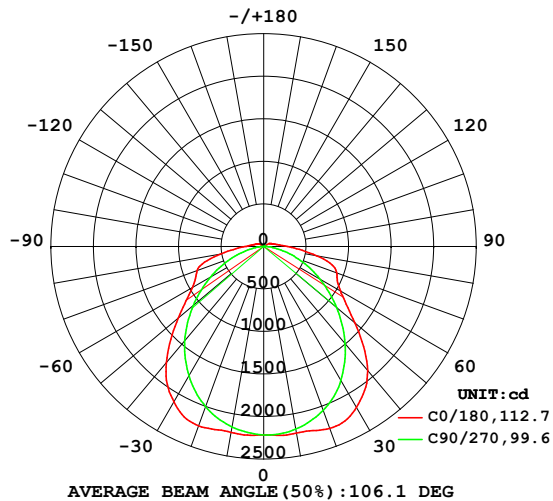


LUMINAIRE PHOTOMETRIC TEST REPORT

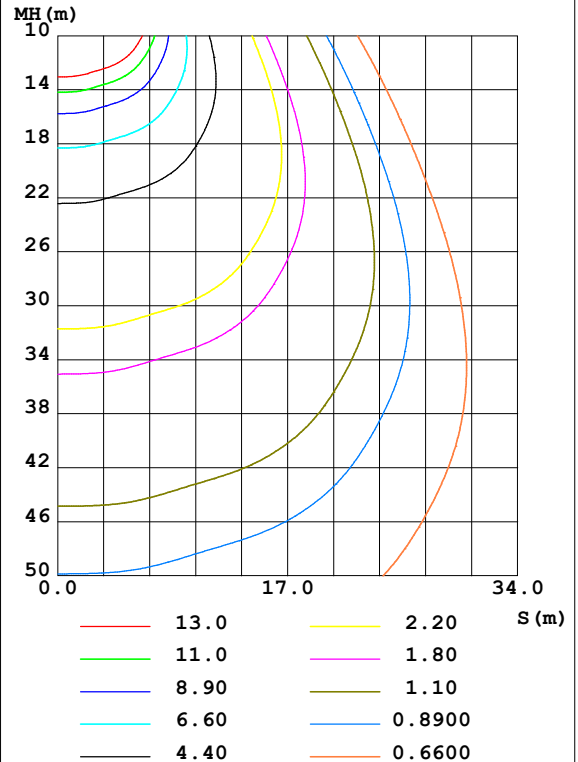
| | | |
|---|-----------------------|------------------|
| Test:U:120.0V I:0.3890A P:46.40W PF:0.9940 Freq:59.98Hz Lamp Flux:7119.2x1 lm | | |
| NAME: LED Waterproof Luminaire | TYPE:AL586443-48W-40K | WEIGHT: |
| SPEC.:48W | DIM.: 1200*102*86mm | SERIAL No.: |
| MFR.: Americanlite | SUR.:1200*102mm | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 153.43 lm/W | | | |
|-------------------|------------------|-----------------------------------|--------|---------------------|-----------|
| MODEL | AL586443-48W-40K | I _{max} (cd) | 2277 | S/MH (C0/180) | 1.38 |
| NOMINAL POWER (W) | 48 | LOR (%) | 100.0 | S/MH (C90/270) | 1.19 |
| RATED VOLTAGE (V) | 120 | TOTAL FLUX (lm) | 7119.2 | η UP, DN (C0-180) | 1.8, 49.2 |
| NOMINAL FLUX (lm) | 7119.2 | CIE CLASS | DIRECT | η UP, DN (C180-360) | 1.7, 47.3 |
| LAMPS INSIDE | 1 | η up (%) | 3.6 | CIBSE SHR NOM | 1.50 |
| TEST VOLTAGE (V) | 120 | η down (%) | 96.4 | CIBSE SHR MAX | 1.55 |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: 01
Test Date: 2022-05-23

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.354
Humidity: 65.0%
Test Distance: 9.137m [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 | 2227 | 2218 | 2180 | 2212 | 2219 | 2192 | 2153 | 2200 | 0- 10 | 211.0 | 211.0 | 2.96,2.96 |
| 20 | 2275 | 2166 | 2049 | 2159 | 2243 | 2122 | 2002 | 2140 | 10- 20 | 615.5 | 826.5 | 11.6,11.6 |
| 30 | 2182 | 2113 | 1816 | 2079 | 2111 | 2028 | 1757 | 2078 | 20- 30 | 968.1 | 1795 | 25.2,25.2 |
| 40 | 1901 | 1919 | 1489 | 1846 | 1780 | 1788 | 1445 | 1871 | 30- 40 | 1190 | 2985 | 41.9,41.9 |
| 50 | 1402 | 1522 | 1121 | 1401 | 1315 | 1333 | 1082 | 1447 | 40- 50 | 1207 | 4192 | 58.9,58.9 |
| 60 | 1042 | 991.5 | 761.2 | 920.4 | 971.1 | 876.4 | 722.9 | 945.4 | 50- 60 | 1017 | 5209 | 73.2,73.2 |
| 70 | 914.6 | 679.7 | 435.8 | 634.4 | 833.7 | 608.9 | 393.6 | 669.6 | 60- 70 | 782.5 | 5991 | 84.2,84.2 |
| 80 | 632.8 | 482.7 | 157.7 | 437.9 | 511.0 | 406.5 | 122.2 | 475.1 | 70- 80 | 572.2 | 6563 | 92.2,92.2 |
| 90 | 280.3 | 257.5 | 8.090 | 212.3 | 220.4 | 193.8 | 6.169 | 241.9 | 80- 90 | 302.4 | 6866 | 96.4,96.4 |
| 100 | 149.9 | 119.7 | 6.264 | 100.2 | 127.0 | 97.23 | 4.663 | 117.7 | 90-100 | 136.6 | 7002 | 98.4,98.4 |
| 110 | 99.64 | 64.54 | 4.867 | 57.40 | 89.14 | 54.49 | 5.748 | 60.05 | 100-110 | 72.16 | 7075 | 99.4,99.4 |
| 120 | 71.44 | 37.32 | 6.065 | 34.14 | 65.04 | 30.36 | 6.802 | 34.17 | 110-120 | 42.89 | 7118 | 100,100 |
| 130 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 120-130 | 1.647 | 7119 | 100,100 |
| 140 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 130-140 | 0 | 7119 | 100,100 |
| 150 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 140-150 | 0 | 7119 | 100,100 |
| 160 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 150-160 | 0 | 7119 | 100,100 |
| 170 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 160-170 | 0 | 7119 | 100,100 |
| 180 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 170-180 | 0 | 7119 | 100,100 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

Conical surface Flux(90deg): 3601.5 lm

%lum = 50.6%

%lamp = 50.6%

Conical surface Flux(120deg): 5208.7 lm

%lum = 73.2%

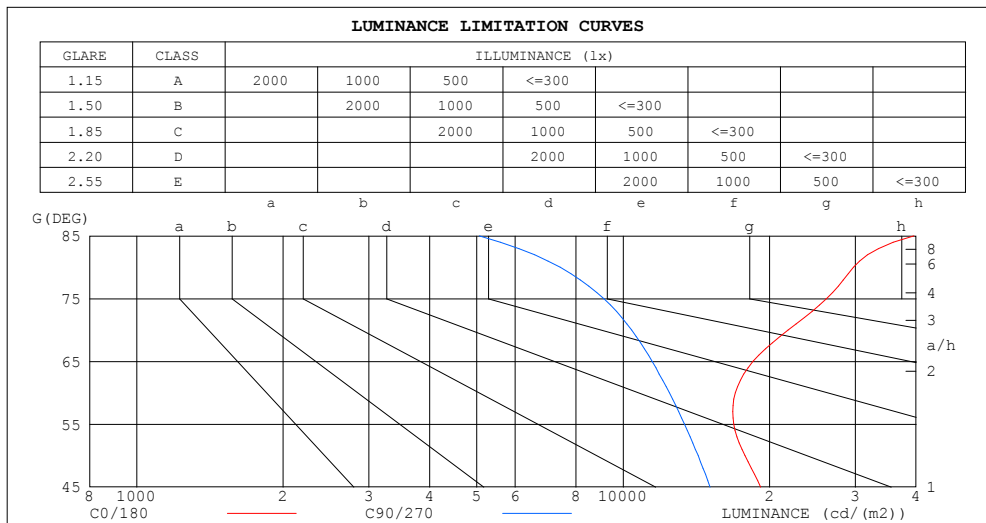
%lamp = 73.2%

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:01
 Test Date:2022-05-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.354
 Humidity:65.0%
 Test Distance:9.137m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

| | | |
|---|-----------------------|------------------|
| Test:U:120.0V I:0.3890A P:46.40W PF:0.9940 Freq:59.98Hz Lamp Flux:7119.2x1 lm | | |
| NAME: LED Waterproof Luminaire | TYPE:AL586443-48W-40K | WEIGHT: |
| SPEC.:48W | DIM.: 1200*102*86mm | SERIAL No.: |
| MFR.: Americanlite | SUR.:1200*102mm | Shielding Angle: |



| LUMINANCE cd/(m2) | | |
|-------------------|--------|---------|
| G (DEG) | C0/180 | C90/270 |
| 85 | 39587 | 5064 |
| 80 | 29744 | 7425 |
| 75 | 26190 | 9122 |
| 70 | 21825 | 10414 |
| 65 | 18490 | 11473 |
| 60 | 17011 | 12444 |
| 55 | 16882 | 13369 |
| 50 | 17798 | 14255 |
| 45 | 19182 | 15097 |

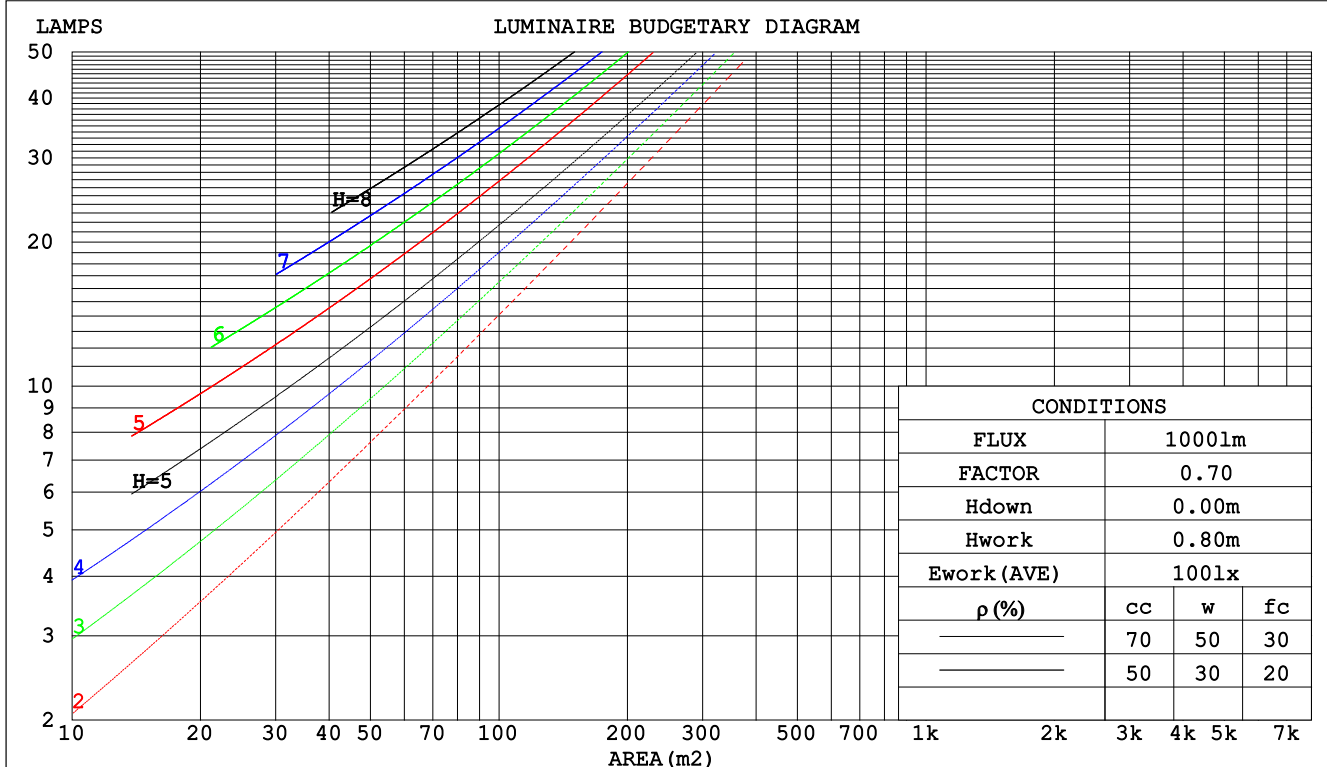
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:01
Test Date:2022-05-23

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.354
Humidity:65.0%
Test Distance:9.137m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|---|-----------------------|------------------|
| Test:U:120.0V I:0.3890A P:46.40W PF:0.9940 Freq:59.98Hz Lamp Flux:7119.2x1 lm | | |
| NAME: LED Waterproof Luminaire | TYPE:AL586443-48W-40K | WEIGHT: |
| SPEC.:48W | DIM.: 1200*102*86mm | SERIAL No.: |
| MFR.: Americanlite | SUR.:1200*102mm | Shielding Angle: |

| pcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|-----------------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|-----|-----|-----|-----|
| p _w | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| p _{fc} | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Coefficients of Utilization(CU) | | | | | | | | | |
| 0.0 | 1.18 | 1.18 | 1.18 | 1.15 | 1.15 | 1.15 | 1.09 | 1.09 | 1.09 | 1.04 | 1.04 | 1.04 | .99 | .99 | .99 | .96 |
| 1.0 | 1.02 | .97 | .93 | .99 | .95 | .91 | .94 | .91 | .87 | .89 | .87 | .84 | .85 | .83 | .81 | .78 |
| 2.0 | .88 | .81 | .75 | .86 | .79 | .74 | .82 | .76 | .71 | .78 | .73 | .69 | .74 | .71 | .67 | .65 |
| 3.0 | .77 | .69 | .62 | .75 | .68 | .61 | .72 | .65 | .60 | .69 | .63 | .58 | .66 | .61 | .57 | .54 |
| 4.0 | .68 | .59 | .53 | .67 | .58 | .52 | .64 | .57 | .51 | .61 | .55 | .50 | .59 | .53 | .49 | .46 |
| 5.0 | .61 | .52 | .45 | .60 | .51 | .45 | .57 | .50 | .44 | .55 | .48 | .43 | .53 | .47 | .42 | .40 |
| 6.0 | .55 | .46 | .39 | .54 | .45 | .39 | .52 | .44 | .38 | .50 | .43 | .38 | .48 | .42 | .37 | .35 |
| 7.0 | .50 | .41 | .35 | .49 | .40 | .34 | .47 | .39 | .34 | .45 | .38 | .33 | .44 | .38 | .33 | .31 |
| 8.0 | .45 | .37 | .31 | .45 | .36 | .31 | .43 | .36 | .30 | .41 | .35 | .30 | .40 | .34 | .30 | .28 |
| 9.0 | .42 | .33 | .28 | .41 | .33 | .28 | .40 | .32 | .27 | .38 | .32 | .27 | .37 | .31 | .27 | .25 |
| 10.0 | .38 | .30 | .25 | .38 | .30 | .25 | .37 | .30 | .25 | .35 | .29 | .24 | .34 | .28 | .24 | .22 |



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:01
Test Date:2022-05-23

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.354
Humidity:65.0%
Test Distance:9.137m [K=1.0000]
Remarks:

WEC AND CCEC

| | | |
|---|-----------------------|------------------|
| Test:U:120.0V I:0.3890A P:46.40W PF:0.9940 Freq:59.98Hz Lamp Flux:7119.2x1 lm | | |
| NAME: LED Waterproof Luminaire | TYPE:AL586443-48W-40K | WEIGHT: |
| SPEC.:48W | DIM.: 1200*102*86mm | SERIAL No.: |
| MFR.: Americanlite | SUR.:1200*102mm | Shielding 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 | .337 | .192 | .061 | .329 | .187 | .060 | .313 | .180 | .057 | .299 | .172 | .055 | .286 | .166 | .053 | | |
| 2.0 | .305 | .167 | .051 | .298 | .164 | .051 | .284 | .158 | .049 | .272 | .152 | .048 | .260 | .147 | .046 | | |
| 3.0 | .278 | .148 | .044 | .271 | .145 | .044 | .259 | .140 | .043 | .248 | .136 | .042 | .237 | .131 | .041 | | |
| 4.0 | .254 | .132 | .039 | .248 | .130 | .038 | .237 | .126 | .038 | .227 | .122 | .037 | .218 | .118 | .036 | | |
| 5.0 | .233 | .119 | .034 | .228 | .117 | .034 | .218 | .114 | .033 | .209 | .110 | .033 | .201 | .107 | .032 | | |
| 6.0 | .216 | .108 | .031 | .211 | .107 | .031 | .202 | .104 | .030 | .194 | .101 | .030 | .186 | .098 | .029 | | |
| 7.0 | .200 | .099 | .028 | .196 | .098 | .028 | .188 | .095 | .027 | .181 | .093 | .027 | .174 | .090 | .027 | | |
| 8.0 | .187 | .091 | .026 | .183 | .090 | .025 | .176 | .088 | .025 | .169 | .086 | .025 | .163 | .084 | .024 | | |
| 9.0 | .175 | .084 | .024 | .171 | .083 | .023 | .165 | .082 | .023 | .159 | .080 | .023 | .153 | .078 | .022 | | |
| 10.0 | .164 | .079 | .022 | .161 | .078 | .022 | .155 | .076 | .021 | .150 | .074 | .021 | .144 | .073 | .021 | | |

| 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 | .218 | .218 | .218 | .186 | .186 | .186 | .127 | .127 | .127 | .073 | .073 | .073 | .023 | .023 | .023 | |
| 1.0 | .210 | .183 | .160 | .179 | .157 | .137 | .123 | .108 | .095 | .071 | .063 | .055 | .023 | .020 | .018 | |
| 2.0 | .202 | .159 | .124 | .173 | .137 | .107 | .118 | .095 | .075 | .068 | .055 | .044 | .022 | .018 | .014 | |
| 3.0 | .194 | .142 | .101 | .166 | .123 | .087 | .114 | .085 | .061 | .066 | .050 | .036 | .021 | .016 | .012 | |
| 4.0 | .186 | .129 | .085 | .159 | .111 | .074 | .110 | .078 | .052 | .063 | .045 | .031 | .020 | .015 | .010 | |
| 5.0 | .178 | .119 | .075 | .153 | .103 | .065 | .105 | .072 | .046 | .061 | .042 | .027 | .020 | .014 | .009 | |
| 6.0 | .171 | .110 | .067 | .147 | .096 | .058 | .101 | .067 | .041 | .059 | .039 | .024 | .019 | .013 | .008 | |
| 7.0 | .164 | .103 | .061 | .141 | .090 | .053 | .097 | .063 | .038 | .057 | .037 | .022 | .018 | .012 | .007 | |
| 8.0 | .157 | .098 | .057 | .136 | .085 | .049 | .094 | .059 | .035 | .055 | .035 | .021 | .018 | .012 | .007 | |
| 9.0 | .151 | .093 | .053 | .130 | .081 | .046 | .090 | .057 | .033 | .053 | .033 | .020 | .017 | .011 | .007 | |
| 10.0 | .146 | .089 | .051 | .125 | .077 | .044 | .087 | .054 | .031 | .051 | .032 | .019 | .016 | .011 | .006 | |

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:01
Test Date:2022-05-23

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.354
Humidity:65.0%
Test Distance:9.137m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

| | | | | | | | | | | |
|---|------------------|------|------|------|-----------------------|----------------|------|------------------|------|------|
| Test:U:120.0V I:0.3890A P:46.40W PF:0.9940 Freq:59.98Hz Lamp Flux:7119.2x1 lm | | | | | | | | | | |
| NAME: LED Waterproof Luminaire | | | | | TYPE:AL586443-48W-40K | | | WEIGHT: | | |
| SPEC.:48W | | | | | DIM.: 1200*102*86mm | | | SERIAL No.: | | |
| MFR.: Americanlite | | | | | SUR.:1200*102mm | | | Shielding 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 | 15.9 | 17.4 | 16.2 | 17.7 | 17.9 | 15.3 | 16.7 | 15.6 | 17.0 | 17.3 |
| 3H | 18.1 | 19.5 | 18.4 | 19.8 | 20.1 | 16.4 | 17.8 | 16.7 | 18.1 | 18.4 |
| 4H | 19.4 | 20.7 | 19.8 | 21.0 | 21.4 | 16.8 | 18.1 | 17.2 | 18.4 | 18.8 |
| 6H | 20.7 | 21.9 | 21.1 | 22.2 | 22.6 | 17.1 | 18.3 | 17.4 | 18.6 | 19.0 |
| 8H | 21.2 | 22.4 | 21.6 | 22.8 | 23.1 | 17.1 | 18.3 | 17.5 | 18.7 | 19.0 |
| 12H | 21.7 | 22.9 | 22.1 | 23.2 | 23.6 | 17.1 | 18.3 | 17.5 | 18.6 | 19.0 |
| 4H 2H | 16.4 | 17.8 | 16.8 | 18.1 | 18.4 | 15.9 | 17.2 | 16.3 | 17.6 | 17.9 |
| 3H | 18.9 | 20.0 | 19.3 | 20.4 | 20.8 | 17.4 | 18.5 | 17.8 | 18.9 | 19.3 |
| 4H | 20.4 | 21.5 | 20.8 | 21.9 | 22.3 | 17.9 | 19.0 | 18.4 | 19.4 | 19.8 |
| 6H | 21.9 | 22.9 | 22.4 | 23.3 | 23.7 | 18.4 | 19.3 | 18.8 | 19.7 | 20.2 |
| 8H | 22.6 | 23.4 | 23.0 | 23.9 | 24.3 | 18.5 | 19.4 | 19.0 | 19.8 | 20.3 |
| 12H | 23.2 | 24.0 | 23.7 | 24.5 | 24.9 | 18.6 | 19.4 | 19.0 | 19.8 | 20.3 |
| 8H 4H | 20.7 | 21.6 | 21.2 | 22.0 | 22.5 | 18.6 | 19.5 | 19.1 | 19.9 | 20.4 |
| 6H | 22.5 | 23.2 | 23.0 | 23.7 | 24.2 | 19.3 | 20.1 | 19.8 | 20.5 | 21.1 |
| 8H | 23.4 | 24.0 | 23.9 | 24.5 | 25.0 | 19.6 | 20.3 | 20.1 | 20.8 | 21.3 |
| 12H | 24.2 | 24.8 | 24.7 | 25.3 | 25.8 | 19.8 | 20.4 | 20.3 | 20.9 | 21.4 |
| 12H 4H | 20.7 | 21.5 | 21.2 | 22.0 | 22.5 | 18.8 | 19.7 | 19.3 | 20.1 | 20.6 |
| 6H | 22.6 | 23.3 | 23.1 | 23.7 | 24.3 | 19.7 | 20.4 | 20.2 | 20.9 | 21.4 |
| 8H | 23.5 | 24.1 | 24.1 | 24.6 | 25.2 | 20.1 | 20.7 | 20.7 | 21.2 | 21.8 |
| Variations with the observer position at spacings: | | | | | | | | | | |
| S = 1.0H | + 0.1 / - 0.1 | | | | | + 0.2 / - 0.3 | | | | |
| 1.5H | + 0.1 / - 0.2 | | | | | + 0.3 / - 0.5 | | | | |
| 2.0H | + 0.1 / - 0.2 | | | | | + 0.3 / - 0.6 | | | | |

CIE Pub.117, 7119 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 6.8$)

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:01
Test Date:2022-05-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.354
Humidity:65.0%
Test Distance:9.137m [K=1.0000]
Remarks:

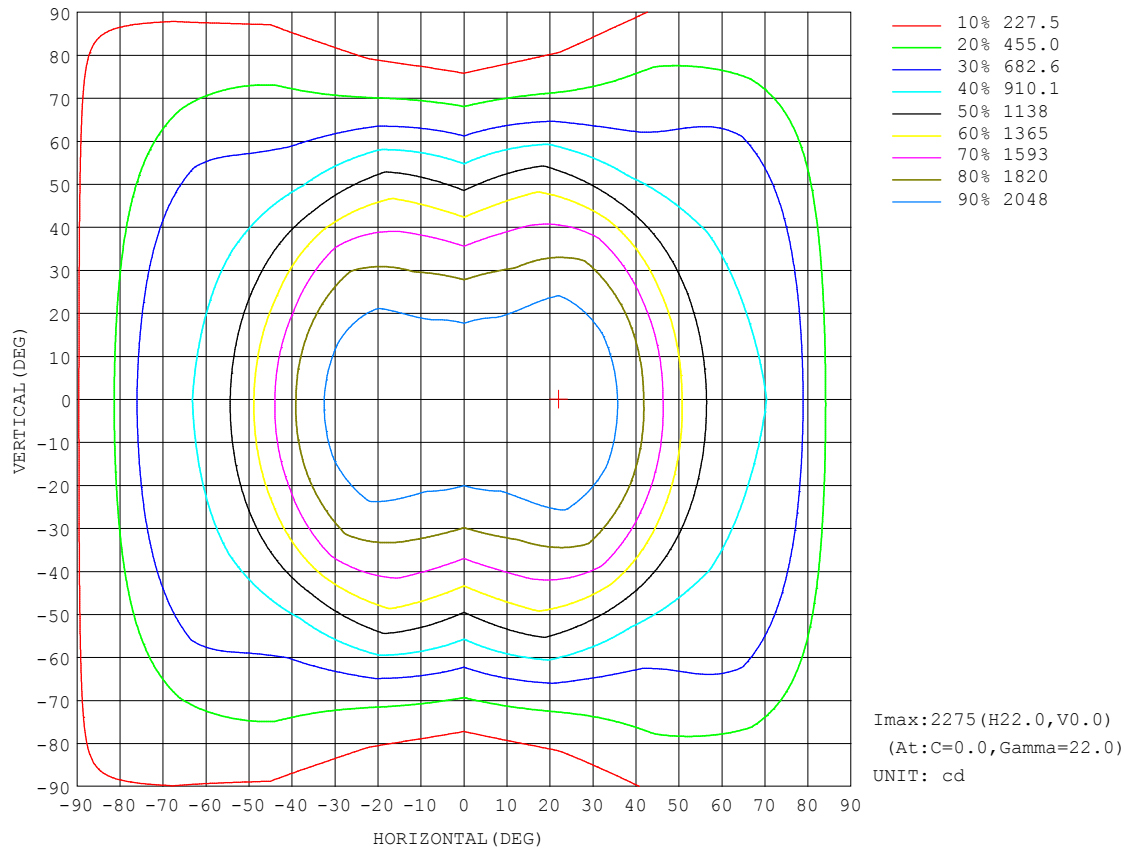
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γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.354
Humidity:65.0%
Test Distance:9.137m [K=1.0000]
Remarks:

```

ISOCANDELA DIAGRAM

| | | |
|---|-----------------------|------------------|
| Test:U:120.0V I:0.3890A P:46.40W PF:0.9940 Freq:59.98Hz Lamp Flux:7119.2x1 lm | | |
| NAME: LED Waterproof Luminaire | TYPE:AL586443-48W-40K | WEIGHT: |
| SPEC.:48W | DIM.: 1200*102*86mm | SERIAL No.: |
| MFR.: Americanlite | SUR.:1200*102mm | Shielding Angle: |

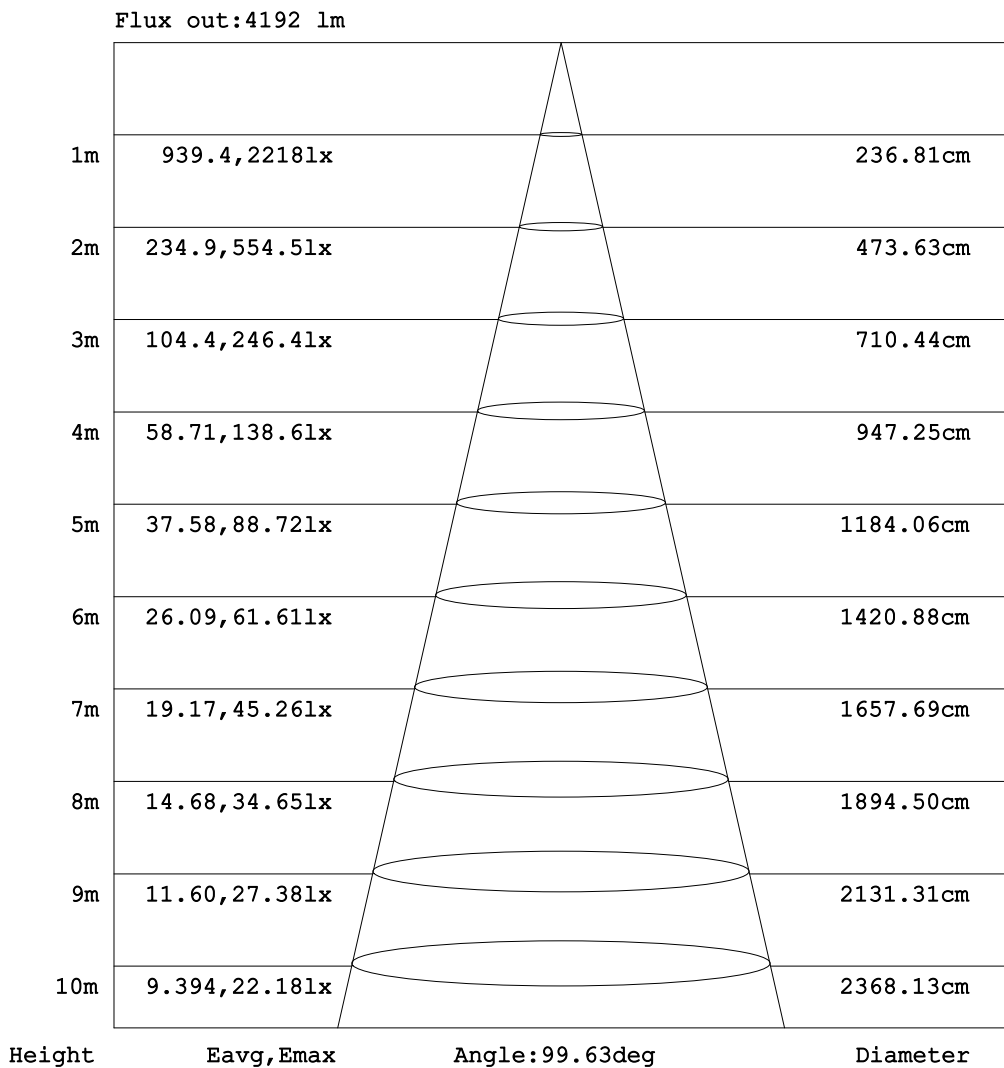


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:01
Test Date:2022-05-23

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.354
Humidity:65.0%
Test Distance:9.137m [K=1.0000]
Remarks:

AAI Figure

| | | |
|---|-----------------------|------------------|
| Test:U:120.0V I:0.3890A P:46.40W PF:0.9940 Freq:59.98Hz Lamp Flux:7119.2x1 lm | | |
| NAME: LED Waterproof Luminaire | TYPE:AL586443-48W-40K | WEIGHT: |
| SPEC.:48W | DIM.: 1200*102*86mm | SERIAL No.: |
| MFR.: Americanlite | SUR.:1200*102mm | Shielding Angle: |



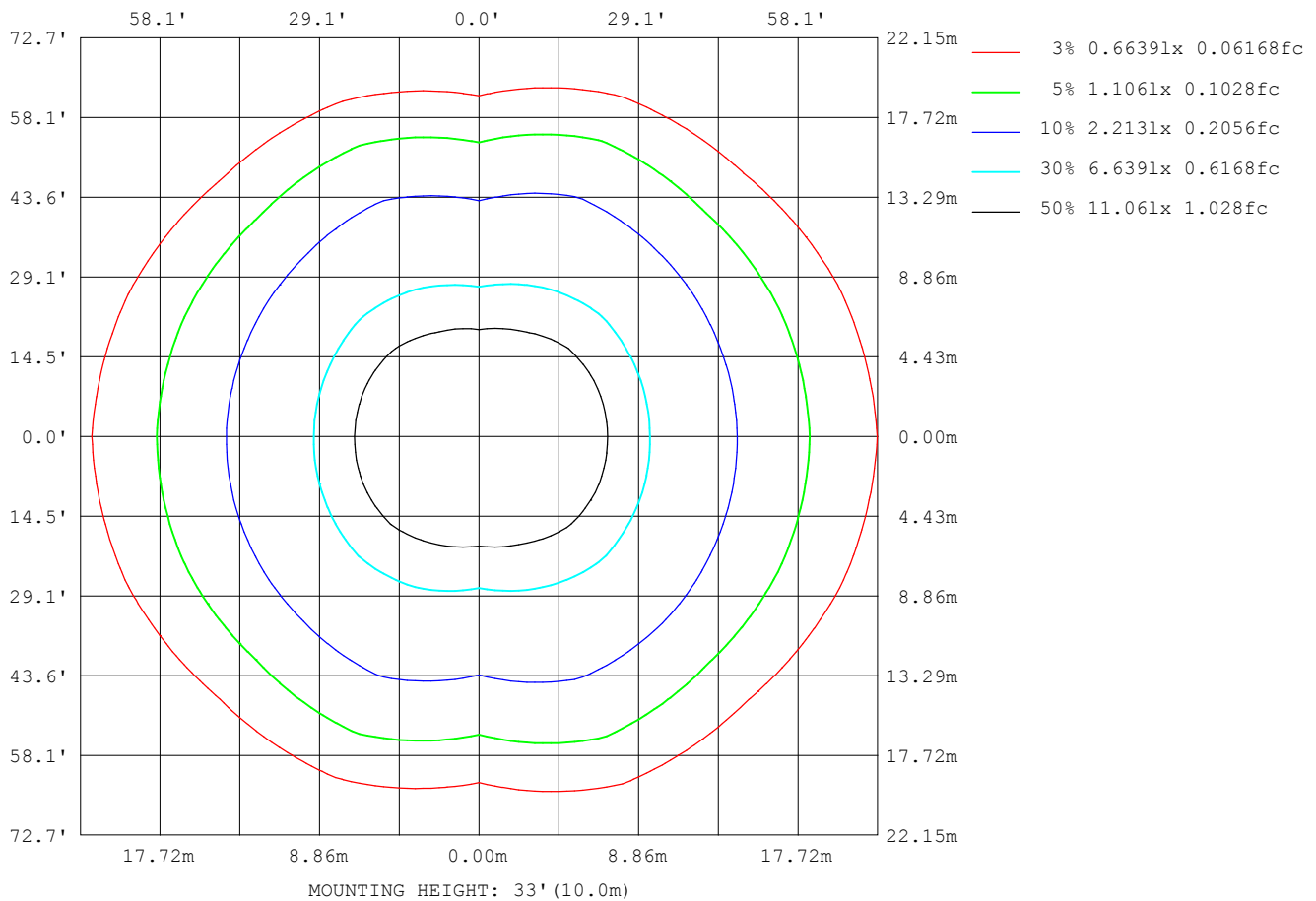
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: 01
 Test Date: 2022-05-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.354
 Humidity: 65.0%
 Test Distance: 9.137m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

| | | |
|---|-----------------------|------------------|
| Test:U:120.0V I:0.3890A P:46.40W PF:0.9940 Freq:59.98Hz Lamp Flux:7119.2x1 lm | | |
| NAME: LED Waterpoof Luminaire | TYPE:AL586443-48W-40K | WEIGHT: |
| SPEC.:48W | DIM.: 1200*102*86mm | SERIAL No.: |
| MFR.: Americanlite | SUR.:1200*102mm | Shielding Angle: |



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:01
 Test Date:2022-05-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.354
 Humidity:65.0%
 Test Distance:9.137m [K=1.0000]
 Remarks:

LED Avg.L Report

| | | |
|---|-----------------------|------------------|
| Test:U:120.0V I:0.3890A P:46.40W PF:0.9940 Freq:59.98Hz Lamp Flux:7119.2x1 lm | | |
| NAME: LED Waterpoof Luminaire | TYPE:AL586443-48W-40K | WEIGHT: |
| SPEC.:48W | DIM.: 1200*102*86mm | SERIAL No.: |
| MFR.: Americanlite | SUR.:1200*102mm | Shielding Angle: |

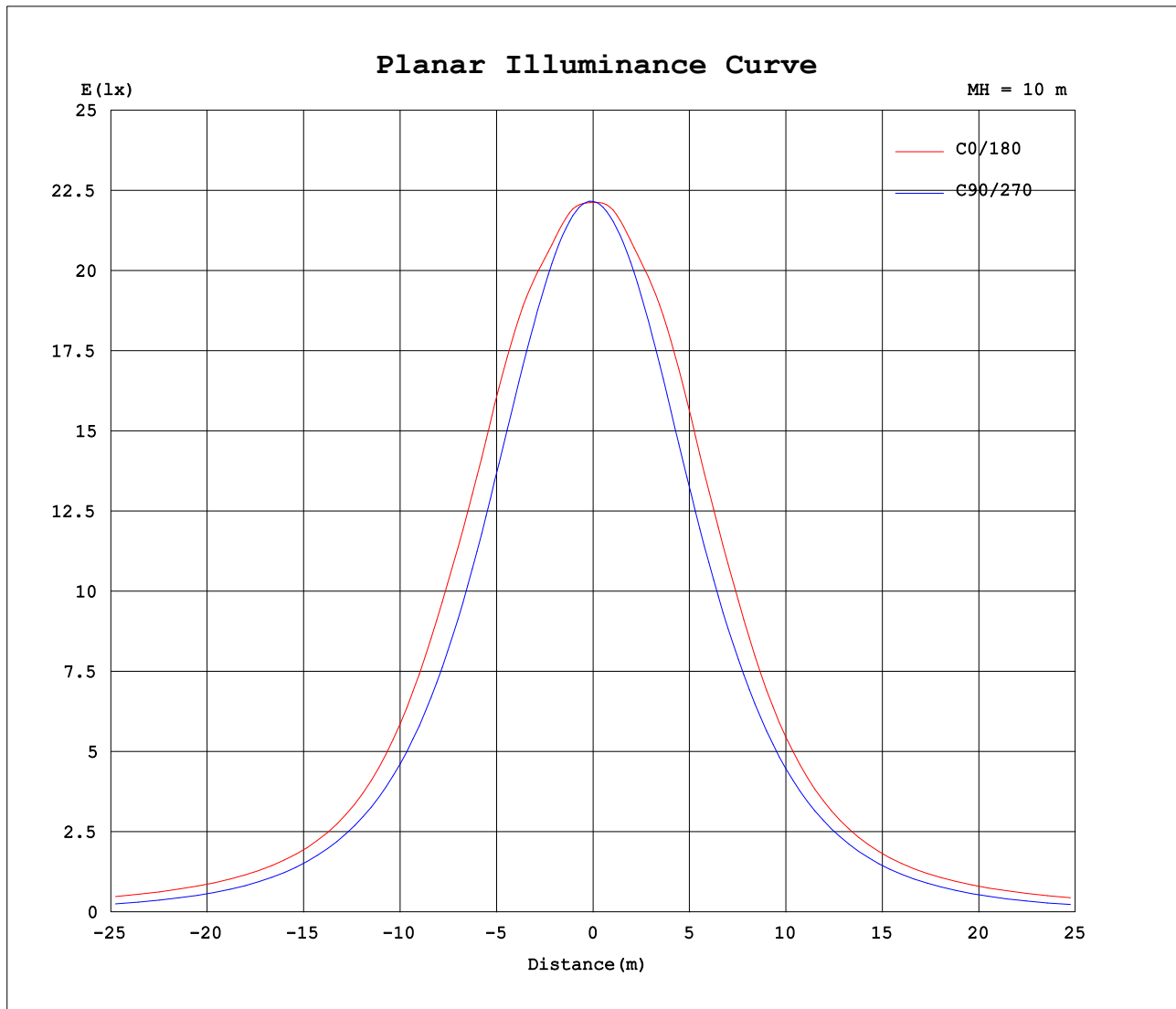
| AvgL | cd/m2 |
|------------------|-------|
| L_0~180 (65) av | 17818 |
| L_0~180 (75) av | 24514 |
| L_0~180 (85) av | 35234 |
| L_90~270 (65) av | 11088 |
| L_90~270 (75) av | 8475 |
| L_90~270 (85) av | 4005 |
| L_45 (65) av | 14895 |
| L_45 (75) av | 17344 |
| L_45 (85) av | 31326 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:01
 Test Date:2022-05-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.354
 Humidity:65.0%
 Test Distance:9.137m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: 01
Test Date: 2022-05-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.354
Humidity: 65.0%
Test Distance: 9.137m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|---|-----------------------|------------------|
| Test:U:120.0V I:0.3890A P:46.40W PF:0.9940 Freq:59.98Hz Lamp Flux:7119.2x1 lm | | |
| NAME: LED Waterproof Luminaire | TYPE:AL586443-48W-40K | WEIGHT: |
| SPEC.:48W | DIM.: 1200*102*86mm | SERIAL No.: |
| MFR.: Americanlite | SUR.:1200*102mm | Shielding Angle: |

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 | 2215 | 2215 | 2215 | 2215 | 2215 | 2215 | 2215 | 2215 | 2215 | 2215 | 2215 | 2215 | 2215 | 2215 | 2215 | 2215 | | | |
| 5 | 2228 | 2227 | 2221 | 2213 | 2210 | 2216 | 2223 | 2228 | 2226 | 2221 | 2212 | 2201 | 2194 | 2197 | 2209 | 2222 | | | |
| 10 | 2227 | 2229 | 2218 | 2193 | 2180 | 2196 | 2212 | 2219 | 2219 | 2208 | 2192 | 2169 | 2153 | 2170 | 2200 | 2220 | | | |
| 15 | 2241 | 2226 | 2191 | 2153 | 2125 | 2154 | 2182 | 2214 | 2226 | 2201 | 2154 | 2117 | 2090 | 2122 | 2168 | 2216 | | | |
| 20 | 2275 | 2252 | 2166 | 2092 | 2049 | 2091 | 2159 | 2227 | 2243 | 2210 | 2122 | 2045 | 2002 | 2054 | 2140 | 2241 | | | |
| 25 | 2264 | 2250 | 2150 | 2015 | 1948 | 2014 | 2135 | 2204 | 2211 | 2182 | 2090 | 1955 | 1889 | 1969 | 2121 | 2233 | | | |
| 30 | 2182 | 2191 | 2113 | 1922 | 1816 | 1924 | 2079 | 2120 | 2111 | 2093 | 2028 | 1854 | 1757 | 1871 | 2078 | 2167 | | | |
| 35 | 2070 | 2081 | 2037 | 1816 | 1661 | 1819 | 1983 | 1994 | 1978 | 1964 | 1928 | 1745 | 1609 | 1768 | 1996 | 2052 | | | |
| 40 | 1901 | 1934 | 1919 | 1696 | 1489 | 1697 | 1846 | 1814 | 1780 | 1777 | 1788 | 1624 | 1445 | 1656 | 1871 | 1896 | | | |
| 45 | 1662 | 1712 | 1757 | 1564 | 1306 | 1559 | 1655 | 1576 | 1545 | 1532 | 1592 | 1486 | 1265 | 1527 | 1696 | 1665 | | | |
| 50 | 1402 | 1446 | 1522 | 1414 | 1121 | 1399 | 1401 | 1337 | 1315 | 1295 | 1333 | 1329 | 1082 | 1379 | 1447 | 1399 | | | |
| 55 | 1186 | 1205 | 1241 | 1240 | 938 | 1208 | 1139 | 1126 | 1116 | 1089 | 1078 | 1137 | 899 | 1195 | 1170 | 1168 | | | |
| 60 | 1042 | 1032 | 992 | 1028 | 761 | 980 | 920 | 964 | 971 | 935 | 876 | 911 | 723 | 968 | 945 | 1008 | | | |
| 65 | 957 | 917 | 810 | 798 | 593 | 751 | 758 | 851 | 886 | 830 | 726 | 691 | 554 | 739 | 788 | 902 | | | |
| 70 | 915 | 845 | 680 | 592 | 436 | 553 | 634 | 780 | 834 | 761 | 609 | 504 | 394 | 542 | 670 | 838 | | | |
| 75 | 831 | 775 | 578 | 422 | 289 | 394 | 536 | 696 | 723 | 667 | 511 | 350 | 248 | 383 | 573 | 766 | | | |
| 80 | 633 | 635 | 483 | 285 | 158 | 264 | 438 | 528 | 511 | 492 | 407 | 226 | 122 | 256 | 475 | 610 | | | |
| 85 | 423 | 442 | 372 | 176 | 54.0 | 161 | 321 | 344 | 329 | 319 | 289 | 132 | 31.5 | 159 | 356 | 414 | | | |
| 90 | 280 | 292 | 257 | 100 | 8.09 | 93.2 | 212 | 227 | 220 | 214 | 194 | 83.2 | 6.17 | 102 | 242 | 274 | | | |
| 95 | 199 | 203 | 175 | 62.5 | 7.00 | 58.5 | 144 | 162 | 162 | 156 | 134 | 55.0 | 4.47 | 68.9 | 167 | 193 | | | |
| 100 | 150 | 148 | 120 | 38.7 | 6.26 | 35.8 | 100 | 124 | 127 | 121 | 97.2 | 32.2 | 4.66 | 39.7 | 118 | 144 | | | |
| 105 | 120 | 115 | 85.0 | 26.1 | 4.90 | 23.9 | 73.7 | 99.9 | 105 | 98.5 | 73.2 | 18.4 | 5.10 | 23.7 | 86.1 | 114 | | | |
| 110 | 99.6 | 93.4 | 64.5 | 17.6 | 4.87 | 16.3 | 57.4 | 83.4 | 89.1 | 82.5 | 54.5 | 12.2 | 5.75 | 15.9 | 60.0 | 92.9 | | | |
| 115 | 84.5 | 77.5 | 48.2 | 11.4 | 5.36 | 10.7 | 43.8 | 70.2 | 76.7 | 69.1 | 40.9 | 8.54 | 6.24 | 11.1 | 45.4 | 71.6 | | | |
| 120 | 71.4 | 63.1 | 37.3 | 8.40 | 6.06 | 8.20 | 34.1 | 57.5 | 65.0 | 56.9 | 30.4 | 8.38 | 6.80 | 8.80 | 34.2 | 61.2 | | | |
| 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 | 0.00 | | | |
| 165 | 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 | | | |
| 170 | 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 | | | |
| 175 | 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 | | | |
| 180 | 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 | | | |

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