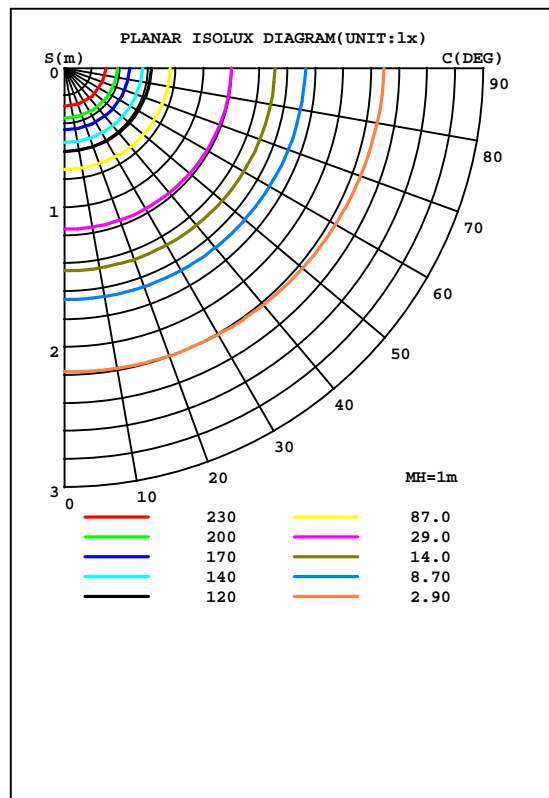
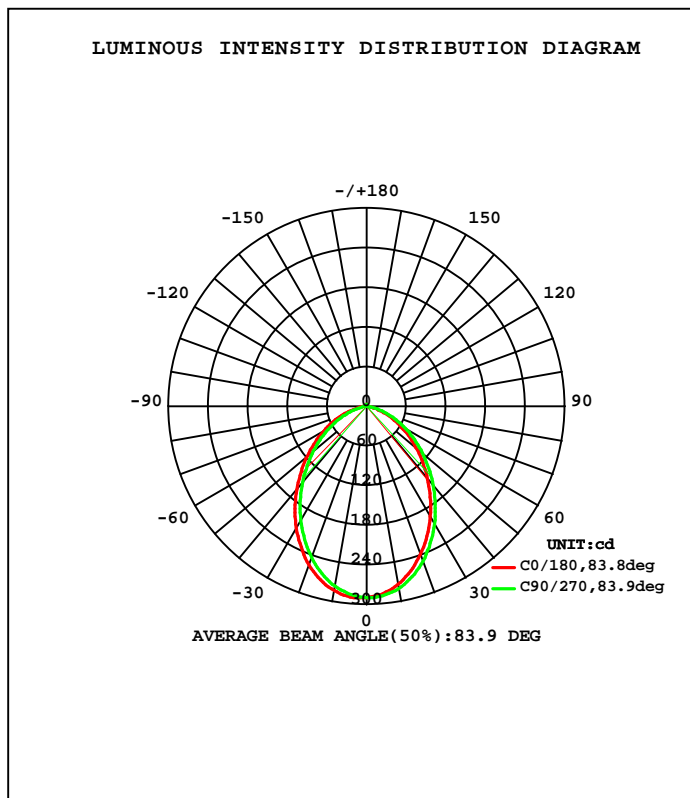


LUMINAIRE PHOTOMETRIC TEST REPORT

| | | |
|-------------------------------------------------------------------|-------|-------------------|
| Test:U:240.4V I:0.0371A P:8.318W PF:0.9334 Lamp Flux:570.616x1 lm | | |
| NAME: R770BC-8.5W-3000K | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.:1 |
| MFR.: AXG | SUR.: | PROTECTION ANGLE: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 68.60 lm/W | | | |
|------------------|---------|----------------------------------|--------|--------------------|-----------|
| MODEL | | I _{max} (cd) | 290.5 | S/MH(C0/180) | 1.03 |
| NOMINAL POWER(W) | 8 | LOR(%) | 100.0 | S/MH(C90/270) | 1.09 |
| RATED VOLTAGE(V) | 240 | TOTAL FLUX(lm) | 570.62 | h UP, DN(C0-180) | 0.8, 48.9 |
| NOMINAL FLUX(lm) | 570.616 | CIE CLASS | DIRECT | h UP, DN(C180-360) | 0.8, 49.5 |
| LAMPS INSIDE | 1 | h up(%) | 1.6 | CIBSE SHR NOM | 1.00 |
| TEST VOLTAGE(V) | 240.4 | h down(%) | 98.4 | CIBSE SHR MAX | 1.15 |



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:03
 Test Date:2019-11-09

Angle Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.281
 Humidity:60.0%
 Test Distance:12.200m [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 | 274.1 | 276.9 | 280.4 | 283.4 | 283.4 | 280.4 | 276.6 | 273.0 | 0- 10 | 27.12 | 27.12 | 4.75,4.75 |
| 20 | 238.9 | 243.4 | 249.7 | 255.9 | 255.7 | 250.8 | 244.0 | 237.7 | 10- 20 | 74.40 | 101.5 | 17.8,17.8 |
| 30 | 192.9 | 198.3 | 205.9 | 213.8 | 213.3 | 207.6 | 199.5 | 191.9 | 20- 30 | 103.8 | 205.3 | 36,36 |
| 40 | 144.1 | 149.5 | 157.3 | 165.3 | 165.0 | 159.2 | 151.2 | 143.3 | 30- 40 | 111.6 | 317.0 | 55.5,55.5 |
| 50 | 98.40 | 103.3 | 110.5 | 117.8 | 117.4 | 112.4 | 105.2 | 97.94 | 40- 50 | 100.8 | 417.7 | 73.2,73.2 |
| 60 | 58.25 | 62.48 | 68.73 | 75.03 | 74.77 | 70.63 | 64.44 | 58.06 | 50- 60 | 77.43 | 495.1 | 86.8,86.8 |
| 70 | 24.88 | 28.06 | 32.22 | 38.31 | 38.33 | 35.11 | 30.03 | 24.80 | 60- 70 | 47.89 | 543.0 | 95.2,95.2 |
| 80 | 1.881 | 1.558 | 1.434 | 5.226 | 10.09 | 6.592 | 2.478 | 1.958 | 70- 80 | 17.44 | 560.5 | 98.2,98.2 |
| 90 | 0.2029 | 0.2513 | 0.1449 | 0.1745 | 0.1745 | 0.1546 | 0.2126 | 0.1739 | 80- 90 | 0.8579 | 561.3 | 98.4,98.4 |
| 100 | 0.4731 | 0.5319 | 0.3762 | 0.4165 | 0.3965 | 0.3278 | 0.4554 | 0.4434 | 90-100 | 0.3151 | 561.6 | 98.4,98.4 |
| 110 | 0.8781 | 0.8998 | 0.7624 | 0.7552 | 0.7348 | 0.7032 | 0.8310 | 0.8199 | 100-110 | 0.6377 | 562.3 | 98.5,98.5 |
| 120 | 1.362 | 1.362 | 1.237 | 1.209 | 1.170 | 1.139 | 1.276 | 1.313 | 110-120 | 1.010 | 563.3 | 98.7,98.7 |
| 130 | 1.940 | 1.876 | 1.777 | 1.701 | 1.663 | 1.671 | 1.797 | 1.826 | 120-130 | 1.351 | 564.6 | 99,99 |
| 140 | 2.491 | 2.425 | 2.328 | 2.253 | 2.205 | 2.232 | 2.330 | 2.414 | 130-140 | 1.587 | 566.2 | 99.2,99.2 |
| 150 | 2.984 | 2.928 | 2.878 | 2.783 | 2.725 | 2.773 | 2.851 | 2.917 | 140-150 | 1.627 | 567.9 | 99.5,99.5 |
| 160 | 3.391 | 3.353 | 3.313 | 3.237 | 3.199 | 3.237 | 3.305 | 3.343 | 150-160 | 1.421 | 569.3 | 99.8,99.8 |
| 170 | 3.671 | 3.662 | 3.642 | 3.614 | 3.575 | 3.594 | 3.614 | 3.652 | 160-170 | 0.9785 | 570.3 | 99.9,99.9 |
| 180 | 3.778 | 3.787 | 3.787 | 3.797 | 3.787 | 3.807 | 3.778 | 3.797 | 170-180 | 0.3539 | 570.6 | 100,100 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

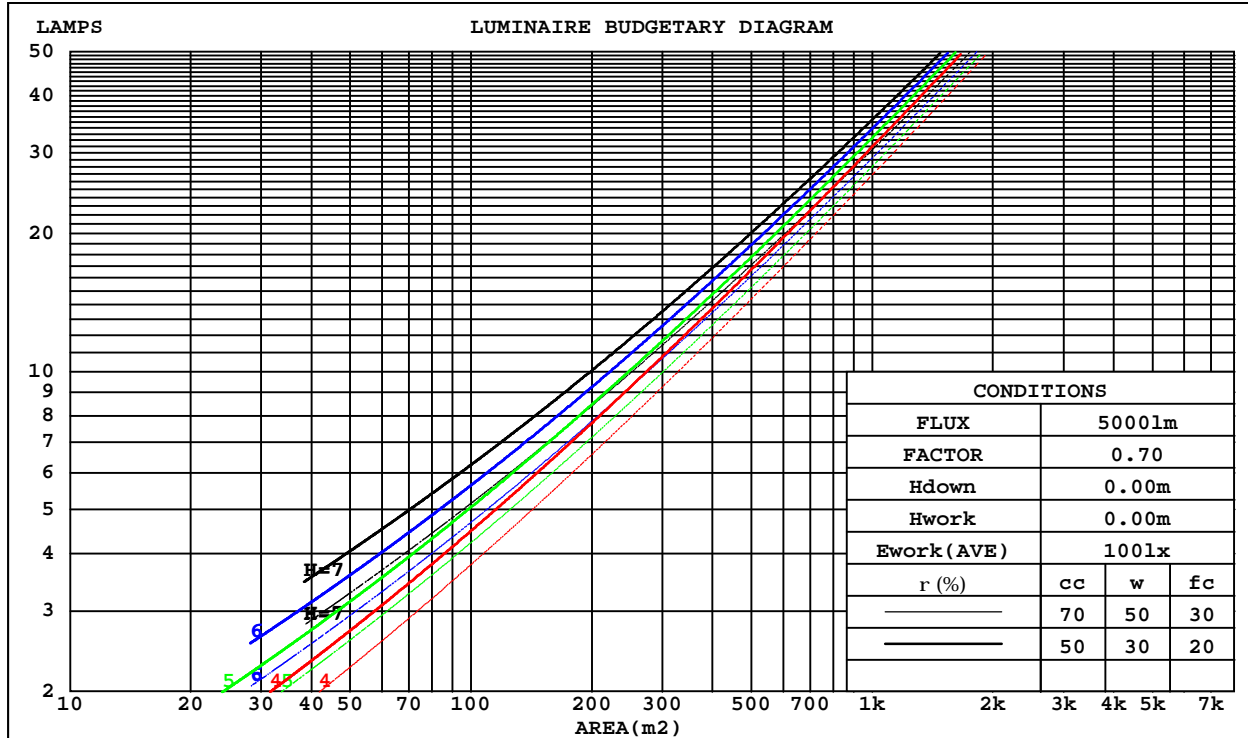
C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:03
 Test Date:2019-11-09

g Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.281
 Humidity:60.0%
 Test Distance:12.200m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|-------------------------------------------------------------------|-------|-------------------|
| Test:U:240.4V I:0.0371A P:8.318W PF:0.9334 Lamp Flux:570.616x1 lm | | |
| NAME: R770BC-8.5W-3000K | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.:1 |
| MFR.: AXG | SUR.: | PROTECTION ANGLE: |

| | | | | | | | | | | | | | | | | |
|-----------------|------------------------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|
| r _{cc} | 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 | 1.19 | 1.19 | 1.19 | 1.16 | 1.16 | 1.16 | 1.10 | 1.10 | 1.10 | 1.05 | 1.05 | 1.05 | 1.01 | 1.01 | 1.01 | .98 |
| 1.0 | 1.06 | 1.03 | .90 | 1.04 | 1.01 | .98 | .90 | .97 | .95 | .95 | .93 | .91 | .92 | .90 | .88 | .86 |
| 2.0 | .95 | .89 | .84 | .93 | .87 | .83 | .89 | .84 | .81 | .86 | .82 | .79 | .82 | .79 | .77 | .75 |
| 3.0 | .84 | .77 | .72 | .83 | .76 | .71 | .80 | .74 | .69 | .77 | .72 | .68 | .74 | .70 | .67 | .65 |
| 4.0 | .76 | .68 | .62 | .74 | .67 | .62 | .72 | .66 | .61 | .69 | .64 | .60 | .67 | .63 | .59 | .57 |
| 5.0 | .69 | .60 | .54 | .67 | .60 | .54 | .65 | .58 | .53 | .63 | .57 | .53 | .61 | .56 | .52 | .50 |
| 6.0 | .62 | .54 | .48 | .61 | .54 | .48 | .59 | .53 | .47 | .58 | .52 | .47 | .56 | .51 | .46 | .45 |
| 7.0 | .57 | .49 | .43 | .56 | .48 | .43 | .54 | .48 | .43 | .53 | .47 | .42 | .51 | .46 | .42 | .40 |
| 8.0 | .52 | .44 | .39 | .52 | .44 | .39 | .50 | .43 | .39 | .49 | .43 | .38 | .48 | .42 | .38 | .36 |
| 9.0 | .48 | .41 | .35 | .48 | .40 | .35 | .46 | .40 | .35 | .45 | .39 | .35 | .44 | .39 | .35 | .33 |
| 10.0 | .45 | .37 | .32 | .44 | .37 | .32 | .43 | .37 | .32 | .42 | .36 | .32 | .41 | .36 | .32 | .30 |



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:03
 Test Date:2019-11-09

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.281
 Humidity:60.0%
 Test Distance:12.200m [K=1.0000]
 Remarks:

WEC AND CCEC

| | | |
|-------------------------------------------------------------------|-------|-------------------|
| Test:U:240.4V I:0.0371A P:8.318W PF:0.9334 Lamp Flux:570.616x1 lm | | |
| NAME: R770BC-8.5W-3000K | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.:1 |
| MFR.: AXG | 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 | .255 | .145 | .046 | .247 | .141 | .045 | .233 | .134 | .043 | .221 | .127 | .041 | .209 | .121 | .039 | |
| 2.0 | .248 | .136 | .042 | .242 | .133 | .041 | .229 | .128 | .040 | .218 | .122 | .038 | .208 | .118 | .037 | |
| 3.0 | .235 | .125 | .037 | .229 | .123 | .037 | .218 | .118 | .036 | .208 | .114 | .035 | .199 | .110 | .034 | |
| 4.0 | .220 | .115 | .034 | .215 | .113 | .033 | .206 | .109 | .033 | .197 | .106 | .032 | .189 | .103 | .031 | |
| 5.0 | .207 | .105 | .030 | .202 | .104 | .030 | .194 | .101 | .030 | .186 | .098 | .029 | .178 | .095 | .029 | |
| 6.0 | .194 | .097 | .028 | .190 | .096 | .028 | .182 | .093 | .027 | .175 | .091 | .027 | .168 | .089 | .026 | |
| 7.0 | .182 | .090 | .025 | .178 | .089 | .025 | .172 | .087 | .025 | .165 | .085 | .025 | .159 | .083 | .024 | |
| 8.0 | .171 | .084 | .024 | .168 | .083 | .023 | .162 | .081 | .023 | .156 | .079 | .023 | .151 | .077 | .023 | |
| 9.0 | .161 | .078 | .022 | .159 | .077 | .022 | .153 | .076 | .021 | .148 | .074 | .021 | .143 | .073 | .021 | |
| 10.0 | .153 | .073 | .020 | .150 | .072 | .020 | .145 | .071 | .020 | .140 | .070 | .020 | .136 | .068 | .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 | .203 | .203 | .203 | .173 | .173 | .173 | .118 | .118 | .118 | .068 | .068 | .068 | .022 | .022 | .022 | |
| 1.0 | .189 | .169 | .151 | .162 | .145 | .130 | .111 | .100 | .090 | .064 | .058 | .052 | .020 | .019 | .017 | |
| 2.0 | .179 | .145 | .116 | .153 | .125 | .100 | .105 | .086 | .070 | .061 | .050 | .041 | .019 | .016 | .013 | |
| 3.0 | .170 | .127 | .092 | .146 | .109 | .080 | .100 | .076 | .056 | .058 | .044 | .033 | .019 | .014 | .011 | |
| 4.0 | .162 | .113 | .075 | .139 | .098 | .065 | .096 | .068 | .046 | .055 | .040 | .027 | .018 | .013 | .009 | |
| 5.0 | .155 | .102 | .063 | .133 | .089 | .055 | .092 | .062 | .039 | .053 | .036 | .023 | .017 | .012 | .008 | |
| 6.0 | .148 | .094 | .055 | .127 | .081 | .048 | .088 | .057 | .034 | .051 | .033 | .020 | .016 | .011 | .007 | |
| 7.0 | .142 | .087 | .048 | .122 | .075 | .042 | .084 | .053 | .030 | .049 | .031 | .018 | .016 | .010 | .006 | |
| 8.0 | .136 | .081 | .043 | .117 | .070 | .038 | .081 | .049 | .027 | .047 | .029 | .016 | .015 | .010 | .005 | |
| 9.0 | .130 | .076 | .040 | .112 | .066 | .034 | .078 | .046 | .024 | .045 | .027 | .015 | .015 | .009 | .005 | |
| 10.0 | .125 | .072 | .036 | .108 | .062 | .032 | .075 | .044 | .023 | .044 | .026 | .014 | .014 | .009 | .004 | |

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:03
 Test Date:2019-11-09

g Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.281
 Humidity:60.0%
 Test Distance:12.200m [K=1.0000]
 Remarks:

Uncorrected UGR Table

| | | | | | | | | | | |
|-------------------------------------------------------------------|------------------|------|------|------|-------|----------------|------|-------------------|------|------|
| Test:U:240.4V I:0.0371A P:8.318W PF:0.9334 Lamp Flux:570.616x1 lm | | | | | | | | | | |
| NAME: R770BC-8.5W-3000K | | | | | TYPE: | | | WEIGHT: | | |
| SPEC.: | | | | | DIM.: | | | SERIAL No.:1 | | |
| MFR.: AXG | | | | | 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 | 26.2 | 27.5 | 26.4 | 27.7 | 28.0 | 26.7 | 28.1 | 27.0 | 28.3 | 28.5 |
| 3H | 26.8 | 28.1 | 27.1 | 28.3 | 28.6 | 27.5 | 28.8 | 27.8 | 29.0 | 29.3 |
| 4H | 26.9 | 28.1 | 27.2 | 28.3 | 28.6 | 27.7 | 28.8 | 28.0 | 29.1 | 29.4 |
| 6H | 26.8 | 27.9 | 27.2 | 28.2 | 28.5 | 27.6 | 28.7 | 27.9 | 29.0 | 29.3 |
| 8H | 26.8 | 27.8 | 27.2 | 28.2 | 28.5 | 27.5 | 28.6 | 27.9 | 28.9 | 29.2 |
| 12H | 26.7 | 27.8 | 27.1 | 28.1 | 28.4 | 27.5 | 28.5 | 27.9 | 28.8 | 29.1 |
| 4H 2H | 26.6 | 27.7 | 26.9 | 28.0 | 28.3 | 27.0 | 28.2 | 27.3 | 28.4 | 28.7 |
| 3H | 27.3 | 28.3 | 27.7 | 28.7 | 29.0 | 27.9 | 29.0 | 28.3 | 29.3 | 29.6 |
| 4H | 27.5 | 28.4 | 27.9 | 28.7 | 29.1 | 28.1 | 29.0 | 28.5 | 29.4 | 29.7 |
| 6H | 27.4 | 28.2 | 27.8 | 28.6 | 29.0 | 28.1 | 28.9 | 28.5 | 29.2 | 29.6 |
| 8H | 27.4 | 28.1 | 27.8 | 28.5 | 28.9 | 28.0 | 28.8 | 28.4 | 29.1 | 29.6 |
| 12H | 27.3 | 28.0 | 27.8 | 28.4 | 28.8 | 28.0 | 28.6 | 28.4 | 29.0 | 29.5 |
| 8H 4H | 27.5 | 28.2 | 27.9 | 28.6 | 29.0 | 28.1 | 28.8 | 28.5 | 29.2 | 29.6 |
| 6H | 27.4 | 28.0 | 27.9 | 28.5 | 28.9 | 28.0 | 28.6 | 28.5 | 29.1 | 29.5 |
| 8H | 27.4 | 27.9 | 27.9 | 28.4 | 28.8 | 28.0 | 28.5 | 28.5 | 29.0 | 29.5 |
| 12H | 27.3 | 27.8 | 27.8 | 28.3 | 28.8 | 27.9 | 28.4 | 28.4 | 28.9 | 29.4 |
| 12H 4H | 27.4 | 28.1 | 27.9 | 28.5 | 28.9 | 28.0 | 28.7 | 28.5 | 29.1 | 29.5 |
| 6H | 27.4 | 27.9 | 27.9 | 28.4 | 28.8 | 28.0 | 28.5 | 28.5 | 29.0 | 29.5 |
| 8H | 27.3 | 27.8 | 27.8 | 28.3 | 28.8 | 27.9 | 28.4 | 28.4 | 28.9 | 29.4 |
| 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 | + 0.7 / - 0.9 | | | | | + 0.8 / - 0.9 | | | | |

CIE Pub.117 Corrected 570.6 lm Total Lamp Luminous Flux.(8log(F/F0) = -1.9)

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:03
 Test Date:2019-11-09

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.281
 Humidity:60.0%
 Test Distance:12.200m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

| | | |
|-------------------------------------------------------------------|-------|-------------------|
| Test:U:240.4V I:0.0371A P:8.318W PF:0.9334 Lamp Flux:570.616x1 lm | | |
| NAME: R770BC-8.5W-3000K | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.:1 |
| MFR.: AXG | SUR.: | PROTECTION ANGLE: |

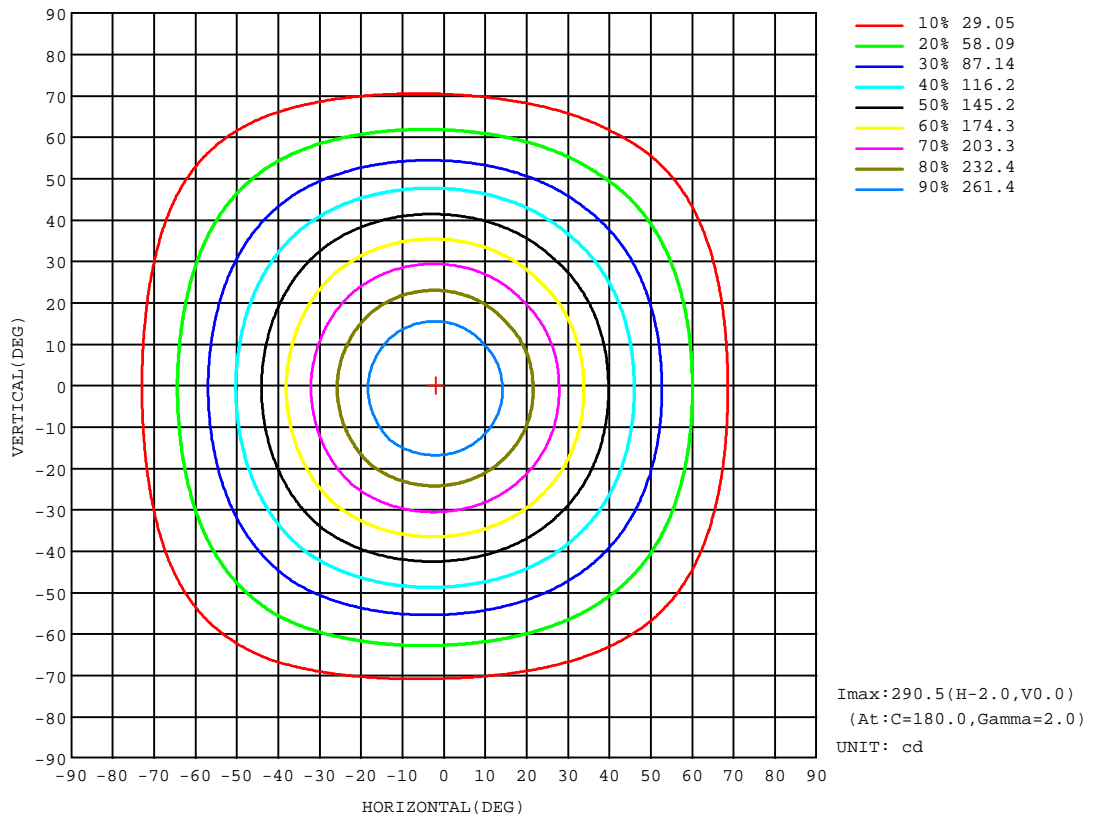
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|-----------------------------------------------------|-----|-----------|-----|-----|-----|---------------|-----|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 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 | 64 | 53 | 47 | 63 | 53 | 47 | 62 | 52 | 47 | 41 |
| 0.80 | 74 | 63 | 57 | 73 | 63 | 57 | 71 | 62 | 56 | 50 |
| 1.00 | 82 | 72 | 66 | 81 | 72 | 66 | 78 | 72 | 65 | 58 |
| 1.25 | 88 | 79 | 73 | 87 | 79 | 73 | 84 | 77 | 72 | 65 |
| 1.50 | 93 | 85 | 79 | 91 | 84 | 78 | 88 | 82 | 77 | 70 |
| 2.00 | 99 | 92 | 86 | 97 | 91 | 86 | 94 | 88 | 84 | 77 |
| 2.50 | 102 | 96 | 91 | 100 | 94 | 90 | 96 | 92 | 88 | 80 |
| 3.00 | 105 | 99 | 95 | 103 | 98 | 94 | 99 | 95 | 91 | 83 |
| 4.00 | 108 | 104 | 100 | 106 | 102 | 98 | 102 | 98 | 96 | 87 |
| 5.00 | 110 | 107 | 103 | 108 | 104 | 101 | 103 | 101 | 98 | 89 |
| ROOM INDEX | UF(total) | | | | | | | | | Direct |
| According to DIN EN 13032-2 2004 | | | Suspended | | | | SHRNOM = 1.25 | | | |

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:03
 Test Date:2019-11-09

g Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.281
 Humidity:60.0%
 Test Distance:12.200m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

| | | |
|-------------------------------------------------------------------|-------|-------------------|
| Test:U:240.4V I:0.0371A P:8.318W PF:0.9334 Lamp Flux:570.616x1 lm | | |
| NAME: R770BC-8.5W-3000K | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.:1 |
| MFR.: AXG | SUR.: | PROTECTION ANGLE: |



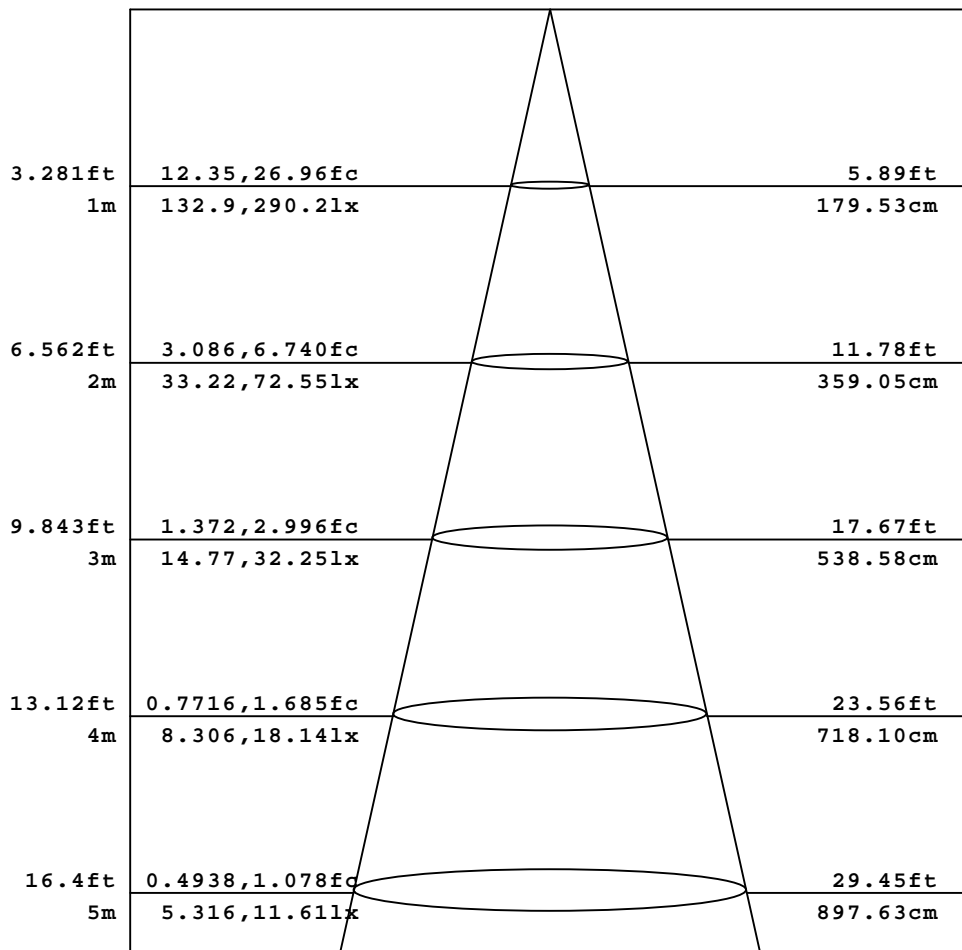
C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:03
 Test Date:2019-11-09

Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.281
 Humidity:60.0%
 Test Distance:12.200m [K=1.0000]
 Remarks:

AAI Figure

| | | |
|-------------------------------------------------------------------|-------|-------------------|
| Test:U:240.4V I:0.0371A P:8.318W PF:0.9334 Lamp Flux:570.616x1 lm | | |
| NAME: R770BC-8.5W-3000K | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.:1 |
| MFR.: AXG | SUR.: | PROTECTION ANGLE: |

Flux out:338.5 lm



Height Eavg, Emax Angle:83.82deg Diameter

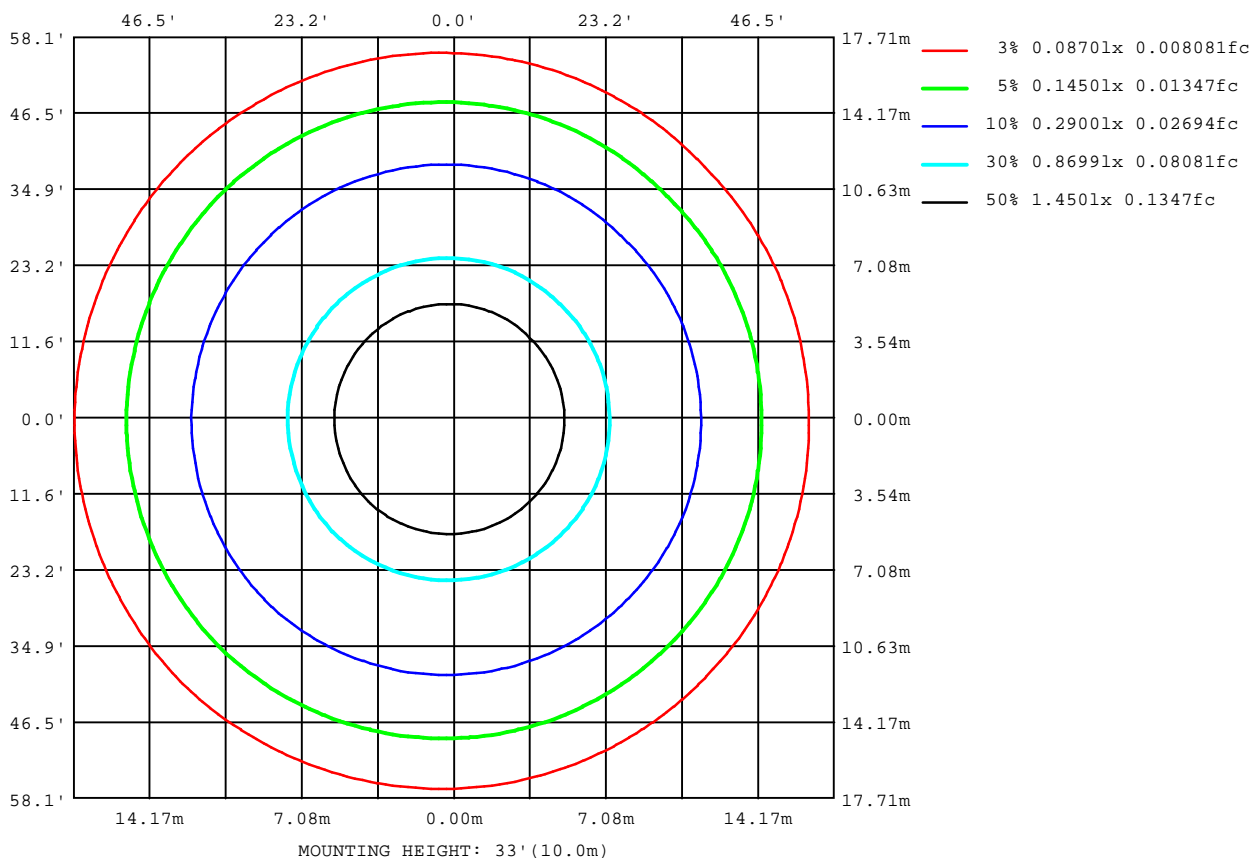
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:03
Test Date:2019-11-09

Range: 0 - 180DEG
Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.281
Humidity:60.0%
Test Distance:12.200m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

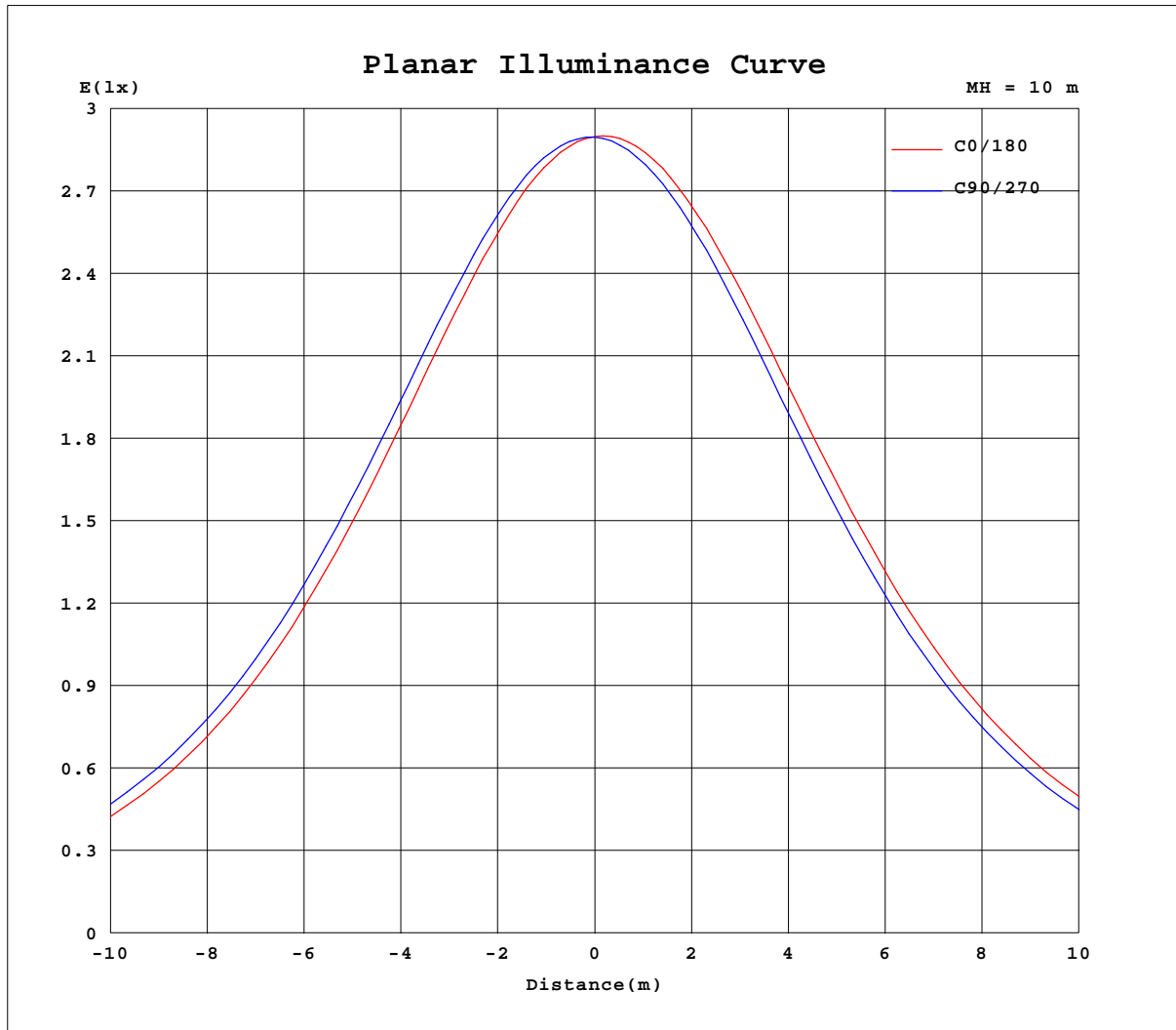
| | | |
|-------------------------------------------------------------------|-------|-------------------|
| Test:U:240.4V I:0.0371A P:8.318W PF:0.9334 Lamp Flux:570.616x1 lm | | |
| NAME: R770BC-8.5W-3000K | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.:1 |
| MFR.: AXG | SUR.: | PROTECTION ANGLE: |



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:03
Test Date:2019-11-09

log Range: 0 - 180DEG
log Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.281
Humidity:60.0%
Test Distance:12.200m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: 03
 Test Date: 2019-11-09

Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.281
 Humidity: 60.0%
 Test Distance: 12.200m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|-------------------------------------------------------------------|-------|-------------------|
| Test:U:240.4V I:0.0371A P:8.318W PF:0.9334 Lamp Flux:570.616x1 lm | | |
| NAME: R770BC-8.5W-3000K | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.:1 |
| MFR.: AXG | SUR.: | PROTECTION ANGLE: |

Table--1

UNIT: cd

| C(DEG) g (DEG) | 0 | 45 | 90 | 135 | 180 | 225 | 270 | 315 | | | | | | | | | | |
|-------------------|------|------|------|------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|
| 0 | 290 | 290 | 290 | 289 | 290 | 290 | 290 | 289 | | | | | | | | | | |
| 5 | 285 | 286 | 288 | 289 | 290 | 288 | 286 | 284 | | | | | | | | | | |
| 10 | 274 | 277 | 280 | 283 | 283 | 280 | 277 | 273 | | | | | | | | | | |
| 15 | 258 | 262 | 267 | 272 | 272 | 268 | 262 | 257 | | | | | | | | | | |
| 20 | 239 | 243 | 250 | 256 | 256 | 251 | 244 | 238 | | | | | | | | | | |
| 25 | 217 | 222 | 229 | 236 | 236 | 230 | 223 | 216 | | | | | | | | | | |
| 30 | 193 | 198 | 206 | 214 | 213 | 208 | 200 | 192 | | | | | | | | | | |
| 35 | 168 | 174 | 182 | 190 | 189 | 184 | 175 | 168 | | | | | | | | | | |
| 40 | 144 | 149 | 157 | 165 | 165 | 159 | 151 | 143 | | | | | | | | | | |
| 45 | 121 | 126 | 133 | 141 | 141 | 135 | 128 | 120 | | | | | | | | | | |
| 50 | 98.4 | 103 | 110 | 118 | 117 | 112 | 105 | 97.9 | | | | | | | | | | |
| 55 | 77.6 | 82.1 | 88.9 | 95.7 | 95.4 | 90.8 | 84.1 | 77.2 | | | | | | | | | | |
| 60 | 58.3 | 62.5 | 68.7 | 75.0 | 74.8 | 70.6 | 64.4 | 58.1 | | | | | | | | | | |
| 65 | 40.6 | 44.4 | 50.1 | 55.9 | 55.7 | 52.0 | 46.3 | 40.4 | | | | | | | | | | |
| 70 | 24.9 | 28.1 | 32.2 | 38.3 | 38.3 | 35.1 | 30.0 | 24.8 | | | | | | | | | | |
| 75 | 11.5 | 12.5 | 14.0 | 20.5 | 22.9 | 20.2 | 15.3 | 11.5 | | | | | | | | | | |
| 80 | 1.88 | 1.56 | 1.43 | 5.23 | 10.1 | 6.59 | 2.48 | 1.96 | | | | | | | | | | |
| 85 | 0.20 | 0.16 | 0.15 | 0.13 | 1.21 | 0.20 | 0.20 | 0.18 | | | | | | | | | | |
| 90 | 0.20 | 0.25 | 0.14 | 0.17 | 0.17 | 0.15 | 0.21 | 0.17 | | | | | | | | | | |
| 95 | 0.31 | 0.37 | 0.23 | 0.28 | 0.27 | 0.18 | 0.32 | 0.28 | | | | | | | | | | |
| 100 | 0.47 | 0.53 | 0.38 | 0.42 | 0.40 | 0.33 | 0.46 | 0.44 | | | | | | | | | | |
| 105 | 0.68 | 0.70 | 0.56 | 0.59 | 0.56 | 0.50 | 0.63 | 0.62 | | | | | | | | | | |
| 110 | 0.88 | 0.90 | 0.76 | 0.76 | 0.73 | 0.70 | 0.83 | 0.82 | | | | | | | | | | |
| 115 | 1.11 | 1.12 | 0.98 | 0.96 | 0.93 | 0.91 | 1.03 | 1.06 | | | | | | | | | | |
| 120 | 1.36 | 1.36 | 1.24 | 1.21 | 1.17 | 1.14 | 1.28 | 1.31 | | | | | | | | | | |
| 125 | 1.66 | 1.60 | 1.50 | 1.45 | 1.40 | 1.38 | 1.52 | 1.55 | | | | | | | | | | |
| 130 | 1.94 | 1.88 | 1.78 | 1.70 | 1.66 | 1.67 | 1.80 | 1.83 | | | | | | | | | | |
| 135 | 2.21 | 2.15 | 2.06 | 1.97 | 1.94 | 1.95 | 2.06 | 2.13 | | | | | | | | | | |
| 140 | 2.49 | 2.43 | 2.33 | 2.25 | 2.20 | 2.23 | 2.33 | 2.41 | | | | | | | | | | |
| 145 | 2.75 | 2.69 | 2.62 | 2.51 | 2.46 | 2.52 | 2.61 | 2.68 | | | | | | | | | | |
| 150 | 2.98 | 2.93 | 2.88 | 2.78 | 2.73 | 2.77 | 2.85 | 2.92 | | | | | | | | | | |
| 155 | 3.20 | 3.14 | 3.10 | 3.02 | 2.98 | 3.02 | 3.10 | 3.14 | | | | | | | | | | |
| 160 | 3.39 | 3.35 | 3.31 | 3.24 | 3.20 | 3.24 | 3.30 | 3.34 | | | | | | | | | | |
| 165 | 3.56 | 3.51 | 3.50 | 3.42 | 3.40 | 3.43 | 3.50 | 3.51 | | | | | | | | | | |
| 170 | 3.67 | 3.66 | 3.64 | 3.61 | 3.58 | 3.59 | 3.61 | 3.65 | | | | | | | | | | |
| 175 | 3.77 | 3.77 | 3.74 | 3.74 | 3.72 | 3.74 | 3.73 | 3.77 | | | | | | | | | | |
| 180 | 3.78 | 3.79 | 3.79 | 3.80 | 3.79 | 3.81 | 3.78 | 3.80 | | | | | | | | | | |

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