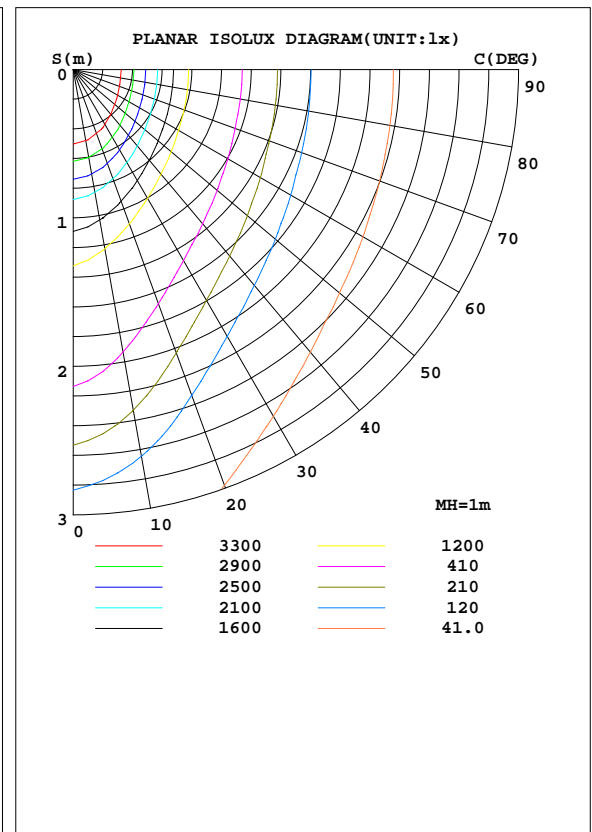
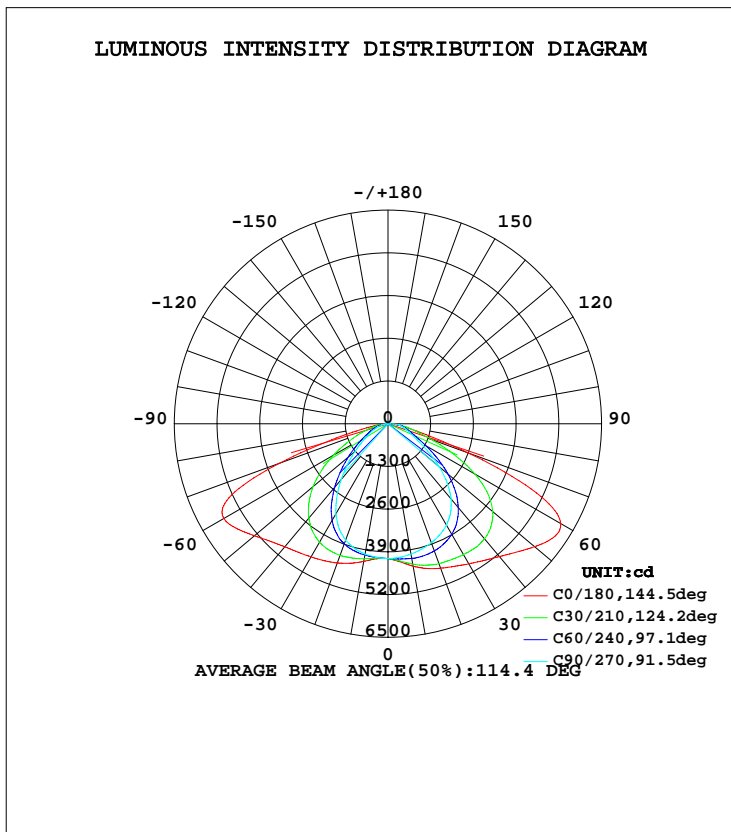


LUMINAIRE PHOTOMETRIC TEST REPORT

| | | |
|---|------------------|---------------------|
| Test:U:221.3V I:0.5800A P:123.5W PF:0.9619 Lamp Flux:13547.1x1 lm | | |
| NAME: LED Canopy Light | TYPE:YHL-CP2-120 | WEIGHT: |
| SPEC.:MEAN WELL driver | DIM.: 5000K | SERIAL No.:20160901 |
| MFR.: | SUR.:70Ra | PROTECTION ANGLE: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 109.73 lm/W | | | |
|------------------|---------|-----------------------------------|--------|--------------------|-----------|
| MODEL | | I _{max} (cd) | 6259 | S/MH(C0/180) | 1.92 |
| NOMINAL POWER(W) | 122.2 | LOR(%) | 100.0 | S/MH(C90/270) | 1.28 |
| RATED VOLTAGE(V) | 220 | TOTAL FLUX(lm) | 13547 | η UP, DN(C0-180) | 0.0, 45.1 |
| NOMINAL FLUX(lm) | 13547.1 | CIE CLASS | DIRECT | η UP, DN(C180-360) | 0.0, 54.9 |
| LAMPS INSIDE | 1 | η up(%) | 0.0 | CIBSE SHR NOM | 1.25 |
| TEST VOLTAGE(V) | 221.0 | η down(%) | 100.0 | CIBSE SHR MAX | 1.35 |



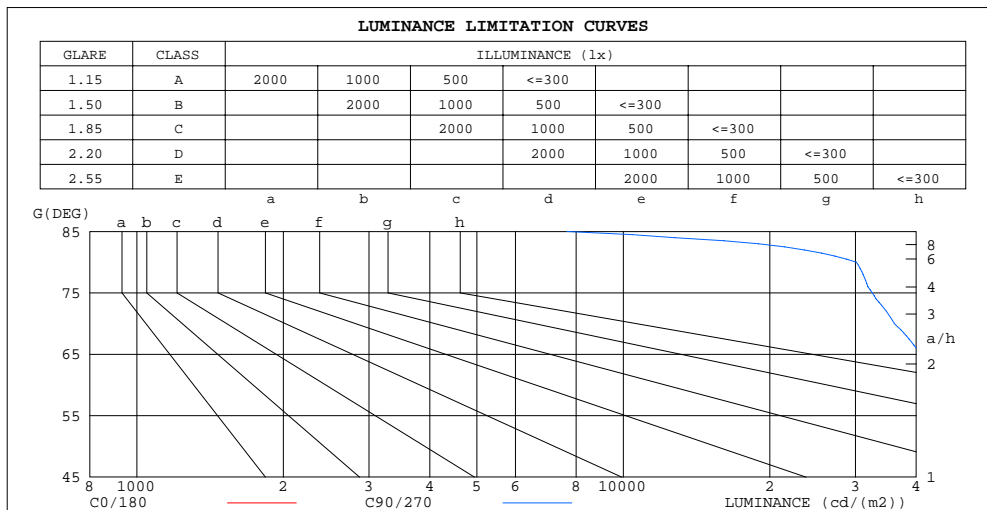
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:CHEN YU
 Test Date:2016-09-01

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.287
 Humidity:65.0%
 Test Distance:9.410m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM
AND LUMINANCE LIMITATION CURVES

ZONAL FLUX DIAGRAM:

| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | Φ zone | Φ total | lum, lamp |
|-----|-----------------------|-------|-------|-------|-------|-------|-------|-------|---------|---------|---------|-----------|
| 5 | 4128 | 4094 | 4080 | 4145 | 4217 | 4162 | 4081 | 4093 | 0- 5 | 98.36 | 98.36 | 0.73,0.73 |
| 10 | 4252 | 4108 | 4030 | 4191 | 4400 | 4254 | 4031 | 4118 | 5- 10 | 296.9 | 395.3 | 2.92,2.92 |
| 15 | 4394 | 4108 | 3926 | 4202 | 4559 | 4323 | 3951 | 4149 | 10- 15 | 497.0 | 892.2 | 6.59,6.59 |
| 20 | 4509 | 4062 | 3772 | 4147 | 4677 | 4331 | 3860 | 4150 | 15- 20 | 691.5 | 1584 | 11.7,11.7 |
| 25 | 4600 | 3945 | 3518 | 4022 | 4788 | 4303 | 3729 | 4115 | 20- 25 | 872.4 | 2456 | 18.1,18.1 |
| 30 | 4680 | 3733 | 3176 | 3800 | 4923 | 4232 | 3564 | 4044 | 25- 30 | 1031 | 3487 | 25.7,25.7 |
| 35 | 4772 | 3419 | 2711 | 3474 | 5079 | 4100 | 3316 | 3922 | 30- 35 | 1159 | 4646 | 34.3,34.3 |
| 40 | 4889 | 3014 | 2214 | 3055 | 5276 | 3874 | 2991 | 3713 | 35- 40 | 1247 | 5894 | 43.5,43.5 |
| 45 | 5062 | 2547 | 1736 | 2565 | 5526 | 3525 | 2547 | 3388 | 40- 45 | 1291 | 7185 | 53,53 |
| 50 | 5304 | 2062 | 1302 | 2050 | 5820 | 3056 | 2040 | 2937 | 45- 50 | 1289 | 8475 | 62.6,62.6 |
| 55 | 5586 | 1600 | 963.0 | 1566 | 6091 | 2470 | 1513 | 2368 | 50- 55 | 1241 | 9715 | 71.7,71.7 |
| 60 | 5768 | 1187 | 714.4 | 1148 | 6069 | 1840 | 1064 | 1764 | 55- 60 | 1146 | 10862 | 80.2,80.2 |
| 65 | 5345 | 856.2 | 552.5 | 822.7 | 4994 | 1287 | 817.8 | 1243 | 60- 65 | 996.1 | 11858 | 87.5,87.5 |
| 70 | 3504 | 609.9 | 394.8 | 589.6 | 2594 | 898.5 | 652.3 | 879.3 | 65- 70 | 758.5 | 12616 | 93.1,93.1 |
| 75 | 1484 | 416.4 | 269.1 | 397.6 | 997.1 | 651.9 | 529.2 | 645.1 | 70- 75 | 478.4 | 13095 | 96.7,96.7 |
| 80 | 531.8 | 217.9 | 167.5 | 211.7 | 406.6 | 470.0 | 398.9 | 469.0 | 75- 80 | 279.3 | 13374 | 98.7,98.7 |
| 85 | 144.2 | 67.94 | 21.34 | 70.65 | 108.9 | 281.1 | 166.0 | 286.1 | 80- 85 | 150.5 | 13524 | 99.8,99.8 |
| 90 | 7.033 | 0 | 0 | 0 | 3.485 | 0 | 0 | 0 | 85- 90 | 22.62 | 13547 | 100,100 |
| 95 | | | | | | | | | 90- 95 | | | |
| 100 | | | | | | | | | 95-100 | | | |
| 105 | | | | | | | | | 100-105 | | | |
| 110 | | | | | | | | | 105-110 | | | |
| 115 | | | | | | | | | 110-115 | | | |
| 120 | | | | | | | | | 115-120 | | | |
| 125 | | | | | | | | | 120-125 | | | |
| 130 | | | | | | | | | 125-130 | | | |
| 135 | | | | | | | | | 130-135 | | | |
| 140 | | | | | | | | | 135-140 | | | |
| 145 | | | | | | | | | 140-145 | | | |
| 150 | | | | | | | | | 145-150 | | | |
| 155 | | | | | | | | | 150-155 | | | |
| 160 | | | | | | | | | 155-160 | | | |
| 165 | | | | | | | | | 160-165 | | | |
| 170 | | | | | | | | | 165-170 | | | |
| 175 | | | | | | | | | 170-175 | | | |
| 180 | | | | | | | | | 175-180 | | | |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |



| LUMINANCE cd/(m2) | | |
|-------------------|--------|---------|
| G(DEG) | C0/180 | C90/270 |
| 85 | 51712 | 7653 |
| 80 | 95695 | 30152 |
| 75 | 179182 | 32495 |
| 70 | 320125 | 36074 |
| 65 | 395233 | 40857 |
| 60 | 360505 | 44648 |
| 55 | 304360 | 52467 |
| 50 | 257855 | 63275 |
| 45 | 223700 | 76740 |

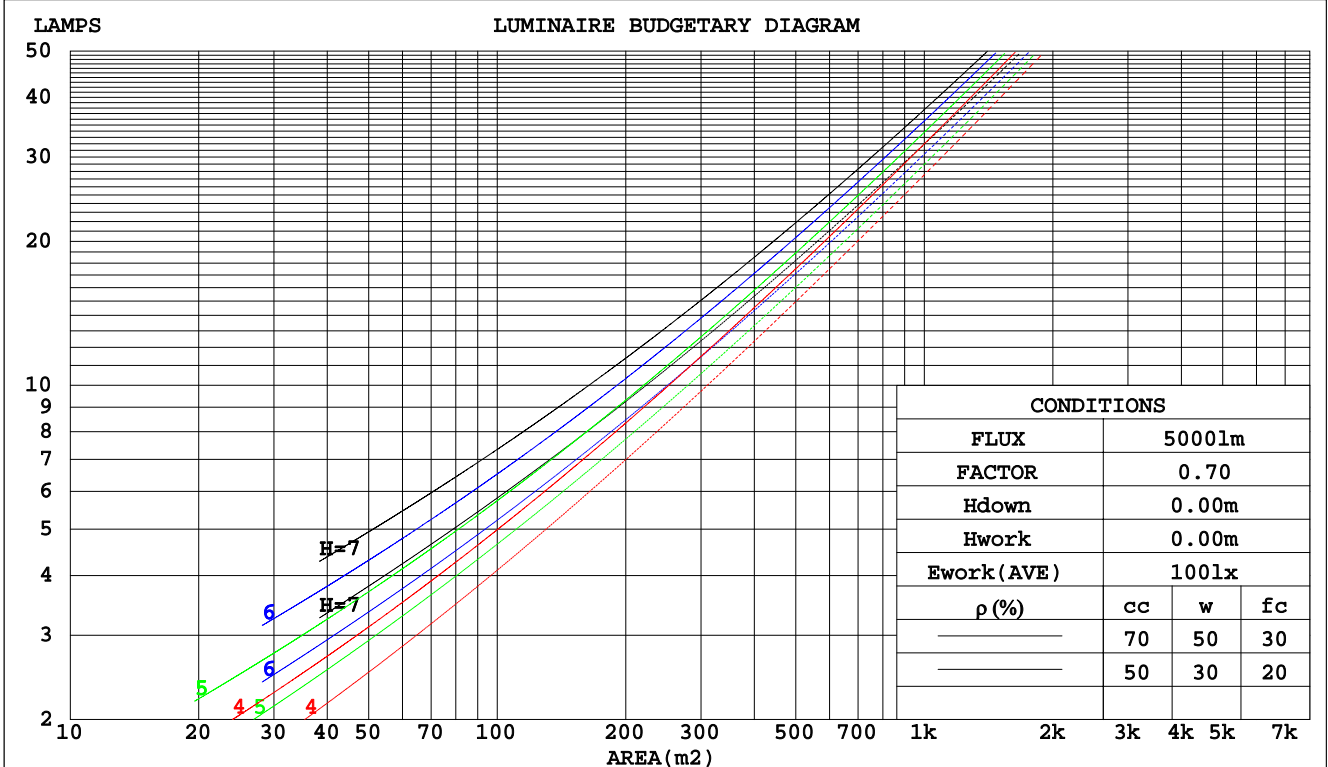
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:CHEN YU
Test Date:2016-09-01

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.287
Humidity:65.0%
Test Distance:9.410m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|---|------------------|---------------------|
| Test:U:221.3V I:0.5800A P:123.5W PF:0.9619 Lamp Flux:13547.1x1 lm | | |
| NAME: LED Canopy Light | TYPE:YHL-CP2-120 | WEIGHT: |
| SPEC.:MEAN WELL driver | DIM.: 5000K | SERIAL No.:20160901 |
| MFR.: | SUR.:70Ra | PROTECTION ANGLE: |

| pcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|------|---------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|
| | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | |
| pw | | | | | | | | | | | | | | | | 0 |
| pfc | | | | | | | | | | | | | | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | | | | | | | | | | |
| | Coefficients of Utilization(CU) | | | | | | | | | | | | | | | |
| 0.0 | 1.19 | 1.19 | 1.19 | 1.16 | 1.16 | 1.16 | 1.11 | 1.11 | 1.11 | 1.06 | 1.06 | 1.06 | 1.02 | 1.02 | 1.02 | .00 |
| 1.0 | 1.04 | 1.00 | .96 | 1.02 | .98 | .95 | .98 | .95 | .92 | .94 | .91 | .89 | .90 | .88 | .86 | .84 |
| 2.0 | .91 | .84 | .78 | .89 | .83 | .77 | .85 | .80 | .76 | .82 | .78 | .74 | .79 | .75 | .72 | .70 |
| 3.0 | .80 | .71 | .65 | .78 | .70 | .64 | .75 | .69 | .63 | .72 | .67 | .62 | .70 | .65 | .61 | .59 |
| 4.0 | .70 | .61 | .55 | .69 | .61 | .54 | .66 | .59 | .54 | .64 | .58 | .53 | .62 | .57 | .52 | .50 |
| 5.0 | .63 | .53 | .47 | .61 | .53 | .47 | .59 | .52 | .46 | .57 | .51 | .45 | .55 | .50 | .45 | .43 |
| 6.0 | .56 | .47 | .41 | .55 | .47 | .40 | .53 | .46 | .40 | .52 | .45 | .40 | .50 | .44 | .39 | .37 |
| 7.0 | .51 | .42 | .36 | .50 | .41 | .35 | .48 | .41 | .35 | .47 | .40 | .35 | .46 | .39 | .35 | .33 |
| 8.0 | .46 | .38 | .32 | .45 | .37 | .32 | .44 | .37 | .31 | .43 | .36 | .31 | .42 | .36 | .31 | .29 |
| 9.0 | .42 | .34 | .28 | .42 | .34 | .28 | .40 | .33 | .28 | .39 | .33 | .28 | .38 | .32 | .28 | .26 |
| 10.0 | .39 | .31 | .26 | .38 | .31 | .25 | .37 | .30 | .25 | .36 | .30 | .25 | .35 | .29 | .25 | .23 |



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:CHEN YU
 Test Date:2016-09-01

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.287
 Humidity:65.0%
 Test Distance:9.410m [K=1.0000]
 Remarks:

WEC AND CCEC

| | | |
|---|------------------|---------------------|
| Test:U:221.3V I:0.5800A P:123.5W PF:0.9619 Lamp Flux:13547.1x1 lm | | |
| NAME: LED Canopy Light | TYPE:YHL-CP2-120 | WEIGHT: |
| SPEC.:MEAN WELL driver | DIM.: 5000K | SERIAL No.:20160901 |
| MFR.: | SUR.:70Ra | PROTECTION ANGLE: |

| ρcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|---|
| ρw | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| ρfc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Wall Exitance Coefficients(WEC) | | | | | | | | | |
| 0.0 | | | | | | | | | | | | | | | | |
| 1.0 | .301 | .171 | .054 | .294 | .168 | .053 | .281 | .161 | .051 | .269 | .155 | .050 | .257 | .149 | .048 | |
| 2.0 | .288 | .158 | .048 | .281 | .155 | .048 | .270 | .150 | .047 | .259 | .145 | .045 | .249 | .141 | .044 | |
| 3.0 | .268 | .143 | .043 | .263 | .141 | .042 | .253 | .137 | .042 | .243 | .133 | .041 | .234 | .130 | .040 | |
| 4.0 | .249 | .129 | .038 | .244 | .128 | .038 | .235 | .125 | .037 | .227 | .122 | .037 | .219 | .119 | .036 | |
| 5.0 | .231 | .118 | .034 | .227 | .116 | .034 | .219 | .114 | .034 | .211 | .111 | .033 | .204 | .109 | .033 | |
| 6.0 | .215 | .108 | .031 | .211 | .107 | .031 | .204 | .104 | .030 | .197 | .102 | .030 | .190 | .100 | .030 | |
| 7.0 | .200 | .099 | .028 | .197 | .098 | .028 | .190 | .096 | .028 | .184 | .094 | .027 | .178 | .093 | .027 | |
| 8.0 | .187 | .091 | .026 | .184 | .091 | .026 | .178 | .089 | .025 | .173 | .087 | .025 | .168 | .086 | .025 | |
| 9.0 | .175 | .085 | .024 | .173 | .084 | .024 | .167 | .083 | .023 | .162 | .081 | .023 | .158 | .080 | .023 | |
| 10.0 | .165 | .079 | .022 | .162 | .078 | .022 | .158 | .077 | .022 | .153 | .076 | .022 | .149 | .075 | .022 | |

| ρcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|------|-----------------------|------|------|------|------|------|--|------|------|------|------|------|------|------|------|---|
| ρw | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| ρfc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Ceiling Cavity Exitance Coefficients(CCEC) | | | | | | | | | |
| 0.0 | .190 | .190 | .190 | .163 | .163 | .163 | .111 | .111 | .111 | .064 | .064 | .064 | .020 | .020 | .020 | |
| 1.0 | .180 | .156 | .135 | .154 | .134 | .116 | .105 | .092 | .080 | .061 | .053 | .047 | .019 | .017 | .015 | |
| 2.0 | .172 | .132 | .099 | .147 | .114 | .085 | .101 | .079 | .059 | .058 | .046 | .035 | .019 | .015 | .011 | |
| 3.0 | .164 | .114 | .075 | .141 | .099 | .065 | .097 | .068 | .045 | .056 | .040 | .027 | .018 | .013 | .009 | |
| 4.0 | .157 | .101 | .058 | .135 | .087 | .051 | .093 | .061 | .036 | .054 | .036 | .021 | .017 | .012 | .007 | |
| 5.0 | .150 | .091 | .047 | .128 | .078 | .041 | .089 | .055 | .029 | .051 | .032 | .017 | .017 | .010 | .006 | |
| 6.0 | .143 | .082 | .039 | .123 | .071 | .034 | .085 | .050 | .024 | .049 | .029 | .014 | .016 | .010 | .005 | |
| 7.0 | .136 | .075 | .033 | .117 | .065 | .029 | .081 | .046 | .020 | .047 | .027 | .012 | .015 | .009 | .004 | |
| 8.0 | .130 | .070 | .029 | .111 | .060 | .025 | .077 | .042 | .018 | .045 | .025 | .011 | .015 | .008 | .003 | |
| 9.0 | .123 | .065 | .025 | .106 | .056 | .022 | .074 | .039 | .016 | .043 | .023 | .009 | .014 | .008 | .003 | |
| 10.0 | .118 | .060 | .022 | .102 | .052 | .019 | .070 | .037 | .014 | .041 | .022 | .008 | .013 | .007 | .003 | |

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:CHEN YU
 Test Date:2016-09-01

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.287
 Humidity:65.0%
 Test Distance:9.410m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

| | | | | | | | | | | |
|---|------------------|------|------|------|------------------|----------------|------|---------------------|------|------|
| Test:U:221.3V I:0.5800A P:123.5W PF:0.9619 Lamp Flux:13547.1x1 lm | | | | | | | | | | |
| NAME: LED Canopy Light | | | | | TYPE:YHL-CP2-120 | | | WEIGHT: | | |
| SPEC.:MEAN WELL driver | | | | | DIM.: 5000K | | | SERIAL No.:20160901 | | |
| MFR.: | | | | | SUR.:70Ra | | | 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 | 33.3 | 34.8 | 33.5 | 35.0 | 35.2 | 24.8 | 26.4 | 25.1 | 26.6 | 26.8 |
| 3H | 35.5 | 36.9 | 35.8 | 37.2 | 37.4 | 25.5 | 26.9 | 25.8 | 27.2 | 27.4 |
| 4H | 35.9 | 37.3 | 36.3 | 37.5 | 37.8 | 25.8 | 27.1 | 26.1 | 27.4 | 27.6 |
| 6H | 36.0 | 37.3 | 36.4 | 37.6 | 37.9 | 26.0 | 27.3 | 26.3 | 27.5 | 27.8 |
| 8H | 36.0 | 37.3 | 36.4 | 37.5 | 37.8 | 26.0 | 27.3 | 26.4 | 27.5 | 27.8 |
| 12H | 36.0 | 37.2 | 36.4 | 37.5 | 37.8 | 26.0 | 27.2 | 26.4 | 27.5 | 27.8 |
| 4H 2H | 33.1 | 34.4 | 33.4 | 34.7 | 34.9 | 25.9 | 27.3 | 26.2 | 27.5 | 27.8 |
| 3H | 35.4 | 36.6 | 35.7 | 36.9 | 37.2 | 26.7 | 27.9 | 27.1 | 28.2 | 28.5 |
| 4H | 35.9 | 36.9 | 36.3 | 37.3 | 37.6 | 27.0 | 28.1 | 27.4 | 28.4 | 28.8 |
| 6H | 36.1 | 37.0 | 36.5 | 37.4 | 37.7 | 27.3 | 28.3 | 27.7 | 28.6 | 29.0 |
| 8H | 36.1 | 37.0 | 36.5 | 37.3 | 37.7 | 27.4 | 28.3 | 27.8 | 28.6 | 29.0 |
| 12H | 36.1 | 36.9 | 36.5 | 37.3 | 37.7 | 27.4 | 28.2 | 27.8 | 28.6 | 29.0 |
| 8H 4H | 35.8 | 36.7 | 36.2 | 37.0 | 37.4 | 27.5 | 28.4 | 27.9 | 28.8 | 29.1 |
| 6H | 36.0 | 36.7 | 36.5 | 37.2 | 37.6 | 27.9 | 28.6 | 28.4 | 29.0 | 29.5 |
| 8H | 36.1 | 36.7 | 36.5 | 37.1 | 37.6 | 28.0 | 28.7 | 28.5 | 29.1 | 29.5 |
| 12H | 36.1 | 36.6 | 36.6 | 37.1 | 37.6 | 28.0 | 28.6 | 28.5 | 29.0 | 29.5 |
| 12H 4H | 35.7 | 36.5 | 36.2 | 36.9 | 37.3 | 27.6 | 28.4 | 28.0 | 28.8 | 29.2 |
| 6H | 36.0 | 36.6 | 36.5 | 37.1 | 37.5 | 28.0 | 28.6 | 28.5 | 29.1 | 29.5 |
| 8H | 36.1 | 36.6 | 36.5 | 37.1 | 37.5 | 28.2 | 28.7 | 28.6 | 29.1 | 29.6 |
| Variations with the observer position at spacings: | | | | | | | | | | |
| S = 1.0H | + 0.4 / - 0.4 | | | | | + 0.6 / - 0.7 | | | | |
| 1.5H | + 1.3 / - 1.4 | | | | | + 0.4 / - 0.5 | | | | |
| 2.0H | + 2.7 / - 2.6 | | | | | + 0.7 / - 1.0 | | | | |

CIE Pub.117 Corrected 13547 lm Total Lamp Luminous Flux. (8log(F/F0) = 9.1)

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:CHEN YU
 Test Date:2016-09-01

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.287
 Humidity:65.0%
 Test Distance:9.410m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

| | | |
|---|------------------|---------------------|
| Test:U:221.3V I:0.5800A P:123.5W PF:0.9619 Lamp Flux:13547.1x1 lm | | |
| NAME: LED Canopy Light | TYPE:YHL-CP2-120 | WEIGHT: |
| SPEC.:MEAN WELL driver | DIM.: 5000K | SERIAL No.:20160901 |
| MFR.: | SUR.:70Ra | 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 | 57 | 45 | 38 | 56 | 45 | 38 | 55 | 44 | 37 | 31 |
| 0.80 | 67 | 55 | 48 | 66 | 55 | 48 | 64 | 54 | 47 | 40 |
| 1.00 | 76 | 65 | 57 | 75 | 64 | 57 | 72 | 65 | 56 | 49 |
| 1.25 | 83 | 73 | 65 | 82 | 72 | 65 | 79 | 70 | 64 | 57 |
| 1.50 | 88 | 78 | 71 | 87 | 77 | 71 | 83 | 76 | 70 | 62 |
| 2.00 | 95 | 87 | 80 | 93 | 86 | 80 | 90 | 83 | 78 | 70 |
| 2.50 | 99 | 91 | 86 | 97 | 90 | 85 | 93 | 87 | 83 | 75 |
| 3.00 | 103 | 96 | 90 | 100 | 94 | 89 | 96 | 91 | 87 | 79 |
| 4.00 | 107 | 101 | 96 | 104 | 99 | 95 | 100 | 96 | 92 | 84 |
| 5.00 | 109 | 104 | 100 | 107 | 102 | 99 | 102 | 99 | 96 | 87 |
| ROOM INDEX | UF(total) | | | | | | | | | Direct |
| According to DIN EN 13032-2 2004 | | | Suspended | | | | SHRNOM = 1.25 | | | |

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:CHEN YU
 Test Date:2016-09-01

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.287
 Humidity:65.0%
 Test Distance:9.410m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

| | | |
|---|------------------|---------------------|
| Test:U:221.3V I:0.5800A P:123.5W PF:0.9619 Lamp Flux:13547.1x1 lm | | |
| NAME: LED Canopy Light | TYPE:YHL-CP2-120 | WEIGHT: |
| SPEC.:MEAN WELL driver | DIM.: 5000K | SERIAL No.:20160901 |
| MFR.: | SUR.:70Ra | PROTECTION ANGLE: |

Conical surface Flux(90deg):

7185.2 lm

%lum = 53.0%

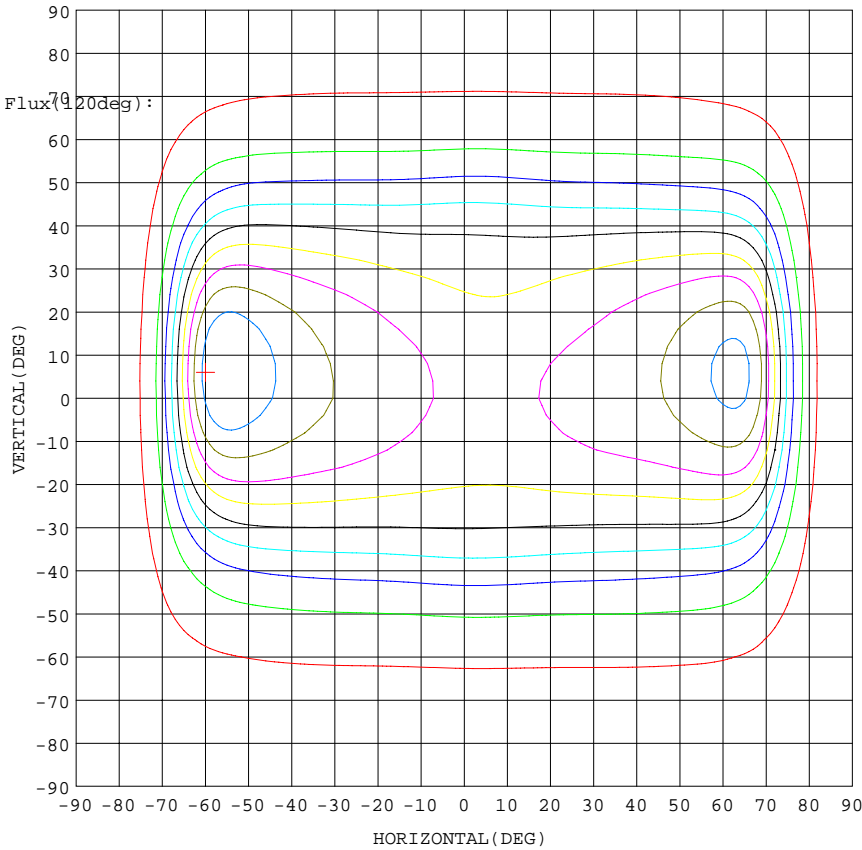
%lamp = 53.0%

Conical surface Flux(70deg):

10862 lm

%lum = 80.2%

%lamp = 80.2%



I_{max}:6267(H-60.0,V6.0)
(At:C=185.0,Gamma=58.0)

UNIT: cd

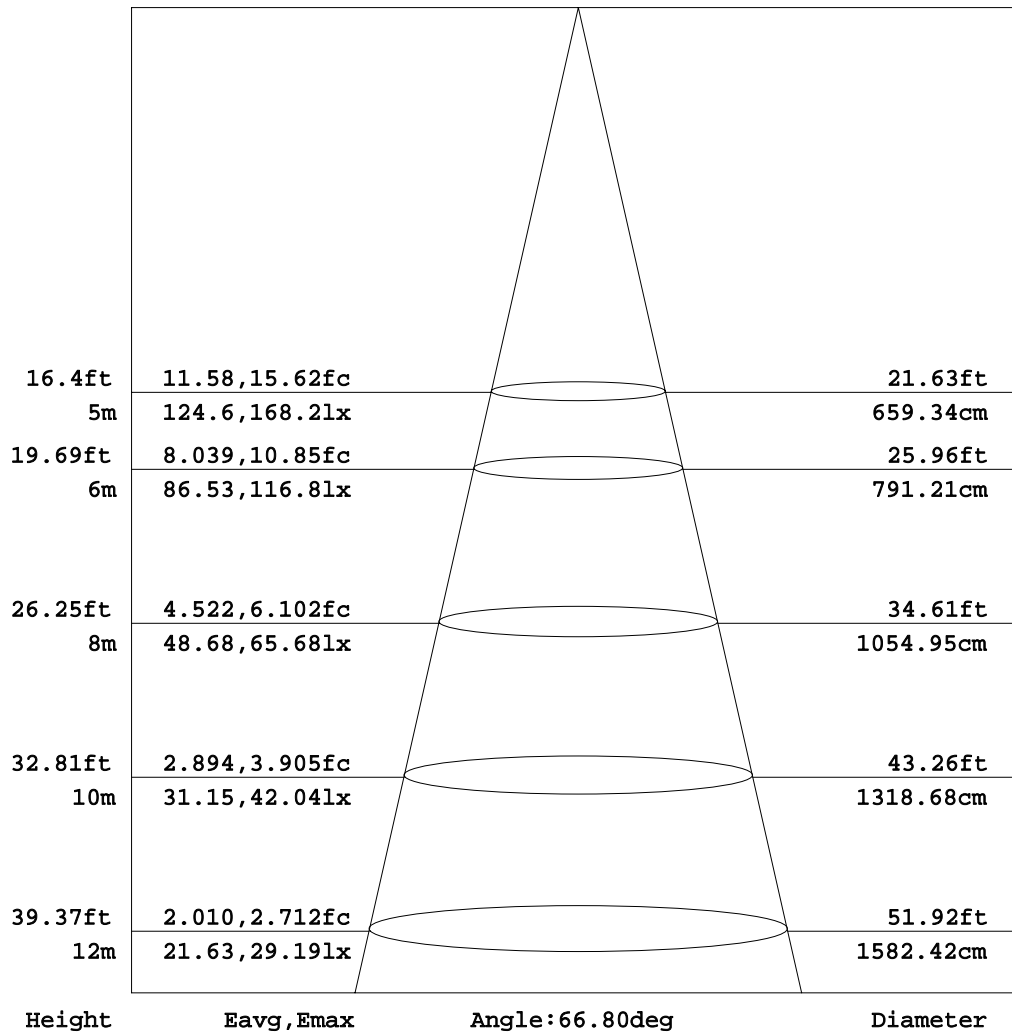
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:CHEN YU
Test Date:2016-09-01

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.287
Humidity:65.0%
Test Distance:9.410m [K=1.0000]
Remarks:

AAI Figure

| | | |
|---|------------------|---------------------|
| Test:U:221.3V I:0.5800A P:123.5W PF:0.9619 Lamp Flux:13547.1x1 lm | | |
| NAME: LED Canopy Light | TYPE:YHL-CP2-120 | WEIGHT: |
| SPEC.:MEAN WELL driver | DIM.: 5000K | SERIAL No.:20160901 |
| MFR.: | SUR.:70Ra | PROTECTION ANGLE: |

Flux out:4288 lm



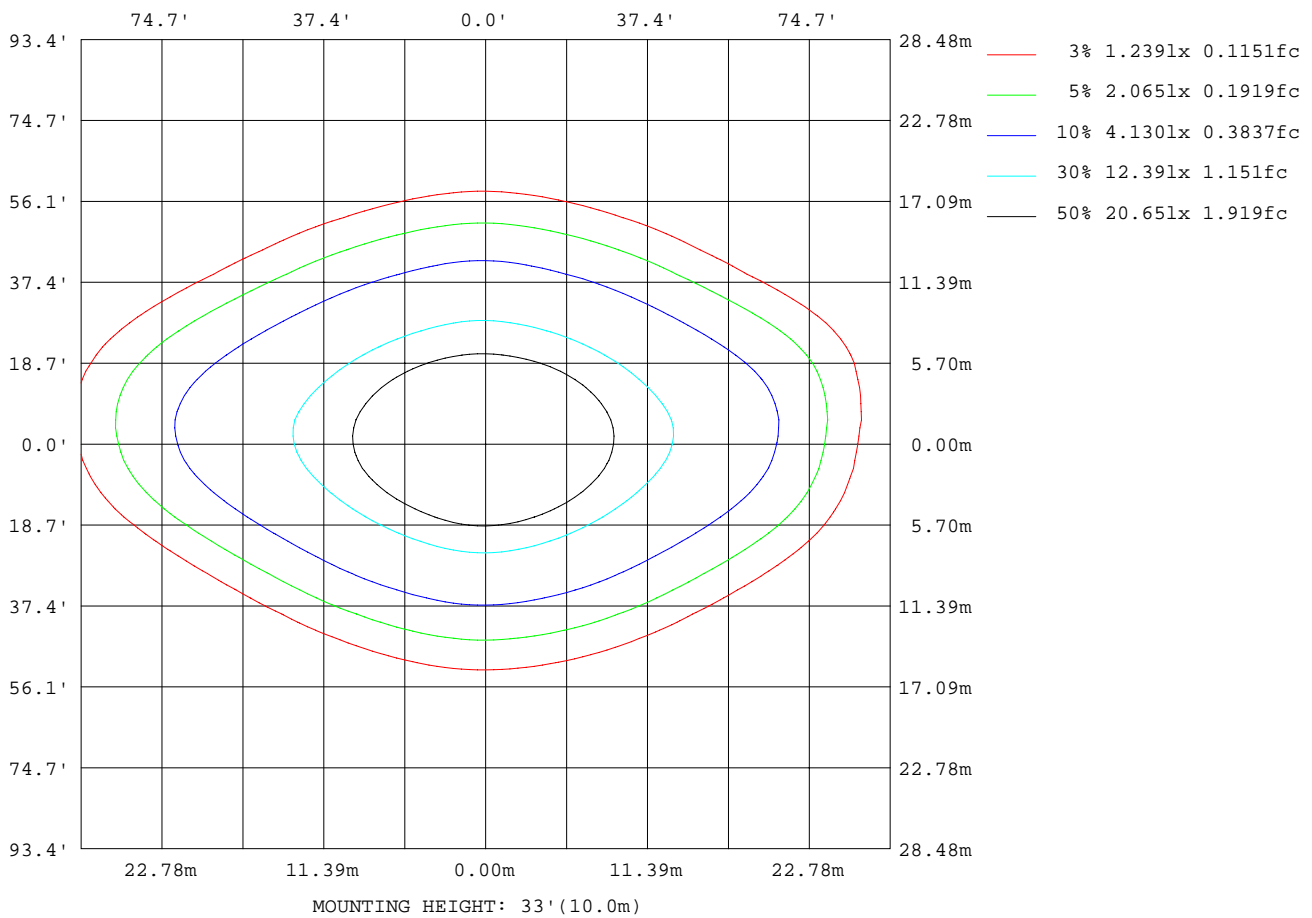
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:CHEN YU
 Test Date:2016-09-01

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.287
 Humidity:65.0%
 Test Distance:9.410m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

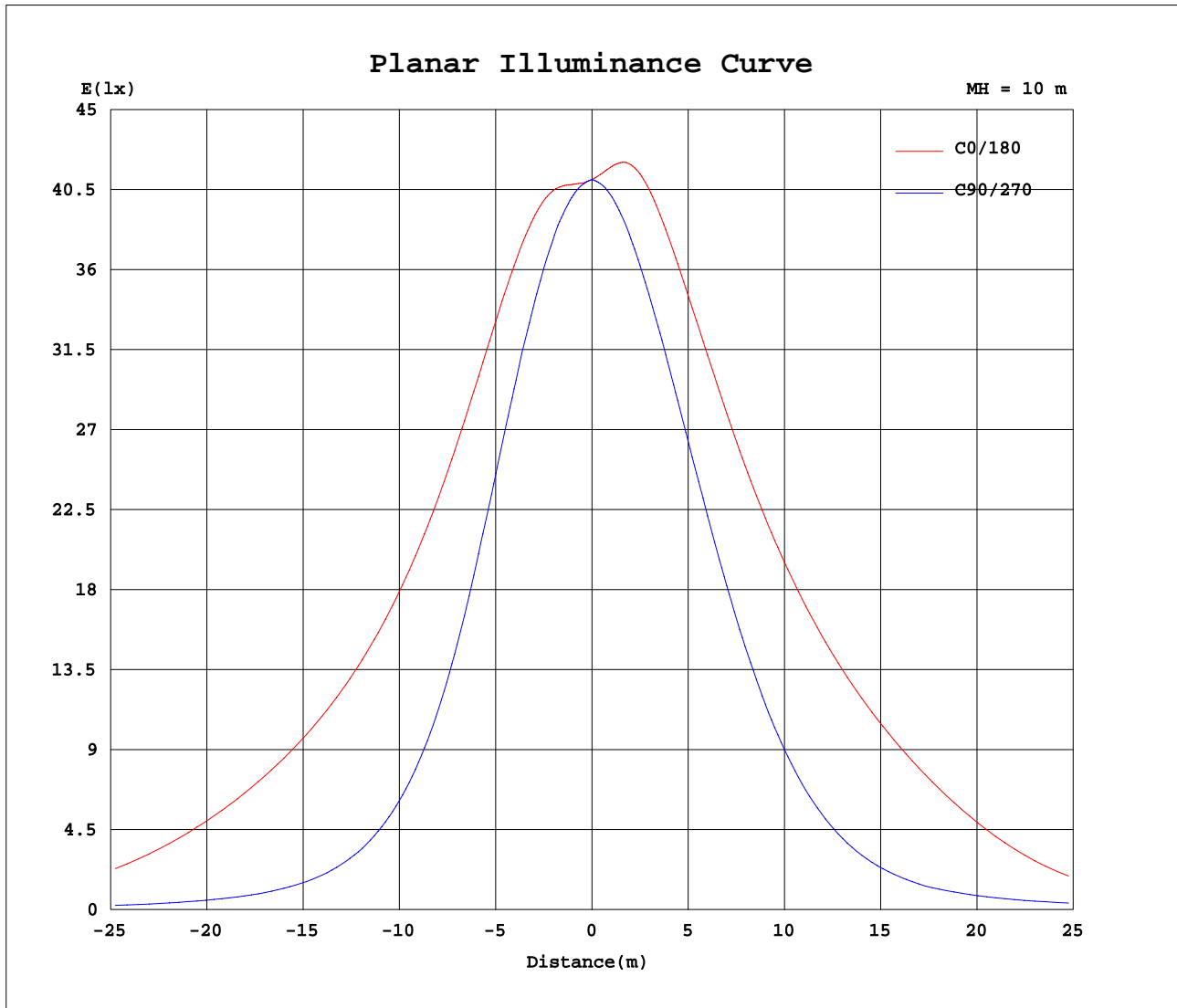
| | | |
|---|------------------|---------------------|
| Test:U:221.3V I:0.5800A P:123.5W PF:0.9619 Lamp Flux:13547.1x1 lm | | |
| NAME: LED Canopy Light | TYPE:YHL-CP2-120 | WEIGHT: |
| SPEC.:MEAN WELL driver | DIM.: 5000K | SERIAL No.:20160901 |
| MFR.: | SUR.:70Ra | PROTECTION ANGLE: |



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:CHEN YU
 Test Date:2016-09-01

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.287
 Humidity:65.0%
 Test Distance:9.410m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25DEG
 Operators: CHEN YU
 Test Date: 2016-09-01

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.287
 Humidity: 65.0%
 Test Distance: 9.410m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|---|------------------|---------------------|
| Test:U:221.3V I:0.5800A P:123.5W PF:0.9619 Lamp Flux:13547.1x1 lm | | |
| NAME: LED Canopy Light | TYPE:YHL-CP2-120 | WEIGHT: |
| SPEC.:MEAN WELL driver | DIM.: 5000K | SERIAL No.:20160901 |
| MFR.: | SUR.:70Ra | PROTECTION ANGLE: |

Table--1

UNIT: cd

| C(DEG) γ (DEG) | 0 | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 | 90 |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0 | 4106 | 4106 | 4106 | 4106 | 4106 | 4106 | 4106 | 4106 | 4106 | 4106 | 4106 | 4106 | 4106 | 4106 | 4106 | 4106 | 4106 | 4106 | 4106 |
| 5 | 4128 | 4125 | 4123 | 4119 | 4116 | 4111 | 4107 | 4102 | 4098 | 4094 | 4090 | 4086 | 4082 | 4078 | 4077 | 4076 | 4076 | 4078 | 4080 |
| 10 | 4252 | 4243 | 4232 | 4219 | 4205 | 4189 | 4170 | 4150 | 4129 | 4108 | 4089 | 4072 | 4057 | 4047 | 4038 | 4031 | 4027 | 4028 | 4030 |
| 15 | 4394 | 4377 | 4358 | 4336 | 4305 | 4270 | 4229 | 4190 | 4151 | 4108 | 4067 | 4031 | 4000 | 3975 | 3954 | 3937 | 3928 | 3923 | 3926 |
| 20 | 4509 | 4487 | 4462 | 4426 | 4377 | 4322 | 4264 | 4194 | 4127 | 4062 | 3999 | 3939 | 3887 | 3846 | 3814 | 3792 | 3778 | 3772 | 3772 |
| 25 | 4600 | 4574 | 4541 | 4486 | 4420 | 4337 | 4243 | 4146 | 4044 | 3945 | 3859 | 3772 | 3695 | 3635 | 3590 | 3555 | 3532 | 3520 | 3518 |
| 30 | 4680 | 4649 | 4601 | 4523 | 4421 | 4298 | 4163 | 4017 | 3878 | 3733 | 3611 | 3497 | 3400 | 3320 | 3259 | 3218 | 3191 | 3178 | 3176 |
| 35 | 4772 | 4727 | 4646 | 4535 | 4375 | 4194 | 4001 | 3793 | 3599 | 3419 | 3257 | 3123 | 3000 | 2901 | 2826 | 2772 | 2735 | 2717 | 2711 |
| 40 | 4889 | 4816 | 4685 | 4501 | 4278 | 4022 | 3743 | 3479 | 3231 | 3014 | 2820 | 2657 | 2524 | 2417 | 2336 | 2280 | 2242 | 2222 | 2214 |
| 45 | 5062 | 4936 | 4731 | 4444 | 4112 | 3754 | 3403 | 3081 | 2791 | 2547 | 2342 | 2170 | 2034 | 1928 | 1848 | 1792 | 1760 | 1742 | 1736 |
| 50 | 5304 | 5094 | 4749 | 4323 | 3858 | 3398 | 2975 | 2608 | 2310 | 2062 | 1869 | 1705 | 1576 | 1481 | 1409 | 1358 | 1325 | 1307 | 1302 |
| 55 | 5586 | 5238 | 4714 | 4104 | 3486 | 2931 | 2463 | 2096 | 1819 | 1600 | 1431 | 1289 | 1184 | 1106 | 1046 | 1003 | 979 | 967 | 963 |
| 60 | 5768 | 5252 | 4494 | 3682 | 2953 | 2356 | 1912 | 1594 | 1364 | 1187 | 1057 | 952 | 873 | 818 | 777 | 748 | 729 | 718 | 714 |
| 65 | 5345 | 4720 | 3839 | 2963 | 2248 | 1739 | 1390 | 1149 | 980 | 856 | 765 | 693 | 650 | 616 | 591 | 573 | 562 | 555 | 553 |
| 70 | 3504 | 3061 | 2495 | 1943 | 1477 | 1160 | 945 | 792 | 677 | 610 | 557 | 517 | 487 | 462 | 443 | 428 | 413 | 401 | 395 |
| 75 | 1484 | 1333 | 1187 | 1000 | 847 | 709 | 599 | 519 | 459 | 416 | 385 | 363 | 346 | 326 | 307 | 289 | 278 | 272 | 269 |
| 80 | 532 | 496 | 474 | 452 | 426 | 379 | 330 | 284 | 243 | 218 | 208 | 208 | 209 | 202 | 190 | 179 | 173 | 169 | 168 |
| 85 | 144 | 76.9 | 137 | 153 | 139 | 103 | 84.4 | 81.3 | 72.7 | 67.9 | 64.2 | 63.2 | 58.5 | 50.3 | 41.0 | 33.3 | 27.9 | 23.3 | 21.3 |
| 90 | 7.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:CHEN YU
 Test Date:2016-09-01

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.287
 Humidity:65.0%
 Test Distance:9.410m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|---|------------------|---------------------|
| Test:U:221.3V I:0.5800A P:123.5W PF:0.9619 Lamp Flux:13547.1x1 lm | | |
| NAME: LED Canopy Light | TYPE:YHL-CP2-120 | WEIGHT: |
| SPEC.:MEAN WELL driver | DIM.: 5000K | SERIAL No.:20160901 |
| MFR.: | SUR.:70Ra | PROTECTION ANGLE: |

Table--2

UNIT: cd

| C(DEG) γ (DEG) | 95 | 100 | 105 | 110 | 115 | 120 | 125 | 130 | 135 | 140 | 145 | 150 | 155 | 160 | 165 | 170 | 175 | 180 | 185 |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0 | 4106 | 4106 | 4106 | 4106 | 4106 | 4106 | 4106 | 4106 | 4106 | 4106 | 4106 | 4106 | 4106 | 4106 | 4106 | 4106 | 4106 | 4106 | 4106 |
| 5 | 4084 | 4088 | 4094 | 4100 | 4107 | 4116 | 4125 | 4135 | 4145 | 4155 | 4164 | 4174 | 4183 | 4192 | 4200 | 4206 | 4212 | 4217 | 4215 |
| 10 | 4038 | 4046 | 4059 | 4075 | 4093 | 4113 | 4137 | 4163 | 4191 | 4220 | 4250 | 4277 | 4303 | 4327 | 4349 | 4368 | 4386 | 4400 | 4398 |
| 15 | 3934 | 3948 | 3968 | 3994 | 4026 | 4062 | 4104 | 4151 | 4202 | 4255 | 4302 | 4349 | 4399 | 4443 | 4481 | 4509 | 4535 | 4559 | 4556 |
| 20 | 3782 | 3798 | 3822 | 3854 | 3895 | 3945 | 4006 | 4074 | 4147 | 4225 | 4305 | 4387 | 4456 | 4517 | 4573 | 4617 | 4649 | 4677 | 4674 |
| 25 | 3528 | 3549 | 3582 | 3623 | 3676 | 3744 | 3828 | 3925 | 4022 | 4133 | 4249 | 4362 | 4473 | 4571 | 4647 | 4711 | 4754 | 4788 | 4783 |
| 30 | 3183 | 3202 | 3235 | 3281 | 3347 | 3434 | 3539 | 3662 | 3800 | 3964 | 4120 | 4289 | 4449 | 4595 | 4716 | 4812 | 4877 | 4923 | 4919 |
| 35 | 2719 | 2742 | 2781 | 2836 | 2914 | 3017 | 3148 | 3295 | 3474 | 3677 | 3897 | 4135 | 4359 | 4573 | 4770 | 4908 | 5013 | 5079 | 5082 |
| 40 | 2222 | 2242 | 2278 | 2335 | 2416 | 2527 | 2667 | 2842 | 3055 | 3296 | 3573 | 3871 | 4193 | 4493 | 4766 | 4998 | 5167 | 5276 | 5288 |
| 45 | 1740 | 1755 | 1784 | 1837 | 1915 | 2021 | 2162 | 2346 | 2565 | 2832 | 3149 | 3510 | 3906 | 4324 | 4722 | 5085 | 5346 | 5526 | 5555 |
| 50 | 1303 | 1317 | 1346 | 1393 | 1460 | 1553 | 1682 | 1849 | 2050 | 2314 | 2635 | 3036 | 3506 | 4033 | 4580 | 5103 | 5533 | 5820 | 5878 |
| 55 | 964 | 974 | 992 | 1030 | 1085 | 1159 | 1259 | 1399 | 1566 | 1790 | 2076 | 2466 | 2969 | 3581 | 4283 | 5004 | 5643 | 6091 | 6176 |
| 60 | 716 | 724 | 740 | 766 | 803 | 852 | 925 | 1024 | 1148 | 1319 | 1543 | 1859 | 2311 | 2925 | 3706 | 4596 | 5451 | 6069 | 6200 |
| 65 | 553 | 558 | 567 | 582 | 606 | 637 | 677 | 741 | 823 | 934 | 1091 | 1314 | 1633 | 2101 | 2759 | 3569 | 4384 | 4994 | 5202 |
| 70 | 397 | 408 | 422 | 437 | 455 | 478 | 506 | 542 | 590 | 648 | 744 | 871 | 1052 | 1307 | 1654 | 2059 | 2382 | 2594 | 2817 |
| 75 | 270 | 274 | 285 | 302 | 319 | 335 | 351 | 372 | 398 | 438 | 492 | 557 | 646 | 758 | 870 | 946 | 974 | 997 | 1087 |
| 80 | 168 | 169 | 173 | 183 | 194 | 200 | 199 | 201 | 212 | 237 | 275 | 319 | 360 | 403 | 441 | 442 | 417 | 407 | 440 |
| 85 | 21.6 | 24.2 | 29.0 | 35.6 | 42.9 | 50.5 | 56.3 | 61.9 | 70.7 | 81.3 | 91.8 | 96.3 | 107 | 124 | 139 | 143 | 88.9 | 109 | 128 |
| 90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.48 | 0.00 |

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:CHEN YU
 Test Date:2016-09-01

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.287
 Humidity:65.0%
 Test Distance:9.410m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|---|------------------|---------------------|
| Test:U:221.3V I:0.5800A P:123.5W PF:0.9619 Lamp Flux:13547.1x1 lm | | |
| NAME: LED Canopy Light | TYPE:YHL-CP2-120 | WEIGHT: |
| SPEC.:MEAN WELL driver | DIM.: 5000K | SERIAL No.:20160901 |
| MFR.: | SUR.:70Ra | PROTECTION ANGLE: |

Table--4

UNIT: cd

| C(DEG) γ (DEG) | 285 | 290 | 295 | 300 | 305 | 310 | 315 | 320 | 325 | 330 | 335 | 340 | 345 | 350 | 355 | | | | |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|--|--|
| 0 | 4106 | 4106 | 4106 | 4106 | 4106 | 4106 | 4106 | 4106 | 4106 | 4106 | 4106 | 4106 | 4106 | 4106 | 4106 | | | | |
| 5 | 4075 | 4076 | 4077 | 4081 | 4085 | 4089 | 4093 | 4097 | 4102 | 4107 | 4112 | 4116 | 4120 | 4123 | 4126 | | | | |
| 10 | 4024 | 4031 | 4042 | 4057 | 4074 | 4095 | 4118 | 4142 | 4165 | 4186 | 4205 | 4220 | 4231 | 4240 | 4247 | | | | |
| 15 | 3952 | 3969 | 3994 | 4024 | 4061 | 4103 | 4149 | 4195 | 4235 | 4275 | 4312 | 4343 | 4367 | 4379 | 4388 | | | | |
| 20 | 3865 | 3888 | 3924 | 3969 | 4024 | 4085 | 4150 | 4213 | 4276 | 4337 | 4386 | 4430 | 4467 | 4490 | 4501 | | | | |
| 25 | 3745 | 3777 | 3822 | 3881 | 3951 | 4033 | 4115 | 4200 | 4283 | 4360 | 4431 | 4492 | 4539 | 4573 | 4589 | | | | |
| 30 | 3582 | 3618 | 3673 | 3747 | 3838 | 3939 | 4044 | 4158 | 4265 | 4370 | 4462 | 4542 | 4605 | 4649 | 4671 | | | | |
| 35 | 3348 | 3389 | 3454 | 3544 | 3658 | 3779 | 3922 | 4072 | 4217 | 4362 | 4489 | 4600 | 4689 | 4742 | 4770 | | | | |
| 40 | 3021 | 3067 | 3141 | 3249 | 3378 | 3532 | 3713 | 3905 | 4112 | 4311 | 4501 | 4657 | 4780 | 4863 | 4899 | | | | |
| 45 | 2589 | 2638 | 2720 | 2840 | 2990 | 3169 | 3388 | 3632 | 3908 | 4180 | 4449 | 4694 | 4893 | 5034 | 5086 | | | | |
| 50 | 2076 | 2125 | 2209 | 2330 | 2489 | 2689 | 2937 | 3220 | 3554 | 3922 | 4300 | 4668 | 4992 | 5231 | 5346 | | | | |
| 55 | 1547 | 1596 | 1674 | 1783 | 1932 | 2127 | 2368 | 2667 | 3039 | 3484 | 3981 | 4509 | 5024 | 5433 | 5638 | | | | |
| 60 | 1108 | 1150 | 1210 | 1292 | 1410 | 1567 | 1764 | 2030 | 2382 | 2851 | 3438 | 4112 | 4838 | 5478 | 5834 | | | | |
| 65 | 834 | 856 | 891 | 938 | 1000 | 1108 | 1243 | 1426 | 1694 | 2093 | 2654 | 3391 | 4234 | 5031 | 5452 | | | | |
| 70 | 662 | 674 | 693 | 720 | 754 | 807 | 879 | 973 | 1138 | 1377 | 1758 | 2315 | 2966 | 3463 | 3651 | | | | |
| 75 | 539 | 546 | 556 | 570 | 589 | 611 | 645 | 692 | 761 | 872 | 1048 | 1291 | 1529 | 1616 | 1574 | | | | |
| 80 | 416 | 433 | 442 | 449 | 455 | 457 | 469 | 487 | 514 | 551 | 604 | 665 | 682 | 642 | 577 | | | | |
| 85 | 195 | 221 | 256 | 290 | 306 | 293 | 286 | 286 | 292 | 300 | 294 | 294 | 270 | 227 | 173 | | | | |
| 90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:CHEN YU
 Test Date:2016-09-01

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.287
 Humidity:65.0%
 Test Distance:9.410m [K=1.0000]
 Remarks: