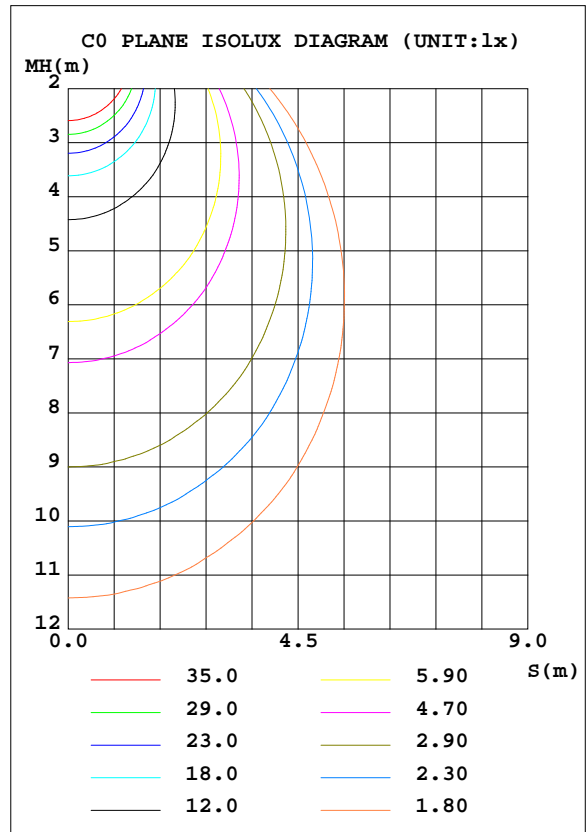
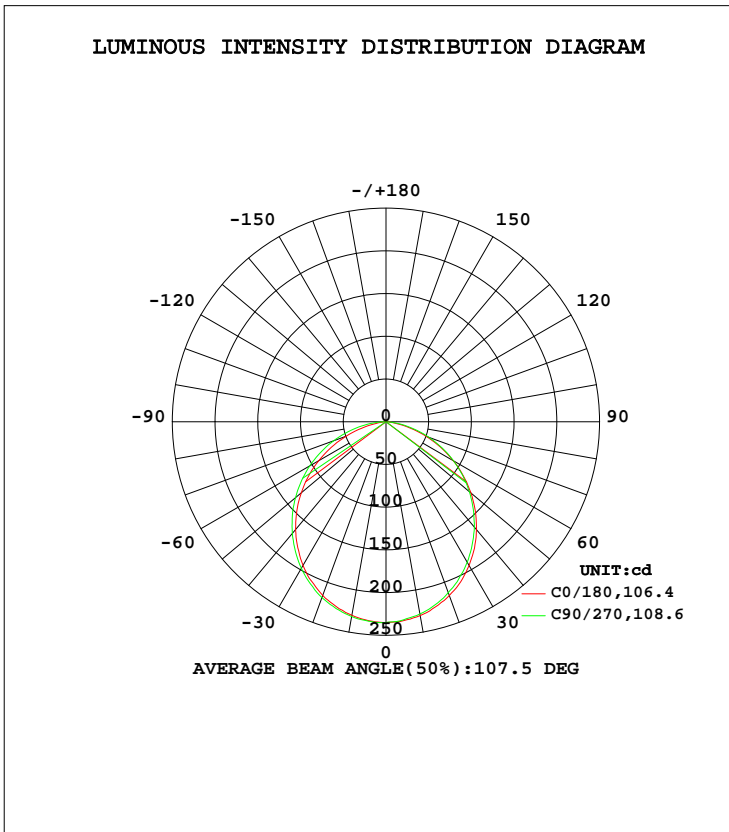


LUMINAIRE PHOTOMETRIC TEST REPORT

|  |             |                  |
|--|-------------|------------------|
| Test:U:230.71V I:0.0434A P:9.4299W PF:0.9414 Freq:50.00Hz Lamp Flux:632.027x1 lm |             |                  |
| NAME: 136-187_5700K  | TYPE:10W    | WEIGHT:          |
| SPEC.:5700K  | DIM.:       | SERIAL No.:      |
| MFR.: Tronix Lighting  | SUR.:0.0775 | Shielding Angle: |

| DATA OF LAMP     |               | PHOTOMETRIC DATA |        |                    |          |
|------------------|---------------|------------------|--------|--------------------|----------|
| MODEL            | 136-187_5700K | Imax(cd)         | 235.2  | S/MH(C0/180)       | 1.23     |
| NOMINAL POWER(W) | 10            | LOR(%)           | 100.0  | S/MH(C90/270)      | 1.25     |
| RATED VOLTAGE(V) | 230           | TOTAL FLUX(lm)   | 632.03 | η UP, DN(C0-180)   | 0.0,48.7 |
| NOMINAL FLUX(lm) | 632.027       | CIE CLASS        | DIRECT | η UP, DN(C180-360) | 0.0,51.3 |
| LAMPS INSIDE     | 1             | η up(%)          | 0.0    | CIBSE SHR NOM      | 1.25     |
| TEST VOLTAGE(V)  |               | η down(%)        | 100.0  | CIBSE SHR MAX      | 1.35     |



C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2020-01-13

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.0.404.7  
 Humidity:65.0%  
 Test Distance:9.900m [K=1.0000]  
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

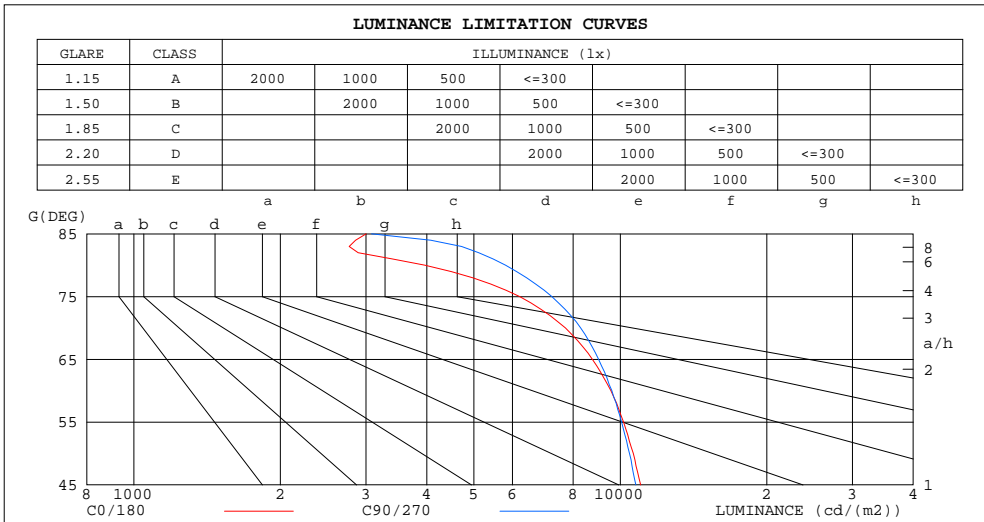
| γ   | C0                    | C45   | C90   | C135  | C180  | C225  | C270  | C315  | γ       | Φ zone  | Φ total | lum, lamp |
|-----|-----------------------|-------|-------|-------|-------|-------|-------|-------|---------|---------|---------|-----------|
| 10  | 230.4                 | 229.5 | 228.6 | 229.5 | 230.0 | 231.7 | 231.5 | 231.4 | 0- 10   | 22.20   | 22.20   | 3.51,3.51 |
| 20  | 216.6                 | 214.6 | 212.9 | 214.3 | 216.3 | 218.3 | 219.2 | 218.3 | 10- 20  | 63.28   | 85.48   | 13.5,13.5 |
| 30  | 194.5                 | 192.4 | 190.0 | 191.5 | 194.2 | 197.1 | 198.1 | 197.4 | 20- 30  | 95.04   | 180.5   | 28.6,28.6 |
| 40  | 164.8                 | 162.7 | 160.8 | 162.1 | 164.7 | 169.3 | 170.4 | 169.3 | 30- 40  | 113.0   | 293.5   | 46.4,46.4 |
| 50  | 129.9                 | 128.6 | 127.4 | 127.7 | 129.5 | 135.7 | 138.3 | 135.7 | 40- 50  | 114.9   | 408.4   | 64.6,64.6 |
| 60  | 90.82                 | 91.27 | 91.15 | 90.49 | 90.68 | 98.90 | 102.8 | 98.62 | 50- 60  | 101.2   | 509.6   | 80.6,80.6 |
| 70  | 50.11                 | 52.48 | 53.79 | 51.58 | 49.84 | 59.87 | 65.29 | 59.61 | 60- 70  | 74.04   | 583.6   | 92.3,92.3 |
| 80  | 13.08                 | 18.15 | 19.15 | 17.88 | 12.07 | 22.90 | 28.82 | 23.21 | 70- 80  | 38.64   | 622.3   | 98.5,98.5 |
| 90  | 1.941                 | 2.614 | 2.238 | 2.820 | 1.812 | 3.142 | 2.231 | 3.084 | 80- 90  | 9.746   | 632.0   | 100,100   |
| 100 |                       |       |       |       |       |       |       |       | 90-100  |         |         |           |
| 110 |                       |       |       |       |       |       |       |       | 100-110 |         |         |           |
| 120 |                       |       |       |       |       |       |       |       | 110-120 |         |         |           |
| 130 |                       |       |       |       |       |       |       |       | 120-130 |         |         |           |
| 140 |                       |       |       |       |       |       |       |       | 130-140 |         |         |           |
| 150 |                       |       |       |       |       |       |       |       | 140-150 |         |         |           |
| 160 |                       |       |       |       |       |       |       |       | 150-160 |         |         |           |
| 170 |                       |       |       |       |       |       |       |       | 160-170 |         |         |           |
| 180 |                       |       |       |       |       |       |       |       | 170-180 |         |         |           |
| DEG | LUMINOUS INTENSITY:cd |       |       |       |       |       |       |       |         | UNIT:lm |         |           |

C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2020-01-13

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.0.404.7  
 Humidity:65.0%  
 Test Distance:9.900m [K=1.0000]  
 Remarks:

LUMINANCE LIMITATION CURVES

|  |             |                  |
|--|-------------|------------------|
| Test:U:230.71V I:0.0434A P:9.4299W PF:0.9414 Freq:50.00Hz Lamp Flux:632.027x1 lm |             |                  |
| NAME: 136-187_5700K  | TYPE:10W    | WEIGHT:          |
| SPEC.:5700K  | DIM.:       | SERIAL No.:      |
| MFR.: Tronix Lighting  | SUR.:0.0775 | Shielding Angle: |



| LUMINANCE cd/(m2) |        |         |
|-------------------|--------|---------|
| G(DEG)            | C0/180 | C90/270 |
| 85                | 3003   | 3080    |
| 80                | 3965   | 5811    |
| 75                | 6207   | 7229    |
| 70                | 7712   | 8286    |
| 65                | 8759   | 9025    |
| 60                | 9561   | 9605    |
| 55                | 10151  | 10065   |
| 50                | 10637  | 10441   |
| 45                | 11014  | 10761   |

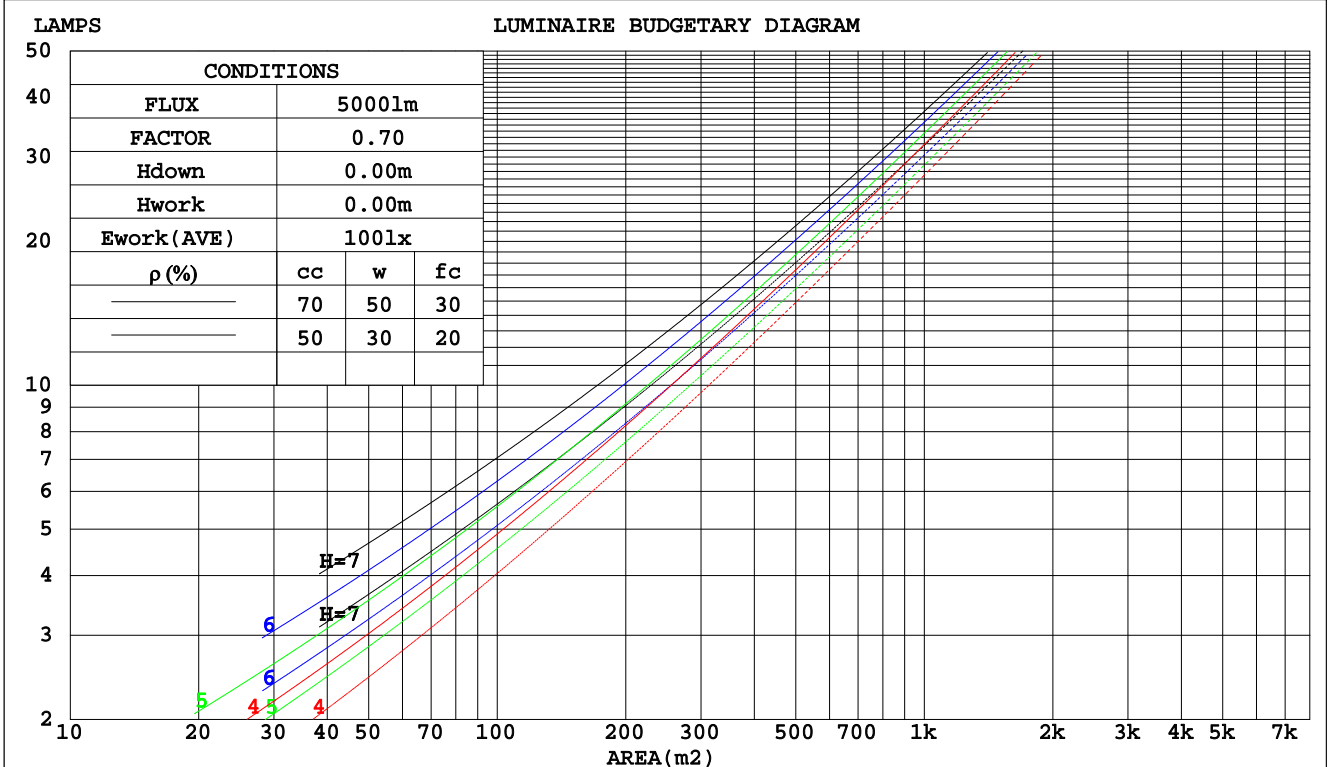
C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2020-01-13

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.0.404.7  
 Humidity:65.0%  
 Test Distance:9.900m [K=1.0000]  
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|  |             |                  |
|--|-------------|------------------|
| Test:U:230.71V I:0.0434A P:9.4299W PF:0.9414 Freq:50.00Hz Lamp Flux:632.027x1 lm |             |                  |
| NAME: 136-187_5700K  | TYPE:10W    | WEIGHT:          |
| SPEC.:5700K  | DIM.:       | SERIAL No.:      |
| MFR.: Tronix Lighting  | SUR.:0.0775 | Shielding Angle: |

| pcc  | 80%                             |      |      | 70%  |      |      | 50%  |      |      | 30%  |      |      | 10%  |      |      | 0    |
|------|---------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|      | 50%                             | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0    |
| pw   |                                 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 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 | 1.00 |
| 1.0  | 1.04                            | 1.00 | .97  | 1.02 | .98  | .95  | .98  | .95  | .92  | .94  | .91  | .89  | .90  | .88  | .86  | .84  |
| 2.0  | .91                             | .85  | .79  | .89  | .83  | .78  | .86  | .81  | .76  | .83  | .78  | .74  | .80  | .76  | .73  | .71  |
| 3.0  | .80                             | .72  | .66  | .79  | .71  | .65  | .76  | .69  | .64  | .73  | .68  | .63  | .70  | .66  | .62  | .60  |
| 4.0  | .71                             | .63  | .56  | .70  | .62  | .56  | .67  | .60  | .55  | .65  | .59  | .54  | .63  | .58  | .53  | .51  |
| 5.0  | .64                             | .55  | .48  | .63  | .54  | .48  | .60  | .53  | .47  | .59  | .52  | .47  | .57  | .51  | .46  | .44  |
| 6.0  | .57                             | .49  | .42  | .56  | .48  | .42  | .55  | .47  | .42  | .53  | .46  | .41  | .51  | .46  | .41  | .39  |
| 7.0  | .52                             | .43  | .37  | .51  | .43  | .37  | .50  | .42  | .37  | .48  | .42  | .37  | .47  | .41  | .36  | .34  |
| 8.0  | .48                             | .39  | .33  | .47  | .39  | .33  | .46  | .38  | .33  | .44  | .38  | .33  | .43  | .37  | .33  | .31  |
| 9.0  | .44                             | .36  | .30  | .43  | .35  | .30  | .42  | .35  | .30  | .41  | .34  | .30  | .40  | .34  | .29  | .28  |
| 10.0 | .40                             | .32  | .27  | .40  | .32  | .27  | .39  | .32  | .27  | .38  | .31  | .27  | .37  | .31  | .27  | .25  |



C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2020-01-13

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.0.404.7  
 Humidity:65.0%  
 Test Distance:9.900m [K=1.0000]  
 Remarks:

WEC AND CCEC

|  |             |                  |
|--|-------------|------------------|
| Test:U:230.71V I:0.0434A P:9.4299W PF:0.9414 Freq:50.00Hz Lamp Flux:632.027x1 lm |             |                  |
| NAME: 136-187_5700K  | TYPE:10W    | WEIGHT:          |
| SPEC.:5700K  | DIM.:       | SERIAL No.:      |
| MFR.: Tronix Lighting  | SUR.:0.0775 | Shielding Angle: |

| 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 |      |      |      |      |      | Wall Exitance Coefficients(WEC) |      |      |      |      |      |      |      |      |   |
| 0.0  |                       |      |      |      |      |      |                                 |      |      |      |      |      |      |      |      |   |
| 1.0  | .299                  | .170 | .054 | .292 | .167 | .053 | .279                            | .160 | .051 | .267 | .154 | .049 | .256 | .148 | .048 |   |
| 2.0  | .284                  | .156 | .048 | .278 | .153 | .047 | .266                            | .148 | .046 | .255 | .143 | .045 | .245 | .139 | .044 |   |
| 3.0  | .264                  | .140 | .042 | .258 | .138 | .042 | .248                            | .134 | .041 | .239 | .131 | .040 | .230 | .127 | .039 |   |
| 4.0  | .244                  | .127 | .037 | .240 | .125 | .037 | .230                            | .122 | .037 | .222 | .119 | .036 | .214 | .116 | .035 |   |
| 5.0  | .227                  | .115 | .033 | .222 | .114 | .033 | .214                            | .112 | .033 | .207 | .109 | .032 | .200 | .107 | .032 |   |
| 6.0  | .211                  | .106 | .030 | .207 | .104 | .030 | .200                            | .102 | .030 | .193 | .100 | .029 | .186 | .098 | .029 |   |
| 7.0  | .196                  | .097 | .028 | .193 | .096 | .027 | .186                            | .094 | .027 | .180 | .092 | .027 | .175 | .091 | .027 |   |
| 8.0  | .184                  | .090 | .025 | .181 | .089 | .025 | .175                            | .087 | .025 | .169 | .086 | .025 | .164 | .084 | .025 |   |
| 9.0  | .172                  | .083 | .023 | .169 | .083 | .023 | .164                            | .081 | .023 | .159 | .080 | .023 | .155 | .079 | .023 |   |
| 10.0 | .162                  | .078 | .022 | .160 | .077 | .022 | .155                            | .076 | .021 | .151 | .075 | .021 | .146 | .074 | .021 |   |

| 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  | .190                  | .190 | .190 | .163 | .163 | .163 | .111                                       | .111 | .111 | .064 | .064 | .064 | .020 | .020 | .020 |   |
| 1.0  | .180                  | .156 | .135 | .154 | .134 | .116 | .105                                       | .092 | .080 | .060 | .053 | .047 | .019 | .017 | .015 |   |
| 2.0  | .171                  | .132 | .099 | .147 | .114 | .086 | .100                                       | .079 | .060 | .058 | .046 | .035 | .019 | .015 | .011 |   |
| 3.0  | .163                  | .114 | .075 | .140 | .099 | .065 | .096                                       | .068 | .046 | .056 | .040 | .027 | .018 | .013 | .009 |   |
| 4.0  | .156                  | .101 | .059 | .134 | .087 | .051 | .092                                       | .061 | .036 | .053 | .036 | .021 | .017 | .012 | .007 |   |
| 5.0  | .148                  | .090 | .048 | .127 | .078 | .042 | .088                                       | .055 | .029 | .051 | .032 | .017 | .016 | .010 | .006 |   |
| 6.0  | .141                  | .082 | .040 | .121 | .071 | .034 | .084                                       | .050 | .024 | .049 | .029 | .014 | .016 | .010 | .005 |   |
| 7.0  | .134                  | .075 | .034 | .116 | .065 | .029 | .080                                       | .046 | .021 | .046 | .027 | .012 | .015 | .009 | .004 |   |
| 8.0  | .128                  | .069 | .029 | .110 | .060 | .025 | .076                                       | .042 | .018 | .044 | .025 | .011 | .014 | .008 | .004 |   |
| 9.0  | .122                  | .064 | .025 | .105 | .056 | .022 | .073                                       | .039 | .016 | .042 | .023 | .009 | .014 | .008 | .003 |   |
| 10.0 | .116                  | .060 | .023 | .100 | .052 | .020 | .070                                       | .037 | .014 | .041 | .022 | .008 | .013 | .007 | .003 |   |

C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2020-01-13

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.0.404.7  
 Humidity:65.0%  
 Test Distance:9.900m [K=1.0000]  
 Remarks:

UGR(Unified Glare Rating) Table

|  |                  |      |      |      |             |                |      |                  |      |      |
|--|------------------|------|------|------|-------------|----------------|------|------------------|------|------|
| Test:U:230.71V I:0.0434A P:9.4299W PF:0.9414 Freq:50.00Hz Lamp Flux:632.027x1 lm |                  |      |      |      |             |                |      |                  |      |      |
| NAME: 136-187_5700K  |                  |      |      |      | TYPE:10W    |                |      | WEIGHT:          |      |      |
| SPEC.:5700K  |                  |      |      |      | DIM.:       |                |      | SERIAL No.:      |      |      |
| MFR.: Tronix Lighting  |                  |      |      |      | SUR.:0.0775 |                |      | Shielding 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  | 20.8             | 22.3 | 21.0 | 22.5 | 22.7        | 20.7           | 22.2 | 21.0             | 22.4 | 22.6 |
| 3H   | 22.0             | 23.4 | 22.3 | 23.6 | 23.9        | 22.1           | 23.5 | 22.4             | 23.7 | 23.9 |
| 4H   | 22.4             | 23.7 | 22.7 | 24.0 | 24.2        | 22.6           | 23.9 | 22.9             | 24.1 | 24.4 |
| 6H   | 22.6             | 23.8 | 22.9 | 24.1 | 24.3        | 22.9           | 24.1 | 23.2             | 24.4 | 24.7 |
| 8H   | 22.5             | 23.7 | 22.9 | 24.0 | 24.3        | 22.9           | 24.1 | 23.3             | 24.4 | 24.7 |
| 12H  | 22.5             | 23.7 | 22.9 | 24.0 | 24.3        | 22.9           | 24.1 | 23.3             | 24.4 | 24.7 |
| 4H 2H  | 21.3             | 22.6 | 21.6 | 22.9 | 23.1        | 21.3           | 22.6 | 21.6             | 22.9 | 23.1 |
| 3H   | 22.7             | 23.9 | 23.1 | 24.2 | 24.5        | 22.8           | 24.0 | 23.2             | 24.3 | 24.6 |
| 4H   | 23.2             | 24.3 | 23.6 | 24.6 | 24.9        | 23.4           | 24.5 | 23.8             | 24.8 | 25.1 |
| 6H   | 23.5             | 24.4 | 23.9 | 24.7 | 25.1        | 23.8           | 24.7 | 24.2             | 25.1 | 25.4 |
| 8H   | 23.5             | 24.3 | 23.9 | 24.7 | 25.1        | 23.9           | 24.8 | 24.3             | 25.1 | 25.5 |
| 12H  | 23.5             | 24.3 | 23.9 | 24.7 | 25.1        | 23.9           | 24.7 | 24.4             | 25.1 | 25.5 |
| 8H 4H  | 23.4             | 24.3 | 23.8 | 24.6 | 25.0        | 23.6           | 24.4 | 24.0             | 24.8 | 25.2 |
| 6H   | 23.8             | 24.5 | 24.2 | 24.9 | 25.3        | 24.1           | 24.8 | 24.5             | 25.2 | 25.6 |
| 8H   | 23.8             | 24.5 | 24.3 | 24.9 | 25.3        | 24.2           | 24.9 | 24.7             | 25.3 | 25.8 |
| 12H  | 23.9             | 24.4 | 24.4 | 24.9 | 25.3        | 24.3           | 24.9 | 24.8             | 25.3 | 25.8 |
| 12H 4H   | 23.4             | 24.2 | 23.8 | 24.6 | 25.0        | 23.6           | 24.4 | 24.0             | 24.7 | 25.1 |
| 6H   | 23.8             | 24.4 | 24.2 | 24.8 | 25.3        | 24.1           | 24.7 | 24.6             | 25.2 | 25.6 |
| 8H   | 23.9             | 24.4 | 24.4 | 24.9 | 25.4        | 24.3           | 24.8 | 24.8             | 25.3 | 25.8 |
| Variations with the observer position at spacings:                               |                  |      |      |      |             |                |      |                  |      |      |
| S = 1.0H   | + 0.2 / - 0.3    |      |      |      |             | + 0.2 / - 0.2  |      |                  |      |      |
| 1.5H   | + 0.2 / - 0.4    |      |      |      |             | + 0.2 / - 0.3  |      |                  |      |      |
| 2.0H   | + 0.3 / - 0.3    |      |      |      |             | + 0.3 / - 0.3  |      |                  |      |      |

CIE Pub.117, 632.0 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -1.6)

C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2020-01-13

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.0.404.7  
 Humidity:65.0%  
 Test Distance:9.900m [K=1.0000]  
 Remarks:

UTILIZATION FACTORS TABLE

|  |             |                  |
|--|-------------|------------------|
| Test:U:230.71V I:0.0434A P:9.4299W PF:0.9414 Freq:50.00Hz Lamp Flux:632.027x1 lm |             |                  |
| NAME: 136-187_5700K  | TYPE:10W    | WEIGHT:          |
| SPEC.:5700K  | DIM.:       | SERIAL No.:      |
| MFR.: Tronix Lighting  | SUR.:0.0775 | Shielding Angle: |

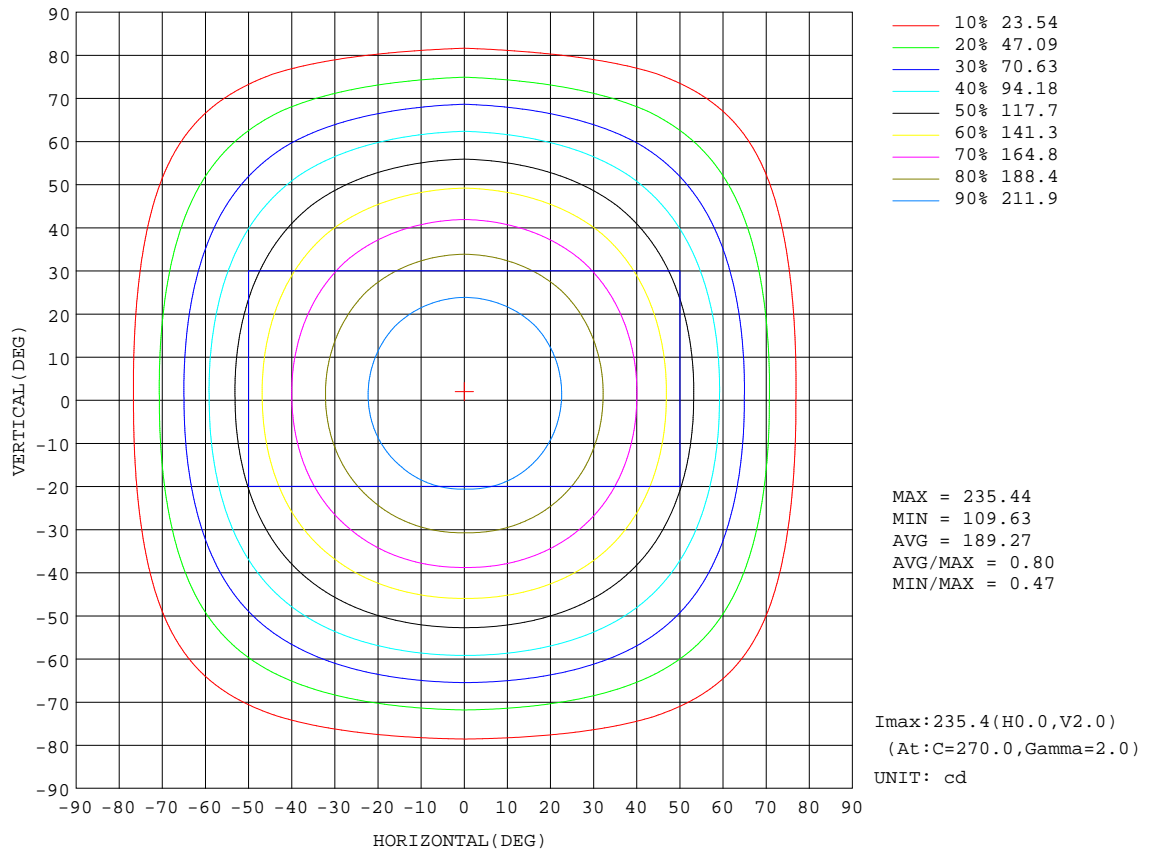
| REFLECTANCE                      |   |     |           |     |     |     |               |     |     |        |
|----------------------------------|---|-----|-----------|-----|-----|-----|---------------|-----|-----|--------|
| Ceiling                          | 0.8   | 0.8 | 0.8       | 0.7 | 0.7 | 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                         | 58  | 47  | 40        | 58  | 47  | 40  | 57            | 46  | 40  | 34     |
| 0.80                             | 69  | 57  | 50        | 68  | 57  | 50  | 66            | 56  | 49  | 43     |
| 1.00                             | 77  | 66  | 59        | 76  | 66  | 59  | 74            | 67  | 58  | 51     |
| 1.25                             | 84  | 74  | 67        | 83  | 73  | 66  | 80            | 72  | 66  | 59     |
| 1.50                             | 89  | 79  | 73        | 87  | 79  | 72  | 84            | 77  | 71  | 64     |
| 2.00                             | 96  | 87  | 81        | 94  | 86  | 80  | 90            | 84  | 79  | 71     |
| 2.50                             | 100   | 92  | 86        | 98  | 91  | 85  | 94            | 88  | 83  | 75     |
| 3.00                             | 103   | 96  | 91        | 101 | 95  | 90  | 97            | 92  | 88  | 79     |
| 4.00                             | 107   | 101 | 97        | 104 | 99  | 95  | 100           | 96  | 93  | 84     |
| 5.00                             | 109   | 104 | 100       | 107 | 102 | 99  | 102           | 99  | 96  | 87     |
| 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:DAMIN  
 Test Date:2020-01-13

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.0.404.7  
 Humidity:65.0%  
 Test Distance:9.900m [K=1.0000]  
 Remarks:

ISOCANDELA DIAGRAM

|  |             |                  |
|--|-------------|------------------|
| Test:U:230.71V I:0.0434A P:9.4299W PF:0.9414 Freq:50.00Hz Lamp Flux:632.027x1 lm |             |                  |
| NAME: 136-187_5700K  | TYPE:10W    | WEIGHT:          |
| SPEC.:5700K  | DIM.:       | SERIAL No.:      |
| MFR.: Tronix Lighting  | SUR.:0.0775 | Shielding Angle: |

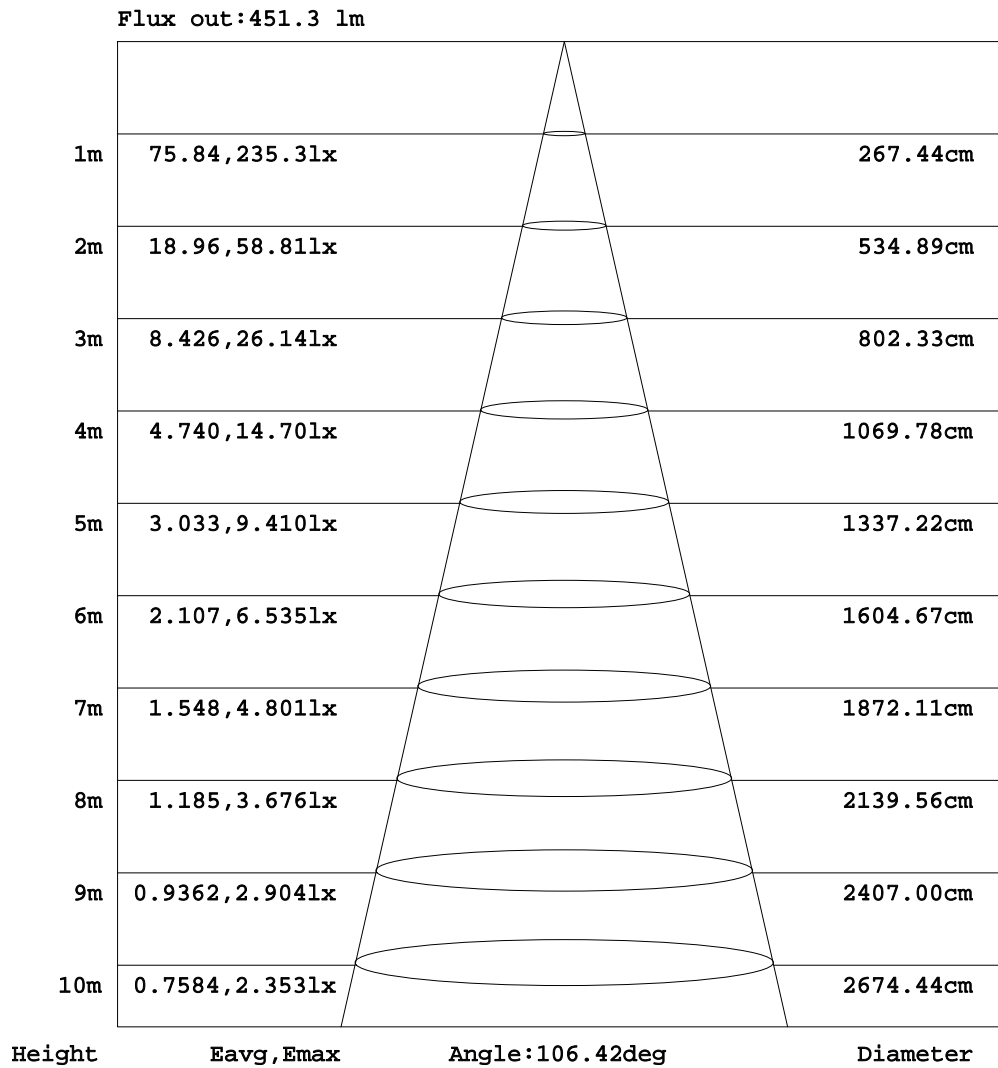


C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2020-01-13

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000H\_V1 SYSTEM V2.0.404.7  
 Humidity: 65.0%  
 Test Distance: 9.900m [K=1.0000]  
 Remarks:

AAI Figure

|  |             |                  |
|--|-------------|------------------|
| Test:U:230.71V I:0.0434A P:9.4299W PF:0.9414 Freq:50.00Hz Lamp Flux:632.027x1 lm |             |                  |
| NAME: 136-187_5700K  | TYPE:10W    | WEIGHT:          |
| SPEC.:5700K  | DIM.:       | SERIAL No.:      |
| MFR.: Tronix Lighting  | SUR.:0.0775 | Shielding Angle: |



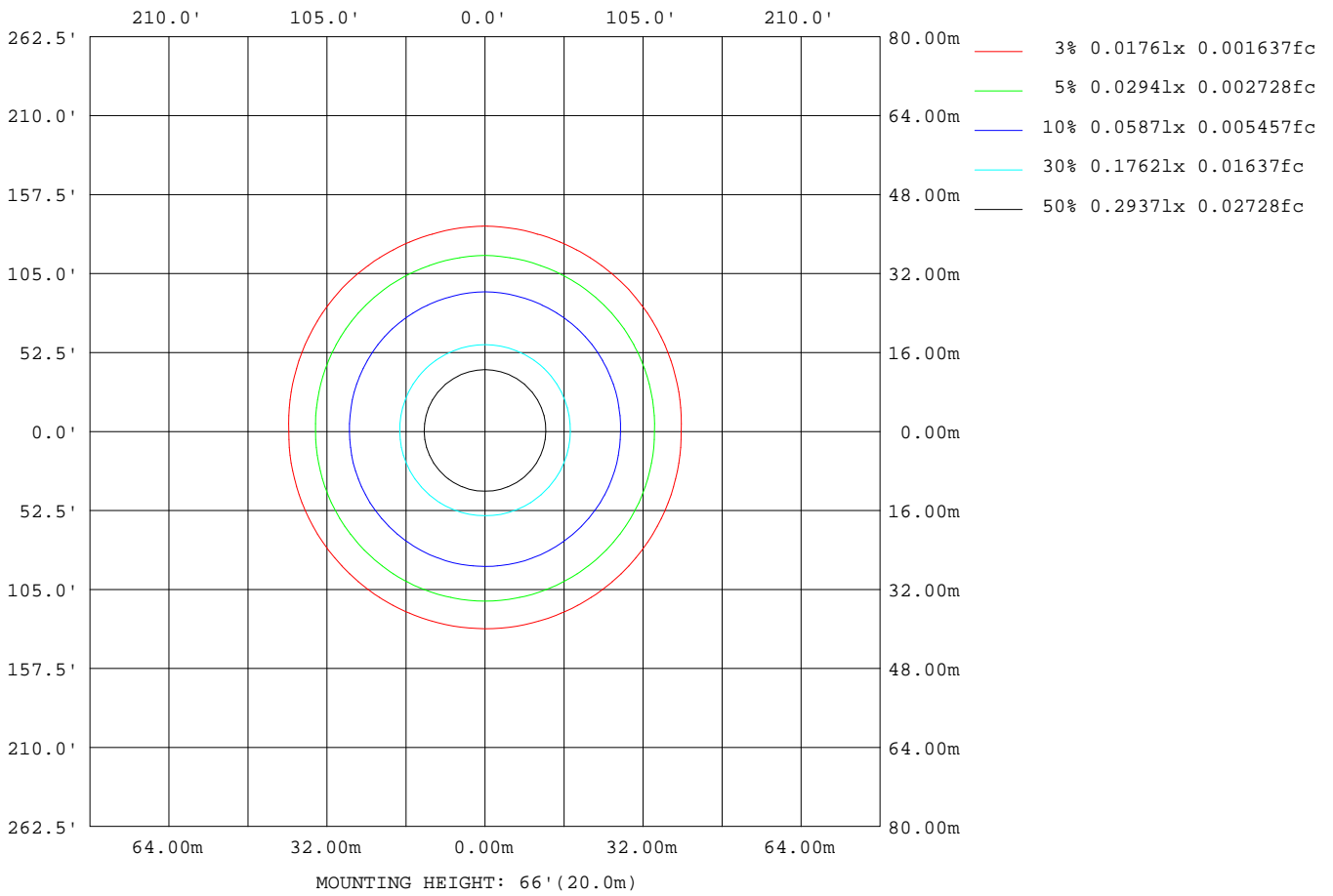
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2020-01-13

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000H\_V1 SYSTEM V2.0.404.7  
 Humidity: 65.0%  
 Test Distance: 9.900m [K=1.0000]  
 Remarks:

ISOLUX DIAGRAM

|  |             |                  |
|--|-------------|------------------|
| Test:U:230.71V I:0.0434A P:9.4299W PF:0.9414 Freq:50.00Hz Lamp Flux:632.027x1 lm |             |                  |
| NAME: 136-187_5700K  | TYPE:10W    | WEIGHT:          |
| SPEC.:5700K  | DIM.:       | SERIAL No.:      |
| MFR.: Tronix Lighting  | SUR.:0.0775 | Shielding Angle: |



C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2020-01-13

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.0.404.7  
 Humidity:65.0%  
 Test Distance:9.900m [K=1.0000]  
 Remarks:

**LED Avg.L Report**

|  |             |                  |
|--|-------------|------------------|
| Test:U:230.71V I:0.0434A P:9.4299W PF:0.9414 Freq:50.00Hz Lamp Flux:632.027x1 lm |             |                  |
| NAME: 136-187_5700K  | TYPE:10W    | WEIGHT:          |
| SPEC.:5700K  | DIM.:       | SERIAL No.:      |
| MFR.: Tronix Lighting  | SUR.:0.0775 | Shielding Angle: |

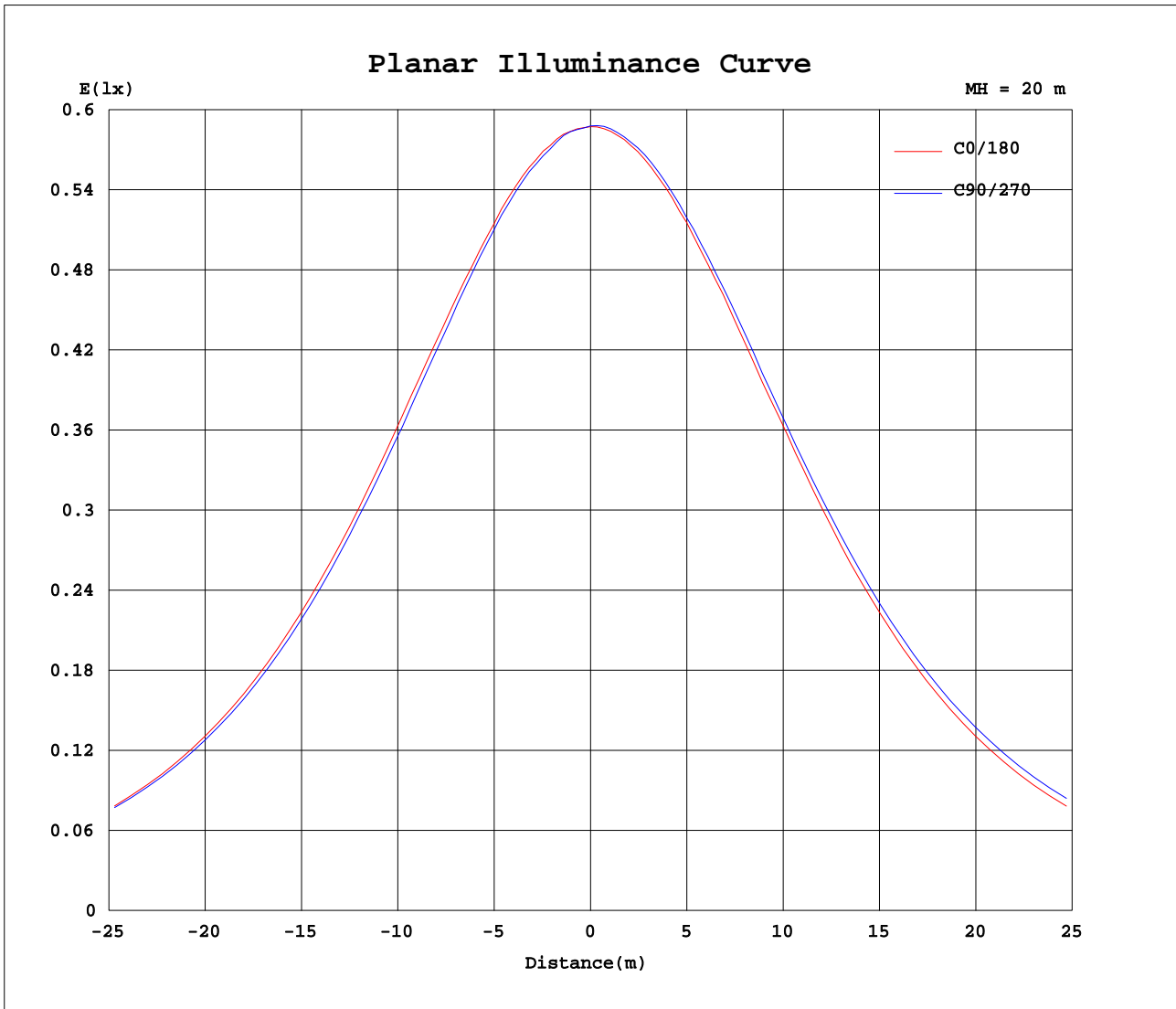
| AvgL           | cd/m2 |
|----------------|-------|
| L_0~180(65)av  | 8769  |
| L_0~180(75)av  | 6139  |
| L_0~180(85)av  | 2937  |
| L_90~270(65)av | 9754  |
| L_90~270(75)av | 8357  |
| L_90~270(85)av | 5550  |
| L_45(65)av     | 9390  |
| L_45(75)av     | 7528  |
| L_45(85)av     | 5601  |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2020-01-13

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.0.404.7  
 Humidity:65.0%  
 Test Distance:9.900m [K=1.0000]  
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2020-01-13

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000H\_V1 SYSTEM V2.0.404.7  
 Humidity: 65.0%  
 Test Distance: 9.900m [K=1.0000]  
 Remarks:

