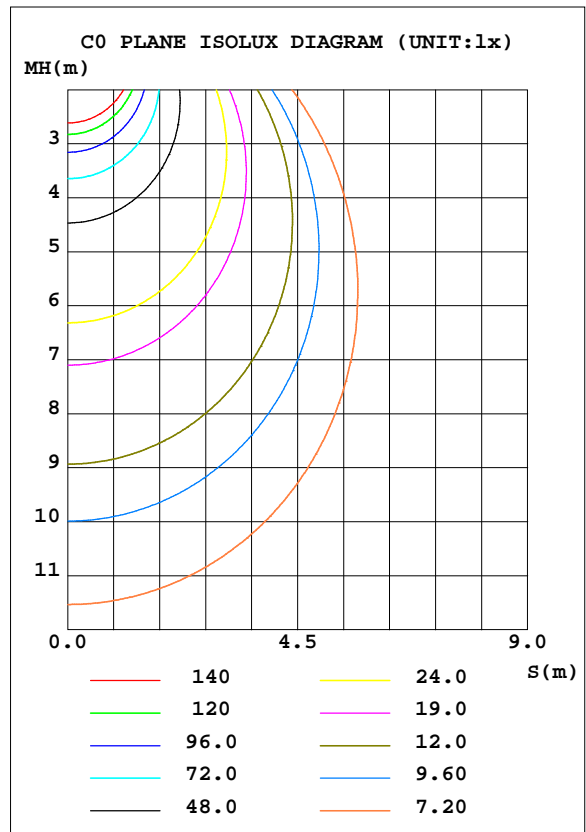
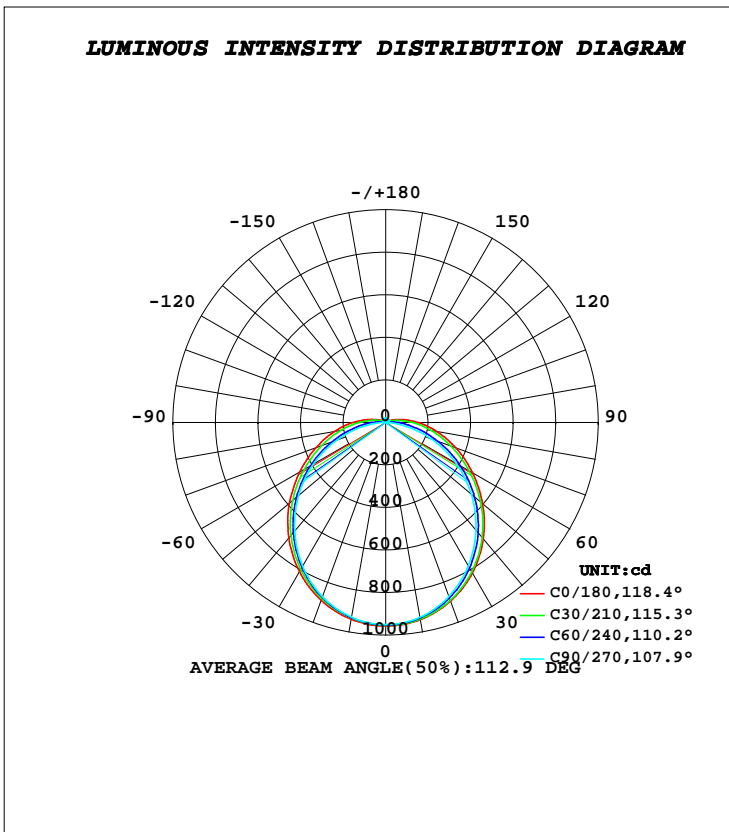


LUMINAIRE PHOTOMETRIC TEST REPORT

| | | |
|---|----------|--|
| Test:U:220.1V I:0.1690A P:30.60W PF:0.8210 Lamp Flux:3022.89x1 lm | | |
| NAME: 0.9M-33W-3000K | TYPE:LED | |
| MFR.: | | |
| | | |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 98.79 lm/W | | | |
|------------------|----------------|----------------------------------|--------|--------------------|----------|
| MODEL | 0.9M-33W-3000K | I _{max} (cd) | 957.6 | S/MH(C0/180) | 1.27 |
| NOMINAL POWER(W) | 33 | LOR(%) | 100.0 | S/MH(C90/270) | 1.22 |
| RATED VOLTAGE(V) | 220 | TOTAL FLUX(lm) | 3022.9 | η UP, DN(C0-180) | 2.6,46.8 |
| NOMINAL FLUX(lm) | 3022.89 | CIE CLASS | DIRECT | η UP, DN(C180-360) | 2.8,47.8 |
| LAMPS INSIDE | 1 | η up(%) | 5.4 | CIBSE SHR NOM | 1.25 |
| TEST VOLTAGE(V) | 220.1 | η down(%) | 94.6 | CIBSE SHR MAX | 1.35 |



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2018-01-13

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.267
Humidity:65.0%
Test Distance:8.000m [K=0.7063]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | Φ zone | Φ total | %lum,lamp |
|----------|-----------------------|-------|-------|-------|-------|-------|-------|-------|----------|-------------|--------------|-----------|
| 10 | 941.5 | 936.3 | 929.5 | 926.1 | 939.4 | 932.4 | 929.4 | 933.7 | 0- 10 | 89.96 | 89.96 | 2.98,2.98 |
| 20 | 893.6 | 883.8 | 870.1 | 868.8 | 889.3 | 877.7 | 871.2 | 883.4 | 10- 20 | 256.9 | 346.8 | 11.5,11.5 |
| 30 | 816.2 | 800.1 | 778.0 | 781.1 | 810.8 | 792.9 | 781.2 | 802.3 | 20- 30 | 387.3 | 734.2 | 24.3,24.3 |
| 40 | 714.6 | 691.3 | 660.8 | 669.6 | 708.8 | 684.6 | 666.0 | 696.3 | 30- 40 | 464.9 | 1199 | 39.7,39.7 |
| 50 | 595.1 | 564.3 | 526.3 | 541.2 | 592.1 | 560.0 | 535.2 | 572.9 | 40- 50 | 482.0 | 1681 | 55.6,55.6 |
| 60 | 470.7 | 428.0 | 380.3 | 405.2 | 467.4 | 425.8 | 393.3 | 437.8 | 50- 60 | 441.2 | 2122 | 70.2,70.2 |
| 70 | 351.5 | 294.6 | 228.2 | 273.0 | 349.5 | 295.6 | 246.6 | 305.7 | 60- 70 | 355.1 | 2477 | 82,82 |
| 80 | 242.6 | 178.1 | 83.25 | 159.0 | 243.1 | 180.9 | 102.3 | 186.8 | 70- 80 | 244.3 | 2722 | 90,90 |
| 90 | 152.3 | 91.51 | 5.835 | 77.32 | 154.4 | 94.35 | 9.111 | 97.28 | 80- 90 | 137.7 | 2859 | 94.6,94.6 |
| 100 | 81.99 | 38.41 | 7.458 | 31.55 | 83.70 | 41.24 | 9.111 | 42.73 | 90-100 | 67.30 | 2927 | 96.8,96.8 |
| 110 | 35.60 | 16.25 | 9.429 | 14.33 | 37.20 | 18.20 | 10.82 | 18.80 | 100-110 | 29.90 | 2956 | 97.8,97.8 |
| 120 | 14.69 | 12.00 | 11.46 | 11.97 | 16.22 | 13.40 | 12.68 | 13.19 | 110-120 | 15.00 | 2971 | 98.3,98.3 |
| 130 | 14.39 | 13.96 | 13.55 | 14.02 | 15.64 | 15.16 | 14.53 | 14.79 | 120-130 | 12.19 | 2984 | 98.7,98.7 |
| 140 | 16.26 | 15.93 | 15.65 | 15.98 | 17.19 | 16.84 | 16.37 | 16.47 | 130-140 | 11.92 | 2996 | 99.1,99.1 |
| 150 | 18.02 | 17.83 | 17.68 | 17.79 | 18.66 | 18.41 | 18.14 | 18.09 | 140-150 | 10.78 | 3006 | 99.5,99.5 |
| 160 | 19.81 | 19.61 | 19.52 | 19.49 | 20.16 | 19.87 | 19.73 | 19.63 | 150-160 | 8.720 | 3015 | 99.7,99.7 |
| 170 | 21.38 | 21.08 | 21.01 | 20.93 | 21.51 | 21.11 | 21.01 | 20.91 | 160-170 | 5.769 | 3021 | 99.9,99.9 |
| 180 | 21.91 | 21.60 | 21.52 | 21.41 | 22.00 | 21.59 | 21.49 | 21.42 | 170-180 | 2.035 | 3023 | 100,100 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

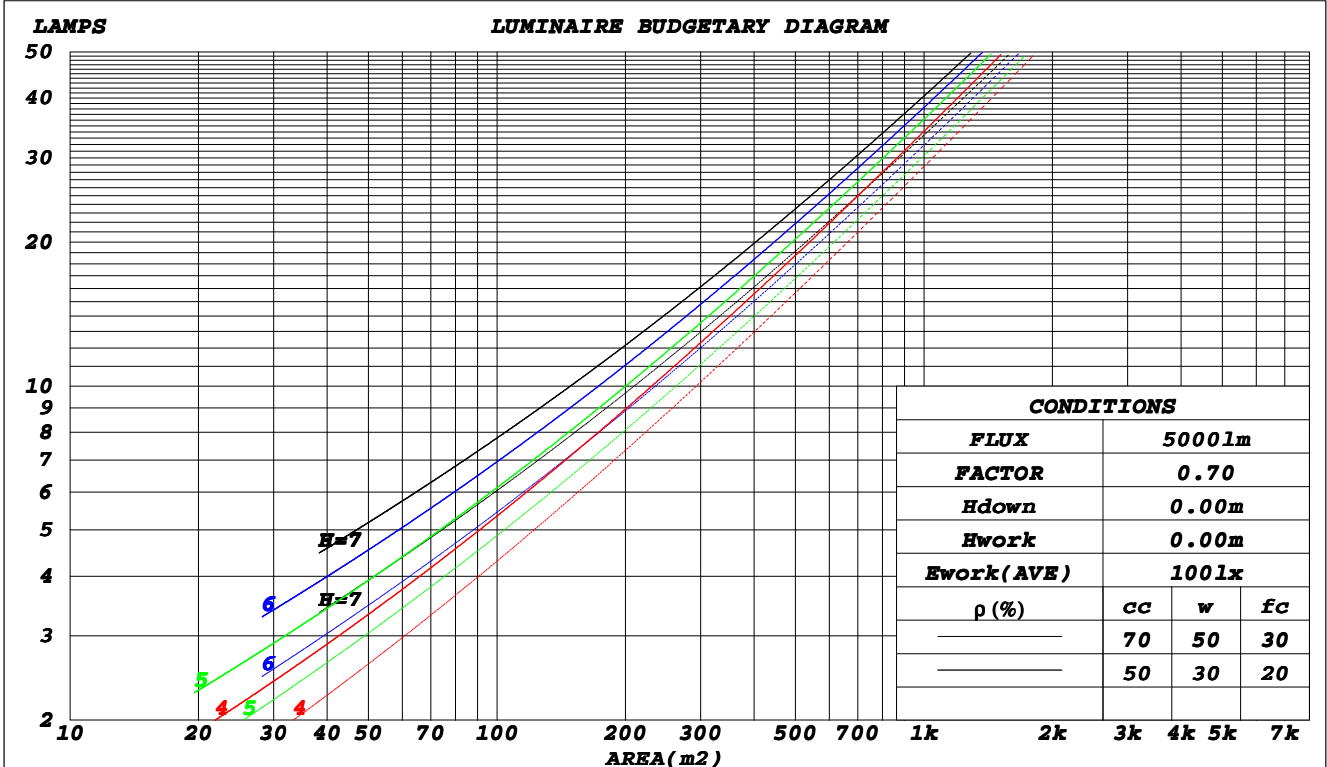
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2018-01-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.267
Humidity:65.0%
Test Distance:8.000m [K=0.7063]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|---|----------|--|
| Test:U:220.1V I:0.1690A P:30.60W PF:0.8210 Lamp Flux:3022.89x1 lm | | |
| NAME: 0.9M-33W-3000K | TYPE:LED | |
| MFR.: | | |
| | | |

| ρcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|------|---------------------------------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|
| | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| ρw | 0 | | | | | | | | | | | | | | | |
| ρfc | 0 | | | | | | | | | | | | | | | |
| RCR | RCR:Room Cavity Ratio | | | | | | | | | | | | | | | |
| | Coefficients of Utilization(CU) | | | | | | | | | | | | | | | |
| 0.0 | 1.18 | 1.18 | 1.18 | 1.14 | 1.14 | 1.14 | 1.08 | 1.08 | 1.08 | 1.02 | 1.02 | 1.02 | .97 | .97 | .97 | .95 |
| 1.0 | 1.01 | .96 | .92 | .98 | .94 | .90 | .93 | .89 | .86 | .88 | .85 | .82 | .83 | .81 | .79 | .76 |
| 2.0 | .87 | .80 | .74 | .85 | .78 | .73 | .80 | .75 | .70 | .76 | .72 | .68 | .72 | .69 | .65 | .63 |
| 3.0 | .76 | .68 | .61 | .74 | .66 | .60 | .71 | .64 | .58 | .67 | .61 | .57 | .64 | .59 | .55 | .52 |
| 4.0 | .67 | .58 | .51 | .66 | .57 | .51 | .63 | .55 | .49 | .60 | .53 | .48 | .57 | .51 | .47 | .45 |
| 5.0 | .60 | .51 | .44 | .59 | .50 | .44 | .56 | .48 | .43 | .53 | .47 | .42 | .51 | .45 | .41 | .38 |
| 6.0 | .54 | .45 | .38 | .53 | .44 | .38 | .51 | .43 | .37 | .48 | .42 | .37 | .46 | .40 | .36 | .34 |
| 7.0 | .49 | .40 | .34 | .48 | .40 | .34 | .46 | .38 | .33 | .44 | .37 | .32 | .42 | .36 | .32 | .30 |
| 8.0 | .45 | .36 | .30 | .44 | .36 | .30 | .42 | .35 | .29 | .40 | .34 | .29 | .39 | .33 | .28 | .26 |
| 9.0 | .41 | .33 | .27 | .40 | .32 | .27 | .39 | .31 | .26 | .37 | .31 | .26 | .36 | .30 | .26 | .24 |
| 10.0 | .38 | .30 | .25 | .37 | .29 | .24 | .36 | .29 | .24 | .34 | .28 | .24 | .33 | .27 | .23 | .21 |



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2018-01-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.267
 Humidity: 65.0%
 Test Distance: 8.000m [K=0.7063]
 Remarks:

WEC AND CCEC

| | | |
|---|----------|--|
| Test:U:220.1V I:0.1690A P:30.60W PF:0.8210 Lamp Flux:3022.89x1 lm | | |
| NAME: 0.9M-33W-3000K | TYPE:LED | |
| MFR.: | | |
| | | |

| ρ_{cc} | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|-------------|------------------------------|------|------|------|------|------|--|------|------|------|------|------|------|------|------|---|
| ρ_w | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| ρ_{fc} | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Wall Exitance Coefficients(WEC) | | | | | | | | | |
| 0.0 | | | | | | | | | | | | | | | | |
| 1.0 | .343 | .195 | .062 | .334 | .191 | .061 | .318 | .182 | .058 | .303 | .174 | .056 | .289 | .167 | .054 | |
| 2.0 | .309 | .170 | .052 | .302 | .166 | .051 | .287 | .160 | .050 | .273 | .153 | .048 | .261 | .148 | .047 | |
| 3.0 | .281 | .149 | .045 | .274 | .147 | .044 | .261 | .141 | .043 | .249 | .136 | .042 | .237 | .131 | .041 | |
| 4.0 | .256 | .133 | .039 | .250 | .131 | .039 | .238 | .126 | .038 | .227 | .122 | .037 | .217 | .118 | .036 | |
| 5.0 | .235 | .120 | .035 | .230 | .118 | .034 | .219 | .114 | .034 | .209 | .110 | .033 | .200 | .107 | .032 | |
| 6.0 | .217 | .109 | .031 | .212 | .107 | .031 | .202 | .104 | .030 | .194 | .101 | .030 | .185 | .098 | .029 | |
| 7.0 | .201 | .099 | .028 | .197 | .098 | .028 | .188 | .095 | .027 | .180 | .092 | .027 | .172 | .090 | .026 | |
| 8.0 | .187 | .092 | .026 | .183 | .090 | .025 | .175 | .088 | .025 | .168 | .085 | .025 | .161 | .083 | .024 | |
| 9.0 | .175 | .085 | .024 | .171 | .084 | .023 | .164 | .081 | .023 | .158 | .079 | .023 | .151 | .077 | .022 | |
| 10.0 | .164 | .079 | .022 | .161 | .078 | .022 | .155 | .076 | .021 | .149 | .074 | .021 | .143 | .072 | .021 | |

| ρ_{cc} | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|-------------|------------------------------|------|------|------|------|------|---|------|------|------|------|------|------|------|------|---|
| ρ_w | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| ρ_{fc} | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Ceiling Cavity Exitance Coefficients(CCEC) | | | | | | | | | |
| 0.0 | | | | | | | | | | | | | | | | |
| 1.0 | .224 | .197 | .173 | .192 | .169 | .149 | .131 | .117 | .103 | .076 | .067 | .060 | .024 | .022 | .019 | |
| 2.0 | .216 | .174 | .138 | .185 | .150 | .119 | .127 | .103 | .083 | .073 | .060 | .049 | .024 | .019 | .016 | |
| 3.0 | .209 | .156 | .115 | .179 | .135 | .100 | .123 | .094 | .070 | .071 | .055 | .041 | .023 | .018 | .013 | |
| 4.0 | .201 | .143 | .100 | .172 | .124 | .086 | .119 | .086 | .061 | .069 | .051 | .036 | .022 | .016 | .012 | |
| 5.0 | .193 | .133 | .089 | .166 | .115 | .077 | .114 | .081 | .055 | .066 | .047 | .032 | .021 | .015 | .011 | |
| 6.0 | .186 | .125 | .081 | .160 | .108 | .071 | .110 | .076 | .050 | .064 | .045 | .030 | .021 | .015 | .010 | |
| 7.0 | .179 | .118 | .076 | .154 | .102 | .066 | .106 | .072 | .047 | .062 | .042 | .028 | .020 | .014 | .009 | |
| 8.0 | .172 | .112 | .071 | .148 | .097 | .062 | .103 | .068 | .044 | .060 | .040 | .026 | .019 | .013 | .009 | |
| 9.0 | .166 | .107 | .068 | .143 | .093 | .059 | .099 | .066 | .042 | .058 | .039 | .025 | .019 | .013 | .008 | |
| 10.0 | .160 | .103 | .065 | .138 | .090 | .057 | .096 | .063 | .040 | .056 | .037 | .024 | .018 | .012 | .008 | |

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2018-01-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.267
Humidity:65.0%
Test Distance:8.000m [K=0.7063]
Remarks:

Uncorrected UGR Table

| | | | | | | | | | | |
|---|--|--|--|--|--|----------|--|--|--|--|
| Test:U:220.1V I:0.1690A P:30.60W PF:0.8210 Lamp Flux:3022.89x1 lm | | | | | | | | | | |
| NAME: 0.9M-33W-3000K | | | | | | TYPE:LED | | | | |
| MFR.: | | | | | | | | | | |
| | | | | | | | | | | |

| 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 | 20.7 | 22.2 | 21.1 | 22.5 | 22.8 | 19.9 | 21.4 | 20.2 | 21.7 | 22.0 |
| 3H | 22.7 | 24.1 | 23.1 | 24.4 | 24.8 | 21.3 | 22.7 | 21.7 | 23.0 | 23.4 |
| 4H | 23.8 | 25.1 | 24.2 | 25.4 | 25.8 | 21.9 | 23.2 | 22.3 | 23.5 | 23.9 |
| 6H | 24.9 | 26.1 | 25.3 | 26.5 | 26.9 | 22.2 | 23.4 | 22.6 | 23.8 | 24.2 |
| 8H | 25.4 | 26.6 | 25.9 | 27.0 | 27.4 | 22.3 | 23.5 | 22.7 | 23.9 | 24.3 |
| 12H | 26.1 | 27.2 | 26.5 | 27.6 | 28.1 | 22.3 | 23.5 | 22.7 | 23.9 | 24.3 |
| 4H 2H | 21.3 | 22.6 | 21.7 | 23.0 | 23.3 | 20.6 | 21.9 | 21.0 | 22.3 | 22.7 |
| 3H | 23.5 | 24.7 | 24.0 | 25.1 | 25.5 | 22.3 | 23.4 | 22.7 | 23.8 | 24.2 |
| 4H | 24.7 | 25.8 | 25.2 | 26.2 | 26.7 | 23.0 | 24.0 | 23.4 | 24.4 | 24.9 |
| 6H | 26.0 | 27.0 | 26.5 | 27.4 | 27.9 | 23.5 | 24.4 | 23.9 | 24.9 | 25.3 |
| 8H | 26.7 | 27.6 | 27.2 | 28.1 | 28.6 | 23.6 | 24.5 | 24.1 | 25.0 | 25.5 |
| 12H | 27.5 | 28.3 | 28.0 | 28.8 | 29.3 | 23.7 | 24.5 | 24.2 | 25.0 | 25.5 |
| 8H 4H | 25.0 | 25.9 | 25.5 | 26.4 | 26.9 | 23.5 | 24.4 | 24.0 | 24.8 | 25.4 |
| 6H | 26.6 | 27.3 | 27.1 | 27.8 | 28.4 | 24.2 | 25.0 | 24.8 | 25.5 | 26.0 |
| 8H | 27.5 | 28.1 | 28.0 | 28.6 | 29.2 | 24.5 | 25.2 | 25.1 | 25.7 | 26.3 |
| 12H | 28.5 | 29.0 | 29.0 | 29.6 | 30.2 | 24.7 | 25.3 | 25.3 | 25.8 | 26.4 |
| 12H 4H | 25.0 | 25.9 | 25.6 | 26.3 | 26.9 | 23.6 | 24.5 | 24.2 | 24.9 | 25.5 |
| 6H | 26.7 | 27.3 | 27.2 | 27.8 | 28.4 | 24.5 | 25.2 | 25.1 | 25.7 | 26.3 |
| 8H | 27.6 | 28.2 | 28.2 | 28.7 | 29.3 | 24.9 | 25.5 | 25.5 | 26.0 | 26.6 |
| Variations with the observer position at spacings: | | | | | | | | | | |
| S = 1.0H | + 0.1 / - 0.1 | | | | | + 0.1 / - 0.2 | | | | |
| 1.5H | + 0.2 / - 0.3 | | | | | + 0.2 / - 0.3 | | | | |
| 2.0H | + 0.2 / - 0.3 | | | | | + 0.2 / - 0.4 | | | | |

CIE Pub.117 Corrected 3023 lm Total Lamp Luminous Flux.(8log(F/F0) = 3.8)
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2018-01-13
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.267
Humidity:65.0%
Test Distance:8.000m [K=0.7063]
Remarks:

UTILIZATION FACTORS TABLE

| | | |
|---|----------|--|
| Test:U:220.1V I:0.1690A P:30.60W PF:0.8210 Lamp Flux:3022.89x1 lm | | |
| NAME: 0.9M-33W-3000K | TYPE:LED | |
| MFR.: | | |
| | | |

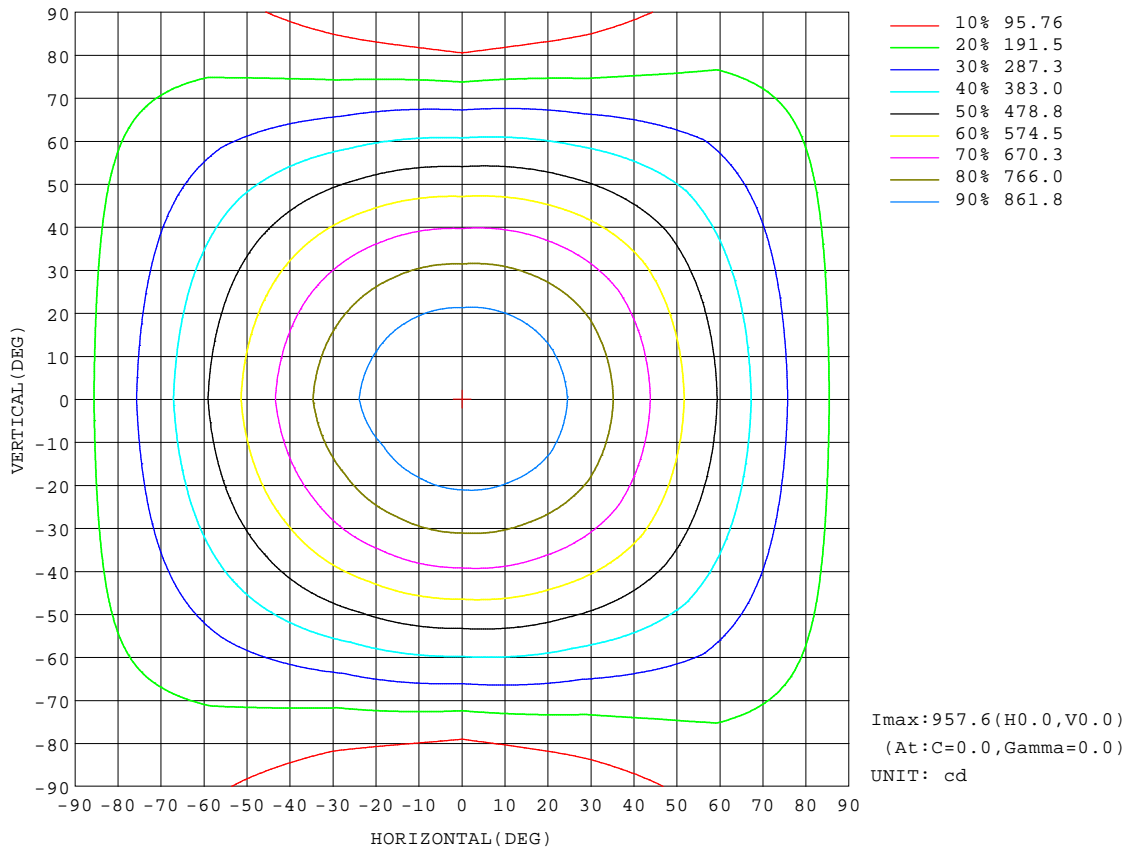
| REFLECTANCE | | | | | | | | | | |
|---|---|-----|------------------|-----|-----|-----|----------------------|-----|-----|---------------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 0.2 | 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 | 55 | 43 | 36 | 54 | 42 | 35 | 52 | 42 | 35 | 29 |
| 0.80 | 64 | 52 | 45 | 63 | 52 | 44 | 61 | 51 | 44 | 37 |
| 1.00 | 72 | 61 | 53 | 71 | 60 | 53 | 68 | 61 | 52 | 44 |
| 1.25 | 79 | 68 | 60 | 78 | 67 | 60 | 74 | 65 | 59 | 51 |
| 1.50 | 84 | 74 | 66 | 82 | 72 | 65 | 79 | 70 | 64 | 56 |
| 2.00 | 91 | 82 | 75 | 89 | 80 | 74 | 85 | 78 | 72 | 63 |
| 2.50 | 95 | 87 | 80 | 93 | 85 | 79 | 88 | 82 | 76 | 67 |
| 3.00 | 99 | 91 | 85 | 96 | 89 | 83 | 91 | 85 | 81 | 71 |
| 4.00 | 103 | 96 | 91 | 100 | 94 | 89 | 95 | 90 | 86 | 75 |
| 5.00 | 106 | 100 | 95 | 103 | 98 | 93 | 97 | 93 | 89 | 79 |
| ROOM INDEX | UF(total) | | | | | | | | | Direct |
| According to DIN EN 13032-2 2004 | | | Suspended | | | | SHRNOM = 1.25 | | | |

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2018-01-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.267
Humidity:65.0%
Test Distance:8.000m [K=0.7063]
Remarks:

ISOCANDELA DIAGRAM

| | | |
|---|----------|--|
| Test:U:220.1V I:0.1690A P:30.60W PF:0.8210 Lamp Flux:3022.89x1 lm | | |
| NAME: 0.9M-33W-3000K | TYPE:LED | |
| MFR.: | | |
| | | |



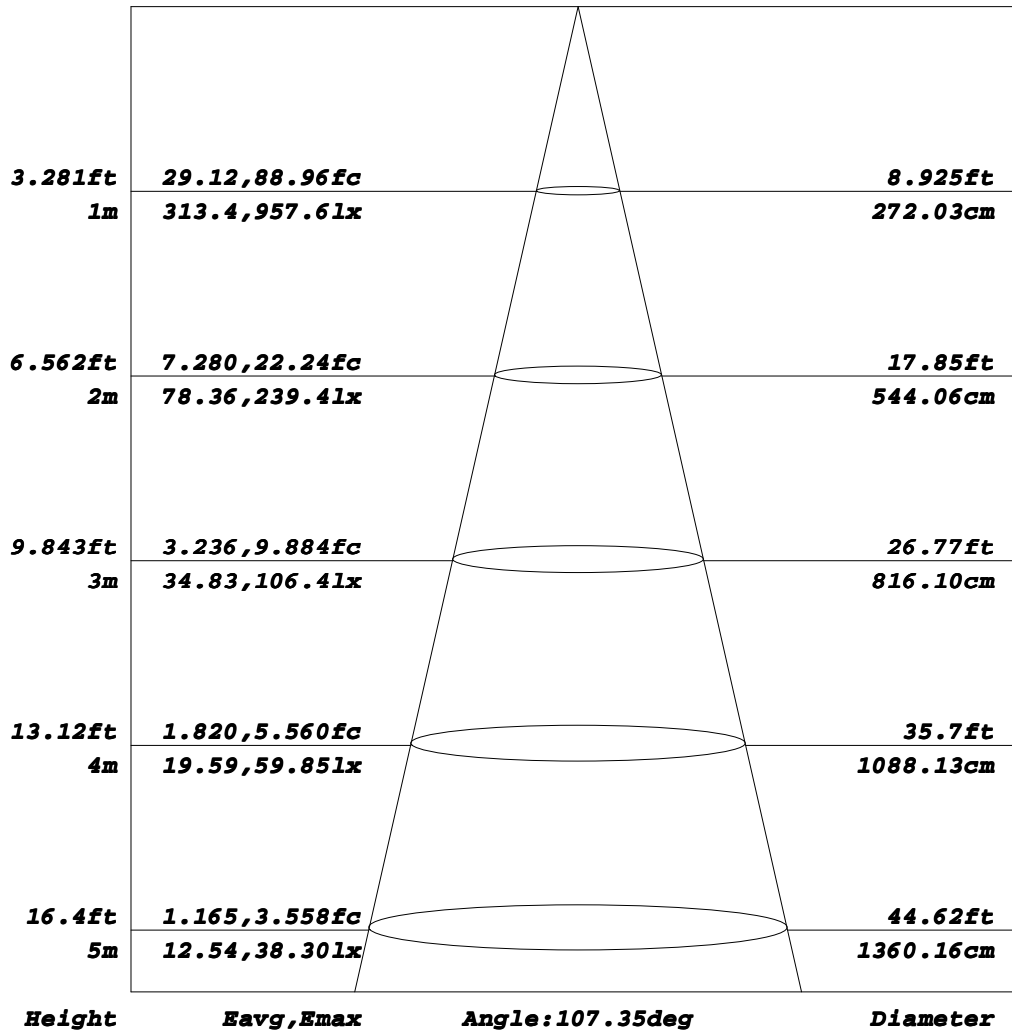
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2018-01-13

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.267
Humidity:65.0%
Test Distance:8.000m [K=0.7063]
Remarks:

AAI Figure

| | | |
|---|----------|--|
| Test:U:220.1V I:0.1690A P:30.60W PF:0.8210 Lamp Flux:3022.89x1 lm | | |
| NAME: 0.9M-33W-3000K | TYPE:LED | |
| MFR.: | | |
| | | |

Flux out:1865 lm



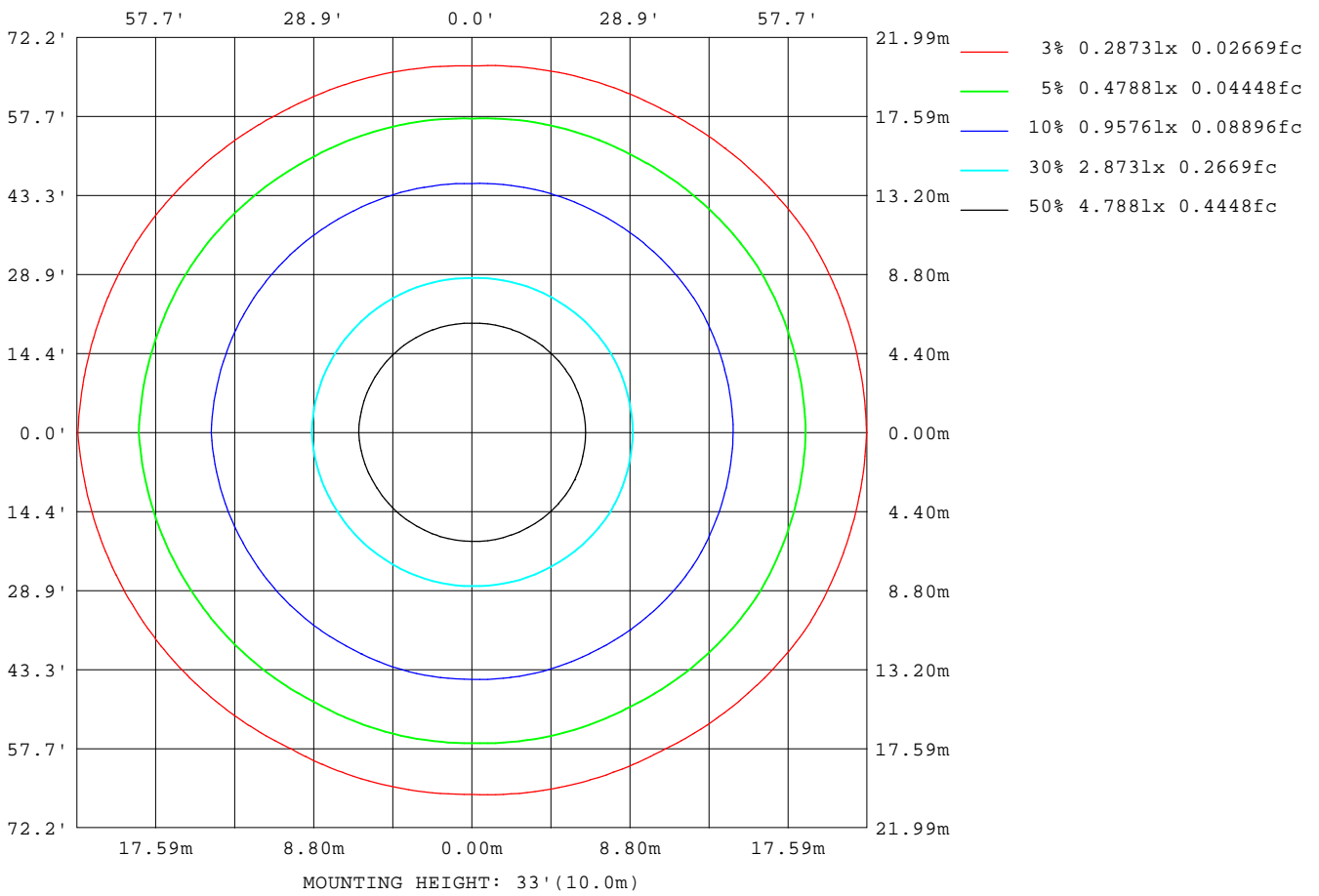
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2018-01-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.267
 Humidity: 65.0%
 Test Distance: 8.000m [K=0.7063]
 Remarks:

ISOLUX DIAGRAM

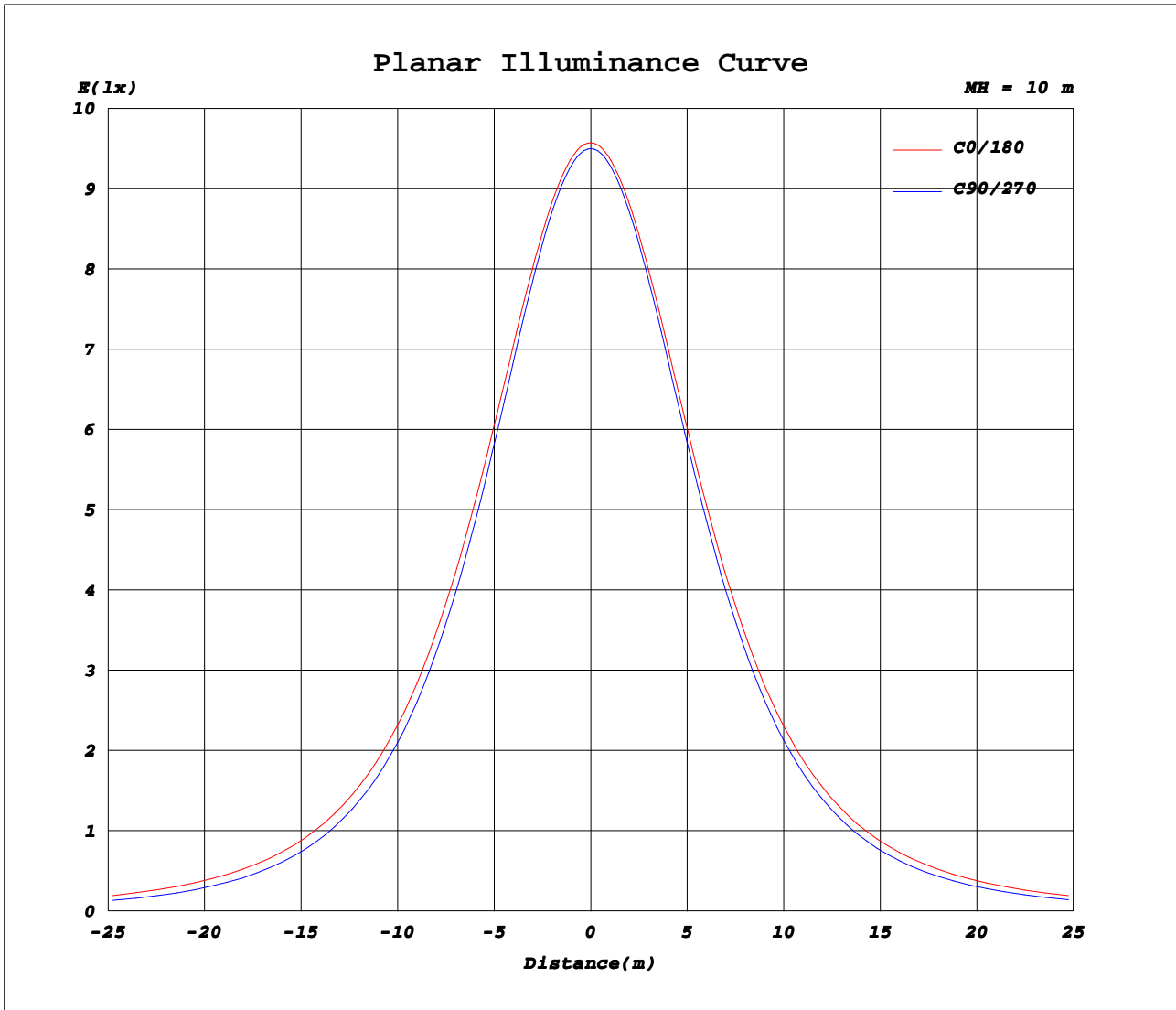
| | | |
|---|----------|--|
| Test:U:220.1V I:0.1690A P:30.60W PF:0.8210 Lamp Flux:3022.89x1 lm | | |
| NAME: 0.9M-33W-3000K | TYPE:LED | |
| MFR.: | | |
| | | |



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2018-01-13

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.267
Humidity: 65.0%
Test Distance: 8.000m [K=0.7063]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2018-01-13

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.267
Humidity: 65.0%
Test Distance: 8.000m [K=0.7063]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|---|----------|--|
| Test:U:220.1V I:0.1690A P:30.60W PF:0.8210 Lamp Flux:3022.89x1 lm | | |
| NAME: 0.9M-33W-3000K | TYPE:LED | |
| MFR.: | | |
| | | |

Table--1

UNIT: cd

| C(DEG) γ (DEG) | 0 | 30 | 60 | 90 | 120 | 150 | 180 | 210 | 240 | 270 | 300 | 330 | | | | | | | |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|--|--|--|--|--|
| 0 | 958 | 954 | 952 | 950 | 949 | 948 | 958 | 954 | 952 | 950 | 949 | 948 | | | | | | | |
| 5 | 954 | 951 | 947 | 945 | 942 | 941 | 953 | 948 | 946 | 945 | 946 | 946 | | | | | | | |
| 10 | 941 | 939 | 933 | 929 | 926 | 926 | 939 | 933 | 931 | 929 | 933 | 935 | | | | | | | |
| 15 | 921 | 918 | 910 | 905 | 901 | 902 | 918 | 911 | 908 | 905 | 911 | 915 | | | | | | | |
| 20 | 894 | 889 | 878 | 870 | 867 | 870 | 889 | 880 | 875 | 871 | 879 | 887 | | | | | | | |
| 25 | 858 | 853 | 838 | 828 | 825 | 832 | 853 | 843 | 834 | 830 | 840 | 853 | | | | | | | |
| 30 | 816 | 810 | 790 | 778 | 776 | 786 | 811 | 799 | 787 | 781 | 794 | 810 | | | | | | | |
| 35 | 768 | 761 | 736 | 722 | 721 | 735 | 762 | 748 | 734 | 726 | 743 | 762 | | | | | | | |
| 40 | 715 | 706 | 677 | 661 | 661 | 678 | 709 | 693 | 676 | 666 | 685 | 708 | | | | | | | |
| 45 | 657 | 646 | 613 | 595 | 596 | 618 | 652 | 634 | 614 | 602 | 623 | 650 | | | | | | | |
| 50 | 595 | 583 | 545 | 526 | 528 | 554 | 592 | 571 | 549 | 535 | 558 | 588 | | | | | | | |
| 55 | 533 | 517 | 476 | 454 | 459 | 489 | 528 | 507 | 479 | 465 | 488 | 523 | | | | | | | |
| 60 | 471 | 452 | 404 | 380 | 386 | 424 | 467 | 442 | 409 | 393 | 418 | 458 | | | | | | | |
| 65 | 410 | 388 | 332 | 304 | 314 | 361 | 408 | 381 | 339 | 321 | 347 | 395 | | | | | | | |
| 70 | 352 | 327 | 262 | 228 | 244 | 302 | 350 | 322 | 270 | 247 | 277 | 335 | | | | | | | |
| 75 | 295 | 270 | 197 | 153 | 180 | 246 | 294 | 265 | 206 | 173 | 210 | 276 | | | | | | | |
| 80 | 243 | 217 | 139 | 83.2 | 123 | 195 | 243 | 213 | 149 | 102 | 151 | 222 | | | | | | | |
| 85 | 195 | 169 | 92.4 | 27.0 | 78.0 | 149 | 197 | 166 | 100 | 42.3 | 101 | 175 | | | | | | | |
| 90 | 152 | 127 | 56.3 | 5.84 | 44.8 | 110 | 154 | 126 | 62.8 | 9.11 | 62.4 | 132 | | | | | | | |
| 95 | 114 | 90.8 | 31.3 | 6.67 | 23.3 | 77.0 | 116 | 91.1 | 36.2 | 8.38 | 35.3 | 95.9 | | | | | | | |
| 100 | 82.0 | 60.2 | 16.6 | 7.46 | 12.5 | 50.6 | 83.7 | 62.2 | 20.3 | 9.11 | 19.5 | 66.0 | | | | | | | |
| 105 | 55.4 | 38.0 | 10.5 | 8.43 | 9.01 | 31.3 | 57.2 | 40.0 | 12.7 | 9.95 | 12.3 | 42.7 | | | | | | | |
| 110 | 35.6 | 22.7 | 9.82 | 9.43 | 9.71 | 18.9 | 37.2 | 25.2 | 11.2 | 10.8 | 11.1 | 26.4 | | | | | | | |
| 115 | 22.1 | 15.0 | 10.8 | 10.4 | 10.7 | 12.9 | 23.5 | 16.6 | 12.1 | 11.7 | 12.0 | 17.1 | | | | | | | |
| 120 | 14.7 | 12.3 | 11.7 | 11.5 | 11.7 | 12.2 | 16.2 | 13.8 | 13.0 | 12.7 | 12.9 | 13.5 | | | | | | | |
| 125 | 13.4 | 13.2 | 12.7 | 12.5 | 12.7 | 13.2 | 14.8 | 14.6 | 13.9 | 13.6 | 13.7 | 14.2 | | | | | | | |
| 130 | 14.4 | 14.2 | 13.8 | 13.6 | 13.8 | 14.2 | 15.6 | 15.5 | 14.8 | 14.5 | 14.6 | 15.0 | | | | | | | |
| 135 | 15.3 | 15.1 | 14.7 | 14.6 | 14.8 | 15.2 | 16.4 | 16.3 | 15.7 | 15.5 | 15.4 | 15.8 | | | | | | | |
| 140 | 16.3 | 16.1 | 15.7 | 15.7 | 15.8 | 16.2 | 17.2 | 17.1 | 16.6 | 16.4 | 16.3 | 16.6 | | | | | | | |
| 145 | 17.1 | 17.1 | 16.7 | 16.7 | 16.8 | 17.0 | 17.9 | 17.8 | 17.4 | 17.3 | 17.2 | 17.4 | | | | | | | |
| 150 | 18.0 | 18.0 | 17.7 | 17.7 | 17.7 | 17.9 | 18.7 | 18.6 | 18.3 | 18.1 | 18.0 | 18.2 | | | | | | | |
| 155 | 18.9 | 18.9 | 18.6 | 18.6 | 18.6 | 18.7 | 19.4 | 19.3 | 19.1 | 19.0 | 18.8 | 18.9 | | | | | | | |
| 160 | 19.8 | 19.7 | 19.5 | 19.5 | 19.5 | 19.5 | 20.2 | 19.9 | 19.8 | 19.7 | 19.6 | 19.7 | | | | | | | |
| 165 | 20.7 | 20.5 | 20.3 | 20.3 | 20.3 | 20.3 | 20.9 | 20.6 | 20.5 | 20.4 | 20.3 | 20.4 | | | | | | | |
| 170 | 21.4 | 21.2 | 21.0 | 21.0 | 20.9 | 20.9 | 21.5 | 21.1 | 21.1 | 21.0 | 20.9 | 20.9 | | | | | | | |
| 175 | 21.8 | 21.6 | 21.4 | 21.4 | 21.3 | 21.3 | 21.8 | 21.4 | 21.4 | 21.3 | 21.2 | 21.2 | | | | | | | |
| 180 | 21.9 | 21.7 | 21.5 | 21.5 | 21.4 | 21.4 | 22.0 | 21.6 | 21.6 | 21.5 | 21.4 | 21.4 | | | | | | | |

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2018-01-13

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.267
Humidity:65.0%
Test Distance:8.000m [K=0.7063]
Remarks: