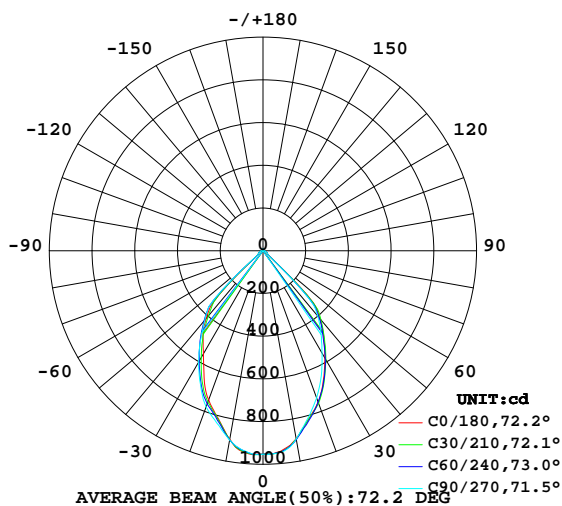


LUMINAIRE PHOTOMETRIC TEST REPORT

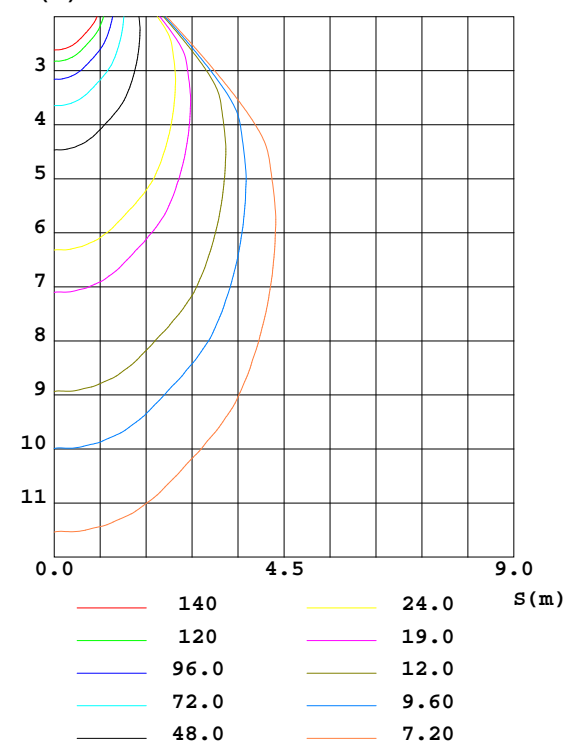
| | | |
|---|--------|-------------------|
| Test:U:226.5V I:0.0730A P:13.70W PF:0.8260 Lamp Flux:1223.29x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 89.29 lm/W | | | |
|------------------|--------------------|----------------------------------|--------|-------------------|----------|
| MODEL | BL171-14W-940-W-60 | Imax(cd) | 957.1 | S/MH(C0/180) | 0.97 |
| NOMINAL POWER(W) | 14 | LOR(%) | 100.0 | S/MH(C90/270) | 0.94 |
| RATED VOLTAGE(V) | 226 | TOTAL FLUX(lm) | 1223.3 | η UP,DN(C0-180) | 1.2,48.0 |
| NOMINAL FLUX(lm) | 1223.29 | CIE CLASS | DIRECT | η UP,DN(C180-360) | 1.2,49.6 |
| LAMPS INSIDE | 1 | η up(%) | 2.4 | CIBSE SHR NOM | 1.00 |
| TEST VOLTAGE(V) | 226.6 | η down(%) | 97.6 | CIBSE SHR MAX | 1.15 |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:ZhangXiao
 Test Date:2016-08-26

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
 Humidity:65.0%
 Test Distance:6.590m [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 | 893.7 | 898.9 | 895.8 | 897.4 | 896.3 | 896.6 | 900.3 | 893.6 | 0- 10 | 88.75 | 88.75 | 7.26,7.26 |
| 20 | 754.7 | 763.1 | 733.8 | 757.6 | 743.7 | 756.3 | 778.4 | 771.4 | 10- 20 | 231.3 | 320.1 | 26.2,26.2 |
| 30 | 580.1 | 587.8 | 553.9 | 576.4 | 558.3 | 591.8 | 603.4 | 602.1 | 20- 30 | 308.4 | 628.4 | 51.4,51.4 |
| 40 | 413.7 | 417.3 | 397.4 | 400.6 | 413.9 | 423.1 | 423.3 | 428.8 | 30- 40 | 309.3 | 937.7 | 76.7,76.7 |
| 50 | 38.32 | 36.93 | 37.07 | 38.82 | 40.53 | 40.73 | 43.43 | 39.71 | 40- 50 | 190.7 | 1128 | 92.2,92.2 |
| 60 | 22.93 | 23.32 | 23.84 | 23.98 | 23.68 | 23.21 | 23.69 | 23.05 | 50- 60 | 25.12 | 1154 | 94.3,94.3 |
| 70 | 14.06 | 14.04 | 14.09 | 13.98 | 14.31 | 14.35 | 14.81 | 14.21 | 60- 70 | 19.66 | 1173 | 95.9,95.9 |
| 80 | 10.07 | 10.12 | 10.14 | 10.37 | 10.64 | 10.57 | 10.59 | 10.29 | 70- 80 | 13.25 | 1186 | 97,97 |
| 90 | 2.017 | 2.014 | 2.026 | 2.015 | 2.278 | 2.394 | 2.643 | 2.272 | 80- 90 | 7.609 | 1194 | 97.6,97.6 |
| 100 | 2.493 | 2.527 | 2.553 | 2.532 | 2.815 | 2.792 | 2.770 | 2.770 | 90-100 | 2.588 | 1197 | 97.8,97.8 |
| 110 | 3.194 | 3.244 | 3.286 | 3.260 | 3.572 | 3.548 | 3.508 | 3.514 | 100-110 | 3.183 | 1200 | 98.1,98.1 |
| 120 | 4.090 | 4.142 | 4.208 | 4.177 | 4.475 | 4.430 | 4.390 | 4.396 | 110-120 | 3.791 | 1204 | 98.4,98.4 |
| 130 | 5.137 | 5.195 | 5.261 | 5.233 | 5.499 | 5.456 | 5.409 | 5.416 | 120-130 | 4.295 | 1208 | 98.7,98.7 |
| 140 | 6.196 | 6.256 | 6.329 | 6.305 | 6.488 | 6.453 | 6.415 | 6.422 | 130-140 | 4.523 | 1212 | 99.1,99.1 |
| 150 | 7.018 | 7.045 | 7.125 | 7.107 | 7.175 | 7.148 | 7.124 | 7.143 | 140-150 | 4.235 | 1217 | 99.5,99.5 |
| 160 | 7.828 | 7.863 | 7.914 | 7.898 | 7.965 | 7.927 | 7.897 | 7.915 | 150-160 | 3.463 | 1220 | 99.7,99.7 |
| 170 | 8.629 | 8.666 | 8.687 | 8.670 | 8.680 | 8.667 | 8.646 | 8.638 | 160-170 | 2.337 | 1222 | 99.9,99.9 |
| 180 | 9.183 | 9.183 | 9.209 | 9.179 | 9.180 | 9.186 | 9.202 | 9.174 | 170-180 | 0.8475 | 1223 | 100,100 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

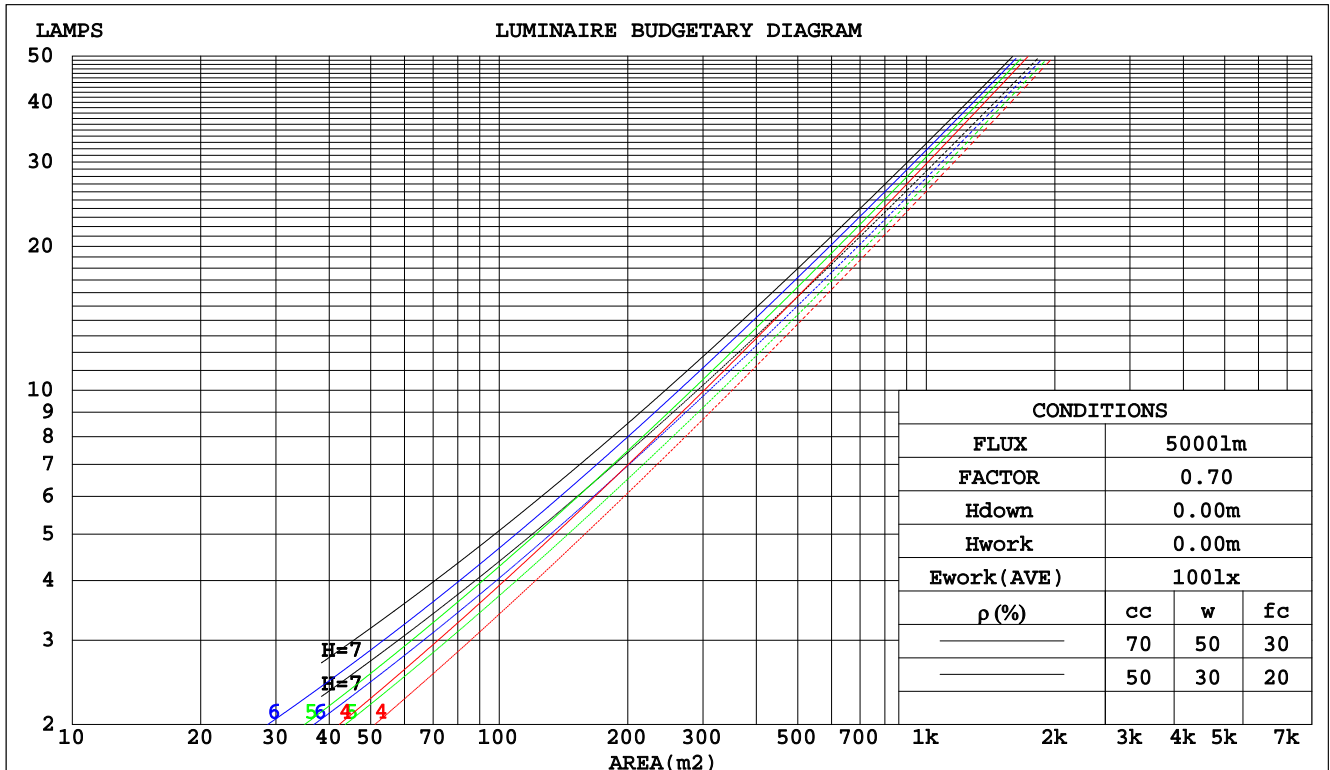
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2016-08-26

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:6.590m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|---|--------|-------------------|
| Test:U:226.5V I:0.0730A P:13.70W PF:0.8260 Lamp Flux:1223.29x1 lm | | |
| 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 | .98 |
| 1.0 | 1.08 | 1.05 | 1.03 | 1.06 | 1.03 | 1.01 | 1.01 | .99 | .97 | .97 | .96 | .94 | .93 | .92 | .91 | .89 |
| 2.0 | .99 | .94 | .91 | .97 | .93 | .89 | .94 | .90 | .87 | .90 | .87 | .85 | .87 | .85 | .83 | .81 |
| 3.0 | .91 | .85 | .81 | .89 | .84 | .80 | .86 | .82 | .78 | .84 | .80 | .77 | .81 | .78 | .75 | .73 |
| 4.0 | .84 | .77 | .72 | .82 | .76 | .72 | .80 | .75 | .71 | .77 | .73 | .70 | .75 | .72 | .68 | .67 |
| 5.0 | .77 | .70 | .66 | .76 | .70 | .65 | .74 | .68 | .64 | .72 | .67 | .63 | .70 | .66 | .63 | .61 |
| 6.0 | .71 | .65 | .60 | .70 | .64 | .59 | .69 | .63 | .59 | .67 | .62 | .58 | .65 | .61 | .57 | .56 |
| 7.0 | .66 | .59 | .55 | .65 | .59 | .54 | .64 | .58 | .54 | .62 | .57 | .53 | .61 | .56 | .53 | .51 |
| 8.0 | .62 | .55 | .50 | .61 | .54 | .50 | .60 | .54 | .50 | .58 | .53 | .49 | .57 | .52 | .49 | .47 |
| 9.0 | .58 | .51 | .46 | .57 | .50 | .46 | .56 | .50 | .46 | .55 | .49 | .46 | .53 | .49 | .45 | .44 |
| 10.0 | .54 | .47 | .43 | .53 | .47 | .43 | .52 | .46 | .43 | .51 | .46 | .42 | .50 | .45 | .42 | .41 |



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: ZhangXiao
Test Date: 2016-08-26

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity: 65.0%
Test Distance: 6.590m [K=1.0000]
Remarks:

WEC AND CCEC

| | | |
|---|--------|-------------------|
| Test:U:226.5V I:0.0730A P:13.70W PF:0.8260 Lamp Flux:1223.29x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |

| pcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 | |
|-----------------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|---|--|
| p _w | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 | |
| p _{fc} | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 | |
| RCR | RCR:Room Cavity Ratio | | | | | | Wall Exitance Coefficients(WEC) | | | | | | | | | | |
| 0.0 | | | | | | | | | | | | | | | | | |
| 1.0 | .211 | .120 | .038 | .204 | .116 | .037 | .190 | .109 | .035 | .177 | .102 | .033 | .165 | .096 | .031 | | |
| 2.0 | .202 | .111 | .034 | .195 | .108 | .033 | .183 | .102 | .032 | .172 | .096 | .030 | .161 | .091 | .029 | | |
| 3.0 | .191 | .102 | .030 | .186 | .099 | .030 | .175 | .095 | .029 | .165 | .091 | .028 | .156 | .087 | .027 | | |
| 4.0 | .181 | .094 | .028 | .176 | .092 | .027 | .167 | .089 | .026 | .159 | .085 | .026 | .151 | .082 | .025 | | |
| 5.0 | .172 | .088 | .025 | .168 | .086 | .025 | .160 | .083 | .024 | .152 | .080 | .024 | .145 | .077 | .023 | | |
| 6.0 | .163 | .082 | .023 | .160 | .081 | .023 | .152 | .078 | .023 | .145 | .076 | .022 | .139 | .073 | .022 | | |
| 7.0 | .155 | .077 | .022 | .152 | .076 | .022 | .145 | .074 | .021 | .139 | .071 | .021 | .133 | .069 | .020 | | |
| 8.0 | .148 | .072 | .020 | .145 | .071 | .020 | .139 | .069 | .020 | .133 | .068 | .019 | .128 | .066 | .019 | | |
| 9.0 | .141 | .068 | .019 | .138 | .067 | .019 | .133 | .066 | .019 | .128 | .064 | .018 | .123 | .063 | .018 | | |
| 10.0 | .135 | .065 | .018 | .132 | .064 | .018 | .127 | .062 | .018 | .123 | .061 | .017 | .118 | .059 | .017 | | |

| pcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|-----------------|-----------------------|------|------|------|------|------|--|------|------|------|------|------|------|------|------|---|
| p _w | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| p _{fc} | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Ceiling Cavity Exitance Coefficients(CCEC) | | | | | | | | | |
| 0.0 | .209 | .209 | .209 | .178 | .178 | .178 | .122 | .122 | .122 | .070 | .070 | .070 | .022 | .022 | .022 | |
| 1.0 | .192 | .175 | .161 | .164 | .151 | .138 | .112 | .104 | .096 | .065 | .060 | .056 | .021 | .019 | .018 | |
| 2.0 | .179 | .151 | .127 | .153 | .130 | .110 | .105 | .090 | .077 | .060 | .052 | .045 | .019 | .017 | .015 | |
| 3.0 | .168 | .132 | .104 | .144 | .114 | .090 | .099 | .079 | .063 | .057 | .046 | .037 | .018 | .015 | .012 | |
| 4.0 | .159 | .118 | .087 | .136 | .102 | .076 | .094 | .071 | .053 | .054 | .042 | .032 | .017 | .014 | .010 | |
| 5.0 | .151 | .107 | .075 | .130 | .093 | .065 | .089 | .065 | .046 | .052 | .038 | .027 | .017 | .012 | .009 | |
| 6.0 | .144 | .098 | .065 | .124 | .085 | .057 | .085 | .059 | .040 | .050 | .035 | .024 | .016 | .011 | .008 | |
| 7.0 | .138 | .091 | .058 | .119 | .079 | .051 | .082 | .055 | .036 | .048 | .033 | .021 | .015 | .011 | .007 | |
| 8.0 | .132 | .085 | .052 | .114 | .074 | .046 | .079 | .052 | .032 | .046 | .031 | .019 | .015 | .010 | .006 | |
| 9.0 | .127 | .080 | .048 | .110 | .069 | .042 | .076 | .049 | .030 | .044 | .029 | .018 | .014 | .009 | .006 | |
| 10.0 | .123 | .076 | .044 | .106 | .066 | .039 | .073 | .046 | .028 | .043 | .027 | .016 | .014 | .009 | .005 | |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2016-08-26

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:6.590m [K=1.0000]
Remarks:

Uncorrected UGR Table

| | | | | | | | | | | | |
|---|---------------|------------------|------|------|--------|---------------|----------------|-------------------|------|------|------|
| Test:U:226.5V I:0.0730A P:13.70W PF:0.8260 Lamp Flux:1223.29x1 lm | | | | | | | | | | | |
| 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 | 20.9 | 22.0 | 21.2 | 22.2 | 22.5 | 20.7 | 21.8 | 21.0 | 22.0 | 22.3 | |
| | 3H | 20.9 | 21.9 | 21.2 | 22.1 | 22.4 | 20.7 | 21.7 | 21.0 | 21.9 | 22.2 |
| | 4H | 20.9 | 21.8 | 21.2 | 22.1 | 22.4 | 20.7 | 21.6 | 21.0 | 21.9 | 22.2 |
| | 6H | 20.9 | 21.8 | 21.3 | 22.1 | 22.4 | 20.7 | 21.6 | 21.1 | 21.9 | 22.2 |
| | 8H | 21.0 | 21.8 | 21.3 | 22.1 | 22.4 | 20.8 | 21.6 | 21.2 | 22.0 | 22.3 |
| | 12H | 21.0 | 21.8 | 21.4 | 22.2 | 22.5 | 20.9 | 21.7 | 21.2 | 22.0 | 22.3 |
| 4H | 2H | 20.7 | 21.6 | 21.0 | 21.9 | 22.2 | 20.5 | 21.5 | 20.8 | 21.7 | 22.0 |
| | 3H | 20.7 | 21.5 | 21.1 | 21.8 | 22.2 | 20.5 | 21.3 | 20.9 | 21.7 | 22.0 |
| | 4H | 20.8 | 21.5 | 21.2 | 21.9 | 22.2 | 20.6 | 21.3 | 21.0 | 21.7 | 22.0 |
| | 6H | 20.9 | 21.6 | 21.3 | 22.0 | 22.4 | 20.8 | 21.4 | 21.2 | 21.8 | 22.2 |
| | 8H | 21.0 | 21.6 | 21.5 | 22.0 | 22.5 | 20.9 | 21.5 | 21.3 | 21.9 | 22.3 |
| | 12H | 21.2 | 21.7 | 21.6 | 22.1 | 22.6 | 21.0 | 21.6 | 21.5 | 22.0 | 22.4 |
| 8H | 4H | 20.7 | 21.3 | 21.2 | 21.7 | 22.2 | 20.6 | 21.2 | 21.0 | 21.6 | 22.0 |
| | 6H | 21.0 | 21.5 | 21.5 | 21.9 | 22.4 | 20.8 | 21.3 | 21.3 | 21.8 | 22.2 |
| | 8H | 21.2 | 21.6 | 21.7 | 22.1 | 22.6 | 21.0 | 21.5 | 21.5 | 21.9 | 22.4 |
| | 12H | 21.4 | 21.8 | 21.9 | 22.3 | 22.8 | 21.3 | 21.7 | 21.8 | 22.1 | 22.7 |
| 12H | 4H | 20.7 | 21.3 | 21.2 | 21.7 | 22.1 | 20.5 | 21.1 | 21.0 | 21.5 | 21.9 |
| | 6H | 21.0 | 21.4 | 21.5 | 21.9 | 22.4 | 20.8 | 21.3 | 21.3 | 21.7 | 22.2 |
| | 8H | 21.2 | 21.6 | 21.7 | 22.1 | 22.6 | 21.1 | 21.5 | 21.6 | 21.9 | 22.5 |
| Variations with the observer position at spacings: | | | | | | | | | | | |
| S = 1.0H | + 2.7 / - 4.2 | | | | | + 2.7 / - 4.0 | | | | | |
| 1.5H | + 2.9 / - 4.9 | | | | | + 3.0 / - 4.6 | | | | | |
| 2.0H | + 6.4 / - 2.3 | | | | | + 5.7 / - 1.9 | | | | | |

CIE Pub.117 Corrected 1223 lm Total Lamp Luminous Flux.(8log(F/F0) = 0.7)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2016-08-26

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:6.590m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

| | | |
|---|--------|-------------------|
| Test:U:226.5V I:0.0730A P:13.70W PF:0.8260 Lamp Flux:1223.29x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |

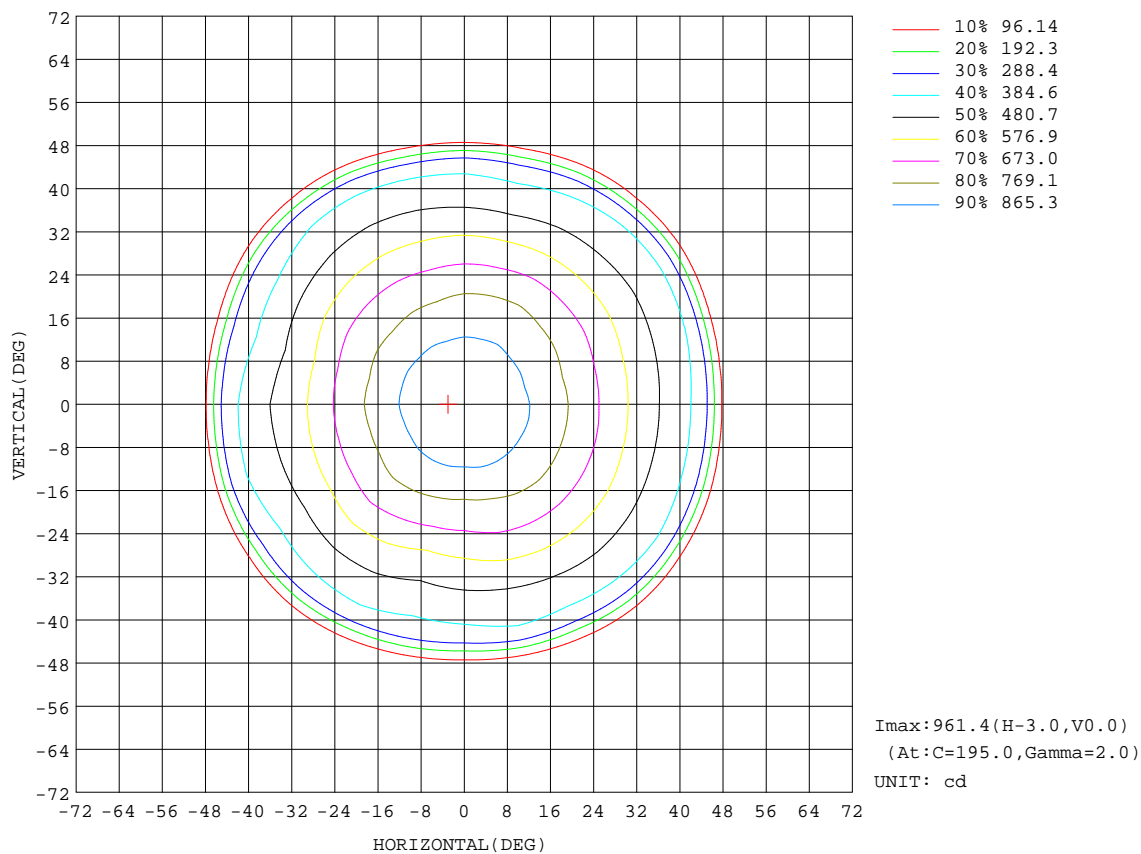
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|---|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 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 | 77 | 69 | 64 | 76 | 69 | 64 | 75 | 68 | 64 | 59 |
| 0.80 | 86 | 78 | 73 | 85 | 78 | 73 | 83 | 77 | 73 | 68 |
| 1.00 | 92 | 85 | 80 | 91 | 84 | 80 | 89 | 84 | 79 | 74 |
| 1.25 | 97 | 90 | 86 | 96 | 90 | 85 | 93 | 88 | 84 | 79 |
| 1.50 | 100 | 94 | 90 | 99 | 93 | 89 | 96 | 92 | 88 | 82 |
| 2.00 | 104 | 99 | 95 | 103 | 98 | 94 | 99 | 96 | 92 | 86 |
| 2.50 | 107 | 102 | 98 | 105 | 100 | 97 | 101 | 98 | 95 | 88 |
| 3.00 | 109 | 104 | 101 | 107 | 103 | 99 | 103 | 100 | 97 | 89 |
| 4.00 | 111 | 107 | 104 | 109 | 106 | 103 | 105 | 102 | 100 | 92 |
| 5.00 | 113 | 109 | 107 | 110 | 107 | 105 | 106 | 104 | 102 | 93 |
| 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:ZhangXiao
Test Date:2016-08-26

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 γ Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:6.590m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

| | | |
|---|--------|-------------------|
| Test:U:226.5V I:0.0730A P:13.70W PF:0.8260 Lamp Flux:1223.29x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |



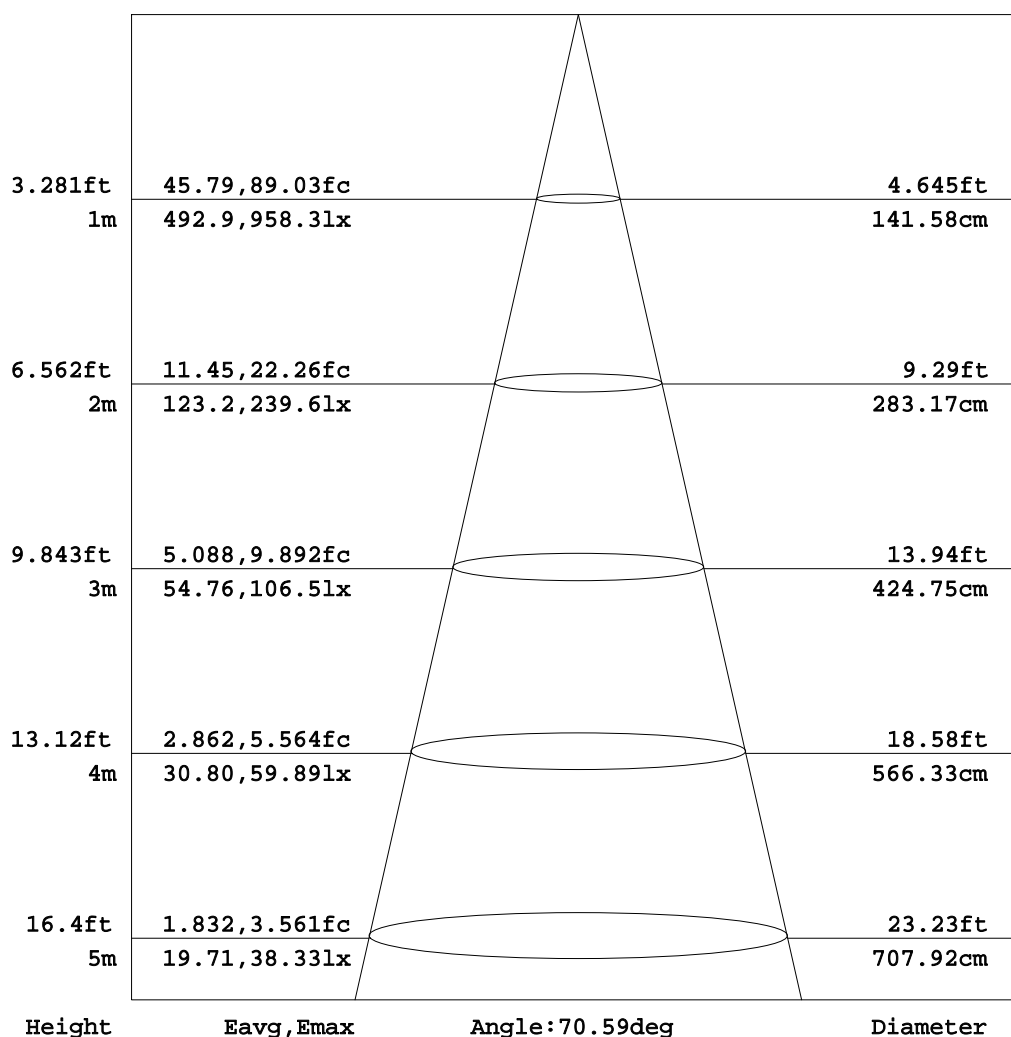
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2016-08-26

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:6.590m [K=1.0000]
Remarks:

AAI Figure

| | | |
|---|--------|-------------------|
| Test:U:226.5V I:0.0730A P:13.70W PF:0.8260 Lamp Flux:1223.29x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |

Flux out:817.3 lm



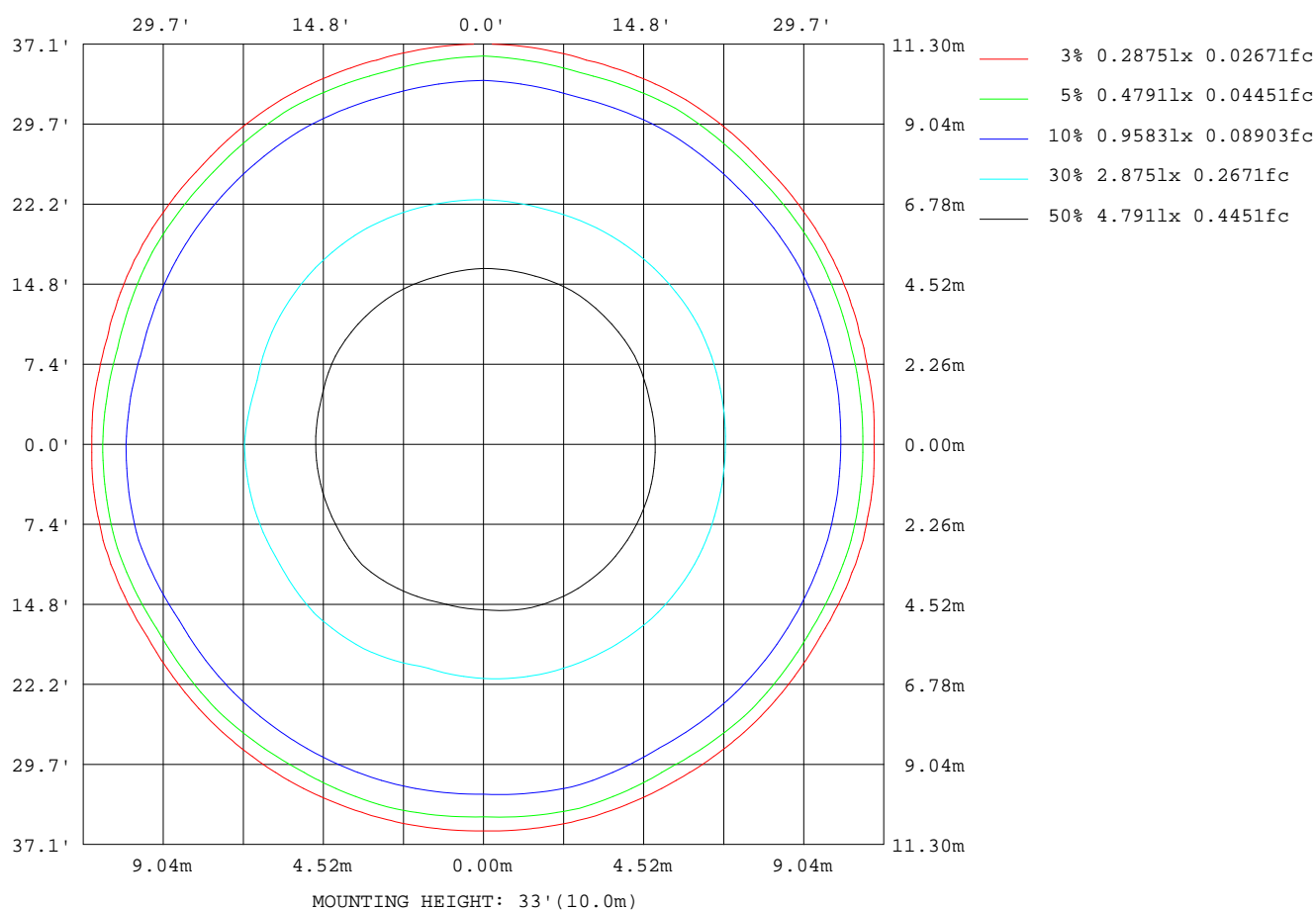
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: ZhangXiao
Test Date: 2016-08-26

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity: 65.0%
Test Distance: 6.590m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

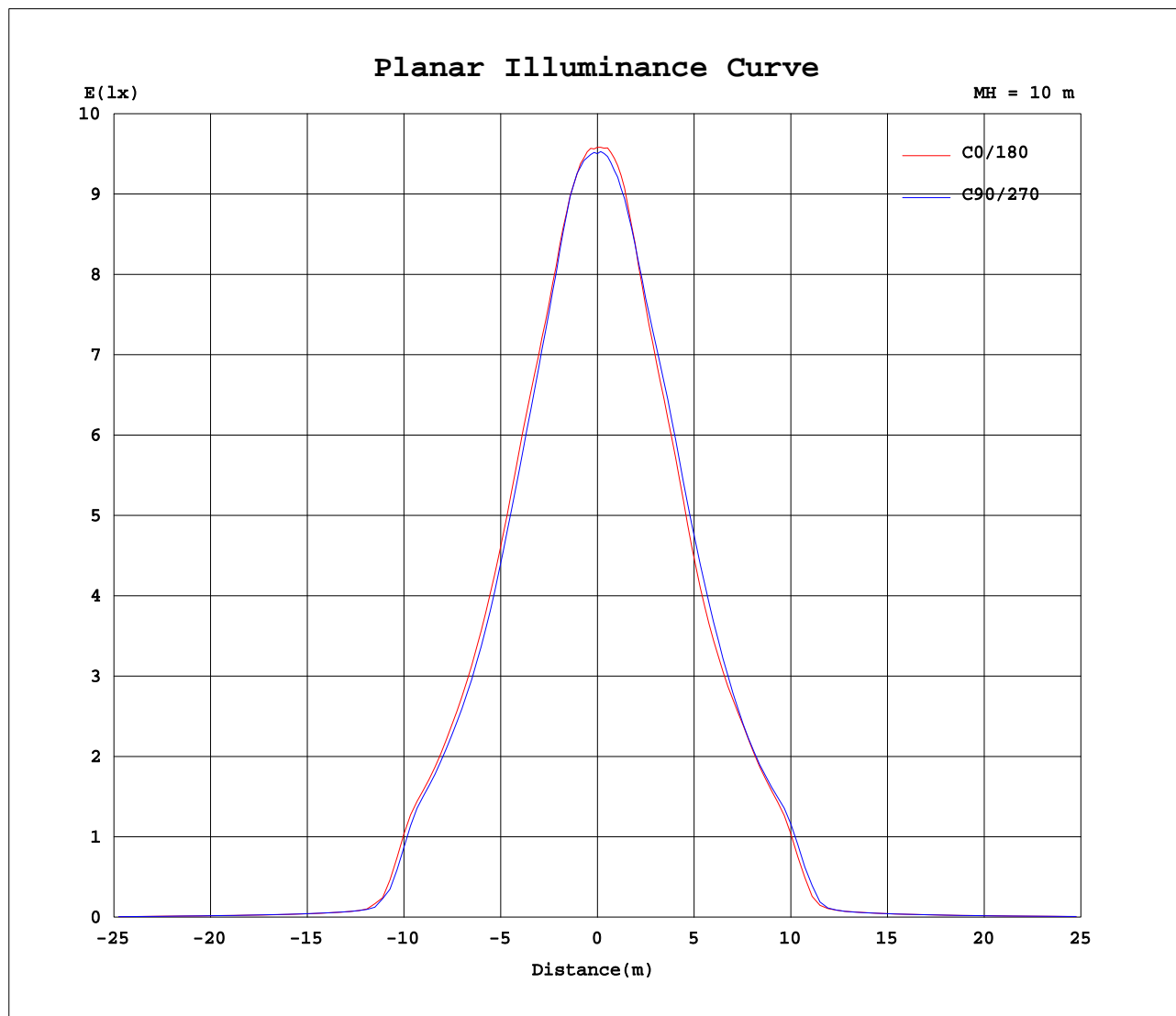
| | | |
|---|--------|-------------------|
| Test:U:226.5V I:0.0730A P:13.70W PF:0.8260 Lamp Flux:1223.29x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: ZhangXiao
Test Date: 2016-08-26

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity: 65.0%
Test Distance: 6.590m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: ZhangXiao
Test Date: 2016-08-26

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity: 65.0%
Test Distance: 6.590m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | | | | | | | | | | | | | | | | | | |
|---|--|--|--|--|--|--|--|--|--|--------|--|--|--|--|-------------------|--|--|--|--|
| Test:U:226.5V I:0.0730A P:13.70W PF:0.8260 Lamp Flux:1223.29x1 lm | | | | | | | | | | | | | | | | | | | |
| 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 | 953 | 953 | 953 | 953 | 953 | 953 | 953 | 953 | 953 | 953 | 953 | 953 | 953 | 953 | 953 | 953 | 953 | 953 | 953 |
| 5 | 943 | 944 | 945 | 946 | 946 | 946 | 946 | 947 | 947 | 947 | 949 | 951 | 950 | 949 | 949 | 945 | 945 | 942 | 942 |
| 10 | 894 | 896 | 896 | 899 | 898 | 899 | 896 | 900 | 896 | 897 | 895 | 896 | 896 | 895 | 898 | 897 | 899 | 897 | 900 |
| 15 | 819 | 823 | 820 | 825 | 825 | 821 | 812 | 816 | 817 | 816 | 810 | 813 | 812 | 814 | 816 | 815 | 823 | 824 | 835 |
| 20 | 755 | 757 | 761 | 763 | 754 | 741 | 734 | 736 | 745 | 758 | 747 | 745 | 744 | 744 | 755 | 756 | 764 | 766 | 778 |
| 25 | 669 | 675 | 677 | 678 | 673 | 666 | 647 | 640 | 655 | 674 | 660 | 658 | 653 | 657 | 675 | 683 | 686 | 686 | 693 |
| 30 | 580 | 584 | 590 | 588 | 583 | 573 | 554 | 537 | 564 | 576 | 563 | 565 | 558 | 554 | 579 | 592 | 597 | 598 | 603 |
| 35 | 497 | 498 | 502 | 500 | 490 | 482 | 473 | 462 | 482 | 488 | 478 | 488 | 491 | 472 | 490 | 505 | 513 | 513 | 509 |
| 40 | 414 | 418 | 422 | 417 | 409 | 414 | 397 | 388 | 404 | 401 | 392 | 417 | 414 | 387 | 397 | 423 | 429 | 429 | 423 |
| 45 | 291 | 291 | 281 | 271 | 252 | 272 | 247 | 255 | 257 | 261 | 257 | 299 | 292 | 272 | 293 | 314 | 327 | 320 | 329 |
| 50 | 38.3 | 38.8 | 36.5 | 36.9 | 36.4 | 37.5 | 37.1 | 38.4 | 38.1 | 38.8 | 38.3 | 39.8 | 40.5 | 39.9 | 41.8 | 40.7 | 42.0 | 41.2 | 43.4 |
| 55 | 26.8 | 27.0 | 26.5 | 26.5 | 26.7 | 27.1 | 27.2 | 27.6 | 27.7 | 27.8 | 27.7 | 27.7 | 27.8 | 27.6 | 27.8 | 27.2 | 27.3 | 27.1 | 27.6 |
| 60 | 22.9 | 23.2 | 23.2 | 23.3 | 23.6 | 23.8 | 23.8 | 24.0 | 24.0 | 24.0 | 23.9 | 23.9 | 23.7 | 23.7 | 23.7 | 23.2 | 23.3 | 23.3 | 23.7 |
| 65 | 20.5 | 20.7 | 20.7 | 20.6 | 20.5 | 20.5 | 20.3 | 20.5 | 21.0 | 21.2 | 20.9 | 20.9 | 20.8 | 21.0 | 21.2 | 20.9 | 20.9 | 20.8 | 21.1 |
| 70 | 14.1 | 14.1 | 14.0 | 14.0 | 14.0 | 14.0 | 14.1 | 14.2 | 14.0 | 14.0 | 13.9 | 14.1 | 14.3 | 14.3 | 14.4 | 14.3 | 14.7 | 14.6 | 14.8 |
| 75 | 12.6 | 12.6 | 12.6 | 12.6 | 12.6 | 12.7 | 12.6 | 12.6 | 12.6 | 12.8 | 12.7 | 12.8 | 13.0 | 13.0 | 13.1 | 13.0 | 13.0 | 13.0 | 13.0 |
| 80 | 10.1 | 10.1 | 10.1 | 10.1 | 10.0 | 10.2 | 10.1 | 10.3 | 10.3 | 10.4 | 10.3 | 10.5 | 10.6 | 10.6 | 10.7 | 10.6 | 10.6 | 10.5 | 10.6 |
| 85 | 7.19 | 7.27 | 7.07 | 7.17 | 6.98 | 7.15 | 7.03 | 7.28 | 7.20 | 7.48 | 7.45 | 7.73 | 7.96 | 7.92 | 8.08 | 7.98 | 8.08 | 7.94 | 7.98 |
| 90 | 2.02 | 2.00 | 2.01 | 2.01 | 2.02 | 2.02 | 2.03 | 2.03 | 2.02 | 2.01 | 2.02 | 2.01 | 2.28 | 2.27 | 2.47 | 2.39 | 2.63 | 2.48 | 2.64 |
| 95 | 2.21 | 2.23 | 2.23 | 2.24 | 2.25 | 2.26 | 2.26 | 2.25 | 2.25 | 2.25 | 2.24 | 2.23 | 2.50 | 2.49 | 2.48 | 2.48 | 2.47 | 2.47 | 2.47 |
| 100 | 2.49 | 2.50 | 2.51 | 2.53 | 2.53 | 2.54 | 2.55 | 2.54 | 2.55 | 2.53 | 2.53 | 2.52 | 2.81 | 2.81 | 2.79 | 2.79 | 2.78 | 2.78 | 2.77 |
| 105 | 2.82 | 2.83 | 2.85 | 2.86 | 2.87 | 2.88 | 2.90 | 2.89 | 2.89 | 2.87 | 2.87 | 2.85 | 3.18 | 3.18 | 3.15 | 3.16 | 3.14 | 3.14 | 3.13 |
| 110 | 3.19 | 3.21 | 3.24 | 3.24 | 3.26 | 3.26 | 3.29 | 3.27 | 3.28 | 3.26 | 3.26 | 3.25 | 3.57 | 3.57 | 3.55 | 3.55 | 3.52 | 3.53 | 3.51 |
| 115 | 3.62 | 3.64 | 3.67 | 3.67 | 3.70 | 3.69 | 3.72 | 3.71 | 3.72 | 3.70 | 3.70 | 3.67 | 4.01 | 4.01 | 3.97 | 3.97 | 3.94 | 3.95 | 3.93 |
| 120 | 4.09 | 4.10 | 4.14 | 4.14 | 4.18 | 4.17 | 4.21 | 4.19 | 4.20 | 4.18 | 4.18 | 4.14 | 4.48 | 4.48 | 4.43 | 4.43 | 4.40 | 4.41 | 4.39 |
| 125 | 4.60 | 4.61 | 4.65 | 4.66 | 4.69 | 4.69 | 4.72 | 4.72 | 4.72 | 4.69 | 4.70 | 4.67 | 4.98 | 4.98 | 4.92 | 4.93 | 4.89 | 4.92 | 4.88 |
| 130 | 5.14 | 5.15 | 5.18 | 5.19 | 5.23 | 5.23 | 5.26 | 5.25 | 5.27 | 5.23 | 5.24 | 5.21 | 5.50 | 5.51 | 5.45 | 5.46 | 5.42 | 5.44 | 5.41 |
| 135 | 5.67 | 5.70 | 5.73 | 5.74 | 5.77 | 5.78 | 5.80 | 5.79 | 5.82 | 5.78 | 5.79 | 5.77 | 6.01 | 6.03 | 5.97 | 5.97 | 5.94 | 5.96 | 5.93 |
| 140 | 6.20 | 6.21 | 6.25 | 6.26 | 6.28 | 6.29 | 6.33 | 6.31 | 6.33 | 6.30 | 6.31 | 6.29 | 6.49 | 6.50 | 6.45 | 6.45 | 6.42 | 6.44 | 6.42 |
| 145 | 6.65 | 6.66 | 6.69 | 6.69 | 6.71 | 6.71 | 6.76 | 6.75 | 6.76 | 6.75 | 6.76 | 6.73 | 6.86 | 6.87 | 6.82 | 6.84 | 6.81 | 6.81 | 6.81 |
| 150 | 7.02 | 7.03 | 7.05 | 7.04 | 7.07 | 7.08 | 7.13 | 7.11 | 7.12 | 7.11 | 7.11 | 7.09 | 7.18 | 7.19 | 7.13 | 7.15 | 7.12 | 7.12 | 7.12 |
| 155 | 7.42 | 7.43 | 7.45 | 7.46 | 7.48 | 7.49 | 7.53 | 7.52 | 7.52 | 7.51 | 7.51 | 7.49 | 7.56 | 7.57 | 7.52 | 7.53 | 7.50 | 7.51 | 7.50 |
| 160 | 7.83 | 7.84 | 7.87 | 7.86 | 7.88 | 7.89 | 7.91 | 7.92 | 7.92 | 7.90 | 7.91 | 7.90 | 7.96 | 7.96 | 7.91 | 7.93 | 7.91 | 7.91 | 7.90 |
| 165 | 8.22 | 8.24 | 8.26 | 8.27 | 8.28 | 8.28 | 8.30 | 8.30 | 8.31 | 8.29 | 8.30 | 8.29 | 8.34 | 8.35 | 8.28 | 8.29 | 8.28 | 8.30 | 8.27 |
| 170 | 8.63 | 8.65 | 8.65 | 8.67 | 8.66 | 8.66 | 8.69 | 8.70 | 8.70 | 8.67 | 8.67 | 8.67 | 8.68 | 8.69 | 8.68 | 8.67 | 8.64 | 8.64 | 8.65 |
| 175 | 8.97 | 9.00 | 8.98 | 8.99 | 9.00 | 9.01 | 9.03 | 9.02 | 9.01 | 9.02 | 9.00 | 9.00 | 8.98 | 9.00 | 8.97 | 8.97 | 8.96 | 8.95 | 8.97 |
| 180 | 9.18 | 9.21 | 9.18 | 9.18 | 9.18 | 9.19 | 9.21 | 9.20 | 9.18 | 9.18 | 9.18 | 9.19 | 9.18 | 9.19 | 9.18 | 9.19 | 9.19 | 9.20 | 9.20 |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2016-08-26

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:6.590m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | | | | |
|---|--|--|--------|--|-------------------|
| Test:U:226.5V I:0.0730A P:13.70W PF:0.8260 Lamp Flux:1223.29x1 lm | | | | | |
| NAME: | | | TYPE: | | WEIGHT: |
| DIM.: | | | SPEC.: | | SERIAL No.: |
| MFR.: Rayconn | | | SUR.: | | PROTECTION ANGLE: |

Table--2

UNIT: cd

| C(DEC) | 285 | 300 | 315 | 330 | 345 | | | | | | | | | | | | | | |
|---------|------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| γ (DEC) | | | | | | | | | | | | | | | | | | | |
| 0 | 953 | 953 | 953 | 953 | 953 | | | | | | | | | | | | | | |
| 5 | 940 | 939 | 941 | 939 | 939 | | | | | | | | | | | | | | |
| 10 | 898 | 899 | 894 | 894 | 890 | | | | | | | | | | | | | | |
| 15 | 836 | 837 | 827 | 823 | 818 | | | | | | | | | | | | | | |
| 20 | 783 | 782 | 771 | 766 | 757 | | | | | | | | | | | | | | |
| 25 | 695 | 701 | 695 | 690 | 676 | | | | | | | | | | | | | | |
| 30 | 599 | 604 | 602 | 599 | 587 | | | | | | | | | | | | | | |
| 35 | 503 | 509 | 513 | 514 | 507 | | | | | | | | | | | | | | |
| 40 | 417 | 426 | 429 | 435 | 429 | | | | | | | | | | | | | | |
| 45 | 304 | 321 | 319 | 325 | 306 | | | | | | | | | | | | | | |
| 50 | 42.2 | 42.5 | 39.7 | 39.4 | 37.6 | | | | | | | | | | | | | | |
| 55 | 27.7 | 27.4 | 26.7 | 26.4 | 26.6 | | | | | | | | | | | | | | |
| 60 | 23.7 | 23.4 | 23.1 | 22.9 | 23.0 | | | | | | | | | | | | | | |
| 65 | 21.5 | 21.4 | 21.0 | 20.7 | 20.7 | | | | | | | | | | | | | | |
| 70 | 14.6 | 14.6 | 14.2 | 14.2 | 14.1 | | | | | | | | | | | | | | |
| 75 | 12.9 | 12.9 | 12.9 | 12.9 | 12.8 | | | | | | | | | | | | | | |
| 80 | 10.5 | 10.5 | 10.3 | 10.3 | 10.2 | | | | | | | | | | | | | | |
| 85 | 7.79 | 7.79 | 7.59 | 7.59 | 7.40 | | | | | | | | | | | | | | |
| 90 | 2.41 | 2.50 | 2.27 | 2.29 | 2.24 | | | | | | | | | | | | | | |
| 95 | 2.47 | 2.46 | 2.47 | 2.46 | 2.48 | | | | | | | | | | | | | | |
| 100 | 2.77 | 2.76 | 2.77 | 2.77 | 2.79 | | | | | | | | | | | | | | |
| 105 | 3.13 | 3.12 | 3.13 | 3.13 | 3.15 | | | | | | | | | | | | | | |
| 110 | 3.51 | 3.49 | 3.51 | 3.51 | 3.53 | | | | | | | | | | | | | | |
| 115 | 3.94 | 3.91 | 3.94 | 3.93 | 3.95 | | | | | | | | | | | | | | |
| 120 | 4.40 | 4.37 | 4.40 | 4.37 | 4.41 | | | | | | | | | | | | | | |
| 125 | 4.90 | 4.87 | 4.89 | 4.87 | 4.91 | | | | | | | | | | | | | | |
| 130 | 5.44 | 5.40 | 5.42 | 5.40 | 5.45 | | | | | | | | | | | | | | |
| 135 | 5.95 | 5.92 | 5.93 | 5.92 | 5.96 | | | | | | | | | | | | | | |
| 140 | 6.44 | 6.41 | 6.42 | 6.41 | 6.44 | | | | | | | | | | | | | | |
| 145 | 6.82 | 6.80 | 6.81 | 6.81 | 6.84 | | | | | | | | | | | | | | |
| 150 | 7.14 | 7.12 | 7.14 | 7.12 | 7.16 | | | | | | | | | | | | | | |
| 155 | 7.53 | 7.51 | 7.53 | 7.51 | 7.56 | | | | | | | | | | | | | | |
| 160 | 7.93 | 7.92 | 7.92 | 7.91 | 7.95 | | | | | | | | | | | | | | |
| 165 | 8.30 | 8.27 | 8.29 | 8.29 | 8.32 | | | | | | | | | | | | | | |
| 170 | 8.66 | 8.64 | 8.64 | 8.64 | 8.67 | | | | | | | | | | | | | | |
| 175 | 8.96 | 8.94 | 8.95 | 8.94 | 8.98 | | | | | | | | | | | | | | |
| 180 | 9.20 | 9.18 | 9.17 | 9.19 | 9.19 | | | | | | | | | | | | | | |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2016-08-26

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:6.590m [K=1.0000]
Remarks: