

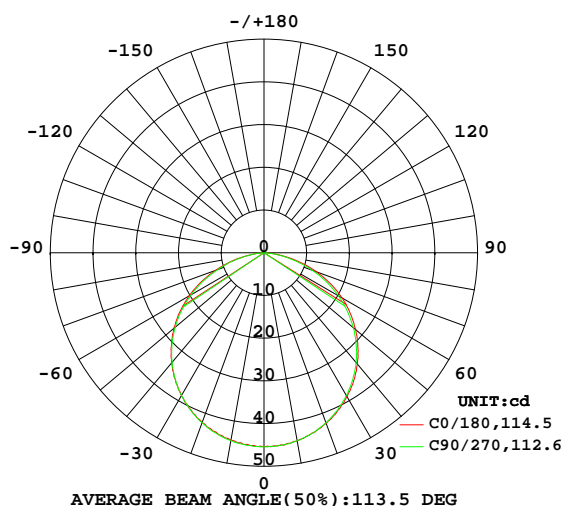
WAC Lighting GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINAIRE PHOTOMETRIC TEST REPORT

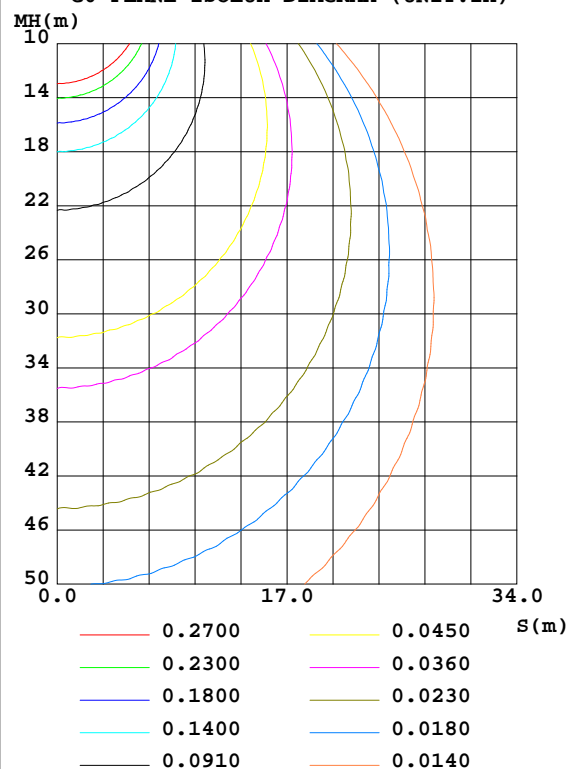
| | | |
|---|----------|------------------|
| Test:U:220.07V I:0.0305A P:5.7837W PF:0.8609 Freq:50.00Hz Lamp Flux:129.36x1 lm | | |
| NAME: WL5105-LD05E-40 | TYPE:砖块灯 | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: WAC Lighting | SUR.: | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 22.37 lm/W | | | |
|------------------|--------|----------------------------------|--------|------------------------|----------|
| MODEL | | Imax(cd) | 45.55 | S/MH(C0/180) | 1.27 |
| NOMINAL POWER(W) | NA | LOR(%) | 100.0 | S/MH(C90/270) | 1.26 |
| RATED VOLTAGE(V) | 220 | TOTAL FLUX(lm) | 129.36 | η UP,DN(C0-180) | 0.0,49.7 |
| NOMINAL FLUX(lm) | 129.36 | CIE CLASS | DIRECT | η UP,DN(C180-360) | 0.0,50.3 |
| LAMPS INSIDE | 1 | η up(%) | 0.0 | CIBSE SHR NOM | 1.25 |
| TEST VOLTAGE(V) | 220 | η down(%) | 100.0 | CIBSE SHR MAX | 1.35 |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:24.8DEG
Operators:Oliver
Test Date:2017-02-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.366
Humidity:58%
Test Distance:2.490m [K=1.0000]
Remarks:

WAC Lighting GONIOPHOTOMETERS SYSTEM TEST REPORT

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | Φ zone | Φ total | %lum |
|----------|-----------------------|--------|--------|--------|--------|--------|--------|--------|----------|-------------|--------------|------|
| 10 | 44.61 | 44.63 | 44.64 | 44.62 | 44.77 | 44.72 | 44.66 | 44.62 | 0- 10 | 4.298 | 4.298 | 3.32 |
| 20 | 42.33 | 42.28 | 42.32 | 42.36 | 42.51 | 42.45 | 42.35 | 42.33 | 10- 20 | 12.33 | 16.63 | 12.9 |
| 30 | 38.67 | 38.56 | 38.59 | 38.67 | 38.94 | 38.78 | 38.53 | 38.61 | 20- 30 | 18.75 | 35.38 | 27.4 |
| 40 | 33.71 | 33.47 | 33.49 | 33.72 | 34.05 | 33.83 | 33.52 | 33.61 | 30- 40 | 22.72 | 58.10 | 44.9 |
| 50 | 27.55 | 27.29 | 27.14 | 27.58 | 28.02 | 27.69 | 27.26 | 27.46 | 40- 50 | 23.68 | 81.78 | 63.2 |
| 60 | 20.28 | 19.92 | 19.68 | 20.31 | 21.09 | 20.66 | 20.07 | 20.36 | 50- 60 | 21.44 | 103.2 | 79.8 |
| 70 | 12.10 | 11.70 | 11.54 | 12.16 | 13.11 | 12.57 | 12.04 | 12.22 | 60- 70 | 16.12 | 119.3 | 92.3 |
| 80 | 4.117 | 3.778 | 3.751 | 4.158 | 4.867 | 4.433 | 4.064 | 4.080 | 70- 80 | 8.554 | 127.9 | 98.9 |
| 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 80- 90 | 1.465 | 129.4 | 100 |
| 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 90-100 | 0 | 129.4 | 100 |
| 110 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100-110 | 0 | 129.4 | 100 |
| 120 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 110-120 | 0 | 129.4 | 100 |
| 130 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 120-130 | 0 | 129.4 | 100 |
| 140 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 130-140 | 0 | 129.4 | 100 |
| 150 | 0 | 0 | 0 | 0 | 0.0000 | 0.0009 | 0.0000 | 0.0030 | 140-150 | 0.0001 | 129.4 | 100 |
| 160 | 0 | 0 | 0 | 0 | 0.0030 | 0.0047 | 0.0035 | 0.0056 | 150-160 | 0.0007 | 129.4 | 100 |
| 170 | 0 | 0 | 0 | 0 | 0.0039 | 0.0060 | 0.0043 | 0.0056 | 160-170 | 0.0007 | 129.4 | 100 |
| 180 | 0.0043 | 0.0035 | 0.0039 | 0.0060 | 0.0048 | 0.0056 | 0.0035 | 0.0060 | 170-180 | 0.0003 | 129.4 | 100 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

Conical surface Flux(90deg): 70.019 lm

%lum = 54.1%

%lamp = 54.1%

Conical surface Flux(120deg): 103.22 lm

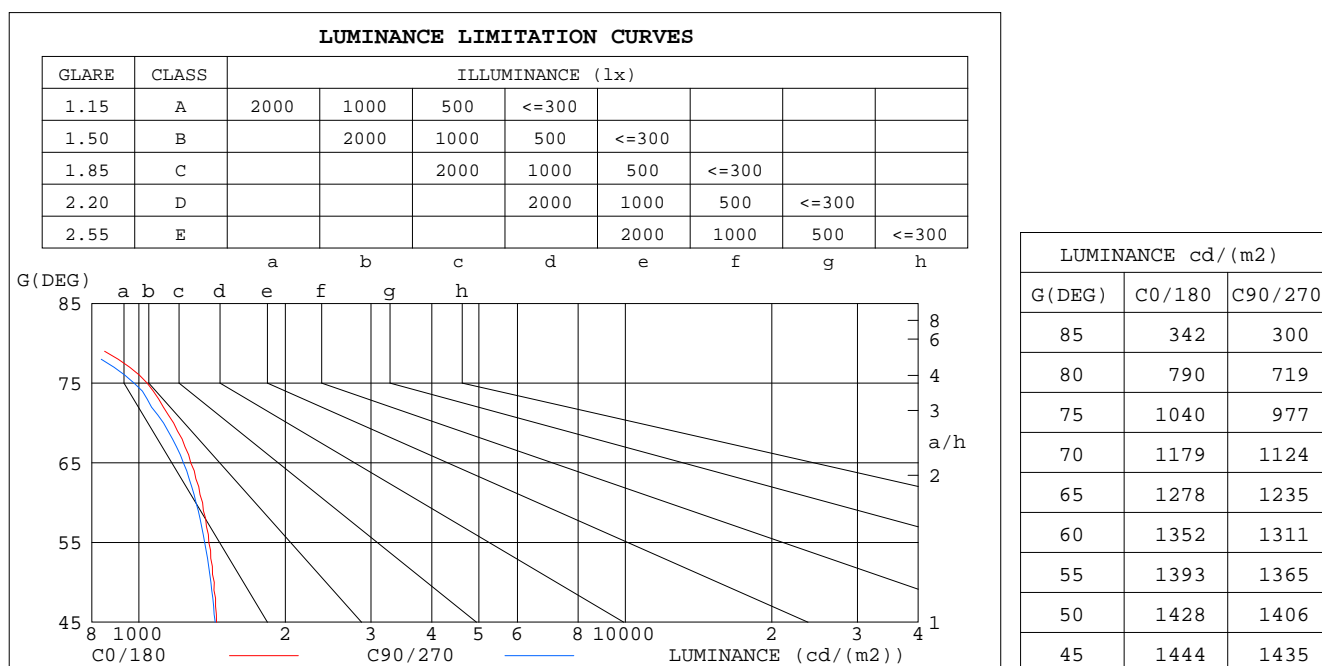
%lum = 79.8%

%lamp = 79.8%

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:24.8DEG
Operators:Oliver
Test Date:2017-02-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.366
Humidity:58%
Test Distance:2.490m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES



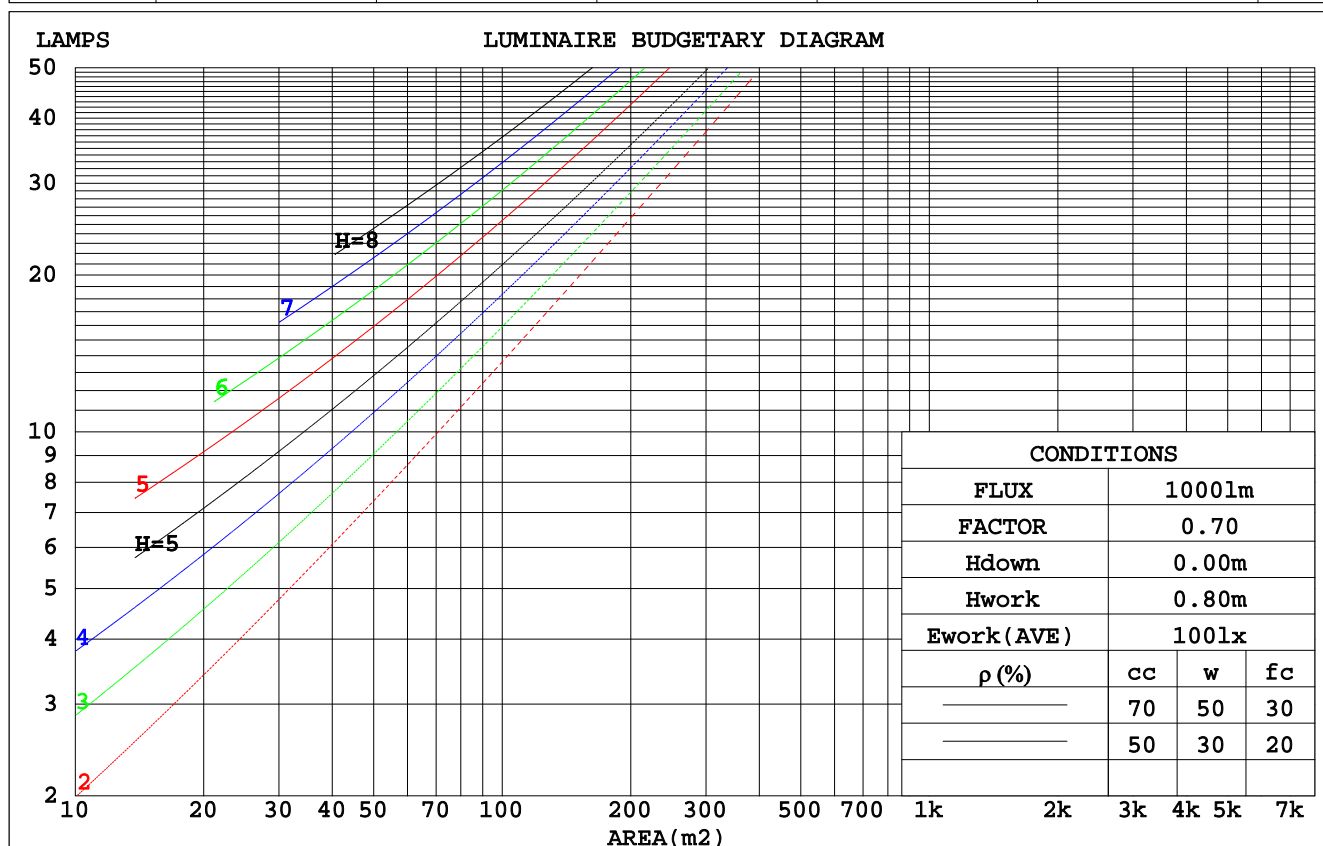
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:24.8DEG
Operators:Oliver
Test Date:2017-02-23

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.366
Humidity:58%
Test Distance:2.490m [K=1.0000]
Remarks:

WAC Lighting GONIOPHOTOMETERS SYSTEM TEST REPORT

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| 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 | | | | | | 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 | .79 | .89 | .83 | .78 | .86 | .80 | .76 | .82 | .78 | .74 | .79 | .76 | .72 | .70 |
| 3.0 | .80 | .72 | .65 | .78 | .71 | .65 | .75 | .69 | .63 | .72 | .67 | .62 | .70 | .65 | .61 | .59 |
| 4.0 | .71 | .62 | .55 | .69 | .61 | .55 | .67 | .60 | .54 | .64 | .58 | .53 | .62 | .57 | .53 | .50 |
| 5.0 | .63 | .54 | .47 | .62 | .53 | .47 | .60 | .52 | .47 | .58 | .51 | .46 | .56 | .50 | .46 | .43 |
| 6.0 | .57 | .48 | .41 | .56 | .47 | .41 | .54 | .46 | .41 | .52 | .46 | .40 | .51 | .45 | .40 | .38 |
| 7.0 | .51 | .43 | .36 | .51 | .42 | .36 | .49 | .42 | .36 | .48 | .41 | .36 | .46 | .40 | .35 | .34 |
| 8.0 | .47 | .38 | .32 | .46 | .38 | .32 | .45 | .37 | .32 | .44 | .37 | .32 | .42 | .36 | .32 | .30 |
| 9.0 | .43 | .35 | .29 | .42 | .35 | .29 | .41 | .34 | .29 | .40 | .34 | .29 | .39 | .33 | .29 | .27 |
| 10.0 | .40 | .32 | .26 | .39 | .32 | .26 | .38 | .31 | .26 | .37 | .31 | .26 | .36 | .30 | .26 | .24 |



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 24.8DEG
 Operators: Oliver
 Test Date: 2017-02-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity: 58%
 Test Distance: 2.490m [K=1.0000]
 Remarks:

WAC Lighting GONIOPHOTOMETERS SYSTEM TEST REPORT

WEC AND CCEC

| 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 | .301 | .171 | .054 | .294 | .168 | .053 | .281 | .161 | .051 | .268 | .155 | .050 | .257 | .149 | .048 | | |
| 2.0 | .287 | .157 | .048 | .281 | .155 | .048 | .269 | .150 | .046 | .258 | .145 | .045 | .248 | .140 | .044 | | |
| 3.0 | .267 | .142 | .043 | .262 | .140 | .042 | .251 | .136 | .041 | .242 | .132 | .041 | .233 | .129 | .040 | | |
| 4.0 | .247 | .129 | .038 | .242 | .127 | .038 | .233 | .124 | .037 | .225 | .121 | .036 | .217 | .118 | .036 | | |
| 5.0 | .229 | .117 | .034 | .225 | .115 | .034 | .217 | .113 | .033 | .209 | .110 | .033 | .202 | .108 | .032 | | |
| 6.0 | .213 | .107 | .031 | .209 | .106 | .030 | .202 | .103 | .030 | .195 | .101 | .030 | .189 | .099 | .029 | | |
| 7.0 | .198 | .098 | .028 | .195 | .097 | .028 | .188 | .095 | .027 | .182 | .093 | .027 | .177 | .092 | .027 | | |
| 8.0 | .185 | .091 | .025 | .182 | .090 | .025 | .176 | .088 | .025 | .171 | .087 | .025 | .166 | .085 | .025 | | |
| 9.0 | .174 | .084 | .023 | .171 | .083 | .023 | .166 | .082 | .023 | .161 | .081 | .023 | .156 | .079 | .023 | | |
| 10.0 | .163 | .078 | .022 | .161 | .078 | .022 | .156 | .077 | .022 | .152 | .075 | .021 | .148 | .074 | .021 | | |

| pcc | 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 | .096 | .068 | .045 | .056 | .040 | .027 | .018 | .013 | .009 | |
| 4.0 | .156 | .101 | .059 | .134 | .087 | .051 | .092 | .061 | .036 | .053 | .036 | .021 | .017 | .012 | .007 | |
| 5.0 | .149 | .091 | .047 | .128 | .078 | .041 | .088 | .055 | .029 | .051 | .032 | .017 | .016 | .010 | .006 | |
| 6.0 | .142 | .082 | .039 | .122 | .071 | .034 | .084 | .050 | .024 | .049 | .029 | .014 | .016 | .010 | .005 | |
| 7.0 | .135 | .075 | .033 | .116 | .065 | .029 | .080 | .046 | .021 | .047 | .027 | .012 | .015 | .009 | .004 | |
| 8.0 | .129 | .069 | .029 | .111 | .060 | .025 | .077 | .042 | .018 | .045 | .025 | .011 | .014 | .008 | .004 | |
| 9.0 | .123 | .065 | .025 | .106 | .056 | .022 | .073 | .039 | .016 | .043 | .023 | .009 | .014 | .008 | .003 | |
| 10.0 | .117 | .060 | .022 | .101 | .052 | .020 | .070 | .037 | .014 | .041 | .022 | .008 | .013 | .007 | .003 | |

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.8DEG
 Operators:Oliver
 Test Date:2017-02-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity:58%
 Test Distance:2.490m [K=1.0000]
 Remarks:

WAC Lighting GONIOPHOTOMETERS SYSTEM TEST REPORT

UGR(Unified Glare Rating) Table

| | | | | | | | | | | |
|--|------------------|------|------|------|------|----------------|------|------|------|------|
| ceiling/cavity | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 |
| walls | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 |
| working plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| Room dimensions | Viewed crosswise | | | | | Viewed endwise | | | | |
| x = 2H y = 2H | 21.2 | 22.7 | 21.4 | 22.9 | 23.1 | 21.1 | 22.6 | 21.3 | 22.8 | 23.0 |
| 3H | 22.6 | 24.0 | 22.9 | 24.2 | 24.5 | 22.4 | 23.8 | 22.7 | 24.1 | 24.3 |
| 4H | 23.1 | 24.5 | 23.4 | 24.7 | 25.0 | 22.9 | 24.2 | 23.2 | 24.5 | 24.8 |
| 6H | 23.4 | 24.7 | 23.8 | 24.9 | 25.2 | 23.2 | 24.4 | 23.5 | 24.7 | 25.0 |
| 8H | 23.5 | 24.7 | 23.8 | 25.0 | 25.2 | 23.2 | 24.4 | 23.5 | 24.7 | 25.0 |
| 12H | 23.4 | 24.6 | 23.8 | 24.9 | 25.2 | 23.2 | 24.3 | 23.5 | 24.6 | 24.9 |
| 4H 2H | 21.8 | 23.1 | 22.1 | 23.3 | 23.6 | 21.7 | 23.0 | 22.0 | 23.2 | 23.5 |
| 3H | 23.4 | 24.5 | 23.7 | 24.8 | 25.1 | 23.2 | 24.4 | 23.5 | 24.7 | 25.0 |
| 4H | 24.0 | 25.0 | 24.4 | 25.4 | 25.7 | 23.8 | 24.8 | 24.2 | 25.2 | 25.5 |
| 6H | 24.4 | 25.3 | 24.8 | 25.7 | 26.0 | 24.1 | 25.1 | 24.5 | 25.4 | 25.8 |
| 8H | 24.4 | 25.3 | 24.9 | 25.7 | 26.1 | 24.2 | 25.1 | 24.6 | 25.4 | 25.8 |
| 12H | 24.4 | 25.2 | 24.9 | 25.6 | 26.0 | 24.2 | 25.0 | 24.6 | 25.4 | 25.8 |
| 8H 4H | 24.2 | 25.0 | 24.6 | 25.4 | 25.8 | 24.0 | 24.9 | 24.4 | 25.2 | 25.6 |
| 6H | 24.7 | 25.4 | 25.1 | 25.8 | 26.2 | 24.4 | 25.2 | 24.9 | 25.6 | 26.0 |
| 8H | 24.8 | 25.4 | 25.2 | 25.8 | 26.3 | 24.5 | 25.2 | 25.0 | 25.6 | 26.0 |
| 12H | 24.8 | 25.3 | 25.3 | 25.8 | 26.3 | 24.6 | 25.1 | 25.0 | 25.5 | 26.0 |
| 12H 4H | 24.2 | 25.0 | 24.6 | 25.3 | 25.8 | 24.0 | 24.8 | 24.4 | 25.2 | 25.6 |
| 6H | 24.7 | 25.3 | 25.1 | 25.7 | 26.2 | 24.5 | 25.1 | 24.9 | 25.5 | 26.0 |
| 8H | 24.8 | 25.3 | 25.3 | 25.8 | 26.3 | 24.6 | 25.1 | 25.0 | 25.6 | 26.0 |
| Variations with the observer position at spacings: | | | | | | | | | | |
| S = 1.0H | + 0.2 / - 0.2 | | | | | + 0.2 / - 0.2 | | | | |
| 1.5H | + 0.2 / - 0.3 | | | | | + 0.2 / - 0.4 | | | | |
| 2.0H | + 0.2 / - 0.3 | | | | | + 0.2 / - 0.3 | | | | |

CIE Pub.117, 129.4 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -7.1)

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:24.8DEG
Operators:Oliver
Test Date:2017-02-23

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.366
Humidity:58%
Test Distance:2.490m [K=1.0000]
Remarks:

WAC Lighting GONIOPHOTOMETERS SYSTEM TEST REPORT

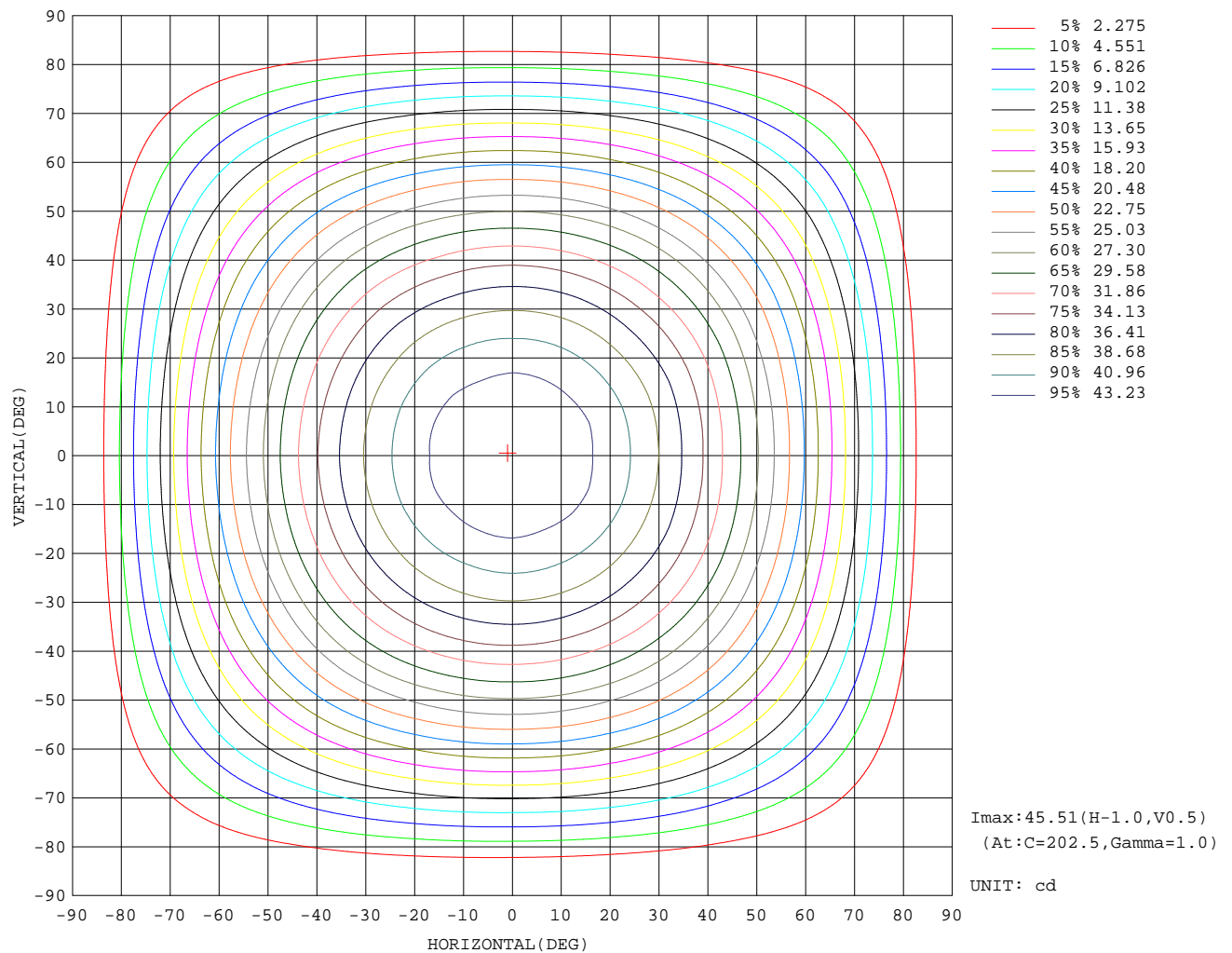
UTILIZATION FACTORS TABLE

| 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 | 58 | 46 | 39 | 57 | 46 | 39 | 56 | 45 | 39 | 32 |
| 0.80 | 68 | 56 | 49 | 67 | 56 | 49 | 65 | 55 | 48 | 41 |
| 1.00 | 76 | 65 | 58 | 75 | 65 | 58 | 73 | 66 | 57 | 50 |
| 1.25 | 83 | 73 | 66 | 82 | 72 | 66 | 79 | 71 | 65 | 57 |
| 1.50 | 88 | 79 | 72 | 87 | 78 | 71 | 84 | 76 | 70 | 63 |
| 2.00 | 95 | 87 | 81 | 94 | 86 | 80 | 90 | 84 | 78 | 71 |
| 2.50 | 99 | 92 | 86 | 97 | 90 | 85 | 93 | 88 | 83 | 75 |
| 3.00 | 103 | 96 | 90 | 100 | 94 | 89 | 96 | 91 | 87 | 79 |
| 4.00 | 107 | 101 | 97 | 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: 22.5DEG
 Test Speed: HIGH
 Temperature: 24.8DEG
 Operators: Oliver
 Test Date: 2017-02-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity: 58%
 Test Distance: 2.490m [K=1.0000]
 Remarks:

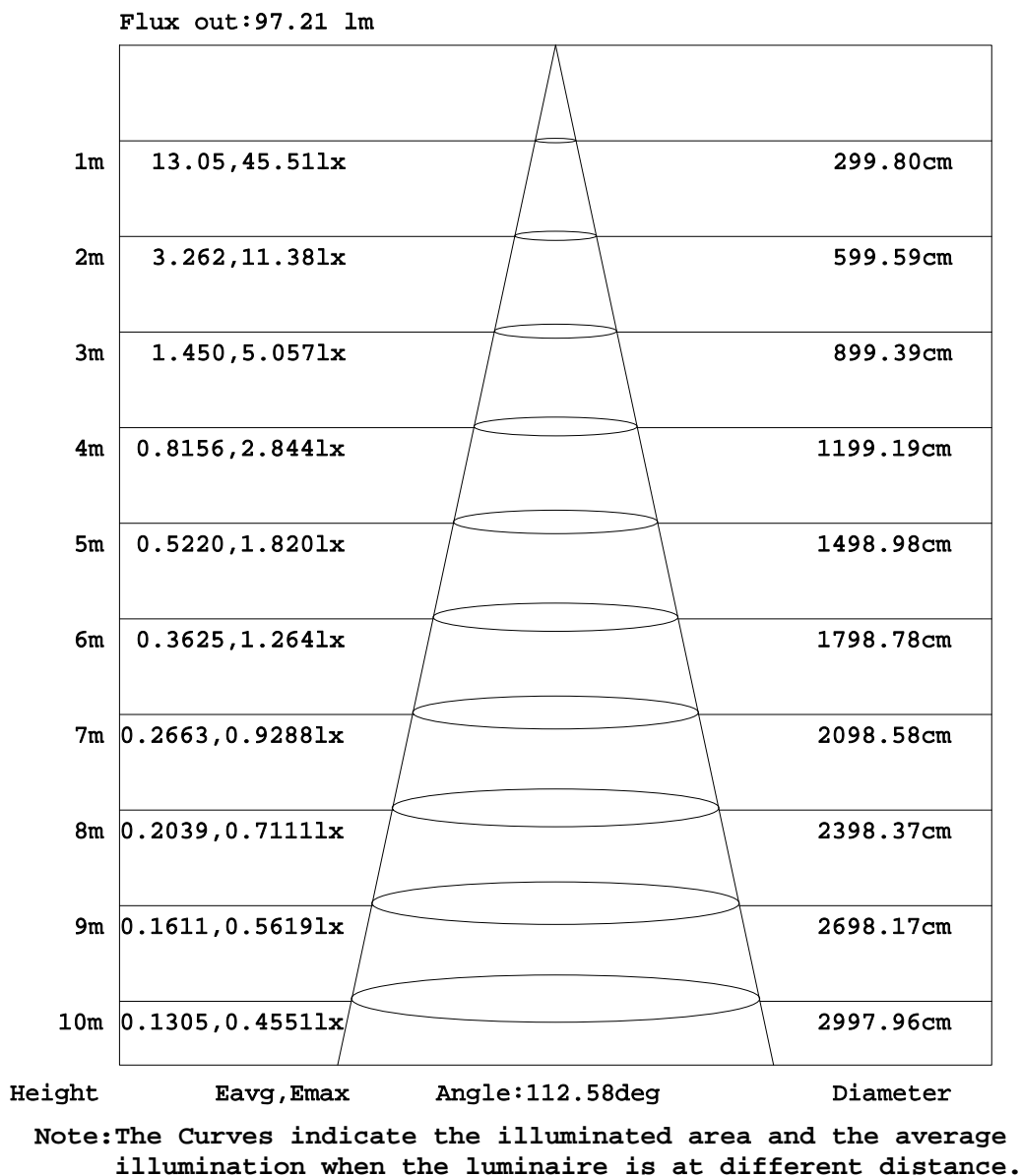
ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.8DEG
Operators: Oliver
Test Date: 2017-02-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.366
Humidity: 58%
Test Distance: 2.490m [K=1.0000]
Remarks:

AAI Figure

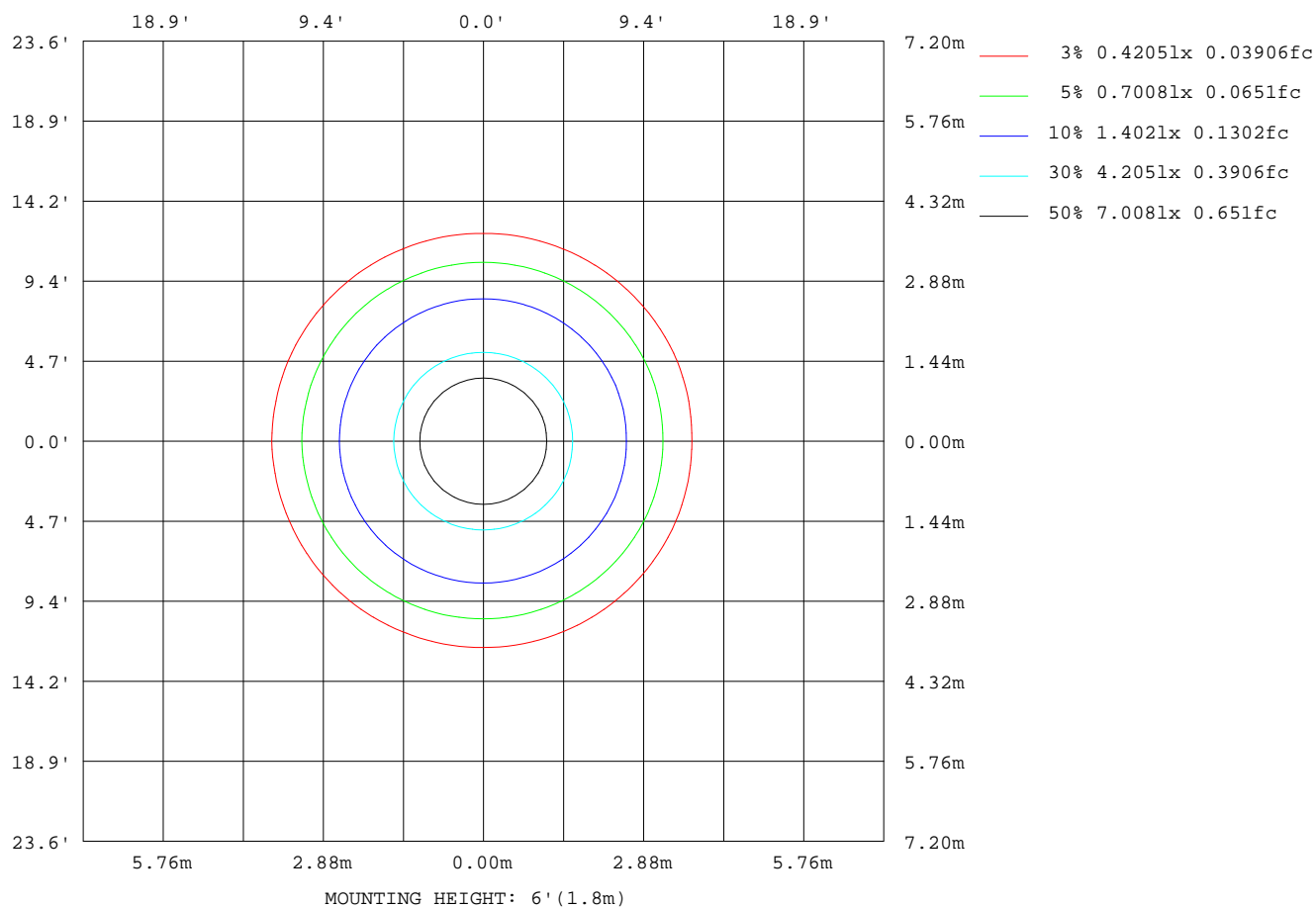


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 24.8DEG
 Operators: Oliver
 Test Date: 2017-02-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity: 58%
 Test Distance: 2.490m [K=1.0000]
 Remarks:

WAC Lighting GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.8DEG
Operators: Oliver
Test Date: 2017-02-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.366
Humidity: 58%
Test Distance: 2.490m [K=1.0000]
Remarks:

WAC Lighting GONIOPHOTOMETERS SYSTEM TEST REPORT

LED Avg.L Report

| | | |
|---|----------|------------------|
| Test:U:220.07V I:0.0305A P:5.7837W PF:0.8609 Freq:50.00Hz Lamp Flux:129.36x1 lm | | |
| NAME: WL5105-LD05E-40 | TYPE:砖块灯 | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: WAC Lighting | SUR.: | Shielding Angle: |

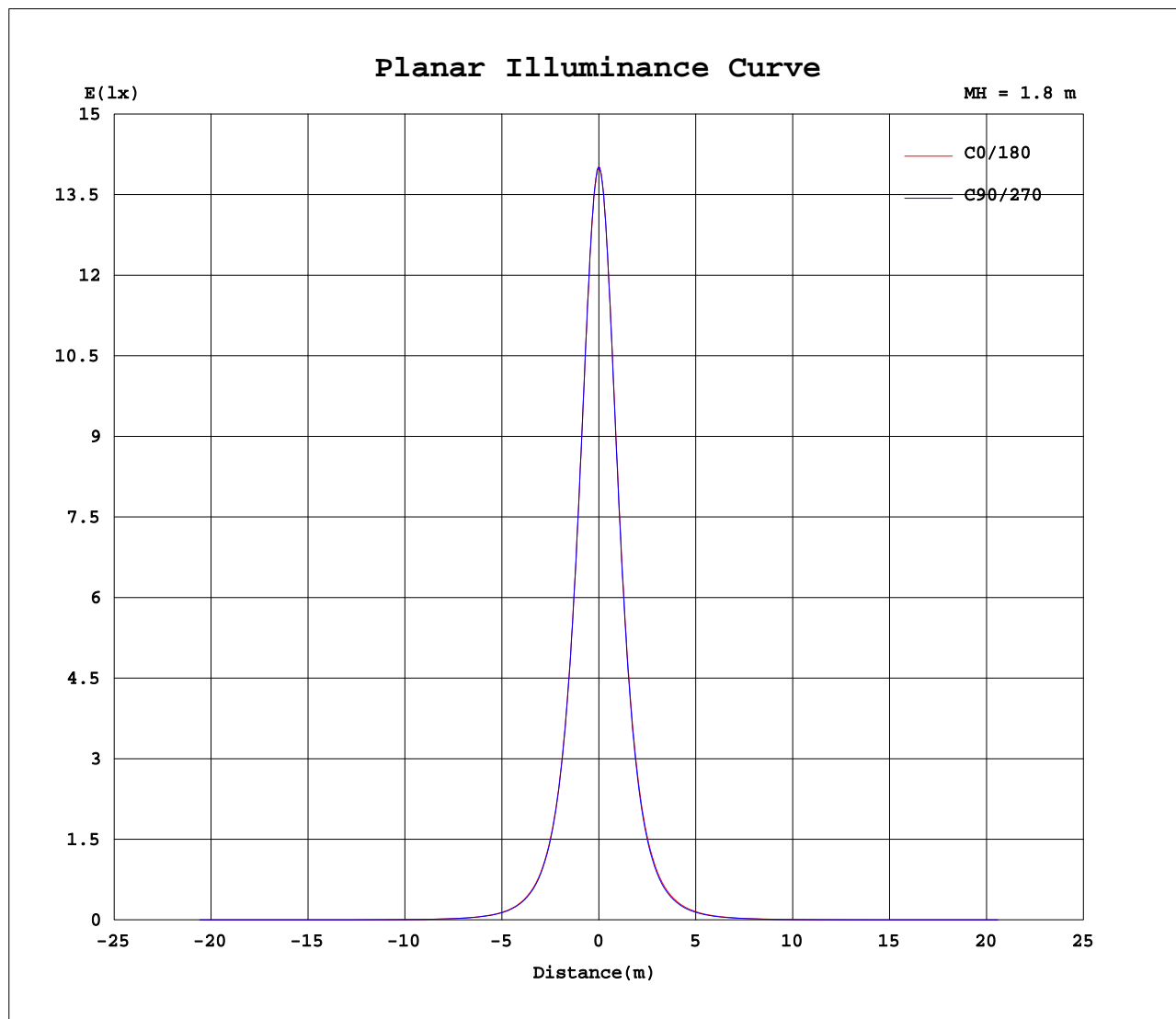
| AvgL | cd/m2 |
|----------------|-------|
| L_0~180(65)av | 1316 |
| L_0~180(75)av | 1093 |
| L_0~180(85)av | 444 |
| L_90~270(65)av | 1255 |
| L_90~270(75)av | 1001 |
| L_90~270(85)av | 321 |
| L_45(65)av | 1287 |
| L_45(75)av | 1040 |
| L_45(85)av | 350 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:24.8DEG
Operators:Oliver
Test Date:2017-02-23

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.366
Humidity:58%
Test Distance:2.490m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.8DEG
Operators: Oliver
Test Date: 2017-02-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.366
Humidity: 58%
Test Distance: 2.490m [K=1.0000]
Remarks:

WAC Lighting GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--1

UNIT: cd

| C(DEG) γ (DEG) | 0 | 22.5 | 45 | 67.5 | 90 | 112.5 | 135 | 157.5 | 180 | 202.5 | 225 | 247.5 | 270 | 292.5 | 315 | 337.5 | | | |
|-------------------|------|------|------|------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|--|--|
| 0 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | | | |
| 5 | 45.0 | 45.3 | 45.2 | 45.1 | 45.3 | 45.3 | 45.0 | 45.3 | 45.1 | 45.3 | 45.3 | 45.1 | 45.3 | 45.3 | 45.1 | 45.3 | | | |
| 10 | 44.6 | 44.7 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.7 | 44.8 | 44.7 | 44.7 | 44.5 | 44.7 | 44.6 | 44.6 | 44.7 | | | |
| 15 | 43.5 | 43.7 | 43.7 | 43.5 | 43.7 | 43.7 | 43.6 | 43.8 | 43.7 | 43.9 | 43.7 | 43.5 | 43.7 | 43.7 | 43.5 | 43.8 | | | |
| 20 | 42.3 | 42.4 | 42.3 | 42.2 | 42.3 | 42.3 | 42.4 | 42.4 | 42.5 | 42.4 | 42.5 | 42.4 | 42.3 | 42.4 | 42.3 | 42.4 | | | |
| 25 | 40.5 | 40.7 | 40.6 | 40.5 | 40.7 | 40.7 | 40.6 | 40.8 | 40.8 | 40.9 | 40.7 | 40.5 | 40.7 | 40.7 | 40.5 | 40.8 | | | |
| 30 | 38.7 | 38.6 | 38.6 | 38.6 | 38.6 | 38.6 | 38.7 | 38.8 | 38.9 | 38.8 | 38.8 | 38.6 | 38.5 | 38.6 | 38.6 | 38.8 | | | |
| 35 | 36.2 | 36.4 | 36.2 | 36.1 | 36.2 | 36.3 | 36.3 | 36.5 | 36.6 | 36.6 | 36.4 | 36.2 | 36.3 | 36.3 | 36.1 | 36.5 | | | |
| 40 | 33.7 | 33.7 | 33.5 | 33.5 | 33.5 | 33.5 | 33.7 | 33.9 | 34.1 | 33.9 | 33.8 | 33.6 | 33.5 | 33.6 | 33.6 | 33.8 | | | |
| 45 | 30.6 | 30.8 | 30.5 | 30.4 | 30.5 | 30.6 | 30.7 | 30.9 | 31.1 | 31.1 | 30.9 | 30.6 | 30.6 | 30.6 | 30.6 | 30.9 | | | |
| 50 | 27.6 | 27.5 | 27.3 | 27.1 | 27.1 | 27.3 | 27.6 | 27.7 | 28.0 | 27.8 | 27.7 | 27.4 | 27.3 | 27.4 | 27.5 | 27.6 | | | |
| 55 | 24.0 | 24.0 | 23.8 | 23.5 | 23.5 | 23.7 | 24.0 | 24.3 | 24.6 | 24.5 | 24.3 | 24.0 | 23.8 | 23.9 | 24.0 | 24.2 | | | |
| 60 | 20.3 | 20.2 | 19.9 | 19.7 | 19.7 | 19.9 | 20.3 | 20.6 | 21.1 | 20.9 | 20.7 | 20.3 | 20.1 | 20.2 | 20.4 | 20.6 | | | |
| 65 | 16.2 | 16.2 | 15.9 | 15.7 | 15.7 | 15.9 | 16.3 | 16.7 | 17.2 | 17.1 | 16.7 | 16.3 | 16.1 | 16.2 | 16.3 | 16.6 | | | |
| 70 | 12.1 | 12.0 | 11.7 | 11.5 | 11.5 | 11.7 | 12.2 | 12.6 | 13.1 | 12.9 | 12.6 | 12.2 | 12.0 | 12.1 | 12.2 | 12.5 | | | |
| 75 | 8.08 | 8.00 | 7.73 | 7.58 | 7.60 | 7.81 | 8.13 | 8.53 | 8.90 | 8.76 | 8.41 | 8.09 | 7.94 | 7.93 | 8.02 | 8.26 | | | |
| 80 | 4.12 | 3.99 | 3.78 | 3.71 | 3.75 | 3.91 | 4.16 | 4.50 | 4.87 | 4.69 | 4.43 | 4.20 | 4.06 | 4.02 | 4.08 | 4.24 | | | |
| 85 | 0.89 | 0.81 | 0.61 | 0.72 | 0.79 | 0.86 | 0.96 | 1.00 | 1.43 | 1.32 | 1.17 | 1.02 | 0.89 | 0.86 | 0.93 | 1.00 | | | |
| 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 | | | |
| 95 | 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 | | | |
| 100 | 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 | | | |
| 105 | 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 | | | |
| 110 | 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 | | | |
| 115 | 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 | | | |
| 120 | 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 | | | |
| 125 | 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 | | | |
| 130 | 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 | | | |
| 135 | 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 | | | |
| 140 | 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 | | | |
| 145 | 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 | | | |
| 150 | 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 | | | |
| 155 | 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 | | | |
| 160 | 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 | 0.01 | 0.00 | | |
| 165 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.01 | 0.01 | | | |
| 170 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | 0.00 | 0.01 | 0.00 | | | |
| 175 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | 0.01 | 0.01 | 0.01 | | | |
| 180 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | | | |

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 24.8DEG
 Operators: Oliver
 Test Date: 2017-02-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity: 58%
 Test Distance: 2.490m [K=1.0000]
 Remarks: