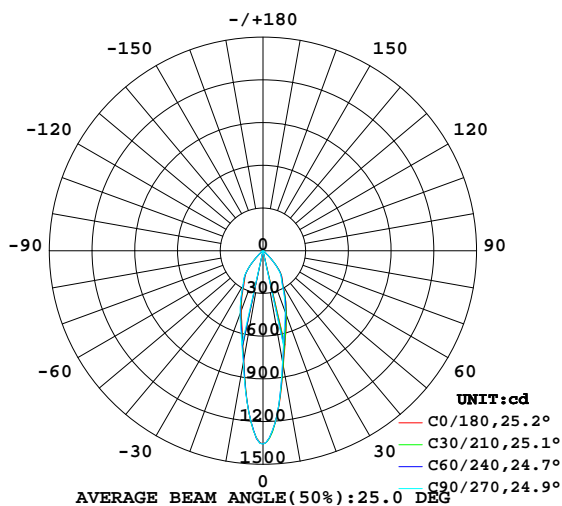


LUMINAIRE PHOTOMETRIC TEST REPORT

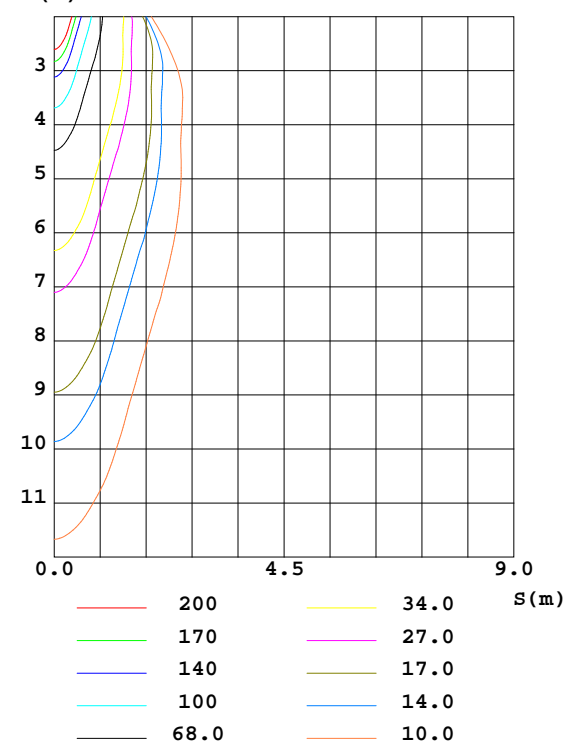
| | | |
|---|--------|-------------------|
| Test:U:226.5V I:0.0440A P:8.530W PF:0.8400 Lamp Flux:683.354x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 80.11 lm/W | | | |
|------------------|------------------|----------------------------------|--------|-------------------|----------|
| MODEL | TL02-8W-930-S-28 | Imax(cd) | 1358 | S/MH(C0/180) | 0.43 |
| NOMINAL POWER(W) | 9 | LOR(%) | 100.0 | S/MH(C90/270) | 0.40 |
| RATED VOLTAGE(V) | 226 | TOTAL FLUX(lm) | 683.35 | η UP,DN(C0-180) | 1.1,48.8 |
| NOMINAL FLUX(lm) | 683.354 | CIE CLASS | DIRECT | η UP,DN(C180-360) | 1.2,48.9 |
| LAMPS INSIDE | 1 | η up(%) | 2.4 | CIBSE SHR NOM | 0.50 |
| TEST VOLTAGE(V) | 226.5 | η down(%) | 97.6 | CIBSE SHR MAX | 0.55 |

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:2015-12-07

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 | 822.6 | 815.1 | 792.7 | 788.8 | 780.3 | 778.1 | 799.7 | 811.2 | 0- 10 | 97.71 | 97.71 | 14.3,14.3 |
| 20 | 482.1 | 480.9 | 456.7 | 446.3 | 446.5 | 455.2 | 473.0 | 479.5 | 10- 20 | 166.5 | 264.2 | 38.7,38.7 |
| 30 | 283.0 | 280.3 | 269.4 | 270.7 | 267.3 | 277.4 | 283.7 | 285.7 | 20- 30 | 166.4 | 430.6 | 63,63 |
| 40 | 172.7 | 170.5 | 160.6 | 155.6 | 156.6 | 155.4 | 162.4 | 170.7 | 30- 40 | 140.1 | 570.7 | 83.5,83.5 |
| 50 | 23.97 | 25.02 | 24.13 | 24.86 | 23.27 | 22.62 | 23.35 | 23.86 | 40- 50 | 60.68 | 631.3 | 92.4,92.4 |
| 60 | 12.26 | 12.45 | 12.21 | 12.59 | 12.09 | 11.95 | 11.82 | 12.01 | 50- 60 | 14.86 | 646.2 | 94.6,94.6 |
| 70 | 7.549 | 7.568 | 7.463 | 7.886 | 7.820 | 7.717 | 7.557 | 7.353 | 60- 70 | 9.723 | 655.9 | 96,96 |
| 80 | 5.145 | 5.118 | 5.162 | 5.745 | 5.838 | 5.747 | 5.511 | 5.028 | 70- 80 | 6.807 | 662.7 | 97,97 |
| 90 | 1.088 | 1.103 | 1.088 | 1.082 | 1.263 | 1.271 | 1.263 | 1.265 | 80- 90 | 4.470 | 667.2 | 97.6,97.6 |
| 100 | 1.170 | 1.180 | 1.172 | 1.200 | 1.492 | 1.476 | 1.488 | 1.463 | 90-100 | 1.352 | 668.6 | 97.8,97.8 |
| 110 | 1.514 | 1.519 | 1.524 | 1.569 | 1.832 | 1.815 | 1.812 | 1.790 | 100-110 | 1.574 | 670.1 | 98.1,98.1 |
| 120 | 1.999 | 2.031 | 2.049 | 2.091 | 2.322 | 2.296 | 2.284 | 2.256 | 110-120 | 1.888 | 672.0 | 98.3,98.3 |
| 130 | 2.749 | 2.779 | 2.812 | 2.853 | 3.038 | 3.018 | 2.985 | 2.954 | 120-130 | 2.246 | 674.3 | 98.7,98.7 |
| 140 | 3.639 | 3.664 | 3.704 | 3.744 | 3.855 | 3.834 | 3.802 | 3.780 | 130-140 | 2.576 | 676.8 | 99,99 |
| 150 | 4.252 | 4.276 | 4.293 | 4.325 | 4.386 | 4.369 | 4.364 | 4.343 | 140-150 | 2.548 | 679.4 | 99.4,99.4 |
| 160 | 4.686 | 4.708 | 4.693 | 4.730 | 4.780 | 4.769 | 4.764 | 4.757 | 150-160 | 2.096 | 681.5 | 99.7,99.7 |
| 170 | 4.980 | 5.000 | 4.975 | 5.003 | 5.031 | 5.026 | 5.036 | 5.036 | 160-170 | 1.381 | 682.9 | 99.9,99.9 |
| 180 | 5.124 | 5.126 | 5.118 | 5.134 | 5.129 | 5.126 | 5.123 | 5.134 | 170-180 | 0.4828 | 683.4 | 100,100 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

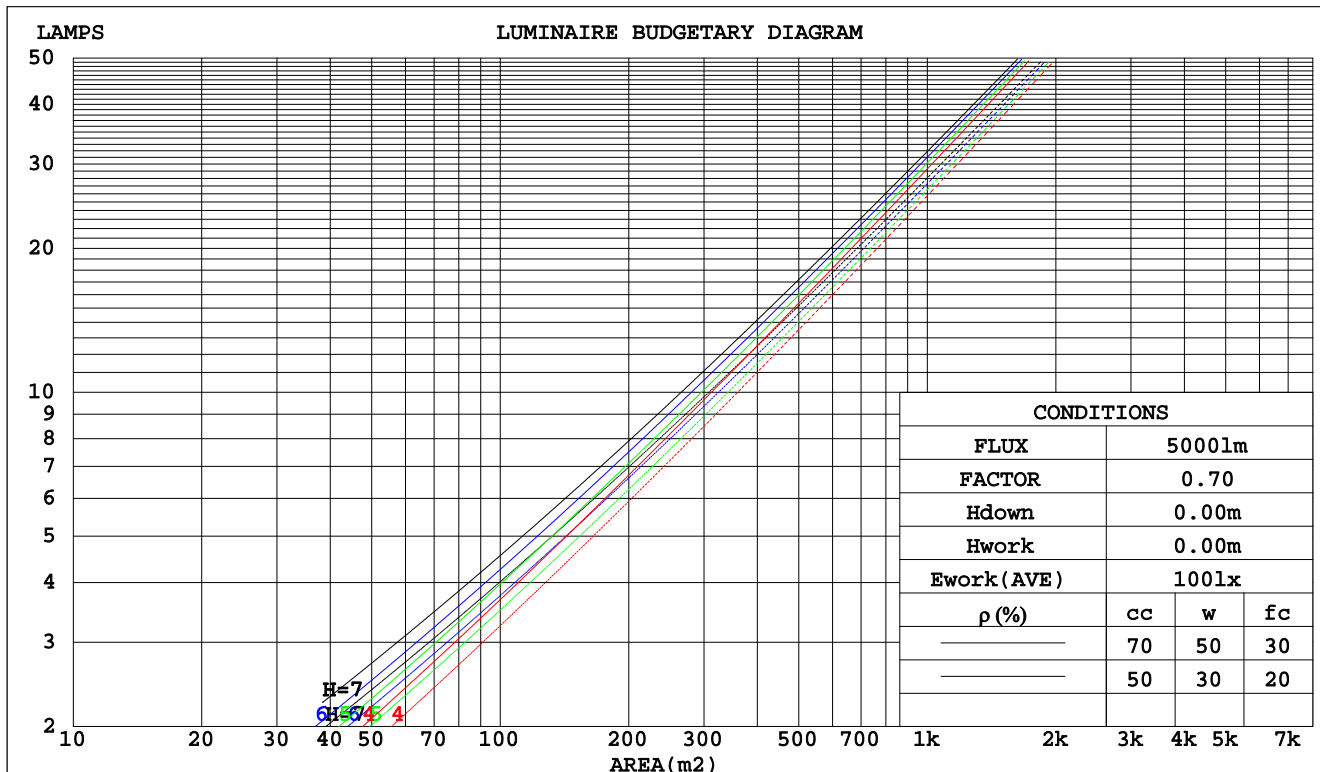
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2015-12-07

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:0.0440A P:8.530W PF:0.8400 Lamp Flux:683.354x1 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 | 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 | 1.09 | 1.07 | 1.04 | 1.07 | 1.04 | 1.02 | 1.02 | 1.00 | .99 | .98 | .97 | .95 | .94 | .93 | .92 | .90 |
| 2.0 | 1.01 | .97 | .93 | .99 | .95 | .92 | .95 | .92 | .89 | .92 | .89 | .87 | .89 | .87 | .85 | .83 |
| 3.0 | .94 | .88 | .84 | .92 | .87 | .83 | .89 | .85 | .82 | .86 | .83 | .80 | .84 | .81 | .79 | .77 |
| 4.0 | .87 | .82 | .77 | .86 | .81 | .76 | .84 | .79 | .75 | .81 | .77 | .74 | .79 | .76 | .73 | .71 |
| 5.0 | .82 | .76 | .71 | .81 | .75 | .71 | .78 | .73 | .70 | .76 | .72 | .69 | .75 | .71 | .68 | .66 |
| 6.0 | .76 | .70 | .66 | .76 | .70 | .66 | .74 | .69 | .65 | .72 | .68 | .64 | .71 | .67 | .64 | .62 |
| 7.0 | .72 | .66 | .61 | .71 | .65 | .61 | .70 | .64 | .61 | .68 | .64 | .60 | .67 | .63 | .60 | .58 |
| 8.0 | .68 | .62 | .57 | .67 | .61 | .57 | .66 | .61 | .57 | .65 | .60 | .56 | .63 | .59 | .56 | .55 |
| 9.0 | .64 | .58 | .54 | .63 | .58 | .54 | .62 | .57 | .53 | .61 | .57 | .53 | .60 | .56 | .53 | .52 |
| 10.0 | .61 | .55 | .51 | .60 | .55 | .51 | .59 | .54 | .51 | .58 | .54 | .50 | .57 | .53 | .50 | .49 |



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: ZhangXiao
Test Date: 2015-12-07

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:0.0440A P:8.530W PF:0.8400 Lamp Flux:683.354x1 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 | | | | | | Wall Exitance Coefficients(WEC) | | | | | | | | | | |
| 0.0 | | | | | | | | | | | | | | | | | |
| 1.0 | .196 | .111 | .035 | .188 | .107 | .034 | .174 | .100 | .032 | .161 | .093 | .030 | .149 | .087 | .028 | | |
| 2.0 | .184 | .101 | .031 | .178 | .098 | .030 | .166 | .092 | .029 | .155 | .087 | .027 | .145 | .082 | .026 | | |
| 3.0 | .174 | .093 | .028 | .168 | .090 | .027 | .158 | .086 | .026 | .148 | .081 | .025 | .140 | .077 | .024 | | |
| 4.0 | .164 | .085 | .025 | .159 | .083 | .025 | .150 | .080 | .024 | .142 | .076 | .023 | .134 | .073 | .022 | | |
| 5.0 | .155 | .079 | .023 | .151 | .078 | .023 | .143 | .075 | .022 | .136 | .072 | .021 | .129 | .069 | .021 | | |
| 6.0 | .147 | .074 | .021 | .144 | .073 | .021 | .137 | .070 | .020 | .130 | .068 | .020 | .124 | .065 | .019 | | |
| 7.0 | .140 | .069 | .020 | .137 | .068 | .019 | .130 | .066 | .019 | .124 | .064 | .019 | .119 | .062 | .018 | | |
| 8.0 | .133 | .065 | .018 | .130 | .064 | .018 | .125 | .062 | .018 | .119 | .060 | .017 | .114 | .059 | .017 | | |
| 9.0 | .127 | .061 | .017 | .124 | .061 | .017 | .119 | .059 | .017 | .114 | .057 | .016 | .110 | .056 | .016 | | |
| 10.0 | .121 | .058 | .016 | .119 | .057 | .016 | .114 | .056 | .016 | .110 | .055 | .016 | .106 | .053 | .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 | .208 | .208 | .208 | .178 | .178 | .178 | .122 | .122 | .122 | .070 | .070 | .070 | .022 | .022 | .022 | | |
| 1.0 | .191 | .175 | .162 | .163 | .150 | .139 | .112 | .104 | .096 | .064 | .060 | .056 | .021 | .019 | .018 | | |
| 2.0 | .176 | .151 | .129 | .151 | .130 | .112 | .103 | .090 | .078 | .060 | .052 | .046 | .019 | .017 | .015 | | |
| 3.0 | .164 | .132 | .106 | .141 | .114 | .092 | .097 | .079 | .065 | .056 | .046 | .038 | .018 | .015 | .012 | | |
| 4.0 | .154 | .118 | .089 | .132 | .102 | .078 | .091 | .071 | .055 | .053 | .041 | .032 | .017 | .013 | .011 | | |
| 5.0 | .146 | .106 | .077 | .125 | .092 | .067 | .086 | .064 | .047 | .050 | .038 | .028 | .016 | .012 | .009 | | |
| 6.0 | .138 | .097 | .067 | .119 | .084 | .059 | .082 | .059 | .041 | .048 | .035 | .025 | .015 | .011 | .008 | | |
| 7.0 | .132 | .089 | .060 | .113 | .078 | .052 | .078 | .054 | .037 | .046 | .032 | .022 | .015 | .010 | .007 | | |
| 8.0 | .126 | .083 | .054 | .108 | .072 | .047 | .075 | .051 | .033 | .044 | .030 | .020 | .014 | .010 | .007 | | |
| 9.0 | .121 | .078 | .049 | .104 | .068 | .043 | .072 | .048 | .031 | .042 | .028 | .018 | .014 | .009 | .006 | | |
| 10.0 | .116 | .074 | .046 | .100 | .064 | .040 | .069 | .045 | .028 | .040 | .027 | .017 | .013 | .009 | .006 | | |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2015-12-07

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:0.0440A P:8.530W PF:0.8400 Lamp Flux:683.354x1 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 | 2H | 23.1 | 24.1 | 23.4 | 24.3 | 24.5 | 22.9 | 23.8 | 23.1 | 24.1 | 24.3 |
| | 3H | 23.1 | 24.0 | 23.4 | 24.3 | 24.5 | 22.9 | 23.8 | 23.2 | 24.1 | 24.3 |
| | 4H | 23.2 | 24.0 | 23.5 | 24.3 | 24.6 | 23.0 | 23.8 | 23.3 | 24.1 | 24.4 |
| | 6H | 23.3 | 24.1 | 23.7 | 24.4 | 24.7 | 23.1 | 23.9 | 23.5 | 24.2 | 24.5 |
| | 8H | 23.4 | 24.2 | 23.8 | 24.5 | 24.8 | 23.2 | 24.0 | 23.6 | 24.3 | 24.6 |
| | 12H | 23.5 | 24.3 | 23.9 | 24.6 | 24.9 | 23.4 | 24.1 | 23.7 | 24.4 | 24.8 |
| 4H | 2H | 22.9 | 23.8 | 23.2 | 24.0 | 24.3 | 22.7 | 23.6 | 23.0 | 23.8 | 24.1 |
| | 3H | 23.0 | 23.8 | 23.4 | 24.1 | 24.4 | 22.8 | 23.6 | 23.2 | 23.9 | 24.2 |
| | 4H | 23.2 | 23.9 | 23.6 | 24.2 | 24.6 | 23.0 | 23.7 | 23.4 | 24.0 | 24.4 |
| | 6H | 23.5 | 24.0 | 23.9 | 24.4 | 24.8 | 23.3 | 23.9 | 23.7 | 24.2 | 24.6 |
| | 8H | 23.6 | 24.2 | 24.1 | 24.6 | 25.0 | 23.5 | 24.0 | 23.9 | 24.4 | 24.8 |
| | 12H | 23.9 | 24.4 | 24.4 | 24.8 | 25.3 | 23.7 | 24.2 | 24.2 | 24.7 | 25.1 |
| 8H | 4H | 23.2 | 23.7 | 23.6 | 24.1 | 24.6 | 23.0 | 23.6 | 23.4 | 23.9 | 24.4 |
| | 6H | 23.6 | 24.0 | 24.0 | 24.5 | 24.9 | 23.4 | 23.9 | 23.9 | 24.3 | 24.8 |
| | 8H | 23.9 | 24.3 | 24.4 | 24.7 | 25.2 | 23.7 | 24.1 | 24.2 | 24.6 | 25.1 |
| | 12H | 24.3 | 24.7 | 24.8 | 25.1 | 25.7 | 24.2 | 24.5 | 24.7 | 25.0 | 25.5 |
| 12H | 4H | 23.2 | 23.7 | 23.6 | 24.1 | 24.5 | 23.0 | 23.5 | 23.4 | 23.9 | 24.4 |
| | 6H | 23.6 | 24.0 | 24.1 | 24.5 | 25.0 | 23.4 | 23.8 | 23.9 | 24.3 | 24.8 |
| | 8H | 24.0 | 24.3 | 24.5 | 24.8 | 25.3 | 23.8 | 24.2 | 24.3 | 24.6 | 25.2 |
| Variations with the observer position at spacings: | | | | | | | | | | | |
| S = 1.0H | + 1.7 / - 3.1 | | | | | + 1.7 / - 3.0 | | | | | |
| 1.5H | + 3.5 / - 3.2 | | | | | + 3.4 / - 3.0 | | | | | |
| 2.0H | + 3.6 / - 0.9 | | | | | + 3.3 / - 0.9 | | | | | |

CIE Pub.117 Corrected 683.4 lm Total Lamp Luminous Flux. (8log(F/F0) = -1.3)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: ZhangXiao
Test Date: 2015-12-07

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:0.0440A P:8.530W PF:0.8400 Lamp Flux:683.354x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |

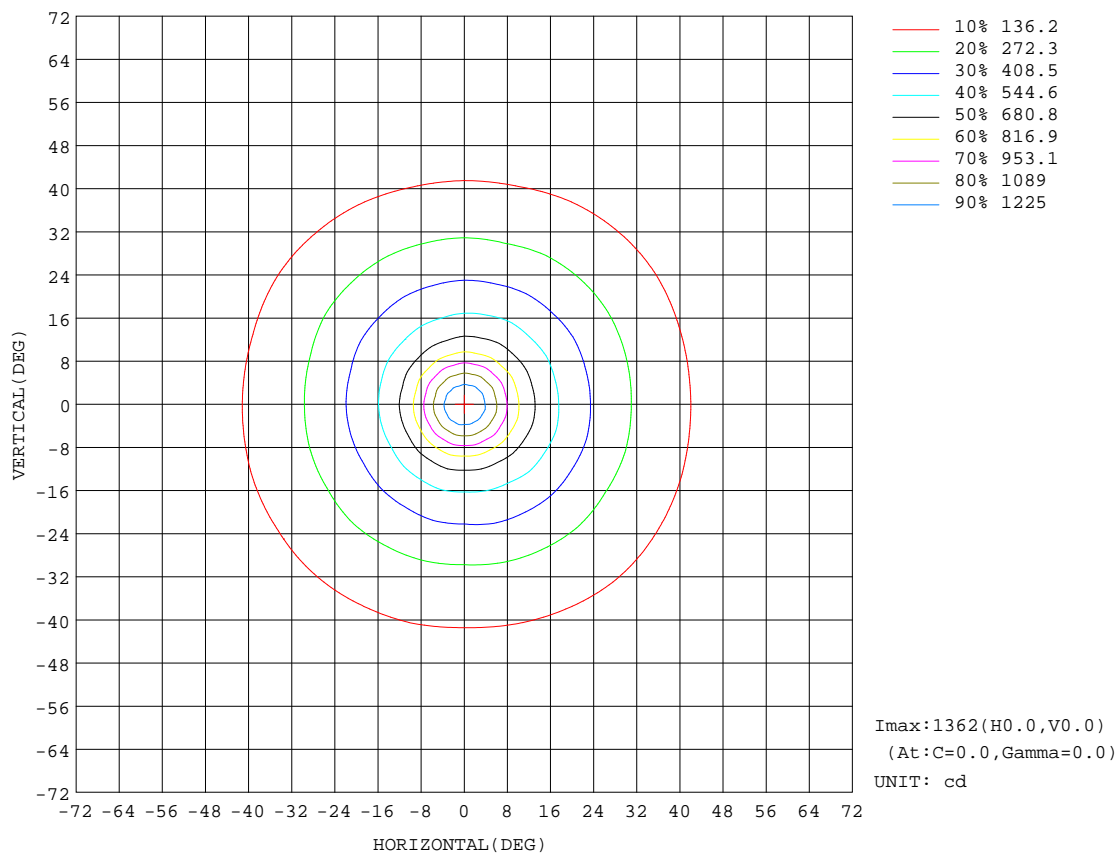
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|---|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0 |
| ROOM INDEX | UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$ | | | | | | | | | |
| $k = 0.60$ | 81 | 74 | 70 | 81 | 74 | 70 | 80 | 73 | 69 | 65 |
| 0.80 | 89 | 82 | 78 | 89 | 82 | 78 | 87 | 81 | 77 | 73 |
| 1.00 | 95 | 88 | 84 | 94 | 87 | 83 | 92 | 87 | 83 | 78 |
| 1.25 | 99 | 93 | 89 | 98 | 92 | 88 | 96 | 91 | 88 | 83 |
| 1.50 | 102 | 97 | 93 | 101 | 96 | 92 | 98 | 94 | 91 | 85 |
| 2.00 | 106 | 101 | 97 | 104 | 99 | 96 | 101 | 97 | 94 | 88 |
| 2.50 | 108 | 103 | 100 | 106 | 102 | 99 | 102 | 99 | 96 | 90 |
| 3.00 | 109 | 105 | 102 | 107 | 104 | 101 | 104 | 101 | 98 | 91 |
| 4.00 | 112 | 108 | 106 | 109 | 107 | 104 | 105 | 103 | 101 | 93 |
| 5.00 | 113 | 110 | 108 | 111 | 108 | 106 | 106 | 105 | 103 | 94 |
| 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:2015-12-07

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:0.0440A P:8.530W PF:0.8400 Lamp Flux:683.354x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |



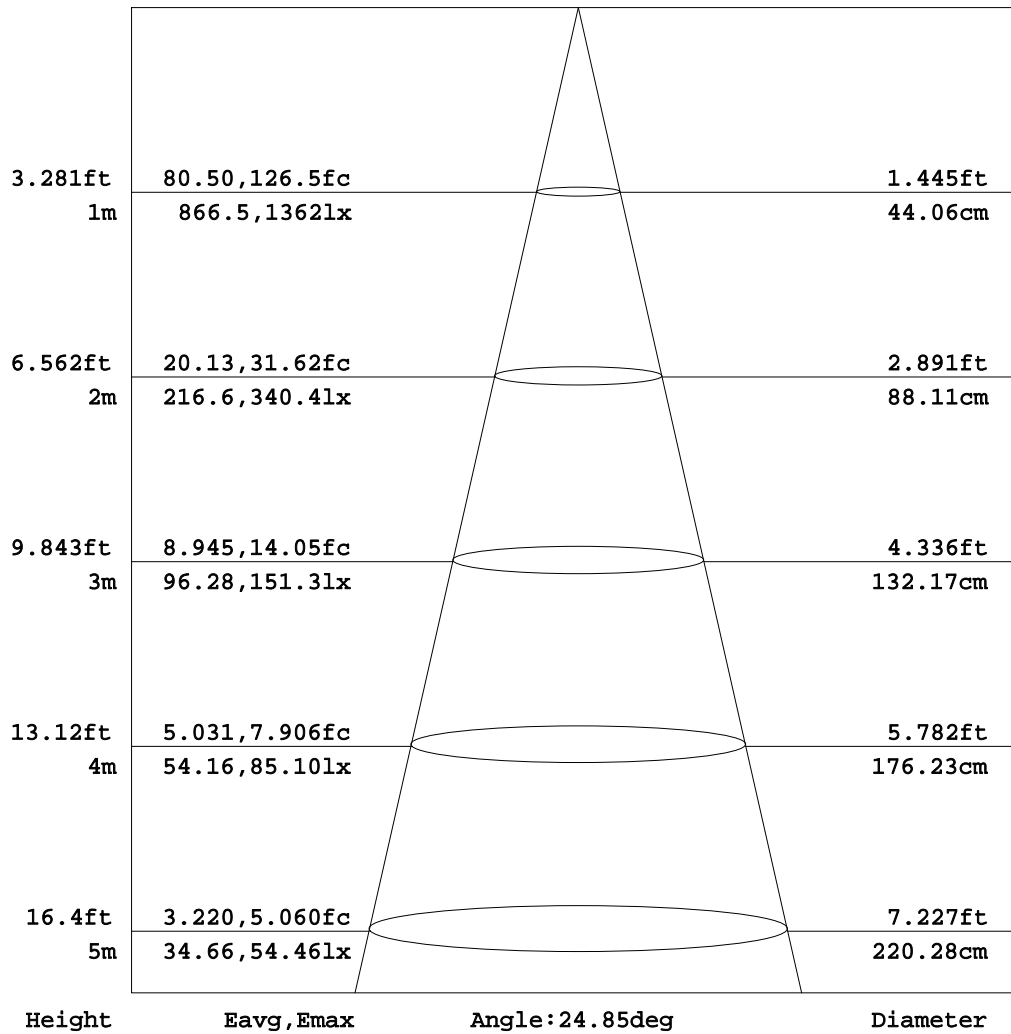
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2015-12-07

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:0.0440A P:8.530W PF:0.8400 Lamp Flux:683.354x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |

Flux out:145.1 lm



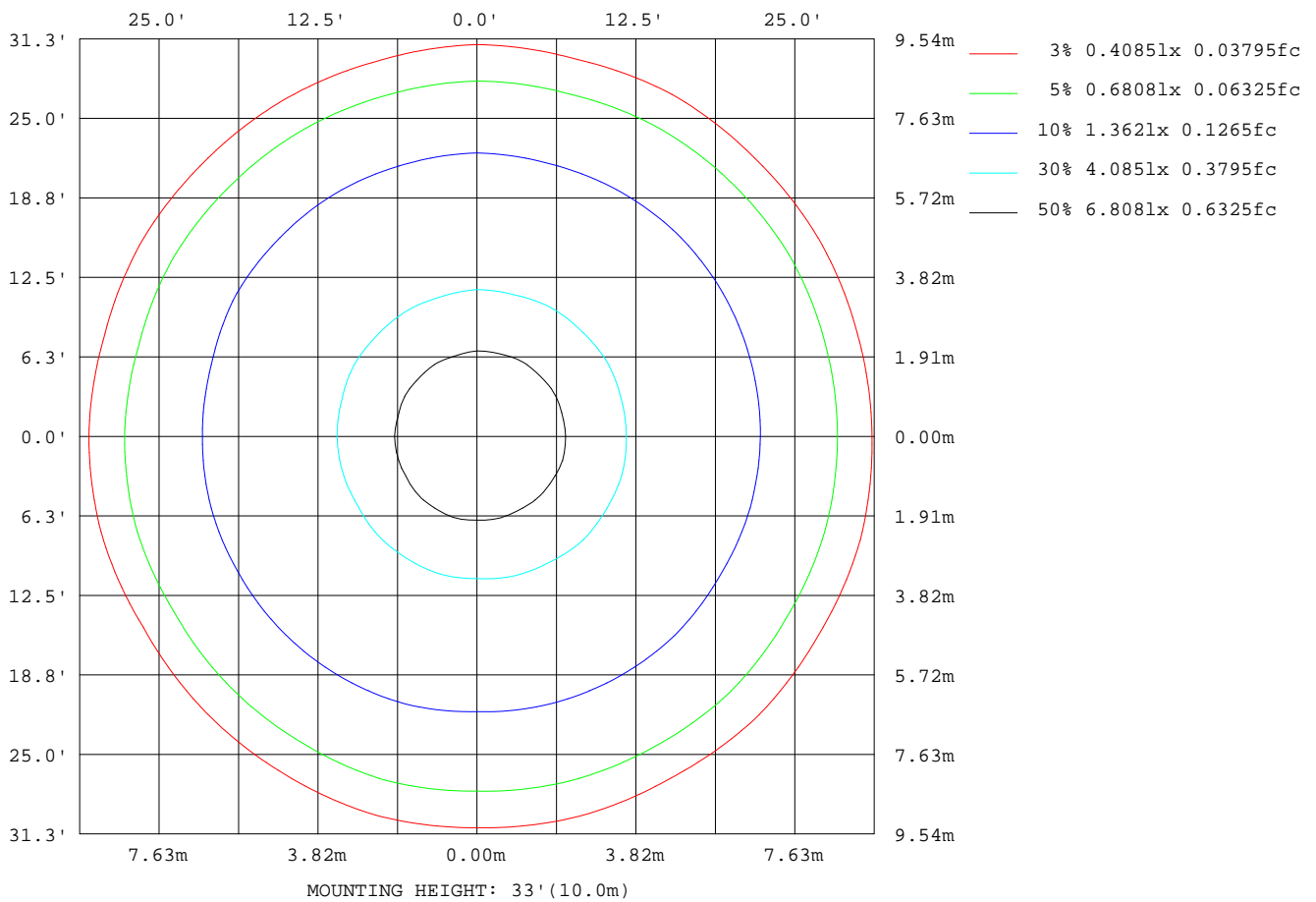
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: ZhangXiao
Test Date: 2015-12-07

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

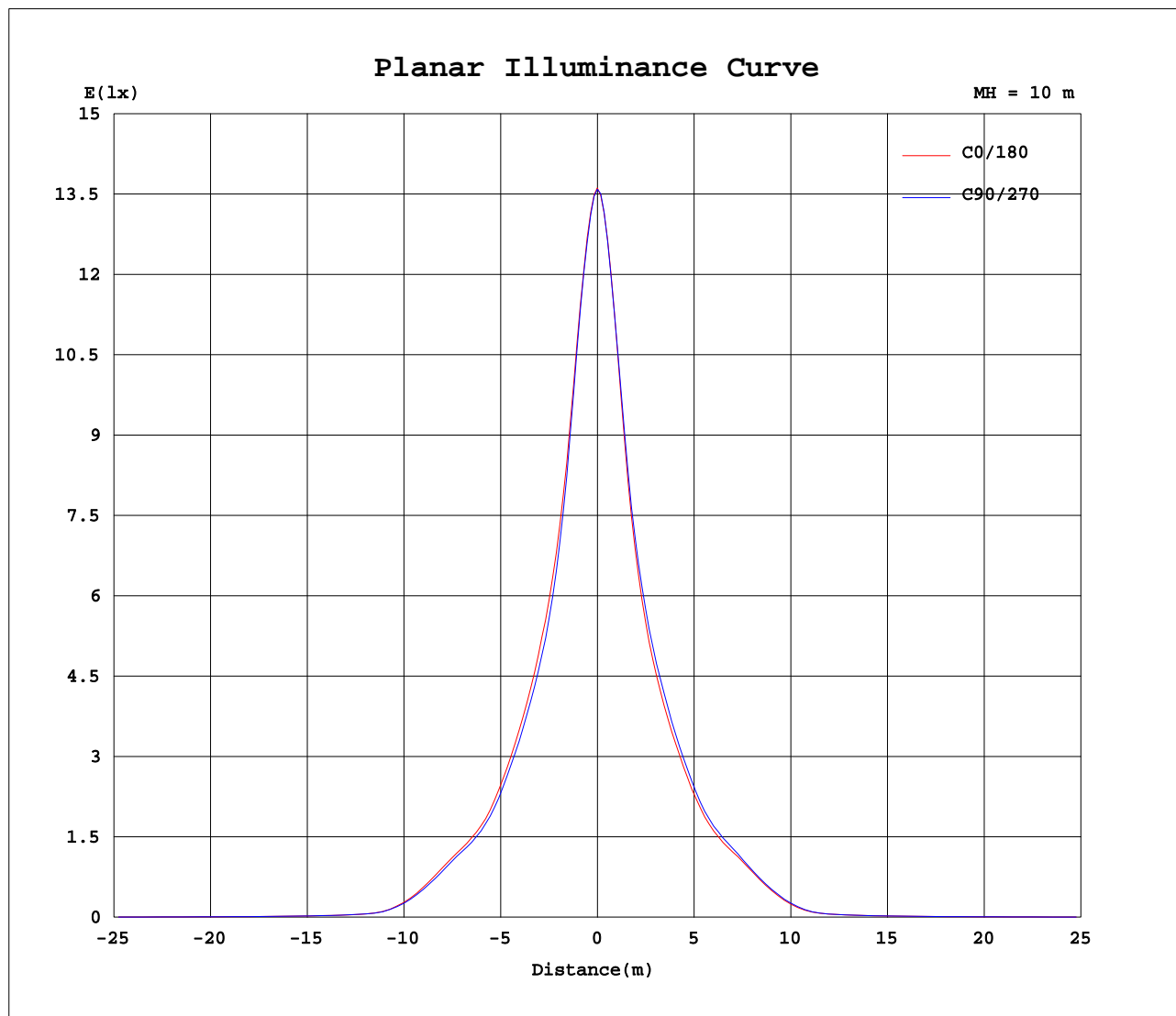
| | | |
|---|--------|-------------------|
| Test:U:226.5V I:0.0440A P:8.530W PF:0.8400 Lamp Flux:683.354x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: ZhangXiao
Test Date: 2015-12-07

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: 2015-12-07

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:0.0440A P:8.530W PF:0.8400 Lamp Flux:683.354x1 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 | 1358 | 1358 | 1358 | 1358 | 1358 | 1358 | 1358 | 1358 | 1358 | 1358 | 1358 | 1358 | 1358 | 1358 | 1358 | 1358 | 1358 | 1358 | 1358 |
| 5 | 1156 | 1163 | 1154 | 1162 | 1149 | 1156 | 1149 | 1156 | 1147 | 1151 | 1139 | 1143 | 1140 | 1130 | 1141 | 1130 | 1140 | 1132 | 1141 |
| 10 | 823 | 829 | 816 | 815 | 799 | 801 | 793 | 801 | 791 | 789 | 777 | 780 | 780 | 773 | 785 | 778 | 788 | 785 | 800 |
| 15 | 615 | 619 | 608 | 602 | 588 | 585 | 578 | 584 | 575 | 573 | 563 | 565 | 569 | 569 | 578 | 576 | 584 | 585 | 597 |
| 20 | 482 | 485 | 479 | 481 | 467 | 465 | 457 | 457 | 448 | 446 | 440 | 444 | 446 | 448 | 458 | 455 | 463 | 464 | 473 |
| 25 | 375 | 378 | 373 | 372 | 365 | 364 | 355 | 355 | 349 | 350 | 344 | 347 | 349 | 350 | 359 | 359 | 364 | 364 | 370 |
| 30 | 283 | 284 | 280 | 280 | 277 | 274 | 269 | 271 | 270 | 271 | 266 | 268 | 267 | 269 | 277 | 277 | 280 | 280 | 284 |
| 35 | 234 | 233 | 229 | 230 | 228 | 226 | 223 | 225 | 224 | 222 | 221 | 222 | 220 | 221 | 227 | 228 | 229 | 230 | 234 |
| 40 | 173 | 173 | 168 | 171 | 166 | 165 | 161 | 163 | 158 | 156 | 152 | 158 | 157 | 153 | 157 | 155 | 157 | 158 | 162 |
| 45 | 78.4 | 81.7 | 80.7 | 80.4 | 78.4 | 77.6 | 74.2 | 75.5 | 71.5 | 68.6 | 65.4 | 68.0 | 69.0 | 67.1 | 70.5 | 68.3 | 70.9 | 70.8 | 74.8 |
| 50 | 24.0 | 24.8 | 25.0 | 25.0 | 25.0 | 25.6 | 24.1 | 24.0 | 24.5 | 24.9 | 24.2 | 24.1 | 23.3 | 22.7 | 23.0 | 22.6 | 22.9 | 22.7 | 23.3 |
| 55 | 16.1 | 16.5 | 16.7 | 16.8 | 16.7 | 17.1 | 16.3 | 16.3 | 16.4 | 16.6 | 16.2 | 16.1 | 15.8 | 15.6 | 15.8 | 15.6 | 15.6 | 15.5 | 15.6 |
| 60 | 12.3 | 12.3 | 12.4 | 12.4 | 12.4 | 12.6 | 12.2 | 12.2 | 12.4 | 12.6 | 12.4 | 12.3 | 12.1 | 11.9 | 12.0 | 12.0 | 11.9 | 11.8 | 11.8 |
| 65 | 9.87 | 9.87 | 9.79 | 9.87 | 9.81 | 9.95 | 9.75 | 9.77 | 9.90 | 10.1 | 10.0 | 10.0 | 9.84 | 9.72 | 9.76 | 9.76 | 9.81 | 9.70 | 9.63 |
| 70 | 7.55 | 7.62 | 7.55 | 7.57 | 7.48 | 7.57 | 7.46 | 7.55 | 7.65 | 7.89 | 7.90 | 7.91 | 7.82 | 7.73 | 7.75 | 7.72 | 7.74 | 7.62 | 7.56 |
| 75 | 6.24 | 6.29 | 6.23 | 6.22 | 6.13 | 6.18 | 6.19 | 6.33 | 6.49 | 6.69 | 6.75 | 6.77 | 6.73 | 6.66 | 6.66 | 6.64 | 6.64 | 6.55 | 6.44 |
| 80 | 5.15 | 5.23 | 5.18 | 5.12 | 5.03 | 5.16 | 5.16 | 5.35 | 5.54 | 5.75 | 5.86 | 5.87 | 5.84 | 5.78 | 5.77 | 5.75 | 5.74 | 5.76 | 5.51 |
| 85 | 4.24 | 4.36 | 4.33 | 4.25 | 4.18 | 4.29 | 4.33 | 4.53 | 4.72 | 4.91 | 5.00 | 5.01 | 4.97 | 4.86 | 4.83 | 4.82 | 4.85 | 4.90 | 4.67 |
| 90 | 1.09 | 1.09 | 1.09 | 1.10 | 1.09 | 1.12 | 1.09 | 1.08 | 1.09 | 1.08 | 1.11 | 1.10 | 1.26 | 1.27 | 1.27 | 1.27 | 1.27 | 1.34 | 1.26 |
| 95 | 1.08 | 1.10 | 1.09 | 1.10 | 1.10 | 1.11 | 1.10 | 1.11 | 1.09 | 1.11 | 1.11 | 1.13 | 1.37 | 1.36 | 1.37 | 1.35 | 1.36 | 1.37 | 1.36 |
| 100 | 1.17 | 1.18 | 1.16 | 1.18 | 1.17 | 1.19 | 1.17 | 1.19 | 1.18 | 1.20 | 1.19 | 1.20 | 1.49 | 1.48 | 1.49 | 1.48 | 1.49 | 1.48 | 1.49 |
| 105 | 1.30 | 1.32 | 1.31 | 1.33 | 1.32 | 1.34 | 1.32 | 1.34 | 1.34 | 1.35 | 1.34 | 1.36 | 1.65 | 1.63 | 1.65 | 1.63 | 1.64 | 1.63 | 1.63 |
| 110 | 1.51 | 1.52 | 1.51 | 1.52 | 1.51 | 1.54 | 1.52 | 1.55 | 1.56 | 1.57 | 1.56 | 1.57 | 1.83 | 1.82 | 1.83 | 1.82 | 1.82 | 1.82 | 1.81 |
| 115 | 1.73 | 1.74 | 1.74 | 1.76 | 1.75 | 1.77 | 1.77 | 1.79 | 1.79 | 1.80 | 1.81 | 1.80 | 2.05 | 2.04 | 2.05 | 2.03 | 2.04 | 2.03 | 2.02 |
| 120 | 2.00 | 2.02 | 2.02 | 2.03 | 2.03 | 2.05 | 2.05 | 2.07 | 2.08 | 2.09 | 2.09 | 2.09 | 2.32 | 2.31 | 2.32 | 2.30 | 2.30 | 2.28 | 2.28 |
| 125 | 2.34 | 2.35 | 2.35 | 2.37 | 2.37 | 2.39 | 2.40 | 2.42 | 2.42 | 2.43 | 2.44 | 2.44 | 2.65 | 2.64 | 2.64 | 2.63 | 2.62 | 2.60 | 2.59 |
| 130 | 2.75 | 2.76 | 2.77 | 2.78 | 2.78 | 2.80 | 2.81 | 2.83 | 2.83 | 2.85 | 2.86 | 2.85 | 3.04 | 3.04 | 3.04 | 3.02 | 3.01 | 3.01 | 2.98 |
| 135 | 3.21 | 3.22 | 3.23 | 3.24 | 3.25 | 3.26 | 3.28 | 3.29 | 3.31 | 3.31 | 3.31 | 3.32 | 3.46 | 3.46 | 3.46 | 3.45 | 3.44 | 3.42 | 3.41 |
| 140 | 3.64 | 3.65 | 3.66 | 3.66 | 3.68 | 3.70 | 3.70 | 3.72 | 3.73 | 3.74 | 3.75 | 3.74 | 3.86 | 3.85 | 3.85 | 3.83 | 3.83 | 3.81 | 3.80 |
| 145 | 3.99 | 4.00 | 4.00 | 4.02 | 4.02 | 4.04 | 4.03 | 4.06 | 4.06 | 4.08 | 4.07 | 4.08 | 4.15 | 4.15 | 4.16 | 4.14 | 4.14 | 4.13 | 4.12 |
| 150 | 4.25 | 4.26 | 4.26 | 4.28 | 4.27 | 4.30 | 4.29 | 4.31 | 4.31 | 4.33 | 4.32 | 4.32 | 4.39 | 4.39 | 4.39 | 4.37 | 4.38 | 4.36 | 4.36 |
| 155 | 4.48 | 4.49 | 4.49 | 4.50 | 4.50 | 4.51 | 4.51 | 4.52 | 4.52 | 4.53 | 4.53 | 4.54 | 4.60 | 4.59 | 4.60 | 4.58 | 4.58 | 4.58 | 4.58 |
| 160 | 4.69 | 4.70 | 4.69 | 4.71 | 4.69 | 4.71 | 4.69 | 4.72 | 4.72 | 4.73 | 4.72 | 4.73 | 4.78 | 4.77 | 4.78 | 4.77 | 4.78 | 4.76 | 4.76 |
| 165 | 4.84 | 4.87 | 4.86 | 4.87 | 4.85 | 4.87 | 4.86 | 4.88 | 4.87 | 4.88 | 4.88 | 4.89 | 4.93 | 4.91 | 4.93 | 4.91 | 4.92 | 4.91 | 4.92 |
| 170 | 4.98 | 5.00 | 4.98 | 5.00 | 4.98 | 4.99 | 4.98 | 5.00 | 4.99 | 5.00 | 4.99 | 5.01 | 5.03 | 5.03 | 5.04 | 5.03 | 5.03 | 5.02 | 5.04 |
| 175 | 5.06 | 5.08 | 5.06 | 5.07 | 5.06 | 5.07 | 5.05 | 5.07 | 5.07 | 5.08 | 5.07 | 5.08 | 5.08 | 5.09 | 5.09 | 5.08 | 5.08 | 5.08 | 5.09 |
| 180 | 5.12 | 5.13 | 5.13 | 5.13 | 5.12 | 5.12 | 5.12 | 5.13 | 5.13 | 5.13 | 5.13 | 5.13 | 5.13 | 5.13 | 5.13 | 5.13 | 5.12 | 5.12 | 5.12 |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2015-12-07

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:0.0440A P:8.530W PF:0.8400 Lamp Flux:683.354x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |

Table--2

UNIT: cd

| C(DEC) γ (DEC) | 285 | 300 | 315 | 330 | 345 | | | | | | | | | | | | | | |
|-------------------|------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 0 | 1358 | 1358 | 1358 | 1358 | 1358 | | | | | | | | | | | | | | |
| 5 | 1135 | 1154 | 1145 | 1160 | 1152 | | | | | | | | | | | | | | |
| 10 | 797 | 813 | 811 | 824 | 818 | | | | | | | | | | | | | | |
| 15 | 600 | 612 | 608 | 617 | 612 | | | | | | | | | | | | | | |
| 20 | 471 | 481 | 480 | 486 | 482 | | | | | | | | | | | | | | |
| 25 | 368 | 374 | 375 | 380 | 375 | | | | | | | | | | | | | | |
| 30 | 282 | 286 | 286 | 289 | 285 | | | | | | | | | | | | | | |
| 35 | 231 | 235 | 237 | 237 | 235 | | | | | | | | | | | | | | |
| 40 | 161 | 168 | 171 | 175 | 173 | | | | | | | | | | | | | | |
| 45 | 72.1 | 77.0 | 75.3 | 77.3 | 76.2 | | | | | | | | | | | | | | |
| 50 | 22.9 | 23.7 | 23.9 | 24.5 | 24.1 | | | | | | | | | | | | | | |
| 55 | 15.5 | 15.7 | 15.7 | 16.0 | 16.0 | | | | | | | | | | | | | | |
| 60 | 11.7 | 11.9 | 12.0 | 12.2 | 12.3 | | | | | | | | | | | | | | |
| 65 | 9.53 | 9.63 | 9.66 | 9.84 | 9.83 | | | | | | | | | | | | | | |
| 70 | 7.43 | 7.40 | 7.35 | 7.43 | 7.49 | | | | | | | | | | | | | | |
| 75 | 6.28 | 6.17 | 6.10 | 6.13 | 6.19 | | | | | | | | | | | | | | |
| 80 | 5.32 | 5.15 | 5.03 | 5.06 | 5.14 | | | | | | | | | | | | | | |
| 85 | 4.44 | 4.25 | 4.09 | 4.12 | 4.23 | | | | | | | | | | | | | | |
| 90 | 1.27 | 1.26 | 1.27 | 1.28 | 1.29 | | | | | | | | | | | | | | |
| 95 | 1.34 | 1.36 | 1.34 | 1.36 | 1.34 | | | | | | | | | | | | | | |
| 100 | 1.47 | 1.48 | 1.46 | 1.48 | 1.46 | | | | | | | | | | | | | | |
| 105 | 1.63 | 1.63 | 1.61 | 1.63 | 1.60 | | | | | | | | | | | | | | |
| 110 | 1.79 | 1.80 | 1.79 | 1.80 | 1.78 | | | | | | | | | | | | | | |
| 115 | 2.00 | 2.01 | 2.00 | 2.01 | 1.99 | | | | | | | | | | | | | | |
| 120 | 2.26 | 2.27 | 2.26 | 2.26 | 2.25 | | | | | | | | | | | | | | |
| 125 | 2.57 | 2.59 | 2.57 | 2.58 | 2.56 | | | | | | | | | | | | | | |
| 130 | 2.97 | 2.97 | 2.95 | 2.96 | 2.95 | | | | | | | | | | | | | | |
| 135 | 3.39 | 3.39 | 3.39 | 3.38 | 3.38 | | | | | | | | | | | | | | |
| 140 | 3.79 | 3.79 | 3.78 | 3.78 | 3.77 | | | | | | | | | | | | | | |
| 145 | 4.10 | 4.11 | 4.10 | 4.10 | 4.09 | | | | | | | | | | | | | | |
| 150 | 4.36 | 4.35 | 4.34 | 4.35 | 4.34 | | | | | | | | | | | | | | |
| 155 | 4.57 | 4.58 | 4.56 | 4.57 | 4.55 | | | | | | | | | | | | | | |
| 160 | 4.76 | 4.78 | 4.76 | 4.77 | 4.76 | | | | | | | | | | | | | | |
| 165 | 4.92 | 4.93 | 4.92 | 4.92 | 4.91 | | | | | | | | | | | | | | |
| 170 | 5.03 | 5.04 | 5.04 | 5.05 | 5.03 | | | | | | | | | | | | | | |
| 175 | 5.08 | 5.10 | 5.09 | 5.10 | 5.10 | | | | | | | | | | | | | | |
| 180 | 5.13 | 5.13 | 5.13 | 5.13 | 5.13 | | | | | | | | | | | | | | |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2015-12-07

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: