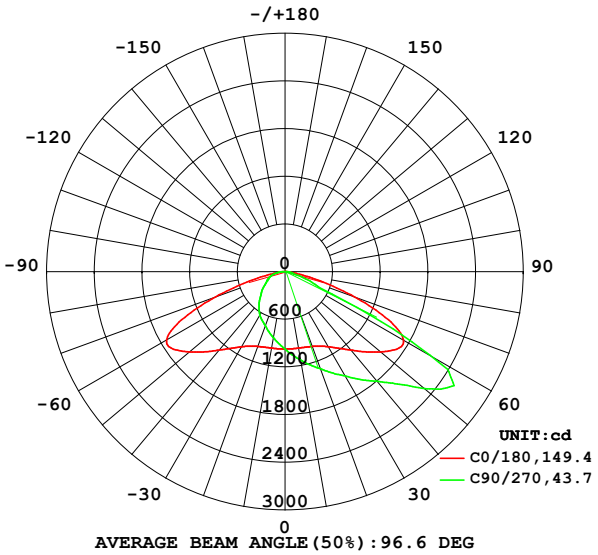
# STREETLIGHT PHOTOMETRIC TEST REPORT

| | | |
|---|---|---|
| Test:U:230.1V I:0.1960A P:42.48W PF:0.9420 Lamp Flux:5328.79x1 lm | | |
| NAME: WP01-40 | TYPE:40W | WEIGHT: |
| SPEC.:5000K Ra80 40*150DEG R08401 | DIM.: 0.296*0.15*0.223 | SERIAL No.: |
| MFR.: | SUR.:0.265*0.085 | Shielding Angle: |

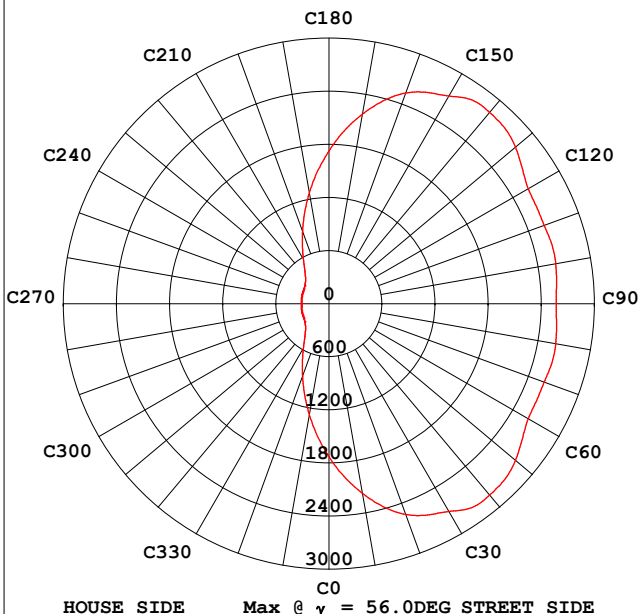
| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 125.43 lm/W | | | |
|---|---|---|---|---|---|
| MODEL | WP01-40 | Imax(cd) | 2823 | η street_up(%) | 0.0 |
| NOMINAL POWER(W) | 40 | LOR(%) | 100.0 | η street_down(%) | 71.8 |
| RATED VOLTAGE(V) | 230 | TOTAL FLUX(lm) | 5329 | η house_up(%) | 0.0 |
| NOMINAL FLUX(lm) | 5328.79 | MAXIMUM @(C,γ ) | 40,56.0 | η house_down(%) | 28.2 |
| LAMPS INSIDE | 1 | η up(%) | 0.0 | 76 FLASHAREA(m2) | |
| TEST VOLTAGE(V) | 230 | η down(%) | 100.0 | SLI | |

INTENSITY DISTRIBUTION DIAGRAM
IN C PLANS




AVERAGE BEAM ANGLE(50%):96.6 DEG

MAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM



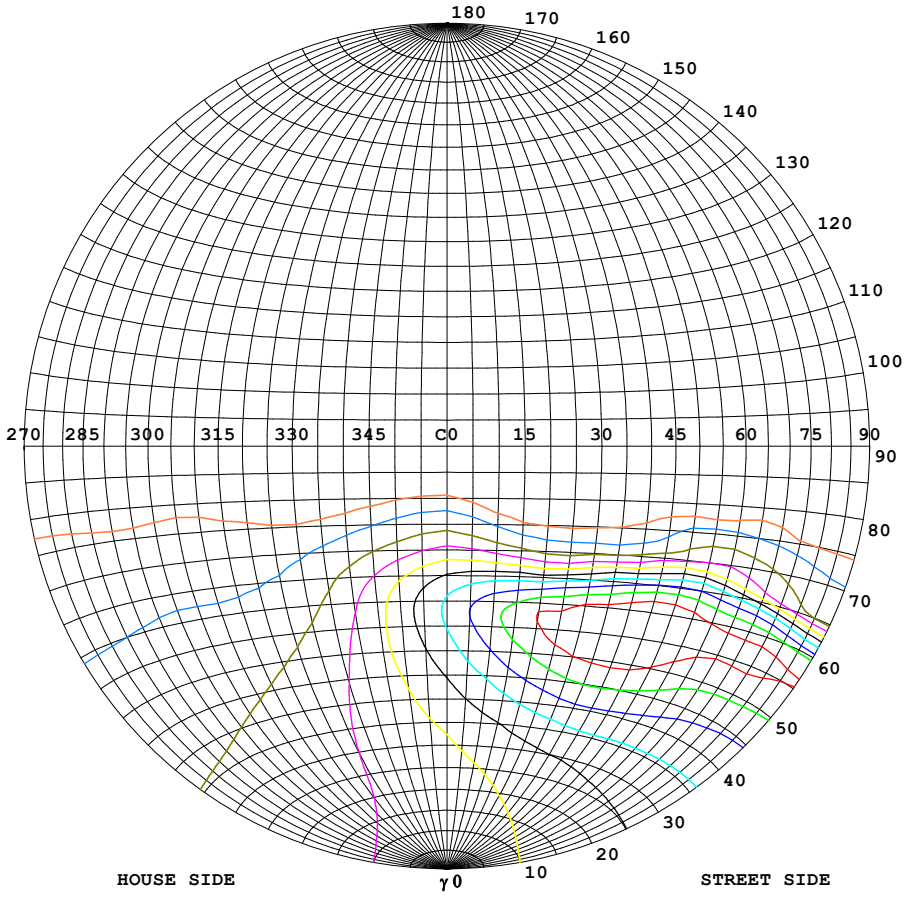

HOUSE SIDE Max @ γ = 56.0DEG STREET SIDE

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-04-12

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks:

Note: SLI:Specific Luminaire Index

# STREETLIGHT ISOCANDELA DIAGRAM




**Classification:**

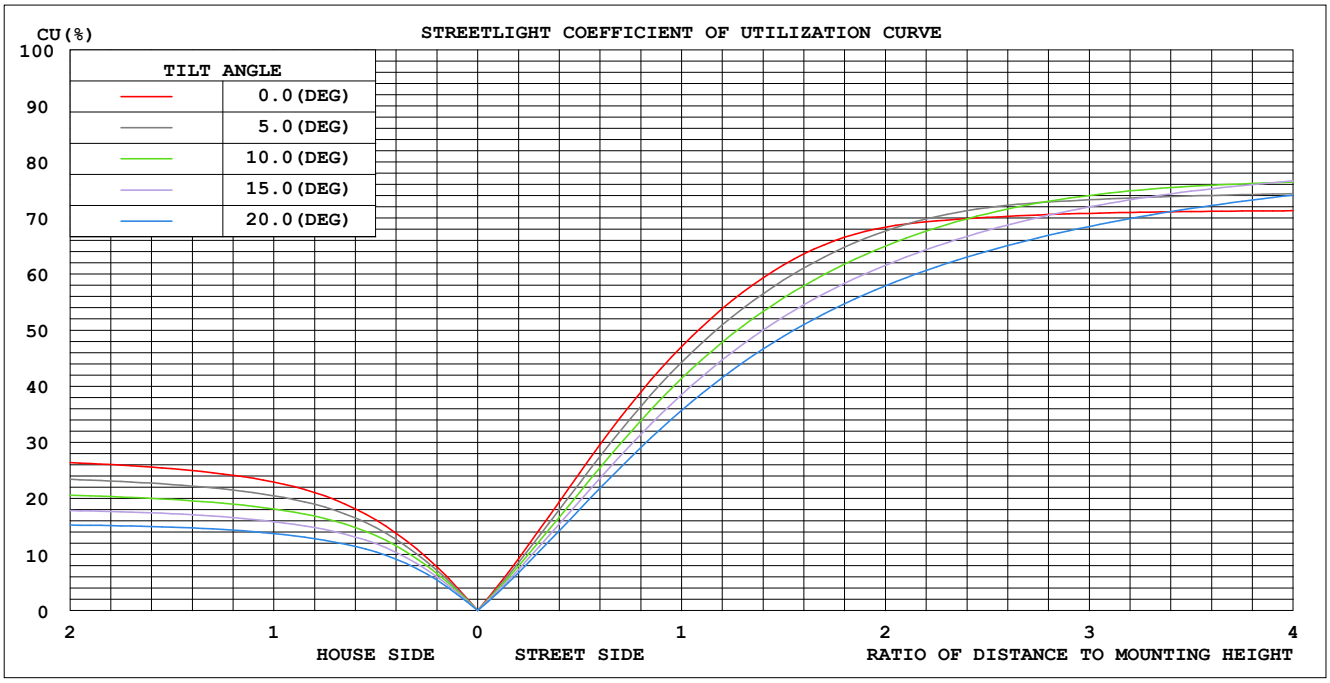
**IES:Type III - Short**
**CIE:Broad - Short**
**IES:Full cut-off**
**CIE:Semi-cut-off**
**Max.At80:30.62cd/klm**
**Max.At90:0cd/klm**
**Max.80-90:30.62cd/klm**

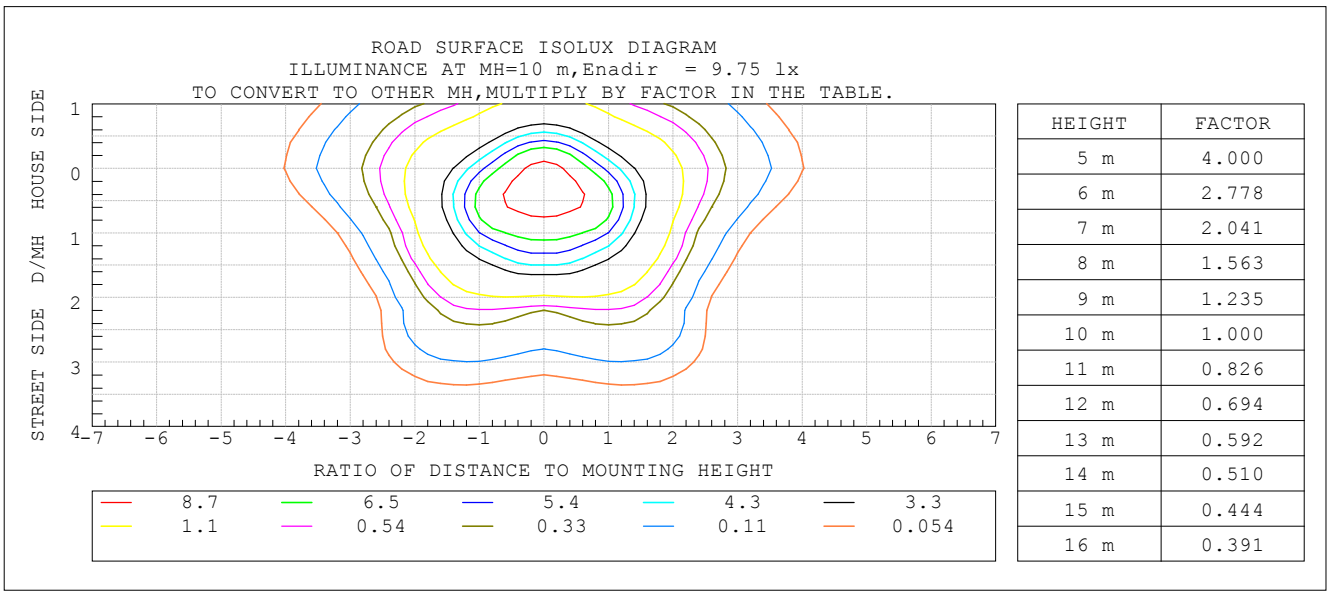
| ISOCANDELA DIAGRAM | |
|---|---|
| UNIT | cd |
| Imax=100% | 2823 |
| 90% | 2540 |
| 80% | 2258 |
| 70% | 1976 |
| 60% | 1694 |
| 50% | 1411 |
| 40% | 1129 |
| 30% | 847 |
| 20% | 565 |
| 10% | 282 |
| 5% | 141 |

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-04-12

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks:

# COEFFICIENT OF UTILIZATION CURVE AND ISOLUX DIAGRAM




| HEIGHT | FACTOR |
|---|---|
| 5 m | 4.000 |
| 6 m | 2.778 |
| 7 m | 2.041 |
| 8 m | 1.563 |
| 9 m | 1.235 |
| 10 m | 1.000 |
| 11 m | 0.826 |
| 12 m | 0.694 |
| 13 m | 0.592 |
| 14 m | 0.510 |
| 15 m | 0.444 |
| 16 m | 0.391 |

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-04-12

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks:

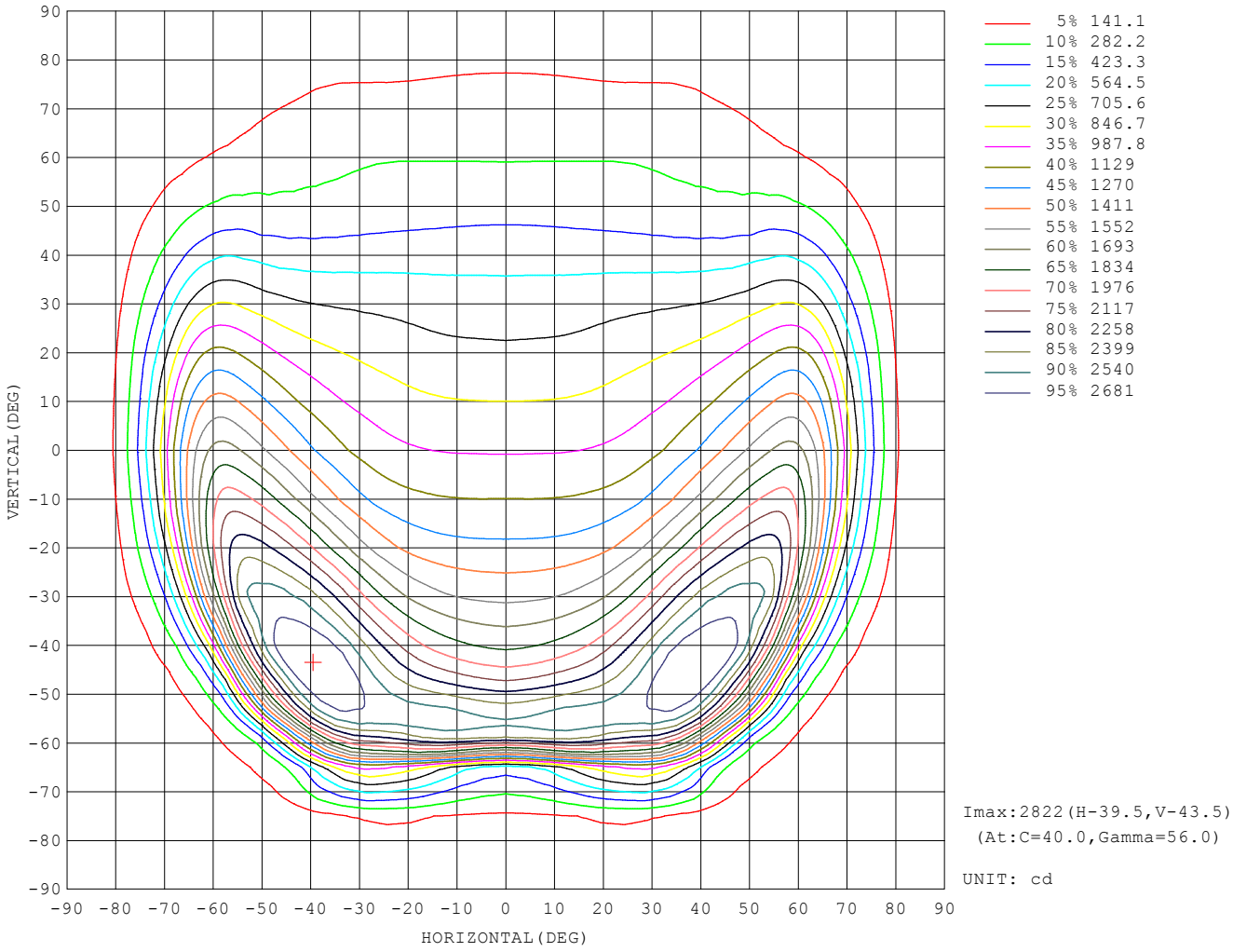
## ZONAL FLUX DIAGRAM

| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | Φ zone | Φ total | %lum,lamp |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5 | 975.8 | 1030 | 1052 | 1030 | 975.8 | 929.7 | 910.8 | 929.7 | 0- 5 | 23.38 | 23.38 | 0.44,0.44 |
| 10 | 977.8 | 1085 | 1129 | 1085 | 977.8 | 885.7 | 846.9 | 885.7 | 5- 10 | 70.28 | 93.66 | 1.76,1.76 |
| 15 | 986.2 | 1146 | 1215 | 1146 | 986.2 | 843.9 | 787.3 | 843.9 | 10- 15 | 117.4 | 211.1 | 3.96,3.96 |
| 20 | 1003 | 1222 | 1300 | 1222 | 1003 | 808.1 | 727.7 | 808.1 | 15- 20 | 165.5 | 376.6 | 7.07,7.07 |
| 25 | 1035 | 1317 | 1408 | 1317 | 1035 | 776.1 | 682.2 | 776.1 | 20- 25 | 215.7 | 592.3 | 11.1,11.1 |
| 30 | 1093 | 1457 | 1516 | 1457 | 1093 | 749.0 | 636.6 | 749.0 | 25- 30 | 270.9 | 863.2 | 16.2,16.2 |
| 35 | 1177 | 1663 | 1659 | 1663 | 1177 | 714.9 | 572.9 | 714.9 | 30- 35 | 333.6 | 1197 | 22.5,22.5 |
| 40 | 1290 | 1926 | 1802 | 1926 | 1290 | 664.9 | 509.2 | 664.9 | 35- 40 | 405.7 | 1602 | 30.1,30.1 |
| 45 | 1428 | 2257 | 2001 | 2257 | 1428 | 584.3 | 437.0 | 584.3 | 40- 45 | 487.8 | 2090 | 39.2,39.2 |
| 50 | 1573 | 2608 | 2290 | 2608 | 1573 | 491.3 | 385.1 | 491.3 | 45- 50 | 579.5 | 2670 | 50.1,50.1 |
| 55 | 1706 | 2795 | 2531 | 2795 | 1706 | 394.0 | 326.1 | 394.0 | 50- 55 | 670.2 | 3340 | 62.7,62.7 |
| 60 | 1723 | 2717 | 2106 | 2717 | 1723 | 316.0 | 275.1 | 316.0 | 55- 60 | 718.7 | 4059 | 76.2,76.2 |
| 65 | 1436 | 1990 | 482.8 | 1990 | 1436 | 262.8 | 245.4 | 262.8 | 60- 65 | 613.2 | 4672 | 87.7,87.7 |
| 70 | 931.1 | 757.9 | 300.2 | 757.9 | 931.1 | 227.1 | 205.7 | 227.1 | 65- 70 | 360.8 | 5033 | 94.4,94.4 |
| 75 | 464.2 | 229.6 | 117.5 | 229.6 | 464.2 | 166.2 | 166.1 | 166.2 | 70- 75 | 172.4 | 5205 | 97.7,97.7 |
| 80 | 163.2 | 75.93 | 79.85 | 75.93 | 163.2 | 94.98 | 111.6 | 94.98 | 75- 80 | 76.54 | 5282 | 99.1,99.1 |
| 85 | 34.49 | 39.83 | 42.19 | 39.83 | 34.49 | 47.95 | 57.19 | 47.95 | 80- 85 | 35.71 | 5317 | 99.8,99.8 |
| 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 85- 90 | 11.54 | 5329 | 100,100 |
| 95 | | | | | | | | | 90- 95 | | | |
| 100 | | | | | | | | | 95-100 | | | |
| 105 | | | | | | | | | 100-105 | | | |
| 110 | | | | | | | | | 105-110 | | | |
| 115 | | | | | | | | | 110-115 | | | |
| 120 | | | | | | | | | 115-120 | | | |
| 125 | | | | | | | | | 120-125 | | | |
| 130 | | | | | | | | | 125-130 | | | |
| 135 | | | | | | | | | 130-135 | | | |
| 140 | | | | | | | | | 135-140 | | | |
| 145 | | | | | | | | | 140-145 | | | |
| 150 | | | | | | | | | 145-150 | | | |
| 155 | | | | | | | | | 150-155 | | | |
| 160 | | | | | | | | | 155-160 | | | |
| 165 | | | | | | | | | 160-165 | | | |
| 170 | | | | | | | | | 165-170 | | | |
| 175 | | | | | | | | | 170-175 | | | |
| 180 | | | | | | | | | 175-180 | | | |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-04-12

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks:

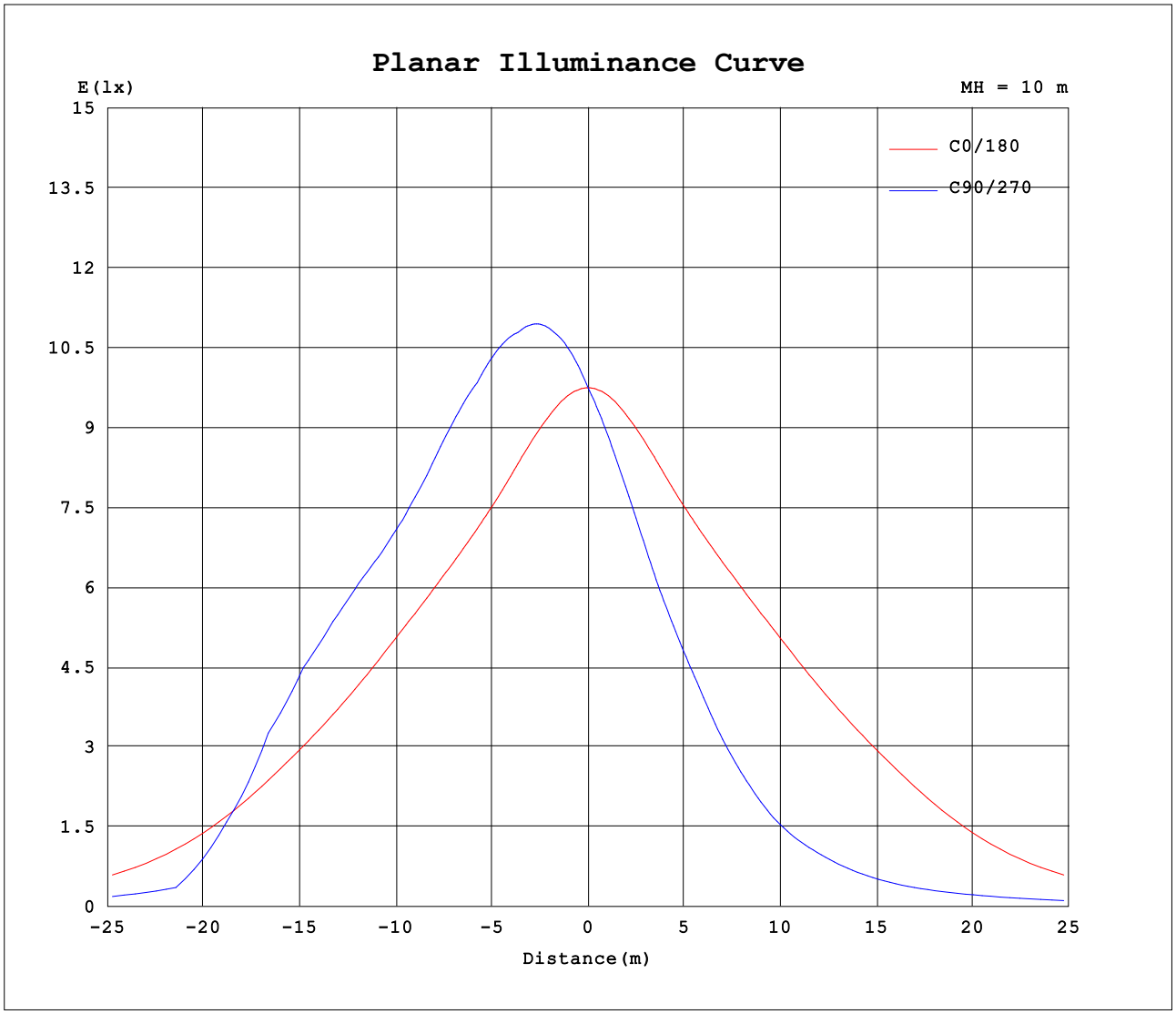
## ISOCANDELA DIAGRAM




C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-04-12

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks:

## Planar Illuminance Curve



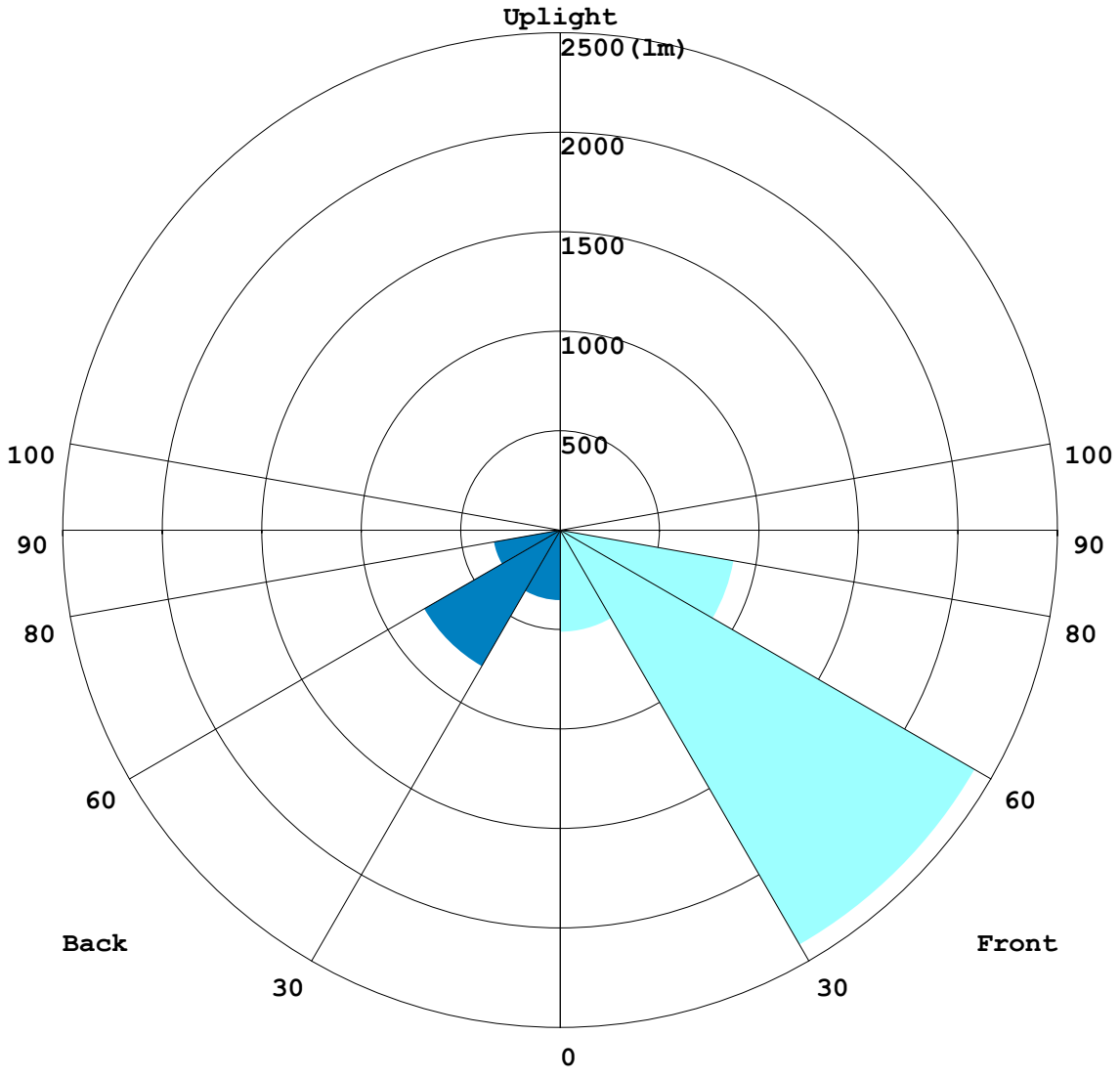

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-04-12

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks:

## LCS REPORT

| | | |
|---|---|---|
| Test:U:230.1V I:0.1960A P:42.48W PF:0.9420 Lamp Flux:5328.79x1 lm | | |
| NAME: WP01-40 | TYPE:40W | WEIGHT: |
| SPEC.:5000K Ra80 40*150DEG R08401 | DIM.: 0.296*0.15*0.223 | SERIAL No.: |
| MFR.: | SUR.:0.265*0.085 | Shielding Angle: |

### LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH




C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-04-12

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks:

## BUG REPORT

| | | |
|---|---|---|
| Test:U:230.1V I:0.1960A P:42.48W PF:0.9420 Lamp Flux:5328.79x1 lm | | |
| NAME: WP01-40 | TYPE:40W | WEIGHT: |
| SPEC.:5000K Ra80 40*150DEG R08401 | DIM.: 0.296*0.15*0.223 | SERIAL No.: |
| MFR.: | SUR.:0.265*0.085 | Shielding Angle: |

**IESNA Luminaire Flux Distribution Table:**

| Zone | Lumens | Luminaire % |
|---|---|---|
| FL - Front-Low(0-30) | 511.02 | 9.6 |
| FM - Front-Medium(30-60) | 2406.2 | 45.2 |
| FH - Front-High(60-80) | 885.48 | 16.6 |
| FVH - Front-Very High(80-90) | 21.187 | 0.4 |
| Total Forward Light | 3823.9 | 71.8 |
| BL - Back-Low(0-30) | 352.14 | 6.6 |
| BM - Back-Medium(30-60) | 789.25 | 14.8 |
| BH - Back-High(60-80) | 337.42 | 6.3 |
| BVH - Back-Very High(80-90) | 26.061 | 0.5 |
| Total Back Light | 1504.9 | 28.2 |
| UL - Uplight-Low(90-100) | 0 | 0.0 |
| UH - Uplight-High(100-180) | 0 | 0.0 |
| Total Up Light | 0 | 0.0 |

| BUG(Back,Up,Glare) Rating | B1-U0-G1 |
|---|---|

| Zone | Downward Lumens | Upward Lumens | Total Lumens |
|---|---|---|---|
| House Side | 1504.9 | 0 | 1504.9 |
| Street Side | 3823.9 | 0 | 3823.9 |

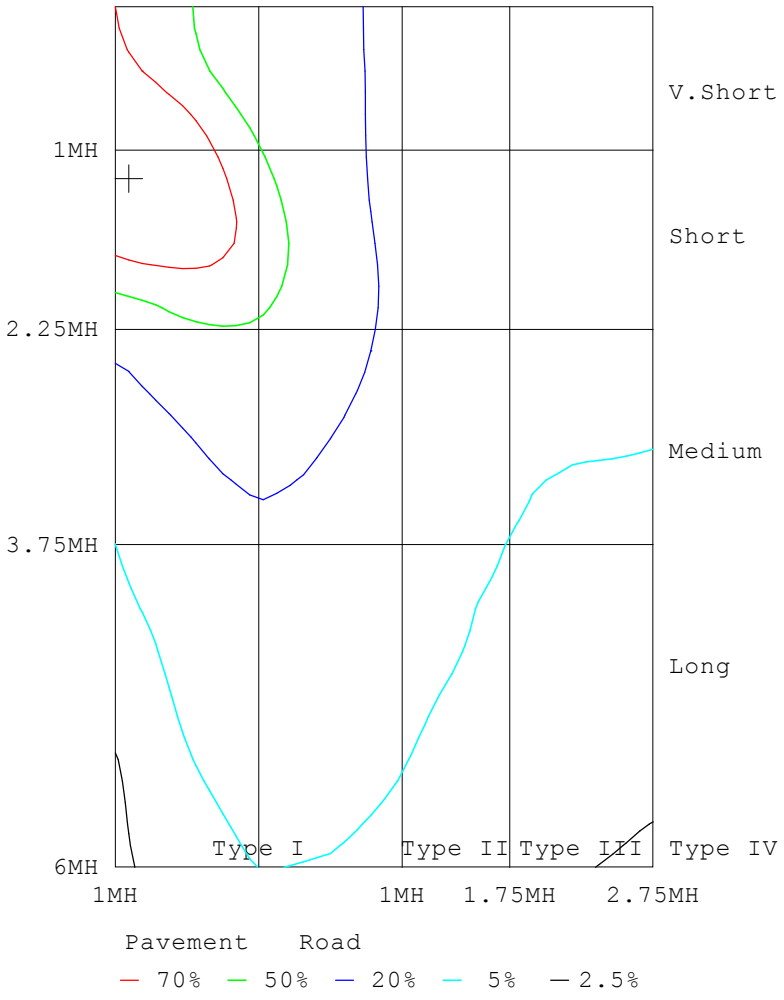
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-04-12

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks:

# ROAD ISOCANDELA REPORT

| | | |
|---|---|---|
| Test:U:230.1V I:0.1960A P:42.48W PF:0.9420 Lamp Flux:5328.79x1 lm | | |
| NAME: WP01-40 | TYPE:40W | WEIGHT: |
| SPEC.:5000K Ra80 40*150DEG R08401 | DIM.: 0.296*0.15*0.223 | SERIAL No.: |
| MFR.: | SUR.:0.265*0.085 | Shielding Angle: |

ROAD SURFACE ISOCANDELA DIAGRAM




C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-04-12

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks:

# LUMINOUS DISTRIBUTION INTENSITY DATA

Table--1 UNIT: cd

| C(DEG) / γ (DEG) | 0 | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 | 90 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 975 | 975 | 975 | 975 | 975 | 975 | 975 | 975 | 975 | 975 | 975 | 975 | 975 | 975 | 975 | 975 | 975 | 975 | 975 |
| 5 | 976 | 982 | 989 | 996 | 1002 | 1008 | 1014 | 1019 | 1025 | 1030 | 1034 | 1038 | 1042 | 1045 | 1048 | 1050 | 1051 | 1052 | 1052 |
| 10 | 978 | 991 | 1005 | 1018 | 1031 | 1043 | 1054 | 1066 | 1076 | 1085 | 1094 | 1102 | 1109 | 1115 | 1120 | 1124 | 1127 | 1129 | 1129 |
| 15 | 986 | 1007 | 1027 | 1047 | 1065 | 1083 | 1100 | 1116 | 1131 | 1146 | 1160 | 1173 | 1183 | 1193 | 1201 | 1207 | 1211 | 1214 | 1215 |
| 20 | 1003 | 1032 | 1060 | 1087 | 1112 | 1135 | 1158 | 1182 | 1204 | 1222 | 1239 | 1254 | 1265 | 1276 | 1285 | 1292 | 1296 | 1299 | 1300 |
| 25 | 1035 | 1075 | 1112 | 1146 | 1176 | 1211 | 1246 | 1274 | 1297 | 1317 | 1332 | 1350 | 1368 | 1381 | 1392 | 1399 | 1405 | 1407 | 1408 |
| 30 | 1093 | 1150 | 1202 | 1245 | 1292 | 1342 | 1382 | 1410 | 1431 | 1457 | 1477 | 1492 | 1501 | 1507 | 1512 | 1514 | 1516 | 1517 | 1516 |
| 35 | 1177 | 1261 | 1334 | 1398 | 1479 | 1540 | 1581 | 1621 | 1650 | 1663 | 1664 | 1660 | 1665 | 1666 | 1665 | 1666 | 1664 | 1663 | 1659 |
| 40 | 1290 | 1408 | 1511 | 1620 | 1723 | 1798 | 1873 | 1918 | 1933 | 1926 | 1915 | 1895 | 1874 | 1857 | 1841 | 1830 | 1818 | 1810 | 1802 |
| 45 | 1428 | 1585 | 1722 | 1878 | 2006 | 2121 | 2214 | 2267 | 2278 | 2257 | 2217 | 2166 | 2114 | 2075 | 2053 | 2035 | 2023 | 2013 | 2001 |
| 50 | 1573 | 1771 | 1955 | 2136 | 2293 | 2431 | 2537 | 2583 | 2614 | 2608 | 2528 | 2440 | 2371 | 2333 | 2326 | 2326 | 2317 | 2303 | 2290 |
| 55 | 1706 | 1933 | 2147 | 2351 | 2507 | 2638 | 2699 | 2796 | 2816 | 2795 | 2738 | 2645 | 2576 | 2566 | 2576 | 2581 | 2569 | 2545 | 2531 |
| 60 | 1723 | 1928 | 2103 | 2242 | 2423 | 2429 | 2574 | 2617 | 2673 | 2717 | 2711 | 2611 | 2525 | 2439 | 2434 | 2423 | 2295 | 2163 | 2106 |
| 65 | 1436 | 1513 | 1562 | 1555 | 1501 | 1577 | 1663 | 1808 | 1896 | 1990 | 2023 | 1964 | 1808 | 1581 | 1317 | 1010 | 728 | 548 | 483 |
| 70 | 931 | 882 | 757 | 630 | 503 | 470 | 536 | 535 | 624 | 758 | 788 | 844 | 827 | 713 | 602 | 481 | 383 | 323 | 300 |
| 75 | 464 | 374 | 254 | 162 | 134 | 125 | 136 | 143 | 162 | 230 | 329 | 359 | 340 | 279 | 223 | 170 | 137 | 123 | 118 |
| 80 | 163 | 112 | 63.8 | 58.0 | 52.4 | 49.1 | 53.9 | 66.4 | 71.6 | 75.9 | 85.1 | 97.0 | 114 | 118 | 111 | 97.8 | 87.2 | 82.4 | 79.8 |
| 85 | 34.5 | 23.0 | 17.3 | 14.4 | 10.9 | 14.4 | 17.8 | 28.1 | 36.4 | 39.8 | 44.4 | 50.1 | 58.9 | 61.6 | 57.7 | 51.5 | 45.9 | 43.5 | 42.2 |
| 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 |

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-04-12

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Table--2 UNIT: cd

| C(DEG) / γ (DEG) | 95 | 100 | 105 | 110 | 115 | 120 | 125 | 130 | 135 | 140 | 145 | 150 | 155 | 160 | 165 | 170 | 175 | 180 | 185 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 975 | 975 | 975 | 975 | 975 | 975 | 975 | 975 | 975 | 975 | 975 | 975 | 975 | 975 | 975 | 975 | 975 | 975 | 975 |
| 5 | 1052 | 1051 | 1050 | 1048 | 1045 | 1042 | 1038 | 1034 | 1030 | 1025 | 1019 | 1014 | 1008 | 1002 | 996 | 989 | 982 | 976 | 970 |
| 10 | 1129 | 1127 | 1124 | 1120 | 1115 | 1109 | 1102 | 1094 | 1085 | 1076 | 1066 | 1054 | 1043 | 1031 | 1018 | 1005 | 991 | 978 | 967 |
| 15 | 1214 | 1211 | 1207 | 1201 | 1193 | 1183 | 1173 | 1160 | 1146 | 1131 | 1116 | 1100 | 1083 | 1065 | 1047 | 1027 | 1007 | 986 | 969 |
| 20 | 1299 | 1296 | 1292 | 1285 | 1276 | 1265 | 1254 | 1239 | 1222 | 1204 | 1182 | 1158 | 1135 | 1112 | 1087 | 1060 | 1032 | 1003 | 981 |
| 25 | 1407 | 1405 | 1399 | 1392 | 1381 | 1368 | 1350 | 1332 | 1317 | 1297 | 1274 | 1246 | 1211 | 1176 | 1146 | 1112 | 1075 | 1035 | 1006 |
| 30 | 1517 | 1516 | 1514 | 1512 | 1507 | 1501 | 1492 | 1477 | 1457 | 1431 | 1410 | 1382 | 1342 | 1292 | 1245 | 1202 | 1150 | 1093 | 1051 |
| 35 | 1663 | 1664 | 1666 | 1665 | 1666 | 1665 | 1660 | 1664 | 1663 | 1650 | 1621 | 1581 | 1540 | 1479 | 1398 | 1334 | 1261 | 1177 | 1116 |
| 40 | 1810 | 1818 | 1830 | 1841 | 1857 | 1874 | 1895 | 1915 | 1926 | 1933 | 1918 | 1873 | 1798 | 1723 | 1620 | 1511 | 1408 | 1290 | 1199 |
| 45 | 2013 | 2023 | 2035 | 2053 | 2075 | 2114 | 2166 | 2217 | 2257 | 2278 | 2267 | 2214 | 2121 | 2006 | 1878 | 1722 | 1585 | 1428 | 1297 |
| 50 | 2303 | 2317 | 2326 | 2326 | 2333 | 2371 | 2440 | 2528 | 2608 | 2614 | 2583 | 2537 | 2431 | 2293 | 2136 | 1955 | 1771 | 1573 | 1400 |
| 55 | 2545 | 2569 | 2581 | 2576 | 2566 | 2576 | 2645 | 2738 | 2795 | 2816 | 2796 | 2699 | 2638 | 2507 | 2351 | 2147 | 1933 | 1706 | 1489 |
| 60 | 2163 | 2295 | 2423 | 2434 | 2439 | 2525 | 2611 | 2711 | 2717 | 2673 | 2617 | 2574 | 2429 | 2423 | 2242 | 2103 | 1928 | 1723 | 1494 |
| 65 | 548 | 728 | 1010 | 1317 | 1581 | 1808 | 1964 | 2023 | 1990 | 1896 | 1808 | 1663 | 1577 | 1501 | 1555 | 1562 | 1513 | 1436 | 1268 |
| 70 | 323 | 383 | 481 | 602 | 713 | 827 | 844 | 788 | 758 | 624 | 535 | 536 | 470 | 503 | 630 | 757 | 882 | 931 | 831 |
| 75 | 123 | 137 | 170 | 223 | 279 | 340 | 359 | 329 | 230 | 162 | 143 | 136 | 125 | 134 | 162 | 254 | 374 | 464 | 424 |
| 80 | 82.4 | 87.2 | 97.8 | 111 | 118 | 114 | 97.0 | 85.1 | 75.9 | 71.6 | 66.4 | 53.9 | 49.1 | 52.4 | 58.0 | 63.8 | 112 | 163 | 155 |
| 85 | 43.5 | 45.9 | 51.5 | 57.7 | 61.6 | 58.9 | 50.1 | 44.4 | 39.8 | 36.4 | 28.1 | 17.8 | 14.4 | 10.9 | 14.4 | 17.3 | 23.0 | 34.5 | 37.1 |
| 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 |

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-04-12

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Table--3 UNIT: cd

| C(DEG) / γ (DEG) | 190 | 195 | 200 | 205 | 210 | 215 | 220 | 225 | 230 | 235 | 240 | 245 | 250 | 255 | 260 | 265 | 270 | 275 | 280 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 975 | 975 | 975 | 975 | 975 | 975 | 975 | 975 | 975 | 975 | 975 | 975 | 975 | 975 | 975 | 975 | 975 | 975 | 975 |
| 5 | 965 | 959 | 954 | 948 | 943 | 939 | 934 | 930 | 926 | 922 | 919 | 917 | 915 | 913 | 912 | 911 | 911 | 911 | 912 |
| 10 | 956 | 945 | 934 | 923 | 913 | 904 | 894 | 886 | 878 | 871 | 864 | 859 | 854 | 851 | 849 | 847 | 847 | 847 | 849 |
| 15 | 953 | 936 | 919 | 902 | 886 | 871 | 857 | 844 | 832 | 822 | 813 | 806 | 799 | 794 | 790 | 788 | 787 | 788 | 790 |
| 20 | 958 | 935 | 912 | 889 | 866 | 846 | 826 | 808 | 791 | 777 | 764 | 754 | 745 | 738 | 733 | 729 | 728 | 729 | 733 |
| 25 | 976 | 946 | 915 | 884 | 855 | 827 | 801 | 776 | 753 | 735 | 720 | 709 | 700 | 693 | 688 | 684 | 682 | 684 | 688 |
| 30 | 1008 | 965 | 923 | 883 | 846 | 811 | 778 | 749 | 723 | 701 | 682 | 668 | 657 | 649 | 643 | 639 | 637 | 639 | 643 |
| 35 | 1051 | 988 | 931 | 879 | 832 | 787 | 748 | 715 | 687 | 663 | 637 | 614 | 598 | 587 | 580 | 575 | 573 | 575 | 580 |
| 40 | 1104 | 1016 | 938 | 868 | 804 | 750 | 705 | 665 | 626 | 593 | 567 | 546 | 531 | 521 | 515 | 511 | 509 | 511 | 515 |
| 45 | 1161 | 1043 | 937 | 842 | 762 | 697 | 636 | 584 | 544 | 513 | 488 | 468 | 454 | 444 | 440 | 438 | 437 | 438 | 440 |
| 50 | 1225 | 1067 | 921 | 798 | 697 | 610 | 542 | 491 | 453 | 425 | 407 | 394 | 388 | 386 | 385 | 385 | 385 | 385 | 385 |
| 55 | 1272 | 1069 | 886 | 731 | 602 | 505 | 438 | 394 | 366 | 350 | 341 | 336 | 333 | 331 | 328 | 327 | 326 | 327 | 328 |
| 60 | 1259 | 1024 | 812 | 629 | 485 | 397 | 345 | 316 | 301 | 298 | 297 | 294 | 289 | 282 | 278 | 276 | 275 | 276 | 278 |
| 65 | 1070 | 854 | 660 | 494 | 370 | 301 | 272 | 263 | 263 | 265 | 262 | 253 | 244 | 241 | 243 | 245 | 245 | 245 | 243 |
| 70 | 692 | 551 | 421 | 323 | 255 | 227 | 223 | 227 | 231 | 226 | 216 | 206 | 201 | 200 | 203 | 205 | 206 | 205 | 203 |
| 75 | 343 | 269 | 208 | 170 | 149 | 147 | 159 | 166 | 173 | 171 | 164 | 158 | 155 | 158 | 162 | 165 | 166 | 165 | 162 |
| 80 | 131 | 103 | 88.9 | 83.0 | 80.6 | 82.4 | 83.7 | 95.0 | 113 | 116 | 111 | 107 | 105 | 107 | 109 | 111 | 112 | 111 | 109 |
| 85 | 23.6 | 20.2 | 20.1 | 29.7 | 35.3 | 39.3 | 42.4 | 47.9 | 57.5 | 60.1 | 57.5 | 55.1 | 54.1 | 54.9 | 56.0 | 56.9 | 57.2 | 56.9 | 56.0 |
| 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 |

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-04-12

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks:

# LUMINOUS DISTRIBUTION INTENSITY DATA

Table--4 UNIT: cd

| C(DEG) / γ (DEG) | 285 | 290 | 295 | 300 | 305 | 310 | 315 | 320 | 325 | 330 | 335 | 340 | 345 | 350 | 355 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 975 | 975 | 975 | 975 | 975 | 975 | 975 | 975 | 975 | 975 | 975 | 975 | 975 | 975 | 975 | | | | |
| 5 | 913 | 915 | 917 | 919 | 922 | 926 | 930 | 934 | 939 | 943 | 948 | 954 | 959 | 965 | 970 | | | | |
| 10 | 851 | 854 | 859 | 864 | 871 | 878 | 886 | 894 | 904 | 913 | 923 | 934 | 945 | 956 | 967 | | | | |
| 15 | 794 | 799 | 806 | 813 | 822 | 832 | 844 | 857 | 871 | 886 | 902 | 919 | 936 | 953 | 969 | | | | |
| 20 | 738 | 745 | 754 | 764 | 777 | 791 | 808 | 826 | 846 | 866 | 889 | 912 | 935 | 958 | 981 | | | | |
| 25 | 693 | 700 | 709 | 720 | 735 | 753 | 776 | 801 | 827 | 855 | 884 | 915 | 946 | 976 | 1006 | | | | |
| 30 | 649 | 657 | 668 | 682 | 701 | 723 | 749 | 778 | 811 | 846 | 883 | 923 | 965 | 1008 | 1051 | | | | |
| 35 | 587 | 598 | 614 | 637 | 663 | 687 | 715 | 748 | 787 | 832 | 879 | 931 | 988 | 1051 | 1116 | | | | |
| 40 | 521 | 531 | 546 | 567 | 593 | 626 | 665 | 705 | 750 | 804 | 868 | 938 | 1016 | 1104 | 1199 | | | | |
| 45 | 444 | 454 | 468 | 488 | 513 | 544 | 584 | 636 | 697 | 762 | 842 | 937 | 1043 | 1161 | 1297 | | | | |
| 50 | 386 | 388 | 394 | 407 | 425 | 453 | 491 | 542 | 610 | 697 | 798 | 921 | 1067 | 1225 | 1400 | | | | |
| 55 | 331 | 333 | 336 | 341 | 350 | 366 | 394 | 438 | 505 | 602 | 731 | 886 | 1069 | 1272 | 1489 | | | | |
| 60 | 282 | 289 | 294 | 297 | 298 | 301 | 316 | 345 | 397 | 485 | 629 | 812 | 1024 | 1259 | 1494 | | | | |
| 65 | 241 | 244 | 253 | 262 | 265 | 263 | 263 | 272 | 301 | 370 | 494 | 660 | 854 | 1070 | 1268 | | | | |
| 70 | 200 | 201 | 206 | 216 | 226 | 231 | 227 | 223 | 227 | 255 | 323 | 421 | 551 | 692 | 831 | | | | |
| 75 | 158 | 155 | 158 | 164 | 171 | 173 | 166 | 159 | 147 | 149 | 170 | 208 | 269 | 343 | 424 | | | | |
| 80 | 107 | 105 | 107 | 111 | 116 | 113 | 95.0 | 83.7 | 82.4 | 80.6 | 83.0 | 88.9 | 103 | 131 | 155 | | | | |
| 85 | 54.9 | 54.1 | 55.1 | 57.5 | 60.1 | 57.5 | 47.9 | 42.4 | 39.3 | 35.3 | 29.7 | 20.1 | 20.2 | 23.6 | 37.1 | | | | |
| 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 | | | | |

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-04-12

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks: