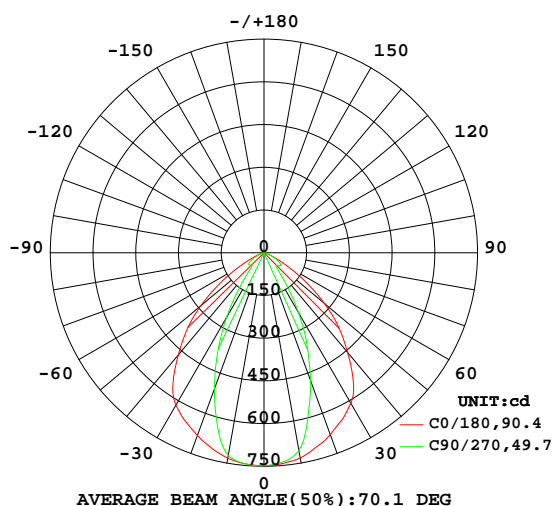


LUMINAIRE PHOTOMETRIC TEST REPORT

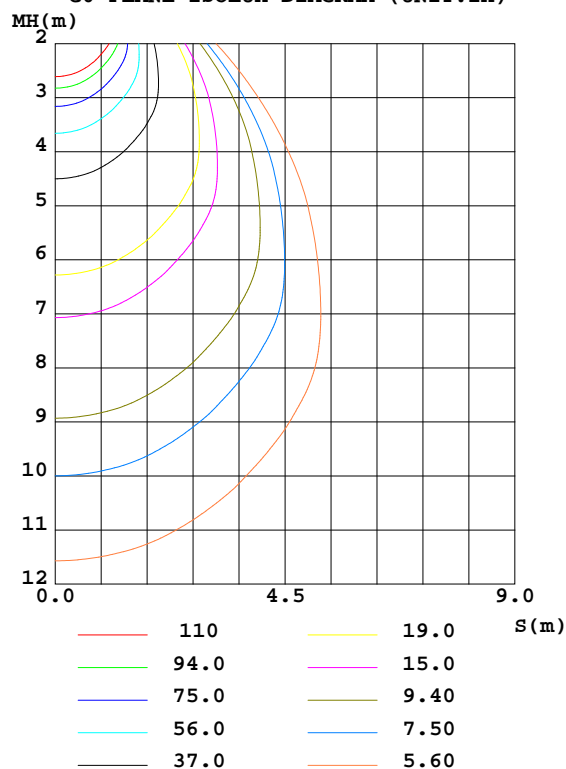
| | | |
|--|--------------------------------|------------------|
| Test:U:12.043V I:2.9028A P:26.767W PF:0.7657 Freq:59.99Hz Lamp Flux:954.105x1 lm | | |
| NAME: 5221-30BZ(5X4-26W) | TYPE:Surface-mounted Luminaire | HEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: WAC Lighting | SUR.: | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 35.64 lm/W | | | |
|------------------|---------|----------------------------------|--------|------------------------|----------|
| MODEL | | Imax(cd) | 748.6 | S/MH(C0/180) | 1.22 |
| NOMINAL POWER(W) | | LOR(%) | 100.0 | S/MH(C90/270) | 0.76 |
| RATED VOLTAGE(V) | 12 | TOTAL FLUX(lm) | 954.10 | η UP,DN(C0-180) | 0.0,50.7 |
| NOMINAL FLUX(lm) | 954.105 | CIE CLASS | DIRECT | η UP,DN(C180-360) | 0.1,49.2 |
| LAMPS INSIDE | 1 | η up(%) | 0.1 | CIBSE SHR NOM | 0.75 |
| TEST VOLTAGE(V) | 12 | η down(%) | 99.9 | CIBSE SHR MAX | 0.95 |

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:Oliver
 Test Date:2019-11-15

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity:65.0%
 Test Distance:2.499m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

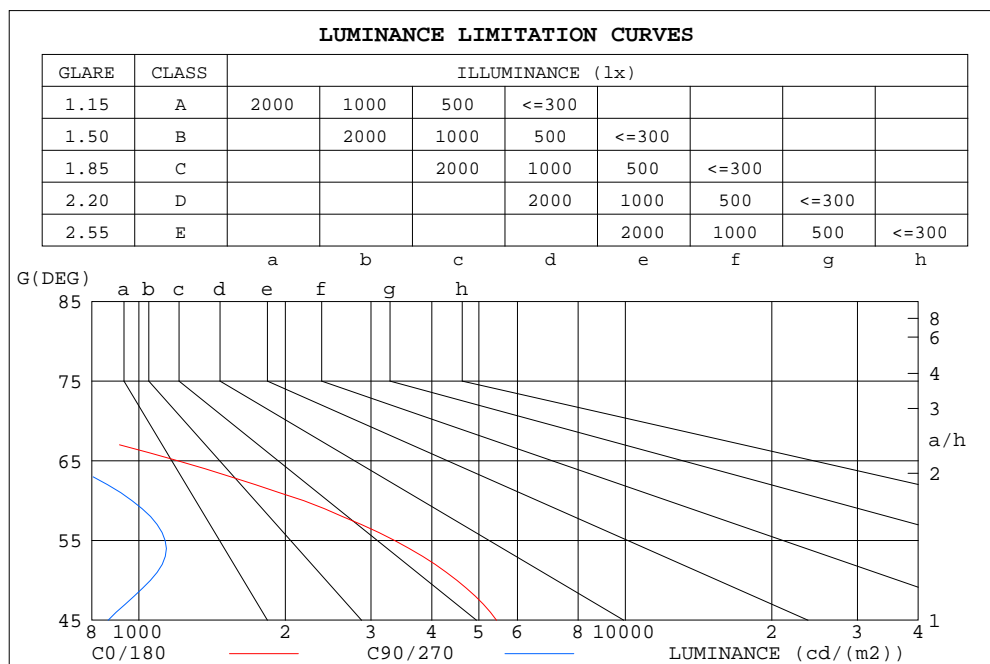
ZONAL FLUX DIAGRAM:

| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | Φ zone | Φ total | $\%lum, lamp$ |
|----------|-----------------------|--------|--------|--------|--------|--------|--------|--------|----------|-------------|--------------|---------------|
| 10 | 732.6 | 732.2 | 722.4 | 729.7 | 731.9 | 720.0 | 704.7 | 724.0 | 0- 10 | 70.33 | 70.33 | 7.37,7.37 |
| 20 | 683.1 | 610.6 | 509.0 | 625.5 | 679.8 | 577.8 | 479.7 | 599.0 | 10- 20 | 187.8 | 258.1 | 27,27 |
| 30 | 618.3 | 409.7 | 264.7 | 430.5 | 610.1 | 378.2 | 240.6 | 407.9 | 20- 30 | 235.2 | 493.2 | 51.7,51.7 |
| 40 | 468.4 | 206.2 | 76.00 | 227.4 | 456.3 | 183.0 | 72.47 | 214.6 | 30- 40 | 206.7 | 699.9 | 73.4,73.4 |
| 50 | 289.1 | 66.79 | 67.92 | 68.33 | 277.0 | 64.71 | 71.67 | 70.12 | 40- 50 | 134.1 | 834.0 | 87.4,87.4 |
| 60 | 108.9 | 38.63 | 48.40 | 29.34 | 97.06 | 42.30 | 56.19 | 37.76 | 50- 60 | 78.61 | 912.6 | 95.6,95.6 |
| 70 | 20.09 | 16.16 | 14.95 | 12.45 | 16.24 | 17.67 | 18.63 | 17.25 | 60- 70 | 32.33 | 944.9 | 99,99 |
| 80 | 1.635 | 2.311 | 2.787 | 1.463 | 1.355 | 3.196 | 3.570 | 3.092 | 70- 80 | 7.809 | 952.7 | 99.9,99.9 |
| 90 | 0.0003 | 0.0000 | 0 | 0.0000 | 0 | 0 | 0 | 0 | 80- 90 | 0.5508 | 953.3 | 99.9,99.9 |
| 100 | 0.0124 | 0.0064 | 0.0119 | 0.0060 | 0.0068 | 0 | 0 | 0 | 90-100 | 0.0018 | 953.3 | 99.9,99.9 |
| 110 | 0.0272 | 0.0141 | 0.0183 | 0.0188 | 0.0286 | 0.0069 | 0.0039 | 0.0064 | 100-110 | 0.0098 | 953.3 | 99.9,99.9 |
| 120 | 0.0595 | 0.0362 | 0.0323 | 0.0525 | 0.1419 | 0.1113 | 0.1010 | 0.1361 | 110-120 | 0.0366 | 953.3 | 99.9,99.9 |
| 130 | 0.1327 | 0.0958 | 0.0788 | 0.1259 | 0.2214 | 0.1636 | 0.1086 | 0.1708 | 120-130 | 0.0833 | 953.4 | 99.9,99.9 |
| 140 | 0.1993 | 0.1675 | 0.1614 | 0.2039 | 0.3506 | 0.3154 | 0.2645 | 0.3183 | 130-140 | 0.1473 | 953.5 | 99.9,99.9 |
| 150 | 0.2801 | 0.2685 | 0.2940 | 0.2936 | 0.4492 | 0.4545 | 0.4462 | 0.4549 | 140-150 | 0.1929 | 953.7 | 100,100 |
| 160 | 0.3381 | 0.3572 | 0.4012 | 0.3535 | 0.5073 | 0.5266 | 0.5863 | 0.5545 | 150-160 | 0.1902 | 953.9 | 100,100 |
| 170 | 0.3944 | 0.4203 | 0.4637 | 0.3996 | 0.5264 | 0.5262 | 0.5939 | 0.5972 | 160-170 | 0.1343 | 954.1 | 100,100 |
| 180 | 0.5324 | 0.5428 | 0.5638 | 0.5348 | 0.5328 | 0.5325 | 0.5541 | 0.5458 | 170-180 | 0.0489 | 954.1 | 100,100 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Oliver
 Test Date:2019-11-15

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 γ Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity:65.0%
 Test Distance:2.499m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES



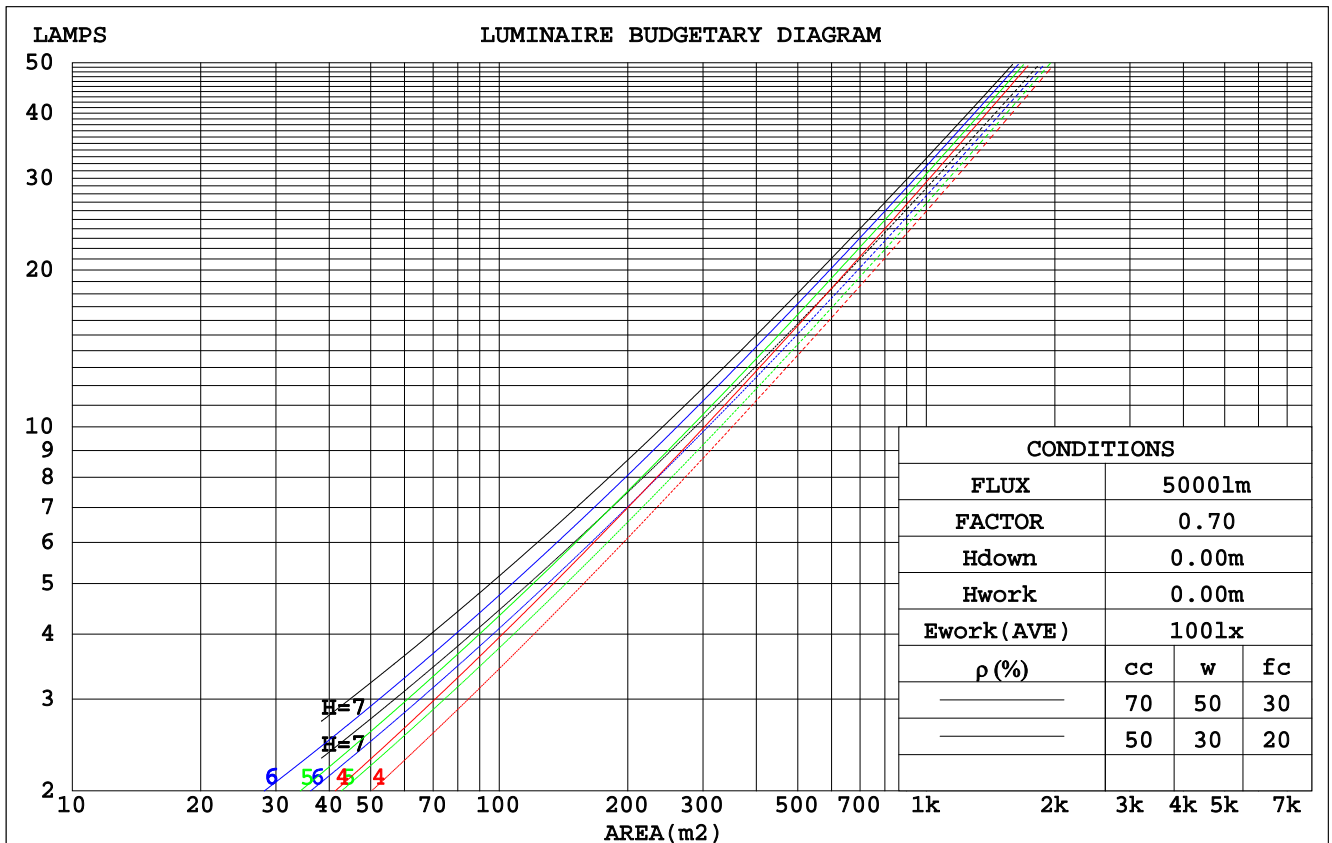
| LUMINANCE cd/(m2) | | |
|-------------------|--------|---------|
| G(DEG) | C0/180 | C90/270 |
| 85 | 9 | 2 |
| 80 | 94 | 160 |
| 75 | 226 | 264 |
| 70 | 589 | 437 |
| 65 | 1203 | 692 |
| 60 | 2182 | 968 |
| 55 | 3357 | 1132 |
| 50 | 4507 | 1056 |
| 45 | 5436 | 864 |

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Oliver
Test Date: 2019-11-15

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.366
Humidity: 65.0%
Test Distance: 2.499m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| 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 | | | | | | 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 | 1.09 | 1.06 | 1.03 | 1.07 | 1.04 | 1.02 | 1.03 | 1.00 | .98 | .99 | .97 | .95 | .95 | .94 | .93 | .91 |
| 2.0 | .99 | .94 | .90 | .97 | .93 | .89 | .94 | .90 | .87 | .91 | .88 | .85 | .88 | .86 | .83 | .82 |
| 3.0 | .91 | .85 | .80 | .89 | .84 | .79 | .86 | .82 | .78 | .84 | .80 | .77 | .81 | .78 | .75 | .74 |
| 4.0 | .83 | .76 | .71 | .82 | .76 | .71 | .79 | .74 | .70 | .77 | .73 | .69 | .75 | .71 | .68 | .66 |
| 5.0 | .76 | .69 | .64 | .75 | .69 | .64 | .73 | .68 | .63 | .72 | .67 | .63 | .70 | .66 | .62 | .60 |
| 6.0 | .70 | .63 | .58 | .70 | .63 | .58 | .68 | .62 | .58 | .66 | .61 | .57 | .65 | .60 | .57 | .55 |
| 7.0 | .65 | .58 | .53 | .65 | .58 | .53 | .63 | .57 | .53 | .62 | .56 | .52 | .61 | .56 | .52 | .50 |
| 8.0 | .61 | .54 | .49 | .60 | .53 | .49 | .59 | .53 | .49 | .58 | .52 | .48 | .57 | .52 | .48 | .47 |
| 9.0 | .57 | .50 | .45 | .56 | .50 | .45 | .55 | .49 | .45 | .54 | .49 | .45 | .53 | .48 | .45 | .43 |
| 10.0 | .53 | .46 | .42 | .53 | .46 | .42 | .52 | .46 | .42 | .51 | .45 | .42 | .50 | .45 | .41 | .40 |



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Oliver
 Test Date: 2019-11-15

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity: 65.0%
 Test Distance: 2.499m [K=1.0000]
 Remarks:

WEC AND CCEC

| 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 | | | | | | Wall Exitance Coefficients(WEC) | | | | | | | | | | |
| 0.0 | | | | | | | | | | | | | | | | | |
| 1.0 | .213 | .121 | .038 | .206 | .117 | .037 | .193 | .111 | .035 | .181 | .105 | .034 | .170 | .099 | .032 | | |
| 2.0 | .207 | .113 | .035 | .201 | .111 | .034 | .190 | .106 | .033 | .180 | .101 | .032 | .171 | .097 | .030 | | |
| 3.0 | .198 | .105 | .032 | .193 | .103 | .031 | .183 | .099 | .030 | .174 | .096 | .029 | .166 | .092 | .028 | | |
| 4.0 | .188 | .098 | .029 | .183 | .096 | .028 | .175 | .093 | .028 | .167 | .090 | .027 | .160 | .087 | .026 | | |
| 5.0 | .178 | .091 | .026 | .174 | .089 | .026 | .167 | .087 | .026 | .160 | .084 | .025 | .153 | .082 | .025 | | |
| 6.0 | .169 | .084 | .024 | .165 | .083 | .024 | .159 | .081 | .024 | .152 | .079 | .023 | .147 | .077 | .023 | | |
| 7.0 | .160 | .079 | .022 | .157 | .078 | .022 | .151 | .076 | .022 | .145 | .075 | .022 | .140 | .073 | .021 | | |
| 8.0 | .152 | .074 | .021 | .149 | .073 | .021 | .144 | .072 | .021 | .139 | .070 | .020 | .134 | .069 | .020 | | |
| 9.0 | .144 | .070 | .019 | .142 | .069 | .019 | .137 | .068 | .019 | .133 | .066 | .019 | .129 | .065 | .019 | | |
| 10.0 | .137 | .066 | .018 | .135 | .065 | .018 | .131 | .064 | .018 | .127 | .063 | .018 | .123 | .062 | .018 | | |

| 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 | .191 | .191 | .191 | .163 | .163 | .163 | .112 | .112 | .112 | .064 | .064 | .064 | .020 | .020 | .020 | | |
| 1.0 | .174 | .158 | .143 | .149 | .135 | .123 | .102 | .093 | .085 | .059 | .054 | .049 | .019 | .017 | .016 | | |
| 2.0 | .162 | .133 | .109 | .138 | .114 | .094 | .095 | .079 | .066 | .055 | .046 | .039 | .018 | .015 | .013 | | |
| 3.0 | .151 | .114 | .085 | .130 | .099 | .074 | .089 | .069 | .052 | .051 | .040 | .031 | .017 | .013 | .010 | | |
| 4.0 | .142 | .100 | .068 | .122 | .087 | .059 | .084 | .060 | .042 | .049 | .035 | .025 | .016 | .012 | .008 | | |
| 5.0 | .135 | .089 | .056 | .116 | .077 | .048 | .080 | .054 | .034 | .046 | .032 | .020 | .015 | .010 | .007 | | |
| 6.0 | .128 | .080 | .046 | .110 | .070 | .040 | .076 | .049 | .029 | .044 | .029 | .017 | .014 | .009 | .006 | | |
| 7.0 | .121 | .073 | .039 | .104 | .063 | .034 | .072 | .044 | .024 | .042 | .026 | .014 | .014 | .009 | .005 | | |
| 8.0 | .116 | .067 | .034 | .100 | .058 | .029 | .069 | .041 | .021 | .040 | .024 | .012 | .013 | .008 | .004 | | |
| 9.0 | .110 | .062 | .029 | .095 | .054 | .026 | .066 | .038 | .018 | .038 | .022 | .011 | .012 | .007 | .004 | | |
| 10.0 | .105 | .058 | .026 | .091 | .050 | .023 | .063 | .035 | .016 | .037 | .021 | .010 | .012 | .007 | .003 | | |

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Oliver
 Test Date: 2019-11-15

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity: 65.0%
 Test Distance: 2.499m [K=1.0000]
 Remarks:

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 | 15.8 | 17.0 | 16.0 | 17.1 | 17.3 | 10.3 | 11.5 | 10.5 | 11.6 | 11.8 |
| 3H | 15.8 | 16.8 | 16.0 | 17.0 | 17.3 | 10.7 | 11.8 | 11.0 | 12.0 | 12.2 |
| 4H | 15.7 | 16.7 | 16.0 | 16.9 | 17.2 | 10.7 | 11.8 | 11.0 | 12.0 | 12.2 |
| 6H | 15.6 | 16.5 | 15.9 | 16.8 | 17.0 | 10.7 | 11.6 | 11.0 | 11.9 | 12.2 |
| 8H | 15.5 | 16.4 | 15.9 | 16.7 | 17.0 | 10.7 | 11.6 | 11.0 | 11.8 | 12.1 |
| 12H | 15.5 | 16.4 | 15.8 | 16.6 | 16.9 | 10.6 | 11.5 | 10.9 | 11.8 | 12.0 |
| 4H 2H | 15.6 | 16.6 | 15.9 | 16.8 | 17.1 | 10.5 | 11.5 | 10.8 | 11.8 | 12.0 |
| 3H | 15.6 | 16.5 | 15.9 | 16.7 | 17.0 | 11.1 | 11.9 | 11.4 | 12.2 | 12.5 |
| 4H | 15.5 | 16.3 | 15.9 | 16.6 | 16.9 | 11.1 | 11.9 | 11.5 | 12.2 | 12.5 |
| 6H | 15.4 | 16.1 | 15.8 | 16.5 | 16.8 | 11.1 | 11.8 | 11.5 | 12.1 | 12.5 |
| 8H | 15.4 | 16.0 | 15.8 | 16.4 | 16.7 | 11.1 | 11.7 | 11.5 | 12.1 | 12.4 |
| 12H | 15.3 | 15.9 | 15.7 | 16.3 | 16.7 | 11.0 | 11.6 | 11.4 | 12.0 | 12.4 |
| 8H 4H | 15.4 | 16.0 | 15.8 | 16.4 | 16.8 | 11.1 | 11.7 | 11.5 | 12.0 | 12.4 |
| 6H | 15.3 | 15.8 | 15.7 | 16.2 | 16.6 | 11.1 | 11.6 | 11.5 | 12.0 | 12.4 |
| 8H | 15.3 | 15.7 | 15.7 | 16.1 | 16.6 | 11.0 | 11.5 | 11.5 | 11.9 | 12.3 |
| 12H | 15.2 | 15.6 | 15.7 | 16.0 | 16.5 | 11.0 | 11.4 | 11.4 | 11.8 | 12.3 |
| 12H 4H | 15.3 | 15.9 | 15.8 | 16.3 | 16.7 | 11.0 | 11.6 | 11.4 | 12.0 | 12.4 |
| 6H | 15.3 | 15.7 | 15.7 | 16.1 | 16.6 | 11.0 | 11.5 | 11.5 | 11.9 | 12.3 |
| 8H | 15.2 | 15.6 | 15.7 | 16.1 | 16.5 | 11.0 | 11.4 | 11.4 | 11.8 | 12.3 |
| Variations with the observer position at spacings: | | | | | | | | | | |
| S = 1.0H | + 1.9 / - 2.7 | | | | | + 0.8 / - 0.9 | | | | |
| 1.5H | + 2.5 / - 6.1 | | | | | + 0.8 / - 1.5 | | | | |
| 2.0H | + 4.7 / - 7.3 | | | | | + 0.9 / - 1.8 | | | | |

CIE Pub.117, 954.1 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -0.2)

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Oliver
 Test Date: 2019-11-15

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity: 65.0%
 Test Distance: 2.499m [K=1.0000]
 Remarks:

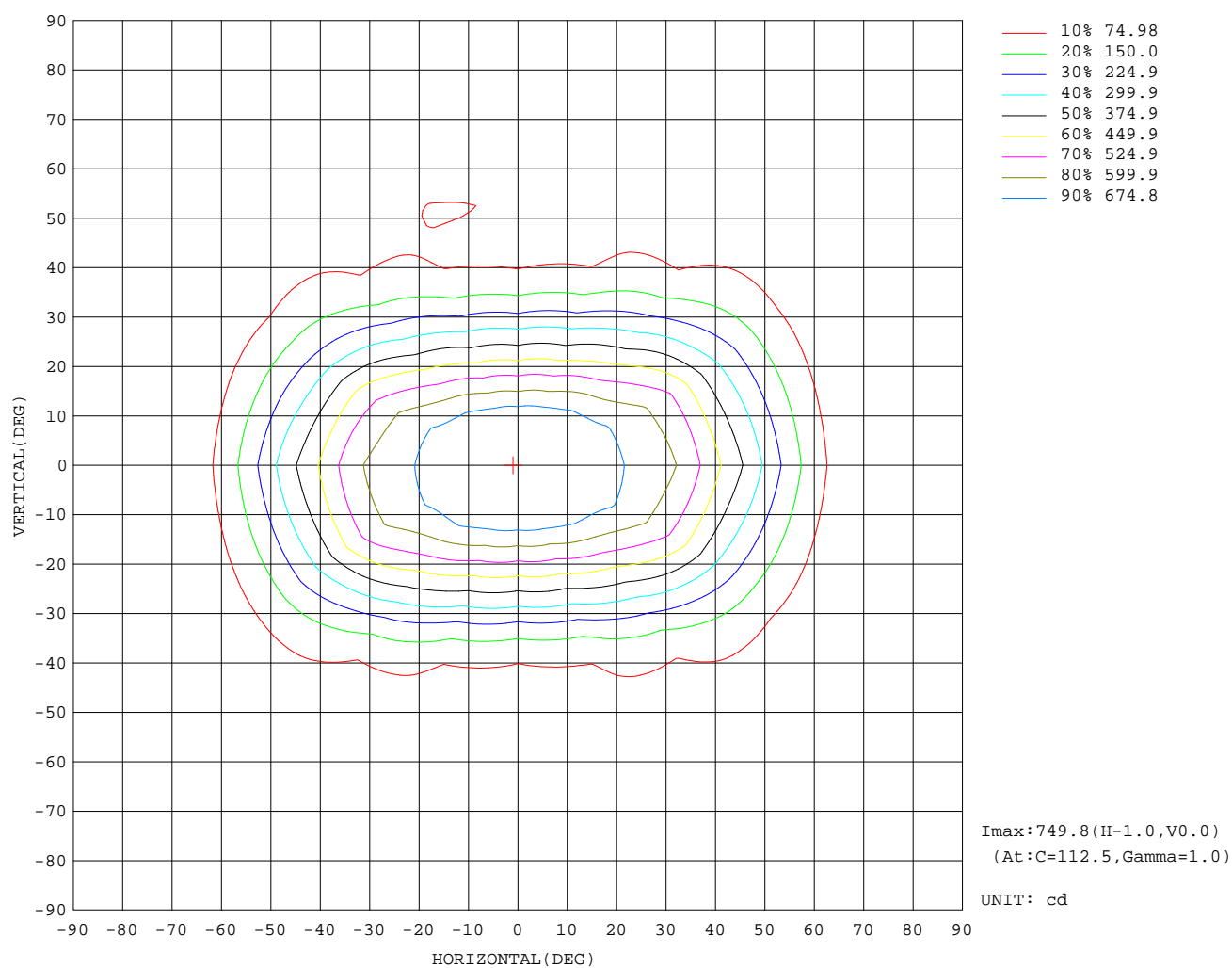
UTILIZATION FACTORS TABLE

| 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 | 75 | 66 | 61 | 74 | 66 | 61 | 73 | 65 | 61 | 56 |
| 0.80 | 84 | 76 | 70 | 83 | 75 | 70 | 81 | 74 | 70 | 65 |
| 1.00 | 91 | 83 | 78 | 90 | 82 | 78 | 88 | 83 | 77 | 72 |
| 1.25 | 96 | 89 | 84 | 95 | 88 | 84 | 93 | 87 | 83 | 78 |
| 1.50 | 100 | 93 | 89 | 98 | 93 | 88 | 96 | 91 | 87 | 82 |
| 2.00 | 104 | 99 | 94 | 103 | 98 | 94 | 100 | 96 | 92 | 86 |
| 2.50 | 107 | 102 | 98 | 105 | 100 | 97 | 102 | 98 | 95 | 88 |
| 3.00 | 109 | 104 | 101 | 107 | 103 | 100 | 103 | 100 | 97 | 90 |
| 4.00 | 111 | 108 | 105 | 109 | 106 | 103 | 105 | 103 | 101 | 93 |
| 5.00 | 113 | 110 | 107 | 111 | 108 | 106 | 107 | 104 | 103 | 94 |
| 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: 25.3DEG
 Operators: Oliver
 Test Date: 2019-11-15

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity: 65.0%
 Test Distance: 2.499m [K=1.0000]
 Remarks:

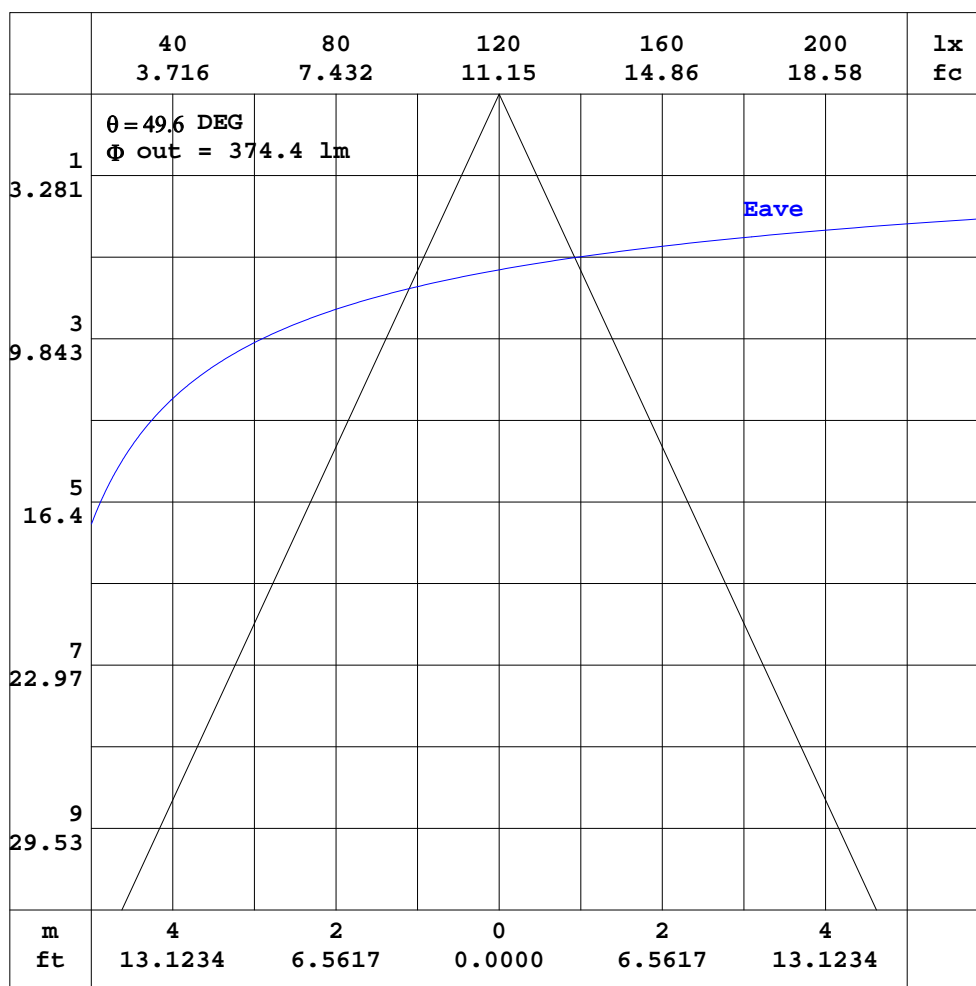
ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Oliver
Test Date: 2019-11-15

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.366
Humidity: 65.0%
Test Distance: 2.499m [K=1.0000]
Remarks:

AAI CURVES

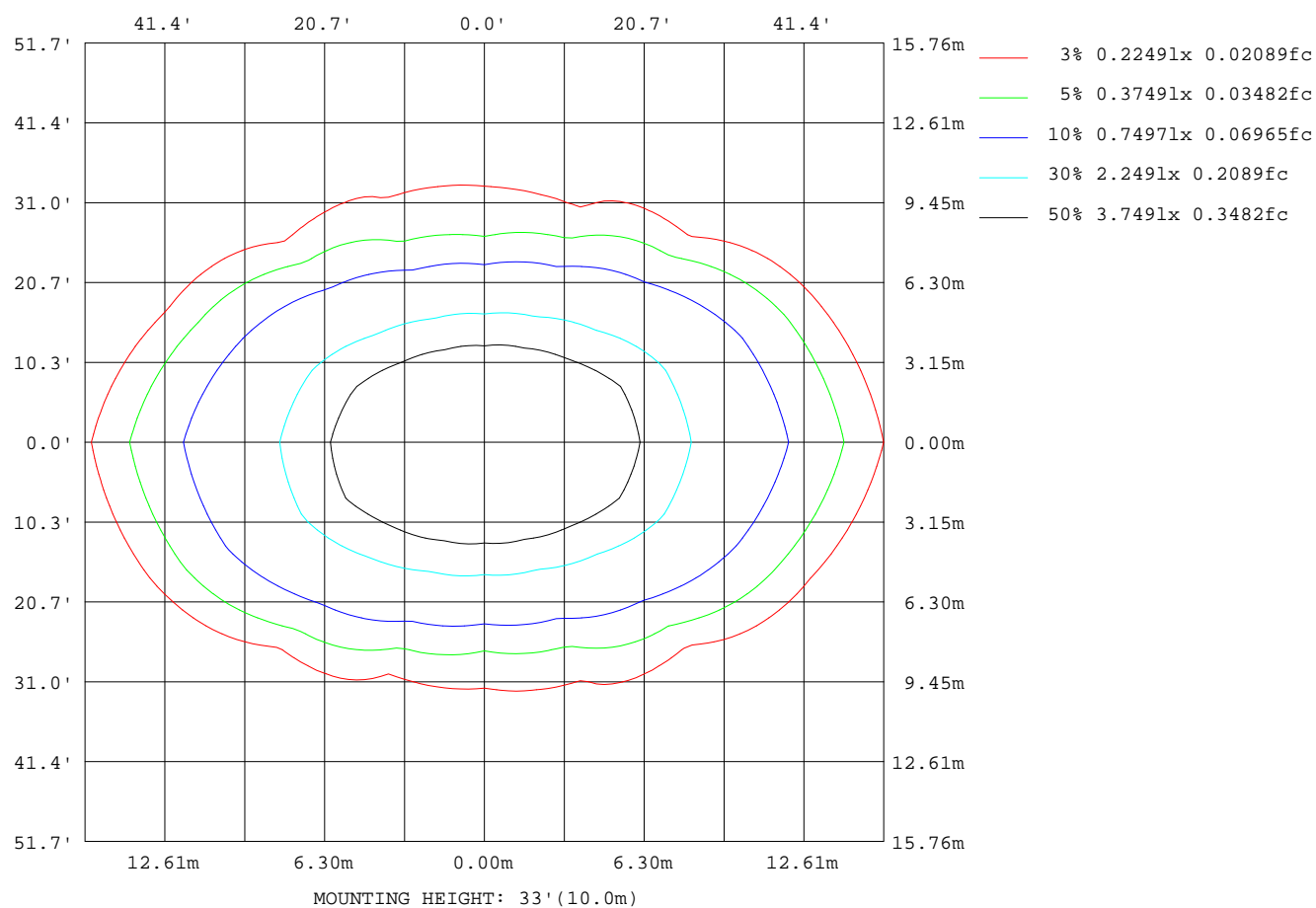


Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Oliver
 Test Date: 2019-11-15

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity: 65.0%
 Test Distance: 2.499m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Oliver
Test Date: 2019-11-15

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.366
Humidity: 65.0%
Test Distance: 2.499m [K=1.0000]
Remarks:

LED Avg.L Report

| | | |
|--|--------------------------------|------------------|
| Test:U:12.043V I:2.9028A P:26.767W PF:0.7657 Freq:59.99Hz Lamp Flux:954.105x1 lm | | |
| NAME: 5221-30BZ(5X4-26W) | TYPE:Surface-mounted Luminaire | HEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: WAC Lighting | SUR.: | Shielding Angle: |

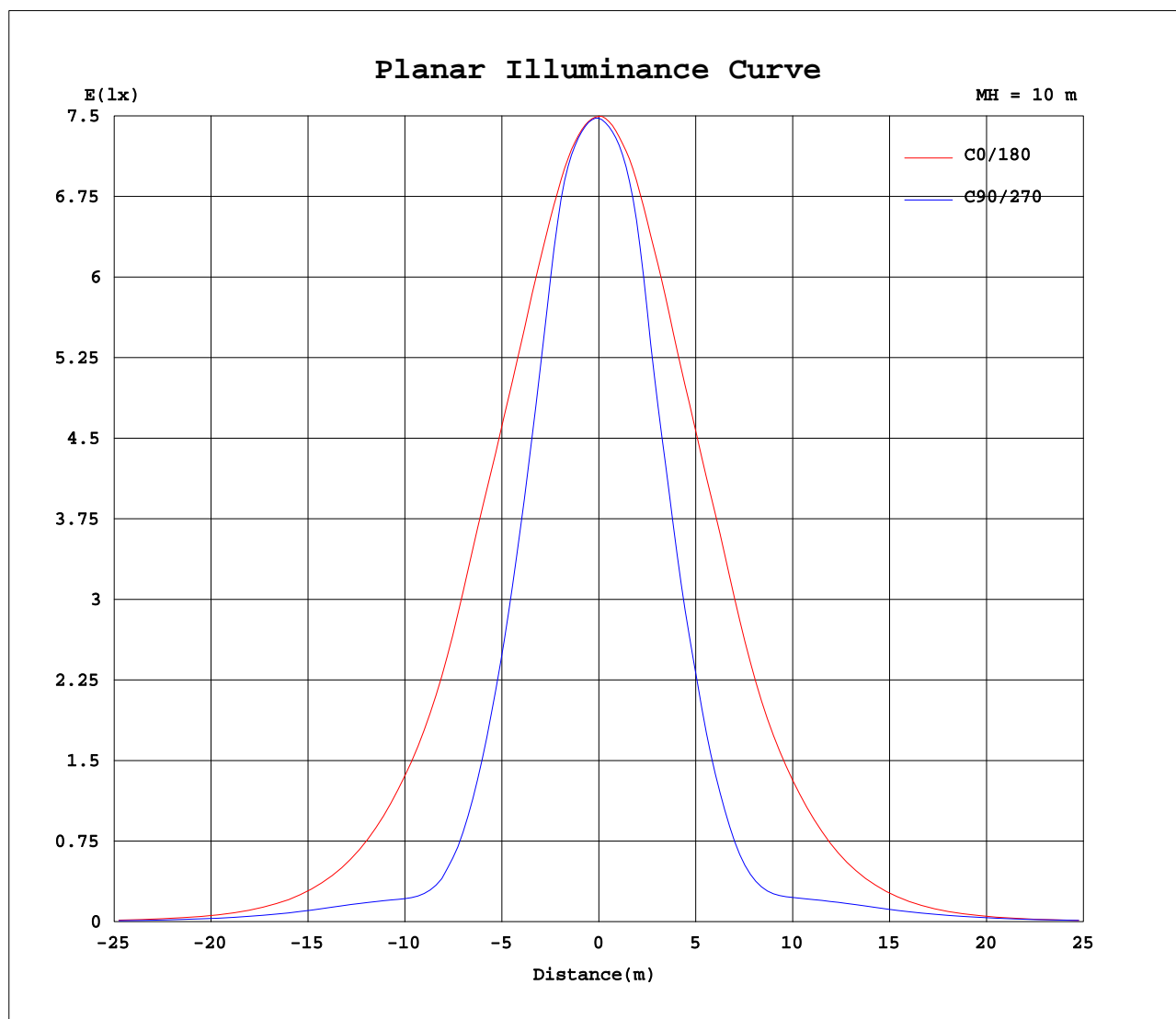
| AvgL | cd/m2 |
|----------------|-------|
| L_0~180(65)av | 1116 |
| L_0~180(75)av | 201 |
| L_0~180(85)av | 9 |
| L_90~270(65)av | 773 |
| L_90~270(75)av | 294 |
| L_90~270(85)av | 16 |
| L_45(65)av | 619 |
| L_45(75)av | 313 |
| L_45(85)av | 8 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Oliver
 Test Date:2019-11-15

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity:65.0%
 Test Distance:2.499m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Oliver
Test Date: 2019-11-15

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.366
Humidity: 65.0%
Test Distance: 2.499m [K=1.0000]
Remarks:

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 | 748 | 748 | 748 | 748 | 748 | 748 | 748 | 748 | 748 | 748 | 748 | 748 | 748 | 748 | 748 | 748 | | | |
| 5 | 744 | 745 | 744 | 743 | 744 | 745 | 745 | 744 | 743 | 741 | 740 | 739 | 738 | 738 | 739 | 742 | | | |
| 10 | 733 | 733 | 732 | 727 | 722 | 727 | 730 | 732 | 732 | 727 | 720 | 711 | 705 | 713 | 724 | 730 | | | |
| 15 | 710 | 712 | 695 | 650 | 631 | 655 | 700 | 708 | 707 | 702 | 673 | 617 | 597 | 627 | 682 | 706 | | | |
| 20 | 683 | 682 | 611 | 534 | 509 | 543 | 626 | 679 | 680 | 667 | 578 | 502 | 480 | 513 | 599 | 675 | | | |
| 25 | 653 | 640 | 511 | 416 | 385 | 426 | 531 | 642 | 648 | 614 | 479 | 385 | 358 | 397 | 501 | 635 | | | |
| 30 | 618 | 575 | 410 | 298 | 265 | 309 | 431 | 594 | 610 | 545 | 378 | 273 | 241 | 288 | 408 | 582 | | | |
| 35 | 557 | 495 | 307 | 185 | 152 | 196 | 331 | 514 | 547 | 460 | 279 | 167 | 136 | 182 | 312 | 505 | | | |
| 40 | 468 | 385 | 206 | 100.0 | 76.0 | 106 | 227 | 405 | 456 | 352 | 183 | 89.9 | 72.5 | 97.3 | 215 | 395 | | | |
| 45 | 384 | 276 | 120 | 65.3 | 61.1 | 61.2 | 131 | 298 | 372 | 247 | 106 | 66.6 | 64.2 | 63.4 | 127 | 293 | | | |
| 50 | 289 | 182 | 66.8 | 69.3 | 67.9 | 59.7 | 68.3 | 201 | 277 | 160 | 64.7 | 74.6 | 71.7 | 67.1 | 70.1 | 201 | | | |
| 55 | 192 | 105 | 48.6 | 68.8 | 65.0 | 59.4 | 41.5 | 117 | 180 | 90.2 | 50.9 | 75.1 | 70.7 | 69.5 | 47.1 | 120 | | | |
| 60 | 109 | 52.0 | 38.6 | 53.4 | 48.4 | 46.6 | 29.3 | 57.9 | 97.1 | 45.1 | 42.3 | 60.1 | 56.2 | 57.5 | 37.8 | 63.0 | | | |
| 65 | 50.7 | 23.1 | 27.0 | 33.8 | 29.2 | 29.6 | 20.4 | 24.8 | 43.6 | 20.4 | 29.7 | 38.1 | 36.1 | 38.1 | 27.5 | 29.4 | | | |
| 70 | 20.1 | 9.81 | 16.2 | 17.7 | 14.9 | 15.5 | 12.5 | 10.0 | 16.2 | 9.05 | 17.7 | 19.5 | 18.6 | 20.5 | 17.2 | 12.1 | | | |
| 75 | 5.83 | 3.53 | 8.11 | 8.11 | 6.84 | 7.22 | 6.30 | 2.92 | 4.60 | 3.86 | 8.96 | 8.60 | 8.36 | 9.44 | 9.08 | 4.15 | | | |
| 80 | 1.63 | 1.03 | 2.31 | 3.13 | 2.79 | 2.74 | 1.46 | 0.75 | 1.36 | 1.32 | 3.20 | 3.58 | 3.57 | 3.97 | 3.09 | 1.50 | | | |
| 85 | 0.07 | 0.06 | 0.04 | 0.02 | 0.02 | 0.02 | 0.03 | 0.04 | 0.08 | 0.07 | 0.08 | 0.14 | 0.27 | 0.15 | 0.11 | 0.09 | | | |
| 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 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 100 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 105 | 0.02 | 0.02 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | | | |
| 110 | 0.03 | 0.03 | 0.01 | 0.02 | 0.02 | 0.01 | 0.02 | 0.02 | 0.03 | 0.02 | 0.01 | 0.01 | 0.00 | 0.00 | 0.01 | 0.02 | | | |
| 115 | 0.04 | 0.04 | 0.02 | 0.02 | 0.02 | 0.02 | 0.03 | 0.04 | 0.06 | 0.05 | 0.02 | 0.01 | 0.01 | 0.01 | 0.03 | 0.05 | | | |
| 120 | 0.06 | 0.05 | 0.04 | 0.03 | 0.03 | 0.03 | 0.05 | 0.06 | 0.14 | 0.14 | 0.11 | 0.10 | 0.10 | 0.09 | 0.14 | 0.16 | | | |
| 125 | 0.09 | 0.08 | 0.06 | 0.05 | 0.05 | 0.06 | 0.08 | 0.09 | 0.16 | 0.14 | 0.10 | 0.06 | 0.06 | 0.07 | 0.10 | 0.14 | | | |
| 130 | 0.13 | 0.12 | 0.10 | 0.08 | 0.08 | 0.10 | 0.13 | 0.13 | 0.22 | 0.20 | 0.16 | 0.12 | 0.11 | 0.13 | 0.17 | 0.21 | | | |
| 135 | 0.17 | 0.15 | 0.13 | 0.11 | 0.12 | 0.14 | 0.16 | 0.17 | 0.29 | 0.28 | 0.24 | 0.19 | 0.18 | 0.20 | 0.25 | 0.28 | | | |
| 140 | 0.20 | 0.19 | 0.17 | 0.16 | 0.16 | 0.18 | 0.20 | 0.20 | 0.35 | 0.34 | 0.32 | 0.28 | 0.26 | 0.28 | 0.32 | 0.35 | | | |
| 145 | 0.24 | 0.23 | 0.22 | 0.22 | 0.23 | 0.25 | 0.25 | 0.25 | 0.41 | 0.40 | 0.39 | 0.37 | 0.36 | 0.37 | 0.39 | 0.41 | | | |
| 150 | 0.28 | 0.28 | 0.27 | 0.28 | 0.29 | 0.30 | 0.29 | 0.28 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.46 | | | |
| 155 | 0.31 | 0.31 | 0.31 | 0.33 | 0.35 | 0.35 | 0.33 | 0.31 | 0.48 | 0.48 | 0.50 | 0.52 | 0.52 | 0.52 | 0.51 | 0.50 | | | |
| 160 | 0.34 | 0.35 | 0.36 | 0.38 | 0.40 | 0.39 | 0.35 | 0.33 | 0.51 | 0.51 | 0.53 | 0.56 | 0.59 | 0.58 | 0.55 | 0.53 | | | |
| 165 | 0.36 | 0.37 | 0.39 | 0.42 | 0.44 | 0.41 | 0.38 | 0.35 | 0.52 | 0.52 | 0.53 | 0.56 | 0.61 | 0.62 | 0.59 | 0.56 | | | |
| 170 | 0.39 | 0.40 | 0.42 | 0.45 | 0.46 | 0.43 | 0.40 | 0.38 | 0.53 | 0.53 | 0.53 | 0.55 | 0.59 | 0.62 | 0.60 | 0.56 | | | |
| 175 | 0.48 | 0.48 | 0.49 | 0.51 | 0.52 | 0.50 | 0.48 | 0.47 | 0.54 | 0.54 | 0.54 | 0.56 | 0.58 | 0.60 | 0.59 | 0.56 | | | |
| 180 | 0.53 | 0.54 | 0.54 | 0.56 | 0.56 | 0.55 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.54 | 0.55 | 0.56 | 0.55 | 0.53 | | | |

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