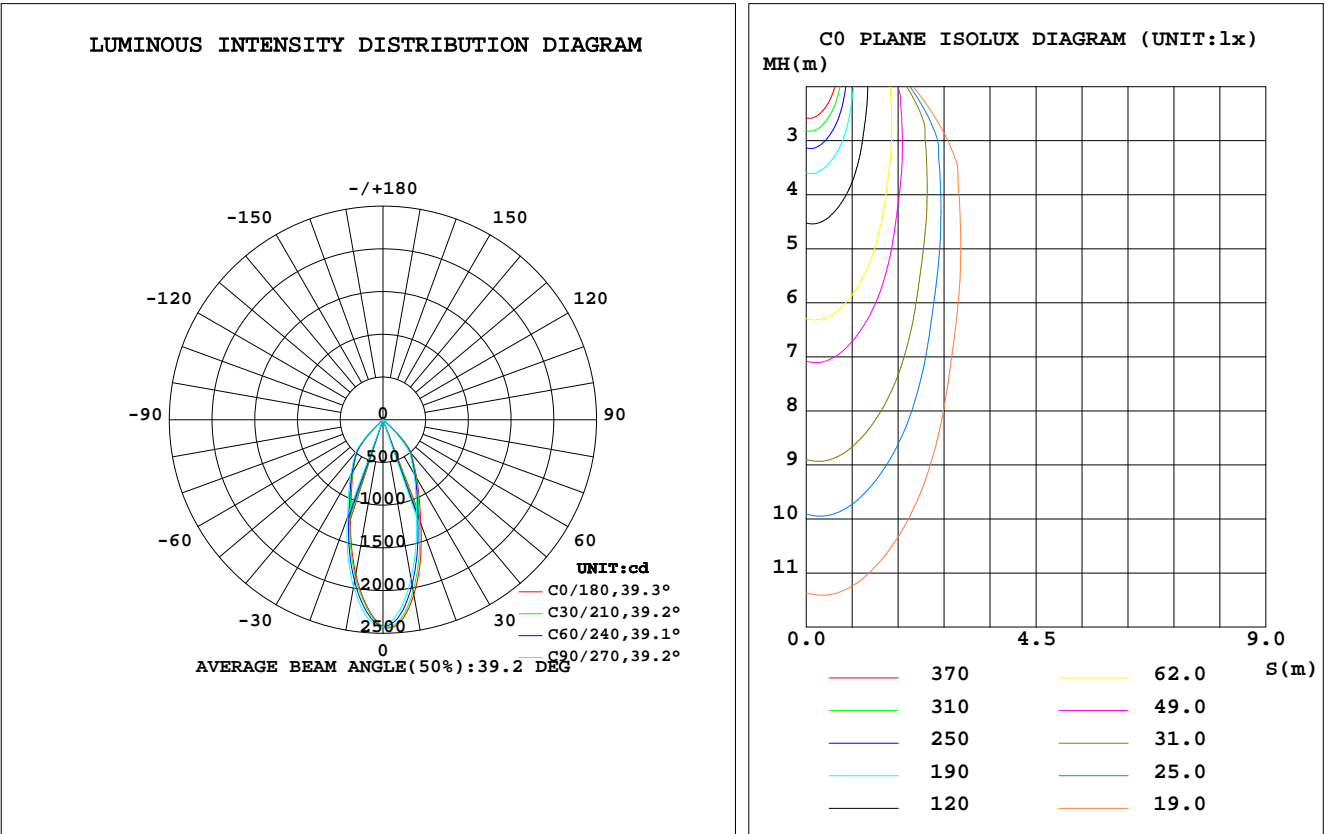


LUMINAIRE PHOTOMETRIC TEST REPORT

| | | |
|---------------|--------|-------------------|
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |

| DATA OF LAMP | | PHOTOMETRIC DATA | | | | Eff: 96.57 lm/W |
|------------------|--------------------|------------------|--------|-------------------|----------|-----------------|
| MODEL | BL051-20W-850-W-50 | Imax(cd) | 2443 | S/MH(C0/180) | 0.67 | |
| NOMINAL POWER(W) | 20 | LOR(%) | 100.0 | S/MH(C90/270) | 0.60 | |
| RATED VOLTAGE(V) | 226 | TOTAL FLUX(lm) | 1719.0 | η UP,DN(C0-180) | 1.2,48.2 | |
| NOMINAL FLUX(lm) | 1718.99 | CIE CLASS | DIRECT | η UP,DN(C180-360) | 1.3,49.3 | |
| LAMPS INSIDE | 1 | η up(%) | 2.5 | CIBSE SHR NOM | 0.50 | |
| TEST VOLTAGE(V) | 226.6 | η down(%) | 97.5 | CIBSE SHR MAX | 0.65 | |



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QiuMing
Test Date:2015-11-19

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:5.920m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | Φ zone | Φ total | %lum, lamp |
|-----|-----------------------|-------|-------|-------|-------|-------|-------|-------|---------|---------|---------|------------|
| 10 | 2080 | 2011 | 1892 | 1836 | 1837 | 1879 | 1984 | 2067 | 0- 10 | 206.5 | 206.5 | 12,12 |
| 20 | 1298 | 1235 | 1150 | 1107 | 1106 | 1134 | 1223 | 1290 | 10- 20 | 431.4 | 637.9 | 37.1,37.1 |
| 30 | 788.4 | 767.0 | 725.4 | 701.9 | 701.7 | 716.2 | 761.8 | 788.1 | 20- 30 | 430.7 | 1069 | 62.2,62.2 |
| 40 | 521.2 | 504.2 | 464.1 | 438.1 | 437.7 | 456.3 | 496.3 | 517.1 | 30- 40 | 375.7 | 1444 | 84,84 |
| 50 | 47.52 | 39.08 | 34.33 | 32.37 | 34.07 | 35.11 | 35.64 | 38.81 | 40- 50 | 178.2 | 1622 | 94.4,94.4 |
| 60 | 20.40 | 20.48 | 21.53 | 22.06 | 22.26 | 21.83 | 21.32 | 20.64 | 50- 60 | 23.13 | 1646 | 95.7,95.7 |
| 70 | 13.49 | 13.46 | 12.91 | 13.06 | 13.19 | 13.60 | 14.21 | 13.50 | 60- 70 | 17.56 | 1663 | 96.8,96.8 |
| 80 | 4.425 | 4.328 | 4.137 | 4.062 | 4.186 | 4.261 | 4.394 | 4.463 | 70- 80 | 8.699 | 1672 | 97.3,97.3 |
| 90 | 3.073 | 3.048 | 3.052 | 3.054 | 3.406 | 3.379 | 3.334 | 3.346 | 80- 90 | 3.962 | 1676 | 97.5,97.5 |
| 100 | 3.409 | 3.435 | 3.494 | 3.536 | 4.097 | 4.058 | 3.955 | 3.915 | 90-100 | 3.748 | 1680 | 97.7,97.7 |
| 110 | 4.208 | 4.255 | 4.393 | 4.474 | 5.055 | 5.000 | 4.868 | 4.809 | 100-110 | 4.392 | 1684 | 98,98 |
| 120 | 5.490 | 5.571 | 5.776 | 5.897 | 6.409 | 6.308 | 6.108 | 6.016 | 110-120 | 5.204 | 1689 | 98.3,98.3 |
| 130 | 7.271 | 7.388 | 7.656 | 7.818 | 8.228 | 8.084 | 7.825 | 7.694 | 120-130 | 6.096 | 1695 | 98.6,98.6 |
| 140 | 9.356 | 9.488 | 9.733 | 9.902 | 10.15 | 10.01 | 9.766 | 9.638 | 130-140 | 6.760 | 1702 | 99,99 |
| 150 | 11.14 | 11.22 | 11.35 | 11.45 | 11.57 | 11.47 | 11.33 | 11.26 | 140-150 | 6.658 | 1709 | 99.4,99.4 |
| 160 | 12.19 | 12.23 | 12.30 | 12.37 | 12.39 | 12.29 | 12.21 | 12.17 | 150-160 | 5.455 | 1714 | 99.7,99.7 |
| 170 | 13.00 | 13.01 | 13.00 | 13.04 | 13.07 | 12.98 | 12.97 | 12.97 | 160-170 | 3.578 | 1718 | 99.9,99.9 |
| 180 | 13.61 | 13.60 | 13.55 | 13.62 | 13.66 | 13.56 | 13.58 | 13.60 | 170-180 | 1.261 | 1719 | 100,100 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

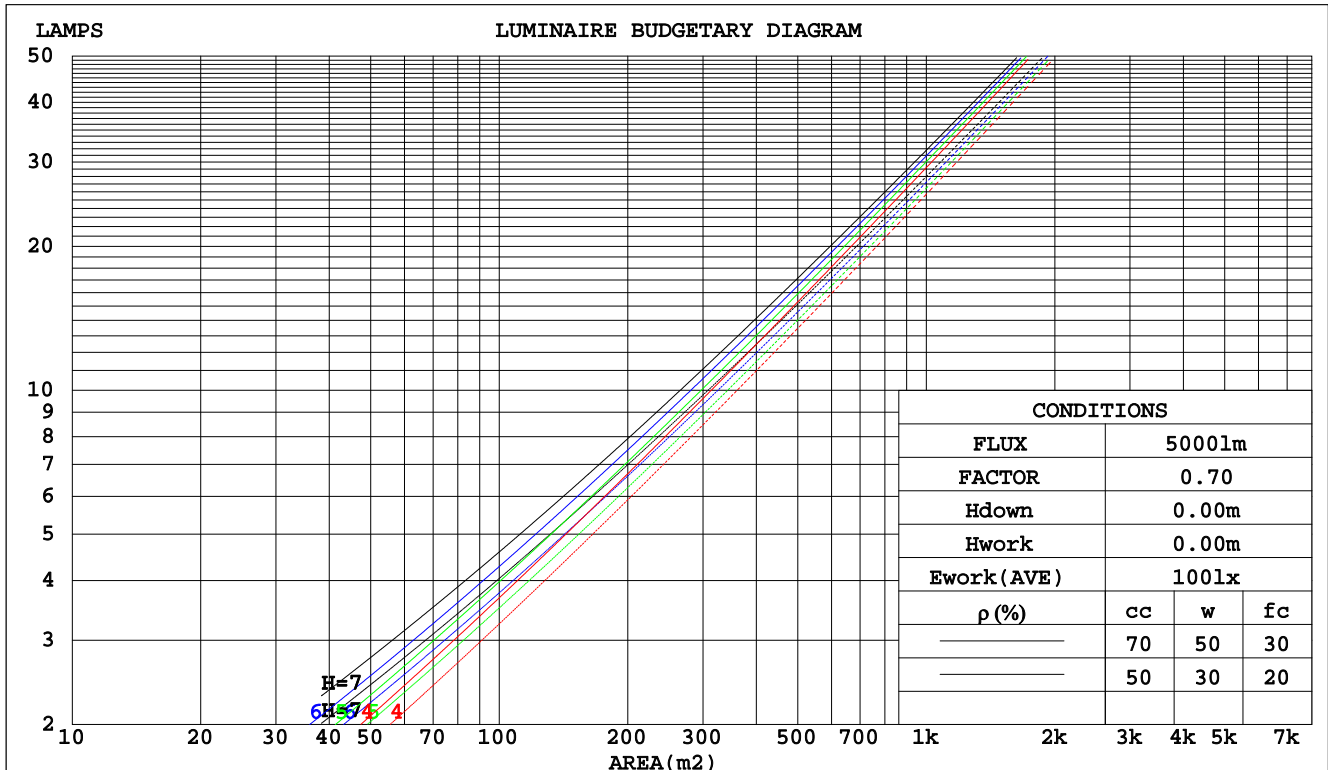
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QiuMing
Test Date:2015-11-19

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:5.920m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|---------------|--------|-------------------|
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |

| pcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|-----|-----|-----|-----|
| pw | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| pfc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Coefficients of Utilization(CU) | | | | | | | | | |
| 0.0 | 1.18 | 1.18 | 1.18 | 1.15 | 1.15 | 1.15 | 1.10 | 1.10 | 1.10 | 1.05 | 1.05 | 1.05 | .00 | .00 | .00 | .97 |
| 1.0 | 1.10 | 1.07 | 1.05 | 1.07 | 1.05 | 1.03 | 1.03 | 1.01 | .99 | .98 | .97 | .96 | .95 | .93 | .92 | .90 |
| 2.0 | 1.01 | .97 | .93 | .99 | .96 | .92 | .96 | .93 | .90 | .92 | .90 | .88 | .89 | .87 | .85 | .84 |
| 3.0 | .94 | .89 | .85 | .92 | .88 | .84 | .89 | .85 | .82 | .87 | .83 | .80 | .84 | .81 | .79 | .77 |
| 4.0 | .87 | .82 | .77 | .86 | .81 | .77 | .84 | .79 | .75 | .81 | .77 | .74 | .79 | .76 | .73 | .71 |
| 5.0 | .82 | .75 | .71 | .80 | .75 | .71 | .78 | .73 | .70 | .76 | .72 | .69 | .75 | .71 | .68 | .66 |
| 6.0 | .76 | .70 | .66 | .75 | .70 | .65 | .74 | .68 | .65 | .72 | .67 | .64 | .70 | .66 | .63 | .62 |
| 7.0 | .72 | .65 | .61 | .71 | .65 | .61 | .69 | .64 | .60 | .68 | .63 | .60 | .66 | .62 | .59 | .58 |
| 8.0 | .67 | .61 | .57 | .67 | .61 | .57 | .65 | .60 | .56 | .64 | .59 | .56 | .63 | .59 | .55 | .54 |
| 9.0 | .63 | .57 | .53 | .63 | .57 | .53 | .62 | .56 | .53 | .61 | .56 | .52 | .60 | .55 | .52 | .51 |
| 10.0 | .60 | .54 | .50 | .59 | .54 | .50 | .58 | .53 | .50 | .57 | .53 | .49 | .57 | .52 | .49 | .48 |



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: QiuMing
Test Date: 2015-11-19

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity: 65.0%
Test Distance: 5.920m [K=1.0000]
Remarks:

WEC AND CCEC

| | | |
|---------------|--------|-------------------|
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |

| | | | | | | |
|------|---|----------------|----------------|----------------|----------------|---|
| pcc | 80% | 70% | 50% | 30% | 10% | 0 |
| pw | 50% 30% 10% | 50% 30% 10% | 50% 30% 10% | 50% 30% 10% | 50% 30% 10% | 0 |
| pfc | 20% | 20% | 20% | 20% | 20% | 0 |
| RCR | RCR:Room Cavity Ratio Wall Exitance Coefficients(WEC) | | | | | |
| 0.0 | | | | | | |
| 1.0 | .190 .108 .034 | .182 .104 .033 | .168 .096 .031 | .155 .089 .029 | .143 .083 .027 | |
| 2.0 | .181 .099 .030 | .175 .096 .030 | .163 .091 .028 | .152 .085 .027 | .141 .080 .025 | |
| 3.0 | .172 .092 .027 | .167 .089 .027 | .156 .085 .026 | .147 .080 .025 | .138 .076 .024 | |
| 4.0 | .163 .085 .025 | .159 .083 .025 | .150 .079 .024 | .141 .076 .023 | .133 .072 .022 | |
| 5.0 | .155 .079 .023 | .151 .078 .023 | .143 .075 .022 | .136 .072 .021 | .129 .069 .021 | |
| 6.0 | .148 .074 .021 | .144 .073 .021 | .137 .070 .020 | .130 .068 .020 | .124 .065 .019 | |
| 7.0 | .141 .070 .020 | .137 .068 .020 | .131 .066 .019 | .125 .064 .019 | .120 .062 .018 | |
| 8.0 | .134 .066 .018 | .131 .065 .018 | .126 .063 .018 | .120 .061 .018 | .115 .059 .017 | |
| 9.0 | .128 .062 .017 | .126 .061 .017 | .120 .060 .017 | .116 .058 .017 | .111 .056 .016 | |
| 10.0 | .123 .059 .016 | .120 .058 .016 | .116 .057 .016 | .111 .055 .016 | .107 .054 .015 | |

| | | | | | | |
|------|--|----------------|----------------|----------------|----------------|---|
| pcc | 80% | 70% | 50% | 30% | 10% | 0 |
| pw | 50% 30% 10% | 50% 30% 10% | 50% 30% 10% | 50% 30% 10% | 50% 30% 10% | 0 |
| pfc | 20% | 20% | 20% | 20% | 20% | 0 |
| RCR | RCR:Room Cavity Ratio Ceiling Cavity Exitance Coefficients(CCEC) | | | | | |
| 0.0 | .210 .210 .210 | .179 .179 .179 | .122 .122 .122 | .070 .070 .070 | .022 .022 .022 | |
| 1.0 | .191 .176 .163 | .164 .151 .140 | .112 .104 .097 | .064 .060 .056 | .021 .019 .018 | |
| 2.0 | .177 .152 .131 | .152 .131 .113 | .104 .090 .079 | .060 .053 .046 | .019 .017 .015 | |
| 3.0 | .165 .133 .108 | .142 .115 .093 | .097 .080 .065 | .056 .047 .039 | .018 .015 .013 | |
| 4.0 | .155 .119 .091 | .133 .103 .079 | .092 .071 .055 | .053 .042 .033 | .017 .014 .011 | |
| 5.0 | .147 .107 .078 | .126 .093 .068 | .087 .065 .048 | .050 .038 .028 | .016 .012 .009 | |
| 6.0 | .140 .098 .068 | .120 .085 .060 | .083 .060 .042 | .048 .035 .025 | .016 .011 .008 | |
| 7.0 | .133 .091 .061 | .115 .079 .053 | .079 .055 .038 | .046 .032 .022 | .015 .011 .007 | |
| 8.0 | .128 .085 .055 | .110 .073 .048 | .076 .052 .034 | .044 .030 .020 | .014 .010 .007 | |
| 9.0 | .122 .079 .050 | .106 .069 .044 | .073 .048 .031 | .043 .029 .019 | .014 .009 .006 | |
| 10.0 | .118 .075 .047 | .102 .065 .041 | .070 .046 .029 | .041 .027 .017 | .013 .009 .006 | |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QiuMing
Test Date:2015-11-19

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:5.920m [K=1.0000]
Remarks:

Uncorrected UGR Table

| | | | | | | | | | | | | | | | |
|--|---------------|------|------|------|------|------------------|------|------|------|------|-------------------|--|--|--|--|
| NAME: | | | | | | TYPE: | | | | | WEIGHT: | | | | |
| DIM.: | | | | | | SPEC.: | | | | | SERIAL No.: | | | | |
| MFR.: Rayconn | | | | | | SUR.: | | | | | PROTECTION ANGLE: | | | | |
| ceiling/cavity | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 | | | | | |
| walls | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 | | | | | |
| working plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | | | | | |
| Room dimensions | | | | | | Viewed crosswise | | | | | Viewed endwise | | | | |
| x = 2H y = 2H | 21.3 | 22.3 | 21.5 | 22.5 | 22.7 | 20.6 | 21.6 | 20.9 | 21.8 | 22.0 | | | | | |
| 3H | 21.2 | 22.1 | 21.5 | 22.3 | 22.6 | 20.5 | 21.4 | 20.8 | 21.7 | 21.9 | | | | | |
| 4H | 21.1 | 22.0 | 21.4 | 22.2 | 22.5 | 20.5 | 21.3 | 20.8 | 21.6 | 21.9 | | | | | |
| 6H | 21.1 | 21.8 | 21.4 | 22.1 | 22.4 | 20.4 | 21.2 | 20.7 | 21.5 | 21.8 | | | | | |
| 8H | 21.0 | 21.8 | 21.4 | 22.1 | 22.4 | 20.4 | 21.1 | 20.7 | 21.4 | 21.8 | | | | | |
| 12H | 21.0 | 21.7 | 21.4 | 22.0 | 22.4 | 20.3 | 21.1 | 20.7 | 21.4 | 21.7 | | | | | |
| 4H 2H | 21.0 | 21.9 | 21.4 | 22.1 | 22.4 | 20.4 | 21.2 | 20.7 | 21.5 | 21.8 | | | | | |
| 3H | 21.0 | 21.7 | 21.3 | 22.0 | 22.3 | 20.3 | 21.1 | 20.7 | 21.4 | 21.7 | | | | | |
| 4H | 20.9 | 21.6 | 21.3 | 21.9 | 22.3 | 20.3 | 21.0 | 20.7 | 21.3 | 21.7 | | | | | |
| 6H | 20.9 | 21.5 | 21.3 | 21.8 | 22.2 | 20.2 | 20.8 | 20.7 | 21.2 | 21.6 | | | | | |
| 8H | 20.8 | 21.4 | 21.3 | 21.8 | 22.2 | 20.2 | 20.8 | 20.7 | 21.2 | 21.6 | | | | | |
| 12H | 20.8 | 21.3 | 21.3 | 21.7 | 22.2 | 20.2 | 20.7 | 20.7 | 21.1 | 21.6 | | | | | |
| 8H 4H | 20.8 | 21.3 | 21.2 | 21.7 | 22.2 | 20.2 | 20.7 | 20.6 | 21.1 | 21.5 | | | | | |
| 6H | 20.8 | 21.2 | 21.2 | 21.6 | 22.1 | 20.1 | 20.6 | 20.6 | 21.0 | 21.5 | | | | | |
| 8H | 20.7 | 21.1 | 21.2 | 21.6 | 22.1 | 20.1 | 20.5 | 20.6 | 21.0 | 21.5 | | | | | |
| 12H | 20.8 | 21.1 | 21.3 | 21.6 | 22.1 | 20.1 | 20.5 | 20.7 | 21.0 | 21.5 | | | | | |
| 12H 4H | 20.8 | 21.2 | 21.2 | 21.7 | 22.1 | 20.1 | 20.6 | 20.6 | 21.0 | 21.5 | | | | | |
| 6H | 20.7 | 21.1 | 21.2 | 21.6 | 22.1 | 20.1 | 20.5 | 20.6 | 20.9 | 21.4 | | | | | |
| 8H | 20.7 | 21.0 | 21.2 | 21.5 | 22.1 | 20.1 | 20.4 | 20.6 | 20.9 | 21.4 | | | | | |
| Variations with the observer position at spacings: | | | | | | | | | | | | | | | |
| S = 1.0H | + 2.6 / - 7.6 | | | | | + 2.5 / - 7.3 | | | | | | | | | |
| 1.5H | + 3.6 / - 8.1 | | | | | + 4.2 / - 7.6 | | | | | | | | | |
| 2.0H | + 7.5 / - 4.5 | | | | | + 6.5 / - 2.6 | | | | | | | | | |

CIE Pub.117 Corrected 1719 lm Total Lamp Luminous Flux.(8log(F/F0) = 1.9)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QiuMing
Test Date:2015-11-19

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:5.920m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

| | | |
|---------------|--------|-------------------|
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |

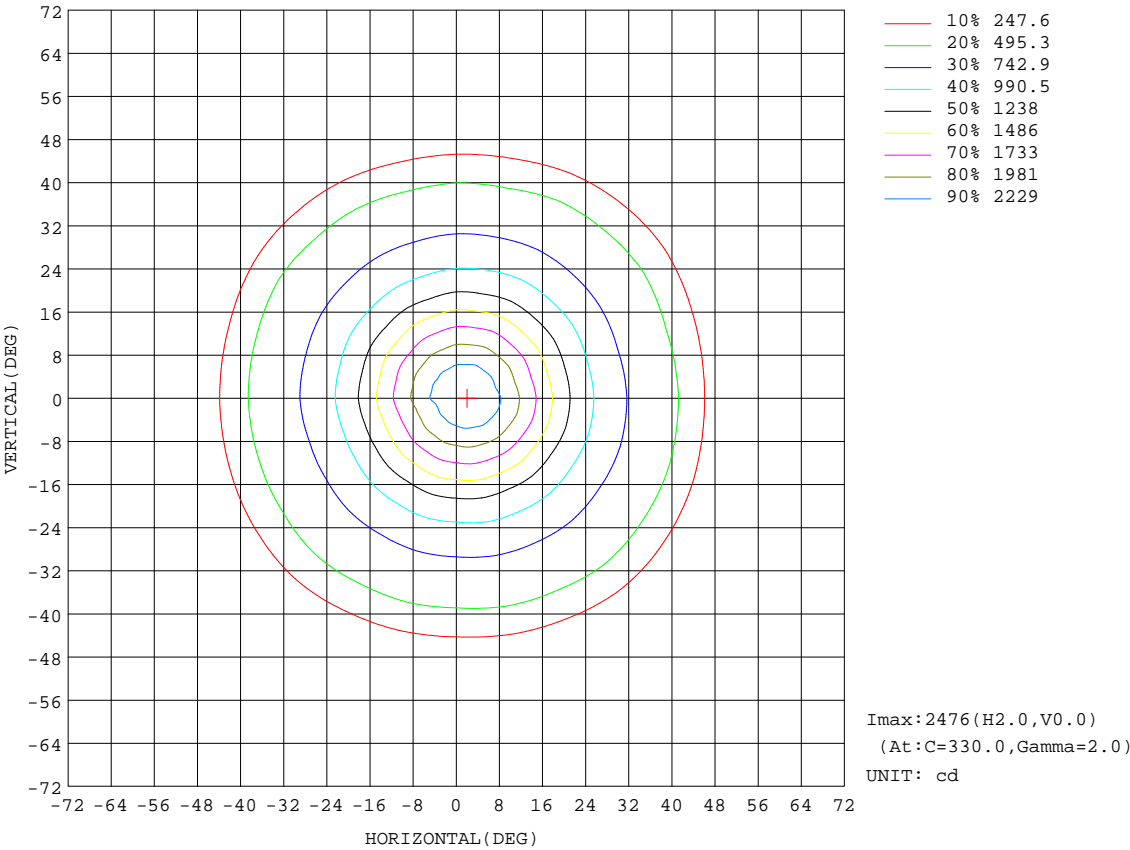
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|---|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0 |
| ROOM INDEX | UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$ | | | | | | | | | |
| $k = 0.60$ | 82 | 74 | 70 | 81 | 74 | 70 | 80 | 74 | 70 | 66 |
| 0.80 | 90 | 83 | 79 | 89 | 83 | 78 | 87 | 82 | 78 | 74 |
| 1.00 | 95 | 89 | 84 | 94 | 88 | 84 | 92 | 88 | 83 | 79 |
| 1.25 | 100 | 94 | 90 | 98 | 93 | 89 | 96 | 92 | 88 | 83 |
| 1.50 | 103 | 97 | 93 | 101 | 96 | 93 | 99 | 95 | 92 | 86 |
| 2.00 | 106 | 101 | 98 | 104 | 100 | 97 | 101 | 98 | 95 | 89 |
| 2.50 | 108 | 104 | 100 | 106 | 102 | 99 | 103 | 99 | 97 | 90 |
| 3.00 | 110 | 106 | 103 | 108 | 104 | 102 | 104 | 101 | 99 | 92 |
| 4.00 | 112 | 109 | 106 | 110 | 107 | 105 | 106 | 103 | 102 | 94 |
| 5.00 | 113 | 111 | 109 | 111 | 109 | 107 | 107 | 105 | 103 | 95 |
| ROOM INDEX | UF(total) | | | | | | | | | Direct |
| According to DIN EN 13032-2 2004 | | | Suspended | | | | | SHRNOM = 1.25 | | |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: QiuMing
Test Date: 2015-11-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 γ Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity: 65.0%
Test Distance: 5.920m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

| | | |
|---------------|--------|-------------------|
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |



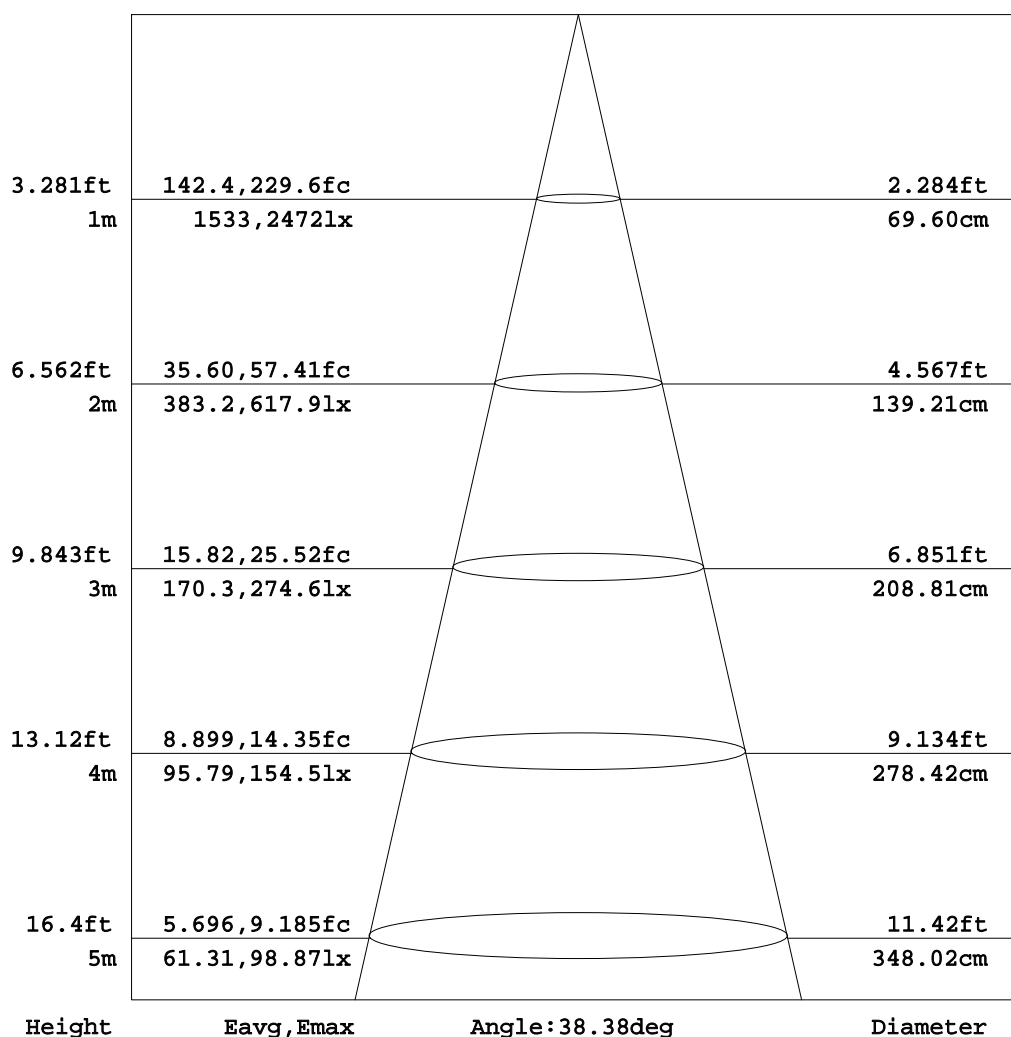
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: QiuMing
Test Date: 2015-11-19

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity: 65.0%
Test Distance: 5.920m [K=1.0000]
Remarks:

AAI Figure

| | | |
|---------------|--------|-------------------|
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |

Flux out:637.9 lm



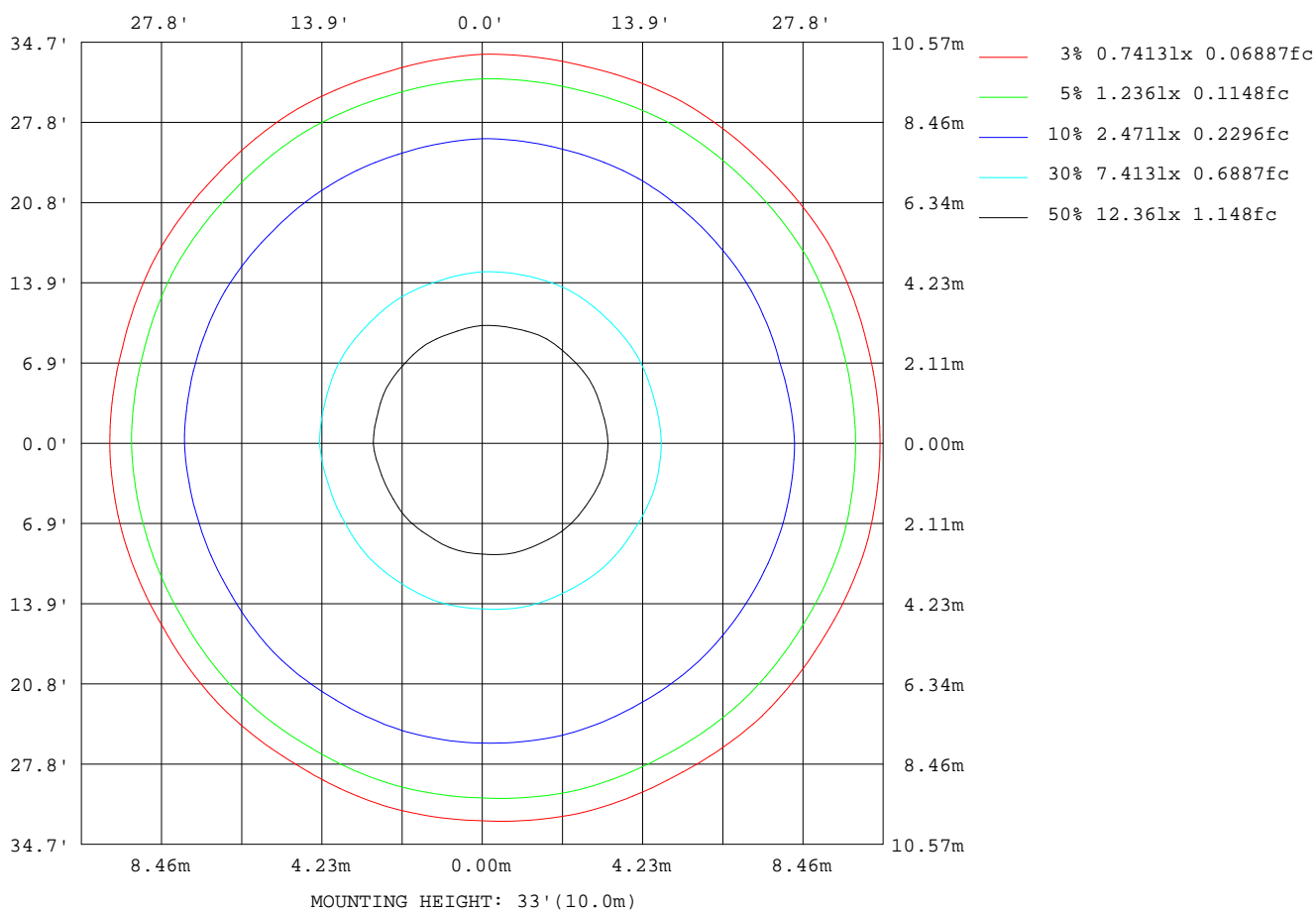
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: QiuMing
Test Date: 2015-11-19

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity: 65.0%
Test Distance: 5.920m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

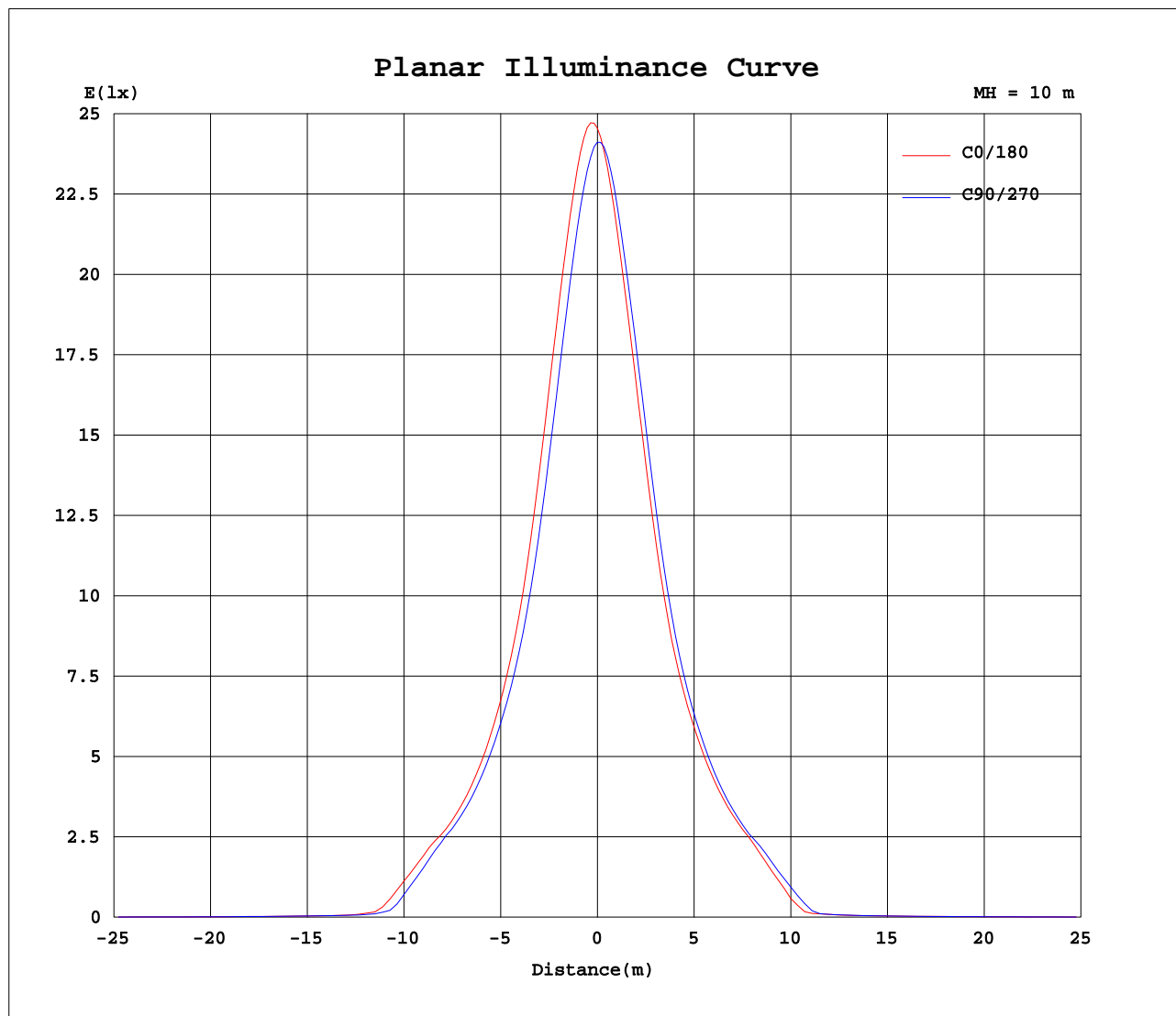
| | | |
|---------------|--------|-------------------|
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: QiuMing
Test Date: 2015-11-19

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity: 65.0%
Test Distance: 5.920m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: QiuMing
Test Date: 2015-11-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity: 65.0%
Test Distance: 5.920m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|---------------|--------|-------------------|
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |

Table--1

UNIT: cd

| C(DEG) γ (DEG) | 0 | 15 | 30 | 45 | 60 | 75 | 90 | 105 | 120 | 135 | 150 | 165 | 180 | 195 | 210 | 225 | 240 | 255 | 270 |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0 | 2418 | 2418 | 2418 | 2418 | 2418 | 2418 | 2418 | 2418 | 2418 | 2418 | 2418 | 2418 | 2418 | 2418 | 2418 | 2418 | 2418 | 2418 | 2418 |
| 5 | 2371 | 2369 | 2344 | 2329 | 2293 | 2274 | 2240 | 2226 | 2200 | 2193 | 2181 | 2185 | 2191 | 2188 | 2210 | 2218 | 2252 | 2264 | 2301 |
| 10 | 2080 | 2075 | 2035 | 2011 | 1962 | 1935 | 1892 | 1878 | 1844 | 1836 | 1818 | 1824 | 1837 | 1839 | 1869 | 1879 | 1918 | 1934 | 1984 |
| 15 | 1693 | 1687 | 1637 | 1615 | 1562 | 1538 | 1497 | 1484 | 1448 | 1446 | 1427 | 1437 | 1449 | 1446 | 1484 | 1491 | 1536 | 1548 | 1601 |
| 20 | 1298 | 1290 | 1250 | 1235 | 1194 | 1182 | 1150 | 1144 | 1113 | 1107 | 1090 | 1093 | 1106 | 1103 | 1132 | 1134 | 1168 | 1175 | 1223 |
| 25 | 1001 | 996 | 970 | 964 | 940 | 930 | 905 | 898 | 880 | 873 | 859 | 863 | 868 | 870 | 886 | 890 | 912 | 921 | 951 |
| 30 | 788 | 789 | 770 | 767 | 751 | 743 | 725 | 720 | 705 | 702 | 692 | 697 | 702 | 703 | 712 | 716 | 732 | 740 | 762 |
| 35 | 629 | 631 | 619 | 616 | 602 | 599 | 585 | 580 | 570 | 569 | 564 | 567 | 569 | 571 | 576 | 578 | 587 | 594 | 612 |
| 40 | 521 | 520 | 510 | 504 | 483 | 482 | 464 | 456 | 439 | 438 | 431 | 436 | 438 | 442 | 454 | 456 | 469 | 472 | 496 |
| 45 | 313 | 312 | 288 | 275 | 242 | 232 | 200 | 188 | 160 | 157 | 142 | 167 | 163 | 163 | 190 | 198 | 225 | 235 | 266 |
| 50 | 47.5 | 41.6 | 39.9 | 39.1 | 37.2 | 36.5 | 34.3 | 34.0 | 31.8 | 32.4 | 30.5 | 32.6 | 34.1 | 33.9 | 35.5 | 35.1 | 35.7 | 35.2 | 35.6 |
| 55 | 24.4 | 24.6 | 24.0 | 24.2 | 24.4 | 24.6 | 24.5 | 24.4 | 24.5 | 24.7 | 24.5 | 24.7 | 24.9 | 24.8 | 25.1 | 25.3 | 25.6 | 25.4 | 25.6 |
| 60 | 20.4 | 20.7 | 20.1 | 20.5 | 21.2 | 21.6 | 21.5 | 21.5 | 21.7 | 22.1 | 21.7 | 22.0 | 22.3 | 21.9 | 21.7 | 21.8 | 21.8 | 21.4 | 21.3 |
| 65 | 17.5 | 17.5 | 17.1 | 17.5 | 18.0 | 18.4 | 17.8 | 17.9 | 17.8 | 18.0 | 17.7 | 18.2 | 18.4 | 17.8 | 18.2 | 18.4 | 18.6 | 18.3 | 18.4 |
| 70 | 13.5 | 13.4 | 13.1 | 13.5 | 13.4 | 13.5 | 12.9 | 13.1 | 13.0 | 13.1 | 12.9 | 13.1 | 13.2 | 13.1 | 13.5 | 13.6 | 14.1 | 13.9 | 14.2 |
| 75 | 8.38 | 8.44 | 8.36 | 8.51 | 8.38 | 8.45 | 7.97 | 7.94 | 7.26 | 7.36 | 7.02 | 7.38 | 7.65 | 7.62 | 8.31 | 8.32 | 9.00 | 8.98 | 9.12 |
| 80 | 4.42 | 4.43 | 4.35 | 4.33 | 4.25 | 4.22 | 4.14 | 4.12 | 4.06 | 4.06 | 4.04 | 4.06 | 4.19 | 4.19 | 4.23 | 4.26 | 4.31 | 4.34 | 4.39 |
| 85 | 3.64 | 3.63 | 3.58 | 3.57 | 3.50 | 3.48 | 3.43 | 3.41 | 3.37 | 3.36 | 3.35 | 3.35 | 3.59 | 3.60 | 3.62 | 3.63 | 3.66 | 3.68 | 3.72 |
| 90 | 3.07 | 3.07 | 3.06 | 3.05 | 3.04 | 3.04 | 3.05 | 3.05 | 3.06 | 3.05 | 3.07 | 3.05 | 3.41 | 3.40 | 3.39 | 3.38 | 3.35 | 3.35 | 3.33 |
| 95 | 3.17 | 3.17 | 3.18 | 3.19 | 3.20 | 3.20 | 3.22 | 3.23 | 3.25 | 3.24 | 3.26 | 3.25 | 3.71 | 3.72 | 3.69 | 3.68 | 3.65 | 3.64 | 3.59 |
| 100 | 3.41 | 3.41 | 3.42 | 3.43 | 3.46 | 3.46 | 3.49 | 3.51 | 3.54 | 3.54 | 3.56 | 3.55 | 4.10 | 4.10 | 4.07 | 4.06 | 4.01 | 4.00 | 3.95 |
| 105 | 3.75 | 3.75 | 3.78 | 3.78 | 3.82 | 3.84 | 3.89 | 3.90 | 3.95 | 3.94 | 3.98 | 3.96 | 4.55 | 4.55 | 4.51 | 4.50 | 4.45 | 4.44 | 4.38 |
| 110 | 4.21 | 4.21 | 4.24 | 4.26 | 4.31 | 4.33 | 4.39 | 4.41 | 4.47 | 4.47 | 4.51 | 4.49 | 5.06 | 5.07 | 5.01 | 5.00 | 4.94 | 4.92 | 4.87 |
| 115 | 4.79 | 4.79 | 4.83 | 4.85 | 4.92 | 4.94 | 5.02 | 5.04 | 5.12 | 5.12 | 5.17 | 5.14 | 5.67 | 5.67 | 5.61 | 5.59 | 5.53 | 5.50 | 5.43 |
| 120 | 5.49 | 5.50 | 5.55 | 5.57 | 5.65 | 5.68 | 5.78 | 5.81 | 5.89 | 5.90 | 5.96 | 5.93 | 6.41 | 6.40 | 6.33 | 6.31 | 6.23 | 6.19 | 6.11 |
| 125 | 6.33 | 6.34 | 6.39 | 6.42 | 6.51 | 6.56 | 6.66 | 6.70 | 6.80 | 6.81 | 6.88 | 6.84 | 7.27 | 7.26 | 7.18 | 7.14 | 7.05 | 7.00 | 6.92 |
| 130 | 7.27 | 7.29 | 7.35 | 7.39 | 7.49 | 7.55 | 7.66 | 7.71 | 7.81 | 7.82 | 7.89 | 7.85 | 8.23 | 8.21 | 8.12 | 8.08 | 7.98 | 7.92 | 7.83 |
| 135 | 8.30 | 8.33 | 8.39 | 8.44 | 8.53 | 8.60 | 8.70 | 8.76 | 8.86 | 8.87 | 8.94 | 8.91 | 9.20 | 9.19 | 9.10 | 9.06 | 8.96 | 8.90 | 8.81 |
| 140 | 9.36 | 9.39 | 9.43 | 9.49 | 9.58 | 9.64 | 9.73 | 9.79 | 9.88 | 9.90 | 9.97 | 9.93 | 10.1 | 10.1 | 10.1 | 10.0 | 9.92 | 9.86 | 9.77 |
| 145 | 10.4 | 10.4 | 10.4 | 10.5 | 10.6 | 10.6 | 10.7 | 10.7 | 10.8 | 10.8 | 10.9 | 10.9 | 11.0 | 11.0 | 10.9 | 10.9 | 10.8 | 10.7 | 10.7 |
| 150 | 11.1 | 11.2 | 11.2 | 11.2 | 11.3 | 11.3 | 11.3 | 11.4 | 11.4 | 11.5 | 11.5 | 11.5 | 11.6 | 11.5 | 11.5 | 11.5 | 11.4 | 11.4 | 11.3 |
| 155 | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 | 11.8 | 11.8 | 11.8 | 11.9 | 11.9 | 11.9 | 11.9 | 12.0 | 11.9 | 11.9 | 11.9 | 11.8 | 11.8 | 11.8 |
| 160 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 12.3 | 12.3 | 12.3 | 12.4 | 12.4 | 12.4 | 12.4 | 12.4 | 12.4 | 12.3 | 12.3 | 12.3 | 12.2 | 12.2 |
| 165 | 12.6 | 12.7 | 12.7 | 12.7 | 12.7 | 12.7 | 12.7 | 12.7 | 12.8 | 12.8 | 12.8 | 12.8 | 12.7 | 12.7 | 12.7 | 12.6 | 12.6 | 12.6 | 12.6 |
| 170 | 13.0 | 13.0 | 13.0 | 13.0 | 13.0 | 13.0 | 13.0 | 13.0 | 13.0 | 13.0 | 13.1 | 13.1 | 13.1 | 13.0 | 13.0 | 13.0 | 13.0 | 13.0 | 13.0 |
| 175 | 13.3 | 13.3 | 13.3 | 13.3 | 13.3 | 13.3 | 13.3 | 13.3 | 13.3 | 13.3 | 13.4 | 13.4 | 13.4 | 13.3 | 13.3 | 13.3 | 13.3 | 13.3 | 13.3 |
| 180 | 13.6 | 13.7 | 13.6 | 13.6 | 13.6 | 13.6 | 13.6 | 13.6 | 13.6 | 13.6 | 13.6 | 13.6 | 13.7 | 13.6 | 13.6 | 13.6 | 13.6 | 13.5 | 13.6 |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QiuMing
Test Date:2015-11-19

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:5.920m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|---------------|--------|-------------------|
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |

Table--2

UNIT: cd

| C(DEG) γ (DEG) | 285 | 300 | 315 | 330 | 345 | | | | | | | | | | | | | | |
|-------------------|------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 0 | 2418 | 2418 | 2418 | 2418 | 2418 | | | | | | | | | | | | | | |
| 5 | 2316 | 2351 | 2359 | 2381 | 2372 | | | | | | | | | | | | | | |
| 10 | 2005 | 2056 | 2067 | 2101 | 2087 | | | | | | | | | | | | | | |
| 15 | 1621 | 1676 | 1679 | 1712 | 1697 | | | | | | | | | | | | | | |
| 20 | 1239 | 1285 | 1290 | 1322 | 1307 | | | | | | | | | | | | | | |
| 25 | 968 | 995 | 997 | 1016 | 1009 | | | | | | | | | | | | | | |
| 30 | 771 | 789 | 788 | 797 | 790 | | | | | | | | | | | | | | |
| 35 | 615 | 629 | 629 | 638 | 632 | | | | | | | | | | | | | | |
| 40 | 495 | 514 | 517 | 523 | 519 | | | | | | | | | | | | | | |
| 45 | 277 | 306 | 311 | 326 | 316 | | | | | | | | | | | | | | |
| 50 | 36.0 | 37.7 | 38.8 | 41.8 | 49.6 | | | | | | | | | | | | | | |
| 55 | 25.5 | 25.6 | 25.0 | 25.0 | 24.4 | | | | | | | | | | | | | | |
| 60 | 21.2 | 21.3 | 20.6 | 20.8 | 20.3 | | | | | | | | | | | | | | |
| 65 | 18.3 | 18.1 | 17.5 | 17.4 | 17.2 | | | | | | | | | | | | | | |
| 70 | 14.2 | 14.1 | 13.5 | 13.4 | 13.3 | | | | | | | | | | | | | | |
| 75 | 8.96 | 8.90 | 8.60 | 8.57 | 8.39 | | | | | | | | | | | | | | |
| 80 | 4.42 | 4.47 | 4.46 | 4.49 | 4.47 | | | | | | | | | | | | | | |
| 85 | 3.74 | 3.78 | 3.78 | 3.80 | 3.77 | | | | | | | | | | | | | | |
| 90 | 3.34 | 3.35 | 3.35 | 3.34 | 3.33 | | | | | | | | | | | | | | |
| 95 | 3.59 | 3.57 | 3.56 | 3.54 | 3.55 | | | | | | | | | | | | | | |
| 100 | 3.95 | 3.92 | 3.91 | 3.89 | 3.90 | | | | | | | | | | | | | | |
| 105 | 4.37 | 4.34 | 4.33 | 4.31 | 4.32 | | | | | | | | | | | | | | |
| 110 | 4.86 | 4.81 | 4.81 | 4.77 | 4.80 | | | | | | | | | | | | | | |
| 115 | 5.42 | 5.36 | 5.36 | 5.33 | 5.34 | | | | | | | | | | | | | | |
| 120 | 6.08 | 6.03 | 6.02 | 5.98 | 5.99 | | | | | | | | | | | | | | |
| 125 | 6.88 | 6.81 | 6.80 | 6.76 | 6.77 | | | | | | | | | | | | | | |
| 130 | 7.79 | 7.72 | 7.69 | 7.66 | 7.67 | | | | | | | | | | | | | | |
| 135 | 8.76 | 8.69 | 8.66 | 8.63 | 8.64 | | | | | | | | | | | | | | |
| 140 | 9.73 | 9.66 | 9.64 | 9.60 | 9.61 | | | | | | | | | | | | | | |
| 145 | 10.6 | 10.6 | 10.5 | 10.5 | 10.5 | | | | | | | | | | | | | | |
| 150 | 11.3 | 11.3 | 11.3 | 11.2 | 11.3 | | | | | | | | | | | | | | |
| 155 | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 | | | | | | | | | | | | | | |
| 160 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | | | | | | | | | | | | | | |
| 165 | 12.6 | 12.6 | 12.6 | 12.6 | 12.6 | | | | | | | | | | | | | | |
| 170 | 13.0 | 13.0 | 13.0 | 13.0 | 13.0 | | | | | | | | | | | | | | |
| 175 | 13.3 | 13.3 | 13.3 | 13.3 | 13.3 | | | | | | | | | | | | | | |
| 180 | 13.6 | 13.6 | 13.6 | 13.6 | 13.6 | | | | | | | | | | | | | | |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QiuMing
Test Date:2015-11-19

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:5.920m [K=1.0000]
Remarks: