

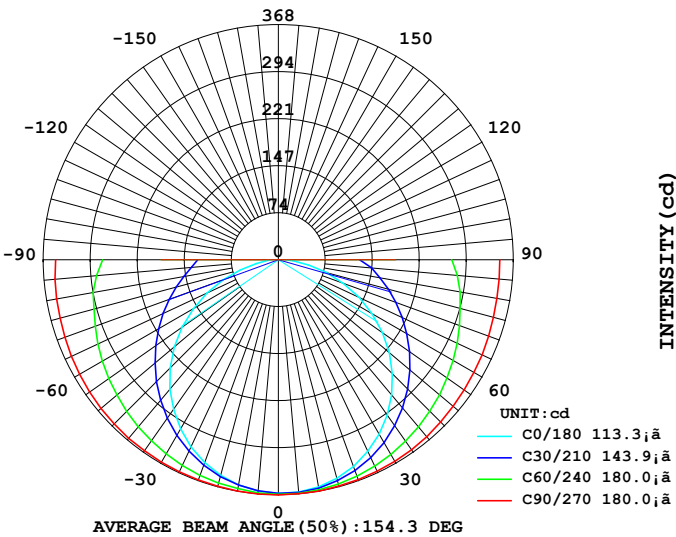
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

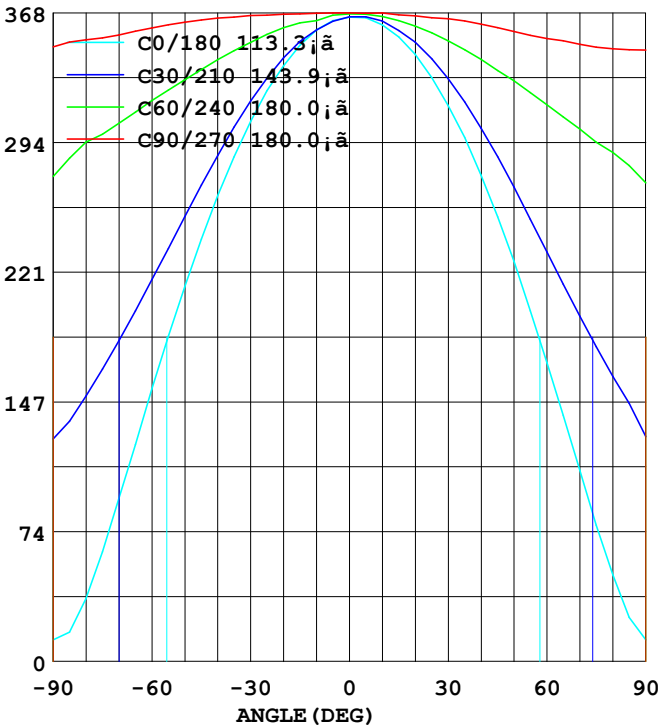
|                                                                      |                           |             |
|----------------------------------------------------------------------|---------------------------|-------------|
| MANUFACTURER: DIVINITY LIGHTS                                        |                           |             |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019 |                           |             |
| NAME: CYLIN GLOW                                                     | TYPE: 3000K CRI-90        | WEIGHT:     |
| SPECIFICATION:                                                       | DIMENSION: L-1200 D-32 MM | SERIAL No.: |

|                   |            |                    |        |                   |       |
|-------------------|------------|--------------------|--------|-------------------|-------|
| DATA OF LAMP      |            | Imax (cd)          | 368.5  | S/MH (C0/180)     | 1.25  |
| MODEL             | CYLIN GLOW | EFFICIENCY (%)     | 100.0  | S/MH (C90/270)    | 1.52  |
| NOMINAL POWER (W) | 20         | TOTAL FLUX (lm)    | 1703.9 | Voltage (V)       | 219.8 |
| RATED VOLTAGE (V) | 220        | EFFICIENCY (lm/W)  | 86.1   | Current (A)       | 0.092 |
| NOMINAL FLUX (lm) | 1704.0     | $\eta$ up (%)      | 0.0    | Power (W)         | 19.79 |
| LAMPS QUANTITY    | 1          | $\eta$ down (%)    | 100.0  | Power Factor (PF) | 0.978 |
| TEST VOLTAGE (V)  | 219.8      | Effictive Flux(lm) | 1701.3 | EEI               | 0.159 |

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:05-31-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:10.000 m  
Remarks: 3000K

Color Temperature Data List

Report number:

|                                                                      |                           |             |
|----------------------------------------------------------------------|---------------------------|-------------|
| MANUFACTURER: DIVINITY LIGHTS                                        |                           |             |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019 |                           |             |
| NAME: CYLIN GLOW                                                     | TYPE: 3000K CRI-90        | WEIGHT:     |
| SPECIFICATION:                                                       | DIMENSION: L-1200 D-32 MM | SERIAL No.: |

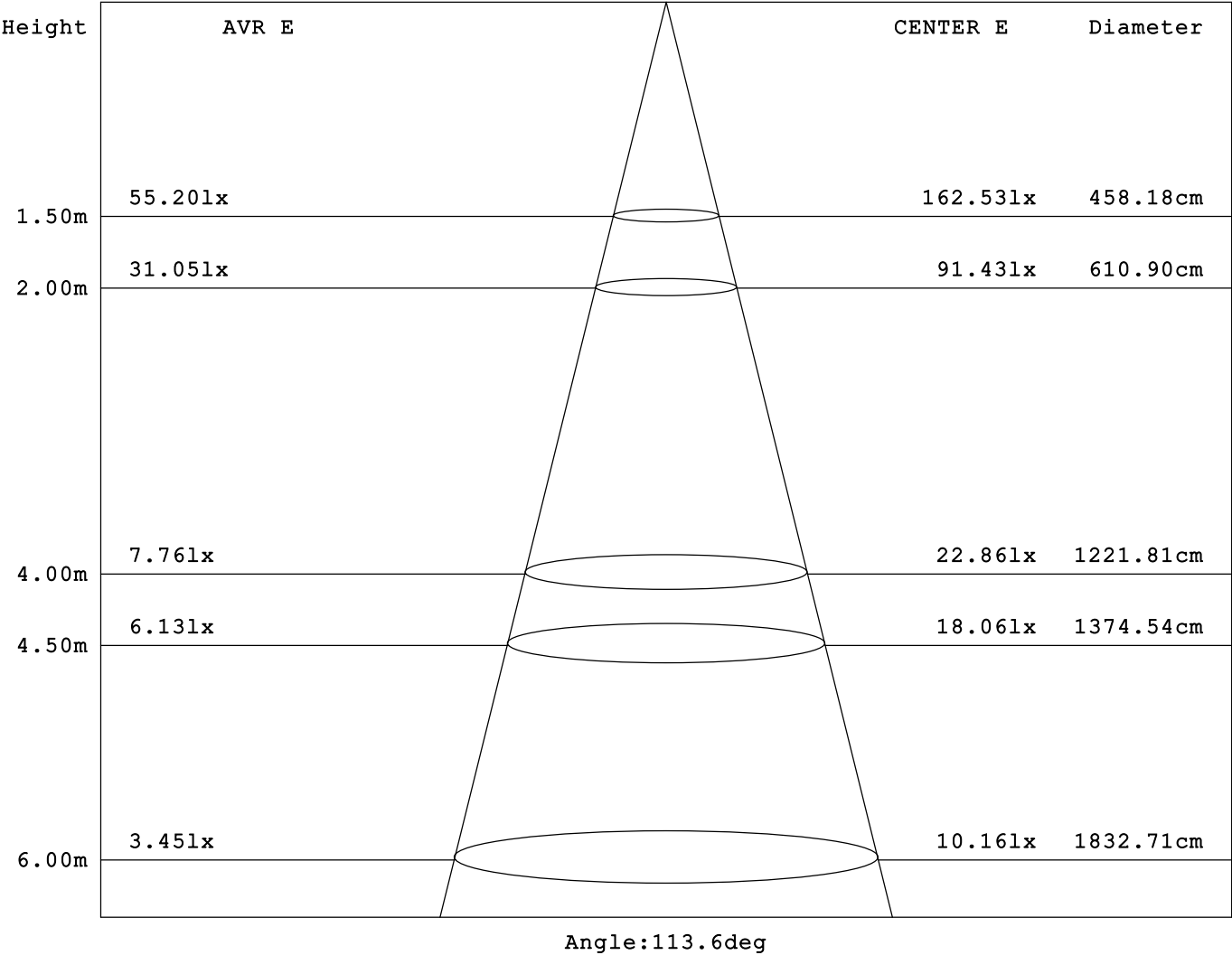
Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:05-31-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:10.000 m  
Remarks: 3000K

AVERAGE AND CENTER E Figure

Report number:

|                                                                      |                           |             |
|----------------------------------------------------------------------|---------------------------|-------------|
| MANUFACTURER: DIVINITY LIGHTS                                        |                           |             |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019 |                           |             |
| NAME: CYLIN GLOW                                                     | TYPE: 3000K CRI-90        | WEIGHT:     |
| SPECIFICATION:                                                       | DIMENSION: L-1200 D-32 MM | SERIAL No.: |



Test System:HOPOO HPG1800

Temperature:25.3DEG

Operators:

Test Date:05-31-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)

Humidity:65.0%

Test Distance:10.000 m

Remarks: 3000K

ZONAL FLUX DIAGRAM

Report number:

|                                                                      |                           |             |
|----------------------------------------------------------------------|---------------------------|-------------|
| MANUFACTURER: DIVINITY LIGHTS                                        |                           |             |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019 |                           |             |
| NAME: CYLIN GLOW                                                     | TYPE: 3000K CRI-90        | WEIGHT:     |
| SPECIFICATION:                                                       | DIMENSION: L-1200 D-32 MM | SERIAL No.: |

| γ     | C0                    | C45   | C90   | C135  | C180  | C225  | C270  | C315  | γ       | Zone    | total |
|-------|-----------------------|-------|-------|-------|-------|-------|-------|-------|---------|---------|-------|
| 10.0  | 358.4                 | 361.0 | 367.8 | 364.7 | 361.2 | 364.7 | 368.1 | 364.2 | 0- 10   | 34.88   | 34.88 |
| 20.0  | 338.1                 | 351.0 | 367.1 | 355.5 | 344.6 | 356.0 | 366.3 | 353.6 | 10- 20  | 101.7   | 136.6 |
| 30.0  | 306.3                 | 334.6 | 366.5 | 340.9 | 315.5 | 341.5 | 364.7 | 337.2 | 20- 30  | 160.2   | 296.8 |
| 40.0  | 264.2                 | 314.2 | 365.1 | 321.5 | 275.8 | 322.1 | 361.6 | 316.3 | 30- 40  | 206.1   | 503.0 |
| 50.0  | 212.5                 | 291.2 | 362.7 | 299.0 | 227.0 | 299.4 | 357.3 | 292.6 | 40- 50  | 236.7   | 739.8 |
| 60.0  | 154.4                 | 267.4 | 359.5 | 274.6 | 169.5 | 274.0 | 353.3 | 267.2 | 50- 60  | 251.3   | 991.2 |
| 70.0  | 92.40                 | 243.5 | 355.5 | 249.6 | 108.4 | 248.9 | 350.2 | 242.3 | 60- 70  | 251.2   | 1242  |
| 80.0  | 35.50                 | 222.6 | 352.6 | 225.7 | 49.09 | 225.2 | 347.6 | 220.0 | 70- 80  | 239.6   | 1482  |
| 90.0  | 12.30                 | 200.7 | 348.7 | 200.4 | 12.20 | 199.5 | 347.0 | 197.0 | 80- 90  | 221.8   | 1704  |
| 100.0 |                       |       |       |       |       |       |       |       | 90-100  |         |       |
| 110.0 |                       |       |       |       |       |       |       |       | 100-110 |         |       |
| 120.0 |                       |       |       |       |       |       |       |       | 110-120 |         |       |
| 130.0 |                       |       |       |       |       |       |       |       | 120-130 |         |       |
| 140.0 |                       |       |       |       |       |       |       |       | 130-140 |         |       |
| 150.0 |                       |       |       |       |       |       |       |       | 140-150 |         |       |
| 160.0 |                       |       |       |       |       |       |       |       | 150-160 |         |       |
| 170.0 |                       |       |       |       |       |       |       |       | 160-170 |         |       |
| 180.0 |                       |       |       |       |       |       |       |       | 170-180 |         |       |
| DEG   | LUMINOUS INTENSITY:cd |       |       |       |       |       |       |       |         | UNIT:lm |       |

Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:05-31-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:10.000 m  
Remarks: 3000K

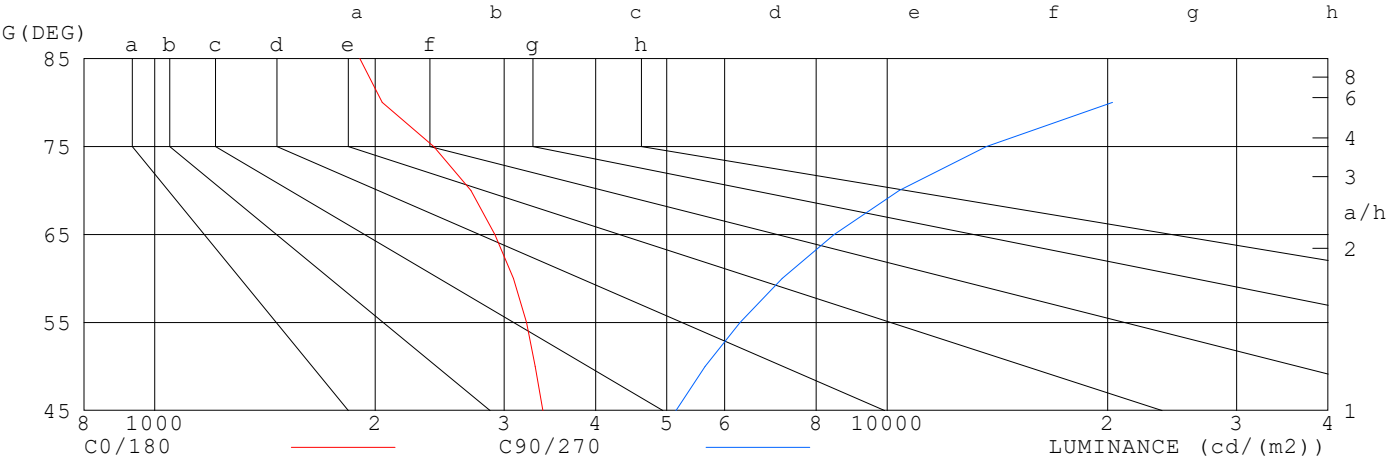
LUMINANCE LIMITATION CURVES

Report number:

|                                                                      |                           |             |
|----------------------------------------------------------------------|---------------------------|-------------|
| MANUFACTURER: DIVINITY LIGHTS                                        |                           |             |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019 |                           |             |
| NAME: CYLIN GLOW                                                     | TYPE: 3000K CRI-90        | WEIGHT:     |
| SPECIFICATION:                                                       | DIMENSION: L-1200 D-32 MM | SERIAL No.: |

LUMINANCE LIMITATION CURVES

| GLARE | CLASS | ILLUMINANCE (lx) |      |      |       |       |       |       |       |
|-------|-------|------------------|------|------|-------|-------|-------|-------|-------|
|       |       | 2000             | 1000 | 500  | <=300 |       |       |       |       |
| 1.15  | A     |                  |      |      |       |       |       |       |       |
| 1.50  | B     |                  | 2000 | 1000 | 500   | <=300 |       |       |       |
| 1.85  | C     |                  |      | 2000 | 1000  | 500   | <=300 |       |       |
| 2.20  | D     |                  |      |      | 2000  | 1000  | 500   | <=300 |       |
| 2.55  | E     |                  |      |      |       | 2000  | 1000  | 500   | <=300 |



LUMINANCE cd/m2

| G (DEG) | C0/180 | C90/270 |
|---------|--------|---------|
| 85      | 1905   | 40319   |
| 80      | 2044   | 20311   |
| 75      | 2403   | 13670   |
| 70      | 2702   | 10394   |
| 65      | 2913   | 8462    |
| 60      | 3088   | 7190    |
| 55      | 3218   | 6297    |
| 50      | 3307   | 5643    |
| 45      | 3388   | 5148    |

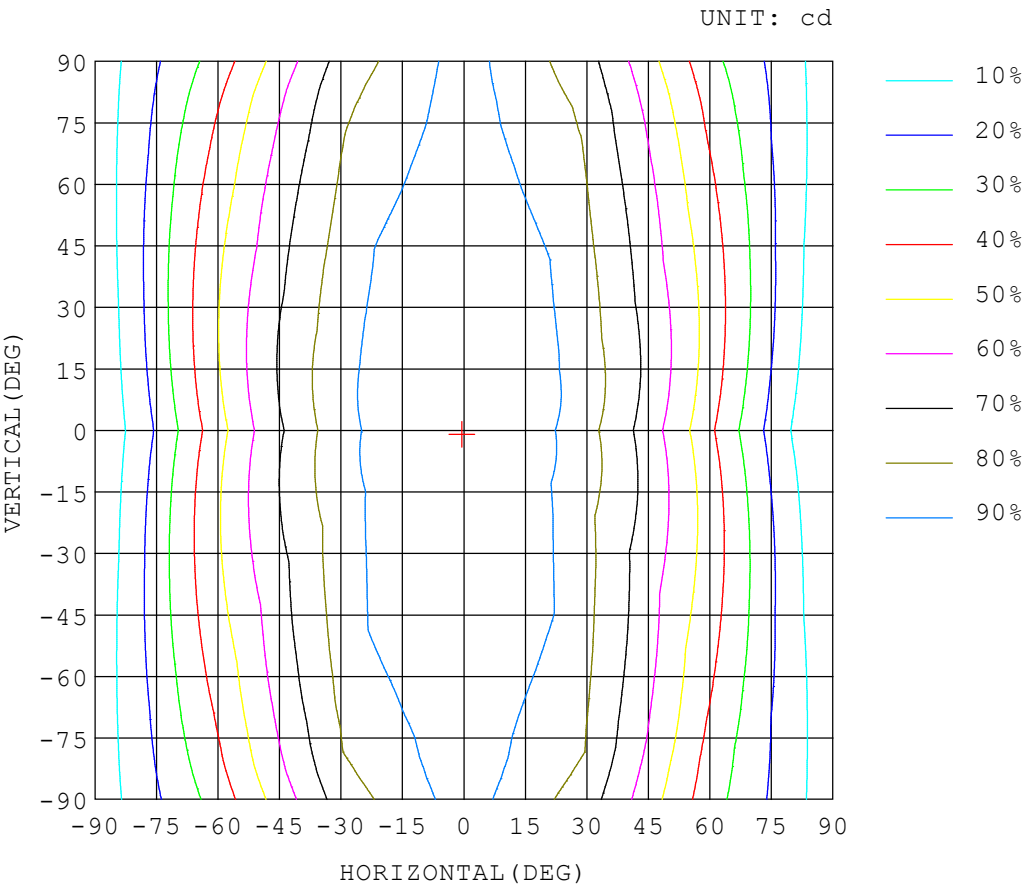
Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:05-31-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:10.000 m  
Remarks: 3000K

ISOCANDELA DIAGRAM

Report number:

|                                                                      |                           |             |
|----------------------------------------------------------------------|---------------------------|-------------|
| MANUFACTURER: DIVINITY LIGHTS                                        |                           |             |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019 |                           |             |
| NAME: CYLIN GLOW                                                     | TYPE: 3000K CRI-90        | WEIGHT:     |
| SPECIFICATION:                                                       | DIMENSION: L-1200 D-32 MM | SERIAL No.: |



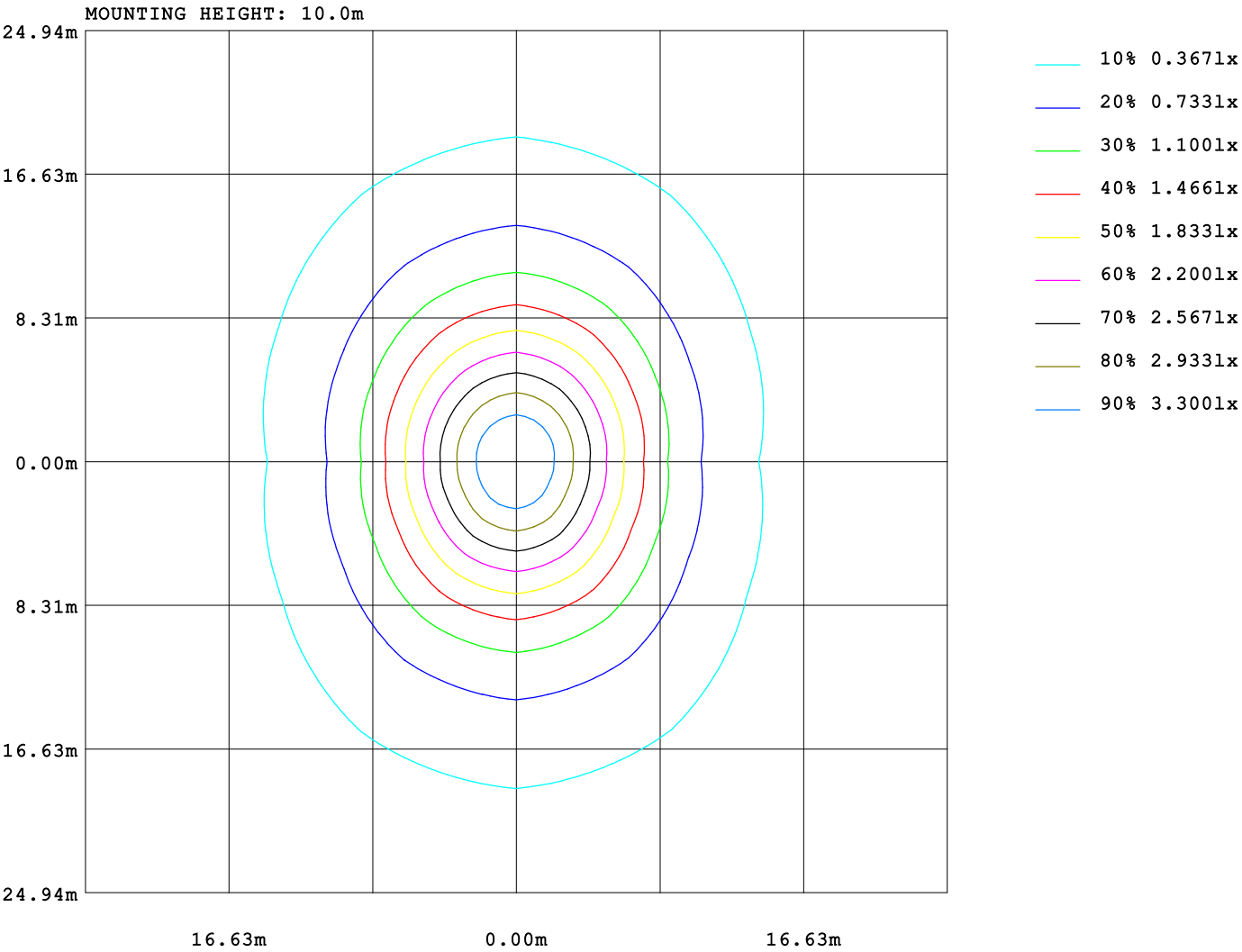
Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:05-31-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:10.000 m  
Remarks: 3000K

ISOLUX DIAGRAM

Report number:

|                                                                      |                           |             |
|----------------------------------------------------------------------|---------------------------|-------------|
| MANUFACTURER: DIVINITY LIGHTS                                        |                           |             |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019 |                           |             |
| NAME: CYLIN GLOW                                                     | TYPE: 3000K CRI-90        | WEIGHT:     |
| SPECIFICATION:                                                       | DIMENSION: L-1200 D-32 MM | SERIAL No.: |



Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:05-31-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:10.000 m  
Remarks: 3000K

## AREA LUMINOUS FLUX

Report number:

MANUFACTURER: DIVINITY LIGHTS

Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019

NAME: CYLIN GLOW

TYPE: 3000K CRI-90

WEIGHT:

SPECIFICATION:

DIMENSION: L-1200 D-32 MM

SERIAL No.:

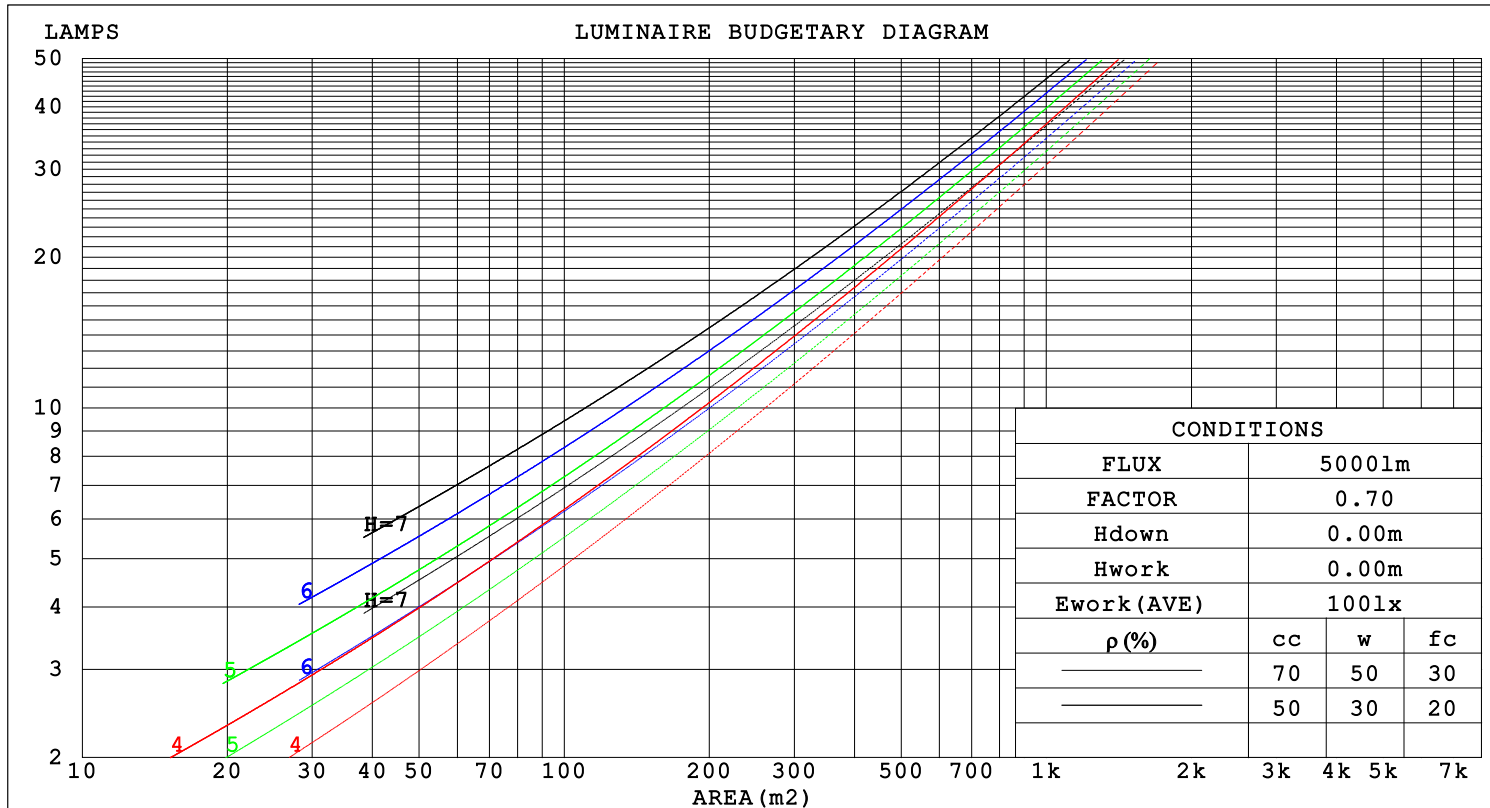
| VERTICAL (DEG) | AREA FLUX DIAGRAM |      |      |      |      |      |      |      |                  |      |      |      |      |      |      |      |      |      | UNIT:lm |      | Φ t  | Φ a |    |    |    |    |
|----------------|-------------------|------|------|------|------|------|------|------|------------------|------|------|------|------|------|------|------|------|------|---------|------|------|-----|----|----|----|----|
|                | 0.10              | 0.60 | 1.50 | 2.82 | 4.50 | 6.38 | 8.02 | 9.22 | 10.1             | 10.1 | 9.20 | 8.00 | 6.33 | 4.41 | 2.71 | 1.42 | 0.56 | 0.10 | 86.3    | 86.2 |      |     |    |    |    |    |
| 90             | 0.11              | 0.65 | 1.65 | 3.06 | 4.79 | 6.66 | 8.29 | 9.42 | 10.2             | 10.2 | 9.40 | 8.26 | 6.59 | 4.67 | 2.91 | 1.53 | 0.59 | 0.10 | 89.3    | 89.2 |      |     |    |    |    |    |
| 80             | 0.11              | 0.69 | 1.76 | 3.23 | 5.00 | 6.86 | 8.52 | 9.62 | 10.4             | 10.4 | 9.58 | 8.46 | 6.75 | 4.84 | 3.07 | 1.63 | 0.62 | 0.10 | 91.7    | 91.7 |      |     |    |    |    |    |
| 70             | 0.12              | 0.73 | 1.86 | 3.38 | 5.17 | 7.03 | 8.72 | 9.82 | 10.5             | 10.5 | 9.77 | 8.63 | 6.89 | 4.99 | 3.20 | 1.71 | 0.64 | 0.10 | 93.9    | 93.8 |      |     |    |    |    |    |
| 60             | 0.12              | 0.75 | 1.94 | 3.51 | 5.31 | 7.19 | 8.87 | 10.0 | 10.7             | 10.7 | 9.95 | 8.76 | 7.02 | 5.11 | 3.31 | 1.78 | 0.65 | 0.10 | 95.8    | 95.7 |      |     |    |    |    |    |
| 50             | 0.12              | 0.76 | 1.98 | 3.61 | 5.44 | 7.32 | 8.98 | 10.1 | 10.8             | 10.8 | 10.1 | 8.85 | 7.12 | 5.21 | 3.40 | 1.81 | 0.65 | 0.09 | 97.4    | 97.3 |      |     |    |    |    |    |
| 40             | 0.11              | 0.75 | 2.00 | 3.67 | 5.56 | 7.42 | 9.08 | 10.3 | 10.9             | 10.9 | 10.2 | 8.93 | 7.20 | 5.32 | 3.45 | 1.81 | 0.64 | 0.09 | 98.5    | 98.4 |      |     |    |    |    |    |
| 30             | 0.10              | 0.72 | 1.96 | 3.67 | 5.60 | 7.51 | 9.17 | 10.3 | 11.0             | 11.0 | 10.3 | 9.00 | 7.28 | 5.35 | 3.43 | 1.77 | 0.61 | 0.08 | 99.0    | 99.0 |      |     |    |    |    |    |
| -30            | 0.10              | 0.67 | 1.87 | 3.57 | 5.52 | 7.48 | 9.18 | 10.4 | 11.0             | 11.0 | 10.3 | 8.99 | 7.23 | 5.26 | 3.32 | 1.67 | 0.55 | 0.07 | 98.4    | 98.3 |      |     |    |    |    |    |
|                | 0.10              | 0.67 | 1.87 | 3.56 | 5.50 | 7.45 | 9.15 | 10.3 | 11.0             | 11.0 | 10.2 | 8.93 | 7.19 | 5.23 | 3.31 | 1.67 | 0.55 | 0.07 | 98.0    | 97.9 |      |     |    |    |    |    |
|                | 0.10              | 0.71 | 1.94 | 3.63 | 5.55 | 7.43 | 9.08 | 10.3 | 11.0             | 11.0 | 10.2 | 8.85 | 7.17 | 5.28 | 3.40 | 1.76 | 0.61 | 0.08 | 98.3    | 98.2 |      |     |    |    |    |    |
|                | 0.11              | 0.74 | 1.97 | 3.62 | 5.46 | 7.31 | 9.05 | 10.3 | 11.0             | 10.9 | 10.2 | 8.84 | 7.06 | 5.21 | 3.40 | 1.80 | 0.64 | 0.09 | 97.9    | 97.8 |      |     |    |    |    |    |
|                | 0.11              | 0.75 | 1.95 | 3.54 | 5.33 | 7.26 | 9.02 | 10.3 | 10.9             | 10.9 | 10.1 | 8.85 | 7.04 | 5.10 | 3.34 | 1.79 | 0.65 | 0.09 | 97.2    | 97.1 |      |     |    |    |    |    |
| -40            | 0.12              | 0.74 | 1.89 | 3.42 | 5.24 | 7.19 | 8.98 | 10.1 | 10.8             | 10.8 | 10.0 | 8.83 | 7.00 | 5.05 | 3.25 | 1.75 | 0.65 | 0.10 | 96.1    | 96.1 |      |     |    |    |    |    |
| -50            | 0.12              | 0.71 | 1.82 | 3.29 | 5.13 | 7.09 | 8.88 | 10.0 | 10.7             | 10.7 | 9.92 | 8.76 | 6.94 | 4.97 | 3.15 | 1.69 | 0.64 | 0.10 | 94.7    | 94.6 |      |     |    |    |    |    |
| -60            | 0.11              | 0.68 | 1.72 | 3.16 | 4.98 | 6.95 | 8.70 | 9.80 | 10.6             | 10.5 | 9.74 | 8.61 | 6.83 | 4.86 | 3.05 | 1.61 | 0.61 | 0.10 | 92.7    | 92.7 |      |     |    |    |    |    |
| -70            | 0.11              | 0.64 | 1.61 | 3.01 | 4.79 | 6.75 | 8.45 | 9.58 | 10.4             | 10.4 | 9.56 | 8.43 | 6.71 | 4.71 | 2.91 | 1.52 | 0.59 | 0.10 | 90.4    | 90.3 |      |     |    |    |    |    |
| -80            | 0.10              | 0.59 | 1.47 | 2.79 | 4.52 | 6.46 | 8.13 | 9.33 | 10.3             | 10.3 | 9.34 | 8.14 | 6.44 | 4.47 | 2.74 | 1.43 | 0.57 | 0.10 | 87.3    | 87.2 |      |     |    |    |    |    |
| -90            |                   |      |      |      |      |      |      |      |                  |      |      |      |      |      |      |      |      |      |         |      |      |     |    |    |    |    |
|                | -90               | -80  | -70  | -60  | -50  | -40  | -30  | -20  | HORIZONTAL (DEG) |      |      |      |      |      |      |      |      |      | 20      | 30   | 40   | 50  | 60 | 70 | 80 | 90 |
| Φ t            | 1.97              | 12.5 | 32.8 | 60.6 | 93.4 | 128  | 158  | 180  | 193              | 193  | 179  | 156  | 125  | 90.1 | 57.4 | 30.2 | 11.0 | 1.65 | 1704    |      |      |     |    |    |    |    |
| Φ a            | 1.52              | 12.5 | 32.8 | 60.6 | 93.4 | 128  | 158  | 180  | 193              | 193  | 179  | 156  | 125  | 90.1 | 57.4 | 30.2 | 11.0 | 0.98 |         |      | 1701 |     |    |    |    |    |

Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:05-31-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:10.000 m  
 Remarks: 3000K

Report number:

| pcc             | 80%                             |      |      | 70%  |      |      | 50%  |      |      | 30%  |      |      | 10%  |      |      | 0    |
|-----------------|---------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| p <sub>w</sub>  | 50%                             | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0    |
| p <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 | 1.00 |
| 1.0             | .96                             | .89  | .83  | .93  | .87  | .82  | .89  | .84  | .79  | .84  | .80  | .76  | .81  | .77  | .74  | .72  |
| 2.0             | .80                             | .71  | .63  | .78  | .70  | .63  | .74  | .67  | .61  | .71  | .65  | .59  | .68  | .63  | .58  | .55  |
| 3.0             | .69                             | .59  | .50  | .67  | .58  | .50  | .64  | .56  | .49  | .61  | .54  | .48  | .58  | .52  | .47  | .44  |
| 4.0             | .60                             | .50  | .41  | .59  | .49  | .41  | .56  | .47  | .40  | .53  | .46  | .40  | .51  | .45  | .39  | .37  |
| 5.0             | .53                             | .43  | .35  | .52  | .42  | .35  | .50  | .41  | .34  | .47  | .40  | .34  | .45  | .39  | .33  | .31  |
| 6.0             | .47                             | .37  | .30  | .46  | .37  | .30  | .44  | .36  | .29  | .43  | .35  | .29  | .41  | .34  | .29  | .26  |
| 7.0             | .43                             | .33  | .26  | .42  | .33  | .26  | .40  | .32  | .26  | .39  | .31  | .25  | .37  | .30  | .25  | .23  |
| 8.0             | .39                             | .29  | .23  | .38  | .29  | .23  | .37  | .29  | .23  | .35  | .28  | .22  | .34  | .27  | .22  | .20  |
| 9.0             | .36                             | .27  | .20  | .35  | .26  | .20  | .34  | .26  | .20  | .33  | .25  | .20  | .31  | .25  | .20  | .18  |
| 10.0            | .33                             | .24  | .18  | .32  | .24  | .18  | .31  | .23  | .18  | .30  | .23  | .18  | .29  | .23  | .18  | .16  |



Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:10.000 m  
Remarks: 3000K

## WEC AND CCEC

Report number:

|                                                                      |  |  |  |  |  |  |                           |  |  |  |  |             |  |  |
|----------------------------------------------------------------------|--|--|--|--|--|--|---------------------------|--|--|--|--|-------------|--|--|
| MANUFACTURER: DIVINITY LIGHTS                                        |  |  |  |  |  |  |                           |  |  |  |  |             |  |  |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019 |  |  |  |  |  |  |                           |  |  |  |  |             |  |  |
| NAME: CYLIN GLOW                                                     |  |  |  |  |  |  | TYPE: 3000K CRI-90        |  |  |  |  | WEIGHT:     |  |  |
| SPECIFICATION:                                                       |  |  |  |  |  |  | DIMENSION: L-1200 D-32 MM |  |  |  |  | SERIAL No.: |  |  |

| pcc  | 80%                   |      |      | 70%  |      |      | 50%                             |      |      | 30%  |      |      | 10%  |      |      | 0 |
|------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|---|
| pw   | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%                             | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |
| pfc  | 20%                   |      |      | 20%  |      |      | 20%                             |      |      | 20%  |      |      | 20%  |      |      | 0 |
| RCR  | RCR:Room Cavity Ratio |      |      |      |      |      | Wall Exitance Coefficients(WEC) |      |      |      |      |      |      |      |      |   |
| 0.0  |                       |      |      |      |      |      |                                 |      |      |      |      |      |      |      |      |   |
| 1.0  | .470                  | .267 | .085 | .462 | .264 | .084 | .448                            | .257 | .082 | .435 | .251 | .081 | .423 | .245 | .079 |   |
| 2.0  | .389                  | .213 | .065 | .382 | .211 | .065 | .370                            | .206 | .064 | .358 | .201 | .063 | .348 | .197 | .062 |   |
| 3.0  | .337                  | .179 | .054 | .331 | .177 | .053 | .320                            | .173 | .053 | .310 | .170 | .052 | .300 | .166 | .051 |   |
| 4.0  | .298                  | .155 | .046 | .293 | .153 | .045 | .283                            | .150 | .045 | .274 | .147 | .044 | .265 | .144 | .044 |   |
| 5.0  | .267                  | .136 | .039 | .263 | .135 | .039 | .254                            | .132 | .039 | .246 | .130 | .039 | .238 | .127 | .038 |   |
| 6.0  | .243                  | .122 | .035 | .239 | .120 | .035 | .231                            | .118 | .034 | .224 | .116 | .034 | .217 | .114 | .034 |   |
| 7.0  | .222                  | .110 | .031 | .218 | .109 | .031 | .212                            | .107 | .031 | .205 | .105 | .031 | .199 | .103 | .030 |   |
| 8.0  | .205                  | .100 | .028 | .201 | .099 | .028 | .195                            | .098 | .028 | .189 | .096 | .028 | .184 | .094 | .028 |   |
| 9.0  | .190                  | .092 | .026 | .187 | .091 | .026 | .181                            | .090 | .025 | .176 | .088 | .025 | .171 | .087 | .025 |   |
| 10.0 | .177                  | .085 | .024 | .174 | .084 | .023 | .169                            | .083 | .023 | .165 | .082 | .023 | .160 | .081 | .023 |   |

| pcc  | 80%                   |      |      | 70%  |      |      | 50%                                        |      |      | 30%  |      |      | 10%  |      |      | 0 |
|------|-----------------------|------|------|------|------|------|--------------------------------------------|------|------|------|------|------|------|------|------|---|
| pw   | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%                                        | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |
| pfc  | 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  | .191                  | .155 | .122 | .164 | .133 | .105 | .112                                       | .091 | .072 | .064 | .053 | .042 | .021 | .017 | .014 |   |
| 2.0  | .185                  | .131 | .086 | .159 | .113 | .075 | .109                                       | .078 | .052 | .063 | .046 | .030 | .020 | .015 | .010 |   |
| 3.0  | .177                  | .115 | .065 | .152 | .099 | .056 | .104                                       | .069 | .039 | .060 | .040 | .023 | .019 | .013 | .008 |   |
| 4.0  | .169                  | .102 | .051 | .145 | .088 | .044 | .100                                       | .061 | .031 | .058 | .036 | .018 | .019 | .012 | .006 |   |
| 5.0  | .160                  | .092 | .042 | .138 | .080 | .036 | .095                                       | .056 | .026 | .055 | .033 | .015 | .018 | .011 | .005 |   |
| 6.0  | .152                  | .084 | .035 | .131 | .073 | .030 | .090                                       | .051 | .022 | .052 | .030 | .013 | .017 | .010 | .004 |   |
| 7.0  | .144                  | .077 | .030 | .124 | .067 | .026 | .086                                       | .047 | .019 | .050 | .028 | .011 | .016 | .009 | .004 |   |
| 8.0  | .137                  | .071 | .026 | .118 | .062 | .023 | .081                                       | .043 | .016 | .047 | .026 | .010 | .015 | .008 | .003 |   |
| 9.0  | .130                  | .066 | .023 | .112 | .058 | .020 | .078                                       | .040 | .014 | .045 | .024 | .009 | .015 | .008 | .003 |   |
| 10.0 | .123                  | .062 | .021 | .106 | .054 | .018 | .074                                       | .038 | .013 | .043 | .022 | .008 | .014 | .007 | .003 |   |

Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:05-31-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:10.000 m  
Remarks: 3000K

Uncorrected UGR Table

Report number:

|                                                                      |               |                  |      |      |                           |               |                |             |      |      |      |
|----------------------------------------------------------------------|---------------|------------------|------|------|---------------------------|---------------|----------------|-------------|------|------|------|
| MANUFACTURER: DIVINITY LIGHTS                                        |               |                  |      |      |                           |               |                |             |      |      |      |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019 |               |                  |      |      |                           |               |                |             |      |      |      |
| NAME: CYLIN GLOW                                                     |               |                  |      |      | TYPE: 3000K CRI-90        |               |                | WEIGHT:     |      |      |      |
| SPECIFICATION:                                                       |               |                  |      |      | DIMENSION: L-1200 D-32 MM |               |                | SERIAL No.: |      |      |      |
| 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                                                        |               | 16.3             | 18.1 | 16.6 | 18.3                      | 18.6          | 19.7           | 21.5        | 20.0 | 21.7 | 21.9 |
|                                                                      | 3H            | 18.0             | 19.6 | 18.3 | 19.9                      | 20.1          | 23.0           | 24.6        | 23.3 | 24.9 | 25.2 |
|                                                                      | 4H            | 18.6             | 20.2 | 19.0 | 20.5                      | 20.8          | 24.9           | 26.5        | 25.2 | 26.7 | 27.0 |
|                                                                      | 6H            | 19.1             | 20.6 | 19.4 | 20.9                      | 21.2          | 27.0           | 28.5        | 27.3 | 28.8 | 29.1 |
|                                                                      | 8H            | 19.2             | 20.7 | 19.6 | 21.0                      | 21.3          | 28.2           | 29.6        | 28.5 | 29.9 | 30.3 |
|                                                                      | 12H           | 19.3             | 20.7 | 19.7 | 21.0                      | 21.4          | 29.5           | 30.9        | 29.9 | 31.3 | 31.6 |
| 4H                                                                   | 2H            | 18.0             | 19.6 | 18.3 | 19.9                      | 20.1          | 20.3           | 21.9        | 20.7 | 22.2 | 22.5 |
|                                                                      | 3H            | 19.9             | 21.4 | 20.3 | 21.7                      | 22.0          | 23.9           | 25.3        | 24.3 | 25.6 | 26.0 |
|                                                                      | 4H            | 20.8             | 22.2 | 21.2 | 22.5                      | 22.9          | 26.0           | 27.3        | 26.4 | 27.7 | 28.0 |
|                                                                      | 6H            | 21.6             | 22.8 | 22.0 | 23.2                      | 23.5          | 28.3           | 29.5        | 28.7 | 29.9 | 30.3 |
|                                                                      | 8H            | 21.8             | 23.0 | 22.3 | 23.4                      | 23.8          | 29.6           | 30.8        | 30.1 | 31.2 | 31.6 |
|                                                                      | 12H           | 22.0             | 23.1 | 22.5 | 23.5                      | 23.9          | 31.1           | 32.2        | 31.6 | 32.6 | 33.0 |
| 8H                                                                   | 4H            | 22.6             | 23.7 | 23.0 | 24.1                      | 24.5          | 26.4           | 27.5        | 26.8 | 27.9 | 28.3 |
|                                                                      | 6H            | 23.8             | 24.8 | 24.2 | 25.2                      | 25.6          | 29.1           | 30.1        | 29.5 | 30.5 | 30.9 |
|                                                                      | 8H            | 24.3             | 25.2 | 24.8 | 25.6                      | 26.1          | 30.6           | 31.5        | 31.1 | 32.0 | 32.4 |
|                                                                      | 12H           | 24.7             | 25.6 | 25.2 | 26.0                      | 26.5          | 32.4           | 33.2        | 32.9 | 33.6 | 34.1 |
| 12H                                                                  | 4H            | 23.2             | 24.3 | 23.7 | 24.7                      | 25.1          | 26.4           | 27.5        | 26.9 | 27.9 | 28.3 |
|                                                                      | 6H            | 24.7             | 25.6 | 25.2 | 26.1                      | 26.5          | 29.2           | 30.1        | 29.7 | 30.6 | 31.0 |
|                                                                      | 8H            | 25.5             | 26.3 | 25.9 | 26.7                      | 27.2          | 30.9           | 31.7        | 31.4 | 32.2 | 32.6 |
| Variations with the observer position at spacings:                   |               |                  |      |      |                           |               |                |             |      |      |      |
| S = 1.0H                                                             | + 0.1 / - 0.1 |                  |      |      |                           | + 0.1 / - 0.1 |                |             |      |      |      |
| 1.5H                                                                 | + 0.2 / - 0.2 |                  |      |      |                           | + 0.2 / - 0.3 |                |             |      |      |      |
| 2.0H                                                                 | + 0.2 / - 0.4 |                  |      |      |                           | + 0.3 / - 0.4 |                |             |      |      |      |

CIE Pub.117 Corrected 1704 lm Total Lamp Luminous Flux.(8log(F/F0) = 1.9)

Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:05-31-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:10.000 m  
Remarks: 3000K

## UTILIZATION FACTORS TABLE

Report number:

|                                                                      |                           |             |
|----------------------------------------------------------------------|---------------------------|-------------|
| MANUFACTURER: DIVINITY LIGHTS                                        |                           |             |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019 |                           |             |
| NAME: CYLIN GLOW                                                     | TYPE: 3000K CRI-90        | WEIGHT:     |
| SPECIFICATION:                                                       | DIMENSION: L-1200 D-32 MM | SERIAL No.: |

| 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) $k(RI) \times RCR = 5$ |     |           |     |     |     |     |               |     |        |
| $k = 0.60$                       | 50                                                   | 37  | 29        | 49  | 36  | 29  | 47  | 36            | 28  | 21     |
| 0.80                             | 59                                                   | 45  | 36        | 57  | 45  | 36  | 55  | 44            | 36  | 28     |
| 1.00                             | 66                                                   | 53  | 44        | 65  | 52  | 44  | 62  | 54            | 43  | 35     |
| 1.25                             | 73                                                   | 60  | 51        | 72  | 59  | 51  | 68  | 58            | 50  | 41     |
| 1.50                             | 78                                                   | 66  | 57        | 76  | 65  | 56  | 73  | 63            | 55  | 46     |
| 2.00                             | 86                                                   | 74  | 65        | 84  | 73  | 65  | 80  | 70            | 63  | 54     |
| 2.50                             | 90                                                   | 80  | 71        | 88  | 78  | 70  | 84  | 75            | 69  | 58     |
| 3.00                             | 94                                                   | 84  | 77        | 92  | 83  | 76  | 87  | 80            | 73  | 63     |
| 4.00                             | 99                                                   | 91  | 84        | 97  | 89  | 82  | 92  | 85            | 80  | 69     |
| 5.00                             | 102                                                  | 95  | 89        | 100 | 93  | 87  | 95  | 89            | 84  | 73     |
| ROOM INDEX                       | UF(total)                                            |     |           |     |     |     |     |               |     | Direct |
| According to DIN EN 13032-2 2004 |                                                      |     | Suspended |     |     |     |     | SHRNOM = 1.25 |     |        |

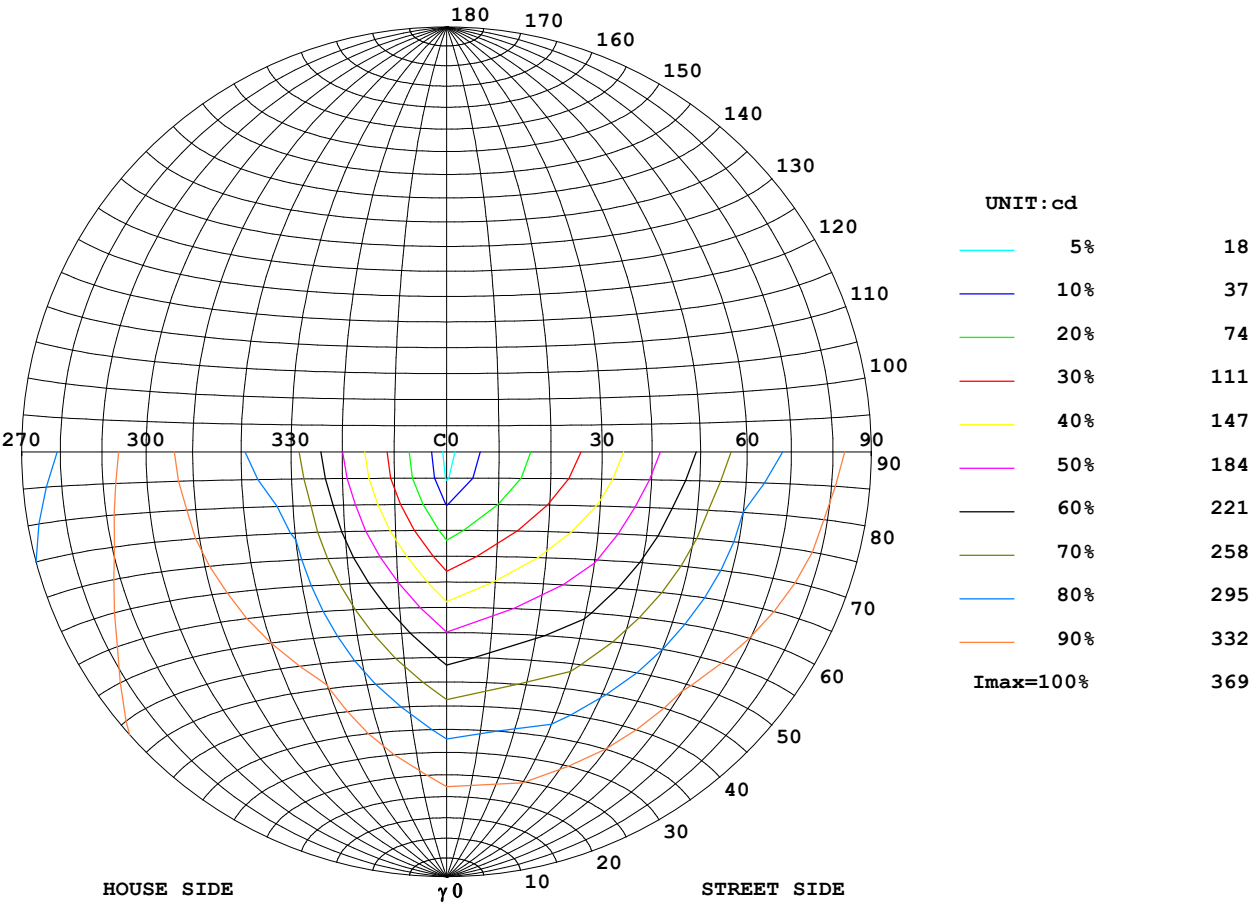
Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:05-31-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:10.000 m  
 Remarks: 3000K

ISOCANDELA DIAGRAM

Report number:

|                                                                      |                           |             |
|----------------------------------------------------------------------|---------------------------|-------------|
| MANUFACTURER: DIVINITY LIGHTS                                        |                           |             |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019 |                           |             |
| NAME: CYLIN GLOW                                                     | TYPE: 3000K CRI-90        | WEIGHT:     |
| SPECIFICATION:                                                       | DIMENSION: L-1200 D-32 MM | SERIAL No.: |



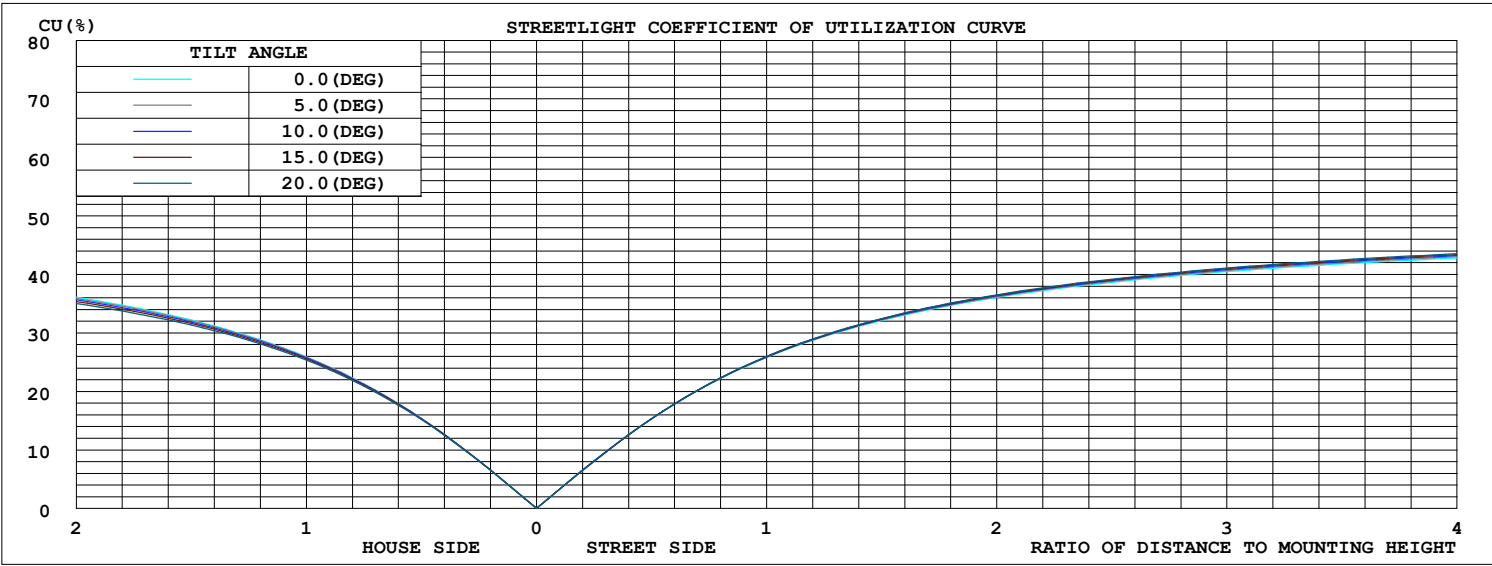
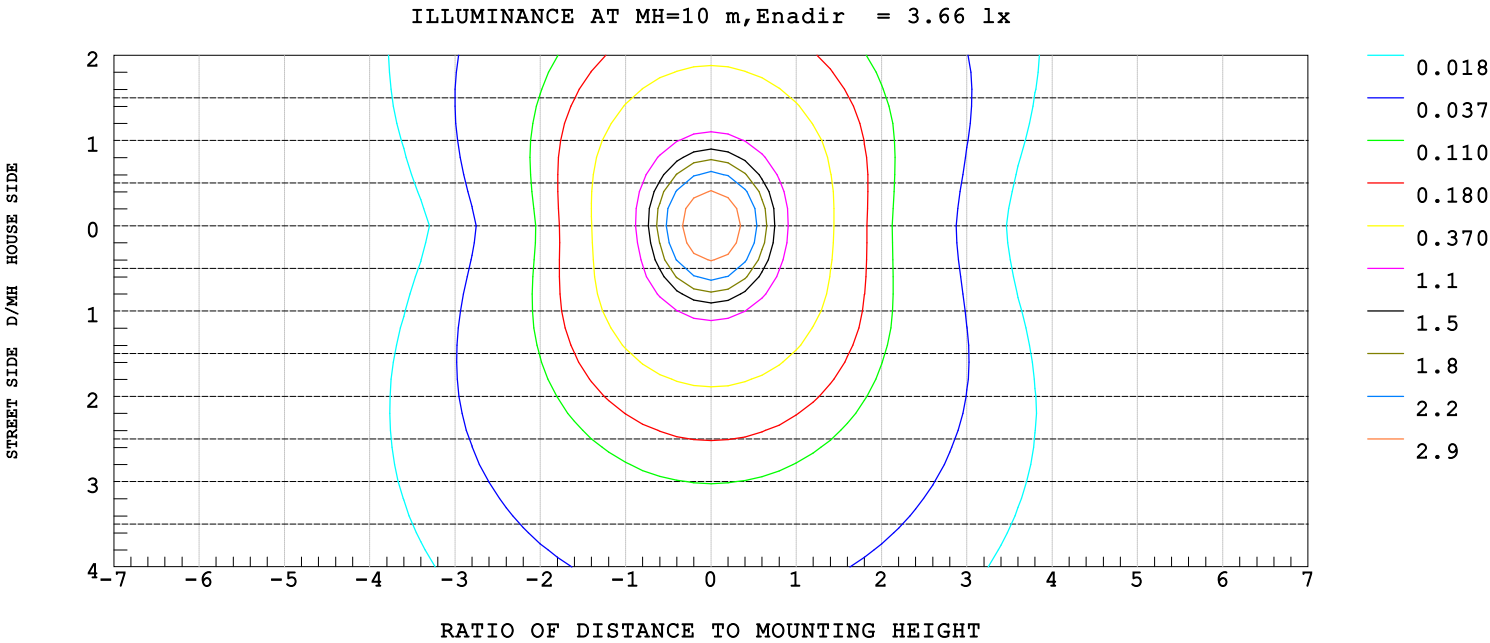
Test System:HOP00 HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:05-31-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:10.000 m  
Remarks: 3000K

ISOLUX DIAGRAM

Report number:

|                                                                      |                           |             |
|----------------------------------------------------------------------|---------------------------|-------------|
| MANUFACTURER: DIVINITY LIGHTS                                        |                           |             |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019 |                           |             |
| NAME: CYLIN GLOW                                                     | TYPE: 3000K CRI-90        | WEIGHT:     |
| SPECIFICATION:                                                       | DIMENSION: L-1200 D-32 MM | SERIAL No.: |



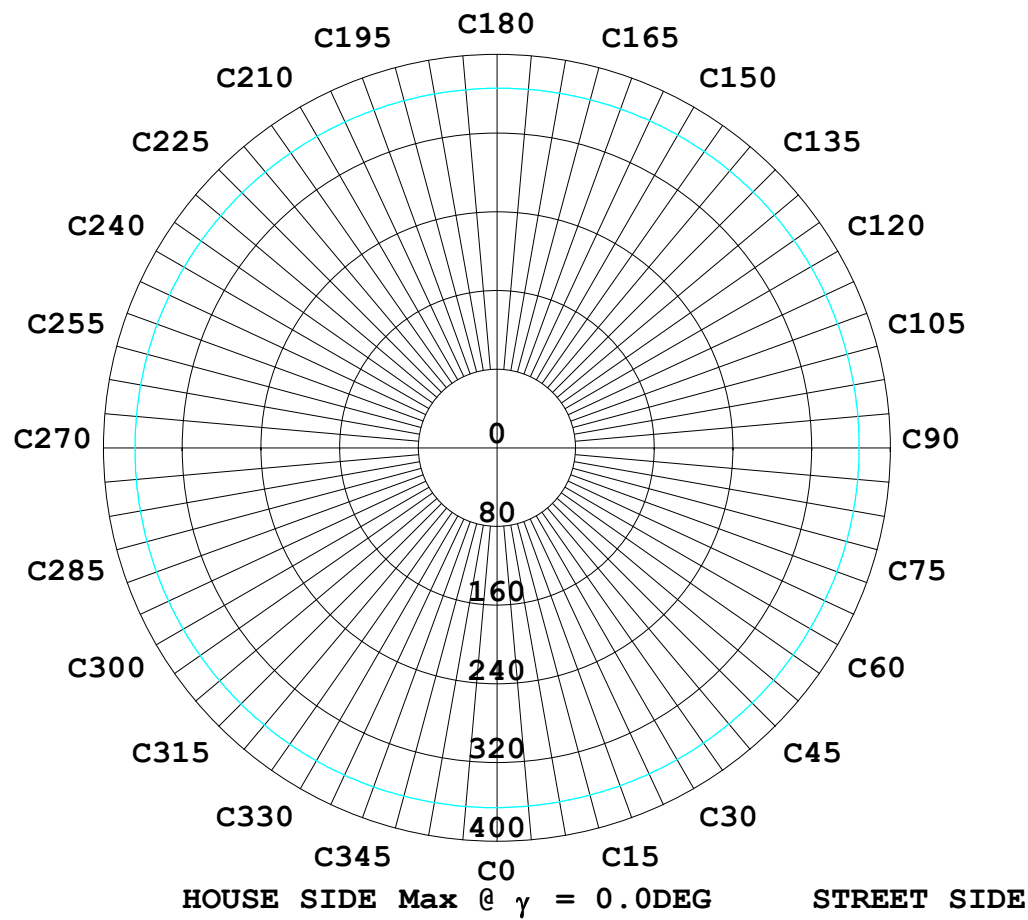
Test System:HOP00 HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:05-31-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:10.000 m  
Remarks: 3000K

ISOCANDELA DIAGRAM

Report number:

|                                                                      |                           |             |
|----------------------------------------------------------------------|---------------------------|-------------|
| MANUFACTURER: DIVINITY LIGHTS                                        |                           |             |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019 |                           |             |
| NAME: CYLIN GLOW                                                     | TYPE: 3000K CRI-90        | WEIGHT:     |
| SPECIFICATION:                                                       | DIMENSION: L-1200 D-32 MM | SERIAL No.: |



Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:05-31-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:10.000 m  
Remarks: 3000K

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

|                                                                      |                           |             |
|----------------------------------------------------------------------|---------------------------|-------------|
| MANUFACTURER: DIVINITY LIGHTS                                        |                           |             |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019 |                           |             |
| NAME: CYLIN GLOW                                                     | TYPE: 3000K CRI-90        | WEIGHT:     |
| SPECIFICATION:                                                       | DIMENSION: L-1200 D-32 MM | SERIAL No.: |

UNIT: cd

| C (DEG)<br>γ (DEG) | 0    | 30  | 60  | 90  | 120 | 150 | 180  | 210 | 240 | 270 | 300 | 330 |
|--------------------|------|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|
| 0.0                | 366  | 366 | 368 | 368 | 369 | 367 | 366  | 366 | 368 | 368 | 369 | 367 |
| 5.0                | 364  | 363 | 367 | 368 | 368 | 366 | 365  | 366 | 367 | 368 | 368 | 366 |
| 10.0               | 358  | 358 | 364 | 368 | 367 | 363 | 361  | 364 | 366 | 368 | 366 | 362 |
| 15.0               | 350  | 352 | 362 | 368 | 365 | 357 | 354  | 358 | 364 | 367 | 363 | 356 |
| 20.0               | 338  | 343 | 360 | 367 | 362 | 349 | 345  | 351 | 361 | 366 | 359 | 348 |
| 25.0               | 324  | 331 | 356 | 367 | 359 | 339 | 331  | 342 | 357 | 365 | 355 | 337 |
| 30.0               | 306  | 318 | 351 | 367 | 355 | 327 | 316  | 331 | 352 | 365 | 350 | 325 |
| 35.0               | 286  | 303 | 347 | 366 | 351 | 313 | 297  | 318 | 347 | 363 | 345 | 310 |
| 40.0               | 264  | 287 | 342 | 365 | 346 | 297 | 276  | 303 | 342 | 362 | 339 | 294 |
| 45.0               | 240  | 270 | 336 | 364 | 341 | 281 | 252  | 287 | 335 | 360 | 333 | 277 |
| 50.0               | 213  | 252 | 330 | 363 | 335 | 263 | 227  | 269 | 330 | 357 | 326 | 259 |
| 55.0               | 185  | 234 | 324 | 361 | 329 | 245 | 199  | 251 | 323 | 355 | 320 | 240 |
| 60.0               | 154  | 217 | 318 | 360 | 322 | 227 | 170  | 232 | 316 | 353 | 313 | 221 |
| 65.0               | 123  | 199 | 312 | 358 | 315 | 208 | 140  | 214 | 309 | 352 | 307 | 203 |
| 70.0               | 92.4 | 182 | 305 | 356 | 309 | 190 | 108  | 196 | 302 | 350 | 300 | 185 |
| 75.0               | 62.1 | 166 | 299 | 354 | 300 | 173 | 77.3 | 179 | 295 | 349 | 293 | 168 |
| 80.0               | 35.5 | 151 | 295 | 353 | 295 | 157 | 49.0 | 162 | 289 | 348 | 289 | 152 |
| 85.0               | 16.5 | 136 | 286 | 351 | 286 | 143 | 24.9 | 146 | 281 | 347 | 280 | 138 |
| 90.0               | 12.3 | 126 | 275 | 349 | 275 | 126 | 12.2 | 128 | 272 | 347 | 272 | 122 |

Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:05-31-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:10.000 m  
Remarks: 3000K