

# Floodlight Summary:

Report based on lamp delivering 1000 lumens.

|                                    |                        |
|------------------------------------|------------------------|
| Maximum Intensity                  | 1118.0 cd per klm.     |
| (Luminaire orientation as tested.) | 0.0 degrees vertical   |
|                                    | 0.0 degrees horizontal |

|             |                |               |
|-------------|----------------|---------------|
| Beam Spread | At 10% of Imax | 91.1V x 90.2H |
|             | At 50% of Imax | 53.5V x 53.7H |
|             | At 90% of Imax | 19.0V x 24.7H |

|           |                |                       |
|-----------|----------------|-----------------------|
| Beam Flux | Total          | 999.6 lumens per klm. |
|           | To 10% of Imax | 893.7 lumens per klm. |
|           | To 50% of Imax | 543.9 lumens per klm. |
|           | To 90% of Imax | 99.3 lumens per klm.  |

|              |         |
|--------------|---------|
| Upward LOR   | 0.0 %   |
| Downward LOR | 100.0 % |

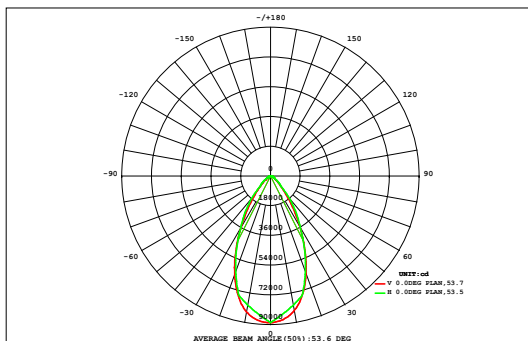
|   |         |
|---|---------|
| Luminaire Efficiency (Light Output Ratio) | 100.0 % |
|---|---------|

C Range: 0 - 90DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: C  
Test Date: 02 January 2020

γ Range: -75 - 75DEG  
γ Interval: 0.5DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.416  
Humidity: 65.0%  
Test Distance: 8.000m [K=1.0000]  
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

|  |        |  |
|--|--------|--|
| Test:U:242.40V I:2.1643A P:502.20W PF:0.9572 Freq:49.97Hz Lamp Flux:79377.7x1 lm |        |  |
| NAME: HL-SP06-500W-60°   | TYPE:0 |  |
| MFR.: EVERFINE   |        |  |
|  |        |  |



| DATA OF LAMP      |                  | Eff:157.99lm/W   |          |
|-------------------|------------------|------------------|----------|
| MODEL             | HL-SP06-500W-60° | Imax (cd)        | 88746    |
| NOMINAL POWER (W) | 500              | AVAILABILITY (%) | 89.4     |
| RATED VOLTAGE (V) | 240              | Avai. FLUX (lm)  | 70928    |
| NOMINAL FLUX (lm) | 79377.7          | LOR (%)          | 100.0    |
| LAMPS INSIDE      | 1                | TOTAL FLUX (lm)  | 79344    |
| TEST VOLTAGE (V)  | 240              | θ @50% (H,V)     | 54,53DEG |

| VERTICAL (DEG) | AREA FLUX DIAGRAM |      |      |      |      |      |      |       |                  |       |       |      |      |      |      |      | UNIT:lm |      | Φ t   | Φ a   |
|----------------|-------------------|------|------|------|------|------|------|-------|------------------|-------|-------|------|------|------|------|------|---------|------|-------|-------|
|                | 1.59              | 3.52 | 6.26 | 9.67 | 13.6 | 17.8 | 21.9 | 25.2  | 27.2             | 27.4  | 25.7  | 22.6 | 18.5 | 14.1 | 10.0 | 6.47 | 3.64    | 1.65 | 257   | 0.00  |
| 72             | 1.59              | 3.52 | 6.26 | 9.67 | 13.6 | 17.8 | 21.9 | 25.2  | 27.2             | 27.4  | 25.7  | 22.6 | 18.5 | 14.1 | 10.0 | 6.47 | 3.64    | 1.65 | 257   | 0.00  |
| 64             | 2.56              | 5.61 | 9.96 | 15.6 | 22.7 | 30.8 | 39.0 | 46.2  | 50.7             | 51.1  | 47.3  | 40.3 | 31.9 | 23.6 | 16.2 | 10.3 | 5.76    | 2.65 | 452   | 0.00  |
| 56             | 3.64              | 8.01 | 14.7 | 24.7 | 39.5 | 58.7 | 80.5 | 101   | 113              | 114   | 102   | 81.8 | 59.7 | 40.3 | 25.5 | 15.2 | 8.25    | 3.74 | 894   | 0.00  |
| 48             | 4.72              | 10.5 | 20.1 | 36.0 | 62.3 | 100  | 148  | 193   | 222              | 223   | 196   | 151  | 103  | 63.9 | 37.3 | 20.8 | 10.9    | 4.86 | 1607  | 747   |
| 40             | 5.75              | 13.2 | 27.1 | 53.4 | 102  | 182  | 293  | 405   | 477              | 482   | 418   | 309  | 195  | 108  | 56.1 | 28.2 | 13.8    | 5.97 | 3175  | 2725  |
| 32             | 6.67              | 15.9 | 34.7 | 74.0 | 153  | 290  | 479  | 665   | 782              | 790   | 685   | 504  | 309  | 162  | 77.4 | 36.0 | 16.6    | 7.01 | 5088  | 4734  |
| 24             | 7.48              | 18.5 | 43.2 | 99.8 | 224  | 447  | 739  | 1010  | 1173             | 1183  | 1034  | 769  | 469  | 236  | 104  | 44.0 | 19.1    | 7.84 | 7628  | 7335  |
|                | 8.21              | 20.6 | 49.3 | 121  | 282  | 571  | 944  | 1278  | 1471             | 1485  | 1314  | 989  | 606  | 300  | 126  | 51.3 | 20.9    | 8.34 | 9646  | 9382  |
|                | 8.74              | 22.2 | 53.7 | 133  | 320  | 647  | 1063 | 1425  | 1620             | 1636  | 1472  | 1124 | 698  | 345  | 143  | 55.2 | 21.7    | 8.52 | 10796 | 10542 |
|                | 8.74              | 22.2 | 53.7 | 133  | 320  | 647  | 1063 | 1425  | 1620             | 1636  | 1472  | 1124 | 698  | 345  | 143  | 55.2 | 21.7    | 8.52 | 10796 | 10542 |
|                | 8.21              | 20.6 | 49.3 | 121  | 282  | 571  | 944  | 1278  | 1471             | 1485  | 1314  | 989  | 606  | 300  | 126  | 51.3 | 20.9    | 8.34 | 9646  | 9382  |
| -24            | 7.48              | 18.5 | 43.2 | 99.8 | 224  | 447  | 739  | 1010  | 1173             | 1183  | 1034  | 769  | 469  | 236  | 104  | 44.0 | 19.1    | 7.84 | 7628  | 7335  |
| -32            | 6.67              | 15.9 | 34.7 | 74.0 | 153  | 290  | 479  | 665   | 782              | 790   | 685   | 504  | 309  | 162  | 77.4 | 36.0 | 16.6    | 7.01 | 5088  | 4734  |
| -40            | 5.75              | 13.2 | 27.1 | 53.4 | 102  | 182  | 293  | 405   | 477              | 482   | 418   | 309  | 195  | 108  | 56.1 | 28.2 | 13.8    | 5.97 | 3175  | 2725  |
| -48            | 4.72              | 10.5 | 20.1 | 36.0 | 62.3 | 100  | 148  | 193   | 222              | 223   | 196   | 151  | 103  | 63.9 | 37.3 | 20.8 | 10.9    | 4.86 | 1607  | 747   |
| -56            | 3.64              | 8.01 | 14.7 | 24.7 | 39.5 | 58.7 | 80.5 | 101   | 113              | 114   | 102   | 81.8 | 59.7 | 40.3 | 25.5 | 15.2 | 8.25    | 3.74 | 894   | 0.00  |
| -64            | 2.56              | 5.61 | 9.96 | 15.6 | 22.7 | 30.8 | 39.0 | 46.2  | 50.7             | 51.1  | 47.3  | 40.3 | 31.9 | 23.6 | 16.2 | 10.3 | 5.76    | 2.65 | 452   | 0.00  |
| -72            | 1.59              | 3.52 | 6.26 | 9.67 | 13.6 | 17.8 | 21.9 | 25.2  | 27.2             | 27.4  | 25.7  | 22.6 | 18.5 | 14.1 | 10.0 | 6.47 | 3.64    | 1.65 | 257   | 0.00  |
|                | -72               | -64  | -56  | -48  | -40  | -32  | -24  | -16   | HORIZONTAL (DEG) | 16    | 24    | 32   | 40   | 48   | 56   | 64   | 72      |      |       |       |
| Φ t            | 98.7              | 236  | 518  | 1134 | 2437 | 4690 | 7612 | 10295 | 11873            | 11983 | 10588 | 7981 | 4982 | 2586 | 1192 | 535  | 241     | 101  | 79085 | ---   |
| Φ a            | 0.00              | 0.00 | 0.00 | 347  | 1879 | 4221 | 7168 | 9821  | 11376            | 11494 | 10115 | 7535 | 4519 | 2031 | 422  | 0.00 | 0.00    | 0.00 | ---   | 70928 |

one-half-peak spread: U:26.9,D:26.9 , L:26.9,R:27.1

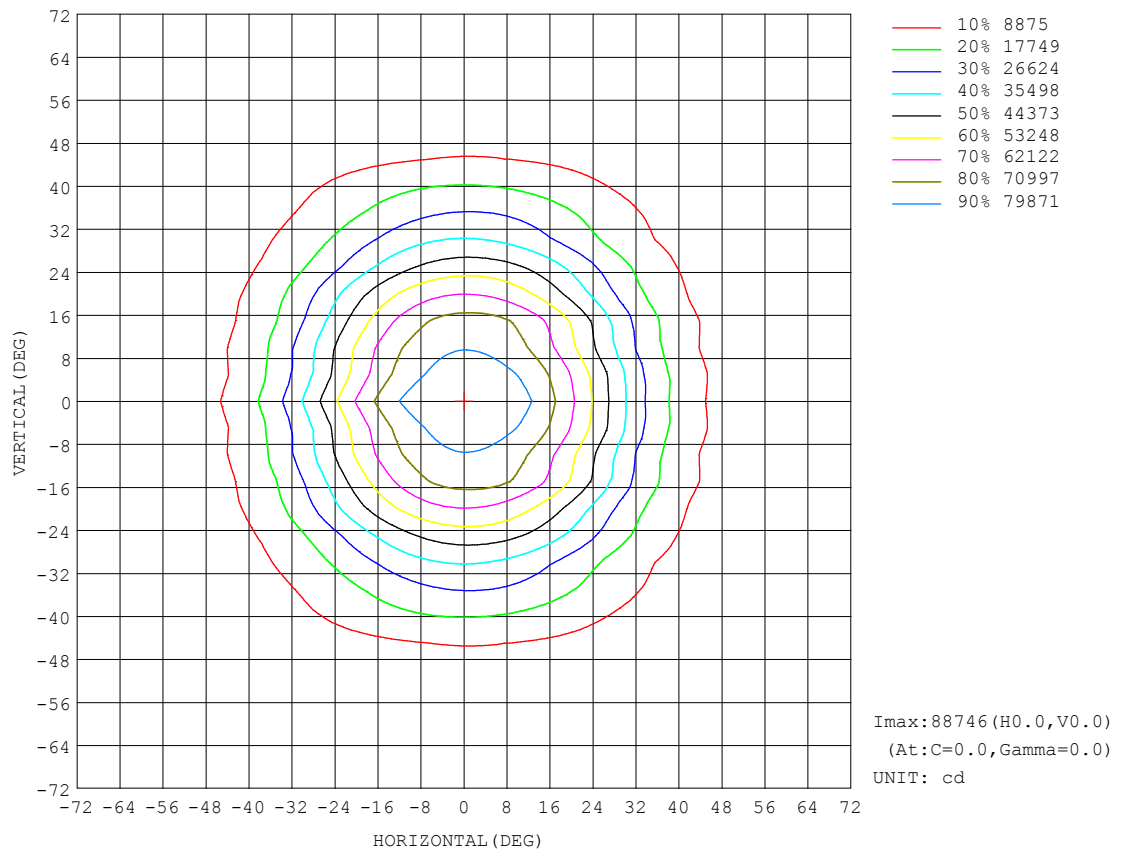
NEMA Beam Type: Type 5

C Range: 0 - 90DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:C  
Test Date:02 January 2020

γ Range:-75 - 75DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.416  
Humidity:65.0%  
Test Distance:8.000m [K=1.0000]  
Remarks:

**ISOCANDELA DIAGRAM**

|  |        |  |
|--|--------|--|
| Test:U:242.40V I:2.1643A P:502.20W PF:0.9572 Freq:49.97Hz Lamp Flux:79377.7x1 lm |        |  |
| NAME: HL-SP06-500W-60°   | TYPE:0 |  |
| MFR.: EVERFINE   |        |  |
|  |        |  |

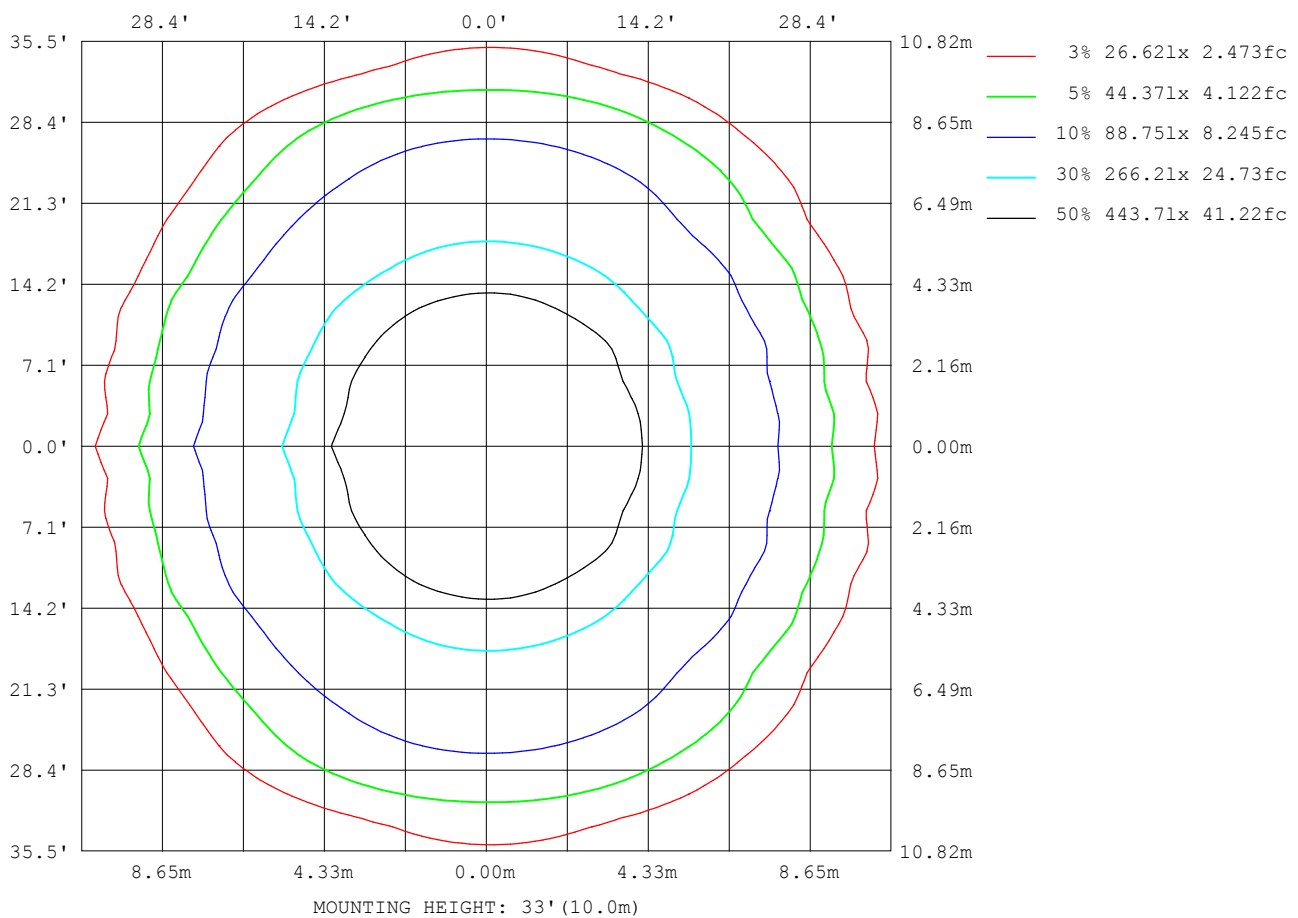


C Range: 0 - 90DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:C  
 Test Date:02 January 2020

γ Range:-75 - 75DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.416  
 Humidity:65.0%  
 Test Distance:8.000m [K=1.0000]  
 Remarks:

**ISOLUX DIAGRAM**

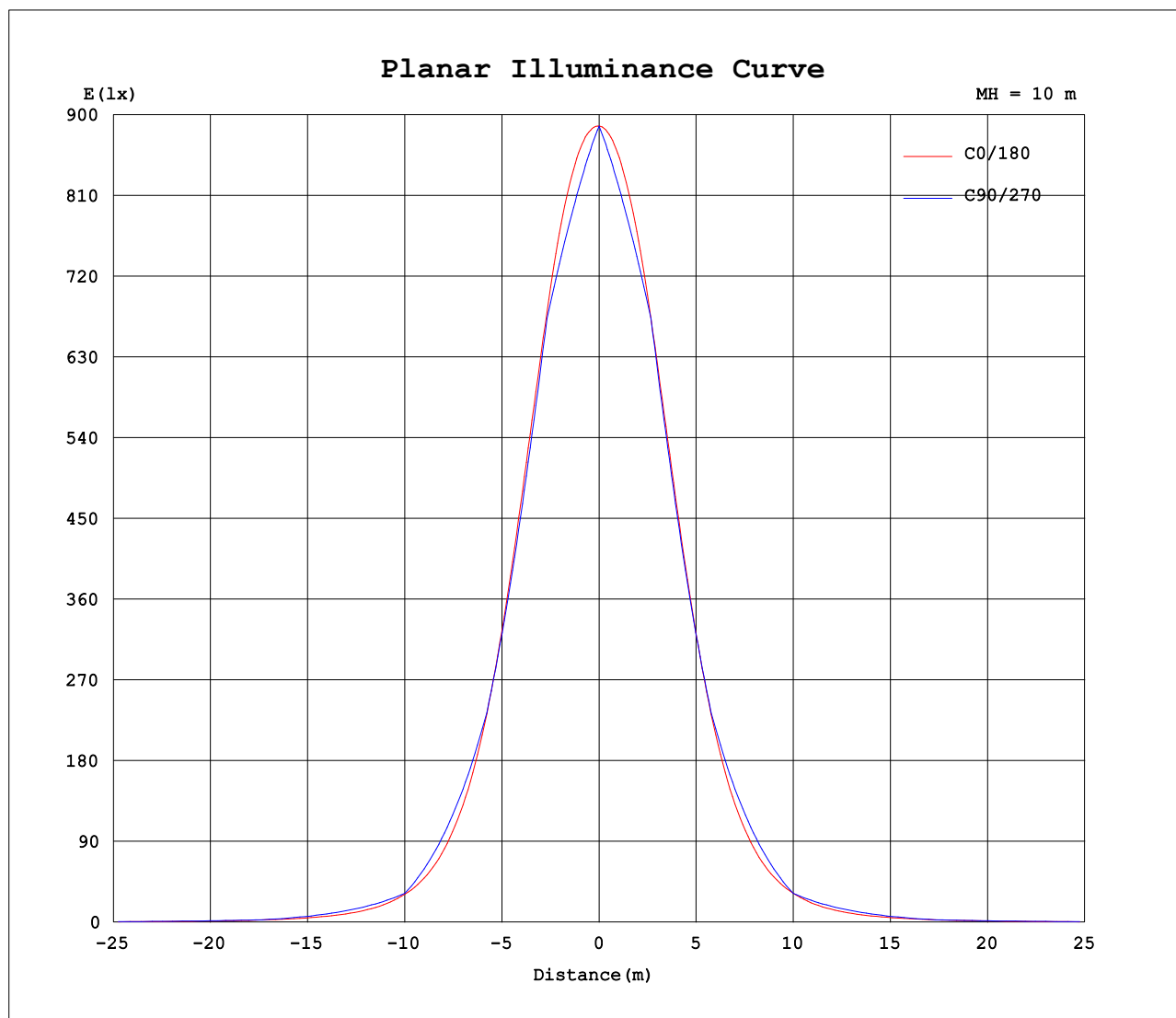
|  |        |  |
|--|--------|--|
| Test:U:242.40V I:2.1643A P:502.20W PF:0.9572 Freq:49.97Hz Lamp Flux:79377.7x1 lm |        |  |
| NAME: HL-SP06-500W-60°   | TYPE:0 |  |
| MFR.: EVERFINE   |        |  |
|  |        |  |



C Range: 0 - 90DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: C  
 Test Date: 02 January 2020

γ Range: -75 - 75DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.416  
 Humidity: 65.0%  
 Test Distance: 8.000m [K=1.0000]  
 Remarks:

# Planar Illuminance Curve

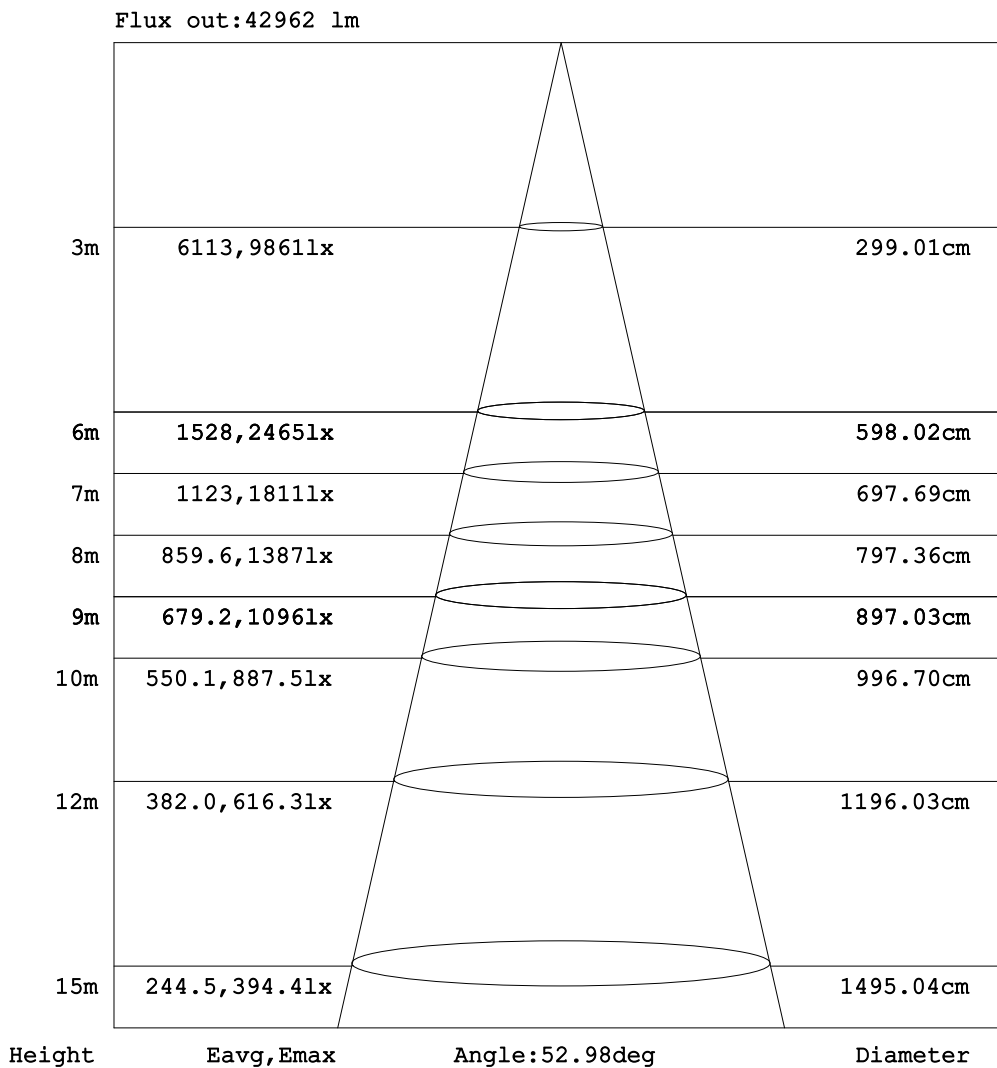


C Range: 0 - 90DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: C  
 Test Date: 02 January 2020

$\gamma$  Range: -75 - 75DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.416  
 Humidity: 65.0%  
 Test Distance: 8.000m [K=1.0000]  
 Remarks:

### AAI Figure

|  |        |  |
|--|--------|--|
| Test:U:242.40V I:2.1643A P:502.20W PF:0.9572 Freq:49.97Hz Lamp Flux:79377.7x1 lm |        |  |
| NAME: HL-SP06-500W-60°   | TYPE:0 |  |
| MFR.: EVERFINE   |        |  |
|  |        |  |



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

C Range: 0 - 90DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:C  
Test Date:02 January 2020

γ Range:-75 - 75DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.416  
Humidity:65.0%  
Test Distance:8.000m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

|  |        |  |
|--|--------|--|
| Test:U:242.40V I:2.1643A P:502.20W PF:0.9572 Freq:49.97Hz Lamp Flux:79377.7x1 lm |        |  |
| NAME: HL-SP06-500W-60°   | TYPE:0 |  |
| MFR.: EVERFINE   |        |  |
|  |        |  |

Table--1

UNIT: ×10cd

| 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                | 0.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 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                | 0.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 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                | 0.64 | 0.17 | 0.22 | 0.27 | 0.34 | 0.80 | 0.32 | 1.10 | 0.65 | 0.81 | 1.26 | 1.39 | 1.33 | 0.78 | 1.03 | 1.36 | 1.34 | 0.46 | 0.00 |
| -75                | 0.64 | 0.65 | 1.54 | 4.49 | 8.15 | 12.4 | 17.2 | 22.4 | 27.7 | 33.2 | 38.4 | 43.3 | 48.1 | 52.4 | 56.4 | 59.6 | 61.7 | 63.2 | 63.9 |
| -70                | 0.64 | 1.07 | 3.80 | 9.19 | 15.6 | 23.0 | 31.1 | 39.8 | 48.8 | 58.0 | 67.3 | 76.7 | 85.7 | 94.4 | 102  | 109  | 115  | 118  | 119  |
| -65                | 0.64 | 1.32 | 5.45 | 12.8 | 22.1 | 32.2 | 43.2 | 54.9 | 67.2 | 80.0 | 93.1 | 107  | 120  | 133  | 146  | 157  | 166  | 172  | 175  |
| -60                | 0.64 | 1.69 | 7.22 | 17.3 | 28.7 | 42.3 | 57.1 | 72.7 | 89.3 | 106  | 124  | 143  | 162  | 180  | 198  | 212  | 222  | 230  | 230  |
| -55                | 0.64 | 2.44 | 10.4 | 23.3 | 37.3 | 52.8 | 70.3 | 90.7 | 114  | 141  | 173  | 211  | 252  | 297  | 342  | 385  | 421  | 446  | 458  |
| -50                | 0.64 | 2.94 | 12.3 | 26.5 | 45.6 | 66.3 | 88.0 | 114  | 145  | 184  | 233  | 293  | 359  | 432  | 507  | 576  | 633  | 671  | 686  |
| -45                | 0.64 | 3.46 | 13.8 | 31.9 | 51.3 | 76.5 | 104  | 135  | 172  | 218  | 281  | 361  | 455  | 564  | 670  | 759  | 839  | 903  | 913  |
| -40                | 0.64 | 4.77 | 17.4 | 38.4 | 59.5 | 85.7 | 122  | 163  | 218  | 296  | 403  | 548  | 733  | 959  | 1206 | 1435 | 1635 | 1763 | 1810 |
| -35                | 0.64 | 5.78 | 21.2 | 42.2 | 69.0 | 95.0 | 138  | 188  | 257  | 355  | 502  | 702  | 965  | 1303 | 1685 | 2055 | 2379 | 2604 | 2703 |
| -30                | 0.64 | 6.48 | 24.0 | 46.1 | 76.0 | 107  | 153  | 218  | 308  | 447  | 648  | 928  | 1305 | 1781 | 2303 | 2812 | 3229 | 3510 | 3602 |
| -25                | 0.64 | 7.14 | 25.5 | 50.5 | 79.5 | 118  | 169  | 245  | 350  | 532  | 793  | 1176 | 1706 | 2368 | 3074 | 3767 | 4332 | 4719 | 4887 |
| -20                | 0.64 | 7.70 | 26.9 | 54.0 | 83.3 | 128  | 185  | 272  | 416  | 643  | 989  | 1545 | 2287 | 3161 | 4085 | 4933 | 5603 | 6032 | 6184 |
| -15                | 0.64 | 8.25 | 28.3 | 56.6 | 87.4 | 137  | 199  | 292  | 459  | 702  | 1129 | 1743 | 2625 | 3682 | 4801 | 5832 | 6661 | 7211 | 7466 |
| -10                | 0.64 | 8.76 | 29.7 | 58.9 | 92.6 | 143  | 209  | 311  | 488  | 808  | 1266 | 2026 | 3012 | 4228 | 5429 | 6481 | 7291 | 7770 | 7942 |
| -5                 | 0.64 | 9.21 | 30.8 | 60.6 | 96.8 | 148  | 219  | 330  | 503  | 784  | 1311 | 2112 | 3142 | 4355 | 5658 | 6810 | 7661 | 8182 | 8400 |
| 0                  | 0.64 | 9.57 | 31.7 | 61.8 | 99.6 | 151  | 227  | 351  | 558  | 911  | 1501 | 2396 | 3573 | 4932 | 6284 | 7465 | 8272 | 8724 | 8875 |
| 5                  | 0.64 | 9.21 | 30.8 | 60.6 | 96.8 | 148  | 219  | 330  | 503  | 784  | 1311 | 2112 | 3142 | 4355 | 5658 | 6810 | 7661 | 8182 | 8400 |
| 10                 | 0.64 | 8.76 | 29.7 | 58.9 | 92.6 | 143  | 209  | 311  | 488  | 808  | 1266 | 2026 | 3012 | 4228 | 5429 | 6481 | 7291 | 7770 | 7942 |
| 15                 | 0.64 | 8.25 | 28.3 | 56.6 | 87.4 | 137  | 199  | 292  | 459  | 702  | 1129 | 1743 | 2625 | 3682 | 4801 | 5832 | 6661 | 7211 | 7466 |
| 20                 | 0.64 | 7.70 | 26.9 | 54.0 | 83.3 | 128  | 185  | 272  | 416  | 643  | 989  | 1545 | 2287 | 3161 | 4085 | 4933 | 5603 | 6032 | 6184 |
| 25                 | 0.64 | 7.14 | 25.5 | 50.5 | 79.5 | 118  | 169  | 245  | 350  | 532  | 793  | 1176 | 1706 | 2368 | 3074 | 3767 | 4332 | 4719 | 4887 |
| 30                 | 0.64 | 6.48 | 24.0 | 46.1 | 76.0 | 107  | 153  | 218  | 308  | 447  | 648  | 928  | 1305 | 1781 | 2303 | 2812 | 3229 | 3510 | 3602 |
| 35                 | 0.64 | 5.78 | 21.2 | 42.2 | 69.0 | 95.0 | 138  | 188  | 257  | 355  | 502  | 702  | 965  | 1303 | 1685 | 2055 | 2379 | 2604 | 2703 |
| 40                 | 0.64 | 4.77 | 17.4 | 38.4 | 59.5 | 85.7 | 122  | 163  | 218  | 296  | 403  | 548  | 733  | 959  | 1206 | 1435 | 1635 | 1763 | 1810 |
| 45                 | 0.64 | 3.46 | 13.8 | 31.9 | 51.3 | 76.5 | 104  | 135  | 172  | 218  | 281  | 361  | 455  | 564  | 670  | 759  | 839  | 903  | 913  |
| 50                 | 0.64 | 2.94 | 12.3 | 26.5 | 45.6 | 66.3 | 88.0 | 114  | 145  | 184  | 233  | 293  | 359  | 432  | 507  | 576  | 633  | 671  | 686  |
| 55                 | 0.64 | 2.44 | 10.4 | 23.3 | 37.3 | 52.8 | 70.3 | 90.7 | 114  | 141  | 173  | 211  | 252  | 297  | 342  | 385  | 421  | 446  | 458  |
| 60                 | 0.64 | 1.69 | 7.22 | 17.3 | 28.7 | 42.3 | 57.1 | 72.7 | 89.3 | 106  | 124  | 143  | 162  | 180  | 198  | 212  | 222  | 230  | 230  |
| 65                 | 0.64 | 1.32 | 5.45 | 12.8 | 22.1 | 32.2 | 43.2 | 54.9 | 67.2 | 80.0 | 93.1 | 107  | 120  | 133  | 146  | 157  | 166  | 172  | 175  |
| 70                 | 0.64 | 1.07 | 3.80 | 9.19 | 15.6 | 23.0 | 31.1 | 39.8 | 48.8 | 58.0 | 67.3 | 76.7 | 85.7 | 94.4 | 102  | 109  | 115  | 118  | 119  |
| 75                 | 0.64 | 0.65 | 1.54 | 4.49 | 8.15 | 12.4 | 17.2 | 22.4 | 27.7 | 33.2 | 38.4 | 43.3 | 48.1 | 52.4 | 56.4 | 59.6 | 61.7 | 63.2 | 63.9 |
| 80                 | 0.64 | 0.17 | 0.22 | 0.27 | 0.34 | 0.80 | 0.32 | 1.10 | 0.65 | 0.81 | 1.26 | 1.39 | 1.33 | 0.78 | 1.03 | 1.36 | 1.34 | 0.46 | 0.00 |
| 85                 | 0.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 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                 | 0.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

C Range: 0 - 90DEG

C Interval: 5.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:C

Test Date:02 January 2020

γ Range:-75 - 75DEG

γ Interval: 0.5DEG

Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.416

Humidity:65.0%

Test Distance:8.000m [K=1.0000]

Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

|  |        |  |
|--|--------|--|
| Test:U:242.40V I:2.1643A P:502.20W PF:0.9572 Freq:49.97Hz Lamp Flux:79377.7x1 lm |        |  |
| NAME: HL-SP06-500W-60°   | TYPE:0 |  |
| MFR.: EVERFINE   |        |  |
|  |        |  |

Table--2

UNIT: ×10cd

| 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 |  |
| -85                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 |  |
| -80                | 0.46 | 1.36 | 1.39 | 1.06 | 0.80 | 1.37 | 1.44 | 1.32 | 0.86 | 0.70 | 1.19 | 0.36 | 0.89 | 0.39 | 0.32 | 0.29 | 0.19 | 0.80 |  |
| -75                | 63.6 | 62.4 | 60.6 | 57.6 | 53.8 | 49.6 | 44.9 | 40.0 | 34.7 | 29.3 | 23.9 | 18.6 | 13.5 | 8.91 | 5.12 | 1.96 | 0.66 | 0.80 |  |
| -70                | 119  | 116  | 111  | 104  | 95.7 | 86.9 | 77.6 | 68.0 | 58.5 | 49.2 | 40.0 | 31.3 | 23.1 | 15.6 | 8.85 | 3.48 | 1.08 | 0.80 |  |
| -65                | 174  | 170  | 162  | 152  | 140  | 127  | 113  | 98.4 | 84.3 | 70.8 | 57.6 | 45.2 | 33.5 | 22.9 | 13.8 | 5.81 | 1.34 | 0.80 |  |
| -60                | 232  | 225  | 216  | 202  | 185  | 166  | 146  | 126  | 108  | 90.3 | 73.6 | 58.2 | 43.9 | 30.8 | 18.4 | 8.13 | 1.64 | 0.80 |  |
| -55                | 453  | 433  | 400  | 358  | 313  | 267  | 224  | 185  | 151  | 122  | 97.3 | 75.7 | 55.5 | 37.5 | 22.0 | 9.47 | 1.80 | 0.80 |  |
| -50                | 672  | 633  | 575  | 505  | 430  | 358  | 293  | 236  | 188  | 149  | 117  | 89.6 | 64.9 | 45.3 | 29.2 | 12.8 | 2.56 | 0.80 |  |
| -45                | 917  | 864  | 789  | 699  | 590  | 479  | 383  | 303  | 236  | 184  | 141  | 106  | 77.5 | 55.6 | 33.7 | 16.8 | 3.49 | 0.80 |  |
| -40                | 1766 | 1637 | 1444 | 1208 | 964  | 740  | 555  | 410  | 302  | 223  | 165  | 122  | 91.2 | 62.5 | 36.5 | 18.4 | 3.64 | 0.80 |  |
| -35                | 2659 | 2479 | 2192 | 1818 | 1434 | 1077 | 776  | 552  | 393  | 276  | 195  | 141  | 105  | 67.7 | 41.8 | 19.8 | 4.05 | 0.80 |  |
| -30                | 3517 | 3241 | 2842 | 2334 | 1825 | 1327 | 932  | 653  | 457  | 320  | 220  | 159  | 114  | 74.3 | 46.2 | 21.6 | 4.77 | 0.80 |  |
| -25                | 4818 | 4514 | 4001 | 3348 | 2598 | 1894 | 1303 | 858  | 561  | 381  | 251  | 176  | 122  | 83.2 | 49.2 | 24.2 | 5.40 | 0.80 |  |
| -20                | 6053 | 5645 | 4996 | 4162 | 3221 | 2304 | 1566 | 1026 | 649  | 419  | 282  | 191  | 129  | 90.1 | 52.1 | 26.2 | 6.00 | 0.80 |  |
| -15                | 7358 | 6940 | 6198 | 5243 | 4076 | 2942 | 1997 | 1225 | 782  | 469  | 316  | 203  | 135  | 94.7 | 54.9 | 27.5 | 6.40 | 0.80 |  |
| -10                | 7807 | 7348 | 6582 | 5504 | 4279 | 3112 | 2071 | 1321 | 783  | 508  | 327  | 209  | 140  | 96.1 | 56.7 | 28.2 | 6.64 | 0.80 |  |
| -5                 | 8335 | 7960 | 7220 | 6138 | 4867 | 3514 | 2342 | 1482 | 917  | 544  | 333  | 215  | 143  | 96.0 | 57.4 | 28.3 | 6.72 | 0.80 |  |
| 0                  | 8773 | 8361 | 7548 | 6367 | 4985 | 3582 | 2379 | 1473 | 882  | 533  | 332  | 217  | 145  | 94.6 | 57.3 | 27.9 | 6.66 | 0.80 |  |
| 5                  | 8335 | 7960 | 7220 | 6138 | 4867 | 3514 | 2342 | 1482 | 917  | 544  | 333  | 215  | 143  | 96.0 | 57.4 | 28.3 | 6.72 | 0.80 |  |
| 10                 | 7807 | 7348 | 6582 | 5504 | 4279 | 3112 | 2071 | 1321 | 783  | 508  | 327  | 209  | 140  | 96.1 | 56.7 | 28.2 | 6.64 | 0.80 |  |
| 15                 | 7358 | 6940 | 6198 | 5243 | 4076 | 2942 | 1997 | 1225 | 782  | 469  | 316  | 203  | 135  | 94.7 | 54.9 | 27.5 | 6.40 | 0.80 |  |
| 20                 | 6053 | 5645 | 4996 | 4162 | 3221 | 2304 | 1566 | 1026 | 649  | 419  | 282  | 191  | 129  | 90.1 | 52.1 | 26.2 | 6.00 | 0.80 |  |
| 25                 | 4818 | 4514 | 4001 | 3348 | 2598 | 1894 | 1303 | 858  | 561  | 381  | 251  | 176  | 122  | 83.2 | 49.2 | 24.2 | 5.40 | 0.80 |  |
| 30                 | 3517 | 3241 | 2842 | 2334 | 1825 | 1327 | 932  | 653  | 457  | 320  | 220  | 159  | 114  | 74.3 | 46.2 | 21.6 | 4.77 | 0.80 |  |
| 35                 | 2659 | 2479 | 2192 | 1818 | 1434 | 1077 | 776  | 552  | 393  | 276  | 195  | 141  | 105  | 67.7 | 41.8 | 19.8 | 4.05 | 0.80 |  |
| 40                 | 1766 | 1637 | 1444 | 1208 | 964  | 740  | 555  | 410  | 302  | 223  | 165  | 122  | 91.2 | 62.5 | 36.5 | 18.4 | 3.64 | 0.80 |  |
| 45                 | 917  | 864  | 789  | 699  | 590  | 479  | 383  | 303  | 236  | 184  | 141  | 106  | 77.5 | 55.6 | 33.7 | 16.8 | 3.49 | 0.80 |  |
| 50                 | 672  | 633  | 575  | 505  | 430  | 358  | 293  | 236  | 188  | 149  | 117  | 89.6 | 64.9 | 45.3 | 29.2 | 12.8 | 2.56 | 0.80 |  |
| 55                 | 453  | 433  | 400  | 358  | 313  | 267  | 224  | 185  | 151  | 122  | 97.3 | 75.7 | 55.5 | 37.5 | 22.0 | 9.47 | 1.80 | 0.80 |  |
| 60                 | 232  | 225  | 216  | 202  | 185  | 166  | 146  | 126  | 108  | 90.3 | 73.6 | 58.2 | 43.9 | 30.8 | 18.4 | 8.13 | 1.64 | 0.80 |  |
| 65                 | 174  | 170  | 162  | 152  | 140  | 127  | 113  | 98.4 | 84.3 | 70.8 | 57.6 | 45.2 | 33.5 | 22.9 | 13.8 | 5.81 | 1.34 | 0.80 |  |
| 70                 | 119  | 116  | 111  | 104  | 95.7 | 86.9 | 77.6 | 68.0 | 58.5 | 49.2 | 40.0 | 31.3 | 23.1 | 15.6 | 8.85 | 3.48 | 1.08 | 0.80 |  |
| 75                 | 63.6 | 62.4 | 60.6 | 57.6 | 53.8 | 49.6 | 44.9 | 40.0 | 34.7 | 29.3 | 23.9 | 18.6 | 13.5 | 8.91 | 5.12 | 1.96 | 0.66 | 0.80 |  |
| 80                 | 0.46 | 1.36 | 1.39 | 1.06 | 0.80 | 1.37 | 1.44 | 1.32 | 0.86 | 0.70 | 1.19 | 0.36 | 0.89 | 0.39 | 0.32 | 0.29 | 0.19 | 0.80 |  |
| 85                 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 |  |
| 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 | 0.80 |  |

C Range: 0 - 90DEG

C Interval: 5.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:C

Test Date:02 January 2020

γ Range:-75 - 75DEG

γ Interval: 0.5DEG

Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.416

Humidity:65.0%

Test Distance:8.000m [K=1.0000]

Remarks: