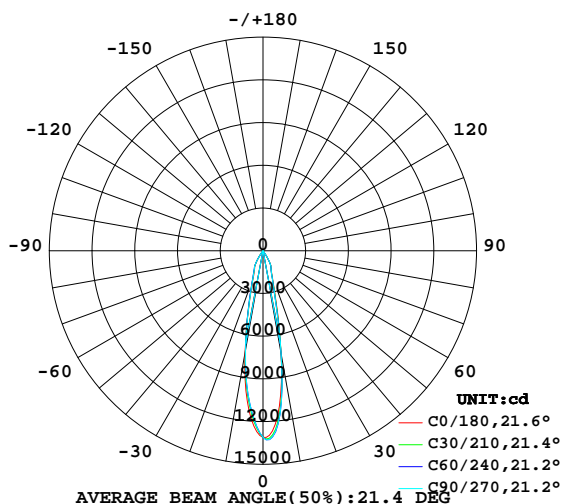


LUMINAIRE PHOTOMETRIC TEST REPORT

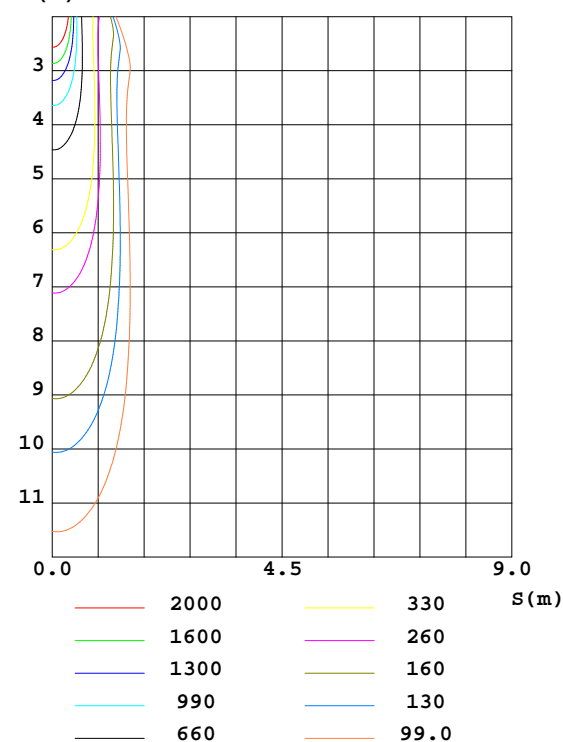
| | | |
|---|--------|-------------------|
| Test:U:226.6V I:0.1260A P:27.60W PF:0.9600 Lamp Flux:3032.32x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 109.87 lm/W | | | |
|------------------|-------------------|-----------------------------------|--------|------------------------|----------|
| MODEL | TL32-30W-840-W-20 | Imax(cd) | 13324 | S/MH(C0/180) | 0.37 |
| NOMINAL POWER(W) | 28 | LOR(%) | 100.0 | S/MH(C90/270) | 0.36 |
| RATED VOLTAGE(V) | 226 | TOTAL FLUX(lm) | 3032.3 | η UP,DN(C0-180) | 1.3,48.4 |
| NOMINAL FLUX(lm) | 3032.32 | CIE CLASS | DIRECT | η UP,DN(C180-360) | 1.4,49.0 |
| LAMPS INSIDE | 1 | η up(%) | 2.6 | CIBSE SHR NOM | 0.00 |
| TEST VOLTAGE(V) | 226.6 | η down(%) | 97.4 | CIBSE SHR MAX | 1.00 |

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:2016-08-16

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 | 731.4 | 754.6 | 735.5 | 755.1 | 728.6 | 700.4 | 708.5 | 703.7 | 0- 10 | 960.2 | 960.2 | 31.7,31.7 |
| 20 | 189.4 | 184.9 | 181.8 | 193.5 | 202.7 | 213.5 | 212.6 | 192.8 | 10- 20 | 1026 | 1986 | 65.5,65.5 |
| 30 | 92.72 | 93.03 | 92.34 | 98.29 | 101.5 | 101.3 | 104.8 | 95.70 | 20- 30 | 650.4 | 2637 | 87,87 |
| 40 | 7.720 | 7.990 | 7.520 | 8.246 | 8.433 | 8.884 | 8.785 | 7.959 | 30- 40 | 224.3 | 2861 | 94.4,94.4 |
| 50 | 2.738 | 2.736 | 2.653 | 2.778 | 2.690 | 2.868 | 2.862 | 2.707 | 40- 50 | 35.78 | 2897 | 95.5,95.5 |
| 60 | 1.760 | 1.788 | 1.767 | 1.823 | 1.745 | 1.777 | 1.772 | 1.739 | 50- 60 | 19.30 | 2916 | 96.2,96.2 |
| 70 | 1.320 | 1.344 | 1.329 | 1.360 | 1.311 | 1.325 | 1.322 | 1.308 | 60- 70 | 15.35 | 2932 | 96.7,96.7 |
| 80 | 0.9275 | 0.9298 | 0.9148 | 0.9437 | 0.9351 | 0.9517 | 0.9479 | 0.9544 | 70- 80 | 11.85 | 2943 | 97.1,97.1 |
| 90 | 0.5980 | 0.5963 | 0.5933 | 0.6311 | 0.7213 | 0.7195 | 0.7161 | 0.8113 | 80- 90 | 8.702 | 2952 | 97.4,97.4 |
| 100 | 0.4857 | 0.4838 | 0.4824 | 0.4976 | 0.7432 | 0.7437 | 0.7397 | 0.7597 | 90-100 | 6.946 | 2959 | 97.6,97.6 |
| 110 | 0.6341 | 0.6308 | 0.6306 | 0.6258 | 0.8160 | 0.8179 | 0.8137 | 0.8242 | 100-110 | 6.955 | 2966 | 97.8,97.8 |
| 120 | 0.8672 | 0.8680 | 0.8684 | 0.8531 | 0.9815 | 0.9812 | 0.9754 | 0.9938 | 110-120 | 8.077 | 2974 | 98.1,98.1 |
| 130 | 1.353 | 1.346 | 1.348 | 1.331 | 1.415 | 1.422 | 1.413 | 1.439 | 120-130 | 10.03 | 2984 | 98.4,98.4 |
| 140 | 2.008 | 2.011 | 2.014 | 1.998 | 2.021 | 2.025 | 2.017 | 2.049 | 130-140 | 13.17 | 2997 | 98.8,98.8 |
| 150 | 2.373 | 2.379 | 2.376 | 2.374 | 2.394 | 2.399 | 2.391 | 2.418 | 140-150 | 13.96 | 3011 | 99.3,99.3 |
| 160 | 2.519 | 2.521 | 2.522 | 2.526 | 2.535 | 2.546 | 2.539 | 2.552 | 150-160 | 11.42 | 3023 | 99.7,99.7 |
| 170 | 2.510 | 2.518 | 2.521 | 2.531 | 2.543 | 2.556 | 2.561 | 2.563 | 160-170 | 7.245 | 3030 | 99.9,99.9 |
| 180 | 2.423 | 2.430 | 2.418 | 2.424 | 2.423 | 2.430 | 2.418 | 2.424 | 170-180 | 2.368 | 3032 | 100,100 |
| DEG | LUMINOUS INTENSITY:×10cd | | | | | | | | | UNIT:lm | | |

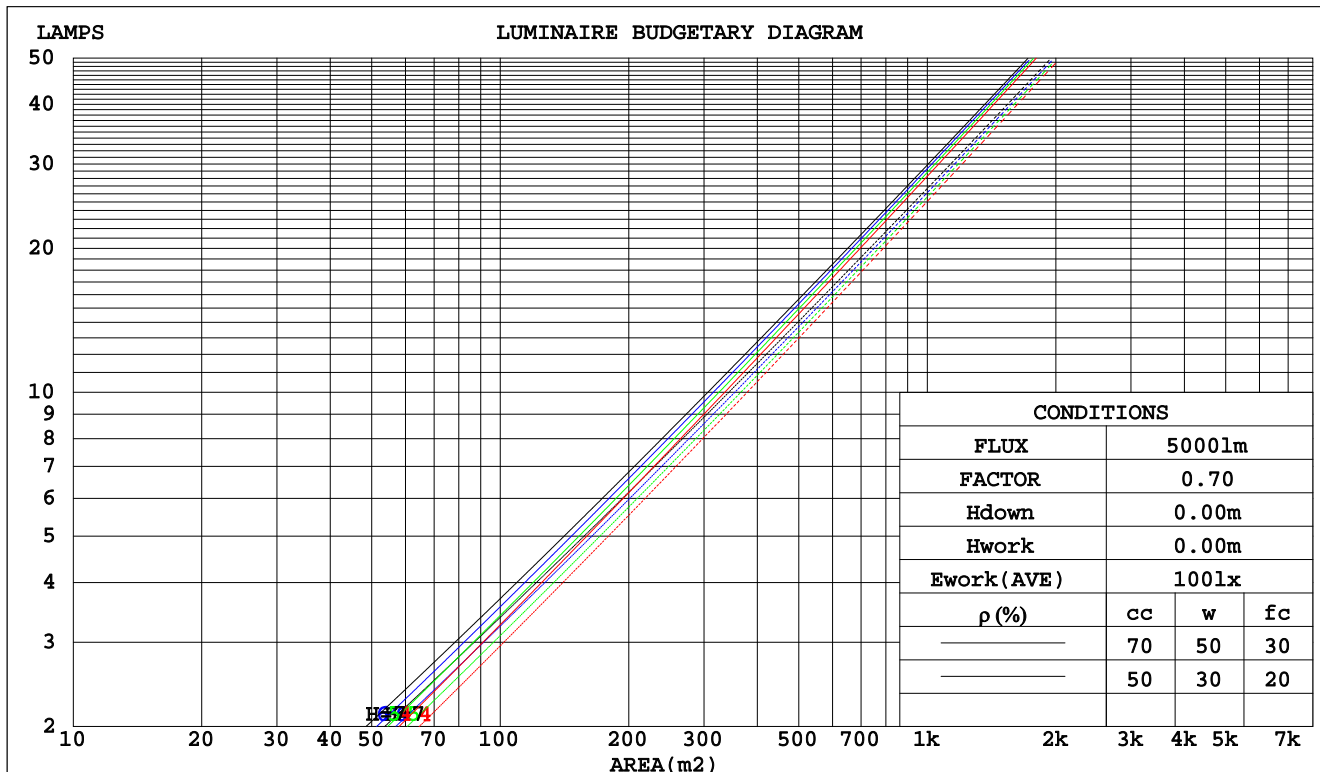
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2016-08-16

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:226.6V I:0.1260A P:27.60W PF:0.9600 Lamp Flux:3032.32x1 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 | 1.04 | 1.04 | 1.04 | .00 | .00 | .00 | .97 |
| 1.0 | 1.11 | 1.09 | 1.07 | 1.09 | 1.07 | 1.05 | 1.04 | 1.03 | 1.02 | 1.00 | .99 | .98 | .97 | .96 | .95 | .93 |
| 2.0 | 1.05 | 1.02 | .99 | 1.03 | 1.00 | .98 | .00 | .97 | .95 | .97 | .95 | .93 | .94 | .92 | .91 | .89 |
| 3.0 | 1.00 | .96 | .93 | .99 | .95 | .92 | .96 | .93 | .90 | .93 | .91 | .88 | .91 | .89 | .87 | .85 |
| 4.0 | .95 | .91 | .88 | .94 | .90 | .87 | .92 | .88 | .86 | .90 | .87 | .85 | .88 | .85 | .83 | .82 |
| 5.0 | .91 | .87 | .83 | .90 | .86 | .83 | .88 | .85 | .82 | .87 | .83 | .81 | .85 | .82 | .80 | .79 |
| 6.0 | .88 | .83 | .80 | .87 | .82 | .79 | .85 | .81 | .79 | .84 | .80 | .78 | .82 | .79 | .77 | .76 |
| 7.0 | .84 | .80 | .76 | .84 | .79 | .76 | .82 | .78 | .76 | .81 | .78 | .75 | .80 | .77 | .74 | .73 |
| 8.0 | .81 | .77 | .73 | .81 | .76 | .73 | .79 | .76 | .73 | .78 | .75 | .72 | .77 | .74 | .72 | .71 |
| 9.0 | .78 | .74 | .71 | .78 | .74 | .71 | .77 | .73 | .70 | .76 | .72 | .70 | .75 | .72 | .70 | .69 |
| 10.0 | .76 | .71 | .69 | .75 | .71 | .68 | .75 | .71 | .68 | .74 | .70 | .68 | .73 | .70 | .68 | .66 |



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2016-08-16

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:226.6V I:0.1260A P:27.60W PF:0.9600 Lamp Flux:3032.32x1 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 | .154 | .088 | .028 | .146 | .084 | .027 | .132 | .076 | .024 | .120 | .069 | .022 | .108 | .062 | .020 | |
| 2.0 | .143 | .078 | .024 | .136 | .075 | .023 | .125 | .069 | .022 | .114 | .064 | .020 | .104 | .059 | .019 | |
| 3.0 | .133 | .071 | .021 | .128 | .068 | .021 | .118 | .064 | .019 | .108 | .059 | .018 | .100 | .055 | .017 | |
| 4.0 | .125 | .065 | .019 | .120 | .063 | .019 | .112 | .059 | .018 | .104 | .056 | .017 | .096 | .052 | .016 | |
| 5.0 | .117 | .060 | .017 | .113 | .058 | .017 | .106 | .055 | .016 | .099 | .052 | .016 | .093 | .049 | .015 | |
| 6.0 | .111 | .056 | .016 | .108 | .054 | .016 | .101 | .052 | .015 | .095 | .049 | .015 | .089 | .047 | .014 | |
| 7.0 | .105 | .052 | .015 | .102 | .051 | .015 | .097 | .049 | .014 | .091 | .047 | .014 | .086 | .045 | .013 | |
| 8.0 | .100 | .049 | .014 | .098 | .048 | .014 | .092 | .046 | .013 | .088 | .044 | .013 | .083 | .043 | .012 | |
| 9.0 | .096 | .046 | .013 | .093 | .046 | .013 | .089 | .044 | .012 | .084 | .042 | .012 | .080 | .041 | .012 | |
| 10.0 | .092 | .044 | .012 | .089 | .043 | .012 | .085 | .042 | .012 | .081 | .040 | .011 | .078 | .039 | .011 | |

| | | | | | | | | | | | | | | | | | |
|------|-----------------------|------|------|------|------|------|--|------|------|------|------|------|------|------|------|---|--|
| 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 | .211 | .211 | .211 | .180 | .180 | .180 | .123 | .123 | .123 | .071 | .071 | .071 | .023 | .023 | .023 | | |
| 1.0 | .190 | .178 | .167 | .162 | .153 | .144 | .111 | .105 | .099 | .064 | .061 | .058 | .020 | .020 | .019 | | |
| 2.0 | .173 | .153 | .137 | .148 | .132 | .118 | .101 | .091 | .082 | .058 | .053 | .048 | .019 | .017 | .016 | | |
| 3.0 | .159 | .134 | .114 | .136 | .116 | .099 | .093 | .080 | .069 | .054 | .047 | .041 | .017 | .015 | .013 | | |
| 4.0 | .147 | .119 | .098 | .126 | .103 | .085 | .087 | .072 | .060 | .050 | .042 | .035 | .016 | .014 | .012 | | |
| 5.0 | .137 | .107 | .085 | .117 | .092 | .074 | .081 | .065 | .052 | .047 | .038 | .031 | .015 | .012 | .010 | | |
| 6.0 | .128 | .097 | .075 | .110 | .084 | .065 | .076 | .059 | .046 | .044 | .035 | .027 | .014 | .011 | .009 | | |
| 7.0 | .121 | .089 | .067 | .104 | .077 | .058 | .072 | .054 | .041 | .042 | .032 | .025 | .013 | .010 | .008 | | |
| 8.0 | .115 | .083 | .060 | .099 | .072 | .053 | .068 | .050 | .037 | .040 | .030 | .022 | .013 | .010 | .007 | | |
| 9.0 | .109 | .077 | .055 | .094 | .067 | .048 | .065 | .047 | .034 | .038 | .028 | .020 | .012 | .009 | .007 | | |
| 10.0 | .104 | .072 | .051 | .090 | .063 | .045 | .062 | .044 | .032 | .036 | .026 | .019 | .012 | .009 | .006 | | |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2016-08-16

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:226.6V I:0.1260A P:27.60W PF:0.9600 Lamp Flux:3032.32x1 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 | | 14.2 | 14.9 | 14.5 | 15.1 | 15.3 | 14.0 | 14.8 | 14.3 | 14.9 | 15.1 |
| | 3H | 14.5 | 15.1 | 14.7 | 15.4 | 15.6 | 14.3 | 15.0 | 14.6 | 15.2 | 15.4 |
| | 4H | 14.7 | 15.3 | 15.0 | 15.5 | 15.8 | 14.5 | 15.1 | 14.8 | 15.4 | 15.6 |
| | 6H | 15.0 | 15.6 | 15.3 | 15.8 | 16.1 | 14.8 | 15.4 | 15.1 | 15.7 | 16.0 |
| | 8H | 15.2 | 15.7 | 15.5 | 16.0 | 16.3 | 15.0 | 15.6 | 15.4 | 15.9 | 16.2 |
| | 12H | 15.4 | 16.0 | 15.8 | 16.3 | 16.6 | 15.3 | 15.8 | 15.6 | 16.2 | 16.5 |
| 4H | 2H | 14.1 | 14.8 | 14.4 | 15.0 | 15.3 | 14.0 | 14.6 | 14.3 | 14.8 | 15.1 |
| | 3H | 14.5 | 15.1 | 14.9 | 15.4 | 15.7 | 14.4 | 14.9 | 14.7 | 15.2 | 15.5 |
| | 4H | 14.9 | 15.4 | 15.2 | 15.7 | 16.1 | 14.7 | 15.2 | 15.1 | 15.6 | 15.9 |
| | 6H | 15.4 | 15.8 | 15.8 | 16.2 | 16.6 | 15.2 | 15.7 | 15.6 | 16.0 | 16.4 |
| | 8H | 15.7 | 16.1 | 16.1 | 16.5 | 16.9 | 15.6 | 16.0 | 16.0 | 16.4 | 16.8 |
| | 12H | 16.1 | 16.5 | 16.6 | 16.9 | 17.3 | 16.0 | 16.4 | 16.4 | 16.8 | 17.2 |
| 8H | 4H | 15.0 | 15.4 | 15.4 | 15.8 | 16.2 | 14.8 | 15.2 | 15.3 | 15.6 | 16.1 |
| | 6H | 15.6 | 16.0 | 16.1 | 16.4 | 16.9 | 15.5 | 15.9 | 16.0 | 16.3 | 16.8 |
| | 8H | 16.1 | 16.4 | 16.6 | 16.9 | 17.4 | 16.0 | 16.3 | 16.5 | 16.8 | 17.3 |
| | 12H | 16.7 | 17.0 | 17.3 | 17.5 | 18.0 | 16.6 | 16.9 | 17.2 | 17.4 | 17.9 |
| 12H | 4H | 15.0 | 15.3 | 15.4 | 15.8 | 16.2 | 14.8 | 15.2 | 15.3 | 15.6 | 16.1 |
| | 6H | 15.7 | 16.0 | 16.2 | 16.5 | 17.0 | 15.6 | 15.9 | 16.1 | 16.4 | 16.9 |
| | 8H | 16.3 | 16.5 | 16.8 | 17.0 | 17.6 | 16.2 | 16.4 | 16.7 | 16.9 | 17.4 |
| Variations with the observer position at spacings: | | | | | | | | | | | |
| S = 1.0H | + 0.7 / - 0.5 | | | | | + 0.6 / - 0.5 | | | | | |
| 1.5H | + 1.5 / - 0.4 | | | | | + 1.3 / - 0.4 | | | | | |
| 2.0H | + 0.2 / - 0.2 | | | | | + 0.2 / - 0.2 | | | | | |

CIE Pub.117 Corrected 3032 lm Total Lamp Luminous Flux.(8log(F/F0) = 3.9)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2016-08-16

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:226.6V I:0.1260A P:27.60W PF:0.9600 Lamp Flux:3032.32x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |

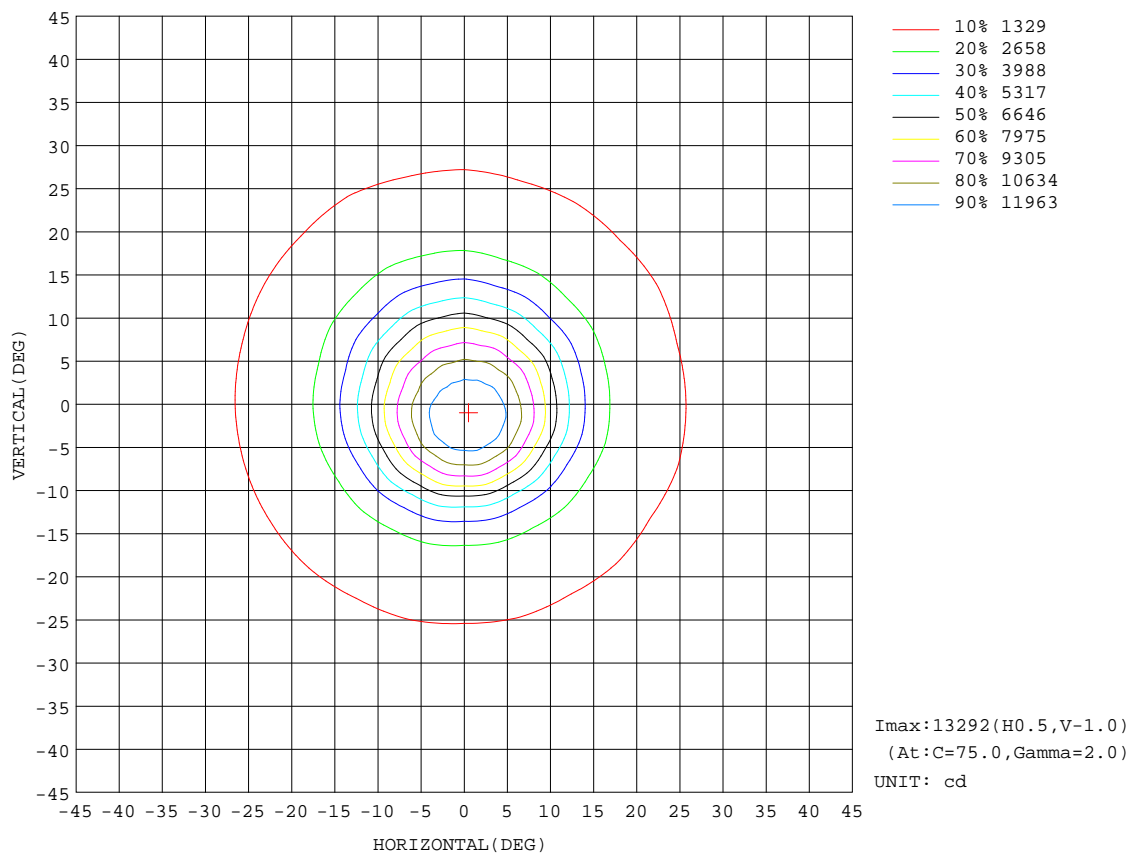
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|---|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0 |
| ROOM INDEX | UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$ | | | | | | | | | |
| $k = 0.60$ | 88 | 82 | 78 | 88 | 82 | 78 | 87 | 81 | 78 | 75 |
| 0.80 | 95 | 90 | 86 | 94 | 89 | 86 | 93 | 88 | 85 | 82 |
| 1.00 | 99 | 94 | 90 | 98 | 93 | 90 | 96 | 93 | 89 | 85 |
| 1.25 | 103 | 98 | 94 | 102 | 97 | 94 | 100 | 96 | 93 | 89 |
| 1.50 | 105 | 101 | 98 | 104 | 100 | 97 | 102 | 98 | 96 | 91 |
| 2.00 | 108 | 104 | 101 | 106 | 103 | 100 | 103 | 100 | 98 | 92 |
| 2.50 | 110 | 106 | 103 | 108 | 104 | 102 | 104 | 102 | 100 | 93 |
| 3.00 | 111 | 108 | 105 | 109 | 106 | 104 | 105 | 103 | 101 | 94 |
| 4.00 | 113 | 110 | 108 | 111 | 109 | 107 | 107 | 105 | 104 | 96 |
| 5.00 | 114 | 112 | 110 | 112 | 110 | 109 | 108 | 106 | 105 | 97 |
| 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:2016-08-16

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:226.6V I:0.1260A P:27.60W PF:0.9600 Lamp Flux:3032.32x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |

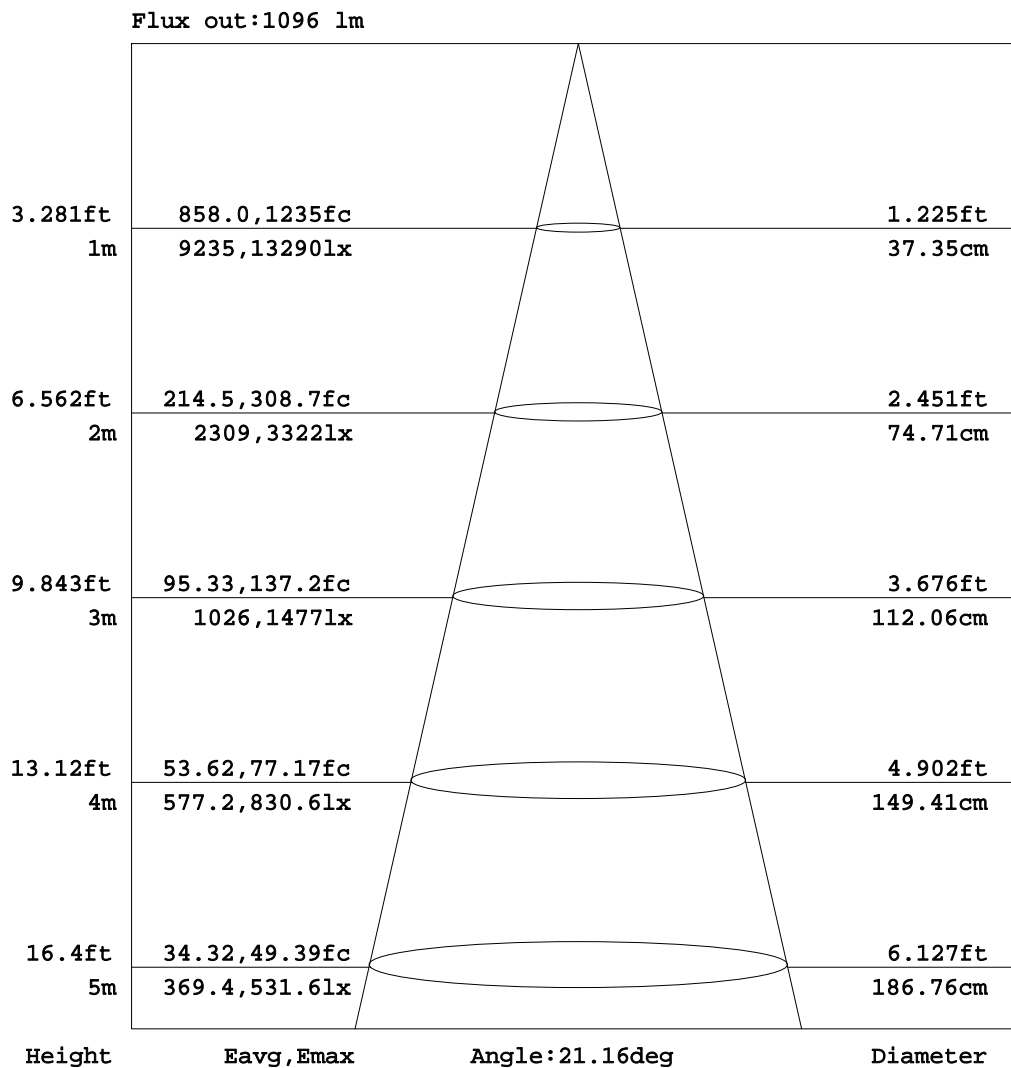


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2016-08-16

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:226.6V I:0.1260A P:27.60W PF:0.9600 Lamp Flux:3032.32x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |



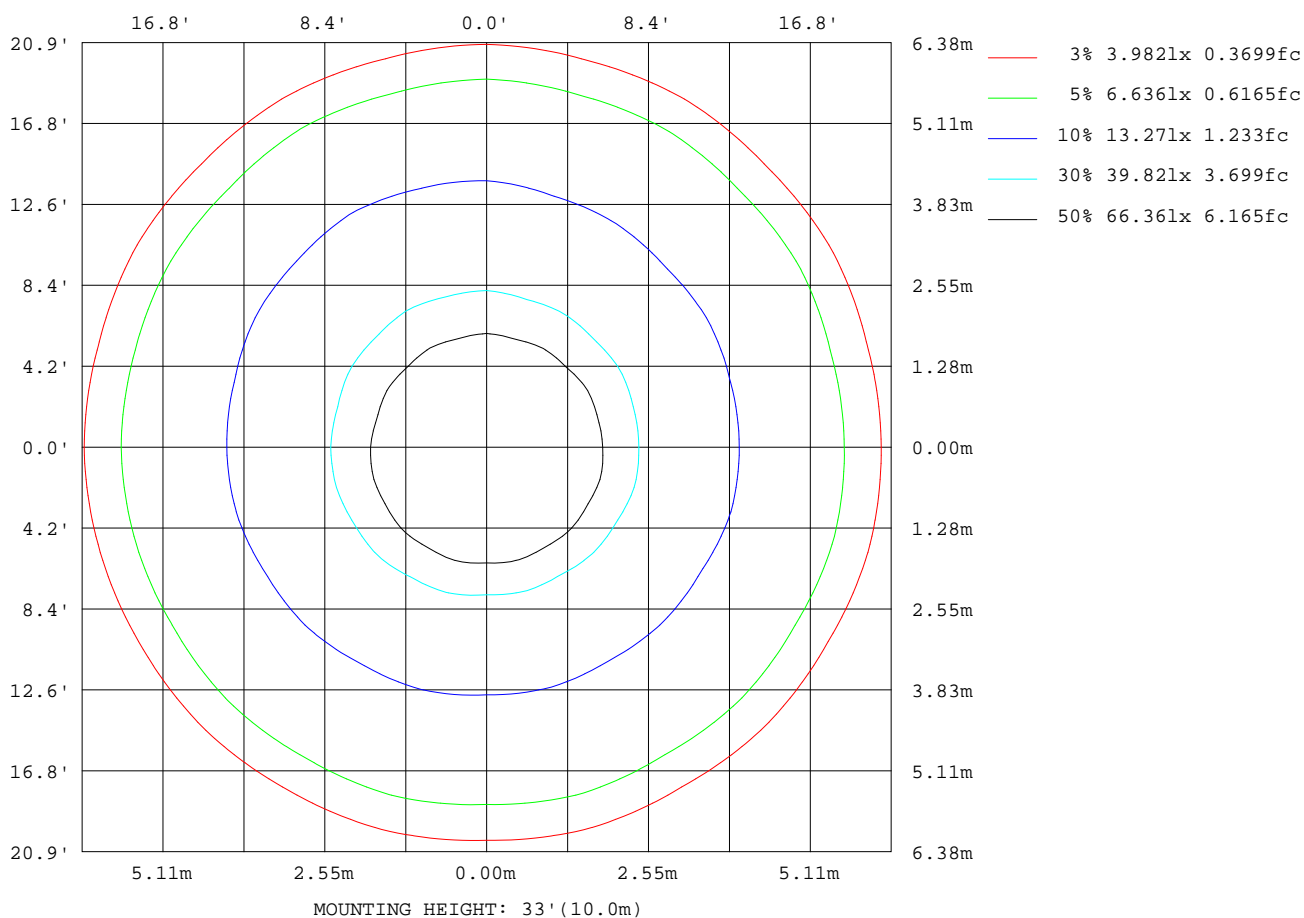
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: ZhangXiao
Test Date: 2016-08-16

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

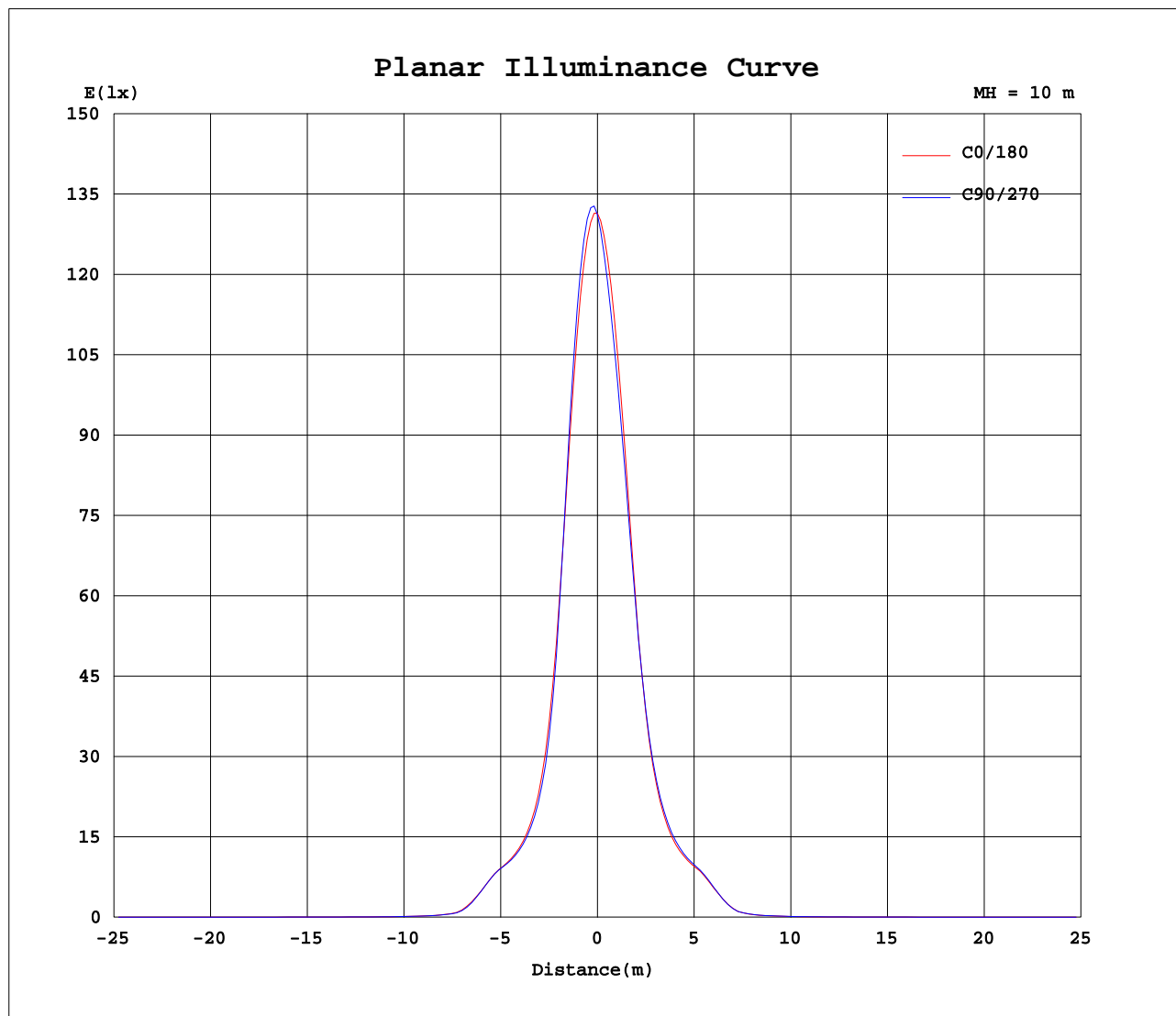
| | | |
|---|--------|-------------------|
| Test:U:226.6V I:0.1260A P:27.60W PF:0.9600 Lamp Flux:3032.32x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: ZhangXiao
Test Date: 2016-08-16

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: 2016-08-16

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:226.6V I:0.1260A P:27.60W PF:0.9600 Lamp Flux:3032.32x1 lm | | | | | | | | | | | | | | | | | | | |
| NAME: | | | | | | | | | | TYPE: | | | | | WEIGHT: | | | | |
| DIM.: | | | | | | | | | | SPEC.: | | | | | SERIAL No.: | | | | |
| MFR.: Rayconn | | | | | | | | | | SUR.: | | | | | PROTECTION ANGLE: | | | | |

Table--1

UNIT: ×10cd

| C(DEG) γ (DEG) | 0 | 15 | 30 | 45 | 60 | 75 | 90 | 105 | 120 | 135 | 150 | 165 | 180 | 195 | 210 | 225 | 240 | 255 | 270 |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0 | 1311 | 1311 | 1311 | 1311 | 1311 | 1311 | 1311 | 1311 | 1311 | 1311 | 1311 | 1311 | 1311 | 1311 | 1311 | 1311 | 1311 | 1311 | 1311 |
| 5 | 1170 | 1200 | 1204 | 1227 | 1222 | 1236 | 1220 | 1223 | 1199 | 1195 | 1166 | 1153 | 1128 | 1100 | 1094 | 1073 | 1074 | 1064 | 1075 |
| 10 | 731 | 753 | 736 | 755 | 735 | 754 | 735 | 758 | 738 | 755 | 736 | 742 | 729 | 706 | 717 | 700 | 712 | 697 | 709 |
| 15 | 342 | 346 | 329 | 331 | 317 | 324 | 317 | 334 | 333 | 351 | 349 | 363 | 366 | 361 | 377 | 372 | 384 | 371 | 374 |
| 20 | 189 | 191 | 183 | 185 | 180 | 184 | 182 | 188 | 186 | 193 | 194 | 201 | 203 | 203 | 213 | 214 | 219 | 214 | 213 |
| 25 | 137 | 137 | 133 | 135 | 133 | 136 | 135 | 137 | 136 | 139 | 140 | 141 | 142 | 143 | 145 | 147 | 152 | 149 | 148 |
| 30 | 92.7 | 94.3 | 90.8 | 93.0 | 90.1 | 94.9 | 92.3 | 96.8 | 95.3 | 98.3 | 96.9 | 99.7 | 101 | 101 | 103 | 101 | 106 | 103 | 105 |
| 35 | 24.8 | 25.8 | 23.5 | 24.7 | 22.9 | 24.7 | 22.5 | 25.5 | 25.5 | 28.0 | 26.6 | 29.4 | 30.4 | 29.7 | 31.6 | 29.9 | 31.1 | 29.0 | 29.5 |
| 40 | 7.72 | 7.88 | 7.69 | 7.99 | 7.79 | 7.87 | 7.52 | 7.86 | 7.95 | 8.25 | 8.03 | 8.41 | 8.43 | 8.48 | 8.98 | 8.88 | 8.98 | 8.76 | 8.78 |
| 45 | 4.01 | 4.11 | 4.03 | 4.14 | 4.05 | 4.09 | 3.94 | 4.11 | 4.15 | 4.26 | 4.17 | 4.30 | 4.29 | 4.31 | 4.54 | 4.49 | 4.55 | 4.42 | 4.47 |
| 50 | 2.74 | 2.78 | 2.74 | 2.74 | 2.69 | 2.69 | 2.65 | 2.74 | 2.76 | 2.78 | 2.72 | 2.75 | 2.69 | 2.72 | 2.83 | 2.87 | 2.89 | 2.86 | 2.86 |
| 55 | 2.11 | 2.13 | 2.12 | 2.12 | 2.09 | 2.09 | 2.07 | 2.12 | 2.13 | 2.15 | 2.10 | 2.09 | 2.03 | 2.06 | 2.12 | 2.15 | 2.14 | 2.14 | 2.15 |
| 60 | 1.76 | 1.78 | 1.78 | 1.79 | 1.78 | 1.78 | 1.77 | 1.79 | 1.80 | 1.82 | 1.82 | 1.82 | 1.74 | 1.75 | 1.78 | 1.78 | 1.76 | 1.76 | 1.77 |
| 65 | 1.55 | 1.56 | 1.57 | 1.57 | 1.56 | 1.57 | 1.56 | 1.58 | 1.59 | 1.60 | 1.61 | 1.60 | 1.53 | 1.53 | 1.54 | 1.54 | 1.52 | 1.52 | 1.54 |
| 70 | 1.32 | 1.34 | 1.34 | 1.34 | 1.33 | 1.34 | 1.33 | 1.34 | 1.34 | 1.36 | 1.36 | 1.35 | 1.31 | 1.31 | 1.32 | 1.33 | 1.31 | 1.31 | 1.32 |
| 75 | 1.11 | 1.13 | 1.12 | 1.12 | 1.10 | 1.12 | 1.10 | 1.13 | 1.12 | 1.14 | 1.14 | 1.14 | 1.11 | 1.11 | 1.12 | 1.14 | 1.13 | 1.13 | 1.13 |
| 80 | 0.93 | 0.93 | 0.93 | 0.93 | 0.92 | 0.93 | 0.91 | 0.93 | 0.93 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| 85 | 0.76 | 0.76 | 0.76 | 0.76 | 0.75 | 0.76 | 0.75 | 0.76 | 0.78 | 0.78 | 0.77 | 0.77 | 0.81 | 0.81 | 0.82 | 0.82 | 0.82 | 0.82 | 0.82 |
| 90 | 0.60 | 0.60 | 0.59 | 0.60 | 0.59 | 0.60 | 0.59 | 0.59 | 0.64 | 0.63 | 0.61 | 0.60 | 0.72 | 0.72 | 0.72 | 0.72 | 0.71 | 0.72 | 0.72 |
| 95 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.56 | 0.56 | 0.53 | 0.52 | 0.73 | 0.73 | 0.73 | 0.73 | 0.73 | 0.73 | 0.73 |
| 100 | 0.49 | 0.49 | 0.49 | 0.48 | 0.48 | 0.48 | 0.48 | 0.48 | 0.50 | 0.50 | 0.49 | 0.48 | 0.74 | 0.74 | 0.74 | 0.74 | 0.74 | 0.74 | 0.74 |
| 105 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.54 | 0.53 | 0.53 | 0.53 | 0.77 | 0.77 | 0.77 | 0.77 | 0.77 | 0.77 | 0.77 |
| 110 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.82 | 0.82 | 0.82 | 0.82 | 0.81 | 0.82 | 0.81 |
| 115 | 0.74 | 0.74 | 0.74 | 0.74 | 0.75 | 0.74 | 0.74 | 0.74 | 0.74 | 0.73 | 0.73 | 0.72 | 0.88 | 0.88 | 0.88 | 0.88 | 0.87 | 0.88 | 0.88 |
| 120 | 0.87 | 0.86 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.86 | 0.86 | 0.85 | 0.85 | 0.84 | 0.98 | 0.99 | 0.98 | 0.98 | 0.97 | 0.98 | 0.98 |
| 125 | 1.06 | 1.06 | 1.07 | 1.06 | 1.06 | 1.06 | 1.06 | 1.05 | 1.05 | 1.04 | 1.05 | 1.03 | 1.15 | 1.16 | 1.15 | 1.15 | 1.14 | 1.15 | 1.15 |
| 130 | 1.35 | 1.35 | 1.36 | 1.35 | 1.35 | 1.34 | 1.35 | 1.34 | 1.34 | 1.33 | 1.34 | 1.32 | 1.41 | 1.42 | 1.41 | 1.42 | 1.41 | 1.42 | 1.41 |
| 135 | 1.70 | 1.69 | 1.70 | 1.69 | 1.70 | 1.69 | 1.70 | 1.69 | 1.69 | 1.68 | 1.69 | 1.67 | 1.73 | 1.74 | 1.72 | 1.74 | 1.72 | 1.74 | 1.73 |
| 140 | 2.01 | 2.01 | 2.02 | 2.01 | 2.01 | 2.01 | 2.01 | 2.01 | 2.01 | 2.00 | 2.00 | 1.99 | 2.02 | 2.03 | 2.01 | 2.03 | 2.01 | 2.03 | 2.02 |
| 145 | 2.23 | 2.23 | 2.25 | 2.24 | 2.24 | 2.24 | 2.24 | 2.24 | 2.23 | 2.23 | 2.23 | 2.22 | 2.25 | 2.25 | 2.24 | 2.25 | 2.24 | 2.25 | 2.24 |
| 150 | 2.37 | 2.38 | 2.38 | 2.38 | 2.38 | 2.38 | 2.38 | 2.38 | 2.37 | 2.37 | 2.37 | 2.37 | 2.39 | 2.40 | 2.39 | 2.40 | 2.39 | 2.40 | 2.39 |
| 155 | 2.46 | 2.46 | 2.46 | 2.47 | 2.46 | 2.47 | 2.46 | 2.47 | 2.46 | 2.47 | 2.47 | 2.46 | 2.48 | 2.49 | 2.48 | 2.49 | 2.48 | 2.50 | 2.48 |
| 160 | 2.52 | 2.52 | 2.52 | 2.52 | 2.52 | 2.52 | 2.52 | 2.53 | 2.53 | 2.53 | 2.53 | 2.52 | 2.53 | 2.54 | 2.54 | 2.55 | 2.54 | 2.55 | 2.54 |
| 165 | 2.55 | 2.55 | 2.55 | 2.55 | 2.55 | 2.56 | 2.55 | 2.56 | 2.56 | 2.56 | 2.56 | 2.56 | 2.57 | 2.58 | 2.57 | 2.58 | 2.58 | 2.59 | 2.58 |
| 170 | 2.51 | 2.51 | 2.51 | 2.52 | 2.51 | 2.53 | 2.52 | 2.53 | 2.53 | 2.53 | 2.53 | 2.53 | 2.54 | 2.55 | 2.55 | 2.56 | 2.55 | 2.56 | 2.56 |
| 175 | 2.42 | 2.43 | 2.43 | 2.44 | 2.43 | 2.44 | 2.43 | 2.44 | 2.43 | 2.44 | 2.43 | 2.43 | 2.45 | 2.46 | 2.45 | 2.46 | 2.45 | 2.46 | 2.46 |
| 180 | 2.42 | 2.43 | 2.43 | 2.43 | 2.42 | 2.43 | 2.42 | 2.42 | 2.42 | 2.42 | 2.42 | 2.42 | 2.42 | 2.43 | 2.42 | 2.43 | 2.42 | 2.43 | 2.42 |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: ZhangXiao
Test Date: 2016-08-16

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:226.6V I:0.1260A P:27.60W PF:0.9600 Lamp Flux:3032.32x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |

Table--2

UNIT: x10cd

| C(DEG) γ (DEG) | 285 | 300 | 315 | 330 | 345 | | | | | | | | | | | | | | |
|-------------------|------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 0 | 1311 | 1311 | 1311 | 1311 | 1311 | | | | | | | | | | | | | | |
| 5 | 1075 | 1098 | 1107 | 1136 | 1145 | | | | | | | | | | | | | | |
| 10 | 693 | 712 | 704 | 731 | 721 | | | | | | | | | | | | | | |
| 15 | 356 | 360 | 347 | 357 | 343 | | | | | | | | | | | | | | |
| 20 | 202 | 200 | 193 | 195 | 190 | | | | | | | | | | | | | | |
| 25 | 143 | 142 | 139 | 139 | 136 | | | | | | | | | | | | | | |
| 30 | 100 | 101 | 95.7 | 96.9 | 91.8 | | | | | | | | | | | | | | |
| 35 | 27.1 | 27.9 | 25.2 | 26.6 | 24.7 | | | | | | | | | | | | | | |
| 40 | 8.40 | 8.39 | 7.96 | 7.98 | 7.65 | | | | | | | | | | | | | | |
| 45 | 4.31 | 4.30 | 4.10 | 4.11 | 3.99 | | | | | | | | | | | | | | |
| 50 | 2.80 | 2.76 | 2.71 | 2.70 | 2.69 | | | | | | | | | | | | | | |
| 55 | 2.12 | 2.09 | 2.08 | 2.08 | 2.07 | | | | | | | | | | | | | | |
| 60 | 1.75 | 1.74 | 1.74 | 1.75 | 1.74 | | | | | | | | | | | | | | |
| 65 | 1.53 | 1.52 | 1.52 | 1.53 | 1.52 | | | | | | | | | | | | | | |
| 70 | 1.32 | 1.31 | 1.31 | 1.31 | 1.30 | | | | | | | | | | | | | | |
| 75 | 1.12 | 1.12 | 1.12 | 1.11 | 1.10 | | | | | | | | | | | | | | |
| 80 | 0.95 | 0.95 | 0.95 | 0.94 | 0.94 | | | | | | | | | | | | | | |
| 85 | 0.82 | 0.85 | 0.86 | 0.83 | 0.81 | | | | | | | | | | | | | | |
| 90 | 0.73 | 0.79 | 0.81 | 0.75 | 0.73 | | | | | | | | | | | | | | |
| 95 | 0.74 | 0.77 | 0.79 | 0.75 | 0.73 | | | | | | | | | | | | | | |
| 100 | 0.74 | 0.76 | 0.76 | 0.75 | 0.75 | | | | | | | | | | | | | | |
| 105 | 0.77 | 0.78 | 0.78 | 0.78 | 0.78 | | | | | | | | | | | | | | |
| 110 | 0.82 | 0.82 | 0.82 | 0.82 | 0.83 | | | | | | | | | | | | | | |
| 115 | 0.89 | 0.88 | 0.89 | 0.89 | 0.89 | | | | | | | | | | | | | | |
| 120 | 0.99 | 0.98 | 0.99 | 0.99 | 1.00 | | | | | | | | | | | | | | |
| 125 | 1.16 | 1.15 | 1.17 | 1.17 | 1.18 | | | | | | | | | | | | | | |
| 130 | 1.43 | 1.42 | 1.44 | 1.43 | 1.44 | | | | | | | | | | | | | | |
| 135 | 1.75 | 1.73 | 1.76 | 1.75 | 1.76 | | | | | | | | | | | | | | |
| 140 | 2.04 | 2.03 | 2.05 | 2.04 | 2.05 | | | | | | | | | | | | | | |
| 145 | 2.26 | 2.25 | 2.29 | 2.27 | 2.27 | | | | | | | | | | | | | | |
| 150 | 2.40 | 2.40 | 2.42 | 2.41 | 2.41 | | | | | | | | | | | | | | |
| 155 | 2.50 | 2.49 | 2.50 | 2.50 | 2.50 | | | | | | | | | | | | | | |
| 160 | 2.55 | 2.54 | 2.55 | 2.55 | 2.55 | | | | | | | | | | | | | | |
| 165 | 2.59 | 2.58 | 2.59 | 2.58 | 2.58 | | | | | | | | | | | | | | |
| 170 | 2.57 | 2.56 | 2.56 | 2.56 | 2.55 | | | | | | | | | | | | | | |
| 175 | 2.46 | 2.46 | 2.46 | 2.46 | 2.46 | | | | | | | | | | | | | | |
| 180 | 2.42 | 2.42 | 2.42 | 2.42 | 2.42 | | | | | | | | | | | | | | |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2016-08-16

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: