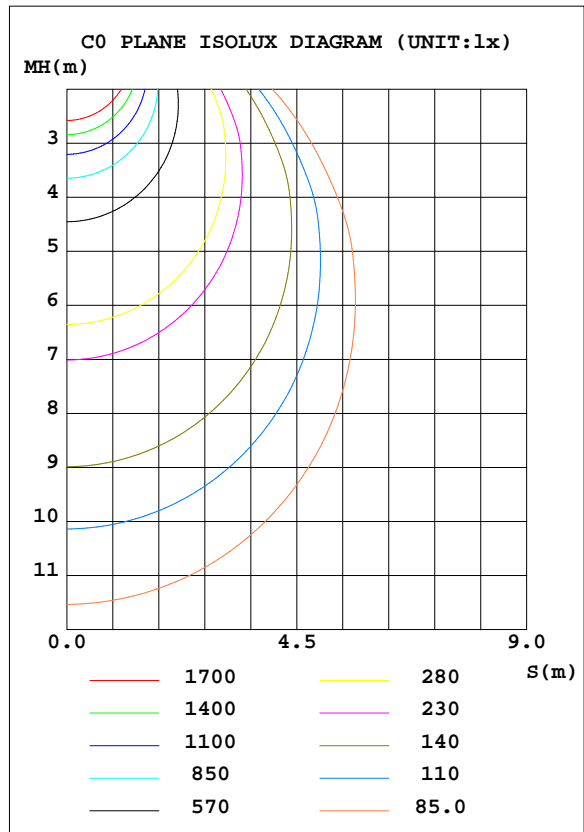
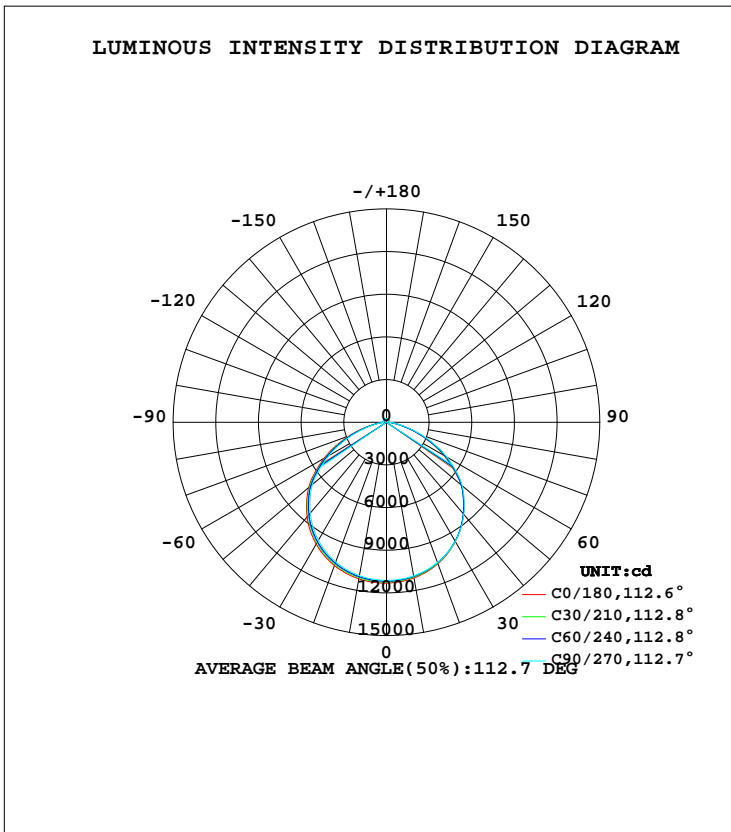


LUMINAIRE PHOTOMETRIC TEST REPORT

| | | |
|--|--------|-------------------|
| Test:U:229.8V I:1.075A P:242.0W PF:0.9790 Lamp Flux:32717.8x1 lm | | |
| NAME: HB350-240W | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: | SUR.: | PROTECTION ANGLE: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 135.20 lm/W | | | |
|------------------|------------|-----------------------------------|--------|--------------------|-----------|
| MODEL | HB350-240W | I _{max} (cd) | 11308 | S/MH(C0/180) | 1.27 |
| NOMINAL POWER(W) | 240 | LOR(%) | 100.0 | S/MH(C90/270) | 1.29 |
| RATED VOLTAGE(V) | 230 | TOTAL FLUX(lm) | 32718 | h UP, DN(C0-180) | 1.9, 48.1 |
| NOMINAL FLUX(lm) | 32717.8 | CIE CLASS | DIRECT | h UP, DN(C180-360) | 2.2, 47.8 |
| LAMPS INSIDE | 1 | h up(%) | 4.1 | CIBSE SHR NOM | 1.25 |
| TEST VOLTAGE(V) | 229.7 | h down(%) | 95.9 | CIBSE SHR MAX | 1.35 |



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2015-06-13

gg Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.267
 Humidity:65.0%
 Test Distance:8.250m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

| g | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | g | F zone | F total | %lum,lamp |
|-----|--------------------------|-------|-------|-------|-------|-------|-------|-------|---------|--------|---------|-----------|
| 10 | 1112 | 1103 | 1097 | 1091 | 1118 | 1106 | 1095 | 1087 | 0- 10 | 1057 | 1057 | 3.23,3.23 |
| 20 | 1058 | 1053 | 1050 | 1045 | 1072 | 1058 | 1044 | 1036 | 10- 20 | 3048 | 4106 | 12.5,12.5 |
| 30 | 969.0 | 966.6 | 967.2 | 963.8 | 988.9 | 974.0 | 957.8 | 948.6 | 20- 30 | 4669 | 8774 | 26.8,26.8 |
| 40 | 841.4 | 842.1 | 846.6 | 845.0 | 868.4 | 852.3 | 834.2 | 824.2 | 30- 40 | 5685 | 14459 | 44.2,44.2 |
| 50 | 685.5 | 687.7 | 695.5 | 694.3 | 715.0 | 698.7 | 679.9 | 669.9 | 40- 50 | 5935 | 20395 | 62.3,62.3 |
| 60 | 467.1 | 477.0 | 491.5 | 494.0 | 506.7 | 487.9 | 466.1 | 457.5 | 50- 60 | 5242 | 25637 | 78.4,78.4 |
| 70 | 241.4 | 251.9 | 268.1 | 273.4 | 278.8 | 262.4 | 242.8 | 236.6 | 60- 70 | 3632 | 29269 | 89.5,89.5 |
| 80 | 70.78 | 76.31 | 85.99 | 89.12 | 91.05 | 82.27 | 73.02 | 69.48 | 70- 80 | 1685 | 30954 | 94.6,94.6 |
| 90 | 20.60 | 19.51 | 19.21 | 19.12 | 20.84 | 20.46 | 21.27 | 21.77 | 80- 90 | 431.0 | 31385 | 95.9,95.9 |
| 100 | 20.61 | 20.45 | 20.74 | 20.81 | 23.62 | 23.32 | 23.04 | 22.74 | 90-100 | 244.0 | 31629 | 96.7,96.7 |
| 110 | 18.22 | 17.75 | 17.59 | 17.61 | 21.29 | 21.17 | 21.11 | 21.04 | 100-110 | 216.8 | 31845 | 97.3,97.3 |
| 120 | 17.72 | 17.25 | 16.77 | 16.52 | 20.71 | 20.83 | 21.13 | 21.00 | 110-120 | 189.4 | 32035 | 97.9,97.9 |
| 130 | 21.55 | 19.73 | 19.34 | 19.88 | 24.54 | 24.12 | 25.00 | 26.29 | 120-130 | 190.5 | 32225 | 98.5,98.5 |
| 140 | 19.09 | 18.91 | 18.56 | 18.38 | 22.69 | 22.76 | 22.58 | 22.24 | 130-140 | 163.3 | 32389 | 99,99 |
| 150 | 20.80 | 20.51 | 20.24 | 20.04 | 23.74 | 23.59 | 23.54 | 23.32 | 140-150 | 133.3 | 32522 | 99.4,99.4 |
| 160 | 22.63 | 22.38 | 22.15 | 21.94 | 24.78 | 24.57 | 24.45 | 24.24 | 150-160 | 104.7 | 32627 | 99.7,99.7 |
| 170 | 24.24 | 24.04 | 23.84 | 23.56 | 25.37 | 25.10 | 24.94 | 24.75 | 160-170 | 67.68 | 32694 | 99.9,99.9 |
| 180 | 25.29 | 25.14 | 24.90 | 24.70 | 25.40 | 25.12 | 24.81 | 24.69 | 170-180 | 23.56 | 32718 | 100,100 |
| DEG | LUMINOUS INTENSITY:×10cd | | | | | | | | UNIT:lm | | | |

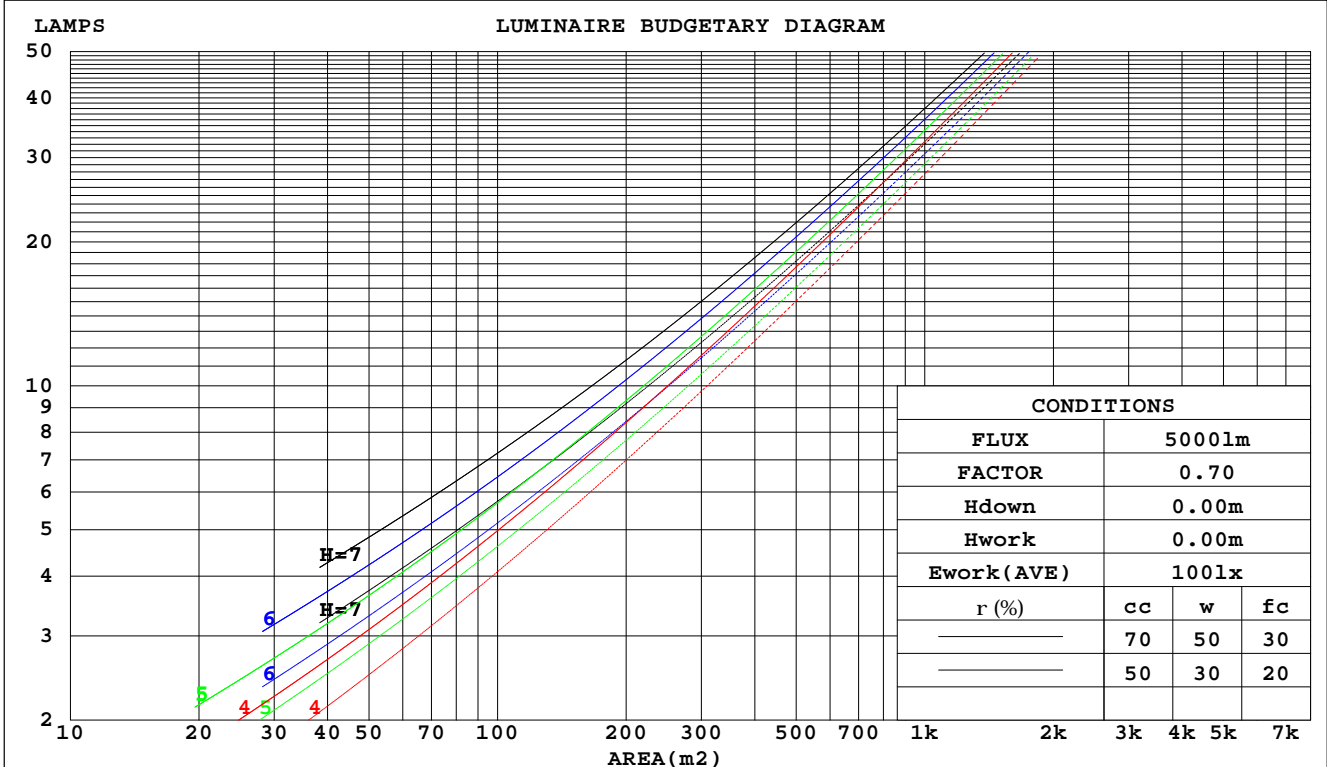
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2015-06-13

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.267
 Humidity:65.0%
 Test Distance:8.250m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|--|--------|-------------------|
| Test:U:229.8V I:1.075A P:242.0W PF:0.9790 Lamp Flux:32717.8x1 lm | | |
| NAME: HB350-240W | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: | SUR.: | PROTECTION ANGLE: |

| | | | | | | | | | | | | | | | | |
|-----------------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|-----|-----|-----|-----|
| rcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
| r _w | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| r _{fc} | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Coefficients of Utilization(CU) | | | | | | | | | |
| 0.0 | 1.18 | 1.18 | 1.18 | 1.15 | 1.15 | 1.15 | 1.09 | 1.09 | 1.09 | 1.03 | 1.03 | 1.03 | .98 | .98 | .98 | .96 |
| 1.0 | 1.04 | .90 | .96 | 1.01 | .97 | .94 | .96 | .93 | .90 | .92 | .89 | .87 | .87 | .85 | .84 | .81 |
| 2.0 | .91 | .84 | .79 | .89 | .82 | .77 | .84 | .79 | .75 | .80 | .76 | .73 | .77 | .74 | .70 | .68 |
| 3.0 | .80 | .72 | .66 | .78 | .71 | .65 | .74 | .68 | .63 | .71 | .66 | .61 | .68 | .64 | .60 | .58 |
| 4.0 | .71 | .62 | .56 | .69 | .61 | .55 | .66 | .59 | .54 | .63 | .57 | .53 | .61 | .56 | .52 | .49 |
| 5.0 | .63 | .54 | .48 | .62 | .54 | .47 | .59 | .52 | .47 | .57 | .51 | .46 | .55 | .49 | .45 | .43 |
| 6.0 | .57 | .48 | .42 | .56 | .47 | .41 | .53 | .46 | .41 | .51 | .45 | .40 | .50 | .44 | .39 | .37 |
| 7.0 | .52 | .43 | .37 | .51 | .42 | .37 | .49 | .41 | .36 | .47 | .40 | .35 | .45 | .39 | .35 | .33 |
| 8.0 | .47 | .39 | .33 | .46 | .38 | .33 | .44 | .37 | .32 | .43 | .36 | .32 | .41 | .36 | .31 | .29 |
| 9.0 | .43 | .35 | .29 | .42 | .35 | .29 | .41 | .34 | .29 | .39 | .33 | .29 | .38 | .32 | .28 | .26 |
| 10.0 | .40 | .32 | .27 | .39 | .32 | .26 | .38 | .31 | .26 | .37 | .30 | .26 | .35 | .30 | .26 | .24 |



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2015-06-13

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.267
 Humidity:65.0%
 Test Distance:8.250m [K=1.0000]
 Remarks:

WEC AND CCEC

| | | |
|--|--------|-------------------|
| Test:U:229.8V I:1.075A P:242.0W PF:0.9790 Lamp Flux:32717.8x1 lm | | |
| NAME: HB350-240W | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: | SUR.: | PROTECTION ANGLE: |

| rcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|---|
| rw | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| rfc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Wall Exitance Coefficients(WEC) | | | | | | | | | |
| 0.0 | | | | | | | | | | | | | | | | |
| 1.0 | .294 | .167 | .053 | .285 | .163 | .052 | .270 | .155 | .049 | .256 | .147 | .047 | .242 | .141 | .045 | |
| 2.0 | .279 | .153 | .047 | .272 | .150 | .046 | .258 | .144 | .045 | .246 | .138 | .043 | .234 | .132 | .042 | |
| 3.0 | .261 | .139 | .042 | .254 | .136 | .041 | .242 | .131 | .040 | .231 | .126 | .039 | .220 | .122 | .038 | |
| 4.0 | .242 | .126 | .037 | .236 | .124 | .037 | .225 | .119 | .036 | .215 | .116 | .035 | .206 | .112 | .034 | |
| 5.0 | .225 | .115 | .033 | .220 | .113 | .033 | .210 | .109 | .032 | .201 | .106 | .031 | .192 | .103 | .031 | |
| 6.0 | .209 | .105 | .030 | .204 | .103 | .030 | .196 | .100 | .029 | .187 | .097 | .029 | .180 | .095 | .028 | |
| 7.0 | .195 | .096 | .027 | .191 | .095 | .027 | .183 | .093 | .027 | .176 | .090 | .026 | .169 | .088 | .026 | |
| 8.0 | .183 | .089 | .025 | .179 | .088 | .025 | .172 | .086 | .024 | .165 | .084 | .024 | .159 | .081 | .024 | |
| 9.0 | .171 | .083 | .023 | .168 | .082 | .023 | .161 | .080 | .023 | .155 | .078 | .022 | .150 | .076 | .022 | |
| 10.0 | .161 | .077 | .021 | .158 | .076 | .021 | .152 | .075 | .021 | .147 | .073 | .021 | .141 | .071 | .020 | |

| rcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|------|-----------------------|------|------|------|------|------|--|------|------|------|------|------|------|------|------|---|
| rw | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| rfc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Ceiling Cavity Exitance Coefficients(CCEC) | | | | | | | | | |
| 0.0 | .222 | .222 | .222 | .189 | .189 | .189 | .129 | .129 | .129 | .074 | .074 | .074 | .024 | .024 | .024 | |
| 1.0 | .210 | .188 | .167 | .180 | .161 | .144 | .123 | .111 | .099 | .071 | .064 | .058 | .023 | .021 | .019 | |
| 2.0 | .202 | .163 | .131 | .173 | .141 | .113 | .119 | .097 | .079 | .068 | .057 | .046 | .022 | .018 | .015 | |
| 3.0 | .194 | .146 | .107 | .167 | .126 | .093 | .114 | .087 | .065 | .066 | .051 | .038 | .021 | .017 | .013 | |
| 4.0 | .187 | .133 | .091 | .160 | .115 | .079 | .110 | .080 | .056 | .064 | .047 | .033 | .021 | .015 | .011 | |
| 5.0 | .180 | .122 | .080 | .154 | .106 | .070 | .106 | .074 | .049 | .062 | .043 | .029 | .020 | .014 | .010 | |
| 6.0 | .173 | .114 | .072 | .148 | .099 | .063 | .102 | .069 | .044 | .059 | .041 | .026 | .019 | .013 | .009 | |
| 7.0 | .166 | .107 | .066 | .143 | .093 | .057 | .099 | .065 | .041 | .057 | .038 | .024 | .019 | .013 | .008 | |
| 8.0 | .160 | .101 | .061 | .138 | .088 | .053 | .095 | .062 | .038 | .055 | .036 | .023 | .018 | .012 | .007 | |
| 9.0 | .154 | .097 | .058 | .133 | .084 | .050 | .092 | .059 | .036 | .054 | .035 | .021 | .017 | .011 | .007 | |
| 10.0 | .148 | .092 | .055 | .128 | .080 | .048 | .089 | .056 | .034 | .052 | .033 | .020 | .017 | .011 | .007 | |

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2015-06-13

gg Range: 0 - 180DEG
 gg Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.267
 Humidity:65.0%
 Test Distance:8.250m [K=1.0000]
 Remarks:

Uncorrected UGR Table

| | | | | | | | | | | |
|--|--|--|--|--|--------|--|--|-------------------|--|--|
| Test:U:229.8V I:1.075A P:242.0W PF:0.9790 Lamp Flux:32717.8x1 lm | | | | | | | | | | |
| NAME: HB350-240W | | | | | TYPE: | | | WEIGHT: | | |
| DIM.: | | | | | SPEC.: | | | SERIAL No.: | | |
| MFR.: | | | | | SUR.: | | | PROTECTION ANGLE: | | |

| | | | | | | | | | | |
|--|------------------|------|------|------|------|----------------|------|------|------|------|
| 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 | 28.7 | 30.1 | 29.0 | 30.4 | 30.7 | 28.8 | 30.2 | 29.1 | 30.5 | 30.8 |
| 3H | 29.8 | 31.1 | 30.1 | 31.4 | 31.7 | 30.0 | 31.3 | 30.3 | 31.6 | 31.9 |
| 4H | 30.1 | 31.3 | 30.4 | 31.6 | 32.0 | 30.4 | 31.6 | 30.7 | 31.9 | 32.3 |
| 6H | 30.2 | 31.4 | 30.6 | 31.7 | 32.1 | 30.5 | 31.7 | 30.9 | 32.1 | 32.4 |
| 8H | 30.2 | 31.3 | 30.6 | 31.7 | 32.1 | 30.6 | 31.7 | 31.0 | 32.1 | 32.4 |
| 12H | 30.2 | 31.3 | 30.6 | 31.7 | 32.0 | 30.6 | 31.7 | 31.0 | 32.1 | 32.4 |
| 4H 2H | 29.2 | 30.4 | 29.5 | 30.7 | 31.1 | 29.3 | 30.5 | 29.6 | 30.8 | 31.2 |
| 3H | 30.4 | 31.5 | 30.8 | 31.9 | 32.2 | 30.6 | 31.7 | 31.0 | 32.0 | 32.4 |
| 4H | 30.8 | 31.8 | 31.2 | 32.2 | 32.6 | 31.1 | 32.0 | 31.5 | 32.4 | 32.8 |
| 6H | 31.0 | 31.9 | 31.5 | 32.3 | 32.8 | 31.3 | 32.2 | 31.8 | 32.6 | 33.1 |
| 8H | 31.1 | 31.9 | 31.5 | 32.3 | 32.8 | 31.4 | 32.2 | 31.9 | 32.6 | 33.1 |
| 12H | 31.1 | 31.8 | 31.6 | 32.3 | 32.8 | 31.4 | 32.2 | 31.9 | 32.6 | 33.1 |
| 8H 4H | 30.9 | 31.7 | 31.4 | 32.2 | 32.6 | 31.2 | 32.0 | 31.6 | 32.4 | 32.9 |
| 6H | 31.2 | 31.9 | 31.7 | 32.4 | 32.9 | 31.5 | 32.2 | 32.0 | 32.7 | 33.2 |
| 8H | 31.3 | 31.9 | 31.8 | 32.4 | 32.9 | 31.6 | 32.2 | 32.2 | 32.7 | 33.3 |
| 12H | 31.4 | 31.9 | 31.9 | 32.4 | 33.0 | 31.7 | 32.2 | 32.3 | 32.8 | 33.3 |
| 12H 4H | 30.9 | 31.6 | 31.4 | 32.1 | 32.6 | 31.1 | 31.9 | 31.6 | 32.3 | 32.8 |
| 6H | 31.2 | 31.8 | 31.7 | 32.3 | 32.9 | 31.5 | 32.1 | 32.0 | 32.6 | 33.1 |
| 8H | 31.3 | 31.9 | 31.9 | 32.4 | 32.9 | 31.7 | 32.2 | 32.2 | 32.7 | 33.2 |
| Variations with the observer position at spacings: | | | | | | | | | | |
| S = 1.0H | + 0.2 / - 0.3 | | | | | + 0.2 / - 0.3 | | | | |
| 1.5H | + 0.2 / - 0.5 | | | | | + 0.2 / - 0.4 | | | | |
| 2.0H | + 0.4 / - 0.4 | | | | | + 0.4 / - 0.4 | | | | |

CIE Pub.117 Corrected 32718 lm Total Lamp Luminous Flux.(8log(F/F0) = 12.1)

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2015-06-13

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.267
 Humidity:65.0%
 Test Distance:8.250m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

| | | |
|--|--------|-------------------|
| Test:U:229.8V I:1.075A P:242.0W PF:0.9790 Lamp Flux:32717.8x1 lm | | |
| NAME: HB350-240W | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: | SUR.: | PROTECTION ANGLE: |

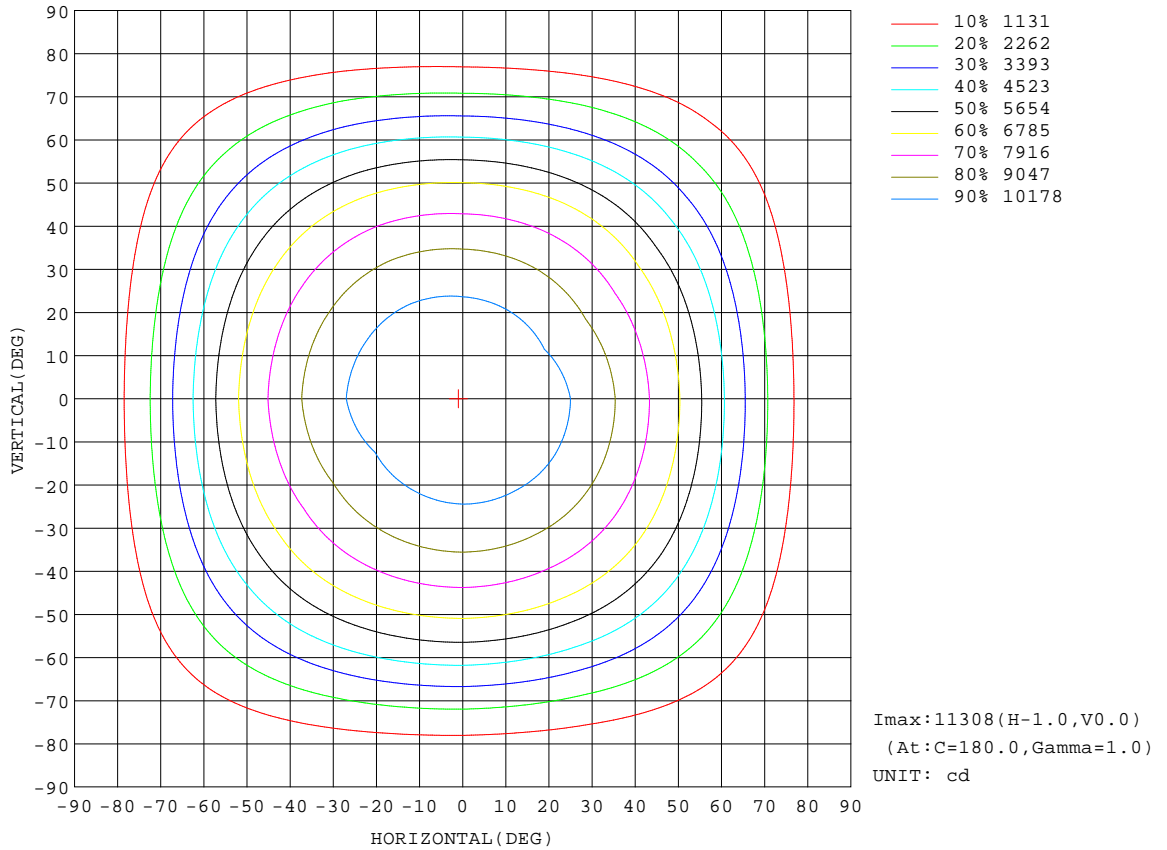
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|---|-----|-----------|-----|-----|-----|---------------|-----|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 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 | 57 | 45 | 38 | 56 | 45 | 38 | 55 | 44 | 38 | 32 |
| 0.80 | 67 | 56 | 48 | 66 | 55 | 48 | 64 | 54 | 48 | 41 |
| 1.00 | 76 | 65 | 57 | 74 | 64 | 57 | 72 | 65 | 56 | 49 |
| 1.25 | 83 | 72 | 65 | 81 | 72 | 65 | 78 | 70 | 64 | 56 |
| 1.50 | 88 | 78 | 71 | 86 | 77 | 71 | 83 | 75 | 69 | 61 |
| 2.00 | 95 | 86 | 80 | 93 | 85 | 79 | 89 | 82 | 77 | 69 |
| 2.50 | 98 | 91 | 85 | 96 | 89 | 84 | 92 | 86 | 81 | 73 |
| 3.00 | 102 | 95 | 90 | 99 | 93 | 88 | 95 | 90 | 86 | 76 |
| 4.00 | 106 | 100 | 96 | 103 | 98 | 94 | 98 | 94 | 91 | 81 |
| 5.00 | 108 | 103 | 99 | 105 | 101 | 97 | 100 | 97 | 94 | 83 |
| 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:2015-06-13

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.267
 Humidity:65.0%
 Test Distance:8.250m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

| | | |
|--|--------|-------------------|
| Test:U:229.8V I:1.075A P:242.0W PF:0.9790 Lamp Flux:32717.8x1 lm | | |
| NAME: HB350-240W | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: | SUR.: | PROTECTION ANGLE: |



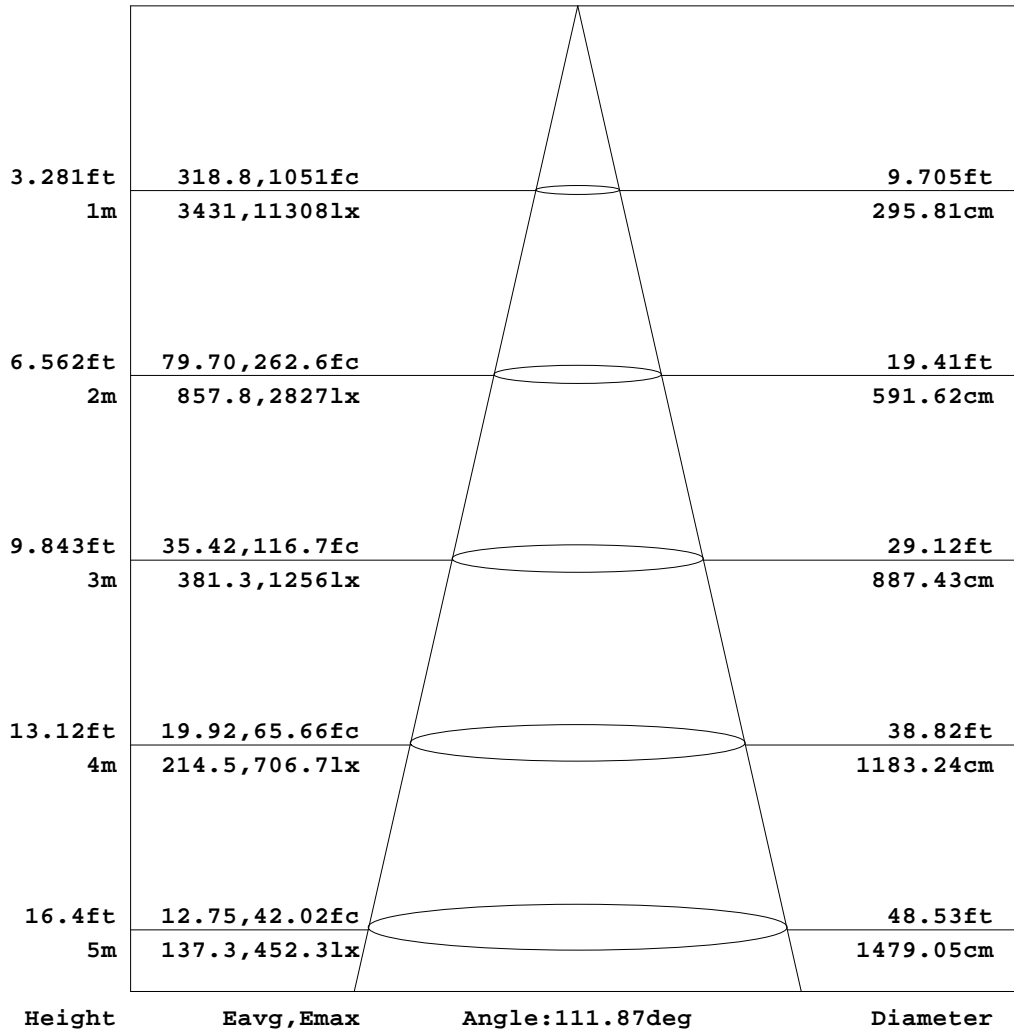
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2015-06-13

g g Range: 0 - 180DEG
 g g Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.267
 Humidity:65.0%
 Test Distance:8.250m [K=1.0000]
 Remarks:

AAI Figure

| | | |
|--|--------|-------------------|
| Test:U:229.8V I:1.075A P:242.0W PF:0.9790 Lamp Flux:32717.8x1 lm | | |
| NAME: HB350-240W | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: | SUR.: | PROTECTION ANGLE: |

Flux out:23694 lm



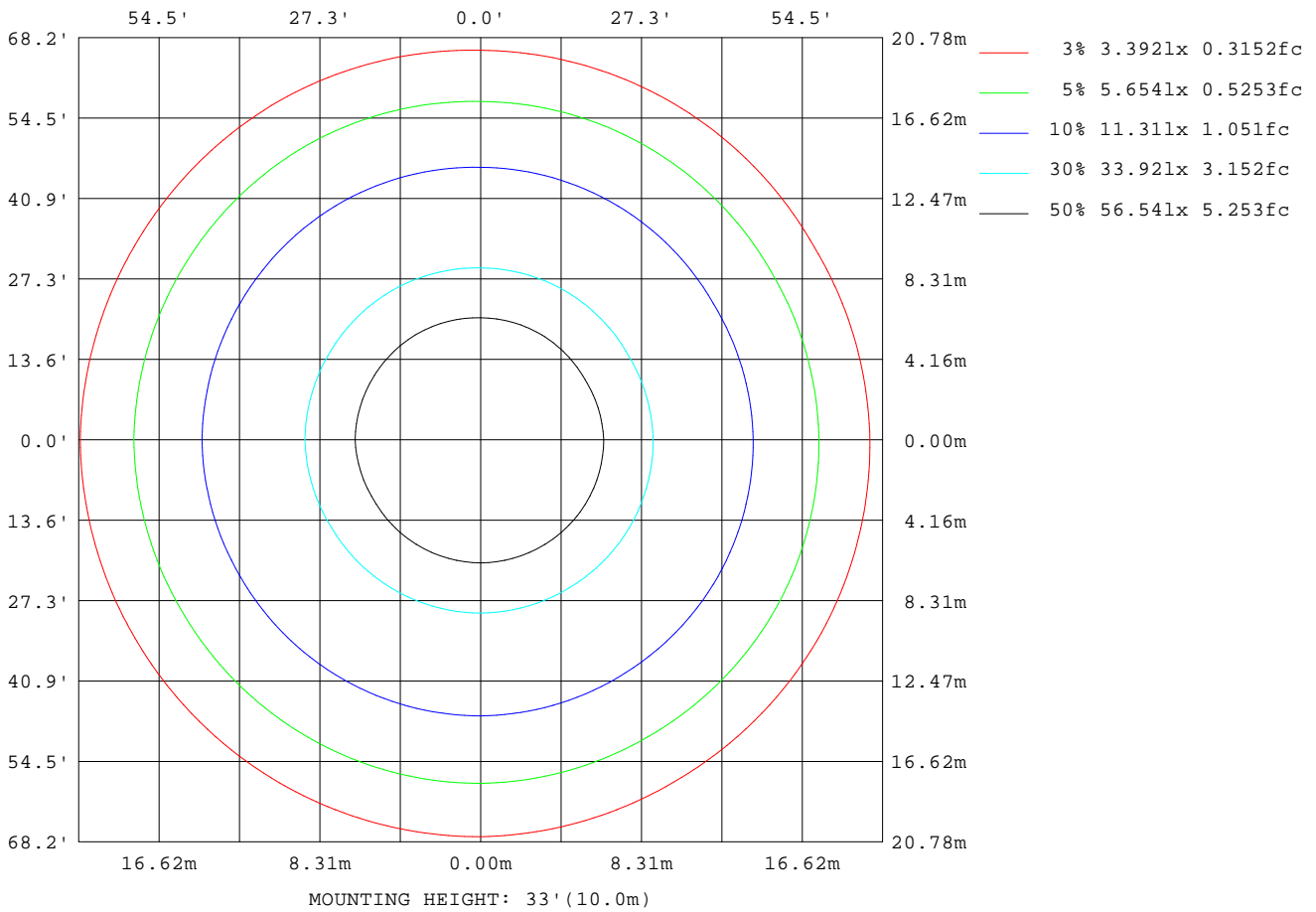
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2015-06-13

gg Range: 0 - 180DEG
 gg Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.267
 Humidity:65.0%
 Test Distance:8.250m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

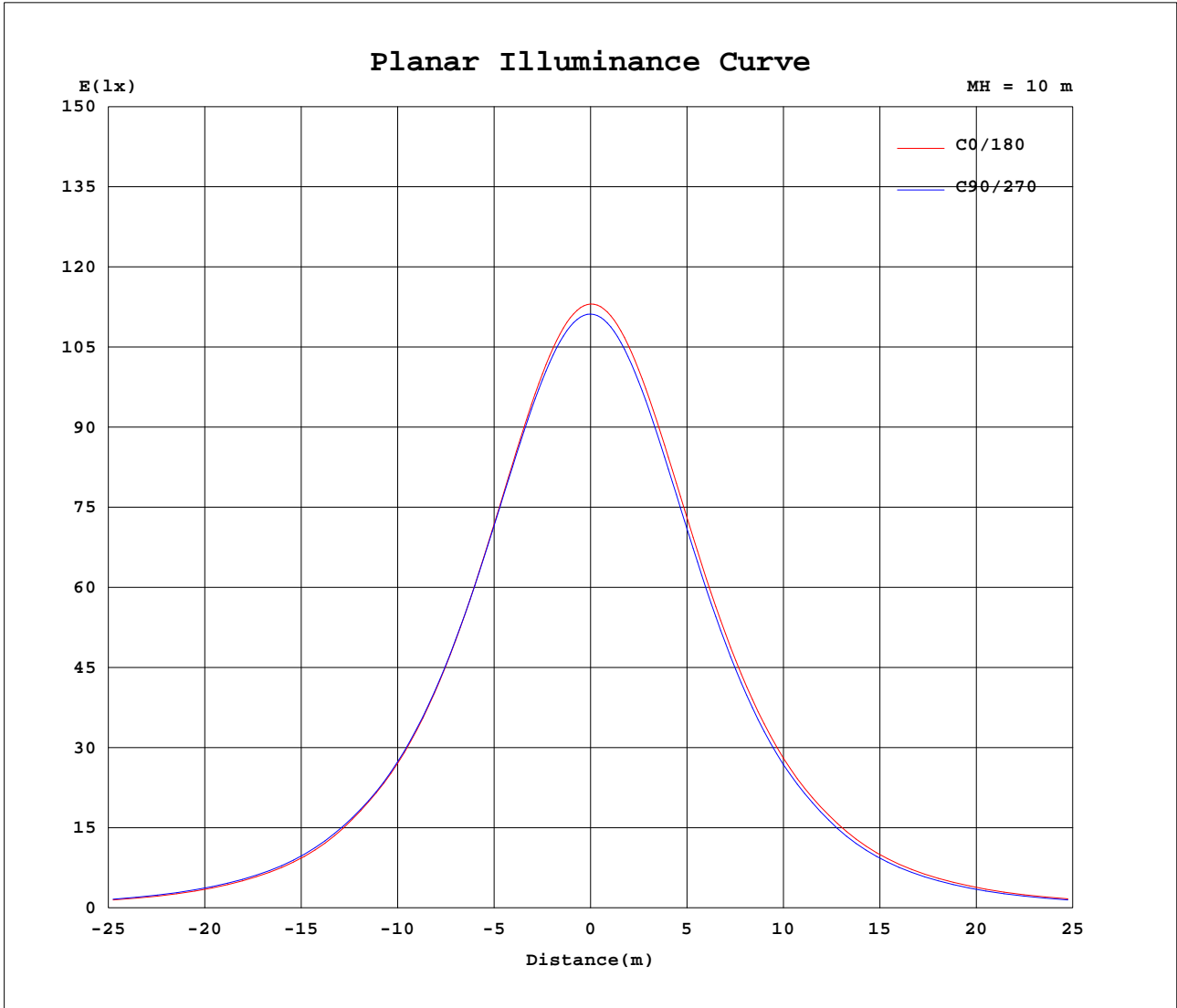
| | | |
|--|--------|-------------------|
| Test:U:229.8V I:1.075A P:242.0W PF:0.9790 Lamp Flux:32717.8x1 lm | | |
| NAME: HB350-240W | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: | SUR.: | PROTECTION ANGLE: |



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2015-06-13

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.267
 Humidity:65.0%
 Test Distance:8.250m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2015-06-13

Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.267
 Humidity: 65.0%
 Test Distance: 8.250m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|--|--------|-------------------|
| Test:U:229.8V I:1.075A P:242.0W PF:0.9790 Lamp Flux:32717.8x1 lm | | |
| NAME: HB350-240W | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: | SUR.: | PROTECTION ANGLE: |

Table--1

UNIT: ×10cd

| C(DEG) g (DEG) | 0 | 30 | 60 | 90 | 120 | 150 | 180 | 210 | 240 | 270 | 300 | 330 | | | | | | | |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|--|--|--|--|--|
| 0 | 1131 | 1124 | 1117 | 1112 | 1107 | 1102 | 1131 | 1124 | 1117 | 1112 | 1107 | 1102 | | | | | | | |
| 5 | 1125 | 1119 | 1113 | 1108 | 1104 | 1100 | 1128 | 1121 | 1114 | 1108 | 1102 | 1097 | | | | | | | |
| 10 | 1112 | 1106 | 1101 | 1097 | 1093 | 1089 | 1118 | 1109 | 1103 | 1095 | 1090 | 1084 | | | | | | | |
| 15 | 1090 | 1085 | 1080 | 1078 | 1074 | 1070 | 1099 | 1090 | 1083 | 1074 | 1068 | 1063 | | | | | | | |
| 20 | 1058 | 1055 | 1051 | 1050 | 1046 | 1043 | 1072 | 1062 | 1054 | 1044 | 1039 | 1033 | | | | | | | |
| 25 | 1018 | 1016 | 1013 | 1013 | 1010 | 1008 | 1035 | 1025 | 1017 | 1006 | 1000 | 994 | | | | | | | |
| 30 | 969 | 968 | 965 | 967 | 965 | 963 | 989 | 978 | 970 | 958 | 952 | 945 | | | | | | | |
| 35 | 909 | 910 | 909 | 912 | 910 | 908 | 934 | 921 | 914 | 901 | 895 | 887 | | | | | | | |
| 40 | 841 | 843 | 842 | 847 | 845 | 845 | 868 | 856 | 849 | 834 | 828 | 821 | | | | | | | |
| 45 | 765 | 768 | 767 | 774 | 772 | 773 | 794 | 781 | 774 | 759 | 755 | 748 | | | | | | | |
| 50 | 686 | 688 | 688 | 695 | 693 | 696 | 715 | 703 | 695 | 680 | 675 | 665 | | | | | | | |
| 55 | 574 | 584 | 587 | 597 | 598 | 600 | 614 | 600 | 591 | 573 | 565 | 557 | | | | | | | |
| 60 | 467 | 475 | 479 | 492 | 493 | 495 | 507 | 492 | 483 | 466 | 460 | 455 | | | | | | | |
| 65 | 350 | 360 | 365 | 378 | 383 | 386 | 392 | 379 | 369 | 351 | 345 | 339 | | | | | | | |
| 70 | 241 | 251 | 253 | 268 | 271 | 276 | 279 | 265 | 260 | 243 | 240 | 233 | | | | | | | |
| 75 | 142 | 150 | 153 | 166 | 168 | 174 | 175 | 162 | 157 | 144 | 141 | 133 | | | | | | | |
| 80 | 70.8 | 75.0 | 77.6 | 86.0 | 88.0 | 90.2 | 91.1 | 84.6 | 79.9 | 73.0 | 70.5 | 68.4 | | | | | | | |
| 85 | 28.5 | 30.7 | 32.6 | 37.4 | 38.6 | 39.7 | 40.6 | 37.1 | 35.0 | 31.1 | 29.8 | 28.2 | | | | | | | |
| 90 | 20.6 | 19.8 | 19.2 | 19.2 | 19.2 | 19.0 | 20.8 | 20.5 | 20.5 | 21.3 | 21.6 | 21.9 | | | | | | | |
| 95 | 22.3 | 22.2 | 22.1 | 22.2 | 22.0 | 21.8 | 24.1 | 24.1 | 24.2 | 24.2 | 24.1 | 23.8 | | | | | | | |
| 100 | 20.6 | 20.5 | 20.4 | 20.7 | 20.8 | 20.8 | 23.6 | 23.4 | 23.3 | 23.0 | 22.9 | 22.6 | | | | | | | |
| 105 | 19.0 | 19.0 | 18.7 | 18.8 | 18.8 | 19.0 | 22.2 | 22.2 | 22.0 | 21.9 | 21.7 | 21.5 | | | | | | | |
| 110 | 18.2 | 17.9 | 17.6 | 17.6 | 17.6 | 17.6 | 21.3 | 21.2 | 21.2 | 21.1 | 21.2 | 20.9 | | | | | | | |
| 115 | 17.8 | 17.4 | 17.1 | 16.9 | 16.9 | 17.0 | 21.0 | 20.8 | 21.0 | 21.0 | 21.1 | 20.9 | | | | | | | |
| 120 | 17.7 | 17.5 | 17.0 | 16.8 | 16.5 | 16.5 | 20.7 | 20.7 | 20.9 | 21.1 | 21.1 | 20.9 | | | | | | | |
| 125 | 21.1 | 20.4 | 19.3 | 18.9 | 18.6 | 18.5 | 22.9 | 23.5 | 23.4 | 23.7 | 23.8 | 24.2 | | | | | | | |
| 130 | 21.6 | 20.1 | 19.4 | 19.3 | 19.6 | 20.1 | 24.5 | 24.1 | 24.2 | 25.0 | 26.1 | 26.5 | | | | | | | |
| 135 | 19.0 | 19.1 | 18.7 | 18.5 | 18.2 | 18.3 | 23.0 | 23.1 | 23.3 | 23.0 | 22.7 | 22.0 | | | | | | | |
| 140 | 19.1 | 19.0 | 18.8 | 18.6 | 18.4 | 18.4 | 22.7 | 22.7 | 22.8 | 22.6 | 22.4 | 22.1 | | | | | | | |
| 145 | 19.9 | 19.7 | 19.5 | 19.3 | 19.2 | 19.1 | 23.2 | 23.0 | 23.1 | 23.0 | 22.9 | 22.7 | | | | | | | |
| 150 | 20.8 | 20.6 | 20.4 | 20.2 | 20.1 | 20.0 | 23.7 | 23.5 | 23.7 | 23.5 | 23.4 | 23.2 | | | | | | | |
| 155 | 21.7 | 21.6 | 21.3 | 21.2 | 21.0 | 20.9 | 24.3 | 24.1 | 24.2 | 24.0 | 23.9 | 23.7 | | | | | | | |
| 160 | 22.6 | 22.5 | 22.3 | 22.1 | 22.0 | 21.9 | 24.8 | 24.5 | 24.6 | 24.4 | 24.4 | 24.1 | | | | | | | |
| 165 | 23.5 | 23.4 | 23.2 | 23.1 | 22.8 | 22.8 | 25.1 | 24.9 | 24.9 | 24.7 | 24.7 | 24.4 | | | | | | | |
| 170 | 24.2 | 24.2 | 23.9 | 23.8 | 23.6 | 23.5 | 25.4 | 25.1 | 25.1 | 24.9 | 24.9 | 24.6 | | | | | | | |
| 175 | 24.9 | 24.8 | 24.6 | 24.5 | 24.2 | 24.2 | 25.5 | 25.3 | 25.2 | 25.0 | 25.0 | 24.7 | | | | | | | |
| 180 | 25.3 | 25.3 | 25.0 | 24.9 | 24.7 | 24.7 | 25.4 | 25.1 | 25.1 | 24.8 | 24.8 | 24.6 | | | | | | | |

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2015-06-13

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.267
 Humidity:65.0%
 Test Distance:8.250m [K=1.0000]
 Remarks: