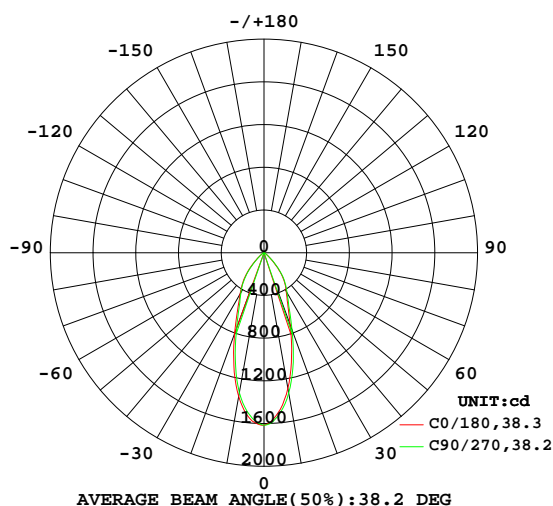


LUMINAIRE PHOTOMETRIC TEST REPORT

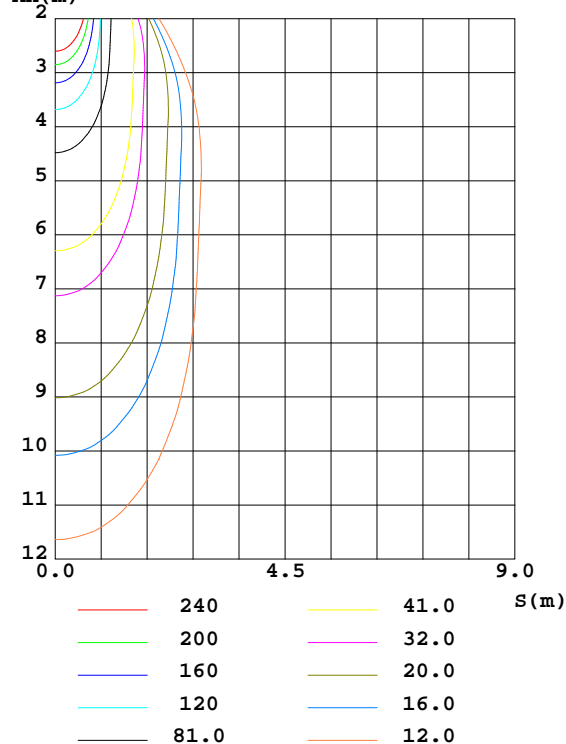
| | | |
|--|----------------------------------|------------------|
| Test:U:120.19V I:0.1250A P:14.819W PF:0.9861 Freq:60.00Hz Lamp Flux:1056.74x1 lm | | |
| NAME: R2ARAT-F927-WT | TYPE: Recessed-mounted Luminaire | HEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: WAC Lighting | SUR.: | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA | | | | Eff: 71.31 lm/W |
|------------------|---------|------------------|--------|------------------------|----------|-----------------|
| MODEL | | Imax(cd) | 1620 | S/MH(C0/180) | 0.62 | |
| NOMINAL POWER(W) | | LOR(%) | 100.0 | S/MH(C90/270) | 0.62 | |
| RATED VOLTAGE(V) | 120 | TOTAL FLUX(lm) | 1056.7 | η UP,DN(C0-180) | 0.0,49.7 | |
| NOMINAL FLUX(lm) | 1056.74 | CIE CLASS | DIRECT | η UP,DN(C180-360) | 0.1,50.3 | |
| LAMPS INSIDE | 1 | η up(%) | 0.1 | CIBSE SHR NOM | 0.50 | |
| TEST VOLTAGE(V) | 120 | η down(%) | 99.9 | CIBSE SHR MAX | 0.65 | |

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:2018-04-03

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

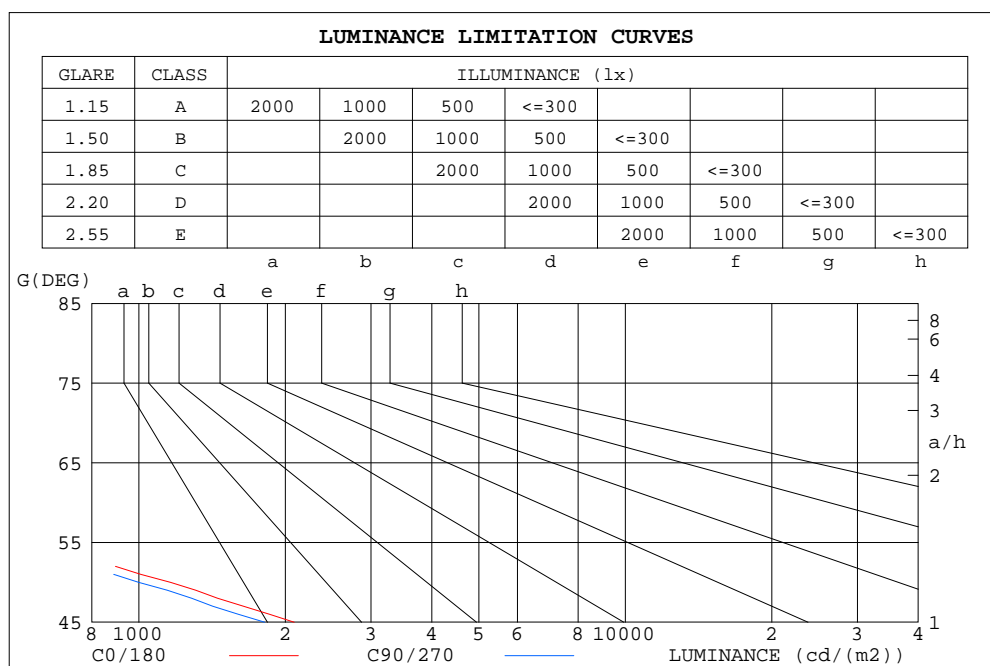
ZONAL FLUX DIAGRAM:

| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | Φ zone | Φ total | %lum, lamp |
|----------|-----------------------|--------|--------|--------|--------|--------|--------|--------|----------|-------------|--------------|------------|
| 10 | 1367 | 1356 | 1330 | 1291 | 1287 | 1295 | 1333 | 1374 | 0- 10 | 139.8 | 139.8 | 13.2,13.2 |
| 20 | 808.5 | 787.8 | 753.0 | 719.4 | 718.1 | 723.7 | 768.4 | 821.4 | 10- 20 | 288.3 | 428.1 | 40.5,40.5 |
| 30 | 450.5 | 443.9 | 433.2 | 418.7 | 417.8 | 419.1 | 432.6 | 454.7 | 20- 30 | 258.5 | 686.5 | 65,65 |
| 40 | 251.4 | 246.7 | 236.3 | 228.2 | 236.0 | 235.8 | 248.6 | 264.0 | 30- 40 | 212.2 | 898.7 | 85,85 |
| 50 | 74.29 | 64.14 | 64.30 | 61.97 | 60.00 | 57.30 | 68.04 | 81.26 | 40- 50 | 110.0 | 1009 | 95.5,95.5 |
| 60 | 18.77 | 16.75 | 17.22 | 16.70 | 16.03 | 15.57 | 17.61 | 21.19 | 50- 60 | 31.41 | 1040 | 98.4,98.4 |
| 70 | 6.680 | 6.282 | 6.471 | 6.618 | 6.840 | 6.651 | 6.906 | 7.315 | 60- 70 | 10.98 | 1051 | 99.5,99.5 |
| 80 | 1.442 | 1.408 | 1.533 | 1.644 | 1.862 | 1.783 | 1.738 | 1.715 | 70- 80 | 4.145 | 1055 | 99.9,99.9 |
| 90 | 0.0504 | 0.0169 | 0.0130 | 0.0036 | 0.0187 | 0.0092 | 0 | 0.0124 | 80- 90 | 0.5548 | 1056 | 99.9,99.9 |
| 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 90-100 | 0.0042 | 1056 | 99.9,99.9 |
| 110 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100-110 | 0.0000 | 1056 | 99.9,99.9 |
| 120 | 0.0067 | 0.0083 | 0.0094 | 0.0114 | 0.0354 | 0.0339 | 0.0317 | 0.0292 | 110-120 | 0.0049 | 1056 | 99.9,99.9 |
| 130 | 0.0710 | 0.0725 | 0.0792 | 0.0818 | 0.1457 | 0.1424 | 0.1361 | 0.1325 | 120-130 | 0.0515 | 1056 | 99.9,99.9 |
| 140 | 0.1747 | 0.1784 | 0.1847 | 0.1917 | 0.3425 | 0.3372 | 0.3251 | 0.3154 | 130-140 | 0.1355 | 1056 | 99.9,99.9 |
| 150 | 0.3342 | 0.3368 | 0.3413 | 0.3469 | 0.5833 | 0.5785 | 0.5659 | 0.5509 | 140-150 | 0.2209 | 1056 | 100,100 |
| 160 | 0.4384 | 0.4338 | 0.4325 | 0.4346 | 0.7492 | 0.7478 | 0.7451 | 0.7359 | 150-160 | 0.2428 | 1057 | 100,100 |
| 170 | 0.4905 | 0.4861 | 0.4831 | 0.4819 | 0.7359 | 0.7363 | 0.7440 | 0.7461 | 160-170 | 0.1727 | 1057 | 100,100 |
| 180 | 0.6356 | 0.6305 | 0.6364 | 0.6459 | 0.6307 | 0.6290 | 0.6297 | 0.6352 | 170-180 | 0.0589 | 1057 | 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:2018-04-03

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:

LUMINANCE LIMITATION CURVES



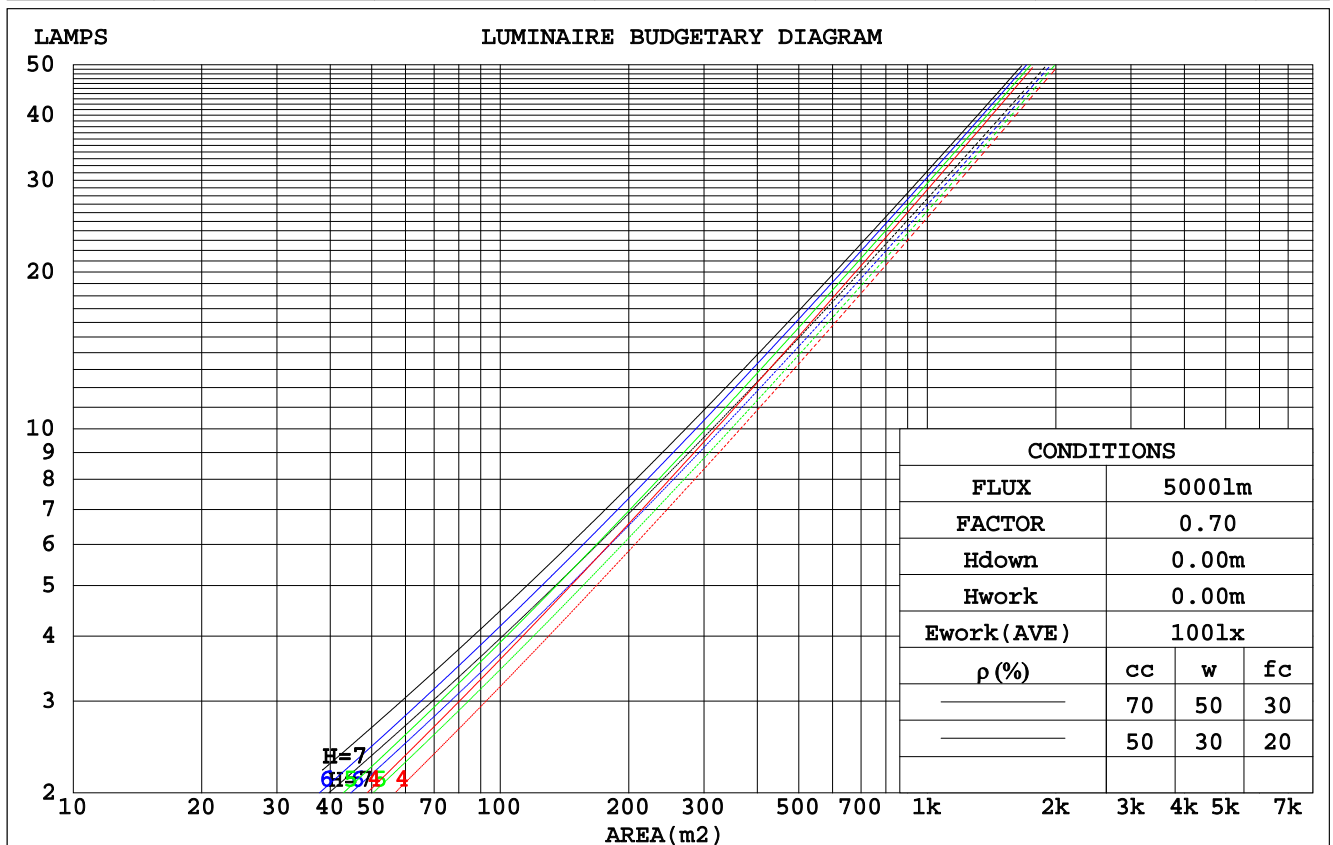
| LUMINANCE cd/(m2) | | |
|-------------------|--------|---------|
| G(DEG) | C0/180 | C90/270 |
| 85 | 26 | 35 |
| 80 | 84 | 88 |
| 75 | 141 | 139 |
| 70 | 196 | 189 |
| 65 | 258 | 242 |
| 60 | 377 | 344 |
| 55 | 637 | 553 |
| 50 | 1162 | 999 |
| 45 | 2085 | 1814 |

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.2DEG
 Operators: Oliver
 Test Date: 2018-04-03

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 | 1.08 | 1.05 | 1.08 | 1.06 | 1.04 | 1.04 | 1.02 | 1.01 | 1.00 | .99 | .98 | .97 | .96 | .95 | .93 |
| 2.0 | 1.02 | .98 | .95 | 1.01 | .97 | .93 | .97 | .94 | .91 | .94 | .92 | .89 | .91 | .89 | .88 | .86 |
| 3.0 | .95 | .90 | .86 | .94 | .89 | .85 | .91 | .87 | .84 | .88 | .85 | .82 | .86 | .83 | .81 | .79 |
| 4.0 | .88 | .83 | .78 | .87 | .82 | .78 | .85 | .81 | .77 | .83 | .79 | .76 | .81 | .78 | .75 | .74 |
| 5.0 | .83 | .77 | .72 | .82 | .76 | .72 | .80 | .75 | .71 | .78 | .74 | .71 | .77 | .73 | .70 | .68 |
| 6.0 | .77 | .71 | .67 | .77 | .71 | .67 | .75 | .70 | .66 | .74 | .69 | .66 | .72 | .68 | .65 | .64 |
| 7.0 | .73 | .67 | .62 | .72 | .66 | .62 | .71 | .66 | .62 | .70 | .65 | .61 | .68 | .64 | .61 | .60 |
| 8.0 | .69 | .62 | .58 | .68 | .62 | .58 | .67 | .62 | .58 | .66 | .61 | .58 | .65 | .61 | .57 | .56 |
| 9.0 | .65 | .59 | .55 | .64 | .59 | .55 | .63 | .58 | .54 | .62 | .58 | .54 | .62 | .57 | .54 | .53 |
| 10.0 | .61 | .56 | .52 | .61 | .55 | .52 | .60 | .55 | .51 | .59 | .55 | .51 | .59 | .54 | .51 | .50 |



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.2DEG
 Operators: Oliver
 Test Date: 2018-04-03

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 | .185 | .105 | .033 | .178 | .102 | .032 | .166 | .095 | .030 | .154 | .089 | .029 | .143 | .083 | .027 | | |
| 2.0 | .178 | .098 | .030 | .172 | .095 | .029 | .162 | .090 | .028 | .152 | .085 | .027 | .143 | .081 | .025 | | |
| 3.0 | .170 | .090 | .027 | .165 | .088 | .027 | .156 | .084 | .026 | .147 | .081 | .025 | .139 | .077 | .024 | | |
| 4.0 | .161 | .084 | .025 | .157 | .082 | .024 | .149 | .079 | .024 | .142 | .076 | .023 | .135 | .073 | .022 | | |
| 5.0 | .153 | .078 | .023 | .150 | .077 | .022 | .143 | .074 | .022 | .136 | .072 | .021 | .130 | .070 | .021 | | |
| 6.0 | .146 | .073 | .021 | .143 | .072 | .021 | .137 | .070 | .020 | .131 | .068 | .020 | .126 | .066 | .020 | | |
| 7.0 | .139 | .069 | .019 | .136 | .068 | .019 | .131 | .066 | .019 | .126 | .064 | .019 | .121 | .063 | .018 | | |
| 8.0 | .133 | .065 | .018 | .130 | .064 | .018 | .125 | .063 | .018 | .121 | .061 | .018 | .116 | .060 | .017 | | |
| 9.0 | .127 | .061 | .017 | .124 | .061 | .017 | .120 | .059 | .017 | .116 | .058 | .017 | .112 | .057 | .016 | | |
| 10.0 | .121 | .058 | .016 | .119 | .058 | .016 | .115 | .056 | .016 | .111 | .055 | .016 | .108 | .054 | .016 | | |

| 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 | .111 | .111 | .111 | .064 | .064 | .064 | .020 | .020 | .020 | |
| 1.0 | .172 | .158 | .145 | .147 | .136 | .125 | .101 | .093 | .086 | .058 | .054 | .050 | .019 | .017 | .016 | |
| 2.0 | .158 | .133 | .112 | .135 | .115 | .097 | .093 | .079 | .068 | .053 | .046 | .040 | .017 | .015 | .013 | |
| 3.0 | .146 | .114 | .089 | .125 | .099 | .077 | .086 | .068 | .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 | .059 | .109 | .076 | .052 | .075 | .053 | .036 | .044 | .031 | .022 | .014 | .010 | .007 | |
| 6.0 | .120 | .079 | .050 | .103 | .068 | .043 | .071 | .048 | .031 | .041 | .028 | .018 | .013 | .009 | .006 | |
| 7.0 | .113 | .071 | .042 | .098 | .062 | .037 | .067 | .043 | .026 | .039 | .026 | .015 | .013 | .008 | .005 | |
| 8.0 | .108 | .065 | .036 | .093 | .057 | .032 | .064 | .040 | .022 | .037 | .023 | .013 | .012 | .008 | .004 | |
| 9.0 | .103 | .060 | .031 | .088 | .052 | .027 | .061 | .037 | .019 | .036 | .022 | .012 | .012 | .007 | .004 | |
| 10.0 | .098 | .056 | .028 | .084 | .048 | .024 | .059 | .034 | .017 | .034 | .020 | .010 | .011 | .007 | .003 | |

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.2DEG
 Operators: Oliver
 Test Date: 2018-04-03

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 | 10.3 | 11.3 | 10.5 | 11.5 | 11.6 | 10.0 | 11.0 | 10.2 | 11.2 | 11.3 |
| 3H | 10.2 | 11.1 | 10.5 | 11.3 | 11.5 | 9.9 | 10.8 | 10.2 | 11.0 | 11.2 |
| 4H | 10.1 | 11.0 | 10.4 | 11.2 | 11.4 | 9.9 | 10.7 | 10.1 | 10.9 | 11.2 |
| 6H | 10.1 | 10.9 | 10.4 | 11.1 | 11.4 | 9.8 | 10.6 | 10.1 | 10.8 | 11.1 |
| 8H | 10.0 | 10.8 | 10.3 | 11.0 | 11.3 | 9.7 | 10.5 | 10.0 | 10.8 | 11.0 |
| 12H | 10.0 | 10.7 | 10.3 | 11.0 | 11.3 | 9.7 | 10.4 | 10.0 | 10.7 | 11.0 |
| 4H 2H | 10.1 | 11.0 | 10.4 | 11.2 | 11.4 | 9.8 | 10.7 | 10.1 | 10.9 | 11.1 |
| 3H | 10.0 | 10.8 | 10.3 | 11.0 | 11.3 | 9.7 | 10.5 | 10.1 | 10.8 | 11.0 |
| 4H | 10.0 | 10.6 | 10.3 | 10.9 | 11.3 | 9.7 | 10.4 | 10.0 | 10.7 | 11.0 |
| 6H | 9.9 | 10.5 | 10.3 | 10.8 | 11.2 | 9.6 | 10.2 | 10.0 | 10.5 | 10.9 |
| 8H | 9.8 | 10.4 | 10.2 | 10.7 | 11.1 | 9.6 | 10.1 | 10.0 | 10.5 | 10.8 |
| 12H | 9.8 | 10.3 | 10.2 | 10.7 | 11.1 | 9.5 | 10.0 | 9.9 | 10.4 | 10.8 |
| 8H 4H | 9.8 | 10.4 | 10.2 | 10.7 | 11.1 | 9.6 | 10.1 | 10.0 | 10.5 | 10.8 |
| 6H | 9.8 | 10.2 | 10.2 | 10.6 | 11.0 | 9.5 | 9.9 | 9.9 | 10.3 | 10.8 |
| 8H | 9.7 | 10.1 | 10.2 | 10.5 | 11.0 | 9.5 | 9.8 | 9.9 | 10.3 | 10.7 |
| 12H | 9.7 | 10.0 | 10.1 | 10.4 | 10.9 | 9.4 | 9.7 | 9.9 | 10.2 | 10.7 |
| 12H 4H | 9.8 | 10.3 | 10.2 | 10.7 | 11.1 | 9.5 | 10.0 | 9.9 | 10.4 | 10.8 |
| 6H | 9.7 | 10.1 | 10.2 | 10.5 | 11.0 | 9.4 | 9.8 | 9.9 | 10.3 | 10.7 |
| 8H | 9.7 | 10.0 | 10.1 | 10.4 | 10.9 | 9.4 | 9.7 | 9.9 | 10.2 | 10.7 |
| Variations with the observer position at spacings: | | | | | | | | | | |
| S = 1.0H | + 2.3 / - 6.3 | | | | | + 2.3 / - 6.5 | | | | |
| 1.5H | + 3.4 / - 5.5 | | | | | + 3.4 / - 5.4 | | | | |
| 2.0H | + 5.5 / - 5.5 | | | | | + 5.0 / - 5.1 | | | | |

CIE Pub.117, 1057 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 0.2$)

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.2DEG
 Operators: Oliver
 Test Date: 2018-04-03

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:

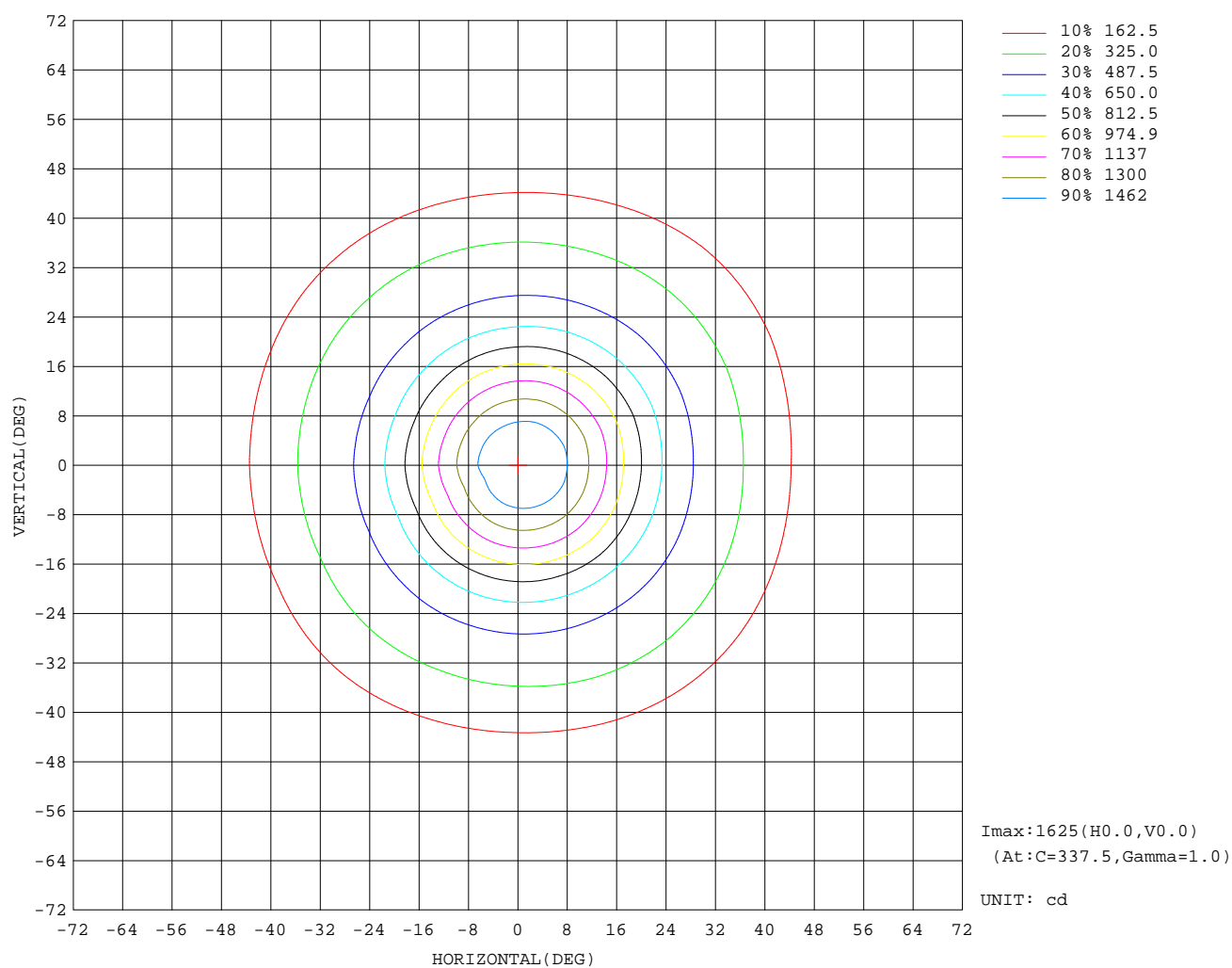
UTILIZATION FACTORS TABLE

| 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 | 75 | 70 | 81 | 74 | 70 | 66 |
| 0.80 | 90 | 84 | 79 | 90 | 83 | 79 | 88 | 83 | 79 | 74 |
| 1.00 | 96 | 89 | 85 | 95 | 89 | 85 | 93 | 89 | 85 | 80 |
| 1.25 | 101 | 95 | 91 | 99 | 94 | 90 | 97 | 93 | 89 | 85 |
| 1.50 | 104 | 98 | 94 | 102 | 97 | 94 | 100 | 96 | 93 | 88 |
| 2.00 | 107 | 102 | 99 | 106 | 101 | 98 | 103 | 99 | 96 | 91 |
| 2.50 | 109 | 105 | 101 | 107 | 103 | 100 | 104 | 101 | 98 | 92 |
| 3.00 | 111 | 107 | 104 | 109 | 105 | 103 | 105 | 103 | 101 | 94 |
| 4.00 | 113 | 110 | 107 | 111 | 108 | 106 | 107 | 105 | 103 | 96 |
| 5.00 | 114 | 112 | 109 | 112 | 110 | 108 | 108 | 106 | 105 | 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: 2018-04-03

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:

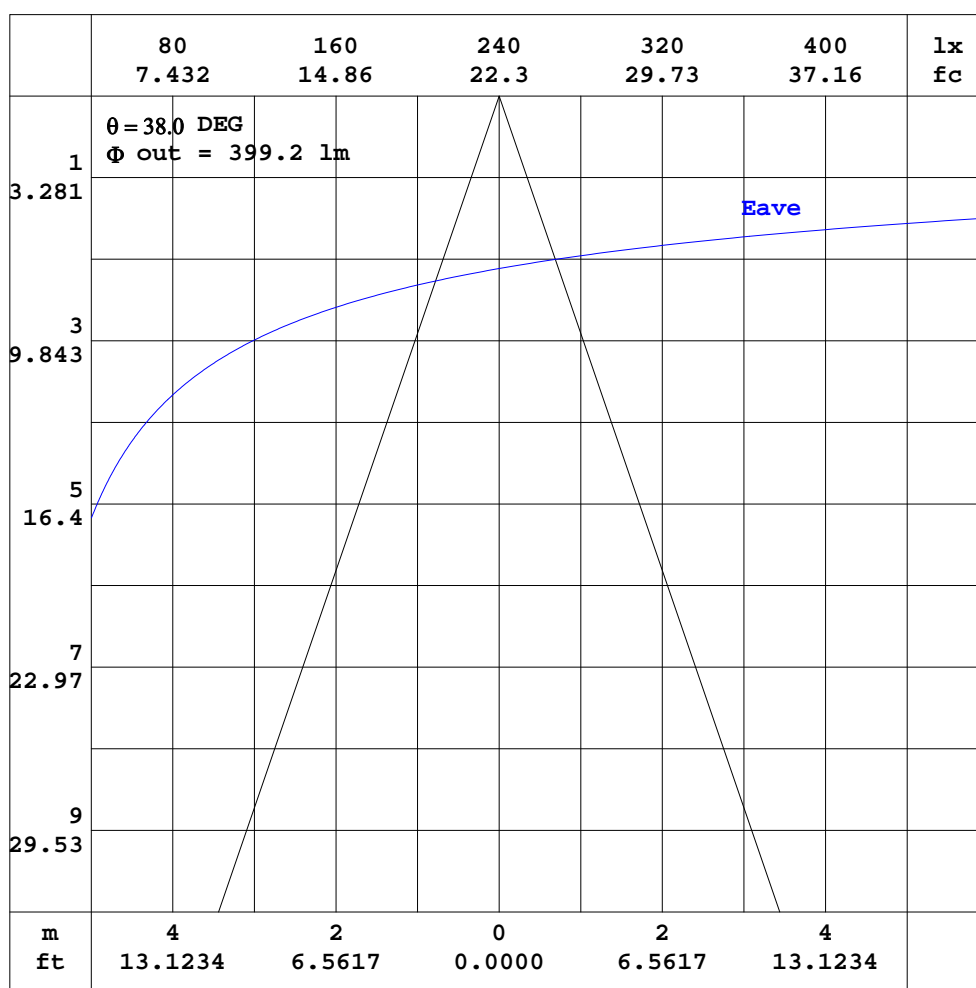
ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.2DEG
Operators: Oliver
Test Date: 2018-04-03

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

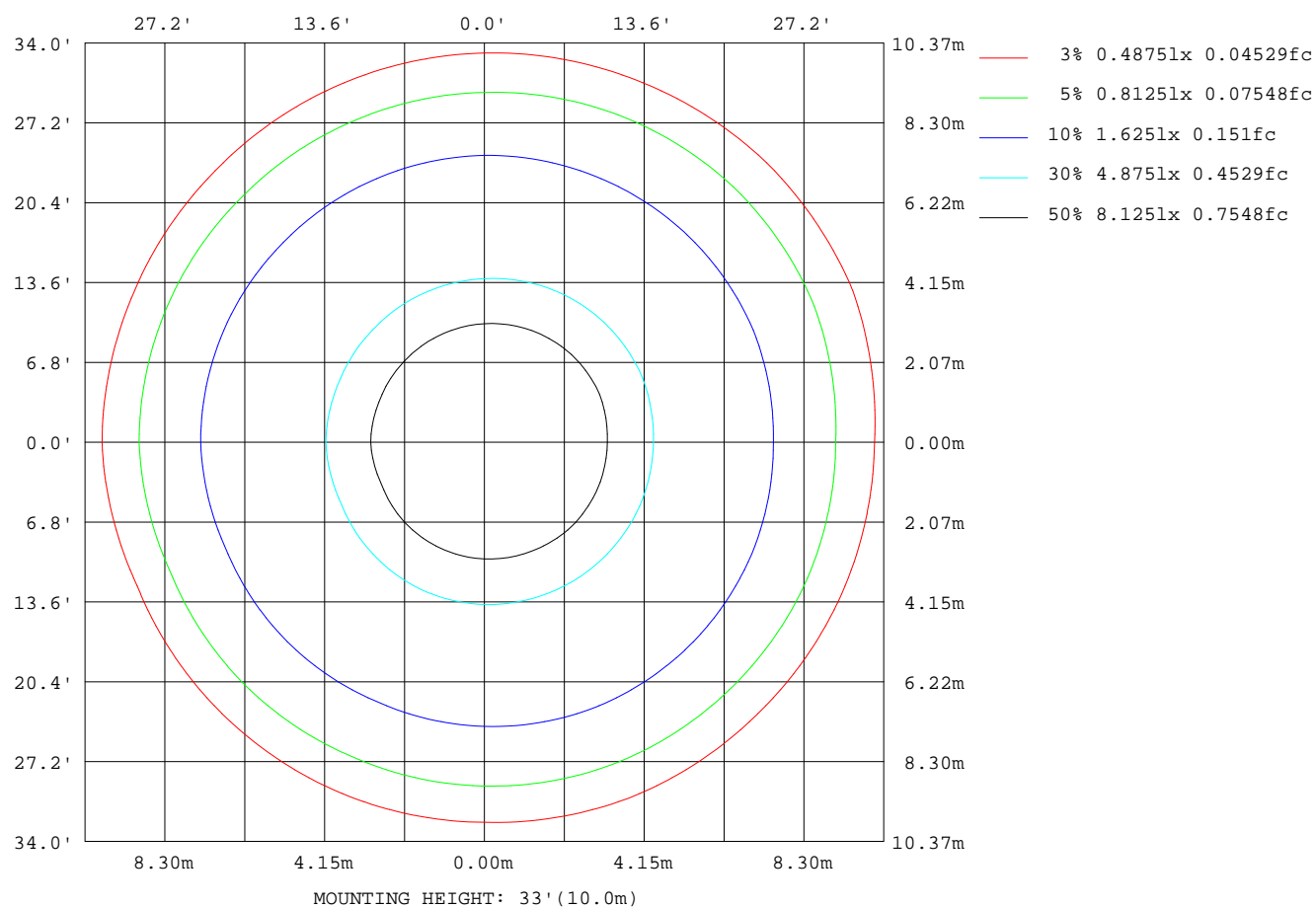


Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.2DEG
 Operators: Oliver
 Test Date: 2018-04-03

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: 2018-04-03

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:120.19V I:0.1250A P:14.819W PF:0.9861 Freq:60.00Hz Lamp Flux:1056.74x1 lm | | |
| NAME: R2ARAT-F927-WT | TYPE: Recessed-mounted Luminaire | HEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: WAC Lighting | SUR.: | Shielding Angle: |

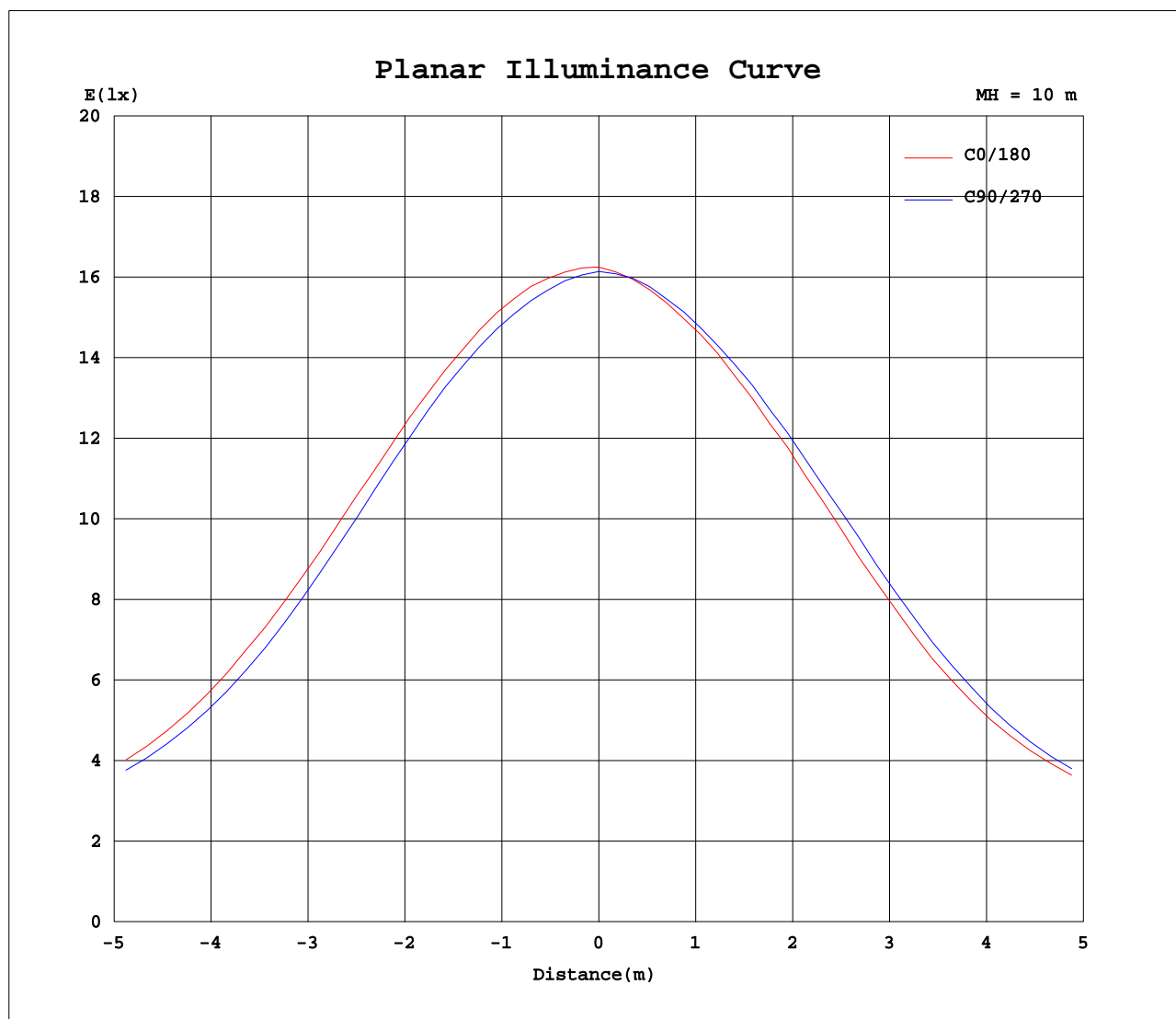
| AvgL | cd/m2 |
|----------------|-------|
| L_0~180(65)av | 252 |
| L_0~180(75)av | 148 |
| L_0~180(85)av | 39 |
| L_90~270(65)av | 251 |
| L_90~270(75)av | 147 |
| L_90~270(85)av | 38 |
| L_45(65)av | 253 |
| L_45(75)av | 148 |
| L_45(85)av | 38 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.2DEG
 Operators: Oliver
 Test Date: 2018-04-03

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: 2018-04-03

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 | 1616 | 1616 | 1616 | 1616 | 1616 | 1616 | 1616 | 1616 | 1616 | 1616 | 1616 | 1616 | 1616 | 1616 | 1616 | 1616 | | | |
| 5 | 1555 | 1556 | 1549 | 1537 | 1528 | 1518 | 1511 | 1502 | 1506 | 1511 | 1515 | 1521 | 1533 | 1550 | 1561 | 1568 | | | |
| 10 | 1367 | 1368 | 1356 | 1340 | 1330 | 1312 | 1291 | 1276 | 1287 | 1287 | 1295 | 1315 | 1333 | 1356 | 1374 | 1390 | | | |
| 15 | 1094 | 1092 | 1082 | 1062 | 1041 | 1021 | 1003 | 984 | 1000 | 999 | 1008 | 1031 | 1061 | 1083 | 1106 | 1119 | | | |
| 20 | 809 | 799 | 788 | 767 | 753 | 736 | 719 | 703 | 718 | 712 | 724 | 744 | 768 | 797 | 821 | 832 | | | |
| 25 | 582 | 576 | 566 | 557 | 547 | 541 | 527 | 521 | 525 | 519 | 525 | 536 | 552 | 575 | 590 | 599 | | | |
| 30 | 451 | 449 | 444 | 437 | 433 | 423 | 419 | 416 | 418 | 417 | 419 | 428 | 433 | 441 | 455 | 459 | | | |
| 35 | 352 | 356 | 354 | 351 | 340 | 331 | 329 | 326 | 336 | 335 | 335 | 341 | 344 | 348 | 356 | 363 | | | |
| 40 | 251 | 252 | 247 | 243 | 236 | 228 | 228 | 226 | 236 | 235 | 236 | 240 | 249 | 258 | 264 | 264 | | | |
| 45 | 147 | 143 | 138 | 136 | 128 | 127 | 124 | 121 | 132 | 130 | 132 | 139 | 146 | 153 | 162 | 164 | | | |
| 50 | 74.3 | 68.7 | 64.1 | 64.5 | 64.3 | 62.9 | 62.0 | 59.2 | 60.0 | 57.2 | 57.3 | 61.3 | 68.0 | 74.6 | 81.3 | 82.7 | | | |
| 55 | 36.3 | 33.1 | 31.1 | 31.7 | 31.8 | 31.7 | 31.5 | 27.9 | 28.8 | 26.5 | 27.1 | 29.1 | 32.8 | 36.3 | 40.4 | 40.2 | | | |
| 60 | 18.8 | 17.5 | 16.7 | 16.9 | 17.2 | 17.3 | 16.7 | 15.7 | 16.0 | 15.5 | 15.6 | 16.3 | 17.6 | 19.7 | 21.2 | 21.5 | | | |
| 65 | 10.8 | 10.3 | 10.2 | 10.3 | 10.3 | 10.4 | 10.3 | 10.1 | 10.5 | 10.2 | 10.2 | 10.4 | 10.9 | 11.4 | 12.1 | 12.0 | | | |
| 70 | 6.68 | 6.40 | 6.28 | 6.38 | 6.47 | 6.64 | 6.62 | 6.56 | 6.84 | 6.72 | 6.65 | 6.75 | 6.91 | 7.10 | 7.32 | 7.24 | | | |
| 75 | 3.63 | 3.48 | 3.46 | 3.52 | 3.60 | 3.71 | 3.77 | 3.76 | 4.04 | 4.00 | 3.97 | 3.95 | 3.98 | 4.03 | 4.14 | 4.05 | | | |
| 80 | 1.44 | 1.39 | 1.41 | 1.46 | 1.53 | 1.60 | 1.64 | 1.67 | 1.86 | 1.83 | 1.78 | 1.75 | 1.74 | 1.70 | 1.72 | 1.68 | | | |
| 85 | 0.23 | 0.24 | 0.25 | 0.28 | 0.30 | 0.34 | 0.36 | 0.37 | 0.46 | 0.44 | 0.41 | 0.39 | 0.36 | 0.32 | 0.30 | 0.30 | | | |
| 90 | 0.05 | 0.05 | 0.02 | 0.03 | 0.01 | 0.01 | 0.00 | 0.01 | 0.02 | 0.02 | 0.01 | 0.00 | 0.00 | 0.00 | 0.01 | 0.04 | | | |
| 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 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 120 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.04 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | | | |
| 125 | 0.03 | 0.03 | 0.03 | 0.03 | 0.04 | 0.04 | 0.04 | 0.04 | 0.08 | 0.08 | 0.08 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | | | |
| 130 | 0.07 | 0.07 | 0.07 | 0.07 | 0.08 | 0.08 | 0.08 | 0.09 | 0.15 | 0.14 | 0.14 | 0.14 | 0.14 | 0.13 | 0.13 | 0.13 | | | |
| 135 | 0.12 | 0.12 | 0.12 | 0.12 | 0.13 | 0.13 | 0.13 | 0.13 | 0.24 | 0.24 | 0.23 | 0.23 | 0.22 | 0.22 | 0.22 | 0.21 | | | |
| 140 | 0.17 | 0.18 | 0.18 | 0.18 | 0.18 | 0.19 | 0.19 | 0.19 | 0.34 | 0.34 | 0.34 | 0.33 | 0.33 | 0.32 | 0.32 | 0.31 | | | |
| 145 | 0.26 | 0.26 | 0.26 | 0.26 | 0.27 | 0.27 | 0.27 | 0.28 | 0.46 | 0.46 | 0.46 | 0.45 | 0.44 | 0.44 | 0.43 | 0.42 | | | |
| 150 | 0.33 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.35 | 0.35 | 0.58 | 0.58 | 0.58 | 0.57 | 0.57 | 0.56 | 0.55 | 0.54 | | | |
| 155 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.40 | 0.40 | 0.68 | 0.68 | 0.68 | 0.68 | 0.67 | 0.66 | 0.66 | 0.65 | | | |
| 160 | 0.44 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.44 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.74 | 0.74 | 0.73 | | | |
| 165 | 0.47 | 0.46 | 0.46 | 0.46 | 0.46 | 0.46 | 0.46 | 0.46 | 0.76 | 0.76 | 0.77 | 0.77 | 0.77 | 0.77 | 0.76 | 0.76 | | | |
| 170 | 0.49 | 0.49 | 0.49 | 0.49 | 0.48 | 0.48 | 0.48 | 0.48 | 0.74 | 0.74 | 0.74 | 0.74 | 0.74 | 0.75 | 0.75 | 0.75 | | | |
| 175 | 0.56 | 0.56 | 0.55 | 0.55 | 0.55 | 0.55 | 0.56 | 0.56 | 0.69 | 0.69 | 0.68 | 0.69 | 0.69 | 0.69 | 0.70 | 0.70 | | | |
| 180 | 0.64 | 0.63 | 0.63 | 0.63 | 0.64 | 0.64 | 0.65 | 0.65 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.64 | 0.64 | | | |

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