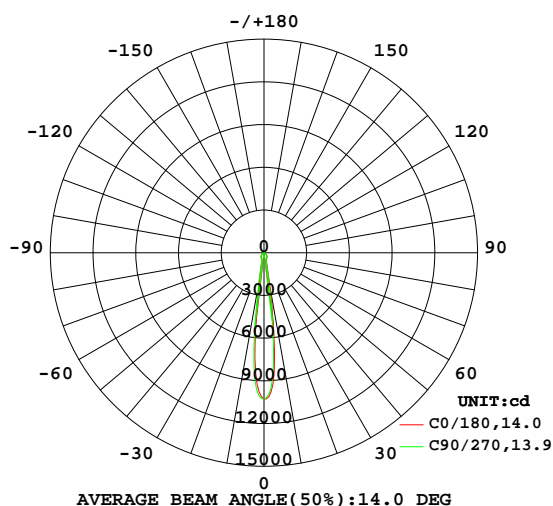


LUMINAIRE PHOTOMETRIC TEST REPORT

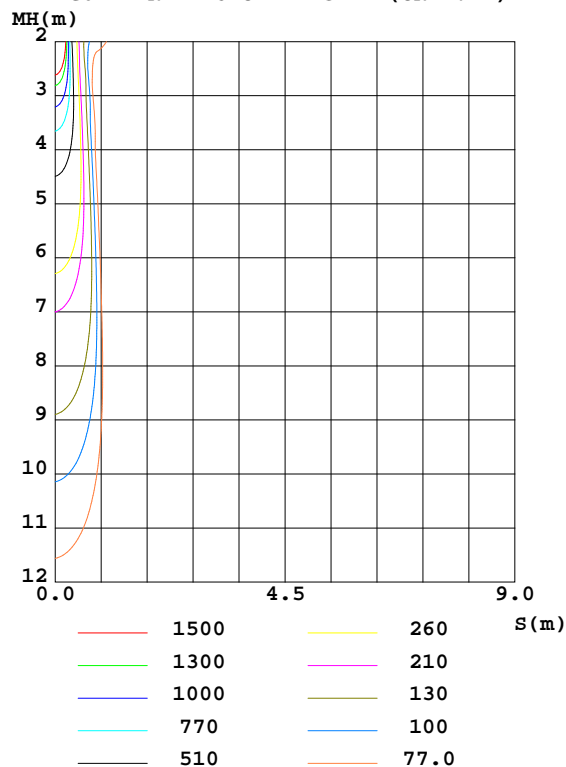
| | | |
|--|-------------------------|------------------|
| Test:U:120.07V I:0.4001A P:29.250W PF:0.6093 Freq:60.00Hz Lamp Flux:1581.01x1 lm | | |
| NAME: 5212-40BZ-15°-31W | TYPE:Landscape Lighting | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: WAC Lighting | SUR.: | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 54.05 lm/W | | | |
|------------------|---------|----------------------------------|--------|------------------------|----------|
| MODEL | | Imax(cd) | 10278 | S/MH(C0/180) | 0.25 |
| NOMINAL POWER(W) | | LOR(%) | 100.0 | S/MH(C90/270) | 0.23 |
| RATED VOLTAGE(V) | 120 | TOTAL FLUX(lm) | 1581.0 | η UP,DN(C0-180) | 0.0,49.9 |
| NOMINAL FLUX(lm) | 1581.01 | CIE CLASS | DIRECT | η UP,DN(C180-360) | 0.1,50.0 |
| LAMPS INSIDE | 1 | η up(%) | 0.1 | CIBSE SHR NOM | 0.00 |
| TEST VOLTAGE(V) | 120 | η down(%) | 99.9 | CIBSE SHR MAX | 1.00 |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.2DEG
Operators:Oliver
Test Date:2018-05-18

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:2.464m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

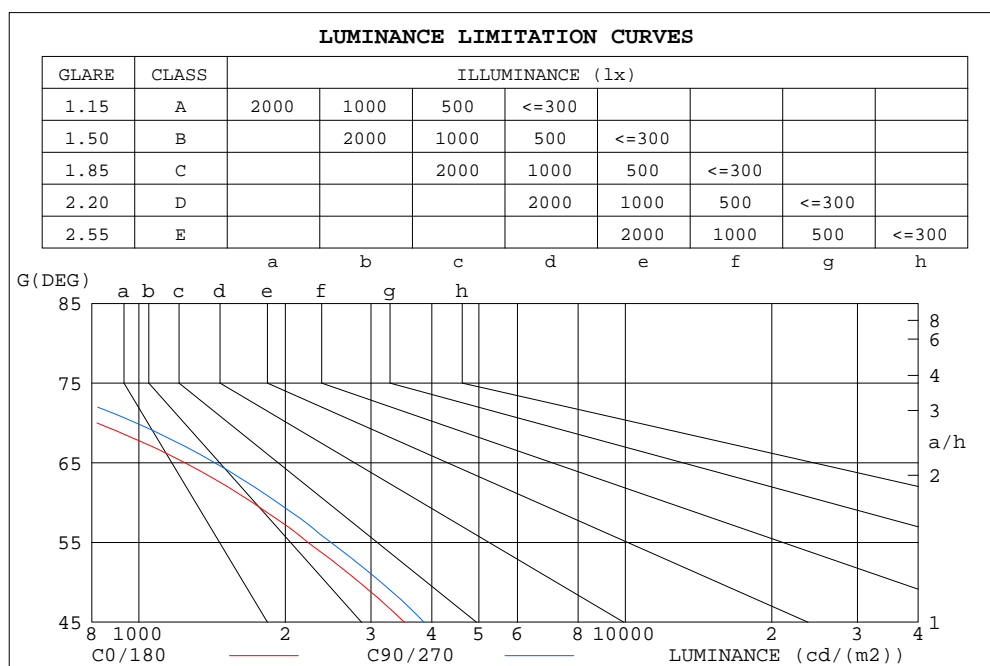
ZONAL FLUX DIAGRAM:

| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | Φ zone | Φ total | %lum, lamp |
|----------|--------------------------|--------|--------|--------|--------|--------|--------|--------|----------|-------------|--------------|------------|
| 10 | 172.6 | 185.5 | 202.7 | 213.3 | 260.8 | 242.0 | 193.2 | 182.6 | 0- 10 | 531.1 | 531.1 | 33.6,33.6 |
| 20 | 44.74 | 44.72 | 43.13 | 42.73 | 44.60 | 44.03 | 43.18 | 44.77 | 10- 20 | 216.9 | 748.0 | 47.3,47.3 |
| 30 | 41.22 | 41.95 | 39.65 | 38.76 | 41.91 | 41.46 | 39.73 | 42.43 | 20- 30 | 197.5 | 945.5 | 59.8,59.8 |
| 40 | 31.39 | 32.72 | 33.73 | 32.08 | 34.28 | 32.84 | 31.98 | 33.46 | 30- 40 | 231.3 | 1177 | 74.4,74.4 |
| 50 | 18.24 | 19.25 | 20.25 | 20.21 | 20.76 | 19.84 | 18.94 | 18.62 | 40- 50 | 202.0 | 1379 | 87.2,87.2 |
| 60 | 8.562 | 9.103 | 9.648 | 9.884 | 9.907 | 9.390 | 8.860 | 8.520 | 50- 60 | 124.3 | 1503 | 95.1,95.1 |
| 70 | 2.801 | 3.095 | 3.377 | 3.541 | 3.546 | 3.261 | 2.982 | 2.862 | 60- 70 | 58.27 | 1561 | 98.8,98.8 |
| 80 | 0.3958 | 0.4675 | 0.5507 | 0.5908 | 0.6050 | 0.5150 | 0.4301 | 0.3985 | 70- 80 | 16.62 | 1578 | 99.8,99.8 |
| 90 | 0 | 0.0001 | 0.0008 | 0.0053 | 0.0066 | 0.0010 | 0 | 0 | 80- 90 | 1.643 | 1580 | 99.9,99.9 |
| 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 90-100 | 0.0009 | 1580 | 99.9,99.9 |
| 110 | 0.0012 | 0.0012 | 0.0007 | 0.0008 | 0.0013 | 0.0016 | 0.0017 | 0.0017 | 100-110 | 0.0033 | 1580 | 99.9,99.9 |
| 120 | 0.0057 | 0.0054 | 0.0047 | 0.0049 | 0.0071 | 0.0077 | 0.0080 | 0.0080 | 110-120 | 0.0344 | 1580 | 99.9,99.9 |
| 130 | 0.0127 | 0.0126 | 0.0118 | 0.0120 | 0.0176 | 0.0180 | 0.0182 | 0.0180 | 120-130 | 0.0933 | 1580 | 99.9,99.9 |
| 140 | 0.0241 | 0.0233 | 0.0225 | 0.0221 | 0.0325 | 0.0329 | 0.0333 | 0.0335 | 130-140 | 0.1570 | 1580 | 99.9,99.9 |
| 150 | 0.0676 | 0.0671 | 0.0665 | 0.0659 | 0.0923 | 0.0932 | 0.0949 | 0.0967 | 140-150 | 0.3155 | 1580 | 99.9,99.9 |
| 160 | 0.0588 | 0.0595 | 0.0597 | 0.0600 | 0.1410 | 0.1407 | 0.1404 | 0.1407 | 150-160 | 0.4368 | 1581 | 100,100 |
| 170 | 0.0601 | 0.0603 | 0.0609 | 0.0619 | 0.1246 | 0.1245 | 0.1226 | 0.1202 | 160-170 | 0.2794 | 1581 | 100,100 |
| 180 | 0.0574 | 0.0574 | 0.0569 | 0.0574 | 0.0597 | 0.0599 | 0.0598 | 0.0590 | 170-180 | 0.0784 | 1581 | 100,100 |
| DEG | LUMINOUS INTENSITY:×10cd | | | | | | | | | UNIT:lm | | |

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.2DEG
 Operators:Oliver
 Test Date:2018-05-18

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 γ Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity:65.0%
 Test Distance:2.464m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES



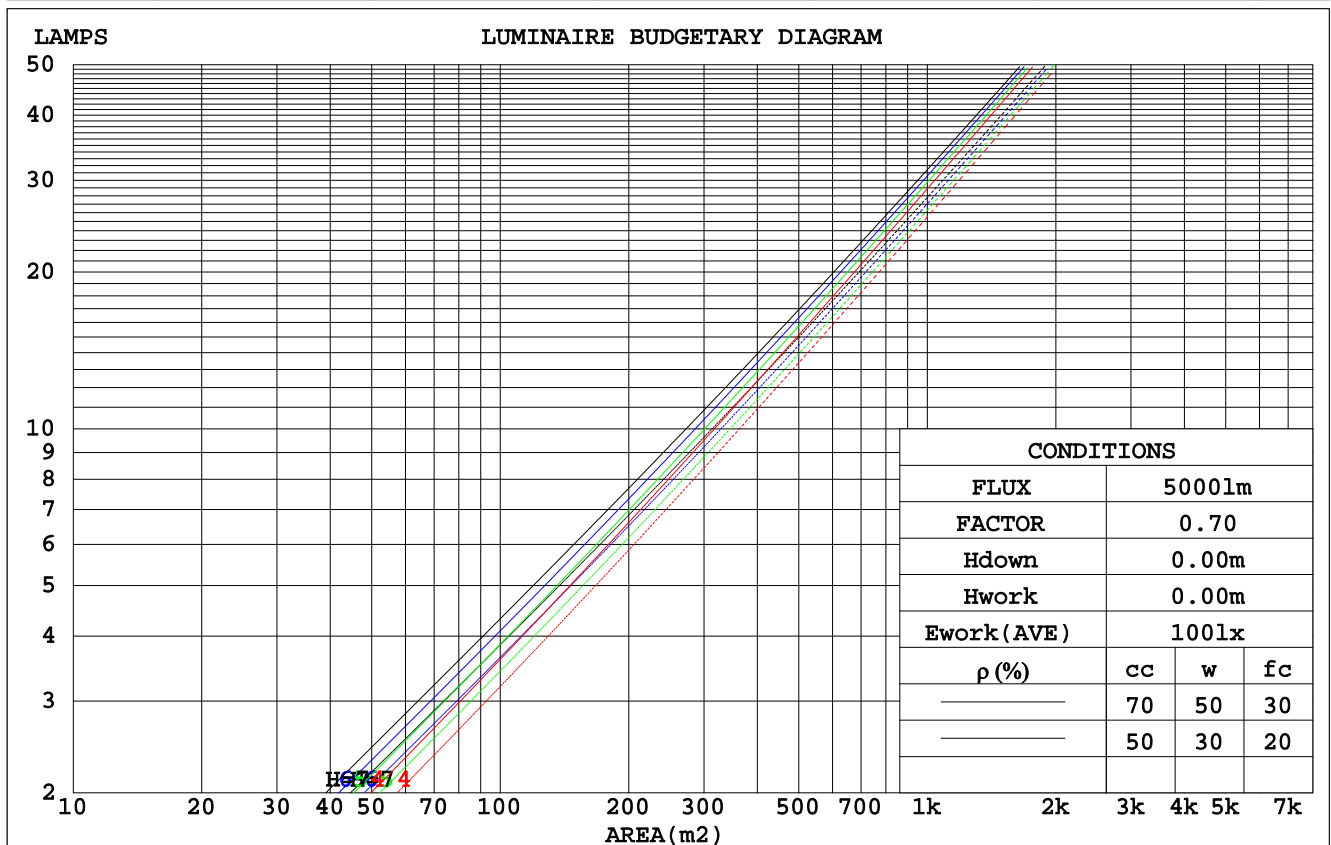
| LUMINANCE cd/(m2) | | |
|-------------------|--------|---------|
| G(DEG) | C0/180 | C90/270 |
| 85 | 85 | 137 |
| 80 | 228 | 317 |
| 75 | 486 | 599 |
| 70 | 820 | 987 |
| 65 | 1244 | 1432 |
| 60 | 1715 | 1928 |
| 55 | 2227 | 2484 |
| 50 | 2842 | 3149 |
| 45 | 3513 | 3854 |

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.2DEG
 Operators: Oliver
 Test Date: 2018-05-18

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity: 65.0%
 Test Distance: 2.464m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| 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 | | | | | | 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 | 1.10 | 1.07 | 1.05 | 1.08 | 1.06 | 1.03 | 1.04 | 1.02 | 1.00 | 1.00 | .99 | .97 | .97 | .95 | .94 | .93 |
| 2.0 | 1.02 | .98 | .94 | 1.00 | .96 | .93 | .97 | .94 | .91 | .94 | .91 | .89 | .91 | .89 | .87 | .85 |
| 3.0 | .95 | .89 | .85 | .93 | .88 | .84 | .91 | .86 | .83 | .88 | .85 | .82 | .86 | .83 | .80 | .79 |
| 4.0 | .88 | .83 | .78 | .87 | .82 | .78 | .85 | .80 | .77 | .83 | .79 | .76 | .81 | .78 | .75 | .73 |
| 5.0 | .83 | .77 | .73 | .82 | .77 | .72 | .80 | .75 | .72 | .79 | .74 | .71 | .77 | .73 | .70 | .69 |
| 6.0 | .78 | .72 | .68 | .78 | .72 | .68 | .76 | .71 | .67 | .75 | .70 | .67 | .73 | .70 | .67 | .65 |
| 7.0 | .75 | .69 | .64 | .74 | .68 | .64 | .73 | .68 | .64 | .71 | .67 | .64 | .70 | .66 | .63 | .62 |
| 8.0 | .71 | .65 | .61 | .71 | .65 | .61 | .69 | .64 | .61 | .68 | .64 | .61 | .67 | .63 | .60 | .59 |
| 9.0 | .68 | .62 | .59 | .68 | .62 | .59 | .67 | .62 | .58 | .66 | .61 | .58 | .65 | .61 | .58 | .57 |
| 10.0 | .65 | .60 | .56 | .65 | .60 | .56 | .64 | .59 | .56 | .63 | .59 | .56 | .63 | .59 | .56 | .55 |



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.2DEG
 Operators: Oliver
 Test Date: 2018-05-18

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity: 65.0%
 Test Distance: 2.464m [K=1.0000]
 Remarks:

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 | .190 | .108 | .034 | .183 | .104 | .033 | .170 | .098 | .031 | .159 | .091 | .029 | .148 | .086 | .028 | |
| 2.0 | .182 | .100 | .031 | .177 | .097 | .030 | .166 | .092 | .029 | .156 | .088 | .027 | .147 | .083 | .026 | |
| 3.0 | .172 | .092 | .027 | .167 | .090 | .027 | .158 | .086 | .026 | .150 | .082 | .025 | .142 | .078 | .024 | |
| 4.0 | .162 | .084 | .025 | .158 | .082 | .024 | .150 | .079 | .024 | .142 | .076 | .023 | .135 | .074 | .022 | |
| 5.0 | .152 | .077 | .022 | .148 | .076 | .022 | .141 | .074 | .022 | .135 | .071 | .021 | .129 | .069 | .021 | |
| 6.0 | .143 | .071 | .020 | .139 | .070 | .020 | .133 | .068 | .020 | .128 | .066 | .020 | .122 | .064 | .019 | |
| 7.0 | .134 | .066 | .019 | .131 | .065 | .019 | .126 | .064 | .018 | .121 | .062 | .018 | .116 | .060 | .018 | |
| 8.0 | .127 | .062 | .017 | .124 | .061 | .017 | .119 | .060 | .017 | .115 | .058 | .017 | .111 | .057 | .017 | |
| 9.0 | .120 | .058 | .016 | .117 | .057 | .016 | .113 | .056 | .016 | .109 | .055 | .016 | .105 | .054 | .015 | |
| 10.0 | .113 | .054 | .015 | .111 | .054 | .015 | .107 | .053 | .015 | .104 | .052 | .015 | .100 | .051 | .015 | |

| 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 | .173 | .158 | .145 | .148 | .136 | .124 | .101 | .093 | .086 | .058 | .054 | .050 | .019 | .017 | .016 | |
| 2.0 | .158 | .133 | .112 | .136 | .115 | .097 | .093 | .079 | .067 | .054 | .046 | .040 | .017 | .015 | .013 | |
| 3.0 | .146 | .114 | .089 | .125 | .099 | .077 | .086 | .069 | .054 | .050 | .040 | .032 | .016 | .013 | .010 | |
| 4.0 | .136 | .100 | .072 | .117 | .086 | .063 | .080 | .060 | .044 | .046 | .035 | .026 | .015 | .011 | .009 | |
| 5.0 | .127 | .088 | .060 | .109 | .076 | .052 | .075 | .053 | .037 | .044 | .031 | .022 | .014 | .010 | .007 | |
| 6.0 | .119 | .079 | .050 | .102 | .068 | .044 | .071 | .048 | .031 | .041 | .028 | .018 | .013 | .009 | .006 | |
| 7.0 | .112 | .071 | .043 | .096 | .062 | .037 | .066 | .043 | .026 | .039 | .025 | .016 | .012 | .008 | .005 | |
| 8.0 | .105 | .065 | .037 | .091 | .056 | .032 | .063 | .039 | .023 | .036 | .023 | .014 | .012 | .008 | .005 | |
| 9.0 | .099 | .059 | .032 | .086 | .052 | .028 | .059 | .036 | .020 | .035 | .021 | .012 | .011 | .007 | .004 | |
| 10.0 | .094 | .055 | .029 | .081 | .048 | .025 | .056 | .033 | .018 | .033 | .020 | .011 | .011 | .006 | .004 | |

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.2DEG
 Operators: Oliver
 Test Date: 2018-05-18

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity: 65.0%
 Test Distance: 2.464m [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 | 12.0 | 13.0 | 12.2 | 13.1 | 13.3 | 12.5 | 13.4 | 12.7 | 13.6 | 13.8 |
| 3H | 12.2 | 13.1 | 12.5 | 13.3 | 13.6 | 12.8 | 13.7 | 13.1 | 13.9 | 14.1 |
| 4H | 12.2 | 13.1 | 12.5 | 13.3 | 13.5 | 12.8 | 13.7 | 13.1 | 13.9 | 14.1 |
| 6H | 12.2 | 13.0 | 12.5 | 13.2 | 13.5 | 12.7 | 13.6 | 13.0 | 13.8 | 14.1 |
| 8H | 12.1 | 12.9 | 12.4 | 13.2 | 13.4 | 12.7 | 13.5 | 13.0 | 13.7 | 14.0 |
| 12H | 12.1 | 12.8 | 12.4 | 13.1 | 13.4 | 12.7 | 13.4 | 13.0 | 13.7 | 14.0 |
| 4H 2H | 12.2 | 13.0 | 12.5 | 13.3 | 13.5 | 12.6 | 13.5 | 12.9 | 13.7 | 13.9 |
| 3H | 12.5 | 13.3 | 12.8 | 13.5 | 13.8 | 13.0 | 13.7 | 13.3 | 14.0 | 14.3 |
| 4H | 12.5 | 13.2 | 12.9 | 13.5 | 13.8 | 13.0 | 13.7 | 13.4 | 14.0 | 14.3 |
| 6H | 12.5 | 13.1 | 12.8 | 13.4 | 13.7 | 13.0 | 13.6 | 13.4 | 13.9 | 14.3 |
| 8H | 12.4 | 13.0 | 12.8 | 13.3 | 13.7 | 12.9 | 13.5 | 13.3 | 13.9 | 14.2 |
| 12H | 12.4 | 12.9 | 12.8 | 13.3 | 13.6 | 12.9 | 13.4 | 13.3 | 13.8 | 14.2 |
| 8H 4H | 12.4 | 13.0 | 12.8 | 13.4 | 13.7 | 12.9 | 13.5 | 13.3 | 13.8 | 14.2 |
| 6H | 12.4 | 12.9 | 12.8 | 13.3 | 13.7 | 12.9 | 13.4 | 13.3 | 13.8 | 14.2 |
| 8H | 12.4 | 12.8 | 12.8 | 13.2 | 13.6 | 12.9 | 13.3 | 13.3 | 13.7 | 14.1 |
| 12H | 12.3 | 12.6 | 12.8 | 13.1 | 13.6 | 12.8 | 13.2 | 13.3 | 13.6 | 14.1 |
| 12H 4H | 12.4 | 12.9 | 12.8 | 13.3 | 13.7 | 12.9 | 13.4 | 13.3 | 13.8 | 14.2 |
| 6H | 12.3 | 12.8 | 12.8 | 13.2 | 13.6 | 12.9 | 13.3 | 13.3 | 13.7 | 14.1 |
| 8H | 12.3 | 12.7 | 12.8 | 13.1 | 13.6 | 12.8 | 13.2 | 13.3 | 13.6 | 14.1 |
| Variations with the observer position at spacings: | | | | | | | | | | |
| S = 1.0H | + 1.0 / - 1.3 | | | | | + 1.0 / - 1.2 | | | | |
| 1.5H | + 0.4 / - 0.6 | | | | | + 0.6 / - 0.7 | | | | |
| 2.0H | + 1.9 / - 2.0 | | | | | + 2.0 / - 2.1 | | | | |

CIE Pub.117, 1581 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 1.6$)

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.2DEG
 Operators: Oliver
 Test Date: 2018-05-18

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity: 65.0%
 Test Distance: 2.464m [K=1.0000]
 Remarks:

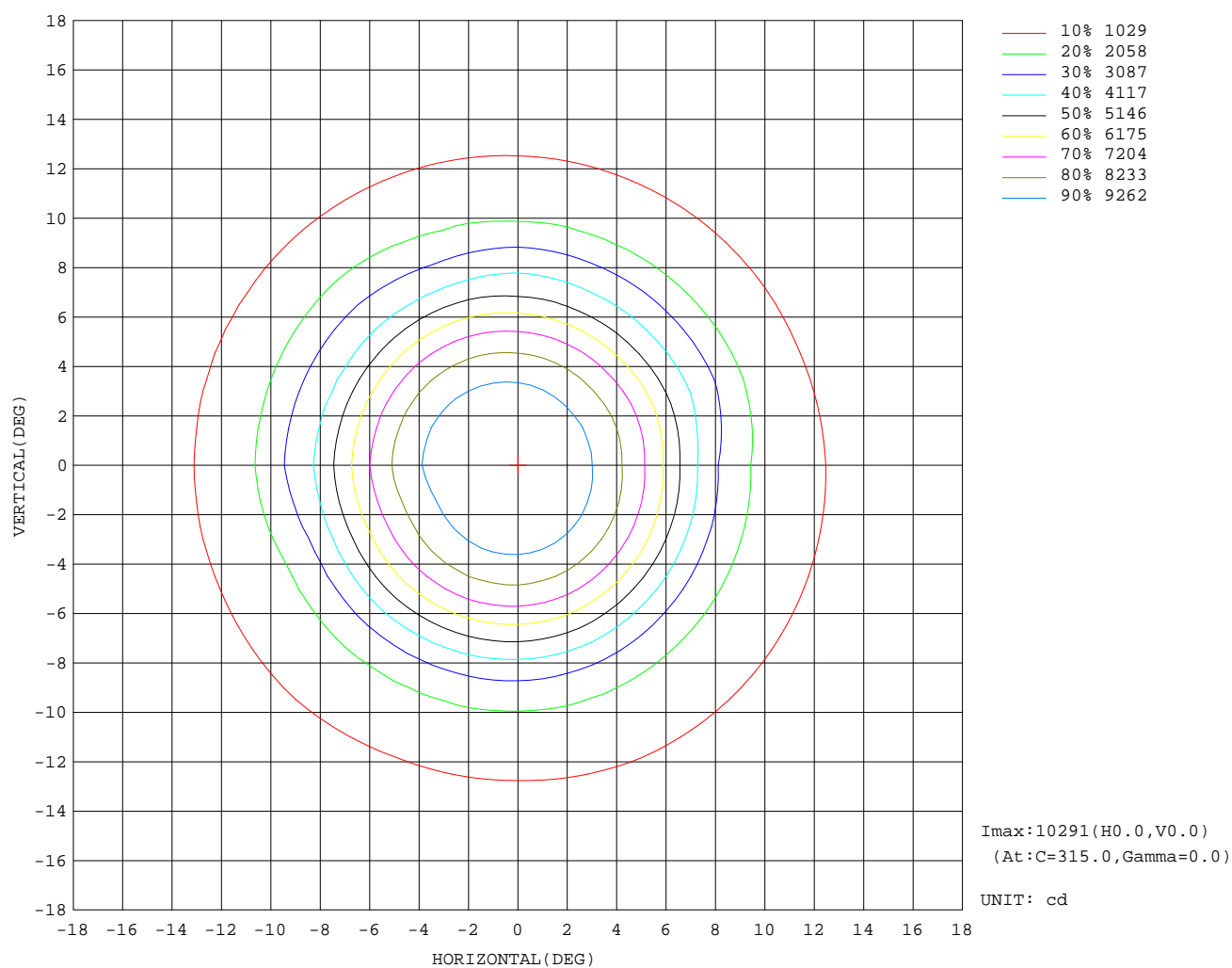
UTILIZATION FACTORS TABLE

| 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 | 67 | 62 | 75 | 67 | 62 | 74 | 66 | 62 | 57 |
| 0.80 | 84 | 76 | 71 | 83 | 76 | 71 | 82 | 75 | 71 | 66 |
| 1.00 | 91 | 83 | 78 | 90 | 83 | 78 | 88 | 83 | 78 | 72 |
| 1.25 | 96 | 89 | 85 | 95 | 89 | 84 | 93 | 87 | 83 | 78 |
| 1.50 | 100 | 94 | 89 | 99 | 93 | 88 | 96 | 91 | 87 | 82 |
| 2.00 | 104 | 99 | 95 | 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 | 98 | 91 |
| 4.00 | 111 | 108 | 105 | 109 | 106 | 103 | 105 | 103 | 101 | 93 |
| 5.00 | 113 | 110 | 107 | 111 | 108 | 106 | 107 | 105 | 103 | 95 |
| 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: 25.2DEG
 Operators: Oliver
 Test Date: 2018-05-18

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity: 65.0%
 Test Distance: 2.464m [K=1.0000]
 Remarks:

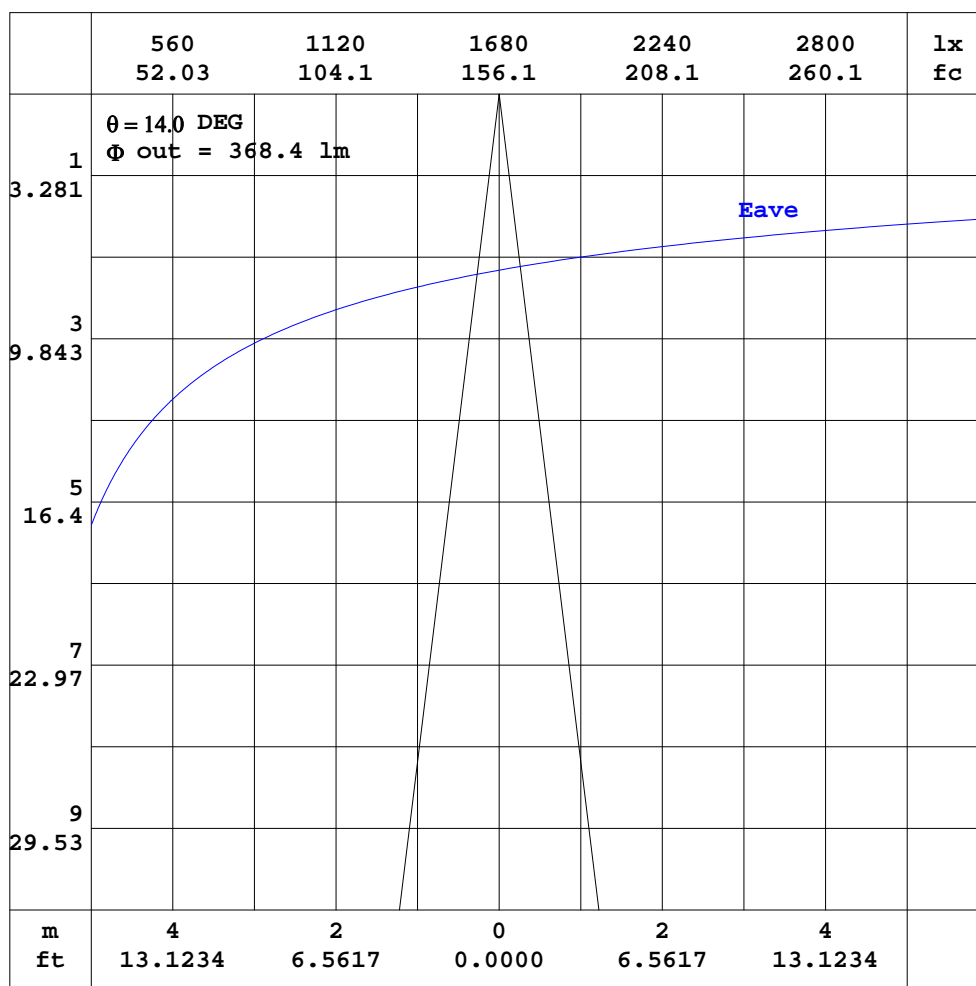
ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.2DEG
Operators:Oliver
Test Date:2018-05-18

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:2.464m [K=1.0000]
Remarks:

AAI CURVES

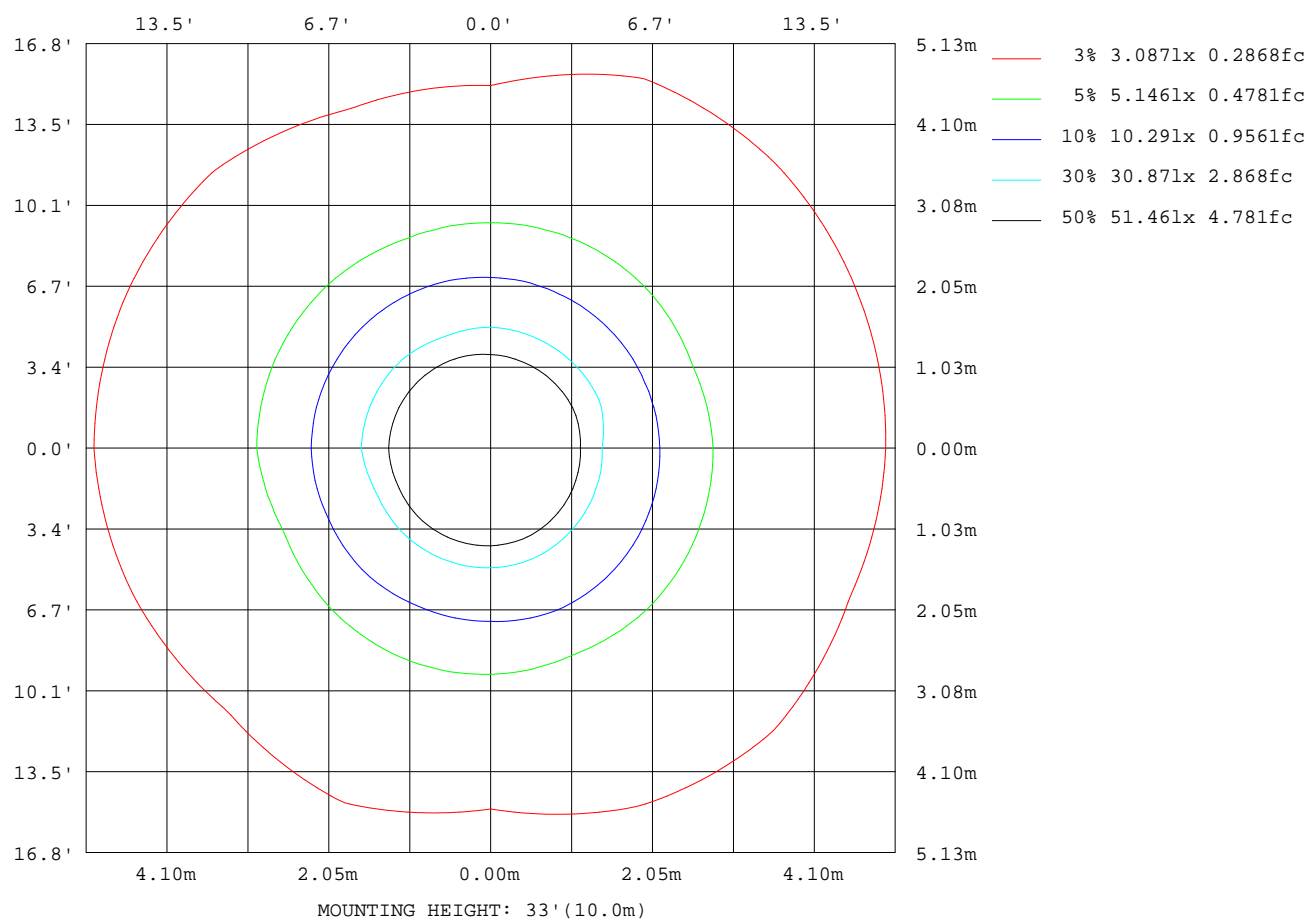


Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.2DEG
 Operators: Oliver
 Test Date: 2018-05-18

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity: 65.0%
 Test Distance: 2.464m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.2DEG
Operators: Oliver
Test Date: 2018-05-18

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.366
Humidity: 65.0%
Test Distance: 2.464m [K=1.0000]
Remarks:

LED Avg.L Report

| | | |
|--|-------------------------|------------------|
| Test:U:120.07V I:0.4001A P:29.250W PF:0.6093 Freq:60.00Hz Lamp Flux:1581.01x1 lm | | |
| NAME: 5212-40BZ-15°-31W | TYPE:Landscape Lighting | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: WAC Lighting | SUR.: | Shielding Angle: |

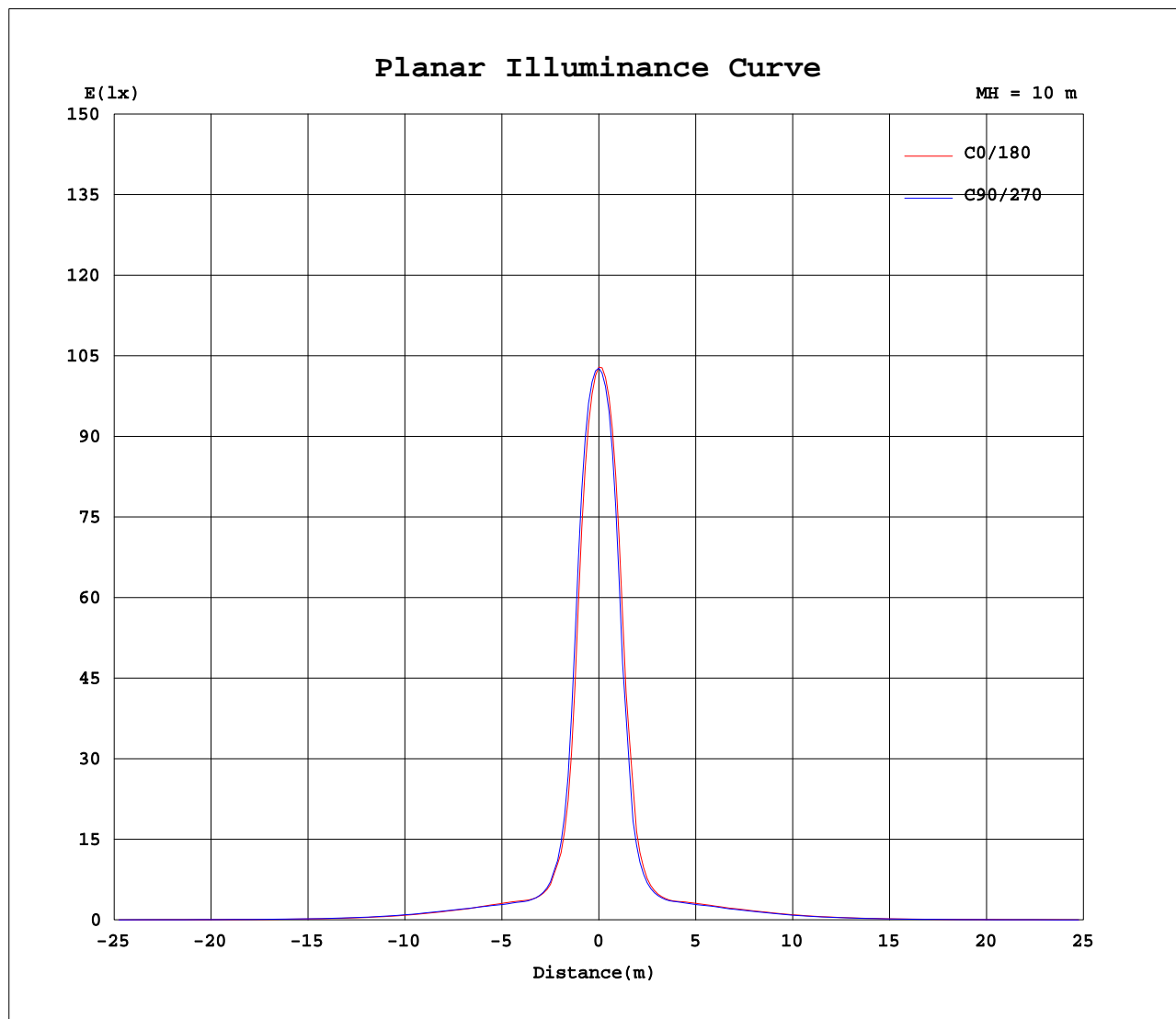
| AvgL | cd/m2 |
|----------------|-------|
| L_0~180(65)av | 1363 |
| L_0~180(75)av | 567 |
| L_0~180(85)av | 122 |
| L_90~270(65)av | 1362 |
| L_90~270(75)av | 554 |
| L_90~270(85)av | 119 |
| L_45(65)av | 1366 |
| L_45(75)av | 556 |
| L_45(85)av | 121 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.2DEG
 Operators:Oliver
 Test Date:2018-05-18

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity:65.0%
 Test Distance:2.464m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.2DEG
Operators: Oliver
Test Date: 2018-05-18

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.366
Humidity: 65.0%
Test Distance: 2.464m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--1

UNIT: ×10cd

| 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 | 1028 | 1028 | 1028 | 1028 | 1028 | 1028 | 1028 | 1028 | 1028 | 1028 | 1028 | 1028 | 1028 | 1028 | 1028 | 1028 | | | |
| 5 | 738 | 755 | 777 | 797 | 810 | 818 | 817 | 815 | 834 | 828 | 813 | 796 | 776 | 761 | 749 | 749 | | | |
| 10 | 173 | 178 | 185 | 196 | 203 | 205 | 213 | 216 | 261 | 252 | 242 | 206 | 193 | 184 | 183 | 184 | | | |
| 15 | 62.6 | 63.3 | 64.2 | 63.2 | 66.2 | 67.0 | 66.6 | 65.0 | 71.3 | 70.6 | 68.7 | 65.4 | 65.2 | 64.5 | 63.3 | 60.8 | | | |
| 20 | 44.7 | 44.7 | 44.7 | 43.6 | 43.1 | 43.5 | 42.7 | 41.9 | 44.6 | 44.5 | 44.0 | 43.0 | 43.2 | 44.6 | 44.8 | 43.4 | | | |
| 25 | 43.8 | 43.3 | 44.2 | 43.0 | 40.8 | 42.9 | 41.9 | 43.0 | 43.7 | 43.6 | 43.4 | 41.4 | 41.0 | 44.2 | 44.5 | 44.1 | | | |
| 30 | 41.2 | 40.3 | 42.0 | 41.5 | 39.6 | 41.0 | 38.8 | 41.2 | 41.9 | 42.0 | 41.5 | 38.0 | 39.7 | 42.0 | 42.4 | 41.8 | | | |
| 35 | 36.1 | 35.7 | 37.3 | 38.6 | 37.5 | 37.6 | 35.1 | 37.8 | 38.4 | 38.5 | 37.1 | 34.1 | 36.0 | 36.6 | 38.1 | 36.7 | | | |
| 40 | 31.4 | 31.2 | 32.7 | 34.6 | 33.7 | 33.7 | 32.1 | 33.7 | 34.3 | 34.4 | 32.8 | 30.6 | 32.0 | 32.2 | 33.5 | 32.0 | | | |
| 45 | 24.8 | 24.9 | 26.1 | 27.5 | 27.3 | 27.5 | 26.6 | 27.5 | 27.8 | 27.8 | 26.6 | 25.0 | 25.6 | 25.4 | 25.7 | 25.3 | | | |
| 50 | 18.2 | 18.4 | 19.3 | 20.0 | 20.3 | 20.6 | 20.2 | 20.6 | 20.8 | 20.5 | 19.8 | 18.7 | 18.9 | 18.7 | 18.6 | 18.6 | | | |
| 55 | 12.8 | 12.9 | 13.5 | 13.9 | 14.3 | 14.6 | 14.4 | 14.6 | 14.7 | 14.4 | 14.0 | 13.3 | 13.3 | 13.0 | 12.9 | 13.0 | | | |
| 60 | 8.56 | 8.74 | 9.10 | 9.36 | 9.65 | 9.95 | 9.88 | 9.89 | 9.91 | 9.66 | 9.39 | 8.94 | 8.86 | 8.62 | 8.52 | 8.61 | | | |
| 65 | 5.25 | 5.41 | 5.66 | 5.86 | 6.06 | 6.27 | 6.29 | 6.26 | 6.27 | 6.10 | 5.88 | 5.61 | 5.46 | 5.31 | 5.25 | 5.30 | | | |
| 70 | 2.80 | 2.93 | 3.10 | 3.24 | 3.38 | 3.51 | 3.54 | 3.51 | 3.55 | 3.42 | 3.26 | 3.08 | 2.98 | 2.89 | 2.86 | 2.89 | | | |
| 75 | 1.26 | 1.29 | 1.38 | 1.47 | 1.55 | 1.61 | 1.64 | 1.64 | 1.68 | 1.59 | 1.49 | 1.38 | 1.32 | 1.27 | 1.25 | 1.27 | | | |
| 80 | 0.40 | 0.43 | 0.47 | 0.51 | 0.55 | 0.58 | 0.59 | 0.59 | 0.61 | 0.56 | 0.51 | 0.47 | 0.43 | 0.40 | 0.40 | 0.41 | | | |
| 85 | 0.07 | 0.08 | 0.09 | 0.11 | 0.12 | 0.13 | 0.14 | 0.14 | 0.14 | 0.13 | 0.11 | 0.10 | 0.09 | 0.08 | 0.08 | 0.08 | | | |
| 90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 | 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 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | | | |
| 125 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | | | |
| 130 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | | | |
| 135 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | | | |
| 140 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | | | |
| 145 | 0.05 | 0.05 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.05 | 0.05 | 0.05 | 0.05 | 0.06 | 0.06 | 0.06 | 0.06 | | | |
| 150 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.10 | 0.10 | | | |
| 155 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | | | |
| 160 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | | | |
| 165 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | | | |
| 170 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | | | |
| 175 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.07 | 0.07 | 0.07 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | | | |
| 180 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | | | |

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 Temperature: 25.2DEG
 Operators: Oliver
 Test Date: 2018-05-18

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity: 65.0%
 Test Distance: 2.464m [K=1.0000]
 Remarks: