

# Floodlight Summary:

Report based on lamp delivering 1000 lumens.

|                                    |                        |
|------------------------------------|------------------------|
| Maximum Intensity                  | 360.1 cd per klm.      |
| (Luminaire orientation as tested.) | 0.0 degrees vertical   |
|                                    | 0.0 degrees horizontal |

|             |                |                 |
|-------------|----------------|-----------------|
| Beam Spread | At 10% of Imax | 145.0V x 149.5H |
|             | At 50% of Imax | 110.7V x 116.2H |
|             | At 90% of Imax | 56.6V x 55.5H   |

|           |                |                       |
|-----------|----------------|-----------------------|
| Beam Flux | Total          | 998.3 lumens per klm. |
|           | To 10% of Imax | 985.9 lumens per klm. |
|           | To 50% of Imax | 805.4 lumens per klm. |
|           | To 90% of Imax | 246.8 lumens per klm. |

|              |        |
|--------------|--------|
| Upward LOR   | 0.0 %  |
| Downward LOR | 99.8 % |

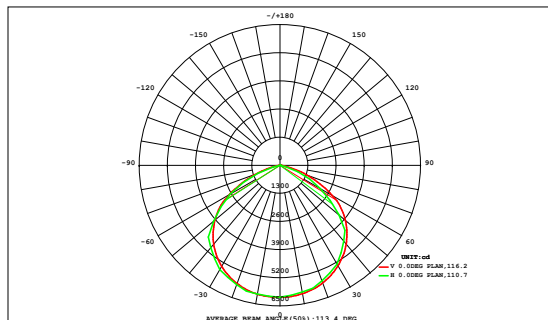
|                                          |         |
|------------------------------------------|---------|
| Luminaire Efficiency(Light Output Ratio) | 100.0 % |
|------------------------------------------|---------|

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:sepehrmonavar  
Test Date:28 January 2020

V(B) Range:-75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.0.361  
Humidity:35%  
Test Distance:5.000m [K=1.0000]  
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

|                                                                               |          |                  |
|-------------------------------------------------------------------------------|----------|------------------|
| Test:U:220.2V I:1.398A P:146.2W PF:0.4748 Freq:50.00Hz Lamp Flux:4234.58x4 lm |          |                  |
| NAME: Floodlight-ECO-150W-Wh                                                  | TYPE:SMD | WEIGHT:          |
| SPEC.:4                                                                       | DIM.:    | SERIAL No.:1     |
| MFR.: Sepehr Monavar Co.                                                      | SUR.:    | Shielding Angle: |



| DATA OF LAMP                |         | Eff:115.84lm/W  |            |
|-----------------------------|---------|-----------------|------------|
| MODEIFloodlight-ECO-150W-Wh |         | Imax(cd)        | 6100       |
| NOMINAL POWER(W)            | 150     | AVAILABILITY(%) | 98.8       |
| RATED VOLTAGE(V)            | 220     | Avai. FLUX(lm)  | 16739      |
| NOMINAL FLUX(lm)            | 4234.58 | LOR(%)          | 100.0      |
| LAMPS INSIDE                | 4       | TOTAL FLUX(lm)  | 16938      |
| TEST VOLTAGE(V)             | 220     | θ @50%(H,V)     | 116,111DEG |

| VERTICAL( DEG )   | AREA FLUX DIAGRAM |      |      |      |      |      |      |      |      |      |      |      |       |      |      |      | UNIT:lm |      | Φ t   | Φ a   |
|-------------------|-------------------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|---------|------|-------|-------|
|                   | 0.00              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00  | 0.00  |
| 90                | 0.00              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 60.5  | 3.75  |
| 80                | 0.01              | 0.14 | 0.66 | 1.69 | 3.10 | 4.60 | 5.95 | 6.92 | 7.41 | 7.38 | 6.82 | 5.82 | 4.48  | 3.02 | 1.66 | 0.66 | 0.14    | 0.01 | 462   | 446   |
| 70                | 0.03              | 0.53 | 4.14 | 12.4 | 24.2 | 36.1 | 45.7 | 52.8 | 56.5 | 56.4 | 52.5 | 45.2 | 35.4  | 23.6 | 12.0 | 3.97 | 0.53    | 0.03 | 840   | 832   |
| 60                | 0.05              | 1.14 | 8.52 | 24.2 | 45.2 | 65.5 | 82.2 | 94.5 | 101  | 101  | 94.2 | 81.7 | 64.6  | 44.1 | 23.2 | 7.99 | 1.10    | 0.05 | 1212  | 1207  |
| 50                | 0.07              | 2.39 | 15.1 | 39.0 | 67.6 | 93.6 | 116  | 132  | 141  | 141  | 133  | 116  | 93.5  | 66.9 | 37.6 | 13.9 | 2.08    | 0.06 | 1392  | 1388  |
| 40                | 0.08              | 3.38 | 19.2 | 47.1 | 77.9 | 107  | 131  | 149  | 159  | 159  | 150  | 133  | 108   | 78.6 | 47.1 | 18.9 | 3.35    | 0.09 | 1540  | 1537  |
| 30                | 0.09              | 4.21 | 22.6 | 53.7 | 86.3 | 117  | 144  | 163  | 173  | 174  | 165  | 146  | 120   | 88.3 | 55.0 | 23.2 | 4.47    | 0.11 | 1623  | 1620  |
| 20                | 0.10              | 4.76 | 24.7 | 57.4 | 91.2 | 123  | 151  | 171  | 181  | 182  | 172  | 153  | 126   | 93.7 | 59.3 | 26.1 | 5.33    | 0.13 | 1642  | 1639  |
| 10                | 0.11              | 5.14 | 25.6 | 58.6 | 92.7 | 125  | 153  | 173  | 183  | 184  | 174  | 155  | 127   | 94.6 | 59.9 | 26.2 | 5.28    | 0.13 | 1635  | 1632  |
| 0                 | 0.11              | 5.24 | 25.7 | 58.6 | 92.5 | 125  | 152  | 172  | 183  | 183  | 173  | 154  | 127   | 93.8 | 59.1 | 25.6 | 5.03    | 0.11 | 1576  | 1573  |
| -10               | 0.11              | 4.80 | 24.3 | 56.0 | 89.2 | 121  | 148  | 167  | 177  | 178  | 168  | 149  | 122   | 89.5 | 55.6 | 23.3 | 4.34    | 0.10 | 1448  | 1445  |
| -20               | 0.10              | 3.75 | 20.5 | 49.5 | 81.2 | 111  | 137  | 155  | 165  | 165  | 156  | 138  | 112   | 81.7 | 49.4 | 19.8 | 3.43    | 0.09 | 1292  | 1288  |
| -30               | 0.08              | 2.68 | 16.4 | 41.9 | 71.5 | 99.1 | 123  | 140  | 150  | 150  | 141  | 124  | 100.0 | 72.0 | 41.8 | 15.9 | 2.46    | 0.07 | 1077  | 1071  |
| -40               | 0.06              | 1.57 | 11.5 | 31.9 | 58.6 | 83.1 | 104  | 120  | 128  | 128  | 120  | 105  | 83.3  | 58.4 | 31.3 | 10.9 | 1.38    | 0.06 | 704   | 695   |
| -50               | 0.04              | 0.90 | 6.65 | 19.6 | 37.1 | 54.7 | 69.3 | 80.1 | 85.8 | 85.8 | 80.0 | 69.0 | 54.2  | 36.1 | 18.4 | 5.94 | 0.75    | 0.04 | 358   | 336   |
| -60               | 0.03              | 0.38 | 2.72 | 8.90 | 17.9 | 28.1 | 36.1 | 42.1 | 45.2 | 45.1 | 41.7 | 35.5 | 27.2  | 16.7 | 7.74 | 2.14 | 0.29    | 0.02 | 76.6  | 25.3  |
| -70               | 0.02              | 0.19 | 0.87 | 2.25 | 4.15 | 6.12 | 7.78 | 8.98 | 9.56 | 9.45 | 8.67 | 7.31 | 5.50  | 3.45 | 1.67 | 0.55 | 0.12    | 0.01 | 0.00  | 0.00  |
| -80               | 0.00              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00  | 0.00  |
| -90               | 0.00              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00 | 0.00 | 0.00 | 0.00    | 0.00 | 0.00  | 0.00  |
| HORIZONTAL( DEG ) |                   |      |      |      |      |      |      |      |      |      |      |      |       |      |      |      |         |      |       |       |
| Φ t               | 1.10              | 41.2 | 229  | 563  | 940  | 1300 | 1605 | 1828 | 1947 | 1949 | 1836 | 1616 | 1309  | 945  | 561  | 225  | 40.1    | 1.11 | 16938 | ---   |
| Φ a               | 0.00              | 22.3 | 214  | 550  | 931  | 1291 | 1595 | 1817 | 1936 | 1939 | 1825 | 1606 | 1300  | 936  | 548  | 209  | 21.7    | 0.00 | ---   | 16739 |

one-half-peak spread: U:53.8,D:57.3 , L:55.6,R:54.9

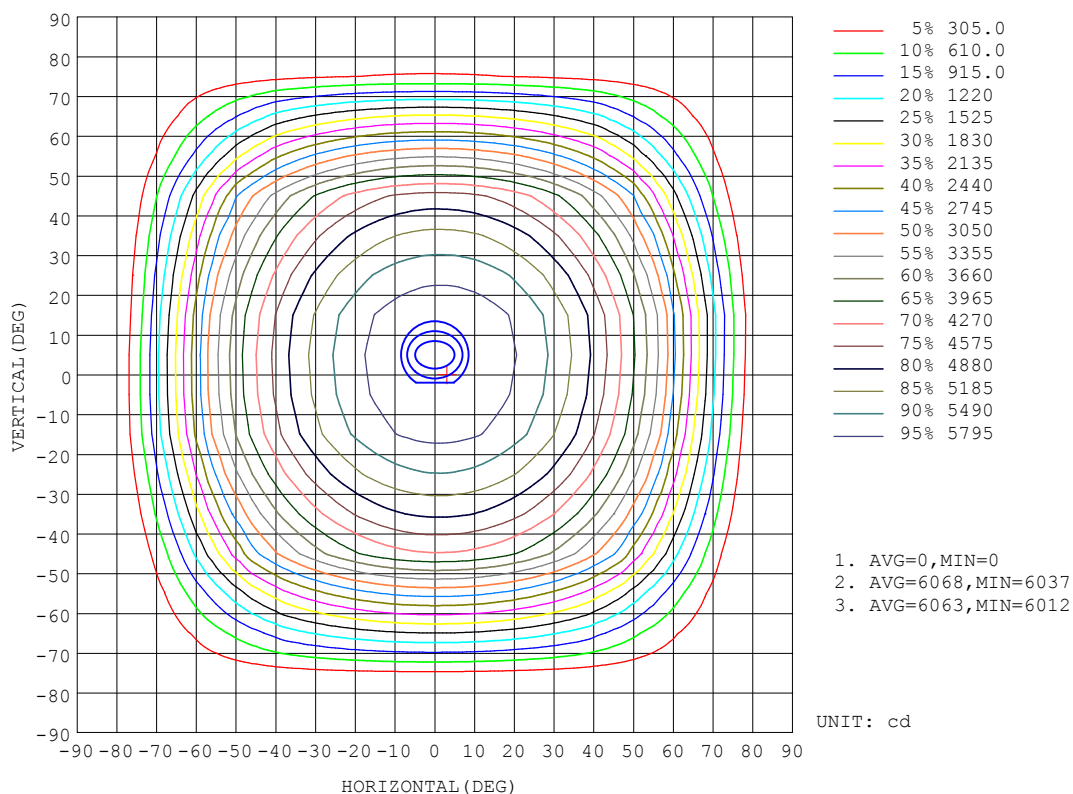
NEMA Beam Type: Type 7

H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:sepehrmonavar  
Test Date:28 January 2020

V(B) Range:-75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.0.361  
Humidity:35%  
Test Distance:5.000m [K=1.0000]  
Remarks:

# ISOCANDELA DIAGRAM

|                                                                               |          |                  |
|-------------------------------------------------------------------------------|----------|------------------|
| Test:U:220.2V I:1.398A P:146.2W PF:0.4748 Freq:50.00Hz Lamp Flux:4234.58x4 lm |          |                  |
| NAME: Floodlight-ECO-150W-Wh                                                  | TYPE:SMD | WEIGHT:          |
| SPEC.:4                                                                       | DIM.:    | SERIAL No.:1     |
| MFR.: Sepehr Monavar Co.                                                      | SUR.:    | Shielding Angle: |

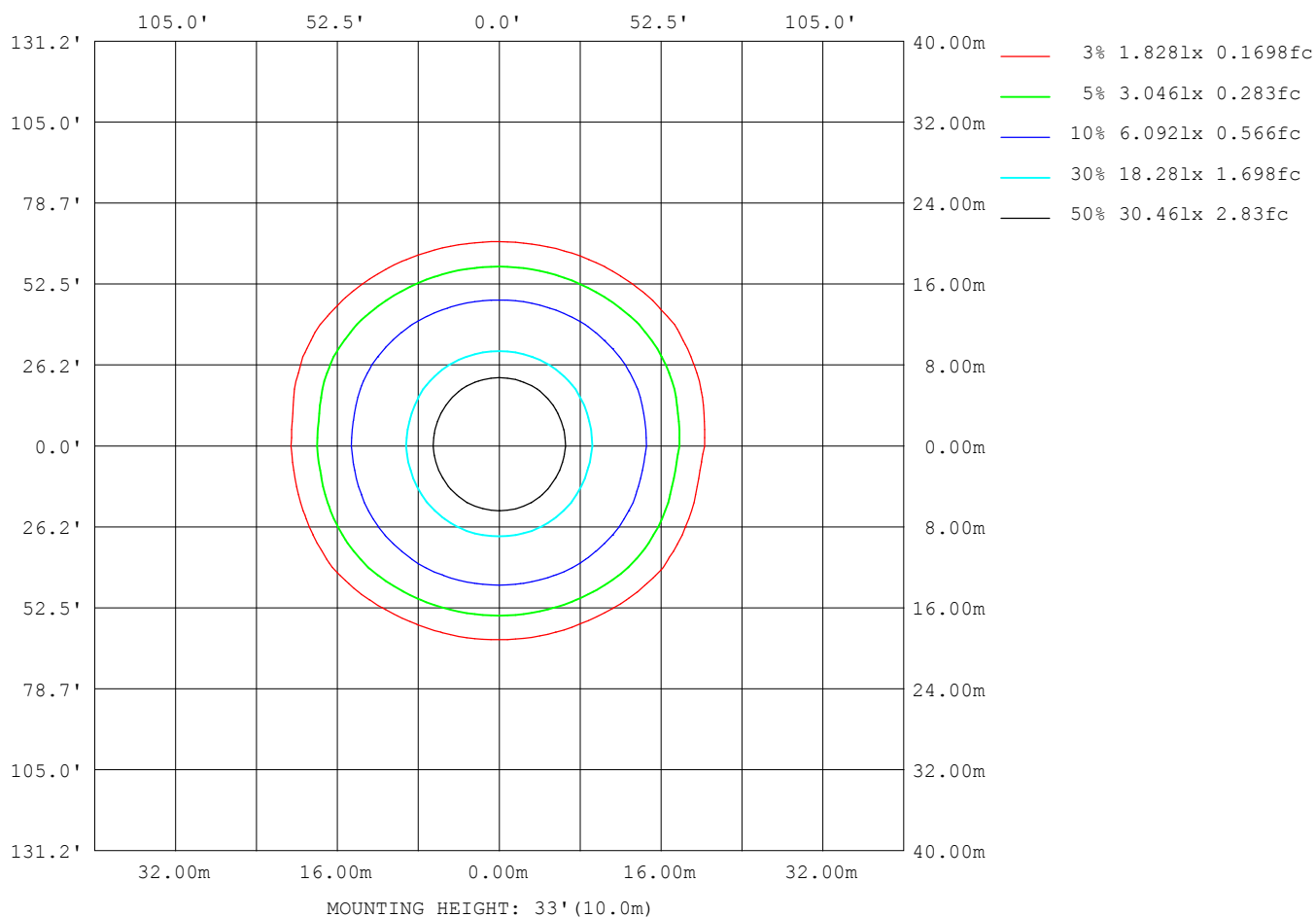


H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:sepehrmonavar  
Test Date:28 January 2020

V(B) Range:-75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.0.361  
Humidity:35%  
Test Distance:5.000m [K=1.0000]  
Remarks:

## ISOLUX DIAGRAM

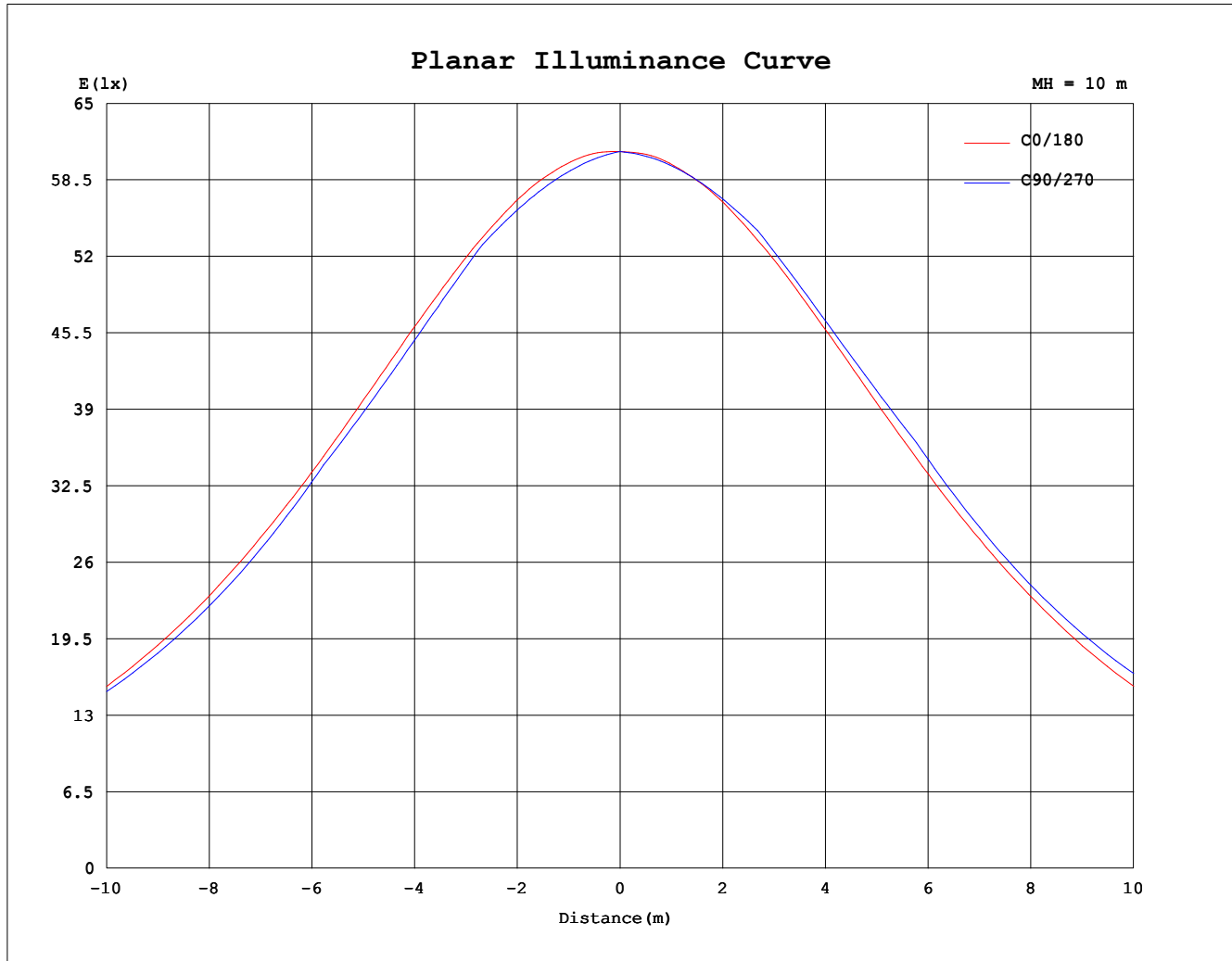
|                                                                               |          |                  |
|-------------------------------------------------------------------------------|----------|------------------|
| Test:U:220.2V I:1.398A P:146.2W PF:0.4748 Freq:50.00Hz Lamp Flux:4234.58x4 lm |          |                  |
| NAME: Floodlight-ECO-150W-Wh                                                  | TYPE:SMD | WEIGHT:          |
| SPEC.:4                                                                       | DIM.:    | SERIAL No.:1     |
| MFR.: Sepehr Monavar Co.                                                      | SUR.:    | Shielding Angle: |



H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:sepehrmonavar  
Test Date:28 January 2020

V(B) Range:-75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.0.361  
Humidity:35%  
Test Distance:5.000m [K=1.0000]  
Remarks:

# Planar Illuminance Curve

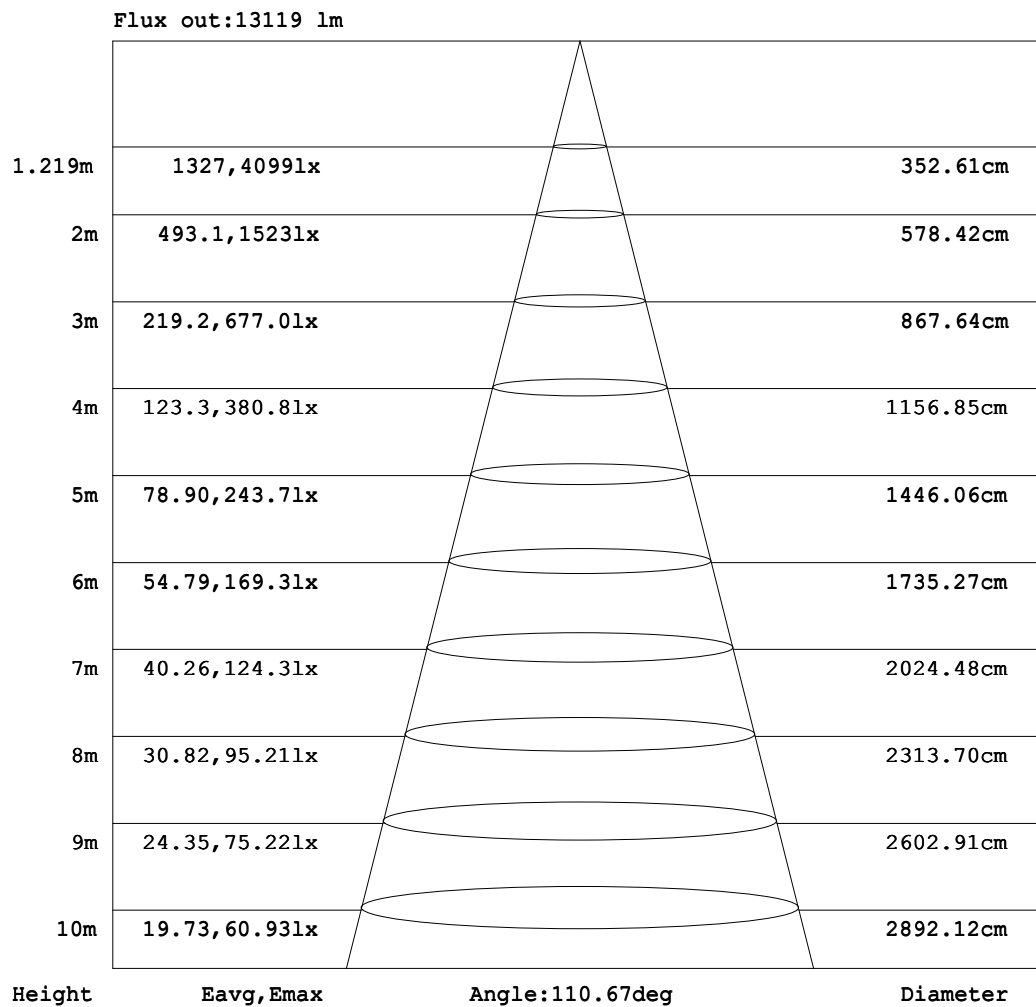


H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:sepehrmonavar  
Test Date:28 January 2020

V(B) Range:-75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.0.361  
Humidity:35%  
Test Distance:5.000m [K=1.0000]  
Remarks:

### AAI Figure

|                                                                               |          |                  |
|-------------------------------------------------------------------------------|----------|------------------|
| Test:U:220.2V I:1.398A P:146.2W PF:0.4748 Freq:50.00Hz Lamp Flux:4234.58x4 lm |          |                  |
| NAME: Floodlight-ECO-150W-Wh                                                  | TYPE:SMD | WEIGHT:          |
| SPEC.:4                                                                       | DIM.:    | SERIAL No.:1     |
| MFR.: Sepehr Monavar Co.                                                      | SUR.:    | Shielding Angle: |



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

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:sepehrmonavar  
Test Date:28 January 2020

V(B) Range:-75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.0.361  
Humidity:35%  
Test Distance:5.000m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

|                                                                               |          |                  |
|-------------------------------------------------------------------------------|----------|------------------|
| Test:U:220.2V I:1.398A P:146.2W PF:0.4748 Freq:50.00Hz Lamp Flux:4234.58x4 lm |          |                  |
| NAME: Floodlight-ECO-150W-Wh                                                  | TYPE:SMD | WEIGHT:          |
| SPEC.:4                                                                       | DIM.:    | SERIAL No.:1     |
| MFR.: Sepehr Monavar Co.                                                      | SUR.:    | Shielding Angle: |

Table--1

UNIT: cd

| H (DEG)<br>V (DEG) | -90  | -85  | -80  | -75  | -70  | -65  | -60  | -55  | -50  | -45  | -40  | -35  | -30  | -25  | -20  | -15  | -10  | -5   | 0    |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| -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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -80                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -75                | 3.63 | 4.66 | 9.09 | 19.2 | 34.1 | 53.4 | 75.9 | 101  | 126  | 152  | 175  | 196  | 215  | 231  | 243  | 252  | 259  | 262  | 263  |
| -70                | 3.57 | 6.23 | 16.9 | 35.4 | 73.2 | 145  | 233  | 326  | 423  | 515  | 610  | 679  | 736  | 784  | 824  | 855  | 877  | 888  | 891  |
| -65                | 3.56 | 5.68 | 19.1 | 43.1 | 88.8 | 204  | 350  | 512  | 680  | 841  | 1000 | 1137 | 1236 | 1321 | 1393 | 1447 | 1487 | 1511 | 1519 |
| -60                | 3.48 | 8.56 | 29.4 | 62.3 | 144  | 319  | 539  | 765  | 1005 | 1233 | 1469 | 1638 | 1772 | 1885 | 1981 | 2057 | 2110 | 2140 | 2146 |
| -55                | 3.52 | 7.09 | 29.5 | 75.1 | 210  | 453  | 753  | 1066 | 1386 | 1691 | 1950 | 2174 | 2348 | 2498 | 2622 | 2720 | 2790 | 2833 | 2848 |
| -50                | 3.45 | 11.8 | 42.3 | 123  | 362  | 703  | 1090 | 1497 | 1882 | 2256 | 2547 | 2787 | 2988 | 3161 | 3303 | 3415 | 3492 | 3537 | 3549 |
| -45                | 3.51 | 8.88 | 40.1 | 115  | 399  | 803  | 1285 | 1761 | 2243 | 2701 | 3025 | 3307 | 3550 | 3763 | 3933 | 4070 | 4167 | 4229 | 4251 |
| -40                | 3.36 | 15.8 | 56.5 | 226  | 608  | 1083 | 1601 | 2141 | 2618 | 3053 | 3383 | 3669 | 3915 | 4124 | 4295 | 4428 | 4521 | 4576 | 4593 |
| -35                | 3.38 | 12.0 | 52.7 | 231  | 645  | 1166 | 1741 | 2291 | 2833 | 3267 | 3615 | 3918 | 4187 | 4409 | 4594 | 4738 | 4842 | 4907 | 4935 |
| -30                | 3.22 | 20.6 | 71.9 | 371  | 882  | 1460 | 2073 | 2694 | 3213 | 3625 | 3979 | 4284 | 4553 | 4774 | 4958 | 5098 | 5197 | 5257 | 5278 |
| -25                | 3.26 | 15.0 | 68.7 | 348  | 873  | 1485 | 2146 | 2761 | 3308 | 3734 | 4101 | 4421 | 4702 | 4933 | 5125 | 5275 | 5383 | 5449 | 5479 |
| -20                | 3.07 | 24.7 | 111  | 505  | 1102 | 1762 | 2435 | 3081 | 3578 | 3998 | 4360 | 4680 | 4950 | 5177 | 5359 | 5502 | 5603 | 5662 | 5682 |
| -15                | 3.15 | 17.9 | 88.1 | 464  | 1083 | 1760 | 2501 | 3169 | 3669 | 4104 | 4481 | 4817 | 5094 | 5336 | 5526 | 5680 | 5789 | 5854 | 5883 |
| -10                | 2.94 | 26.9 | 135  | 597  | 1247 | 1964 | 2671 | 3331 | 3822 | 4249 | 4621 | 4949 | 5222 | 5451 | 5634 | 5778 | 5880 | 5938 | 5953 |
| -5                 | 3.06 | 17.9 | 89.5 | 504  | 1143 | 1857 | 2600 | 3283 | 3791 | 4233 | 4619 | 4957 | 5242 | 5481 | 5674 | 5829 | 5938 | 6000 | 6021 |
| 0                  | 2.83 | 27.1 | 143  | 645  | 1318 | 2065 | 2783 | 3444 | 3944 | 4379 | 4763 | 5090 | 5369 | 5598 | 5782 | 5926 | 6029 | 6082 | 6092 |
| 5                  | 3.01 | 16.7 | 87.6 | 501  | 1149 | 1868 | 2619 | 3308 | 3819 | 4264 | 4654 | 4992 | 5280 | 5519 | 5715 | 5870 | 5980 | 6042 | 6065 |
| 10                 | 2.82 | 24.2 | 129  | 594  | 1260 | 1990 | 2712 | 3383 | 3880 | 4312 | 4693 | 5021 | 5299 | 5528 | 5715 | 5860 | 5964 | 6023 | 6042 |
| 15                 | 3.01 | 14.2 | 82.3 | 457  | 1098 | 1793 | 2557 | 3244 | 3752 | 4197 | 4587 | 4923 | 5210 | 5451 | 5648 | 5803 | 5913 | 5982 | 6016 |
| 20                 | 2.79 | 22.4 | 111  | 532  | 1167 | 1862 | 2566 | 3238 | 3726 | 4151 | 4525 | 4848 | 5121 | 5350 | 5536 | 5681 | 5784 | 5846 | 5868 |
| 25                 | 2.96 | 14.0 | 70.7 | 397  | 971  | 1629 | 2314 | 2999 | 3513 | 3942 | 4321 | 4650 | 4930 | 5166 | 5358 | 5509 | 5618 | 5687 | 5719 |
| 30                 | 2.76 | 21.6 | 90.8 | 459  | 1039 | 1681 | 2344 | 3009 | 3483 | 3894 | 4257 | 4572 | 4838 | 5063 | 5245 | 5388 | 5488 | 5550 | 5571 |
| 35                 | 2.94 | 12.9 | 60.4 | 315  | 807  | 1394 | 2003 | 2642 | 3170 | 3579 | 3939 | 4253 | 4521 | 4747 | 4931 | 5076 | 5180 | 5246 | 5275 |
| 40                 | 2.80 | 18.8 | 71.6 | 339  | 813  | 1357 | 1931 | 2533 | 3032 | 3418 | 3754 | 4047 | 4299 | 4509 | 4680 | 4812 | 4906 | 4961 | 4979 |
| 45                 | 2.97 | 10.9 | 51.4 | 209  | 604  | 1088 | 1625 | 2173 | 2725 | 3108 | 3441 | 3732 | 3984 | 4195 | 4367 | 4502 | 4600 | 4659 | 4684 |
| 50                 | 2.89 | 14.0 | 52.4 | 211  | 541  | 950  | 1396 | 1872 | 2317 | 2659 | 2965 | 3215 | 3430 | 3608 | 3754 | 3866 | 3946 | 3991 | 4004 |
| 55                 | 3.09 | 6.35 | 34.9 | 112  | 321  | 636  | 998  | 1376 | 1755 | 2086 | 2381 | 2604 | 2795 | 2956 | 3089 | 3191 | 3265 | 3310 | 3326 |
| 60                 | 3.03 | 7.13 | 33.1 | 73.3 | 223  | 460  | 741  | 1028 | 1339 | 1619 | 1892 | 2074 | 2230 | 2361 | 2469 | 2550 | 2608 | 2640 | 2646 |
| 65                 | 3.21 | 3.74 | 20.6 | 49.6 | 134  | 295  | 488  | 694  | 900  | 1114 | 1307 | 1442 | 1557 | 1654 | 1734 | 1795 | 1839 | 1866 | 1874 |
| 70                 | 3.18 | 4.58 | 18.0 | 41.1 | 105  | 201  | 315  | 432  | 557  | 671  | 781  | 859  | 926  | 981  | 1027 | 1061 | 1085 | 1098 | 1100 |
| 75                 | 3.34 | 3.08 | 8.42 | 21.5 | 41.0 | 65.8 | 95.4 | 127  | 160  | 191  | 220  | 246  | 269  | 288  | 303  | 314  | 322  | 327  | 328  |
| 80                 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 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 | 0.00 | 0.00 |
| 90                 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:sepehrmonavar  
Test Date:28 January 2020

V(B) Range:-75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.0.361  
Humidity:35%  
Test Distance:5.000m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

|                                                                               |  |  |  |  |  |  |  |  |          |  |  |  |  |                  |  |  |  |  |
|-------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|----------|--|--|--|--|------------------|--|--|--|--|
| Test:U:220.2V I:1.398A P:146.2W PF:0.4748 Freq:50.00Hz Lamp Flux:4234.58x4 lm |  |  |  |  |  |  |  |  |          |  |  |  |  |                  |  |  |  |  |
| NAME: Floodlight-ECO-150W-Wh                                                  |  |  |  |  |  |  |  |  | TYPE:SMD |  |  |  |  | WEIGHT:          |  |  |  |  |
| SPEC.:4                                                                       |  |  |  |  |  |  |  |  | DIM.:    |  |  |  |  | SERIAL No.:1     |  |  |  |  |
| MFR.: Sepehr Monavar Co.                                                      |  |  |  |  |  |  |  |  | SUR.:    |  |  |  |  | Shielding Angle: |  |  |  |  |

Table--2

UNIT: cd

| H (DEG)<br>V (DEG) | 5    | 10   | 15   | 20   | 25   | 30   | 35   | 40   | 45   | 50   | 55   | 60   | 65   | 70   | 75   | 80   | 85   | 90   |  |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| -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 |  |
| -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 | 0.00 |  |
| -80                | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| -75                | 261  | 256  | 248  | 237  | 224  | 207  | 188  | 166  | 143  | 118  | 92.2 | 68.1 | 46.6 | 28.8 | 15.7 | 7.29 | 5.60 | 4.73 |  |
| -70                | 884  | 868  | 842  | 807  | 764  | 711  | 649  | 562  | 471  | 373  | 278  | 188  | 109  | 51.5 | 25.2 | 10.9 | 5.73 | 4.61 |  |
| -65                | 1512 | 1487 | 1448 | 1394 | 1325 | 1238 | 1138 | 1004 | 832  | 672  | 503  | 345  | 200  | 90.7 | 42.1 | 19.1 | 6.67 | 4.83 |  |
| -60                | 2133 | 2094 | 2034 | 1952 | 1851 | 1726 | 1581 | 1364 | 1138 | 895  | 660  | 437  | 242  | 103  | 48.3 | 20.2 | 6.02 | 4.76 |  |
| -55                | 2838 | 2799 | 2733 | 2641 | 2522 | 2374 | 2199 | 1977 | 1706 | 1400 | 1085 | 764  | 472  | 232  | 84.9 | 32.2 | 9.21 | 4.94 |  |
| -50                | 3533 | 3482 | 3400 | 3284 | 3136 | 2955 | 2738 | 2471 | 2177 | 1784 | 1368 | 966  | 599  | 288  | 84.7 | 32.4 | 8.18 | 4.92 |  |
| -45                | 4240 | 4190 | 4104 | 3979 | 3817 | 3613 | 3369 | 3085 | 2766 | 2303 | 1839 | 1326 | 862  | 453  | 144  | 46.8 | 13.2 | 5.06 |  |
| -40                | 4575 | 4518 | 4423 | 4287 | 4110 | 3895 | 3634 | 3332 | 2988 | 2535 | 2002 | 1467 | 953  | 498  | 159  | 44.2 | 10.6 | 5.11 |  |
| -35                | 4924 | 4876 | 4785 | 4656 | 4483 | 4271 | 4008 | 3705 | 3357 | 2927 | 2401 | 1819 | 1237 | 720  | 282  | 60.6 | 17.4 | 5.17 |  |
| -30                | 5258 | 5202 | 5101 | 4962 | 4775 | 4548 | 4269 | 3947 | 3572 | 3150 | 2560 | 1941 | 1303 | 734  | 270  | 55.5 | 13.2 | 5.33 |  |
| -25                | 5468 | 5420 | 5327 | 5194 | 5016 | 4795 | 4523 | 4204 | 3834 | 3412 | 2875 | 2238 | 1558 | 944  | 407  | 79.4 | 20.9 | 5.24 |  |
| -20                | 5662 | 5607 | 5505 | 5363 | 5174 | 4940 | 4655 | 4323 | 3934 | 3493 | 2956 | 2263 | 1570 | 911  | 370  | 64.0 | 15.0 | 5.44 |  |
| -15                | 5872 | 5824 | 5731 | 5593 | 5416 | 5186 | 4911 | 4582 | 4199 | 3759 | 3261 | 2583 | 1826 | 1126 | 520  | 103  | 23.8 | 5.27 |  |
| -10                | 5940 | 5888 | 5788 | 5645 | 5458 | 5221 | 4937 | 4598 | 4202 | 3749 | 3236 | 2511 | 1776 | 1054 | 453  | 78.1 | 17.1 | 5.47 |  |
| -5                 | 6022 | 5981 | 5891 | 5759 | 5585 | 5358 | 5087 | 4756 | 4373 | 3930 | 3426 | 2740 | 1999 | 1253 | 596  | 136  | 26.7 | 5.20 |  |
| 0                  | 6091 | 6047 | 5951 | 5810 | 5627 | 5392 | 5113 | 4770 | 4376 | 3918 | 3399 | 2687 | 1919 | 1162 | 520  | 97.8 | 19.2 | 5.42 |  |
| 5                  | 6069 | 6029 | 5941 | 5812 | 5641 | 5417 | 5149 | 4819 | 4438 | 3996 | 3492 | 2803 | 2074 | 1314 | 635  | 155  | 28.9 | 5.07 |  |
| 10                 | 6033 | 5986 | 5890 | 5752 | 5571 | 5337 | 5061 | 4723 | 4333 | 3881 | 3368 | 2666 | 1901 | 1162 | 524  | 100  | 20.6 | 5.21 |  |
| 15                 | 6011 | 5968 | 5881 | 5753 | 5584 | 5362 | 5097 | 4771 | 4393 | 3958 | 3459 | 2773 | 2053 | 1311 | 637  | 159  | 30.6 | 4.88 |  |
| 20                 | 5855 | 5805 | 5709 | 5572 | 5391 | 5162 | 4886 | 4555 | 4168 | 3724 | 3209 | 2508 | 1779 | 1075 | 475  | 89.6 | 19.4 | 5.08 |  |
| 25                 | 5713 | 5668 | 5579 | 5452 | 5280 | 5062 | 4797 | 4481 | 4105 | 3679 | 3193 | 2503 | 1814 | 1123 | 528  | 118  | 25.5 | 4.82 |  |
| 30                 | 5556 | 5503 | 5406 | 5271 | 5089 | 4865 | 4588 | 4265 | 3882 | 3448 | 2923 | 2213 | 1553 | 902  | 374  | 66.4 | 15.4 | 5.04 |  |
| 35                 | 5265 | 5218 | 5128 | 5002 | 4831 | 4617 | 4358 | 4049 | 3687 | 3277 | 2768 | 2122 | 1492 | 888  | 391  | 83.4 | 19.7 | 4.73 |  |
| 40                 | 4961 | 4903 | 4808 | 4672 | 4496 | 4275 | 4012 | 3698 | 3337 | 2901 | 2344 | 1745 | 1176 | 644  | 234  | 51.5 | 10.7 | 4.89 |  |
| 45                 | 4669 | 4619 | 4530 | 4404 | 4235 | 4027 | 3781 | 3475 | 3138 | 2751 | 2183 | 1629 | 1087 | 604  | 225  | 54.1 | 13.4 | 4.60 |  |
| 50                 | 3984 | 3931 | 3845 | 3724 | 3568 | 3372 | 3145 | 2874 | 2547 | 2153 | 1672 | 1218 | 784  | 399  | 129  | 37.7 | 7.24 | 4.69 |  |
| 55                 | 3312 | 3269 | 3199 | 3098 | 2965 | 2802 | 2609 | 2382 | 2085 | 1766 | 1377 | 998  | 644  | 338  | 122  | 38.8 | 9.36 | 4.38 |  |
| 60                 | 2628 | 2585 | 2517 | 2426 | 2305 | 2157 | 1987 | 1794 | 1512 | 1204 | 909  | 630  | 378  | 168  | 61.3 | 25.0 | 5.00 | 4.44 |  |
| 65                 | 1864 | 1836 | 1792 | 1729 | 1647 | 1547 | 1429 | 1295 | 1102 | 901  | 691  | 487  | 303  | 150  | 54.3 | 23.6 | 6.20 | 4.18 |  |
| 70                 | 1092 | 1073 | 1044 | 1005 | 954  | 891  | 819  | 737  | 624  | 502  | 383  | 269  | 166  | 80.2 | 32.8 | 13.0 | 4.18 | 4.18 |  |
| 75                 | 325  | 319  | 310  | 297  | 282  | 262  | 240  | 214  | 186  | 157  | 126  | 94.7 | 66.0 | 41.0 | 21.6 | 8.71 | 3.87 | 3.97 |  |
| 80                 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| 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 | 0.00 |  |
| 90                 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:sepehrmonavar  
Test Date:28 January 2020

V(B) Range:-75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.0.361  
Humidity:35%  
Test Distance:5.000m [K=1.0000]  
Remarks: