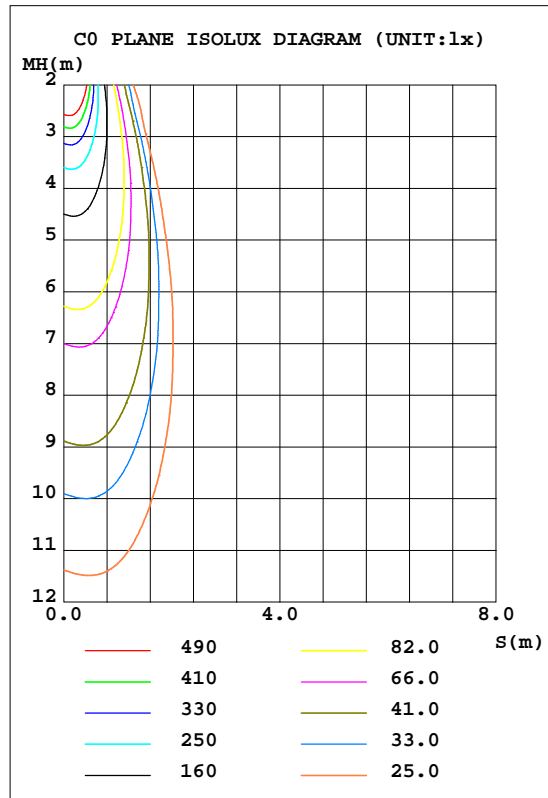
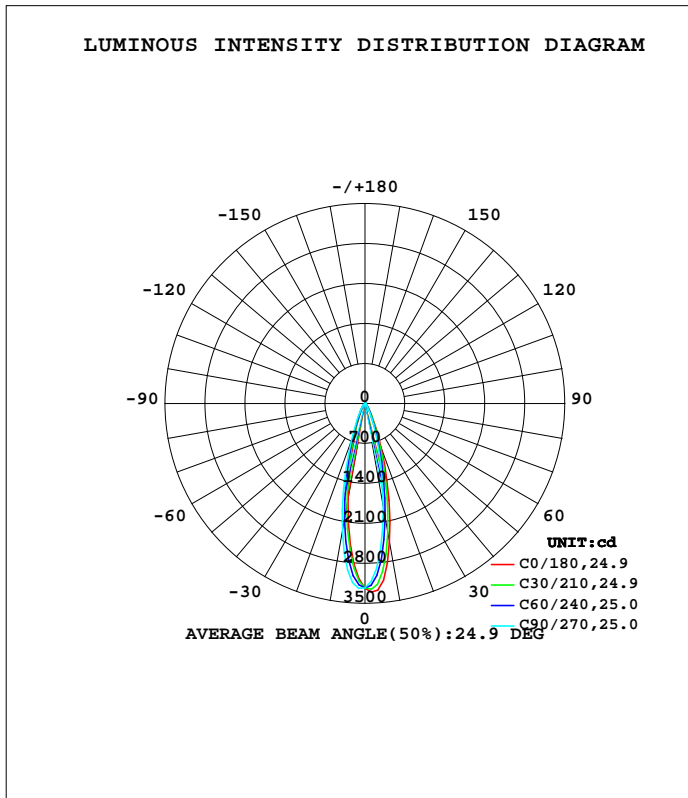


LUMINAIRE PHOTOMETRIC TEST REPORT

|  |       |                  |
|--|-------|------------------|
| Test:U:230.68V I:0.0496A P:10.746W PF:0.9384 Freq:49.99Hz Lamp Flux:850.012x1 lm |       |                  |
| NAME: New guns 9W LED track light  | TYPE: | WEIGHT:          |
| SPEC.:   | DIM.: | SERIAL No.:      |
| MFR.: CG LIGHTING  | SUR.: | Shielding Angle: |

| DATA OF LAMP     |           | PHOTOMETRIC DATA      |        |                    |  | Eff: 79.10 lm/W |
|------------------|-----------|-----------------------|--------|--------------------|--|-----------------|
| MODEL            | 1907ED-N7 | I <sub>max</sub> (cd) | 3310   | S/MH(C0/180)       |  | 0.36            |
| NOMINAL POWER(W) |           | LOR(%)                | 100.0  | S/MH(C90/270)      |  | 0.46            |
| RATED VOLTAGE(V) | 230       | TOTAL FLUX(lm)        | 850.01 | h UP, DN(C0-180)   |  | 0.0,46.7        |
| NOMINAL FLUX(lm) | 850.012   | CIE CLASS             | DIRECT | h UP, DN(C180-360) |  | 0.0,53.3        |
| LAMPS INSIDE     | 1         | h up(%)               | 0.0    | CIBSE SHR NOM      |  | 0.00            |
| TEST VOLTAGE(V)  | 230       | h down(%)             | 100.0  | CIBSE SHR MAX      |  | 1.00            |



C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LQL  
 Test Date:27 June 2023

Range: 0 - 90DEG  
 Interval: 2.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.403  
 Humidity:65.0%  
 Test Distance:10.365m [K=1.0000]  
 Remarks: ZG1BGX30KH0 CC10W500

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

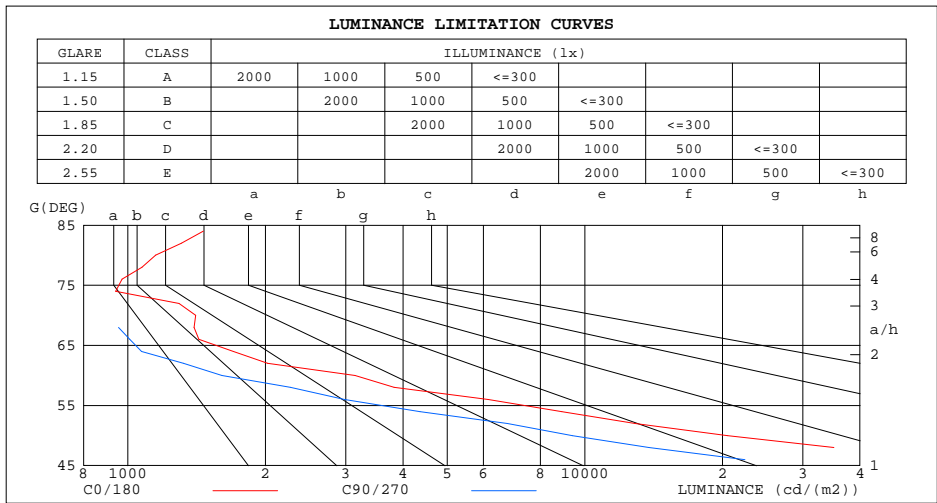
| g   | C0                    | C45    | C90    | C135   | C180   | C225   | C270   | C315   | g       | F zone  | F total | %lum,lamp |
|-----|-----------------------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|-----------|
| 10  | 2478                  | 2177   | 1866   | 1682   | 1716   | 1950   | 2277   | 2525   | 0- 10   | 250.6   | 250.6   | 29.5,29.5 |
| 20  | 850.1                 | 684.8  | 535.2  | 456.9  | 479.4  | 561.7  | 714.3  | 864.1  | 10- 20  | 341.5   | 592.1   | 69.7,69.7 |
| 30  | 233.6                 | 187.0  | 154.3  | 132.5  | 137.8  | 164.4  | 200.4  | 233.3  | 20- 30  | 157.3   | 749.4   | 88.2,88.2 |
| 40  | 78.07                 | 65.07  | 54.69  | 48.32  | 50.48  | 61.10  | 73.95  | 83.64  | 30- 40  | 68.93   | 818.4   | 96.3,96.3 |
| 50  | 16.58                 | 10.80  | 7.579  | 6.074  | 6.287  | 8.388  | 13.17  | 18.12  | 40- 50  | 26.55   | 844.9   | 99.4,99.4 |
| 60  | 1.972                 | 1.310  | 1.010  | 0.9997 | 1.068  | 1.184  | 1.655  | 1.983  | 50- 60  | 3.936   | 848.8   | 99.9,99.9 |
| 70  | 0.6051                | 0.4830 | 0.3242 | 0.2733 | 0.2580 | 0.3652 | 0.5757 | 0.5458 | 60- 70  | 0.7549  | 849.6   | 100,100   |
| 80  | 0.2510                | 0.2102 | 0.1253 | 0.1402 | 0.1032 | 0.1512 | 0.2361 | 0.2248 | 70- 80  | 0.2890  | 849.9   | 100,100   |
| 90  | 0.0885                | 0.0664 | 0.0664 | 0.0627 | 0.0590 | 0.0553 | 0.0664 | 0.0701 | 80- 90  | 0.1191  | 850.0   | 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: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LQL  
 Test Date:27 June 2023

g Range: 0 - 90DEG  
 Interval: 2.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.403  
 Humidity:65.0%  
 Test Distance:10.365m [K=1.0000]  
 Remarks: ZG1BGX30KH0 CC10W500

LUMINANCE LIMITATION CURVES

|  |       |                  |
|--|-------|------------------|
| Test:U:230.68V I:0.0496A P:10.746W PF:0.9384 Freq:49.99Hz Lamp Flux:850.012x1 lm |       |                  |
| NAME: New guns 9W LED track light  | TYPE: | WEIGHT:          |
| SPEC.:   | DIM.: | SERIAL No.:      |
| MFR.: CG LIGHTING  | SUR.: | Shielding Angle: |



| LUMINANCE cd/(m2) |        |         |
|-------------------|--------|---------|
| G(DEG)            | C0/180 | C90/270 |
| 85                | 1754   | 808     |
| 80                | 1151   | 575     |
| 75                | 1002   | 749     |
| 70                | 1409   | 755     |
| 65                | 1768   | 1111    |
| 60                | 3141   | 1608    |
| 55                | 9129   | 4468    |
| 50                | 20538  | 9388    |
| 45                | 59808  | 37322   |

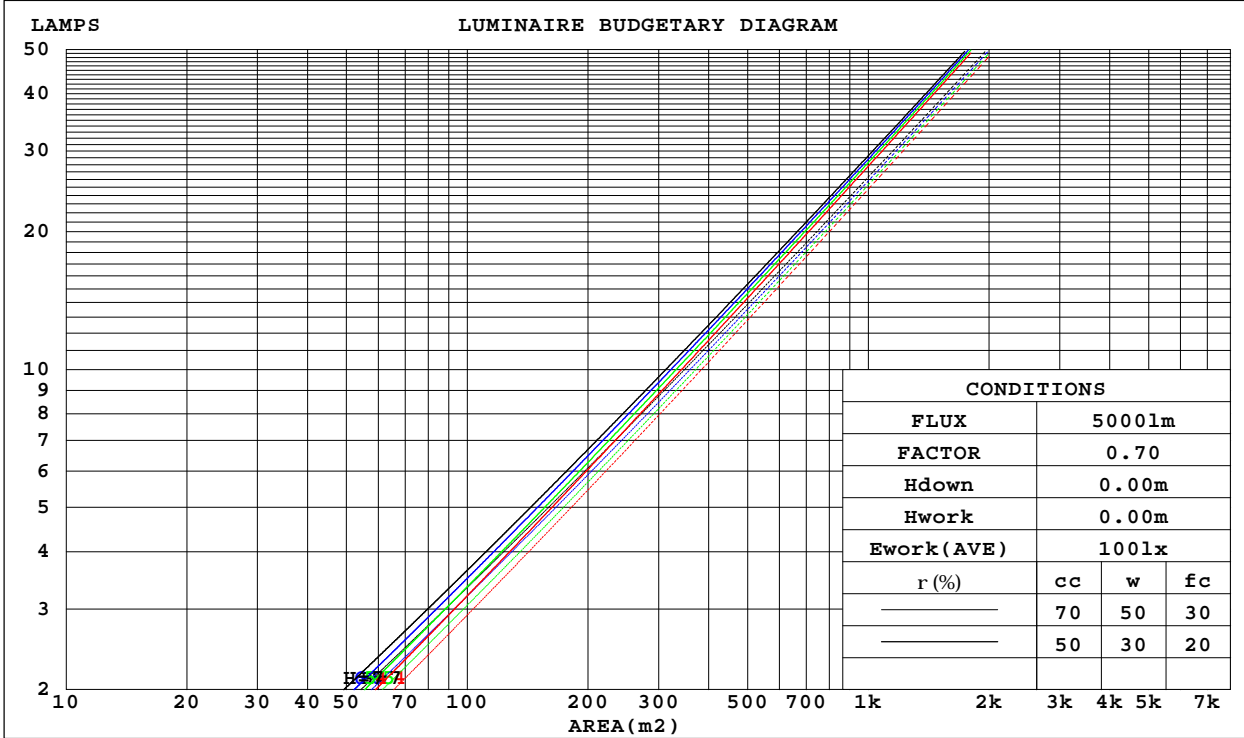
C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LQL  
 Test Date:27 June 2023

G Range: 0 - 90DEG  
 G Interval: 2.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.403  
 Humidity:65.0%  
 Test Distance:10.365m [K=1.0000]  
 Remarks: ZG1BGX30KH0 CC10W500

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|  |       |                  |
|--|-------|------------------|
| Test:U:230.68V I:0.0496A P:10.746W PF:0.9384 Freq:49.99Hz Lamp Flux:850.012x1 lm |       |                  |
| NAME: New guns 9W LED track light  | TYPE: | WEIGHT:          |
| SPEC.:   | DIM.: | SERIAL No.:      |
| MFR.: CG LIGHTING  | SUR.: | Shielding Angle: |

|                 |                       |      |      |      |      |      |                                 |      |      |      |      |      |      |      |      |     |
|-----------------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|-----|
| r <sub>cc</sub> | 80%                   |      |      | 70%  |      |      | 50%                             |      |      | 30%  |      |      | 10%  |      |      | 0   |
| r <sub>w</sub>  | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%                             | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0   |
| r <sub>fc</sub> | 20%                   |      |      | 20%  |      |      | 20%                             |      |      | 20%  |      |      | 20%  |      |      | 0   |
| RCR             | RCR:Room Cavity Ratio |      |      |      |      |      | Coefficients of Utilization(CU) |      |      |      |      |      |      |      |      |     |
| 0.0             | 1.19                  | 1.19 | 1.19 | 1.16 | 1.16 | 1.16 | 1.11                            | 1.11 | 1.11 | 1.06 | 1.06 | 1.06 | 1.02 | 1.02 | 1.02 | .00 |
| 1.0             | 1.12                  | 1.10 | 1.08 | 1.10 | 1.08 | 1.07 | 1.06                            | 1.05 | 1.03 | 1.03 | 1.01 | 1.00 | .99  | .98  | .98  | .96 |
| 2.0             | 1.06                  | 1.03 | 1.00 | 1.05 | 1.02 | .99  | 1.02                            | .99  | .97  | .99  | .97  | .95  | .96  | .95  | .93  | .92 |
| 3.0             | 1.01                  | .97  | .94  | .90  | .96  | .93  | .97                             | .94  | .92  | .95  | .93  | .91  | .93  | .91  | .89  | .88 |
| 4.0             | .97                   | .92  | .89  | .96  | .92  | .88  | .94                             | .90  | .87  | .92  | .89  | .86  | .90  | .88  | .86  | .84 |
| 5.0             | .92                   | .88  | .85  | .92  | .87  | .84  | .90                             | .86  | .84  | .88  | .85  | .83  | .87  | .84  | .82  | .81 |
| 6.0             | .89                   | .84  | .81  | .88  | .84  | .81  | .87                             | .83  | .80  | .85  | .82  | .80  | .84  | .81  | .79  | .78 |
| 7.0             | .85                   | .81  | .77  | .85  | .80  | .77  | .84                             | .80  | .77  | .82  | .79  | .76  | .81  | .78  | .76  | .75 |
| 8.0             | .82                   | .78  | .74  | .82  | .77  | .74  | .81                             | .77  | .74  | .80  | .76  | .74  | .79  | .76  | .73  | .72 |
| 9.0             | .79                   | .75  | .72  | .79  | .75  | .72  | .78                             | .74  | .71  | .77  | .74  | .71  | .77  | .73  | .71  | .70 |
| 10.0            | .77                   | .72  | .69  | .76  | .72  | .69  | .76                             | .72  | .69  | .75  | .71  | .69  | .74  | .71  | .69  | .68 |



C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LQL  
 Test Date:27 June 2023

Range: 0 - 90DEG  
 Interval: 2.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.403  
 Humidity:65.0%  
 Test Distance:10.365m [K=1.0000]  
 Remarks: ZG1BGX30KH0 CC10W500

WEC AND CCEC

|  |       |                  |
|--|-------|------------------|
| Test:U:230.68V I:0.0496A P:10.746W PF:0.9384 Freq:49.99Hz Lamp Flux:850.012x1 lm |       |                  |
| NAME: New guns 9W LED track light  | TYPE: | WEIGHT:          |
| SPEC.:   | DIM.: | SERIAL No.:      |
| MFR.: CG LIGHTING  | SUR.: | Shielding 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  | .147                  | .084 | .027 | .140 | .080 | .025 | .128                            | .073 | .023 | .117 | .067 | .022 | .106 | .061 | .020 |   |
| 2.0  | .138                  | .076 | .023 | .132 | .073 | .022 | .122                            | .068 | .021 | .113 | .063 | .020 | .104 | .059 | .019 |   |
| 3.0  | .130                  | .069 | .021 | .125 | .067 | .020 | .116                            | .063 | .019 | .108 | .059 | .018 | .101 | .056 | .017 |   |
| 4.0  | .122                  | .063 | .019 | .118 | .062 | .018 | .111                            | .059 | .018 | .104 | .056 | .017 | .098 | .053 | .016 |   |
| 5.0  | .116                  | .059 | .017 | .112 | .058 | .017 | .106                            | .055 | .016 | .100 | .053 | .016 | .095 | .051 | .015 |   |
| 6.0  | .110                  | .055 | .016 | .107 | .054 | .016 | .101                            | .052 | .015 | .096 | .050 | .015 | .092 | .048 | .014 |   |
| 7.0  | .104                  | .052 | .015 | .102 | .051 | .014 | .097                            | .049 | .014 | .093 | .048 | .014 | .089 | .046 | .014 |   |
| 8.0  | .100                  | .049 | .014 | .098 | .048 | .014 | .093                            | .047 | .013 | .089 | .045 | .013 | .086 | .044 | .013 |   |
| 9.0  | .095                  | .046 | .013 | .093 | .046 | .013 | .090                            | .044 | .013 | .086 | .043 | .012 | .083 | .042 | .012 |   |
| 10.0 | .091                  | .044 | .012 | .090 | .043 | .012 | .086                            | .042 | .012 | .083 | .041 | .012 | .080 | .040 | .012 |   |

| 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  | .190                  | .190 | .190 | .163 | .163 | .163 | .111                                       | .111 | .111 | .064 | .064 | .064 | .020 | .020 | .020 |   |
| 1.0  | .169                  | .158 | .147 | .145 | .135 | .127 | .099                                       | .093 | .088 | .057 | .054 | .051 | .018 | .017 | .016 |   |
| 2.0  | .152                  | .133 | .117 | .130 | .114 | .101 | .089                                       | .079 | .070 | .051 | .046 | .041 | .016 | .015 | .013 |   |
| 3.0  | .137                  | .113 | .094 | .118 | .098 | .082 | .081                                       | .068 | .057 | .047 | .040 | .034 | .015 | .013 | .011 |   |
| 4.0  | .126                  | .098 | .077 | .108 | .085 | .067 | .074                                       | .059 | .047 | .043 | .035 | .028 | .014 | .011 | .009 |   |
| 5.0  | .116                  | .086 | .064 | .099 | .074 | .056 | .068                                       | .052 | .039 | .040 | .031 | .023 | .013 | .010 | .008 |   |
| 6.0  | .107                  | .076 | .054 | .092 | .066 | .047 | .063                                       | .046 | .033 | .037 | .027 | .020 | .012 | .009 | .007 |   |
| 7.0  | .100                  | .068 | .046 | .086 | .059 | .040 | .059                                       | .041 | .028 | .034 | .024 | .017 | .011 | .008 | .006 |   |
| 8.0  | .094                  | .062 | .040 | .080 | .053 | .035 | .056                                       | .038 | .025 | .032 | .022 | .015 | .010 | .007 | .005 |   |
| 9.0  | .088                  | .056 | .034 | .076 | .049 | .030 | .053                                       | .034 | .021 | .031 | .020 | .013 | .010 | .007 | .004 |   |
| 10.0 | .083                  | .051 | .030 | .072 | .045 | .026 | .050                                       | .031 | .019 | .029 | .019 | .011 | .009 | .006 | .004 |   |

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LQL  
 Test Date:27 June 2023

g Range: 0 - 90DEG  
 g Interval: 2.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.403  
 Humidity:65.0%  
 Test Distance:10.365m [K=1.0000]  
 Remarks: ZG1BGX30KH0 CC10W500

UGR(Unified Glare Rating) Table

|  |                  |      |      |      |       |                |      |                  |      |      |
|--|------------------|------|------|------|-------|----------------|------|------------------|------|------|
| Test:U:230.68V I:0.0496A P:10.746W PF:0.9384 Freq:49.99Hz Lamp Flux:850.012x1 lm |                  |      |      |      |       |                |      |                  |      |      |
| NAME: New guns 9W LED track light  |                  |      |      |      | TYPE: |                |      | WEIGHT:          |      |      |
| SPEC.:   |                  |      |      |      | DIM.: |                |      | SERIAL No.:      |      |      |
| MFR.: CG LIGHTING  |                  |      |      |      | SUR.: |                |      | 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  | 18.8             | 19.5 | 19.0 | 19.7 | 19.8  | 16.9           | 17.6 | 17.1             | 17.8 | 18.0 |
| 3H   | 18.7             | 19.3 | 18.9 | 19.5 | 19.7  | 16.8           | 17.4 | 17.0             | 17.6 | 17.8 |
| 4H   | 18.6             | 19.2 | 18.8 | 19.4 | 19.6  | 16.7           | 17.3 | 16.9             | 17.5 | 17.7 |
| 6H   | 18.5             | 19.1 | 18.8 | 19.3 | 19.6  | 16.6           | 17.2 | 16.9             | 17.4 | 17.7 |
| 8H   | 18.5             | 19.0 | 18.8 | 19.3 | 19.5  | 16.6           | 17.1 | 16.9             | 17.4 | 17.6 |
| 12H  | 18.4             | 19.0 | 18.7 | 19.2 | 19.5  | 16.5           | 17.1 | 16.8             | 17.3 | 17.6 |
| 4H 2H  | 18.6             | 19.2 | 18.8 | 19.4 | 19.6  | 16.7           | 17.3 | 17.0             | 17.5 | 17.8 |
| 3H   | 18.4             | 19.0 | 18.7 | 19.2 | 19.5  | 16.5           | 17.1 | 16.8             | 17.3 | 17.6 |
| 4H   | 18.3             | 18.8 | 18.7 | 19.1 | 19.4  | 16.4           | 16.9 | 16.8             | 17.2 | 17.5 |
| 6H   | 18.2             | 18.7 | 18.6 | 19.0 | 19.3  | 16.3           | 16.8 | 16.7             | 17.1 | 17.5 |
| 8H   | 18.2             | 18.6 | 18.6 | 18.9 | 19.3  | 16.3           | 16.7 | 16.7             | 17.0 | 17.4 |
| 12H  | 18.1             | 18.5 | 18.5 | 18.9 | 19.3  | 16.2           | 16.6 | 16.6             | 17.0 | 17.4 |
| 8H 4H  | 18.2             | 18.6 | 18.6 | 18.9 | 19.3  | 16.3           | 16.7 | 16.7             | 17.0 | 17.4 |
| 6H   | 18.1             | 18.4 | 18.5 | 18.8 | 19.2  | 16.2           | 16.5 | 16.6             | 16.9 | 17.3 |
| 8H   | 18.0             | 18.3 | 18.5 | 18.7 | 19.2  | 16.1           | 16.4 | 16.6             | 16.8 | 17.3 |
| 12H  | 18.0             | 18.2 | 18.4 | 18.7 | 19.1  | 16.1           | 16.3 | 16.5             | 16.8 | 17.2 |
| 12H 4H   | 18.1             | 18.5 | 18.5 | 18.9 | 19.3  | 16.2           | 16.6 | 16.6             | 17.0 | 17.4 |
| 6H   | 18.0             | 18.3 | 18.4 | 18.7 | 19.2  | 16.1           | 16.4 | 16.6             | 16.8 | 17.3 |
| 8H   | 17.9             | 18.2 | 18.4 | 18.7 | 19.1  | 16.1           | 16.3 | 16.5             | 16.8 | 17.2 |
| Variations with the observer position at spacings:                               |                  |      |      |      |       |                |      |                  |      |      |
| S = 1.0H   | + 3.2 / -13.6    |      |      |      |       | + 2.5 / -14.1  |      |                  |      |      |
| 1.5H   | + 4.8 / -11.2    |      |      |      |       | + 4.2 / -11.7  |      |                  |      |      |
| 2.0H   | + 7.6 / -12.7    |      |      |      |       | + 6.9 / -10.1  |      |                  |      |      |

CIE Pub.117, 850.0 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -0.6)

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LQL  
 Test Date:27 June 2023

g Range: 0 - 90DEG  
 g Interval: 2.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.403  
 Humidity:65.0%  
 Test Distance:10.365m [K=1.0000]  
 Remarks: ZG1BGX30KH0 CC10W500

UTILIZATION FACTORS TABLE

|  |       |                  |
|--|-------|------------------|
| Test:U:230.68V I:0.0496A P:10.746W PF:0.9384 Freq:49.99Hz Lamp Flux:850.012x1 lm |       |                  |
| NAME: New guns 9W LED track light  | TYPE: | WEIGHT:          |
| SPEC.:   | DIM.: | SERIAL No.:      |
| MFR.: CG LIGHTING  | SUR.: | Shielding Angle: |

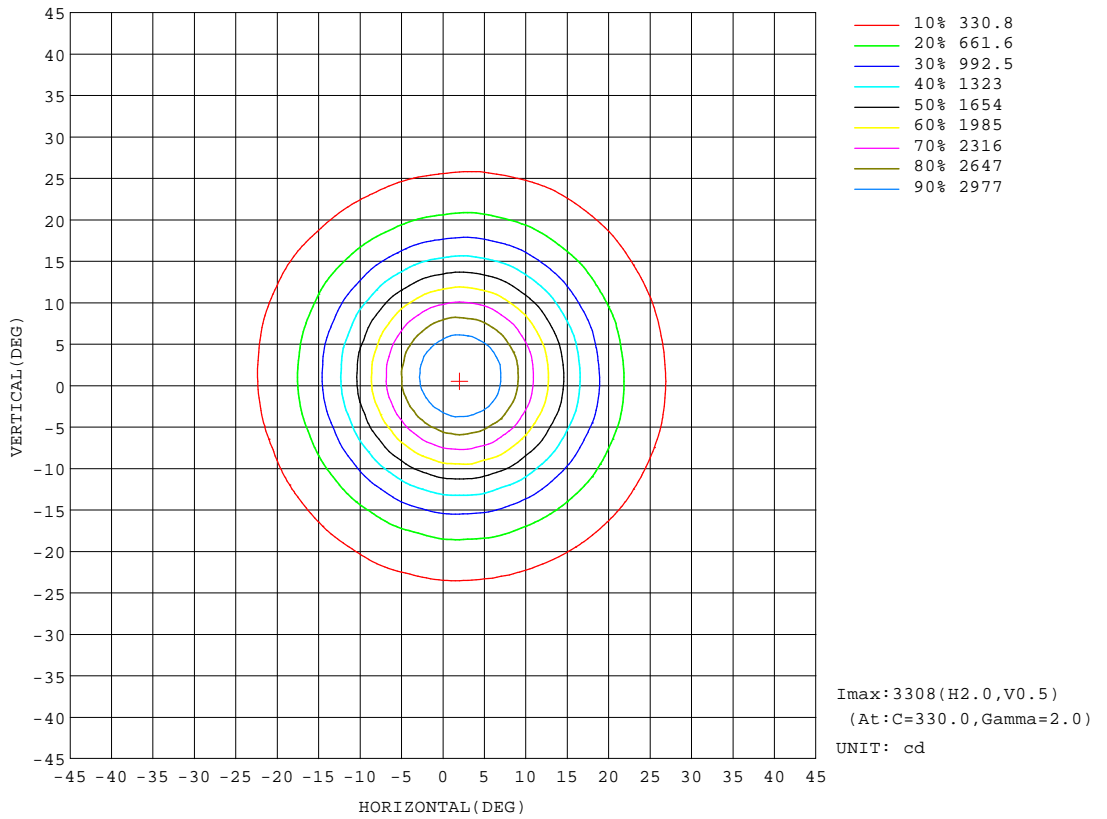
| REFLECTANCE                      |  |     |           |     |     |     |               |     |     |        |
|----------------------------------|--|-----|-----------|-----|-----|-----|---------------|-----|-----|--------|
| Ceiling                          | 0.8  | 0.8 | 0.8       | 0.7 | 0.7 | 0.7 | 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) x RCR = 5 |     |           |     |     |     |               |     |     |        |
| k = 0.60                         | 89   | 83  | 80        | 89  | 83  | 80  | 88            | 83  | 79  | 76     |
| 0.80                             | 96   | 91  | 87        | 96  | 91  | 87  | 95            | 90  | 87  | 83     |
| 1.00                             | 101  | 95  | 92        | 100 | 95  | 92  | 98            | 95  | 91  | 87     |
| 1.25                             | 104  | 99  | 96        | 103 | 99  | 96  | 101           | 98  | 95  | 91     |
| 1.50                             | 107  | 102 | 99        | 106 | 102 | 99  | 104           | 100 | 98  | 94     |
| 2.00                             | 109  | 105 | 102       | 108 | 104 | 102 | 105           | 102 | 100 | 95     |
| 2.50                             | 111  | 107 | 104       | 109 | 106 | 104 | 106           | 104 | 102 | 96     |
| 3.00                             | 112  | 109 | 107       | 111 | 108 | 105 | 107           | 105 | 103 | 97     |
| 4.00                             | 114  | 112 | 110       | 112 | 110 | 108 | 109           | 107 | 105 | 98     |
| 5.00                             | 115  | 113 | 112       | 113 | 111 | 110 | 109           | 108 | 107 | 99     |
| ROOM INDEX                       | UF(total)                                    |     |           |     |     |     |               |     |     | Direct |
| According to DIN EN 13032-2 2004 |  |     | Suspended |     |     |     | SHRNOM = 1.25 |     |     |        |

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LQL  
 Test Date:27 June 2023

g Range: 0 - 90DEG  
 Interval: 2.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.403  
 Humidity:65.0%  
 Test Distance:10.365m [K=1.0000]  
 Remarks: ZG1BGX30KH0 CC10W500

ISOCANDELA DIAGRAM

|  |       |                  |
|--|-------|------------------|
| Test:U:230.68V I:0.0496A P:10.746W PF:0.9384 Freq:49.99Hz Lamp Flux:850.012x1 lm |       |                  |
| NAME: New guns 9W LED track light  | TYPE: | WEIGHT:          |
| SPEC.:   | DIM.: | SERIAL No.:      |
| MFR.: CG LIGHTING  | SUR.: | Shielding Angle: |



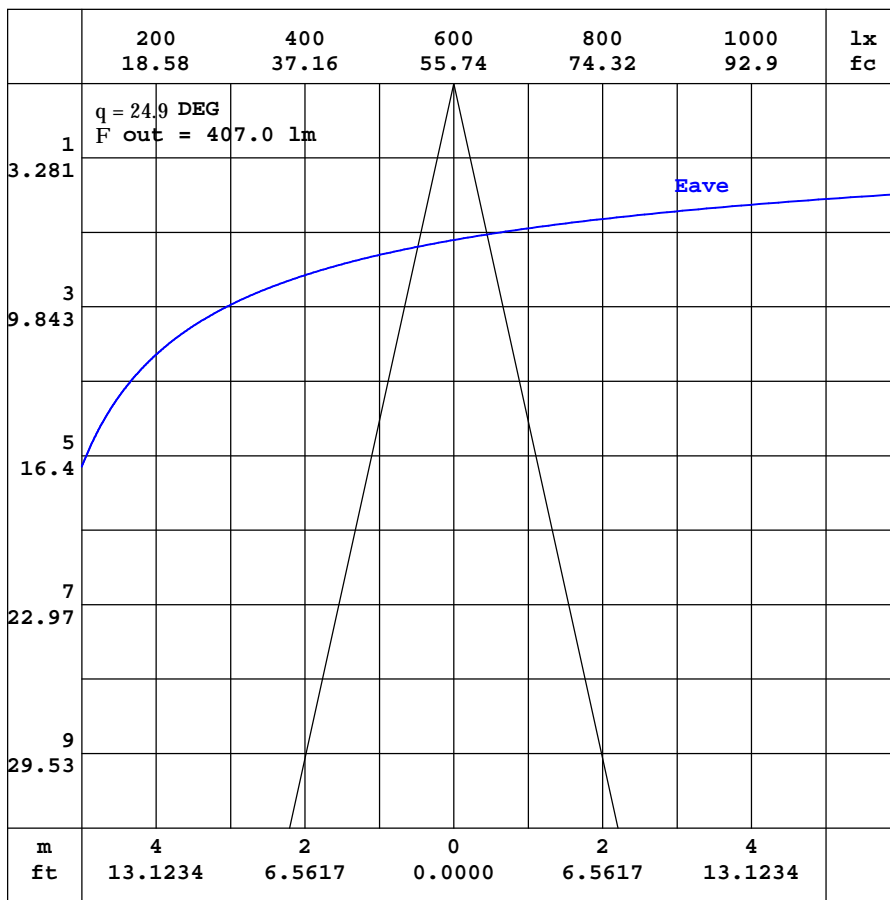
C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: LQL  
 Test Date: 27 June 2023

Range: 0 - 90DEG  
 Interval: 2.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.403  
 Humidity: 65.0%  
 Test Distance: 10.365m [K=1.0000]  
 Remarks: ZG1BGX30KH0 CC10W500



AAI CURVES

|  |       |                  |
|--|-------|------------------|
| Test:U:230.68V I:0.0496A P:10.746W PF:0.9384 Freq:49.99Hz Lamp Flux:850.012x1 lm |       |                  |
| NAME: New guns 9W LED track light  | TYPE: | WEIGHT:          |
| SPEC.:   | DIM.: | SERIAL No.:      |
| MFR.: CG LIGHTING  | SUR.: | Shielding Angle: |



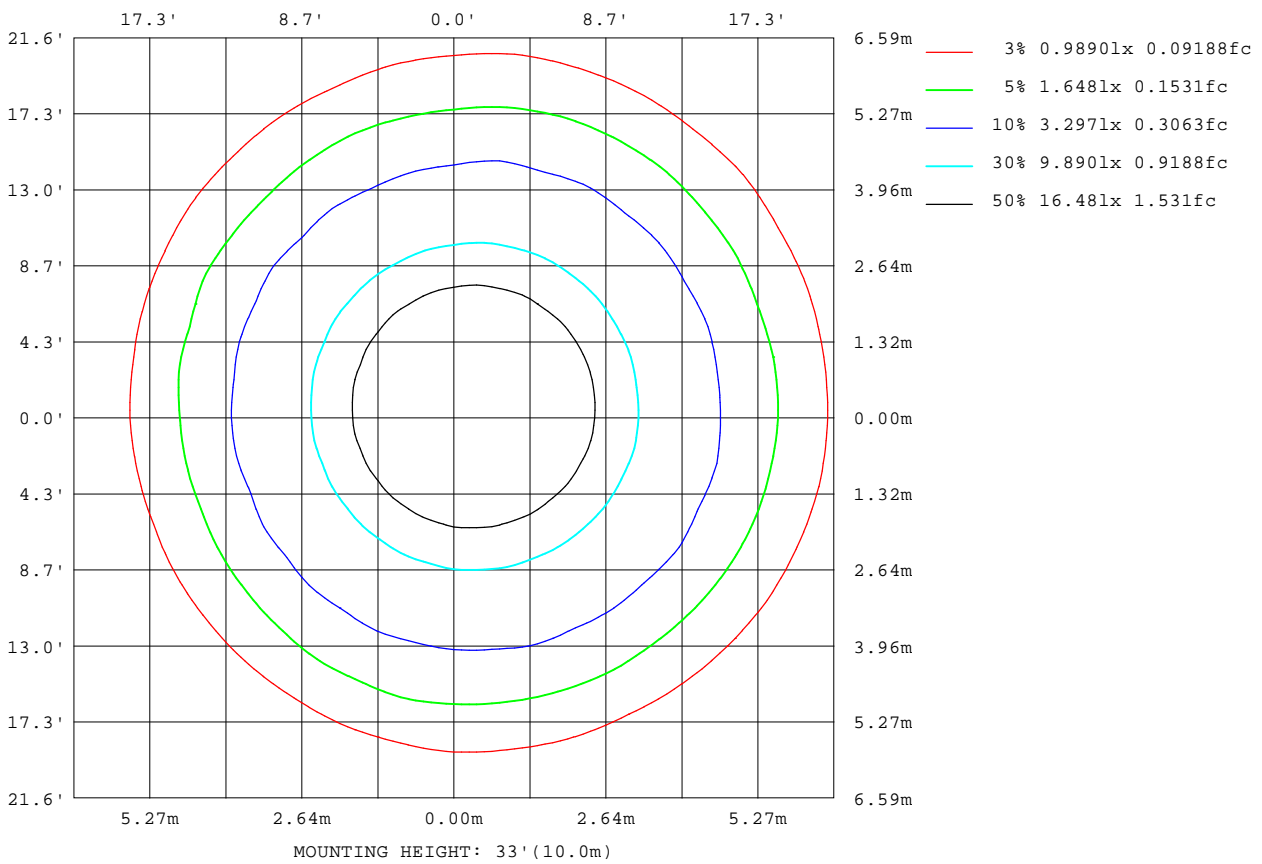
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LQL  
 Test Date:27 June 2023

Range: 0 - 90DEG  
 Interval: 2.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.403  
 Humidity:65.0%  
 Test Distance:10.365m [K=1.0000]  
 Remarks: ZG1BGX30KH0 CC10W500

**ISOLUX DIAGRAM**

|  |       |                  |
|--|-------|------------------|
| Test:U:230.68V I:0.0496A P:10.746W PF:0.9384 Freq:49.99Hz Lamp Flux:850.012x1 lm |       |                  |
| NAME: New guns 9W LED track light  | TYPE: | WEIGHT:          |
| SPEC.:   | DIM.: | SERIAL No.:      |
| MFR.: CG LIGHTING  | SUR.: | Shielding Angle: |



C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: LQL  
 Test Date: 27 June 2023

Range: 0 - 90DEG  
 Interval: 2.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.403  
 Humidity: 65.0%  
 Test Distance: 10.365m [K=1.0000]  
 Remarks: ZG1BGX30KH0 CC10W500

LED Avg.L Report

|  |       |                  |
|--|-------|------------------|
| Test:U:230.68V I:0.0496A P:10.746W PF:0.9384 Freq:49.99Hz Lamp Flux:850.012x1 lm |       |                  |
| NAME: New guns 9W LED track light  | TYPE: | WEIGHT:          |
| SPEC.:   | DIM.: | SERIAL No.:      |
| MFR.: CG LIGHTING  | SUR.: | Shielding Angle: |

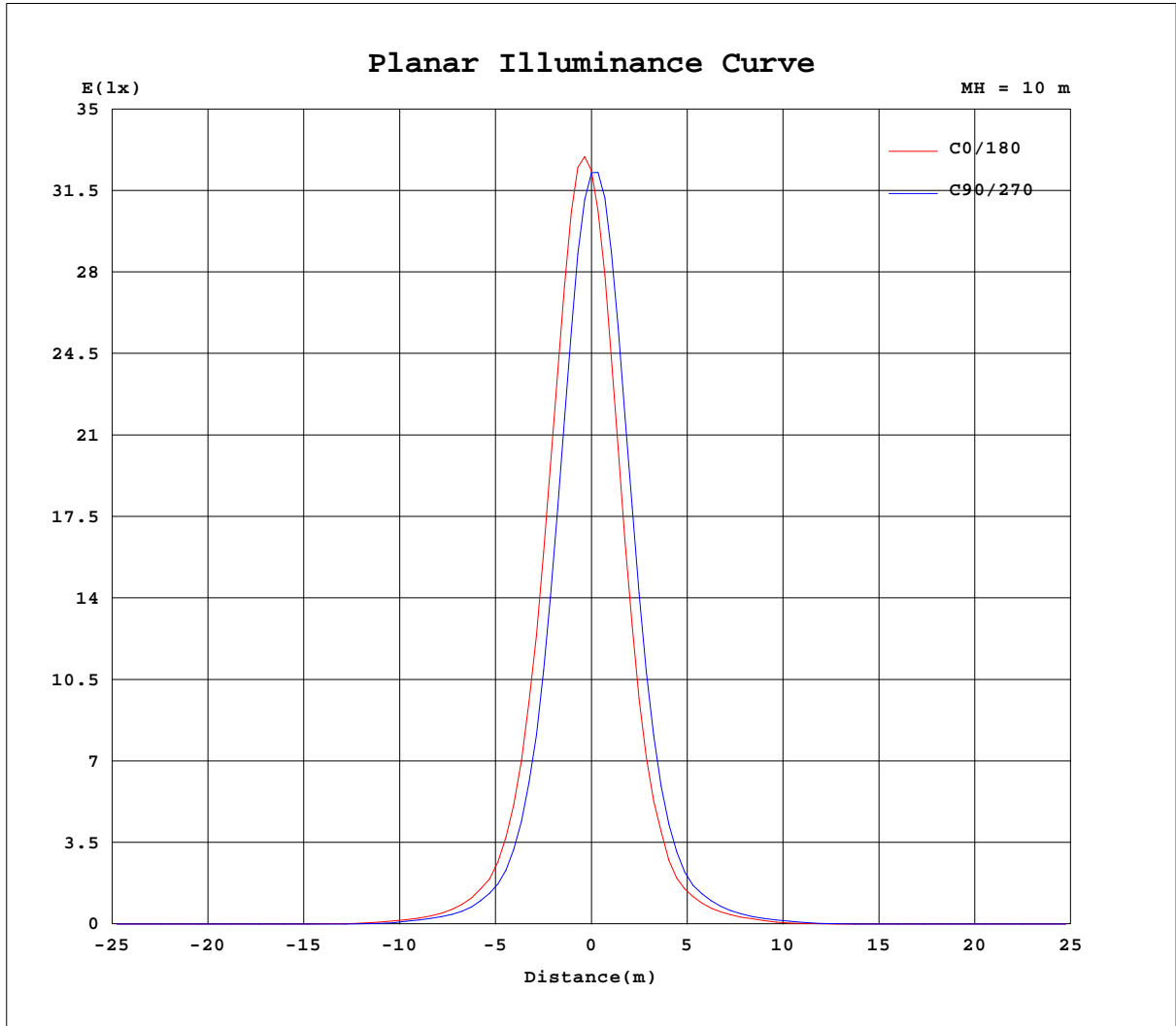
| AvgL           | cd/m2 |
|----------------|-------|
| L_0~180(65)av  | 1371  |
| L_0~180(75)av  | 790   |
| L_0~180(85)av  | 1050  |
| L_90~270(65)av | 1273  |
| L_90~270(75)av | 805   |
| L_90~270(85)av | 936   |
| L_45(65)av     | 1265  |
| L_45(75)av     | 765   |
| L_45(85)av     | 912   |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LQL  
 Test Date:27 June 2023

g Range: 0 - 90DEG  
 g Interval: 2.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.403  
 Humidity:65.0%  
 Test Distance:10.365m [K=1.0000]  
 Remarks: ZG1BGX30KH0 CC10W500

Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: LQL  
 Test Date: 27 June 2023

Page Range: 0 - 90DEG  
 Interval: 2.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.403  
 Humidity: 65.0%  
 Test Distance: 10.365m [K=1.0000]  
 Remarks: ZG1BGX30KH0 CC10W500



LUMINOUS DISTRIBUTION INTENSITY DATA

|  |       |                  |
|--|-------|------------------|
| Test:U:230.68V I:0.0496A P:10.746W PF:0.9384 Freq:49.99Hz Lamp Flux:850.012x1 lm |       |                  |
| NAME: New guns 9W LED track light  | TYPE: | WEIGHT:          |
| SPEC.:   | DIM.: | SERIAL No.:      |
| MFR.: CG LIGHTING  | SUR.: | Shielding Angle: |

Table--2

UNIT: cd

| C(DEG)<br>g (DEG) | 190  | 200  | 210  | 220  | 230  | 240  | 250  | 260  | 270  | 280  | 290  | 300  | 310  | 320  | 330  | 340  | 350  |  |  |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|
| 0                 | 3231 | 3237 | 3227 | 3231 | 3227 | 3227 | 3230 | 3224 | 3227 | 3224 | 3225 | 3228 | 3229 | 3231 | 3234 | 3230 | 3238 |  |  |
| 5                 | 2818 | 2862 | 2882 | 2934 | 2963 | 3022 | 3055 | 3107 | 3142 | 3184 | 3204 | 3247 | 3270 | 3289 | 3296 | 3295 | 3280 |  |  |
| 10                | 1745 | 1804 | 1838 | 1923 | 1978 | 2068 | 2131 | 2218 | 2277 | 2357 | 2413 | 2480 | 2509 | 2542 | 2540 | 2549 | 2511 |  |  |
| 15                | 1087 | 1137 | 1168 | 1240 | 1281 | 1365 | 1414 | 1500 | 1556 | 1634 | 1685 | 1750 | 1765 | 1812 | 1807 | 1810 | 1779 |  |  |
| 20                | 476  | 519  | 519  | 552  | 572  | 606  | 635  | 680  | 714  | 764  | 794  | 836  | 855  | 874  | 870  | 879  | 857  |  |  |
| 25                | 269  | 283  | 294  | 311  | 321  | 340  | 357  | 385  | 408  | 459  | 458  | 502  | 492  | 521  | 500  | 524  | 496  |  |  |
| 30                | 140  | 147  | 153  | 162  | 167  | 175  | 182  | 193  | 200  | 212  | 225  | 226  | 235  | 231  | 237  | 228  | 235  |  |  |
| 35                | 93.6 | 99.1 | 102  | 108  | 112  | 117  | 121  | 128  | 134  | 141  | 146  | 149  | 151  | 156  | 152  | 153  | 151  |  |  |
| 40                | 52.1 | 55.6 | 57.4 | 60.0 | 62.2 | 65.7 | 68.0 | 71.7 | 74.0 | 78.0 | 79.7 | 81.9 | 82.7 | 84.6 | 83.3 | 82.7 | 79.4 |  |  |
| 45                | 26.0 | 29.7 | 31.9 | 36.4 | 38.4 | 41.3 | 42.7 | 46.3 | 48.5 | 52.0 | 53.0 | 55.5 | 55.6 | 56.7 | 55.4 | 55.5 | 54.0 |  |  |
| 50                | 6.47 | 6.90 | 7.33 | 8.11 | 8.66 | 9.83 | 10.7 | 12.2 | 13.2 | 14.9 | 15.6 | 17.4 | 17.6 | 18.6 | 18.0 | 18.4 | 17.2 |  |  |
| 55                | 2.65 | 2.76 | 2.94 | 3.43 | 3.68 | 4.31 | 4.72 | 5.41 | 5.71 | 6.19 | 6.39 | 6.76 | 6.79 | 6.92 | 6.84 | 6.94 | 6.68 |  |  |
| 60                | 1.15 | 1.15 | 1.17 | 1.16 | 1.21 | 1.27 | 1.35 | 1.50 | 1.66 | 1.83 | 1.91 | 1.96 | 1.99 | 1.98 | 2.03 | 2.01 | 1.99 |  |  |
| 65                | 0.77 | 0.71 | 0.77 | 0.71 | 0.79 | 0.75 | 0.84 | 0.80 | 0.89 | 0.85 | 0.93 | 0.88 | 0.92 | 0.89 | 0.92 | 0.88 | 0.91 |  |  |
| 70                | 0.32 | 0.27 | 0.34 | 0.33 | 0.40 | 0.43 | 0.52 | 0.48 | 0.58 | 0.53 | 0.60 | 0.53 | 0.59 | 0.50 | 0.56 | 0.49 | 0.58 |  |  |
| 75                | 0.27 | 0.23 | 0.29 | 0.23 | 0.28 | 0.22 | 0.30 | 0.22 | 0.30 | 0.23 | 0.32 | 0.25 | 0.31 | 0.24 | 0.33 | 0.26 | 0.33 |  |  |
| 80                | 0.17 | 0.11 | 0.18 | 0.11 | 0.19 | 0.13 | 0.21 | 0.15 | 0.24 | 0.18 | 0.23 | 0.20 | 0.24 | 0.21 | 0.25 | 0.21 | 0.24 |  |  |
| 85                | 0.10 | 0.05 | 0.12 | 0.07 | 0.13 | 0.09 | 0.13 | 0.10 | 0.14 | 0.11 | 0.17 | 0.10 | 0.16 | 0.11 | 0.17 | 0.11 | 0.18 |  |  |
| 90                | 0.06 | 0.06 | 0.06 | 0.05 | 0.06 | 0.05 | 0.05 | 0.05 | 0.07 | 0.05 | 0.06 | 0.04 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 |  |  |

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LQL  
 Test Date:27 June 2023

g Range: 0 - 90DEG  
 Interval: 2.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.403  
 Humidity:65.0%  
 Test Distance:10.365m [K=1.0000]  
 Remarks: ZG1BGX30KH0 CC10W500