37 | 2.82 | 3.38 | 4.12 | 5.06 | 6.57 | 9.38 | 13.7 | 19.8 | 28.8 | 43.6 | 56.9 |
| 15                 | 0.00 | 0.02 | 0.13 | 0.41 | 0.81 | 1.24 | 1.71 | 2.28 | 2.73 | 3.23 | 3.90 | 4.72 | 5.87 | 7.88 | 11.1 | 14.9 | 19.7 | 24.5 | 27.5 |
| 20                 | 0.00 | 0.02 | 0.12 | 0.37 | 0.76 | 1.18 | 1.61 | 2.15 | 2.62 | 3.04 | 3.62 | 4.33 | 5.20 | 6.48 | 8.38 | 11.0 | 13.7 | 16.0 | 17.2 |
| 25                 | 0.00 | 0.02 | 0.11 | 0.34 | 0.70 | 1.10 | 1.50 | 1.99 | 2.48 | 2.84 | 3.31 | 3.91 | 4.58 | 5.38 | 6.47 | 7.89 | 9.47 | 10.7 | 11.4 |
| 30                 | 0.00 | 0.02 | 0.09 | 0.29 | 0.63 | 1.00 | 1.37 | 1.80 | 2.28 | 2.65 | 3.01 | 3.47 | 4.00 | 4.57 | 5.19 | 5.89 | 6.64 | 7.28 | 7.63 |
| 35                 | 0.00 | 0.02 | 0.08 | 0.25 | 0.55 | 0.88 | 1.24 | 1.61 | 2.03 | 2.44 | 2.73 | 3.06 | 3.46 | 3.90 | 4.32 | 4.72 | 5.07 | 5.36 | 5.51 |
| 40                 | 0.00 | 0.01 | 0.06 | 0.21 | 0.45 | 0.76 | 1.09 | 1.41 | 1.77 | 2.15 | 2.49 | 2.73 | 3.00 | 3.30 | 3.61 | 3.89 | 4.11 | 4.28 | 4.37 |
| 45                 | 0.00 | 0.01 | 0.05 | 0.16 | 0.36 | 0.64 | 0.92 | 1.21 | 1.52 | 1.82 | 2.16 | 2.44 | 2.64 | 2.83 | 3.02 | 3.21 | 3.36 | 3.48 | 3.54 |
| 50                 | 0.00 | 0.01 | 0.04 | 0.12 | 0.27 | 0.50 | 0.75 | 1.00 | 1.25 | 1.51 | 1.76 | 2.04 | 2.29 | 2.47 | 2.60 | 2.71 | 2.80 | 2.87 | 2.90 |
| 55                 | 0.00 | 0.01 | 0.03 | 0.09 | 0.20 | 0.36 | 0.58 | 0.79 | 1.00 | 1.21 | 1.40 | 1.61 | 1.81 | 2.02 | 2.17 | 2.30 | 2.39 | 2.45 | 2.48 |
| 60                 | 0.00 | 0.01 | 0.02 | 0.06 | 0.13 | 0.25 | 0.40 | 0.58 | 0.75 | 0.93 | 1.09 | 1.24 | 1.38 | 1.52 | 1.64 | 1.74 | 1.82 | 1.88 | 1.92 |
| 65                 | 0.00 | 0.00 | 0.02 | 0.04 | 0.08 | 0.15 | 0.25 | 0.37 | 0.50 | 0.64 | 0.78 | 0.90 | 1.01 | 1.11 | 1.19 | 1.26 | 1.32 | 1.37 | 1.40 |
| 70                 | 0.00 | 0.00 | 0.01 | 0.02 | 0.04 | 0.08 | 0.13 | 0.20 | 0.28 | 0.36 | 0.46 | 0.56 | 0.65 | 0.73 | 0.79 | 0.84 | 0.90 | 0.94 | 0.97 |
| 75                 | 0.00 | 0.00 | 0.01 | 0.01 | 0.02 | 0.04 | 0.06 | 0.09 | 0.12 | 0.16 | 0.21 | 0.26 | 0.31 | 0.36 | 0.41 | 0.45 | 0.48 | 0.51 | 0.53 |
| 80                 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.02 | 0.02 | 0.03 | 0.04 | 0.05 | 0.07 | 0.09 | 0.10 | 0.12 | 0.14 | 0.15 | 0.16 | 0.18 | 0.19 |
| 85                 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| 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 |

**H(β) Range:-90 - 90DEG**  
**H(β) Interval: 0.5DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:Kevin**  
**Test Date:28 July 2025**

**V(B) Range:-90 - 90DEG**  
**V(B) Interval: 0.5DEG**  
**Test System:EVERFINE 60-2000A\_V1 SYSTEM V2.0.353**  
**Humidity:65.0%**  
**Test Distance:9.060m [K=1.0000]**  
**Remarks:**

**LUMINOUS DISTRIBUTION INTENSITY DATA**

|                                                                                 |            |                  |
|---------------------------------------------------------------------------------|------------|------------------|
| Test:U:219.8V I:0.3316A P:71.91W PF:0.9865 Freq:49.99Hz Lamp Flux:251.966x12 lm |            |                  |
| NAME:Auroring-254mm-3000K-8D-Rev1                                               | TYPE:3000K | WEIGHT:          |
| SPEC.:8 DEG                                                                     | DIA.:254mm | SERIAL No.:      |
| MFR.:Luminoscape                                                                | SUR.:      | Shielding Angle: |

Table--2

UNIT: ×100cd

| H (DEG)<br>V (DEG) | 5    | 10   | 15   | 20   | 25   | 30   | 35   | 40   | 45   | 50   | 55   | 60   | 65   | 70   | 75   | 80   | 85   | 90   |  |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| -90                | 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 | 0.01 | 0.01 | 0.01 |  |
| -85                | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.02 | 0.02 | 0.02 | 0.02 | 0.01 | 0.01 | 0.01 |  |
| -80                | 0.24 | 0.24 | 0.24 | 0.23 | 0.21 | 0.20 | 0.18 | 0.16 | 0.14 | 0.11 | 0.09 | 0.07 | 0.05 | 0.04 | 0.03 | 0.02 | 0.01 | 0.01 |  |
| -75                | 0.59 | 0.59 | 0.58 | 0.56 | 0.53 | 0.48 | 0.43 | 0.38 | 0.33 | 0.27 | 0.21 | 0.16 | 0.11 | 0.07 | 0.05 | 0.03 | 0.02 | 0.01 |  |
| -70                | 1.03 | 1.02 | 0.99 | 0.95 | 0.90 | 0.83 | 0.76 | 0.68 | 0.58 | 0.49 | 0.39 | 0.29 | 0.20 | 0.13 | 0.07 | 0.04 | 0.02 | 0.01 |  |
| -65                | 1.49 | 1.48 | 1.44 | 1.38 | 1.30 | 1.21 | 1.11 | 1.00 | 0.88 | 0.74 | 0.59 | 0.46 | 0.32 | 0.20 | 0.11 | 0.05 | 0.02 | 0.01 |  |
| -60                | 2.05 | 2.02 | 1.97 | 1.87 | 1.75 | 1.62 | 1.48 | 1.33 | 1.17 | 0.99 | 0.81 | 0.64 | 0.46 | 0.29 | 0.16 | 0.07 | 0.03 | 0.01 |  |
| -55                | 2.60 | 2.56 | 2.50 | 2.41 | 2.28 | 2.10 | 1.90 | 1.69 | 1.47 | 1.25 | 1.03 | 0.82 | 0.60 | 0.39 | 0.21 | 0.09 | 0.03 | 0.01 |  |
| -50                | 3.12 | 3.06 | 2.97 | 2.85 | 2.71 | 2.55 | 2.35 | 2.09 | 1.80 | 1.52 | 1.25 | 1.00 | 0.75 | 0.50 | 0.27 | 0.11 | 0.03 | 0.01 |  |
| -45                | 3.83 | 3.75 | 3.60 | 3.41 | 3.17 | 2.93 | 2.70 | 2.47 | 2.16 | 1.81 | 1.48 | 1.17 | 0.89 | 0.61 | 0.33 | 0.14 | 0.04 | 0.01 |  |
| -40                | 4.70 | 4.59 | 4.38 | 4.09 | 3.77 | 3.41 | 3.06 | 2.75 | 2.47 | 2.11 | 1.71 | 1.35 | 1.02 | 0.70 | 0.39 | 0.16 | 0.04 | 0.01 |  |
| -35                | 6.00 | 5.78 | 5.39 | 4.93 | 4.46 | 3.99 | 3.50 | 3.07 | 2.71 | 2.36 | 1.93 | 1.51 | 1.15 | 0.79 | 0.46 | 0.19 | 0.05 | 0.01 |  |
| -30                | 8.57 | 8.01 | 7.10 | 6.14 | 5.32 | 4.61 | 3.99 | 3.43 | 2.94 | 2.57 | 2.14 | 1.67 | 1.26 | 0.87 | 0.51 | 0.21 | 0.05 | 0.01 |  |
| -25                | 13.2 | 12.0 | 10.2 | 8.19 | 6.51 | 5.33 | 4.48 | 3.79 | 3.19 | 2.73 | 2.32 | 1.80 | 1.35 | 0.94 | 0.56 | 0.23 | 0.06 | 0.01 |  |
| -20                | 20.6 | 18.2 | 14.6 | 11.2 | 8.23 | 6.20 | 4.97 | 4.13 | 3.44 | 2.88 | 2.46 | 1.92 | 1.43 | 1.00 | 0.60 | 0.25 | 0.06 | 0.01 |  |
| -15                | 34.2 | 27.6 | 20.5 | 14.6 | 10.3 | 7.27 | 5.48 | 4.43 | 3.65 | 3.00 | 2.56 | 2.02 | 1.49 | 1.05 | 0.63 | 0.27 | 0.06 | 0.01 |  |
| -10                | 76.1 | 45.9 | 27.9 | 18.4 | 12.3 | 8.27 | 5.92 | 4.66 | 3.81 | 3.10 | 2.62 | 2.10 | 1.54 | 1.09 | 0.65 | 0.28 | 0.07 | 0.01 |  |
| -5                 | 488  | 81.7 | 35.6 | 21.1 | 13.6 | 8.97 | 6.21 | 4.80 | 3.89 | 3.16 | 2.65 | 2.14 | 1.57 | 1.11 | 0.66 | 0.28 | 0.07 | 0.01 |  |
| 0                  | 1119 | 103  | 37.7 | 21.8 | 13.9 | 9.13 | 6.27 | 4.83 | 3.91 | 3.18 | 2.66 | 2.15 | 1.57 | 1.11 | 0.67 | 0.28 | 0.07 | 0.01 |  |
| 5                  | 294  | 66.4 | 32.8 | 20.0 | 13.1 | 8.74 | 6.09 | 4.73 | 3.84 | 3.14 | 2.64 | 2.13 | 1.56 | 1.10 | 0.66 | 0.28 | 0.07 | 0.01 |  |
| 10                 | 52.4 | 36.4 | 24.2 | 16.8 | 11.6 | 7.90 | 5.71 | 4.53 | 3.71 | 3.05 | 2.59 | 2.08 | 1.53 | 1.08 | 0.65 | 0.28 | 0.07 | 0.01 |  |
| 15                 | 26.7 | 22.4 | 17.6 | 13.1 | 9.57 | 6.88 | 5.24 | 4.27 | 3.52 | 2.93 | 2.51 | 2.00 | 1.47 | 1.04 | 0.62 | 0.26 | 0.06 | 0.01 |  |
| 20                 | 16.9 | 15.1 | 12.5 | 9.94 | 7.55 | 5.84 | 4.75 | 3.96 | 3.30 | 2.79 | 2.40 | 1.89 | 1.40 | 0.99 | 0.59 | 0.25 | 0.06 | 0.01 |  |
| 25                 | 11.2 | 10.3 | 8.88 | 7.32 | 5.97 | 5.00 | 4.25 | 3.61 | 3.06 | 2.65 | 2.26 | 1.77 | 1.32 | 0.93 | 0.55 | 0.23 | 0.06 | 0.01 |  |
| 30                 | 7.54 | 7.09 | 6.38 | 5.61 | 4.92 | 4.31 | 3.76 | 3.25 | 2.82 | 2.49 | 2.09 | 1.63 | 1.22 | 0.86 | 0.50 | 0.21 | 0.05 | 0.01 |  |
| 35                 | 5.47 | 5.27 | 4.95 | 4.57 | 4.15 | 3.71 | 3.30 | 2.91 | 2.60 | 2.29 | 1.87 | 1.47 | 1.11 | 0.77 | 0.45 | 0.19 | 0.05 | 0.01 |  |
| 40                 | 4.35 | 4.23 | 4.05 | 3.80 | 3.50 | 3.18 | 2.88 | 2.63 | 2.38 | 2.04 | 1.65 | 1.31 | 0.99 | 0.68 | 0.39 | 0.16 | 0.04 | 0.01 |  |
| 45                 | 3.53 | 3.45 | 3.32 | 3.15 | 2.95 | 2.76 | 2.58 | 2.38 | 2.07 | 1.74 | 1.44 | 1.14 | 0.86 | 0.59 | 0.33 | 0.14 | 0.04 | 0.01 |  |
| 50                 | 2.90 | 2.85 | 2.78 | 2.68 | 2.57 | 2.44 | 2.25 | 1.99 | 1.72 | 1.47 | 1.23 | 0.97 | 0.73 | 0.49 | 0.26 | 0.11 | 0.03 | 0.01 |  |
| 55                 | 2.48 | 2.45 | 2.38 | 2.29 | 2.16 | 2.00 | 1.79 | 1.60 | 1.41 | 1.21 | 1.01 | 0.80 | 0.59 | 0.38 | 0.21 | 0.09 | 0.03 | 0.01 |  |
| 60                 | 1.92 | 1.89 | 1.83 | 1.76 | 1.66 | 1.54 | 1.40 | 1.26 | 1.12 | 0.96 | 0.79 | 0.62 | 0.44 | 0.28 | 0.15 | 0.07 | 0.03 | 0.01 |  |
| 65                 | 1.40 | 1.38 | 1.34 | 1.29 | 1.22 | 1.14 | 1.05 | 0.94 | 0.83 | 0.70 | 0.57 | 0.44 | 0.30 | 0.19 | 0.11 | 0.05 | 0.02 | 0.01 |  |
| 70                 | 0.96 | 0.94 | 0.91 | 0.88 | 0.83 | 0.77 | 0.71 | 0.63 | 0.54 | 0.45 | 0.36 | 0.27 | 0.19 | 0.12 | 0.07 | 0.04 | 0.02 | 0.01 |  |
| 75                 | 0.53 | 0.53 | 0.51 | 0.49 | 0.46 | 0.42 | 0.38 | 0.33 | 0.28 | 0.24 | 0.19 | 0.15 | 0.11 | 0.07 | 0.04 | 0.03 | 0.02 | 0.01 |  |
| 80                 | 0.19 | 0.19 | 0.19 | 0.18 | 0.17 | 0.16 | 0.15 | 0.13 | 0.11 | 0.10 | 0.08 | 0.06 | 0.05 | 0.04 | 0.03 | 0.02 | 0.01 | 0.01 |  |
| 85                 | 0.02 | 0.02 | 0.02 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.01 | 0.01 | 0.01 |  |
| 90                 | 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 | 0.01 |  |

**H(β) Range:-90 - 90DEG**  
**H(β) Interval: 0.5DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:Kevin**  
**Test Date:28 July 2025**

**V(B) Range:-90 - 90DEG**  
**V(B) Interval: 0.5DEG**  
**Test System:EVERFINE G0-2000A\_V1 SYSTEM V2.0.353**  
**Humidity:65.0%**  
**Test Distance:9.060m [K=1.0000]**  
**Remarks:**