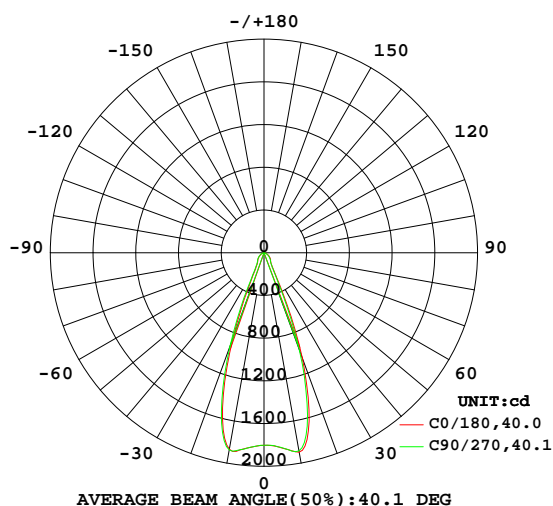


LUMINAIRE PHOTOMETRIC TEST REPORT

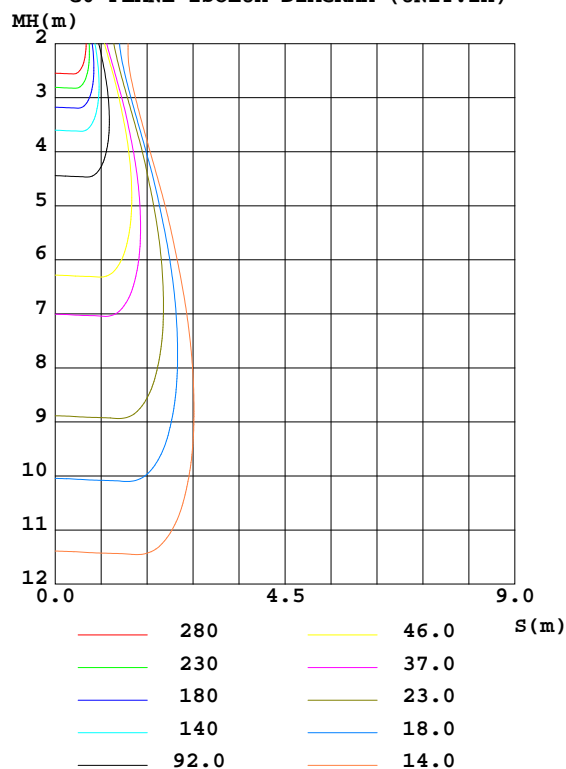
| | | |
|--|-------------------------|------------------|
| Test:U:120.00V I:0.2081A P:13.090W PF:0.5239 Freq:60.00Hz Lamp Flux:1008.76x1 lm | | |
| NAME: 5212-40BZ-40°-13W | TYPE:Landscape Lighting | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: WAC Lighting | SUR.: | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 77.06 lm/W | | | |
|------------------|---------|----------------------------------|--------|------------------------|----------|
| MODEL | | Imax(cd) | 1903 | S/MH(C0/180) | 0.62 |
| NOMINAL POWER(W) | | LOR(%) | 100.0 | S/MH(C90/270) | 0.60 |
| RATED VOLTAGE(V) | 120 | TOTAL FLUX(lm) | 1008.8 | η UP,DN(C0-180) | 0.0,49.4 |
| NOMINAL FLUX(lm) | 1008.76 | CIE CLASS | DIRECT | η UP,DN(C180-360) | 0.1,50.5 |
| LAMPS INSIDE | 1 | η up(%) | 0.1 | CIBSE SHR NOM | 0.50 |
| TEST VOLTAGE(V) | 120 | η down(%) | 99.9 | CIBSE SHR MAX | 0.60 |

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

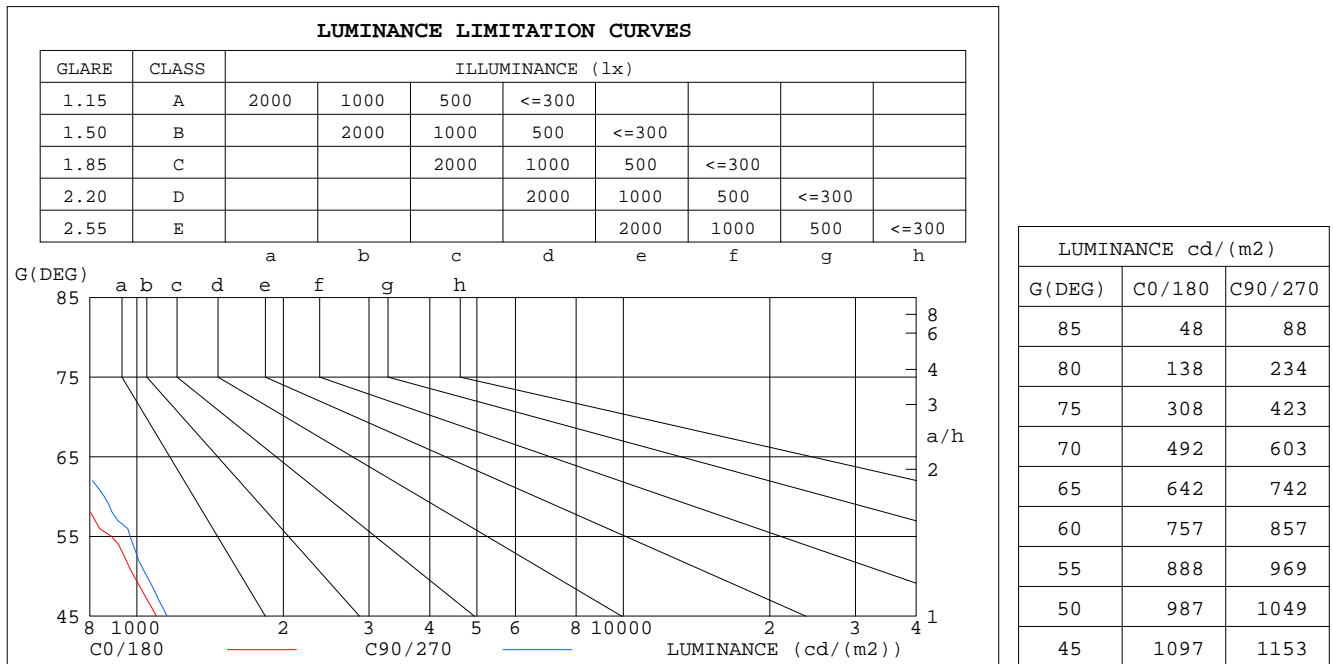
ZONAL FLUX DIAGRAM:

| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | Φ zone | Φ total | %lum, lamp |
|----------|-----------------------|--------|--------|--------|--------|--------|--------|--------|----------|-------------|--------------|------------|
| 10 | 1869 | 1874 | 1875 | 1889 | 1896 | 1892 | 1884 | 1883 | 0- 10 | 177.2 | 177.2 | 17.6,17.6 |
| 20 | 851.8 | 888.4 | 930.4 | 989.5 | 1047 | 1030 | 970.8 | 916.6 | 10- 20 | 415.3 | 592.4 | 58.7,58.7 |
| 30 | 137.9 | 144.8 | 153.8 | 160.0 | 165.7 | 165.3 | 155.7 | 147.8 | 20- 30 | 189.2 | 781.6 | 77.5,77.5 |
| 40 | 90.84 | 92.04 | 94.06 | 97.70 | 97.54 | 96.50 | 93.99 | 92.40 | 30- 40 | 71.23 | 852.8 | 84.5,84.5 |
| 50 | 62.99 | 64.98 | 67.46 | 74.38 | 73.33 | 70.96 | 66.32 | 64.73 | 40- 50 | 63.16 | 916.0 | 90.8,90.8 |
| 60 | 37.57 | 39.91 | 42.91 | 45.27 | 45.98 | 43.79 | 40.29 | 38.29 | 50- 60 | 49.01 | 965.0 | 95.7,95.7 |
| 70 | 16.69 | 18.24 | 20.66 | 22.67 | 23.11 | 21.22 | 18.68 | 17.15 | 60- 70 | 30.14 | 995.1 | 98.6,98.6 |
| 80 | 2.384 | 3.043 | 4.058 | 4.965 | 5.149 | 4.222 | 3.350 | 2.786 | 70- 80 | 11.43 | 1007 | 99.8,99.8 |
| 90 | 0 | 0.0002 | 0.0037 | 0.0448 | 0.0758 | 0.0262 | 0 | 0 | 80- 90 | 1.194 | 1008 | 99.9,99.9 |
| 100 | 0 | 0 | 0 | 0 | 0 | 0.0000 | 0.0010 | 0.0021 | 90-100 | 0.0011 | 1008 | 99.9,99.9 |
| 110 | 0.0087 | 0.0065 | 0.0057 | 0.0041 | 0.0047 | 0.0066 | 0.0076 | 0.0082 | 100-110 | 0.0025 | 1008 | 99.9,99.9 |
| 120 | 0.0248 | 0.0223 | 0.0203 | 0.0189 | 0.0232 | 0.0250 | 0.0269 | 0.0278 | 110-120 | 0.0137 | 1008 | 99.9,99.9 |
| 130 | 0.0815 | 0.0786 | 0.0739 | 0.0692 | 0.0855 | 0.0900 | 0.0950 | 0.1009 | 120-130 | 0.0401 | 1008 | 99.9,99.9 |
| 140 | 0.2042 | 0.2011 | 0.1952 | 0.1897 | 0.3189 | 0.3272 | 0.3402 | 0.3519 | 130-140 | 0.1276 | 1008 | 99.9,99.9 |
| 150 | 0.3763 | 0.3762 | 0.3710 | 0.3657 | 0.6586 | 0.6659 | 0.6813 | 0.6914 | 140-150 | 0.2460 | 1008 | 99.9,99.9 |
| 160 | 0.5073 | 0.5064 | 0.5041 | 0.5008 | 0.9253 | 0.9294 | 0.9373 | 0.9394 | 150-160 | 0.2879 | 1008 | 100,100 |
| 170 | 0.5779 | 0.5818 | 0.5834 | 0.5852 | 0.9798 | 0.9800 | 0.9747 | 0.9665 | 160-170 | 0.2165 | 1009 | 100,100 |
| 180 | 0.7568 | 0.7603 | 0.7550 | 0.7442 | 0.7591 | 0.7619 | 0.7601 | 0.7497 | 170-180 | 0.0726 | 1009 | 100,100 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | 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

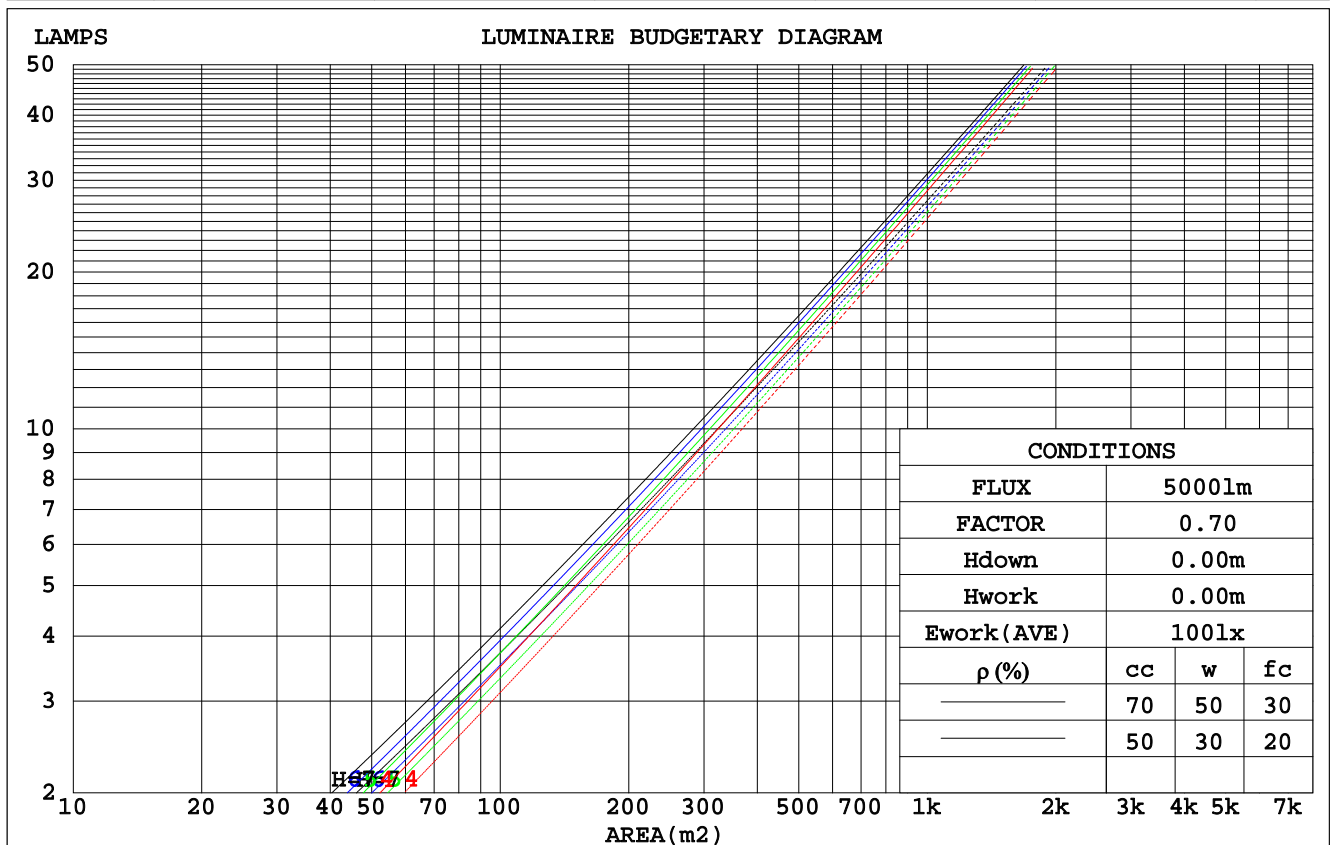


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.2DEG
Operators: Oliver
Test Date: 2018-05-18

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 |
|------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|-----|
| 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 | 1.11 | 1.08 | 1.06 | 1.08 | 1.06 | 1.04 | 1.04 | 1.03 | 1.01 | 1.01 | .99 | .98 | .97 | .96 | .95 | .93 |
| 2.0 | 1.03 | .99 | .96 | 1.01 | .98 | .94 | .98 | .95 | .92 | .95 | .93 | .90 | .92 | .90 | .88 | .87 |
| 3.0 | .96 | .91 | .88 | .95 | .90 | .87 | .92 | .89 | .85 | .90 | .87 | .84 | .88 | .85 | .83 | .81 |
| 4.0 | .91 | .85 | .81 | .89 | .84 | .81 | .87 | .83 | .80 | .85 | .82 | .79 | .83 | .80 | .78 | .76 |
| 5.0 | .86 | .80 | .76 | .85 | .79 | .75 | .83 | .78 | .75 | .81 | .77 | .74 | .80 | .76 | .73 | .72 |
| 6.0 | .81 | .75 | .71 | .80 | .75 | .71 | .79 | .74 | .71 | .77 | .73 | .70 | .76 | .73 | .70 | .68 |
| 7.0 | .77 | .72 | .68 | .76 | .71 | .67 | .75 | .70 | .67 | .74 | .70 | .67 | .73 | .69 | .66 | .65 |
| 8.0 | .74 | .68 | .64 | .73 | .68 | .64 | .72 | .67 | .64 | .71 | .67 | .64 | .70 | .66 | .63 | .62 |
| 9.0 | .70 | .65 | .61 | .70 | .65 | .61 | .69 | .64 | .61 | .68 | .64 | .61 | .67 | .63 | .61 | .59 |
| 10.0 | .67 | .62 | .59 | .67 | .62 | .59 | .66 | .62 | .58 | .66 | .61 | .58 | .65 | .61 | .58 | .57 |



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 | .181 | .103 | .033 | .174 | .099 | .032 | .161 | .093 | .030 | .150 | .086 | .028 | .139 | .081 | .026 | | |
| 2.0 | .171 | .094 | .029 | .166 | .091 | .028 | .155 | .086 | .027 | .145 | .081 | .026 | .136 | .077 | .024 | | |
| 3.0 | .161 | .086 | .026 | .156 | .084 | .025 | .147 | .080 | .024 | .139 | .076 | .023 | .131 | .073 | .022 | | |
| 4.0 | .151 | .079 | .023 | .147 | .077 | .023 | .139 | .074 | .022 | .132 | .071 | .021 | .125 | .068 | .021 | | |
| 5.0 | .142 | .073 | .021 | .139 | .071 | .021 | .132 | .069 | .020 | .126 | .066 | .020 | .120 | .064 | .019 | | |
| 6.0 | .134 | .067 | .019 | .131 | .066 | .019 | .125 | .064 | .019 | .120 | .062 | .018 | .114 | .060 | .018 | | |
| 7.0 | .127 | .063 | .018 | .124 | .062 | .018 | .119 | .060 | .017 | .114 | .059 | .017 | .110 | .057 | .017 | | |
| 8.0 | .120 | .059 | .017 | .118 | .058 | .016 | .113 | .057 | .016 | .109 | .055 | .016 | .105 | .054 | .016 | | |
| 9.0 | .115 | .055 | .015 | .112 | .055 | .015 | .108 | .054 | .015 | .104 | .052 | .015 | .101 | .051 | .015 | | |
| 10.0 | .109 | .052 | .015 | .107 | .052 | .014 | .104 | .051 | .014 | .100 | .050 | .014 | .097 | .049 | .014 | | |

| 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 | .191 | .191 | .191 | .163 | .163 | .163 | .112 | .112 | .112 | .064 | .064 | .064 | .020 | .020 | .020 | | |
| 1.0 | .172 | .158 | .145 | .147 | .136 | .125 | .101 | .093 | .087 | .058 | .054 | .050 | .019 | .017 | .016 | | |
| 2.0 | .157 | .133 | .113 | .134 | .115 | .098 | .092 | .079 | .068 | .053 | .046 | .040 | .017 | .015 | .013 | | |
| 3.0 | .144 | .114 | .090 | .124 | .099 | .078 | .085 | .069 | .055 | .049 | .040 | .032 | .016 | .013 | .011 | | |
| 4.0 | .133 | .100 | .074 | .115 | .086 | .064 | .079 | .060 | .045 | .046 | .035 | .027 | .015 | .011 | .009 | | |
| 5.0 | .124 | .088 | .061 | .107 | .076 | .053 | .073 | .053 | .038 | .043 | .031 | .022 | .014 | .010 | .007 | | |
| 6.0 | .116 | .078 | .051 | .100 | .068 | .045 | .069 | .048 | .032 | .040 | .028 | .019 | .013 | .009 | .006 | | |
| 7.0 | .109 | .071 | .044 | .094 | .061 | .038 | .065 | .043 | .027 | .038 | .025 | .016 | .012 | .008 | .005 | | |
| 8.0 | .103 | .064 | .038 | .089 | .056 | .033 | .061 | .039 | .023 | .036 | .023 | .014 | .012 | .008 | .005 | | |
| 9.0 | .097 | .059 | .033 | .084 | .051 | .029 | .058 | .036 | .020 | .034 | .021 | .012 | .011 | .007 | .004 | | |
| 10.0 | .092 | .054 | .029 | .080 | .047 | .025 | .055 | .033 | .018 | .032 | .020 | .011 | .010 | .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 | 8.2 | 9.1 | 8.4 | 9.3 | 9.4 | 8.5 | 9.4 | 8.8 | 9.6 | 9.8 |
| 3H | 8.9 | 9.8 | 9.2 | 10.0 | 10.2 | 9.5 | 10.3 | 9.7 | 10.5 | 10.7 |
| 4H | 9.1 | 9.9 | 9.4 | 10.1 | 10.3 | 9.7 | 10.5 | 9.9 | 10.7 | 10.9 |
| 6H | 9.1 | 9.8 | 9.4 | 10.0 | 10.3 | 9.7 | 10.4 | 10.0 | 10.7 | 10.9 |
| 8H | 9.0 | 9.7 | 9.3 | 10.0 | 10.3 | 9.7 | 10.4 | 10.0 | 10.6 | 10.9 |
| 12H | 9.0 | 9.7 | 9.3 | 9.9 | 10.2 | 9.6 | 10.3 | 9.9 | 10.6 | 10.9 |
| 4H 2H | 8.6 | 9.4 | 8.9 | 9.7 | 9.9 | 8.9 | 9.7 | 9.2 | 10.0 | 10.2 |
| 3H | 9.5 | 10.2 | 9.8 | 10.5 | 10.7 | 9.9 | 10.6 | 10.3 | 10.9 | 11.2 |
| 4H | 9.7 | 10.3 | 10.0 | 10.6 | 10.9 | 10.2 | 10.8 | 10.5 | 11.1 | 11.4 |
| 6H | 9.7 | 10.2 | 10.0 | 10.6 | 10.9 | 10.3 | 10.8 | 10.6 | 11.1 | 11.5 |
| 8H | 9.6 | 10.1 | 10.0 | 10.5 | 10.9 | 10.2 | 10.7 | 10.6 | 11.1 | 11.5 |
| 12H | 9.6 | 10.0 | 10.0 | 10.4 | 10.8 | 10.2 | 10.7 | 10.6 | 11.0 | 11.4 |
| 8H 4H | 9.7 | 10.2 | 10.1 | 10.6 | 10.9 | 10.2 | 10.7 | 10.6 | 11.1 | 11.4 |
| 6H | 9.7 | 10.1 | 10.1 | 10.5 | 10.9 | 10.3 | 10.7 | 10.7 | 11.1 | 11.5 |
| 8H | 9.7 | 10.0 | 10.1 | 10.5 | 10.9 | 10.2 | 10.6 | 10.7 | 11.0 | 11.5 |
| 12H | 9.6 | 9.9 | 10.1 | 10.4 | 10.8 | 10.2 | 10.5 | 10.7 | 11.0 | 11.4 |
| 12H 4H | 9.6 | 10.1 | 10.0 | 10.5 | 10.9 | 10.1 | 10.6 | 10.5 | 11.0 | 11.4 |
| 6H | 9.6 | 10.0 | 10.1 | 10.5 | 10.9 | 10.2 | 10.6 | 10.7 | 11.0 | 11.5 |
| 8H | 9.6 | 9.9 | 10.1 | 10.4 | 10.9 | 10.2 | 10.5 | 10.7 | 11.0 | 11.4 |
| Variations with the observer position at spacings: | | | | | | | | | | |
| S = 1.0H | + 0.5 / - 0.6 | | | | | + 0.4 / - 0.5 | | | | |
| 1.5H | + 0.2 / - 0.3 | | | | | + 0.2 / - 0.3 | | | | |
| 2.0H | + 0.8 / - 0.8 | | | | | + 0.7 / - 0.7 | | | | |

CIE Pub.117, 1009 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 0.0$)

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:

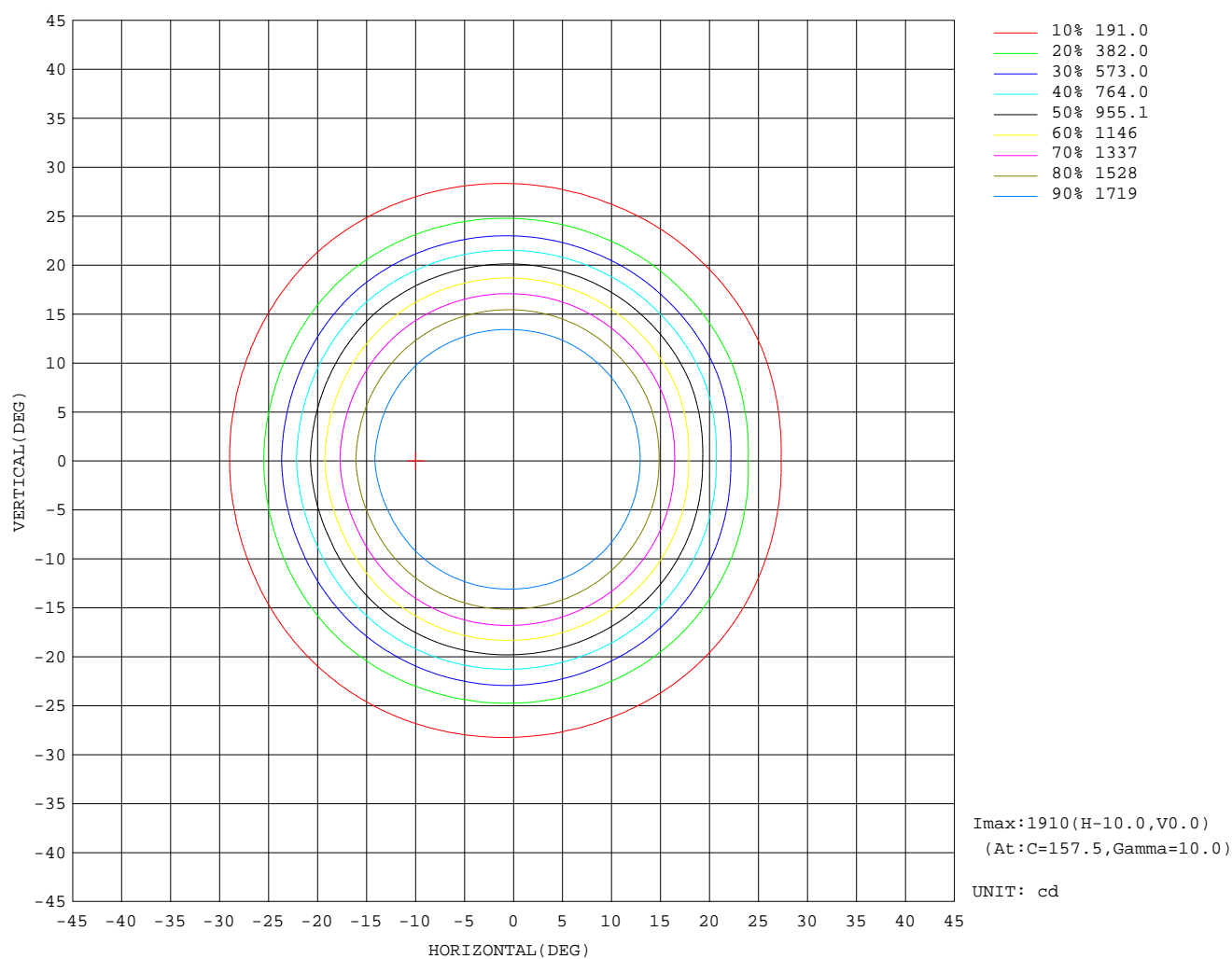
UTILIZATION FACTORS TABLE

| 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 | 82 | 75 | 70 | 81 | 74 | 70 | 80 | 74 | 70 | 66 |
| 0.80 | 90 | 83 | 79 | 89 | 83 | 78 | 88 | 82 | 78 | 74 |
| 1.00 | 95 | 89 | 84 | 94 | 88 | 84 | 92 | 88 | 83 | 79 |
| 1.25 | 100 | 94 | 89 | 99 | 93 | 89 | 96 | 92 | 88 | 84 |
| 1.50 | 103 | 97 | 93 | 101 | 96 | 93 | 99 | 95 | 92 | 87 |
| 2.00 | 106 | 101 | 98 | 105 | 100 | 97 | 102 | 98 | 95 | 90 |
| 2.50 | 108 | 104 | 100 | 107 | 103 | 99 | 103 | 100 | 98 | 91 |
| 3.00 | 110 | 106 | 103 | 108 | 105 | 102 | 105 | 102 | 100 | 93 |
| 4.00 | 113 | 109 | 107 | 110 | 108 | 105 | 107 | 104 | 103 | 95 |
| 5.00 | 114 | 111 | 109 | 112 | 110 | 108 | 108 | 106 | 104 | 97 |
| 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:

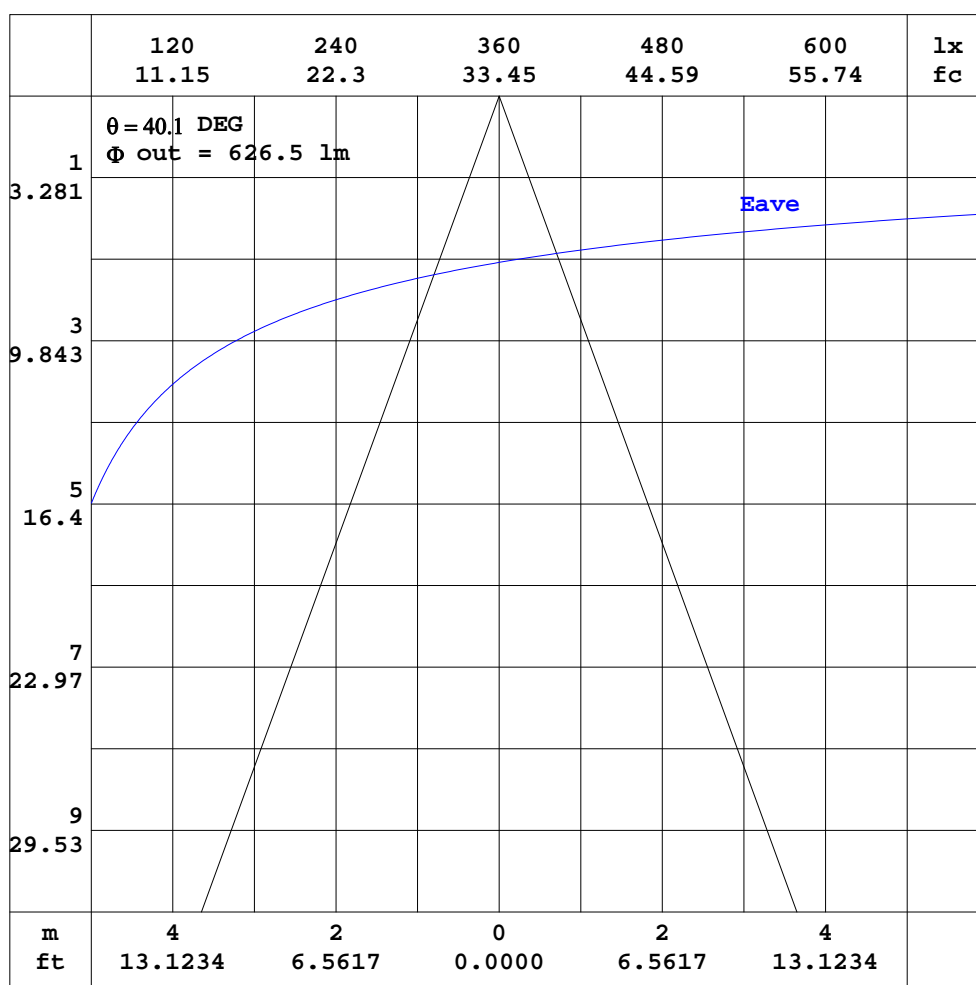
ISOCANDELA DIAGRAM



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

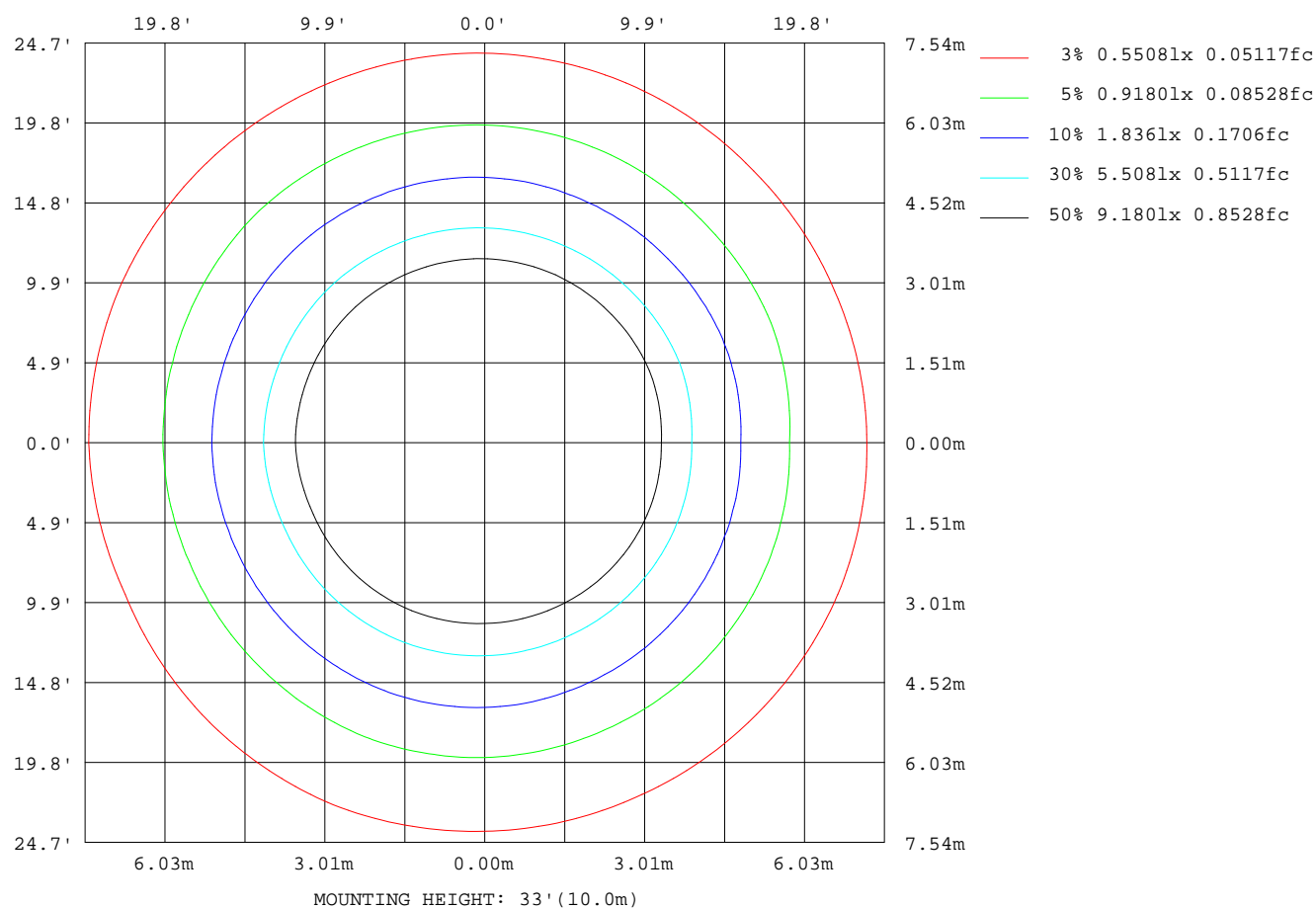


Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:120.00V I:0.2081A P:13.090W PF:0.5239 Freq:60.00Hz Lamp Flux:1008.76x1 lm | | |
| NAME: 5212-40BZ-40°-13W | TYPE:Landscape Lighting | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: WAC Lighting | SUR.: | Shielding Angle: |

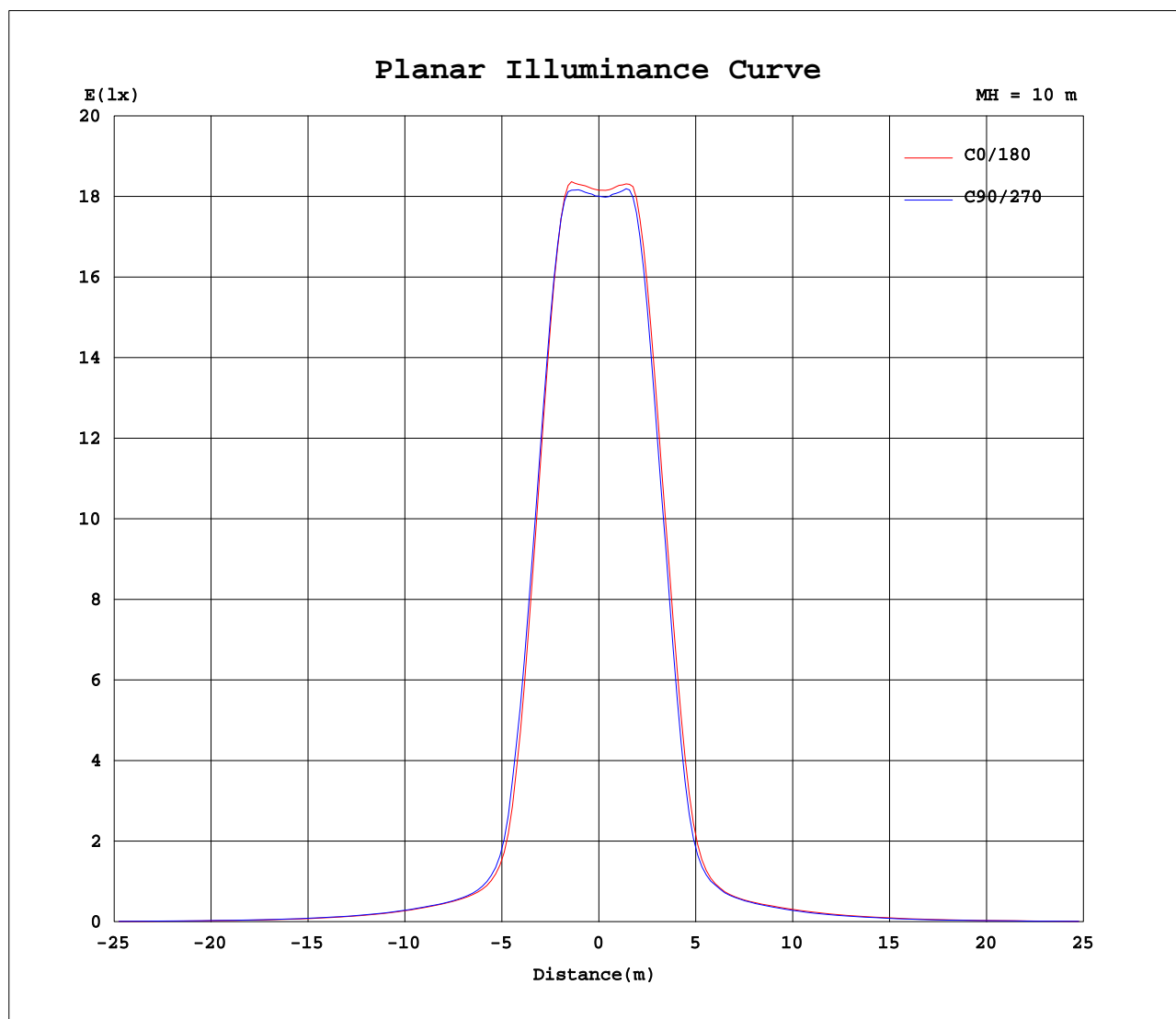
| AvgL | cd/m2 |
|----------------|-------|
| L_0~180(65)av | 724 |
| L_0~180(75)av | 403 |
| L_0~180(85)av | 82 |
| L_90~270(65)av | 715 |
| L_90~270(75)av | 397 |
| L_90~270(85)av | 81 |
| L_45(65)av | 720 |
| L_45(75)av | 402 |
| L_45(85)av | 81 |

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: 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 | 1803 | 1803 | 1803 | 1803 | 1803 | 1803 | 1803 | 1803 | 1803 | 1803 | 1803 | 1803 | 1803 | 1803 | 1803 | 1803 | | | |
| 5 | 1836 | 1837 | 1841 | 1839 | 1837 | 1838 | 1836 | 1839 | 1832 | 1830 | 1829 | 1830 | 1830 | 1830 | 1830 | 1830 | | | |
| 10 | 1869 | 1872 | 1874 | 1873 | 1875 | 1880 | 1889 | 1903 | 1896 | 1897 | 1892 | 1889 | 1884 | 1887 | 1883 | 1881 | | | |
| 15 | 1501 | 1512 | 1521 | 1529 | 1545 | 1573 | 1596 | 1618 | 1633 | 1626 | 1616 | 1596 | 1576 | 1565 | 1547 | 1543 | | | |
| 20 | 852 | 872 | 888 | 904 | 930 | 966 | 990 | 1005 | 1047 | 1038 | 1030 | 997 | 971 | 943 | 917 | 914 | | | |
| 25 | 293 | 304 | 319 | 333 | 356 | 379 | 408 | 419 | 423 | 413 | 409 | 385 | 359 | 334 | 321 | 322 | | | |
| 30 | 138 | 142 | 145 | 148 | 154 | 159 | 160 | 163 | 166 | 167 | 165 | 160 | 156 | 153 | 148 | 148 | | | |
| 35 | 105 | 107 | 107 | 108 | 110 | 113 | 112 | 112 | 113 | 115 | 113 | 112 | 111 | 109 | 106 | 106 | | | |
| 40 | 90.8 | 91.8 | 92.0 | 93.3 | 94.1 | 96.4 | 97.7 | 96.5 | 97.5 | 97.5 | 96.5 | 95.4 | 94.0 | 93.3 | 92.4 | 92.1 | | | |
| 45 | 77.0 | 78.3 | 79.5 | 81.1 | 81.6 | 84.8 | 87.5 | 86.3 | 86.9 | 86.3 | 84.9 | 83.3 | 80.5 | 80.0 | 79.0 | 78.7 | | | |
| 50 | 63.0 | 64.1 | 65.0 | 66.6 | 67.5 | 70.9 | 74.4 | 72.6 | 73.3 | 72.3 | 71.0 | 70.2 | 66.3 | 65.5 | 64.7 | 64.2 | | | |
| 55 | 50.5 | 51.8 | 52.1 | 54.1 | 55.6 | 57.3 | 61.1 | 59.2 | 60.5 | 58.9 | 57.4 | 57.8 | 54.7 | 52.8 | 51.9 | 51.0 | | | |
| 60 | 37.6 | 38.5 | 39.9 | 41.3 | 42.9 | 44.6 | 45.3 | 45.7 | 46.0 | 45.0 | 43.8 | 42.1 | 40.3 | 39.1 | 38.3 | 38.1 | | | |
| 65 | 26.9 | 27.7 | 28.7 | 30.1 | 31.4 | 32.7 | 33.6 | 33.6 | 34.2 | 33.3 | 32.0 | 30.7 | 29.1 | 28.0 | 27.3 | 27.2 | | | |
| 70 | 16.7 | 17.4 | 18.2 | 19.4 | 20.7 | 21.8 | 22.7 | 22.7 | 23.1 | 22.4 | 21.2 | 20.0 | 18.7 | 17.7 | 17.1 | 17.1 | | | |
| 75 | 7.91 | 8.40 | 9.11 | 10.00 | 10.9 | 11.8 | 12.4 | 12.5 | 12.9 | 12.4 | 11.5 | 10.5 | 9.62 | 8.95 | 8.54 | 8.54 | | | |
| 80 | 2.38 | 2.65 | 3.04 | 3.54 | 4.06 | 4.64 | 4.97 | 5.15 | 5.15 | 4.74 | 4.22 | 3.75 | 3.35 | 3.03 | 2.79 | 2.74 | | | |
| 85 | 0.41 | 0.46 | 0.53 | 0.64 | 0.77 | 0.88 | 0.96 | 1.02 | 1.01 | 0.93 | 0.81 | 0.71 | 0.64 | 0.58 | 0.52 | 0.52 | | | |
| 90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.04 | 0.05 | 0.08 | 0.05 | 0.03 | 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 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | | | |
| 115 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | 0.02 | 0.02 | 0.02 | | | |
| 120 | 0.02 | 0.02 | 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 | | | |
| 125 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.03 | 0.03 | 0.03 | 0.04 | 0.04 | 0.04 | 0.04 | 0.05 | 0.05 | 0.05 | 0.05 | | | |
| 130 | 0.08 | 0.08 | 0.08 | 0.08 | 0.07 | 0.07 | 0.07 | 0.07 | 0.09 | 0.09 | 0.09 | 0.09 | 0.10 | 0.10 | 0.10 | 0.10 | | | |
| 135 | 0.14 | 0.14 | 0.13 | 0.13 | 0.13 | 0.12 | 0.12 | 0.12 | 0.18 | 0.19 | 0.19 | 0.19 | 0.20 | 0.21 | 0.21 | 0.21 | | | |
| 140 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.19 | 0.19 | 0.19 | 0.32 | 0.32 | 0.33 | 0.33 | 0.34 | 0.35 | 0.35 | 0.36 | | | |
| 145 | 0.30 | 0.30 | 0.29 | 0.29 | 0.29 | 0.29 | 0.28 | 0.28 | 0.49 | 0.49 | 0.50 | 0.50 | 0.51 | 0.52 | 0.52 | 0.53 | | | |
| 150 | 0.38 | 0.38 | 0.38 | 0.37 | 0.37 | 0.37 | 0.37 | 0.36 | 0.66 | 0.66 | 0.67 | 0.67 | 0.68 | 0.69 | 0.69 | 0.70 | | | |
| 155 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.43 | 0.43 | 0.43 | 0.81 | 0.81 | 0.82 | 0.82 | 0.83 | 0.83 | 0.83 | 0.84 | | | |
| 160 | 0.51 | 0.51 | 0.51 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.93 | 0.93 | 0.93 | 0.93 | 0.94 | 0.94 | 0.94 | 0.94 | | | |
| 165 | 0.56 | 0.56 | 0.56 | 0.56 | 0.56 | 0.56 | 0.56 | 0.56 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | | | |
| 170 | 0.58 | 0.58 | 0.58 | 0.58 | 0.58 | 0.59 | 0.59 | 0.59 | 0.98 | 0.98 | 0.98 | 0.98 | 0.97 | 0.97 | 0.97 | 0.97 | | | |
| 175 | 0.64 | 0.64 | 0.64 | 0.64 | 0.64 | 0.64 | 0.64 | 0.63 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.86 | 0.85 | 0.85 | | | |
| 180 | 0.76 | 0.76 | 0.76 | 0.76 | 0.75 | 0.75 | 0.74 | 0.74 | 0.76 | 0.76 | 0.76 | 0.76 | 0.76 | 0.76 | 0.75 | 0.74 | | | |

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 C Interval: 22.5DEG
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 Operators: Oliver
 Test Date: 2018-05-18

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 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity: 65.0%
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 Remarks: