

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

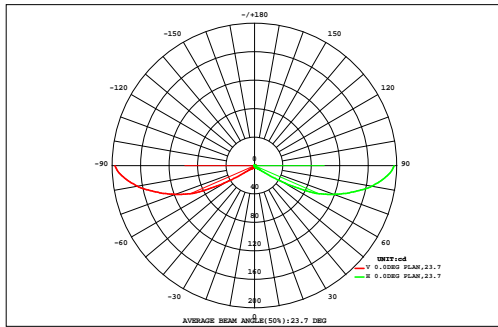
|   |                |   |
|---|----------------|---|
| Maximum Intensity<br>(Luminaire orientation as tested.) |                | 826.4 cd per klm.<br>-90.0 degrees vertical<br>-60.0 degrees horizontal |
| Beam Spread   | At 10% of Imax | 34.7V x 34.7H   |
|   | At 50% of Imax | 23.7V x 23.7H   |
|   | At 90% of Imax | 7.6V x 7.6H   |
| Beam Flux   | Total          | 1000.0 lumens per klm.  |
|   | To 10% of Imax | 956.6 lumens per klm.   |
|   | To 50% of Imax | 825.9 lumens per klm.   |
|   | To 90% of Imax | 325.1 lumens per klm.   |
|   | Upward LOR     | 0.0 %   |
|   | Downward LOR   | 100.0 %   |
| Luminaire Efficiency(Light Output Ratio)                |                | 100.0 %   |

C Range: 0 - 180DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:NORDECOR  
Test Date:2023-12-12

g Range: 0 - 90DEG  
g Interval: 0.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.411  
Humidity:65.0%  
Test Distance:5.780m [K=1.0000]  
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

|  |                        |                     |
|--|------------------------|---------------------|
| Test:U:220.28V I:0.0119A P:2.3926W PF:0.9137 Freq:50.00Hz Lamp Flux:237.266x1 lm |                        |                     |
| NAME: 6589   | TYPE:                  | WEIGHT:0.046KG      |
| SPEC.:3W   | DIM.: $\phi$ 3.5*4.5CM | SERIAL No.:01       |
| MFR.: NORDECOR   | SUR.:                  | Shielding Angle:24° |



| DATA OF LAMP     |         | Eff:99.17lm/W   |          |
|------------------|---------|-----------------|----------|
| MODEL            |         | Imax(cd)        | 196.1    |
| NOMINAL POWER(W) |         | AVAILABILITY(%) | 95.3     |
| RATED VOLTAGE(V) |         | Avai. FLUX(lm)  | 226.2    |
| NOMINAL FLUX(lm) | 237.266 | LOR(%)          | 100.0    |
| LAMPS INSIDE     | 1       | TOTAL FLUX(lm)  | 237.3    |
| TEST VOLTAGE(V)  | 0       | q @50%(H,V)     | 24,24DEG |

| AREA FLUX DIAGRAM |      |      |      |      |      |      |      |      |                  |      |      |      |      |      |      | UNIT:lm |      | F t  | F a  |      |      |
|-------------------|------|------|------|------|------|------|------|------|------------------|------|------|------|------|------|------|---------|------|------|------|------|------|
| 90                | 0.00 | 0.01 | 0.01 | 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    | 0.41 | 0.75 | 0.40 | 1.86 | 1.51 |
| 80                | 0.00 | 0.01 | 0.01 | 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    | 0.44 | 0.74 | 0.40 | 1.88 | 1.54 |
| 70                | 0.00 | 0.01 | 0.01 | 0.02 | 0.02 | 0.02 | 0.02 | 0.03 | 0.03             | 0.03 | 0.03 | 0.02 | 0.02 | 0.02 | 0.02 | 0.04    | 0.50 | 0.76 | 0.41 | 1.97 | 1.63 |
| 60                | 0.00 | 0.01 | 0.01 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02             | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.10 | 0.57    | 0.78 | 0.41 | 2.13 | 1.78 |      |
| 50                | 0.00 | 0.01 | 0.01 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02             | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.22 | 0.66    | 0.81 | 0.42 | 2.36 | 2.01 |      |
| 40                | 0.00 | 0.01 | 0.01 | 0.01 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02             | 0.02 | 0.02 | 0.02 | 0.02 | 0.04 | 0.32 | 0.75    | 0.86 | 0.43 | 2.61 | 2.24 |      |
| 30                | 0.00 | 0.01 | 0.01 | 0.01 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02             | 0.02 | 0.02 | 0.02 | 0.02 | 0.06 | 0.33 | 0.83    | 0.91 | 0.44 | 2.80 | 2.40 |      |
|                   | 0.00 | 0.01 | 0.01 | 0.01 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02             | 0.02 | 0.02 | 0.03 | 0.05 | 0.09 | 0.32 | 0.91    | 0.98 | 0.45 | 3.00 | 2.54 |      |
|                   | 0.00 | 0.01 | 0.01 | 0.01 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02             | 0.02 | 0.03 | 0.06 | 0.08 | 0.11 | 0.34 | 1.02    | 1.06 | 0.47 | 3.33 | 2.76 |      |
|                   | 0.01 | 0.06 | 0.10 | 0.06 | 0.04 | 0.04 | 0.04 | 0.03 | 0.03             | 0.03 | 0.04 | 0.08 | 0.10 | 0.13 | 0.39 | 1.10    | 1.11 | 0.48 | 3.86 | 2.96 |      |
|                   | 0.03 | 0.16 | 0.28 | 0.17 | 0.08 | 0.08 | 0.08 | 0.06 | 0.05             | 0.05 | 0.06 | 0.09 | 0.11 | 0.15 | 0.48 | 1.18    | 1.13 | 0.48 | 4.71 | 3.47 |      |
|                   | 0.05 | 0.26 | 0.50 | 0.39 | 0.16 | 0.13 | 0.11 | 0.10 | 0.08             | 0.08 | 0.10 | 0.11 | 0.13 | 0.20 | 0.71 | 1.32    | 1.17 | 0.48 | 6.07 | 4.71 |      |
| -30               | 0.06 | 0.37 | 0.75 | 0.81 | 0.40 | 0.19 | 0.15 | 0.13 | 0.13             | 0.13 | 0.13 | 0.15 | 0.19 | 0.42 | 1.12 | 1.49    | 1.22 | 0.49 | 8.32 | 6.78 |      |
| -40               | 0.08 | 0.48 | 1.03 | 1.45 | 1.08 | 0.49 | 0.27 | 0.21 | 0.19             | 0.19 | 0.21 | 0.27 | 0.49 | 1.08 | 1.65 | 1.68    | 1.28 | 0.49 | 12.6 | 10.9 |      |
| -50               | 0.09 | 0.58 | 1.34 | 2.04 | 2.05 | 1.63 | 1.14 | 0.83 | 0.70             | 0.70 | 0.83 | 1.14 | 1.63 | 2.05 | 2.13 | 1.90    | 1.35 | 0.50 | 22.6 | 21.8 |      |
| -60               | 0.10 | 0.67 | 1.64 | 2.56 | 2.83 | 2.91 | 2.87 | 2.75 | 2.67             | 2.67 | 2.75 | 2.87 | 2.91 | 2.83 | 2.59 | 2.13    | 1.42 | 0.51 | 39.7 | 39.7 |      |
| -70               | 0.11 | 0.74 | 1.90 | 3.01 | 3.53 | 3.91 | 4.15 | 4.30 | 4.36             | 4.36 | 4.30 | 4.15 | 3.91 | 3.53 | 3.01 | 2.32    | 1.48 | 0.51 | 53.6 | 53.6 |      |
| -80               | 0.12 | 0.79 | 2.08 | 3.33 | 4.06 | 4.66 | 5.12 | 5.43 | 5.58             | 5.58 | 5.43 | 5.12 | 4.66 | 4.06 | 3.33 | 2.48    | 1.53 | 0.52 | 63.9 | 63.9 |      |
| -90               |      |      |      |      |      |      |      |      |                  |      |      |      |      |      |      |         |      |      |      |      |      |
|                   | -90  | -80  | -70  | -60  | -50  | -40  | -30  | -20  | HORIZONTAL( DEG) | 20   | 30   | 40   | 50   | 60   | 70   | 80      | 90   |      |      |      |      |
| F t               | 0.68 | 4.17 | 9.71 | 13.9 | 14.4 | 14.2 | 14.1 | 14.1 | 14.0             | 14.0 | 14.1 | 14.2 | 14.4 | 14.9 | 17.1 | 21.7    | 19.3 | 8.27 | 237  | ---  |      |
| F a               | 0.56 | 3.99 | 9.43 | 13.5 | 13.8 | 13.4 | 13.2 | 13.1 | 13.1             | 13.1 | 13.1 | 13.2 | 13.4 | 13.8 | 16.1 | 21.6    | 19.3 | 8.27 | ---  | 226  |      |

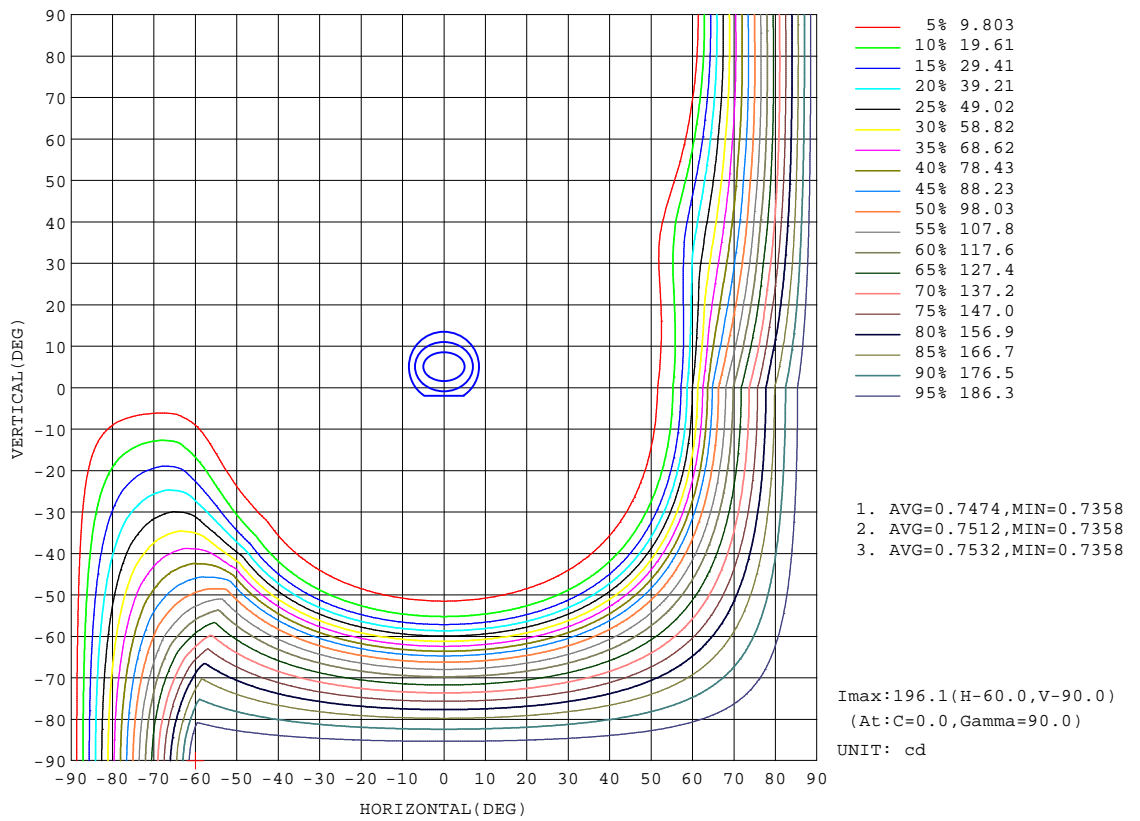
one-half-peak spread: U:23.6,D:23.9 , L:23.9,R:23.6 NEMA Beam Type: Type 3

C Range: 0 - 180DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:NORDECOR  
 Test Date:2023-12-12

Range: 0 - 90DEG  
 Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.411  
 Humidity:65.0%  
 Test Distance:5.780m [K=1.0000]  
 Remarks:

ISOCANDELA DIAGRAM

|  |                        |                     |
|--|------------------------|---------------------|
| Test:U:220.28V I:0.0119A P:2.3926W PF:0.9137 Freq:50.00Hz Lamp Flux:237.266x1 lm |                        |                     |
| NAME: 6589   | TYPE:                  | WEIGHT:0.046KG      |
| SPEC.:3W   | DIM.: $\phi$ 3.5*4.5CM | SERIAL No.:01       |
| MFR.: NORDECOR   | SUR.:                  | Shielding Angle:24° |

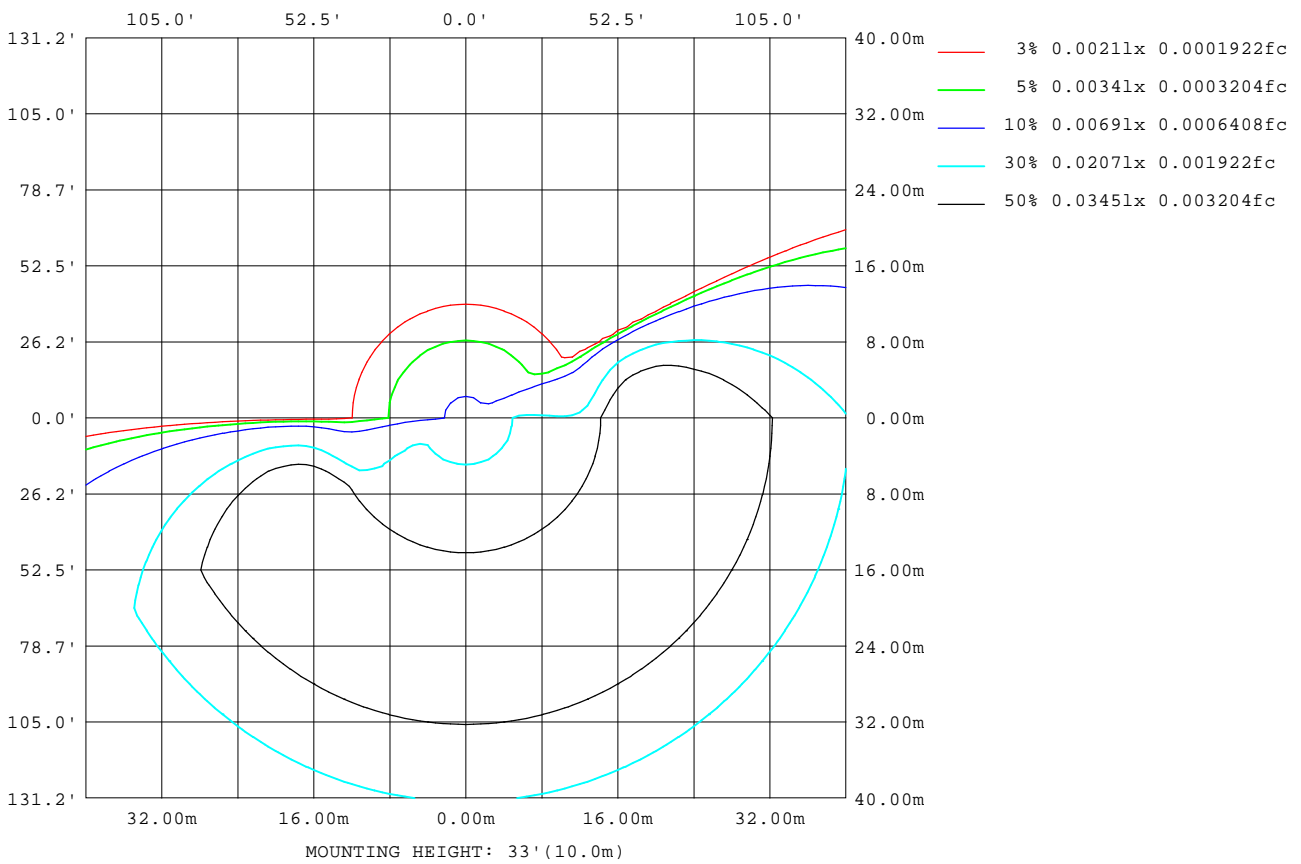


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 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:NORDECOR  
 Test Date:2023-12-12

Range: 0 - 90DEG  
 Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.411  
 Humidity:65.0%  
 Test Distance:5.780m [K=1.0000]  
 Remarks:

ISOLUX DIAGRAM

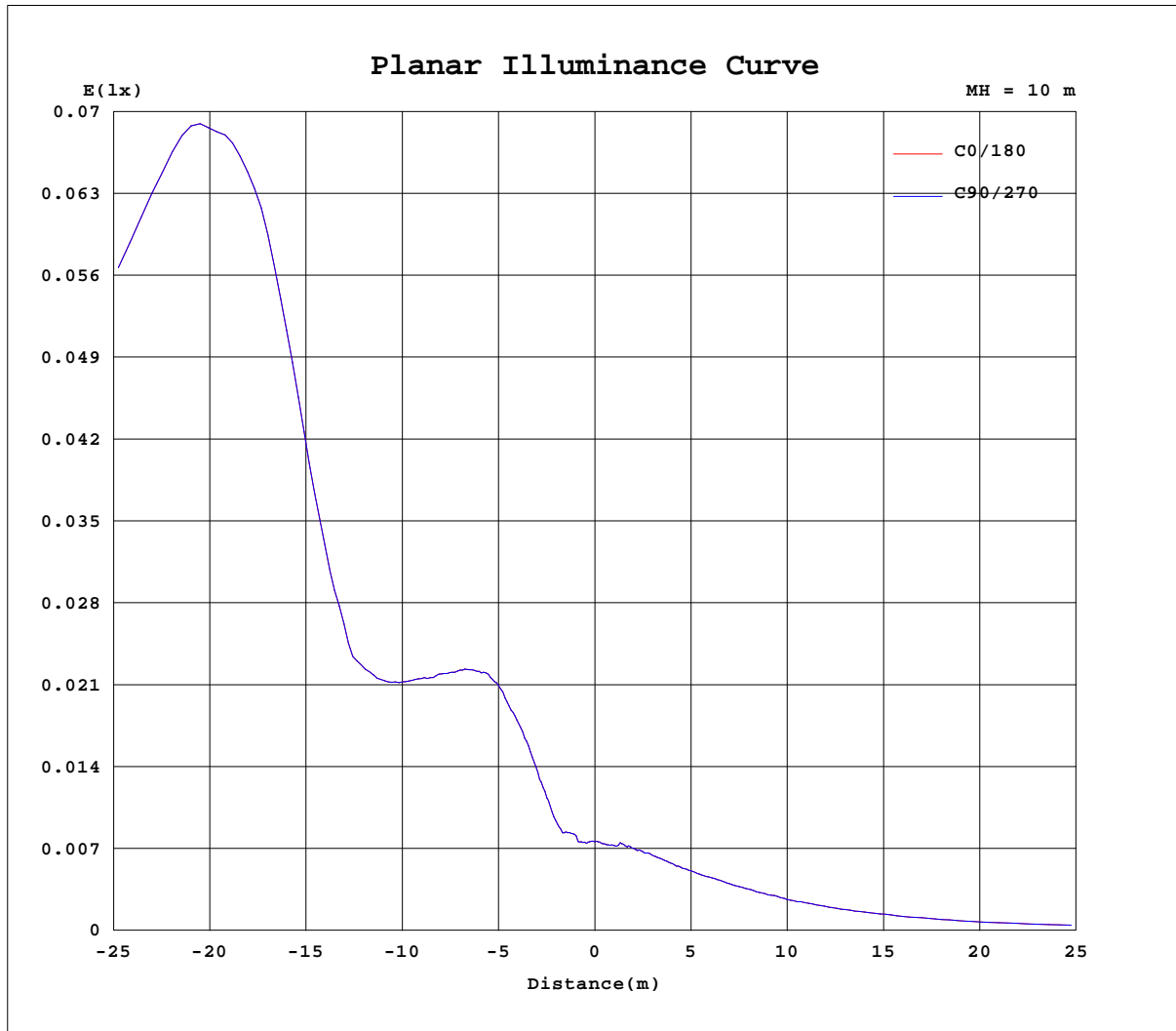
|  |                                |                     |
|--|--------------------------------|---------------------|
| Test:U:220.28V I:0.0119A P:2.3926W PF:0.9137 Freq:50.00Hz Lamp Flux:237.266x1 lm |                                |                     |
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| MFR.: NORDECOR   | SUR.:                          | Shielding Angle:24° |



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 Temperature:25.3DEG  
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 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.411  
 Humidity:65.0%  
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 Remarks:

Planar Illuminance Curve



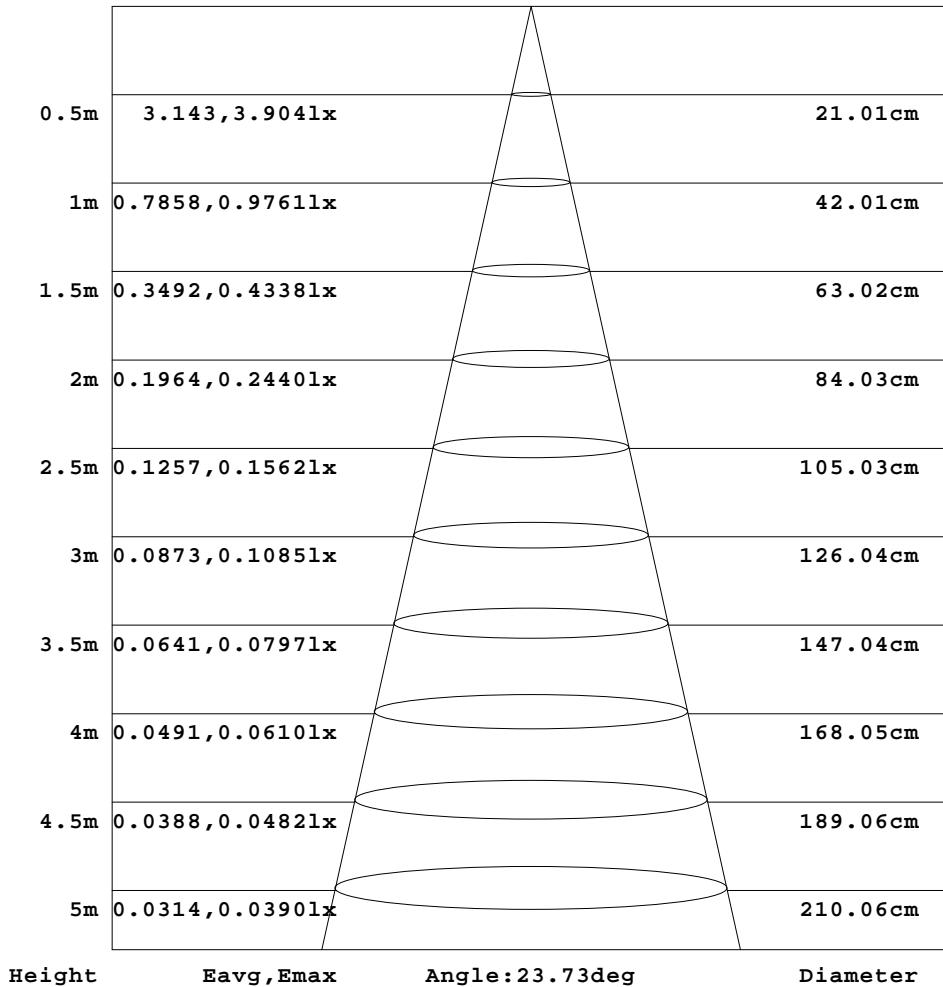
C Range: 0 - 180DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: NORDECOR  
 Test Date: 2023-12-12

Range: 0 - 90DEG  
 Interval: 0.5DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.411  
 Humidity: 65.0%  
 Test Distance: 5.780m [K=1.0000]  
 Remarks:

AAI Figure

|  |                                |                     |
|--|--------------------------------|---------------------|
| Test:U:220.28V I:0.0119A P:2.3926W PF:0.9137 Freq:50.00Hz Lamp Flux:237.266x1 lm |                                |                     |
| NAME: 6589   | TYPE:                          | WEIGHT:0.046KG      |
| SPEC.:3W   | DIM.: $\phi 3.5 \times 4.5$ CM | SERIAL No.:01       |
| MFR.: NORDECOR   | SUR.:                          | Shielding Angle:24° |

Flux out:0.1115 lm



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

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 Test Speed: HIGH  
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 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

|  |                        |                     |
|--|------------------------|---------------------|
| Test:U:220.28V I:0.0119A P:2.3926W PF:0.9137 Freq:50.00Hz Lamp Flux:237.266x1 lm |                        |                     |
| NAME: 6589   | TYPE:                  | WEIGHT:0.046KG      |
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| MFR.: NORDECOR   | SUR.:                  | Shielding Angle:24° |

Table--1

UNIT: cd

| H(DEG)\V(DEG) | -90  | -85  | -80  | -75  | -70  | -65  | -60  | -55  | -50  | -45  | -40  | -35  | -30  | -25  | -20   | -15  | -10  | -5   | 0    |
|---------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|
| -90           | 0.92 | 33.4 | 66.0 | 98.5 | 131  | 164  | 196  | 196  | 196  | 196  | 196  | 196  | 196  | 196  | 196   | 196  | 196  | 196  | 196  |
| -85           | 0.92 | 33.3 | 65.4 | 97.3 | 129  | 160  | 192  | 191  | 190  | 190  | 189  | 188  | 187  | 187  | 186   | 186  | 185  | 185  | 185  |
| -80           | 0.92 | 32.8 | 64.2 | 95.1 | 125  | 154  | 183  | 183  | 181  | 178  | 176  | 174  | 172  | 171  | 170   | 169  | 168  | 167  | 167  |
| -75           | 0.92 | 32.1 | 62.5 | 91.7 | 120  | 146  | 172  | 173  | 169  | 165  | 161  | 157  | 154  | 151  | 148   | 146  | 145  | 144  | 144  |
| -70           | 0.92 | 31.1 | 60.2 | 87.6 | 113  | 137  | 159  | 162  | 155  | 148  | 143  | 138  | 133  | 128  | 125   | 122  | 120  | 119  | 119  |
| -65           | 0.92 | 30.0 | 57.4 | 82.9 | 106  | 127  | 145  | 148  | 140  | 132  | 124  | 117  | 111  | 105  | 100.0 | 95.8 | 92.7 | 90.7 | 90.0 |
| -60           | 0.92 | 28.6 | 54.3 | 77.5 | 98.3 | 116  | 130  | 136  | 125  | 115  | 105  | 95.3 | 84.8 | 73.4 | 64.9  | 57.9 | 53.2 | 50.3 | 49.4 |
| -55           | 0.92 | 27.0 | 50.8 | 71.9 | 90.0 | 104  | 115  | 122  | 110  | 96.8 | 81.3 | 64.9 | 51.0 | 39.2 | 30.6  | 24.6 | 21.0 | 19.2 | 18.6 |
| -50           | 0.92 | 25.2 | 47.0 | 65.8 | 80.8 | 92.0 | 99.6 | 104  | 93.9 | 72.7 | 53.2 | 36.0 | 23.7 | 16.4 | 12.4  | 9.92 | 9.02 | 8.57 | 8.42 |
| -45           | 0.92 | 23.2 | 42.9 | 59.7 | 71.8 | 80.6 | 85.5 | 85.1 | 72.7 | 49.4 | 29.5 | 17.2 | 11.1 | 8.54 | 7.35  | 6.67 | 6.29 | 6.08 | 6.01 |
| -40           | 0.92 | 21.1 | 38.7 | 53.2 | 63.2 | 69.5 | 71.4 | 65.8 | 50.3 | 29.5 | 15.4 | 9.37 | 7.39 | 6.35 | 5.72  | 5.32 | 5.02 | 4.87 | 4.81 |
| -35           | 0.92 | 18.8 | 34.3 | 46.4 | 54.6 | 59.1 | 58.5 | 47.5 | 31.0 | 17.1 | 9.37 | 7.10 | 5.96 | 5.27 | 4.77  | 4.44 | 4.21 | 4.09 | 4.05 |
| -30           | 0.92 | 16.5 | 29.7 | 39.7 | 46.2 | 49.1 | 45.9 | 33.1 | 18.2 | 9.88 | 7.39 | 5.96 | 5.12 | 4.54 | 4.12  | 3.81 | 3.57 | 3.43 | 3.40 |
| -25           | 0.92 | 14.0 | 25.1 | 33.1 | 38.0 | 39.5 | 34.0 | 21.9 | 10.9 | 6.70 | 5.74 | 5.27 | 4.54 | 4.02 | 3.59  | 3.26 | 2.96 | 2.77 | 2.67 |
| -20           | 0.92 | 11.5 | 20.3 | 26.6 | 30.2 | 30.8 | 24.7 | 14.2 | 6.98 | 4.92 | 4.43 | 4.24 | 4.12 | 3.59 | 3.12  | 2.65 | 2.29 | 2.07 | 1.98 |
| -15           | 0.92 | 8.92 | 15.5 | 20.1 | 22.7 | 22.6 | 17.0 | 8.98 | 4.52 | 3.62 | 3.36 | 3.24 | 3.21 | 3.18 | 2.65  | 2.14 | 1.72 | 1.44 | 1.36 |
| -10           | 0.92 | 6.28 | 10.7 | 13.7 | 15.3 | 15.0 | 10.8 | 5.49 | 3.06 | 2.57 | 2.41 | 2.34 | 2.31 | 2.25 | 2.06  | 1.72 | 1.26 | 0.98 | 0.91 |
| -5            | 0.92 | 3.61 | 5.80 | 7.29 | 8.05 | 7.83 | 5.59 | 2.95 | 1.87 | 1.64 | 1.56 | 1.52 | 1.49 | 1.44 | 1.33  | 1.16 | 0.95 | 0.85 | 0.77 |
| 0             | 0.92 | 0.93 | 0.91 | 0.90 | 0.89 | 0.86 | 0.83 | 0.82 | 0.78 | 0.75 | 0.74 | 0.72 | 0.71 | 0.71 | 0.72  | 0.74 | 0.76 | 0.74 | 0.76 |
| 5             | 0.92 | 0.93 | 0.91 | 0.90 | 0.89 | 0.86 | 0.84 | 0.81 | 0.78 | 0.75 | 0.74 | 0.72 | 0.72 | 0.71 | 0.72  | 0.74 | 0.75 | 0.75 | 0.74 |
| 10            | 0.92 | 0.93 | 0.91 | 0.90 | 0.89 | 0.86 | 0.84 | 0.81 | 0.78 | 0.76 | 0.75 | 0.73 | 0.71 | 0.72 | 0.72  | 0.72 | 0.74 | 0.75 | 0.76 |
| 15            | 0.92 | 0.93 | 0.91 | 0.90 | 0.88 | 0.86 | 0.84 | 0.83 | 0.79 | 0.77 | 0.75 | 0.74 | 0.73 | 0.72 | 0.71  | 0.72 | 0.72 | 0.74 | 0.74 |
| 20            | 0.92 | 0.93 | 0.92 | 0.91 | 0.88 | 0.86 | 0.84 | 0.82 | 0.80 | 0.79 | 0.76 | 0.75 | 0.72 | 0.71 | 0.72  | 0.71 | 0.72 | 0.72 | 0.72 |
| 25            | 0.92 | 0.93 | 0.92 | 0.91 | 0.88 | 0.87 | 0.84 | 0.82 | 0.80 | 0.78 | 0.76 | 0.75 | 0.74 | 0.72 | 0.71  | 0.72 | 0.72 | 0.71 | 0.71 |
| 30            | 0.92 | 0.93 | 0.93 | 0.91 | 0.90 | 0.88 | 0.85 | 0.84 | 0.82 | 0.79 | 0.79 | 0.76 | 0.75 | 0.74 | 0.72  | 0.73 | 0.71 | 0.72 | 0.71 |
| 35            | 0.92 | 0.93 | 0.93 | 0.92 | 0.90 | 0.89 | 0.86 | 0.84 | 0.82 | 0.81 | 0.78 | 0.78 | 0.76 | 0.75 | 0.75  | 0.74 | 0.73 | 0.72 | 0.72 |
| 40            | 0.92 | 0.93 | 0.92 | 0.91 | 0.90 | 0.88 | 0.87 | 0.85 | 0.84 | 0.82 | 0.80 | 0.78 | 0.79 | 0.76 | 0.76  | 0.75 | 0.75 | 0.74 | 0.74 |
| 45            | 0.92 | 0.93 | 0.92 | 0.91 | 0.91 | 0.90 | 0.88 | 0.86 | 0.84 | 0.83 | 0.82 | 0.81 | 0.79 | 0.78 | 0.79  | 0.77 | 0.76 | 0.75 | 0.75 |
| 50            | 0.92 | 0.93 | 0.92 | 0.91 | 0.91 | 0.90 | 0.88 | 0.88 | 0.86 | 0.84 | 0.84 | 0.82 | 0.82 | 0.80 | 0.80  | 0.79 | 0.78 | 0.78 | 0.78 |
| 55            | 0.92 | 0.93 | 0.92 | 0.93 | 0.91 | 0.91 | 0.90 | 0.88 | 0.88 | 0.86 | 0.85 | 0.84 | 0.84 | 0.82 | 0.82  | 0.83 | 0.81 | 0.81 | 0.82 |
| 60            | 0.92 | 0.93 | 0.93 | 0.91 | 0.91 | 0.92 | 0.90 | 0.90 | 0.88 | 0.88 | 0.87 | 0.86 | 0.85 | 0.84 | 0.84  | 0.84 | 0.84 | 0.84 | 0.83 |
| 65            | 0.92 | 0.93 | 0.93 | 0.92 | 0.93 | 0.91 | 0.92 | 0.91 | 0.90 | 0.90 | 0.88 | 0.89 | 0.88 | 0.87 | 0.86  | 0.86 | 0.86 | 0.86 | 0.86 |
| 70            | 0.92 | 0.93 | 0.93 | 0.93 | 0.92 | 0.93 | 0.91 | 0.91 | 0.91 | 0.91 | 0.90 | 0.90 | 0.90 | 0.88 | 0.88  | 0.88 | 0.89 | 0.89 | 0.89 |
| 75            | 0.92 | 0.93 | 0.93 | 0.93 | 0.93 | 0.92 | 0.91 | 0.93 | 0.91 | 0.91 | 0.91 | 0.92 | 0.91 | 0.91 | 0.91  | 0.90 | 0.90 | 0.90 | 0.90 |
| 80            | 0.92 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.92 | 0.92 | 0.92 | 0.92 | 0.93 | 0.93 | 0.92 | 0.92  | 0.91 | 0.91 | 0.91 | 0.91 |
| 85            | 0.92 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93  | 0.93 | 0.93 | 0.93 | 0.93 |
| 90            | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92  | 0.92 | 0.92 | 0.92 | 0.92 |

C Range: 0 - 180DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:NORDECOR  
 Test Date:2023-12-12

Range: 0 - 90DEG  
 Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.411  
 Humidity:65.0%  
 Test Distance:5.780m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

|  |                        |                     |
|--|------------------------|---------------------|
| Test:U:220.28V I:0.0119A P:2.3926W PF:0.9137 Freq:50.00Hz Lamp Flux:237.266x1 lm |                        |                     |
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| SPEC.:3W   | DIM.: $\Phi$ 3.5*4.5CM | SERIAL No.:01       |
| MFR.: NORDECOR   | SUR.:                  | Shielding Angle:24° |

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  |
|----------------------|------|------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|-----|-----|-----|
| -90                  | 196  | 196  | 196  | 196   | 196  | 196  | 196  | 196  | 196  | 196  | 196  | 196  | 196   | 196  | 196  | 196 | 196 | 196 |
| -85                  | 185  | 185  | 186  | 186   | 187  | 187  | 188  | 189  | 190  | 190  | 191  | 192  | 193   | 194  | 194  | 195 | 196 | 196 |
| -80                  | 167  | 168  | 169  | 170   | 171  | 172  | 174  | 176  | 178  | 181  | 183  | 185  | 188   | 190  | 192  | 194 | 195 | 196 |
| -75                  | 144  | 145  | 146  | 148   | 151  | 154  | 157  | 161  | 165  | 169  | 173  | 177  | 181   | 185  | 189  | 192 | 194 | 196 |
| -70                  | 119  | 120  | 122  | 125   | 128  | 133  | 138  | 143  | 148  | 155  | 162  | 168  | 174   | 179  | 185  | 190 | 194 | 196 |
| -65                  | 90.7 | 92.7 | 95.8 | 100.0 | 105  | 111  | 117  | 124  | 132  | 140  | 148  | 157  | 166   | 174  | 181  | 188 | 193 | 196 |
| -60                  | 50.3 | 53.2 | 57.9 | 64.9  | 73.4 | 84.8 | 95.3 | 105  | 115  | 125  | 136  | 146  | 157   | 168  | 177  | 185 | 192 | 196 |
| -55                  | 19.2 | 21.0 | 24.6 | 30.6  | 39.2 | 51.0 | 64.9 | 81.3 | 96.8 | 110  | 123  | 136  | 148   | 162  | 173  | 183 | 191 | 196 |
| -50                  | 8.57 | 9.02 | 9.92 | 12.4  | 16.4 | 23.7 | 36.0 | 53.2 | 72.7 | 93.9 | 110  | 125  | 140   | 155  | 169  | 181 | 190 | 196 |
| -45                  | 6.08 | 6.29 | 6.67 | 7.35  | 8.54 | 11.1 | 17.2 | 29.5 | 49.4 | 72.7 | 96.8 | 115  | 132   | 148  | 165  | 178 | 190 | 196 |
| -40                  | 4.87 | 5.02 | 5.32 | 5.72  | 6.35 | 7.39 | 9.37 | 15.4 | 29.5 | 53.2 | 81.3 | 105  | 124   | 143  | 161  | 176 | 189 | 196 |
| -35                  | 4.09 | 4.21 | 4.44 | 4.77  | 5.27 | 5.96 | 7.10 | 9.37 | 17.2 | 36.0 | 64.9 | 95.3 | 117   | 138  | 157  | 174 | 188 | 196 |
| -30                  | 3.43 | 3.57 | 3.81 | 4.12  | 4.54 | 5.12 | 5.96 | 7.39 | 11.1 | 23.7 | 51.0 | 84.8 | 111   | 133  | 154  | 172 | 187 | 196 |
| -25                  | 2.77 | 2.96 | 3.26 | 3.59  | 4.02 | 4.54 | 5.27 | 6.35 | 8.54 | 16.4 | 39.2 | 73.4 | 105   | 128  | 151  | 171 | 187 | 196 |
| -20                  | 2.07 | 2.29 | 2.65 | 3.12  | 3.59 | 4.12 | 4.77 | 5.72 | 7.35 | 12.4 | 30.6 | 64.9 | 100.0 | 125  | 148  | 170 | 186 | 196 |
| -15                  | 1.44 | 1.72 | 2.14 | 2.65  | 3.26 | 3.81 | 4.44 | 5.32 | 6.67 | 9.92 | 24.6 | 57.9 | 95.8  | 122  | 146  | 169 | 186 | 196 |
| -10                  | 0.98 | 1.26 | 1.72 | 2.29  | 2.96 | 3.57 | 4.21 | 5.02 | 6.29 | 9.02 | 21.0 | 53.2 | 92.7  | 120  | 145  | 168 | 185 | 196 |
| -5                   | 0.85 | 0.98 | 1.44 | 2.07  | 2.77 | 3.43 | 4.09 | 4.87 | 6.08 | 8.57 | 19.2 | 50.3 | 90.7  | 119  | 144  | 167 | 185 | 196 |
| 0                    | 0.77 | 0.91 | 1.36 | 1.98  | 2.67 | 3.40 | 4.05 | 4.81 | 6.01 | 8.42 | 18.6 | 49.4 | 90.0  | 119  | 144  | 167 | 185 | 196 |
| 5                    | 0.75 | 0.78 | 1.02 | 1.47  | 2.04 | 2.66 | 3.29 | 4.05 | 5.19 | 7.48 | 17.1 | 45.6 | 83.7  | 112  | 138  | 163 | 183 | 196 |
| 10                   | 0.75 | 0.74 | 0.72 | 0.95  | 1.44 | 1.97 | 2.59 | 3.35 | 4.47 | 6.74 | 16.4 | 43.2 | 78.5  | 106  | 132  | 158 | 180 | 196 |
| 15                   | 0.74 | 0.72 | 0.72 | 0.71  | 0.80 | 1.33 | 1.94 | 2.71 | 3.82 | 6.19 | 16.5 | 41.7 | 74.0  | 100  | 127  | 154 | 178 | 196 |
| 20                   | 0.72 | 0.72 | 0.71 | 0.72  | 0.71 | 0.72 | 1.28 | 2.05 | 3.22 | 6.19 | 17.2 | 41.0 | 70.0  | 95.6 | 122  | 150 | 175 | 196 |
| 25                   | 0.71 | 0.72 | 0.72 | 0.71  | 0.72 | 0.74 | 0.75 | 1.37 | 2.61 | 6.24 | 18.1 | 40.3 | 66.2  | 91.2 | 118  | 147 | 173 | 196 |
| 30                   | 0.72 | 0.71 | 0.73 | 0.72  | 0.74 | 0.75 | 0.76 | 0.79 | 1.97 | 6.34 | 18.7 | 39.8 | 62.9  | 87.4 | 115  | 144 | 172 | 196 |
| 35                   | 0.72 | 0.73 | 0.74 | 0.75  | 0.75 | 0.76 | 0.78 | 0.78 | 0.90 | 5.86 | 18.2 | 37.6 | 59.3  | 83.8 | 112  | 141 | 170 | 196 |
| 40                   | 0.74 | 0.75 | 0.75 | 0.76  | 0.76 | 0.79 | 0.78 | 0.80 | 0.82 | 3.74 | 16.3 | 34.3 | 55.7  | 80.6 | 109  | 138 | 169 | 196 |
| 45                   | 0.75 | 0.76 | 0.77 | 0.79  | 0.78 | 0.79 | 0.81 | 0.82 | 0.83 | 0.84 | 12.6 | 30.6 | 52.2  | 77.4 | 107  | 136 | 167 | 196 |
| 50                   | 0.78 | 0.78 | 0.79 | 0.80  | 0.80 | 0.82 | 0.82 | 0.84 | 0.84 | 0.86 | 7.40 | 26.3 | 48.8  | 74.9 | 104  | 135 | 166 | 196 |
| 55                   | 0.81 | 0.81 | 0.83 | 0.82  | 0.82 | 0.84 | 0.84 | 0.85 | 0.86 | 0.88 | 1.54 | 22.0 | 45.6  | 72.8 | 102  | 133 | 165 | 196 |
| 60                   | 0.84 | 0.84 | 0.84 | 0.84  | 0.84 | 0.85 | 0.86 | 0.87 | 0.88 | 0.88 | 0.90 | 17.5 | 42.7  | 70.5 | 100  | 132 | 165 | 196 |
| 65                   | 0.86 | 0.86 | 0.86 | 0.86  | 0.87 | 0.88 | 0.89 | 0.88 | 0.90 | 0.90 | 0.91 | 13.3 | 40.0  | 68.6 | 99.1 | 131 | 164 | 196 |
| 70                   | 0.89 | 0.89 | 0.88 | 0.88  | 0.88 | 0.90 | 0.90 | 0.90 | 0.91 | 0.91 | 0.91 | 9.36 | 37.4  | 67.1 | 98.2 | 131 | 164 | 196 |
| 75                   | 0.90 | 0.90 | 0.90 | 0.91  | 0.91 | 0.91 | 0.92 | 0.91 | 0.91 | 0.91 | 0.93 | 5.91 | 35.5  | 66.1 | 97.9 | 130 | 163 | 196 |
| 80                   | 0.91 | 0.91 | 0.91 | 0.92  | 0.92 | 0.93 | 0.93 | 0.92 | 0.92 | 0.92 | 0.92 | 3.25 | 34.1  | 65.7 | 97.9 | 130 | 163 | 196 |
| 85                   | 0.93 | 0.93 | 0.93 | 0.93  | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 1.53 | 33.5  | 65.7 | 98.0 | 131 | 163 | 196 |
| 90                   | 0.92 | 0.92 | 0.92 | 0.92  | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 33.4  | 66.0 | 98.5 | 131 | 164 | 196 |

C Range: 0 - 180DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:NORDECOR  
 Test Date:2023-12-12

Range: 0 - 90DEG  
 Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.411  
 Humidity:65.0%  
 Test Distance:5.780m [K=1.0000]  
 Remarks: