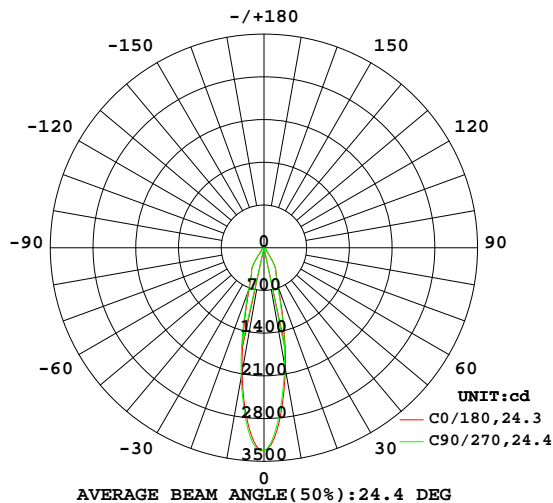


LUMINAIRE PHOTOMETRIC TEST REPORT

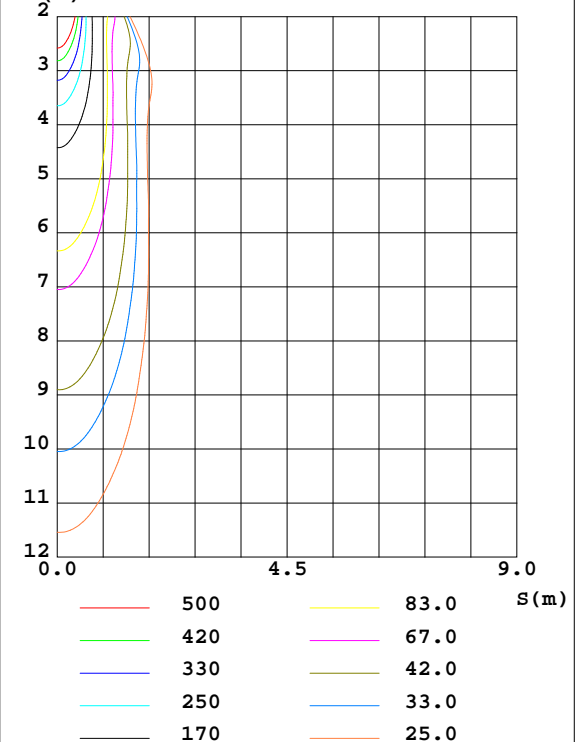
| | | |
|--|----------------------------------|------------------|
| Test:U:120.02V I:0.1268A P:15.012W PF:0.9866 Freq:60.00Hz Lamp Flux:1062.93x1 lm | | |
| NAME: R2ARDT-N930-WT | TYPE: Recessed-mounted Luminaire | HEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: WAC Lighting | SUR.: | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 70.81 lm/W | | | |
|------------------|---------|----------------------------------|--------|------------------------|----------|
| MODEL | | Imax(cd) | 3334 | S/MH(C0/180) | 0.41 |
| NOMINAL POWER(W) | | LOR(%) | 100.0 | S/MH(C90/270) | 0.41 |
| RATED VOLTAGE(V) | 120 | TOTAL FLUX(lm) | 1062.9 | η UP,DN(C0-180) | 0.0,51.9 |
| NOMINAL FLUX(lm) | 1062.93 | CIE CLASS | DIRECT | η UP,DN(C180-360) | 0.1,48.0 |
| 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:2018-04-02

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

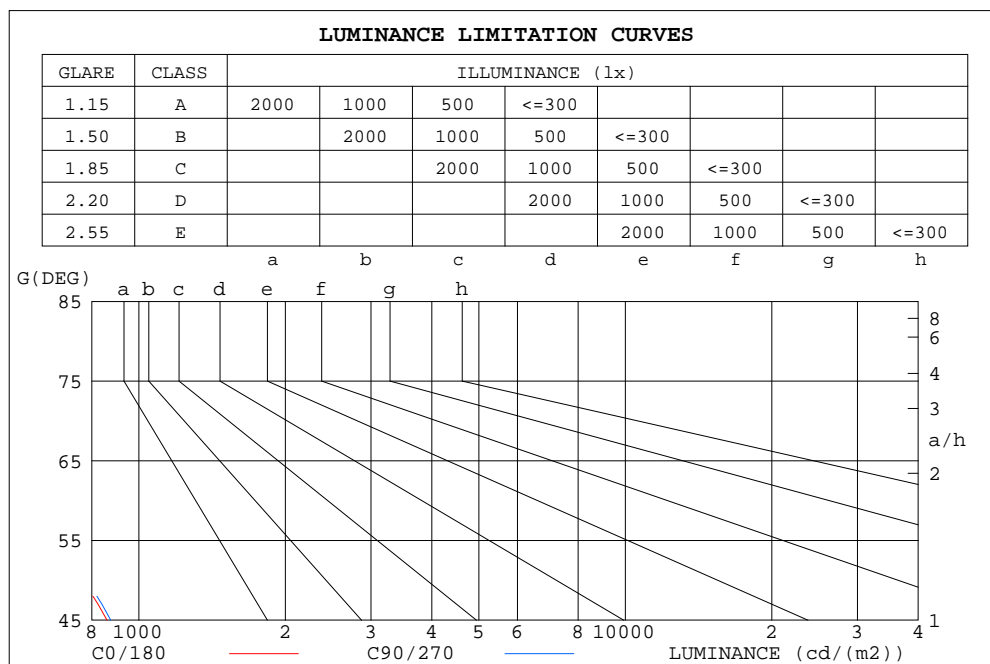
ZONAL FLUX DIAGRAM:

| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | Φ zone | Φ total | %lum, lamp |
|----------|-----------------------|--------|--------|--------|--------|--------|--------|--------|----------|-------------|--------------|------------|
| 10 | 2073 | 2160 | 2153 | 2053 | 2017 | 1964 | 1947 | 2013 | 0- 10 | 248.4 | 248.4 | 23.4,23.4 |
| 20 | 709.8 | 765.2 | 752.3 | 695.0 | 681.3 | 671.4 | 656.7 | 671.7 | 10- 20 | 340.9 | 589.3 | 55.4,55.4 |
| 30 | 398.1 | 407.2 | 406.5 | 384.3 | 368.1 | 348.2 | 346.9 | 379.6 | 20- 30 | 228.6 | 818.0 | 77,77 |
| 40 | 83.59 | 93.71 | 85.84 | 72.81 | 69.63 | 67.60 | 68.90 | 71.73 | 30- 40 | 123.2 | 941.1 | 88.5,88.5 |
| 50 | 49.29 | 51.05 | 50.19 | 46.97 | 45.82 | 45.28 | 46.25 | 47.64 | 40- 50 | 45.95 | 987.1 | 92.9,92.9 |
| 60 | 30.92 | 32.31 | 31.24 | 29.70 | 29.16 | 28.54 | 28.87 | 30.00 | 50- 60 | 34.19 | 1021 | 96.1,96.1 |
| 70 | 18.66 | 18.66 | 18.27 | 18.27 | 18.69 | 18.62 | 18.86 | 19.03 | 60- 70 | 23.77 | 1045 | 98.3,98.3 |
| 80 | 7.152 | 6.929 | 6.865 | 6.971 | 7.557 | 7.872 | 7.945 | 7.746 | 70- 80 | 13.38 | 1058 | 99.6,99.6 |
| 90 | 0.0045 | 0.0031 | 0.0020 | 0.0020 | 0 | 0 | 0.0066 | 0.0003 | 80- 90 | 3.592 | 1062 | 99.9,99.9 |
| 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 90-100 | 0.0012 | 1062 | 99.9,99.9 |
| 110 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100-110 | 0 | 1062 | 99.9,99.9 |
| 120 | 0.0007 | 0 | 0.0047 | 0.0040 | 0.0092 | 0.0139 | 0.0129 | 0.0095 | 110-120 | 0.0008 | 1062 | 99.9,99.9 |
| 130 | 0.0505 | 0.0474 | 0.0478 | 0.0505 | 0.0990 | 0.1088 | 0.1068 | 0.0971 | 120-130 | 0.0315 | 1062 | 99.9,99.9 |
| 140 | 0.1595 | 0.1530 | 0.1525 | 0.1601 | 0.3109 | 0.3294 | 0.3259 | 0.3093 | 130-140 | 0.1119 | 1062 | 99.9,99.9 |
| 150 | 0.3753 | 0.3633 | 0.3642 | 0.3700 | 0.6672 | 0.6856 | 0.6870 | 0.6705 | 140-150 | 0.2336 | 1062 | 99.9,99.9 |
| 160 | 0.4670 | 0.4565 | 0.4514 | 0.4573 | 0.9451 | 0.9456 | 0.9464 | 0.9467 | 150-160 | 0.2875 | 1063 | 100,100 |
| 170 | 0.4846 | 0.4774 | 0.4710 | 0.4768 | 0.8795 | 0.8728 | 0.8679 | 0.8714 | 160-170 | 0.1999 | 1063 | 100,100 |
| 180 | 0.6451 | 0.6304 | 0.6217 | 0.6308 | 0.6397 | 0.6323 | 0.6243 | 0.6202 | 170-180 | 0.0616 | 1063 | 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:2018-04-02

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



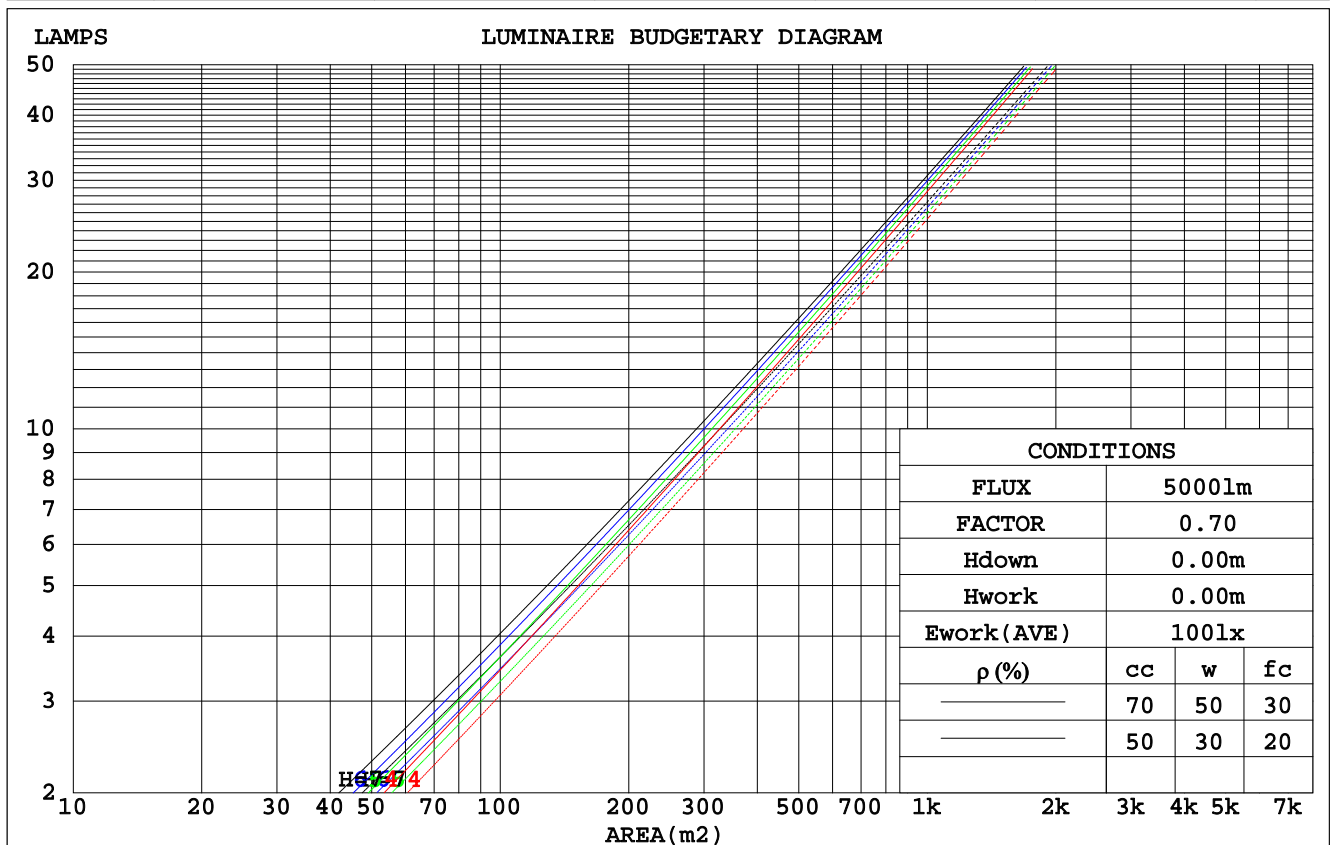
| LUMINANCE cd/(m2) | | |
|-------------------|--------|---------|
| G(DEG) | C0/180 | C90/270 |
| 85 | 347 | 323 |
| 80 | 412 | 395 |
| 75 | 470 | 455 |
| 70 | 546 | 534 |
| 65 | 578 | 577 |
| 60 | 619 | 625 |
| 55 | 683 | 694 |
| 50 | 767 | 781 |
| 45 | 860 | 875 |

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.2DEG
Operators: Oliver
Test Date: 2018-04-02

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 | 1.11 | 1.08 | 1.06 | 1.09 | 1.06 | 1.04 | 1.05 | 1.03 | 1.01 | 1.01 | .99 | .98 | .97 | .96 | .95 | .93 |
| 2.0 | 1.03 | .99 | .96 | 1.02 | .98 | .95 | .98 | .96 | .93 | .95 | .93 | .91 | .93 | .91 | .89 | .87 |
| 3.0 | .97 | .92 | .89 | .96 | .91 | .88 | .93 | .89 | .86 | .91 | .88 | .85 | .88 | .86 | .84 | .82 |
| 4.0 | .92 | .86 | .82 | .90 | .86 | .82 | .88 | .84 | .81 | .86 | .83 | .80 | .84 | .81 | .79 | .78 |
| 5.0 | .87 | .81 | .77 | .86 | .81 | .77 | .84 | .80 | .76 | .82 | .79 | .76 | .81 | .78 | .75 | .73 |
| 6.0 | .82 | .77 | .73 | .82 | .76 | .73 | .80 | .76 | .72 | .79 | .75 | .72 | .77 | .74 | .71 | .70 |
| 7.0 | .78 | .73 | .69 | .78 | .73 | .69 | .77 | .72 | .69 | .75 | .71 | .68 | .74 | .71 | .68 | .67 |
| 8.0 | .75 | .70 | .66 | .74 | .69 | .66 | .73 | .69 | .65 | .72 | .68 | .65 | .71 | .68 | .65 | .64 |
| 9.0 | .72 | .67 | .63 | .71 | .66 | .63 | .70 | .66 | .63 | .70 | .65 | .62 | .69 | .65 | .62 | .61 |
| 10.0 | .69 | .64 | .60 | .69 | .64 | .60 | .68 | .63 | .60 | .67 | .63 | .60 | .66 | .63 | .60 | .59 |



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.2DEG
 Operators: Oliver
 Test Date: 2018-04-02

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 | .178 | .101 | .032 | .171 | .097 | .031 | .158 | .091 | .029 | .147 | .085 | .027 | .136 | .079 | .025 | | |
| 2.0 | .167 | .092 | .028 | .161 | .089 | .027 | .151 | .084 | .026 | .141 | .079 | .025 | .132 | .075 | .024 | | |
| 3.0 | .156 | .083 | .025 | .152 | .081 | .024 | .143 | .077 | .023 | .134 | .074 | .023 | .126 | .070 | .022 | | |
| 4.0 | .147 | .076 | .022 | .143 | .075 | .022 | .135 | .071 | .021 | .128 | .069 | .021 | .121 | .066 | .020 | | |
| 5.0 | .138 | .070 | .020 | .134 | .069 | .020 | .128 | .067 | .020 | .121 | .064 | .019 | .116 | .062 | .019 | | |
| 6.0 | .130 | .065 | .019 | .127 | .064 | .018 | .121 | .062 | .018 | .116 | .060 | .018 | .111 | .058 | .017 | | |
| 7.0 | .123 | .061 | .017 | .121 | .060 | .017 | .115 | .058 | .017 | .111 | .057 | .017 | .106 | .055 | .016 | | |
| 8.0 | .117 | .057 | .016 | .115 | .056 | .016 | .110 | .055 | .016 | .106 | .054 | .015 | .102 | .052 | .015 | | |
| 9.0 | .111 | .054 | .015 | .109 | .053 | .015 | .105 | .052 | .015 | .101 | .051 | .015 | .098 | .050 | .014 | | |
| 10.0 | .106 | .051 | .014 | .104 | .050 | .014 | .101 | .049 | .014 | .097 | .048 | .014 | .094 | .047 | .014 | | |

| 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 | .111 | .111 | .111 | .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 | .156 | .133 | .114 | .134 | .115 | .098 | .092 | .079 | .069 | .053 | .046 | .040 | .017 | .015 | .013 | |
| 3.0 | .143 | .114 | .091 | .123 | .099 | .079 | .084 | .068 | .055 | .049 | .040 | .033 | .016 | .013 | .011 | |
| 4.0 | .132 | .099 | .074 | .113 | .086 | .065 | .078 | .060 | .045 | .045 | .035 | .027 | .015 | .011 | .009 | |
| 5.0 | .123 | .088 | .062 | .105 | .076 | .054 | .073 | .053 | .038 | .042 | .031 | .022 | .014 | .010 | .007 | |
| 6.0 | .115 | .078 | .052 | .099 | .068 | .045 | .068 | .047 | .032 | .039 | .028 | .019 | .013 | .009 | .006 | |
| 7.0 | .108 | .070 | .044 | .093 | .061 | .039 | .064 | .043 | .027 | .037 | .025 | .016 | .012 | .008 | .005 | |
| 8.0 | .101 | .064 | .038 | .087 | .055 | .033 | .060 | .039 | .024 | .035 | .023 | .014 | .011 | .008 | .005 | |
| 9.0 | .096 | .058 | .033 | .083 | .051 | .029 | .057 | .036 | .021 | .033 | .021 | .012 | .011 | .007 | .004 | |
| 10.0 | .091 | .054 | .029 | .078 | .047 | .026 | .054 | .033 | .018 | .032 | .019 | .011 | .010 | .006 | .004 | |

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.2DEG
 Operators: Oliver
 Test Date: 2018-04-02

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 | 7.8 | 8.7 | 8.1 | 8.9 | 9.0 | 8.0 | 8.9 | 8.2 | 9.1 | 9.2 |
| 3H | 8.6 | 9.4 | 8.8 | 9.6 | 9.8 | 8.7 | 9.5 | 9.0 | 9.7 | 9.9 |
| 4H | 8.9 | 9.7 | 9.2 | 9.9 | 10.1 | 9.0 | 9.8 | 9.3 | 10.0 | 10.2 |
| 6H | 9.1 | 9.8 | 9.4 | 10.1 | 10.3 | 9.2 | 9.9 | 9.5 | 10.1 | 10.4 |
| 8H | 9.2 | 9.9 | 9.5 | 10.1 | 10.4 | 9.2 | 9.9 | 9.5 | 10.2 | 10.4 |
| 12H | 9.2 | 9.9 | 9.5 | 10.1 | 10.4 | 9.2 | 9.9 | 9.6 | 10.2 | 10.5 |
| 4H 2H | 8.1 | 8.9 | 8.4 | 9.1 | 9.3 | 8.3 | 9.0 | 8.5 | 9.3 | 9.5 |
| 3H | 9.1 | 9.7 | 9.4 | 10.0 | 10.3 | 9.1 | 9.8 | 9.5 | 10.1 | 10.4 |
| 4H | 9.5 | 10.1 | 9.8 | 10.4 | 10.7 | 9.5 | 10.1 | 9.9 | 10.4 | 10.7 |
| 6H | 9.8 | 10.3 | 10.1 | 10.6 | 11.0 | 9.8 | 10.3 | 10.2 | 10.7 | 11.0 |
| 8H | 9.9 | 10.4 | 10.3 | 10.7 | 11.1 | 9.9 | 10.4 | 10.3 | 10.7 | 11.1 |
| 12H | 9.9 | 10.4 | 10.3 | 10.8 | 11.1 | 9.9 | 10.4 | 10.3 | 10.8 | 11.2 |
| 8H 4H | 9.6 | 10.1 | 10.0 | 10.4 | 10.8 | 9.6 | 10.1 | 10.0 | 10.5 | 10.8 |
| 6H | 10.0 | 10.4 | 10.4 | 10.8 | 11.2 | 10.0 | 10.4 | 10.4 | 10.8 | 11.2 |
| 8H | 10.1 | 10.5 | 10.6 | 10.9 | 11.4 | 10.1 | 10.5 | 10.6 | 10.9 | 11.4 |
| 12H | 10.2 | 10.5 | 10.7 | 11.0 | 11.5 | 10.2 | 10.5 | 10.7 | 11.0 | 11.5 |
| 12H 4H | 9.5 | 10.0 | 10.0 | 10.4 | 10.8 | 9.6 | 10.1 | 10.0 | 10.4 | 10.8 |
| 6H | 10.0 | 10.3 | 10.4 | 10.8 | 11.2 | 10.0 | 10.4 | 10.4 | 10.8 | 11.2 |
| 8H | 10.2 | 10.5 | 10.6 | 10.9 | 11.4 | 10.2 | 10.5 | 10.6 | 10.9 | 11.4 |
| Variations with the observer position at spacings: | | | | | | | | | | |
| S = 1.0H | + 0.5 / - 0.5 | | | | | + 0.8 / - 0.6 | | | | |
| 1.5H | + 0.9 / - 0.4 | | | | | + 1.4 / - 0.4 | | | | |
| 2.0H | + 0.4 / - 0.5 | | | | | + 0.4 / - 0.4 | | | | |

CIE Pub.117, 1063 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: 2018-04-02

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:

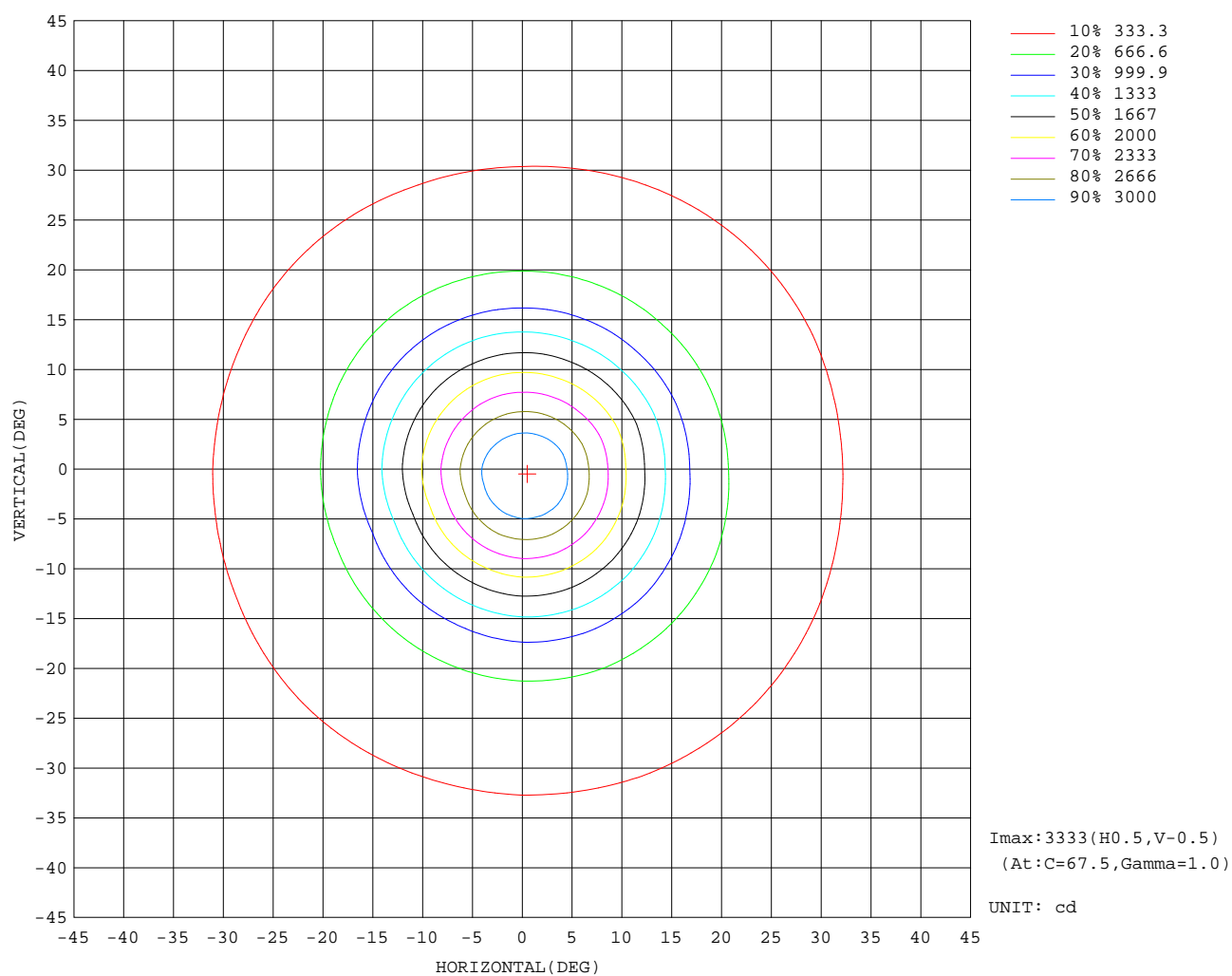
UTILIZATION FACTORS TABLE

| 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 | 85 | 78 | 74 | 84 | 77 | 73 | 83 | 77 | 73 | 69 |
| 0.80 | 92 | 86 | 82 | 91 | 85 | 81 | 90 | 85 | 81 | 77 |
| 1.00 | 97 | 91 | 87 | 96 | 90 | 86 | 94 | 90 | 86 | 82 |
| 1.25 | 101 | 95 | 91 | 100 | 95 | 91 | 98 | 93 | 90 | 86 |
| 1.50 | 104 | 99 | 95 | 103 | 98 | 94 | 100 | 96 | 93 | 89 |
| 2.00 | 107 | 102 | 99 | 106 | 101 | 98 | 103 | 99 | 97 | 91 |
| 2.50 | 109 | 105 | 101 | 107 | 103 | 100 | 104 | 101 | 99 | 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 | 110 | 112 | 110 | 108 | 108 | 107 | 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: 2018-04-02

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:

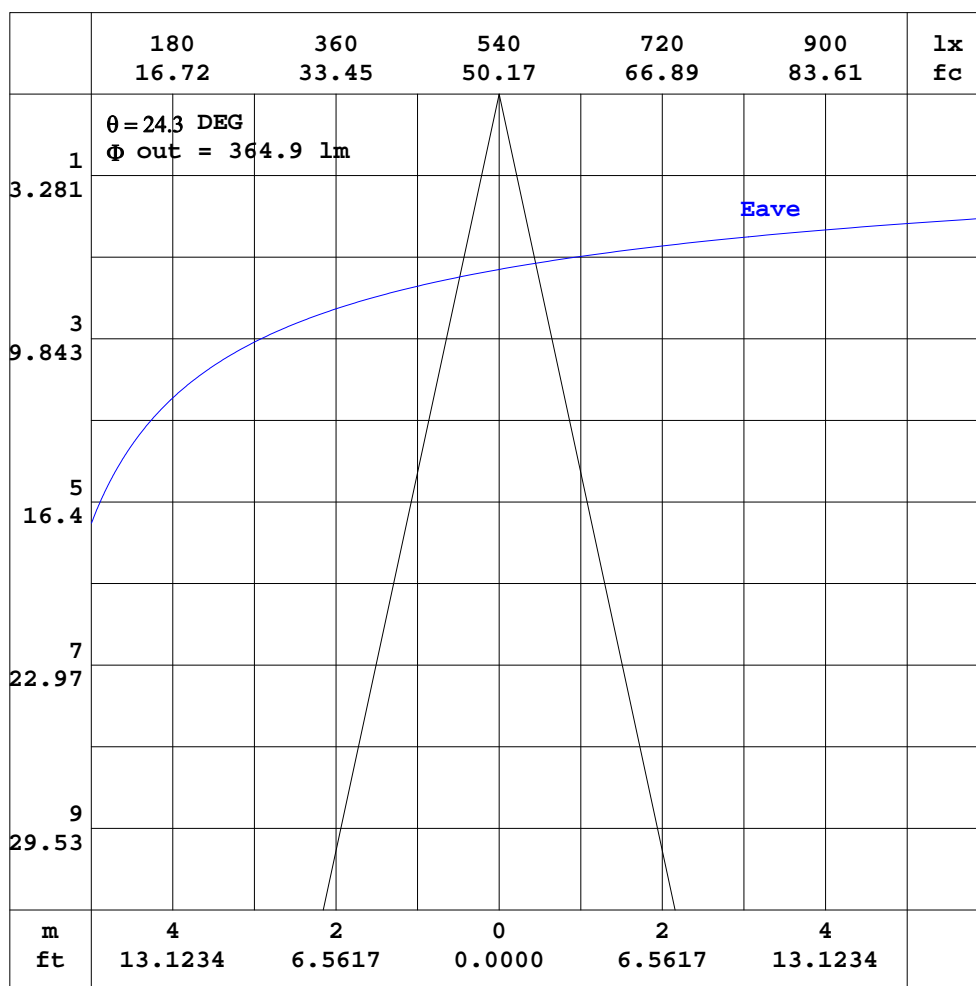
ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.2DEG
Operators: Oliver
Test Date: 2018-04-02

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

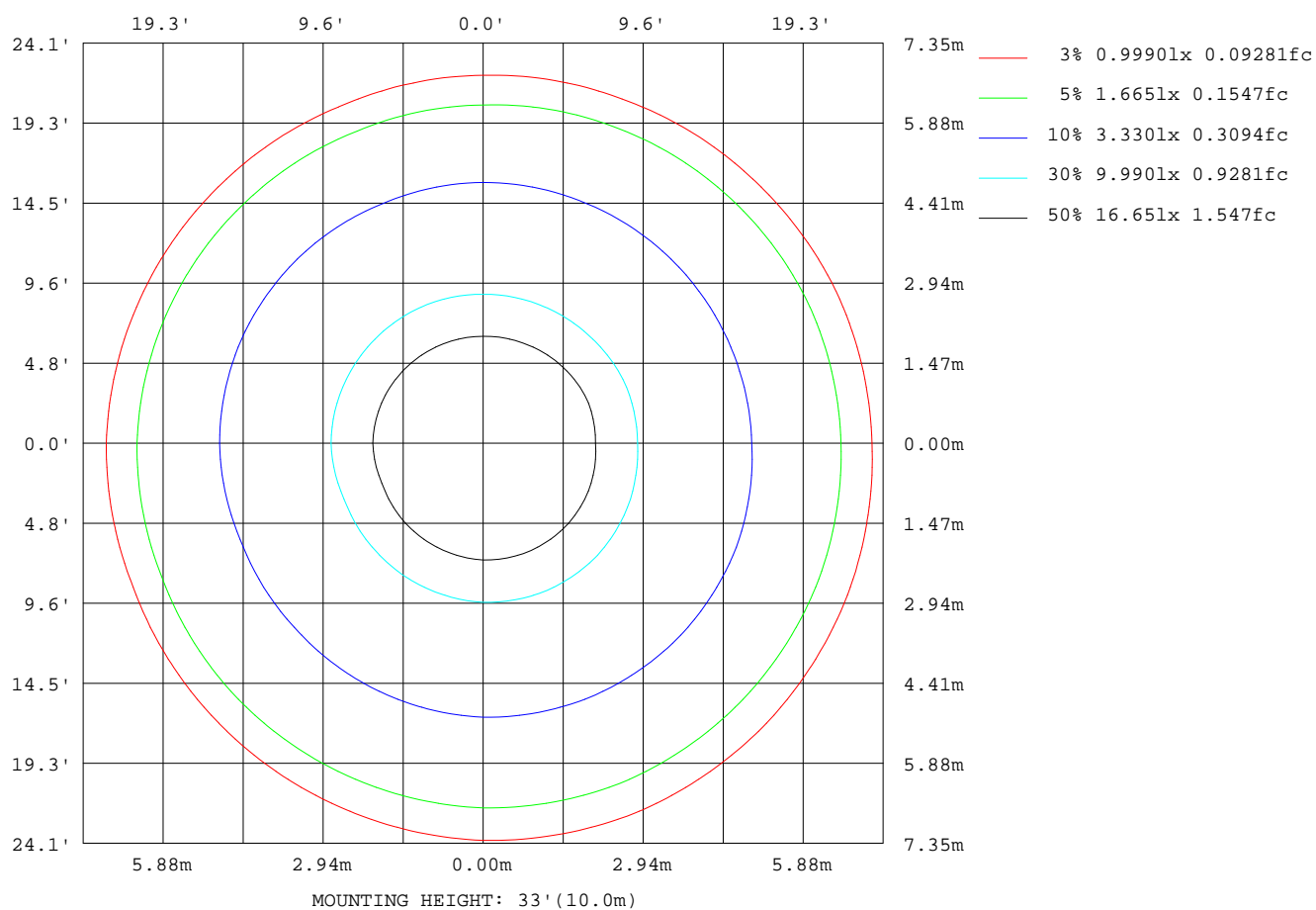


Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.2DEG
 Operators: Oliver
 Test Date: 2018-04-02

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: 2018-04-02

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:120.02V I:0.1268A P:15.012W PF:0.9866 Freq:60.00Hz Lamp Flux:1062.93x1 lm | | |
| NAME: R2ARDT-N930-WT | TYPE: Recessed-mounted Luminaire | HEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: WAC Lighting | SUR.: | Shielding Angle: |

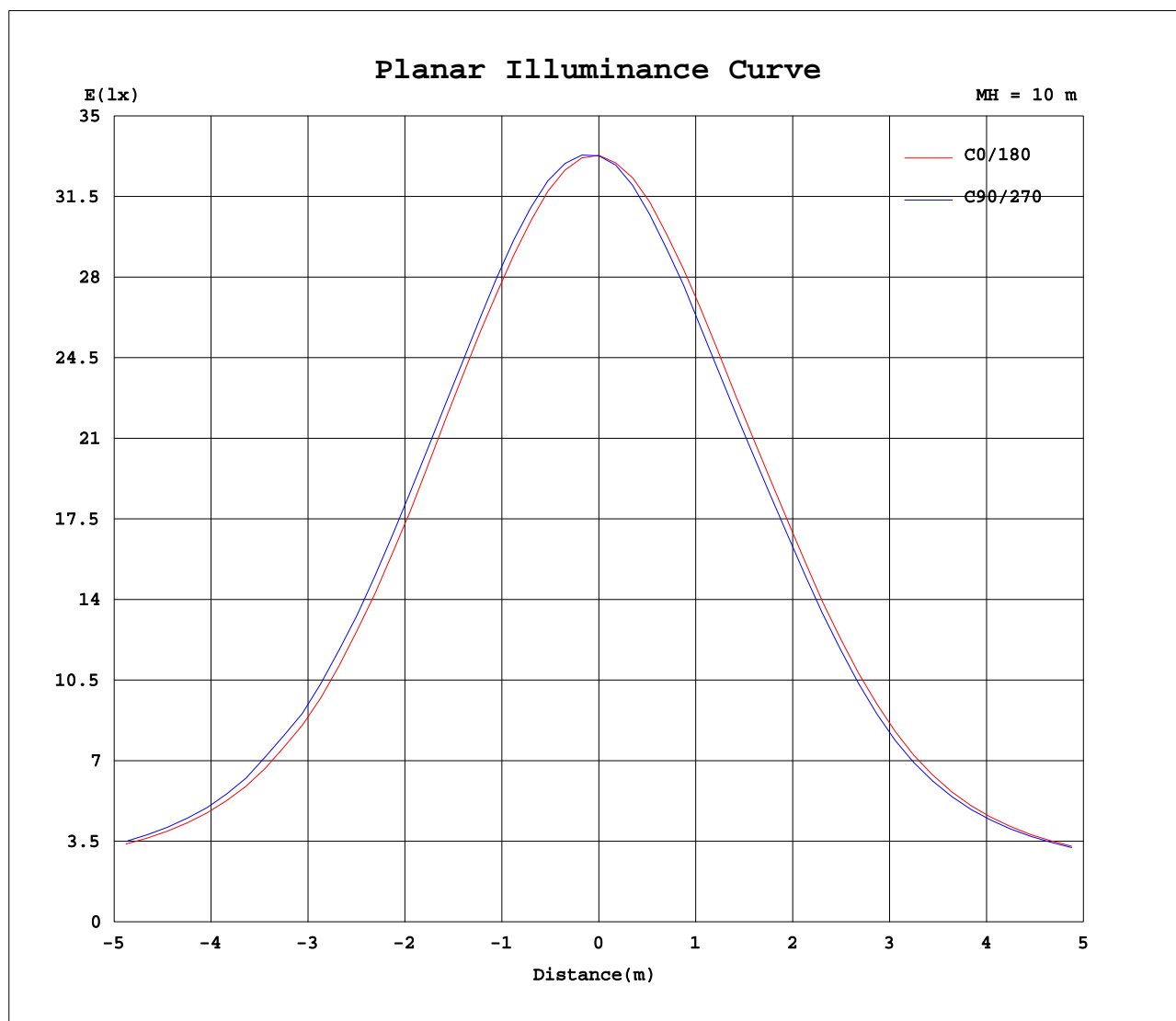
| AvgL | cd/m2 |
|----------------|-------|
| L_0~180(65)av | 567 |
| L_0~180(75)av | 483 |
| L_0~180(85)av | 359 |
| L_90~270(65)av | 563 |
| L_90~270(75)av | 484 |
| L_90~270(85)av | 365 |
| L_45(65)av | 566 |
| L_45(75)av | 483 |
| L_45(85)av | 362 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.2DEG
 Operators: Oliver
 Test Date: 2018-04-02

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: 2018-04-02

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 | 3327 | 3327 | 3327 | 3327 | 3327 | 3327 | 3327 | 3327 | 3327 | 3327 | 3327 | 3327 | 3327 | 3327 | 3327 | 3327 | | | |
| 5 | 2929 | 2970 | 3002 | 3007 | 2997 | 2969 | 2925 | 2882 | 2864 | 2827 | 2799 | 2784 | 2796 | 2814 | 2860 | 2909 | | | |
| 10 | 2073 | 2126 | 2160 | 2175 | 2153 | 2102 | 2053 | 2001 | 2017 | 1990 | 1964 | 1949 | 1947 | 1967 | 2013 | 2071 | | | |
| 15 | 1234 | 1287 | 1325 | 1331 | 1310 | 1256 | 1204 | 1168 | 1198 | 1182 | 1164 | 1161 | 1149 | 1159 | 1184 | 1235 | | | |
| 20 | 710 | 744 | 765 | 769 | 752 | 723 | 695 | 677 | 681 | 676 | 671 | 661 | 657 | 661 | 672 | 695 | | | |
| 25 | 488 | 506 | 515 | 517 | 508 | 493 | 476 | 467 | 473 | 472 | 469 | 463 | 465 | 465 | 471 | 479 | | | |
| 30 | 398 | 405 | 407 | 407 | 406 | 397 | 384 | 372 | 368 | 356 | 348 | 341 | 347 | 365 | 380 | 394 | | | |
| 35 | 207 | 227 | 240 | 246 | 238 | 214 | 193 | 171 | 165 | 152 | 140 | 134 | 140 | 148 | 166 | 192 | | | |
| 40 | 83.6 | 87.6 | 93.7 | 93.1 | 85.8 | 82.4 | 72.8 | 70.3 | 69.6 | 68.3 | 67.6 | 68.3 | 68.9 | 69.9 | 71.7 | 75.2 | | | |
| 45 | 60.8 | 61.7 | 62.5 | 62.6 | 61.9 | 60.0 | 58.0 | 57.0 | 56.8 | 56.1 | 56.1 | 57.0 | 57.4 | 57.8 | 58.8 | 60.1 | | | |
| 50 | 49.3 | 50.1 | 51.0 | 50.9 | 50.2 | 48.5 | 47.0 | 46.0 | 45.8 | 45.4 | 45.3 | 46.0 | 46.2 | 46.7 | 47.6 | 48.9 | | | |
| 55 | 39.1 | 39.9 | 40.8 | 40.4 | 39.8 | 38.5 | 37.3 | 36.6 | 36.6 | 36.1 | 35.9 | 36.3 | 36.5 | 36.9 | 37.9 | 38.8 | | | |
| 60 | 30.9 | 31.6 | 32.3 | 31.7 | 31.2 | 30.4 | 29.7 | 29.3 | 29.2 | 28.8 | 28.5 | 28.7 | 28.9 | 29.3 | 30.0 | 30.6 | | | |
| 65 | 24.4 | 25.0 | 25.3 | 24.6 | 24.4 | 24.0 | 23.7 | 23.5 | 23.5 | 23.1 | 22.9 | 23.0 | 23.2 | 23.6 | 23.9 | 24.3 | | | |
| 70 | 18.7 | 18.8 | 18.7 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.7 | 18.6 | 18.6 | 18.7 | 18.9 | 19.0 | 19.0 | 19.1 | | | |
| 75 | 12.2 | 12.0 | 11.8 | 11.8 | 11.8 | 11.8 | 11.9 | 12.1 | 12.8 | 13.0 | 13.2 | 13.3 | 13.3 | 13.2 | 13.1 | 12.8 | | | |
| 80 | 7.15 | 7.02 | 6.93 | 6.88 | 6.86 | 6.90 | 6.97 | 7.12 | 7.56 | 7.73 | 7.87 | 7.94 | 7.94 | 7.87 | 7.75 | 7.58 | | | |
| 85 | 3.02 | 2.94 | 2.87 | 2.83 | 2.81 | 2.81 | 2.85 | 2.92 | 3.23 | 3.35 | 3.46 | 3.53 | 3.55 | 3.52 | 3.44 | 3.33 | | | |
| 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 | 0.01 | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 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 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.04 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.04 | 0.04 | | | |
| 130 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.10 | 0.11 | 0.11 | 0.11 | 0.11 | 0.10 | 0.10 | 0.09 | | | |
| 135 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.10 | 0.19 | 0.20 | 0.20 | 0.20 | 0.20 | 0.19 | 0.19 | 0.18 | | | |
| 140 | 0.16 | 0.16 | 0.15 | 0.15 | 0.15 | 0.16 | 0.16 | 0.17 | 0.31 | 0.32 | 0.33 | 0.33 | 0.33 | 0.32 | 0.31 | 0.30 | | | |
| 145 | 0.27 | 0.27 | 0.26 | 0.26 | 0.26 | 0.27 | 0.27 | 0.28 | 0.48 | 0.49 | 0.50 | 0.50 | 0.50 | 0.49 | 0.48 | 0.47 | | | |
| 150 | 0.38 | 0.37 | 0.36 | 0.36 | 0.36 | 0.37 | 0.37 | 0.37 | 0.67 | 0.68 | 0.69 | 0.69 | 0.69 | 0.68 | 0.67 | 0.66 | | | |
| 155 | 0.43 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.43 | 0.84 | 0.84 | 0.85 | 0.85 | 0.85 | 0.85 | 0.84 | 0.83 | | | |
| 160 | 0.47 | 0.46 | 0.46 | 0.45 | 0.45 | 0.45 | 0.46 | 0.46 | 0.95 | 0.94 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.94 | | | |
| 165 | 0.48 | 0.48 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | | | |
| 170 | 0.48 | 0.48 | 0.48 | 0.47 | 0.47 | 0.47 | 0.48 | 0.47 | 0.88 | 0.88 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | | | |
| 175 | 0.53 | 0.53 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 0.75 | 0.75 | 0.75 | 0.74 | 0.74 | 0.74 | 0.74 | 0.74 | | | |
| 180 | 0.65 | 0.63 | 0.63 | 0.63 | 0.62 | 0.63 | 0.63 | 0.64 | 0.64 | 0.64 | 0.63 | 0.63 | 0.62 | 0.62 | 0.62 | 0.63 | | | |

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