

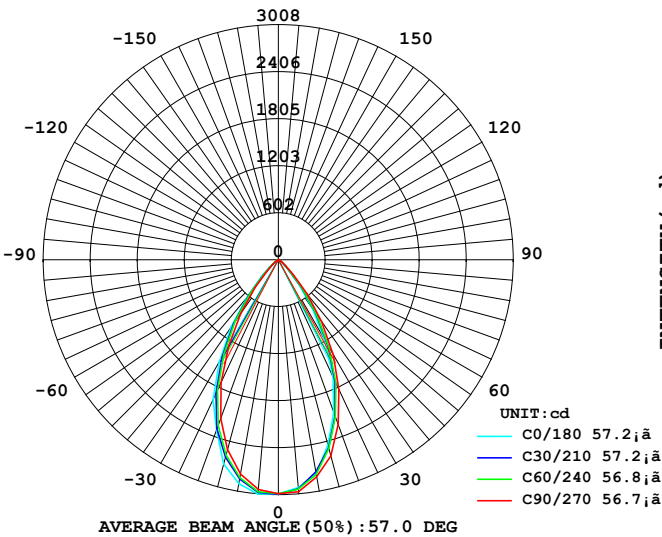
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

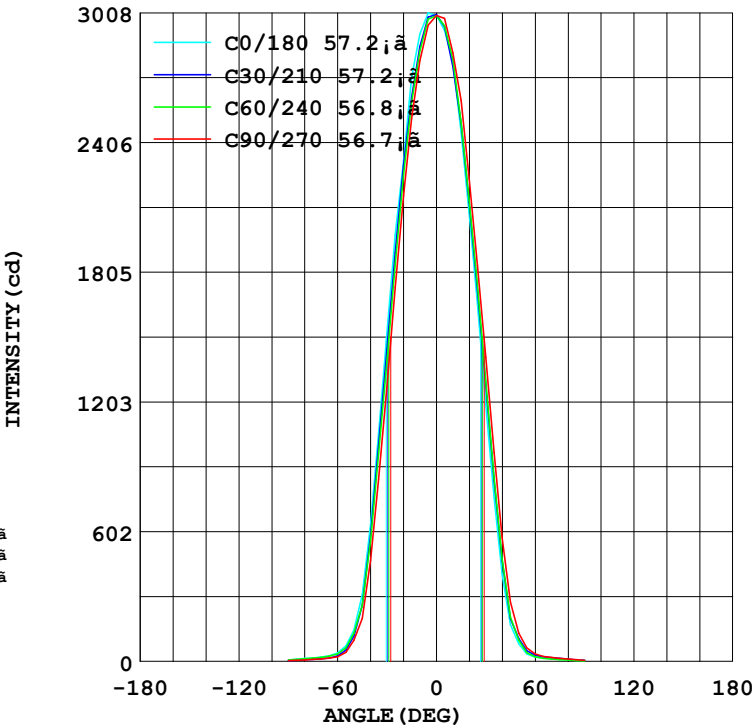
|                                                                      |                          |             |
|----------------------------------------------------------------------|--------------------------|-------------|
| MANUFACTURER: DIVINITY LIGHTS                                        |                          |             |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019 |                          |             |
| NAME: PHONEIX 80 TRACK LIGHT                                         | TYPE: 4000K CRI-90       | WEIGHT:     |
| SPECIFICATION: FULHAM 700 MA                                         | DIMENSION: D-80 H-180 MM | SERIAL No.: |

|                   |            |                     |        |                   |       |
|-------------------|------------|---------------------|--------|-------------------|-------|
| DATA OF LAMP      |            | Imax (cd)           | 3008   | S/MH (C0/180)     | 0.91  |
| MODEL             | PHONEIX 80 | EFFICIENCY (%)      | 100.0  | S/MH (C90/270)    | 0.85  |
| NOMINAL POWER (W) | 30         | TOTAL FLUX (lm)     | 2688.7 | Voltage (V)       | 219.6 |
| RATED VOLTAGE (V) | 220        | EFFICIENCY (lm/W)   | 87.7   | Current (A)       | 0.132 |
| NOMINAL FLUX (lm) | 2688.7     | $\eta$ up (%)       | 0.0    | Power (W)         | 30.65 |
| LAMPS QUANTITY    | 1          | $\eta$ down (%)     | 100.0  | Power Factor (PF) | 0.997 |
| TEST VOLTAGE (V)  | 219.6      | Effictive Flux (lm) | 2504.9 | EEI               | 0.167 |

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:10-03-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:8.400 m  
Remarks: 4000K

Color Temperature Data List

Report number:

|                                                                      |                          |             |
|----------------------------------------------------------------------|--------------------------|-------------|
| MANUFACTURER: DIVINITY LIGHTS                                        |                          |             |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019 |                          |             |
| NAME: PHONEIX 80 TRACK LIGHT                                         | TYPE: 4000K CRI-90       | WEIGHT:     |
| SPECIFICATION: FULHAM 700 MA                                         | DIMENSION: D-80 H-180 MM | SERIAL No.: |

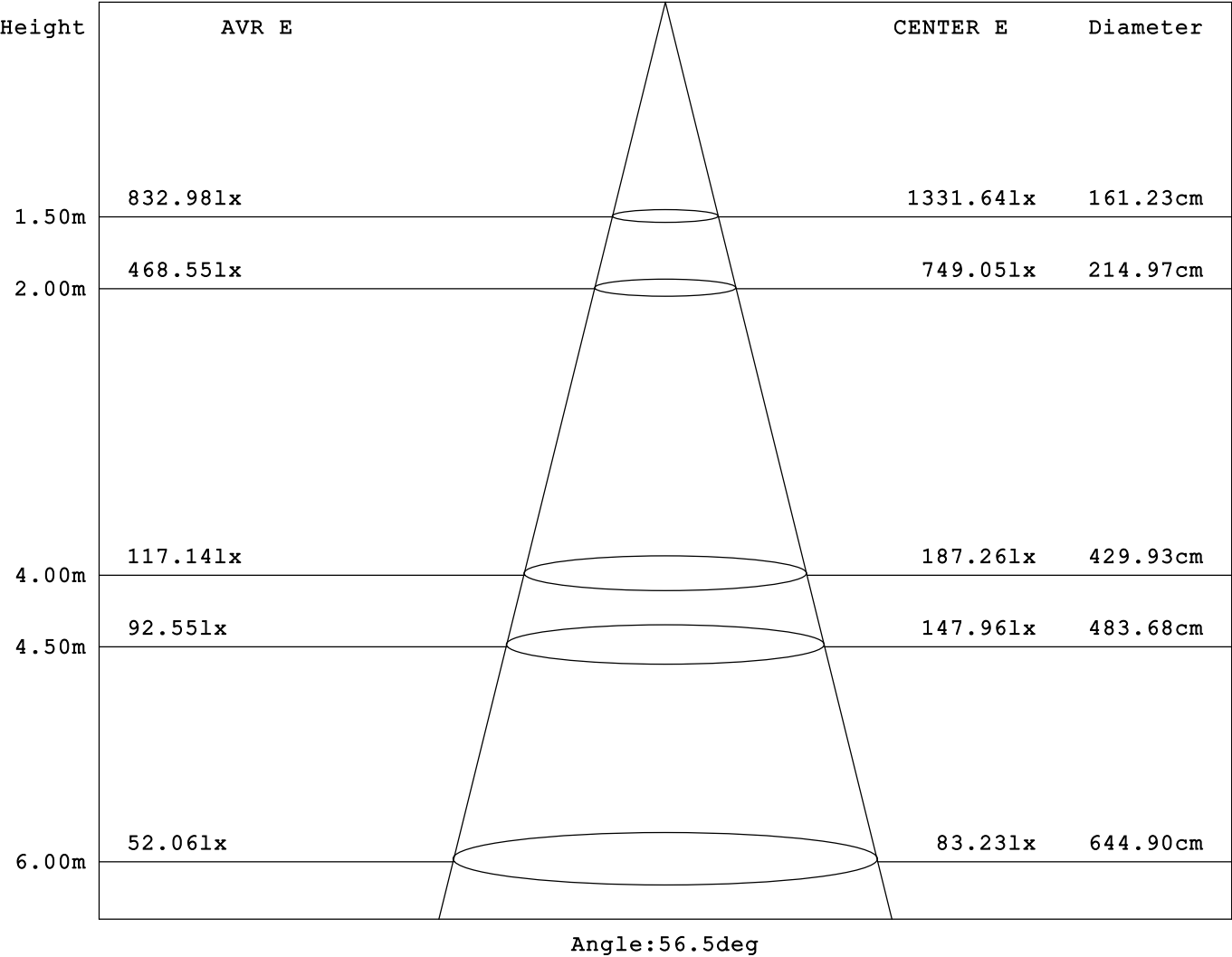
Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:10-03-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:8.400 m  
Remarks: 4000K

AVERAGE AND CENTER E Figure

Report number:

|                                                                      |                          |             |
|----------------------------------------------------------------------|--------------------------|-------------|
| MANUFACTURER: DIVINITY LIGHTS                                        |                          |             |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019 |                          |             |
| NAME: PHONEIX 80 TRACK LIGHT                                         | TYPE: 4000K CRI-90       | WEIGHT:     |
| SPECIFICATION: FULHAM 700 MA                                         | DIMENSION: D-80 H-180 MM | SERIAL No.: |



Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:10-03-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:8.400 m  
Remarks: 4000K

ZONAL FLUX DIAGRAM

Report number:

|                                                                      |                          |             |
|----------------------------------------------------------------------|--------------------------|-------------|
| MANUFACTURER: DIVINITY LIGHTS                                        |                          |             |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019 |                          |             |
| NAME: PHONEIX 80 TRACK LIGHT                                         | TYPE: 4000K CRI-90       | WEIGHT:     |
| SPECIFICATION: FULHAM 700 MA                                         | DIMENSION: D-80 H-180 MM | SERIAL No.: |

| γ     | C0                    | C45   | C90   | C135  | C180  | C225  | C270  | C315  | γ       | Zone    | total |
|-------|-----------------------|-------|-------|-------|-------|-------|-------|-------|---------|---------|-------|
| 10.0  | 2909                  | 2841  | 2787  | 2744  | 2785  | 2776  | 2824  | 2903  | 0- 10   | 278.2   | 278.2 |
| 20.0  | 2320                  | 2279  | 2161  | 2085  | 2078  | 2135  | 2239  | 2376  | 10- 20  | 713.1   | 991.3 |
| 30.0  | 1522                  | 1419  | 1272  | 1189  | 1190  | 1290  | 1411  | 1499  | 20- 30  | 819.7   | 1811  |
| 40.0  | 636.5                 | 573.3 | 469.8 | 412.1 | 405.8 | 471.7 | 574.0 | 627.4 | 30- 40  | 570.6   | 2382  |
| 50.0  | 145.8                 | 124.3 | 99.41 | 88.83 | 82.13 | 102.3 | 131.9 | 139.2 | 40- 50  | 211.0   | 2593  |
| 60.0  | 39.16                 | 30.79 | 22.08 | 23.53 | 19.68 | 25.40 | 34.78 | 34.22 | 50- 60  | 55.08   | 2648  |
| 70.0  | 19.75                 | 15.59 | 11.57 | 14.14 | 12.27 | 14.04 | 17.99 | 16.15 | 60- 70  | 20.34   | 2668  |
| 80.0  | 13.61                 | 10.37 | 7.338 | 8.855 | 7.691 | 8.643 | 11.71 | 10.37 | 70- 80  | 13.03   | 2681  |
| 90.0  | 6.703                 | 4.974 | 3.175 | 4.515 | 4.515 | 3.316 | 4.798 | 4.198 | 80- 90  | 7.423   | 2689  |
| 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:10-03-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:8.400 m  
Remarks: 4000K

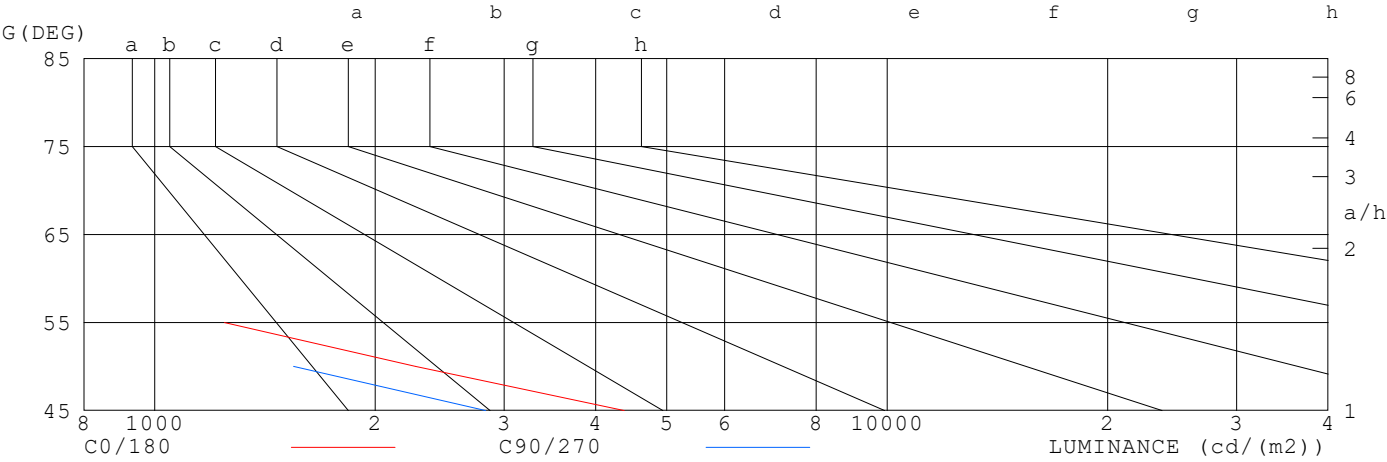
LUMINANCE LIMITATION CURVES

Report number:

|                                                                      |                          |             |
|----------------------------------------------------------------------|--------------------------|-------------|
| MANUFACTURER: DIVINITY LIGHTS                                        |                          |             |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019 |                          |             |
| NAME: PHONEIX 80 TRACK LIGHT                                         | TYPE: 4000K CRI-90       | WEIGHT:     |
| SPECIFICATION: FULHAM 700 MA                                         | DIMENSION: D-80 H-180 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      | 1117   | 526     |
| 80      | 784    | 423     |
| 75      | 624    | 360     |
| 70      | 578    | 338     |
| 65      | 601    | 354     |
| 60      | 783    | 442     |
| 55      | 1245   | 726     |
| 50      | 2269   | 1547    |
| 45      | 4373   | 2831    |

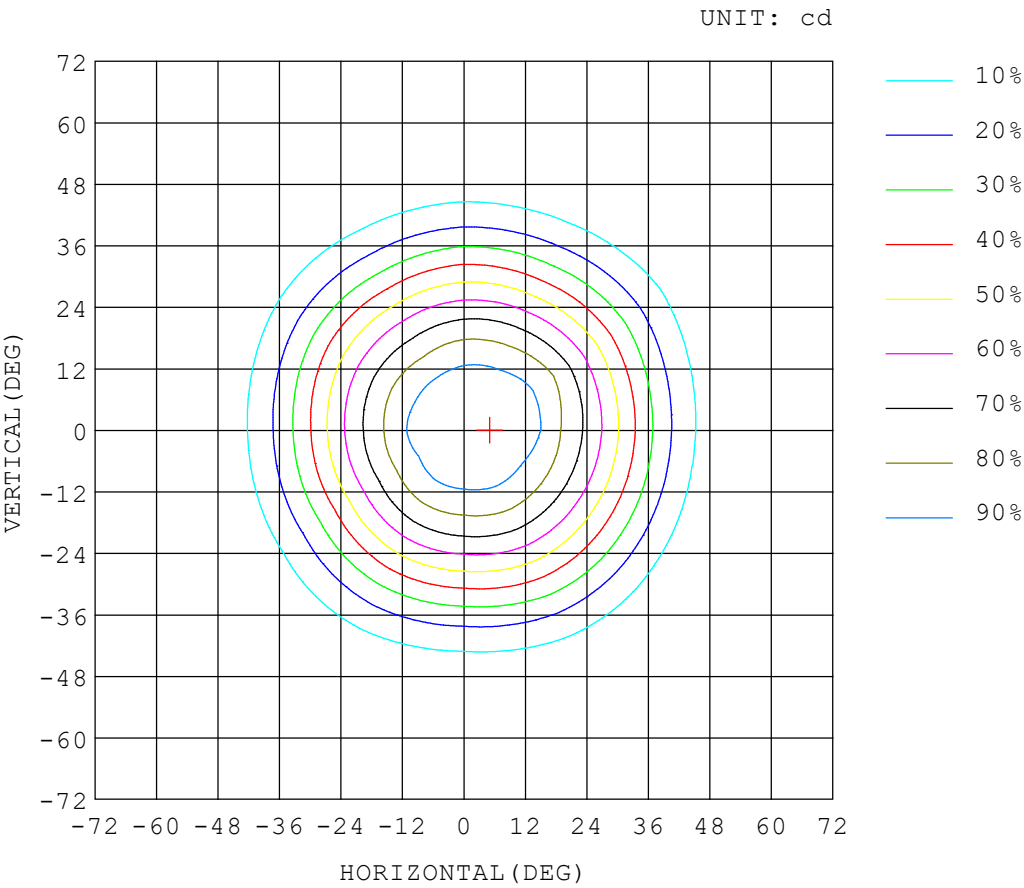
Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:10-03-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:8.400 m  
Remarks: 4000K

ISOCANDELA DIAGRAM

Report number:

|                                                                      |                          |             |
|----------------------------------------------------------------------|--------------------------|-------------|
| MANUFACTURER: DIVINITY LIGHTS                                        |                          |             |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019 |                          |             |
| NAME: PHONEIX 80 TRACK LIGHT                                         | TYPE: 4000K CRI-90       | WEIGHT:     |
| SPECIFICATION: FULHAM 700 MA                                         | DIMENSION: D-80 H-180 MM | SERIAL No.: |



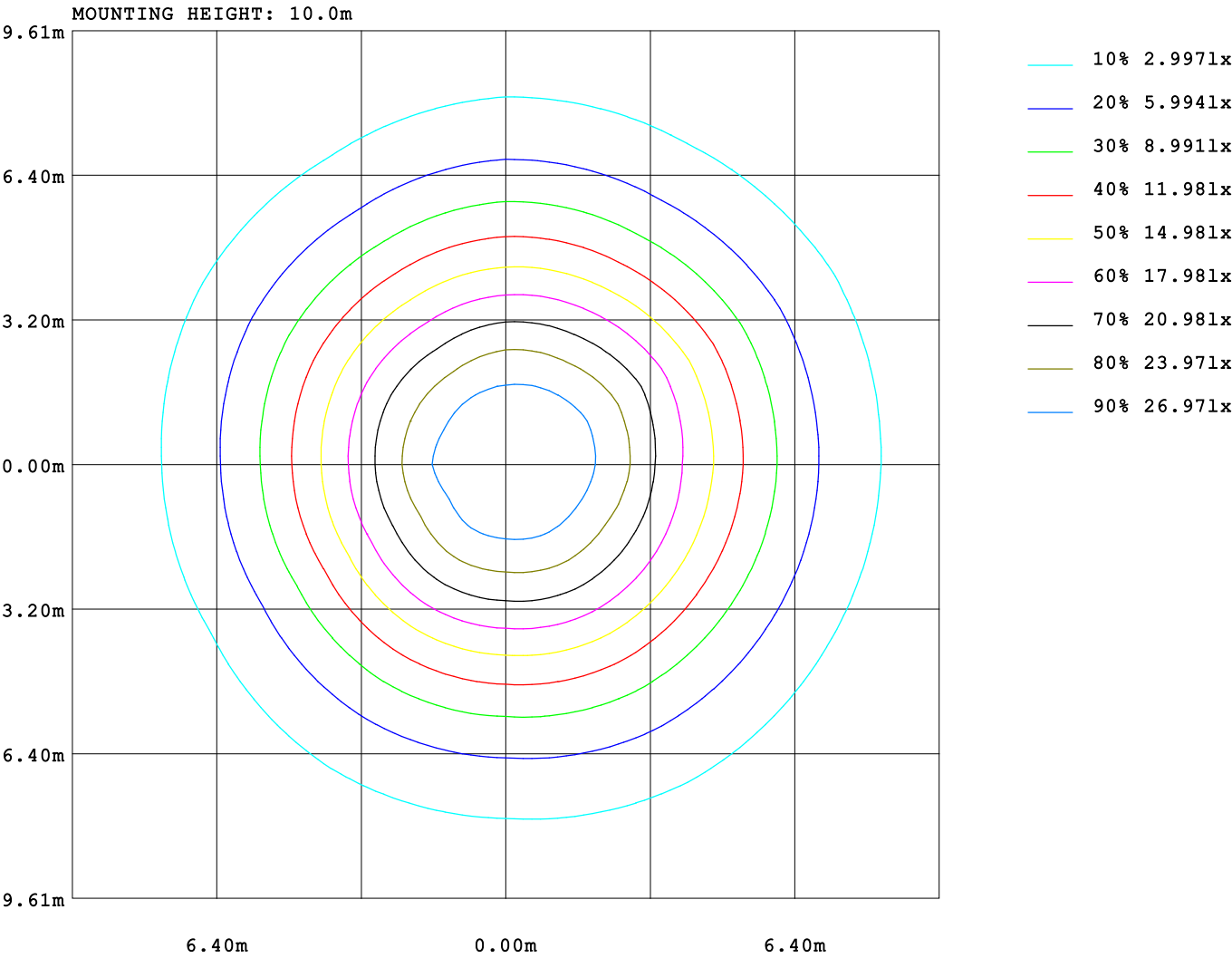
Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:10-03-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:8.400 m  
Remarks: 4000K

ISOLUX DIAGRAM

Report number:

|                                                                      |                          |             |
|----------------------------------------------------------------------|--------------------------|-------------|
| MANUFACTURER: DIVINITY LIGHTS                                        |                          |             |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019 |                          |             |
| NAME: PHONEIX 80 TRACK LIGHT                                         | TYPE: 4000K CRI-90       | WEIGHT:     |
| SPECIFICATION: FULHAM 700 MA                                         | DIMENSION: D-80 H-180 MM | SERIAL No.: |



Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:10-03-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:8.400 m  
Remarks: 4000K

AREA LUMINOUS FLUX

Report number:

|                                                                      |  |  |  |  |  |  |  |  |  |                          |  |  |  |  |             |  |  |  |  |  |
|----------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|--------------------------|--|--|--|--|-------------|--|--|--|--|--|
| MANUFACTURER: DIVINITY LIGHTS                                        |  |  |  |  |  |  |  |  |  |                          |  |  |  |  |             |  |  |  |  |  |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019 |  |  |  |  |  |  |  |  |  |                          |  |  |  |  |             |  |  |  |  |  |
| NAME: PHONEIX 80 TRACK LIGHT                                         |  |  |  |  |  |  |  |  |  | TYPE: 4000K CRI-90       |  |  |  |  | WEIGHT:     |  |  |  |  |  |
| SPECIFICATION: FULHAM 700 MA                                         |  |  |  |  |  |  |  |  |  | DIMENSION: D-80 H-180 MM |  |  |  |  | SERIAL No.: |  |  |  |  |  |

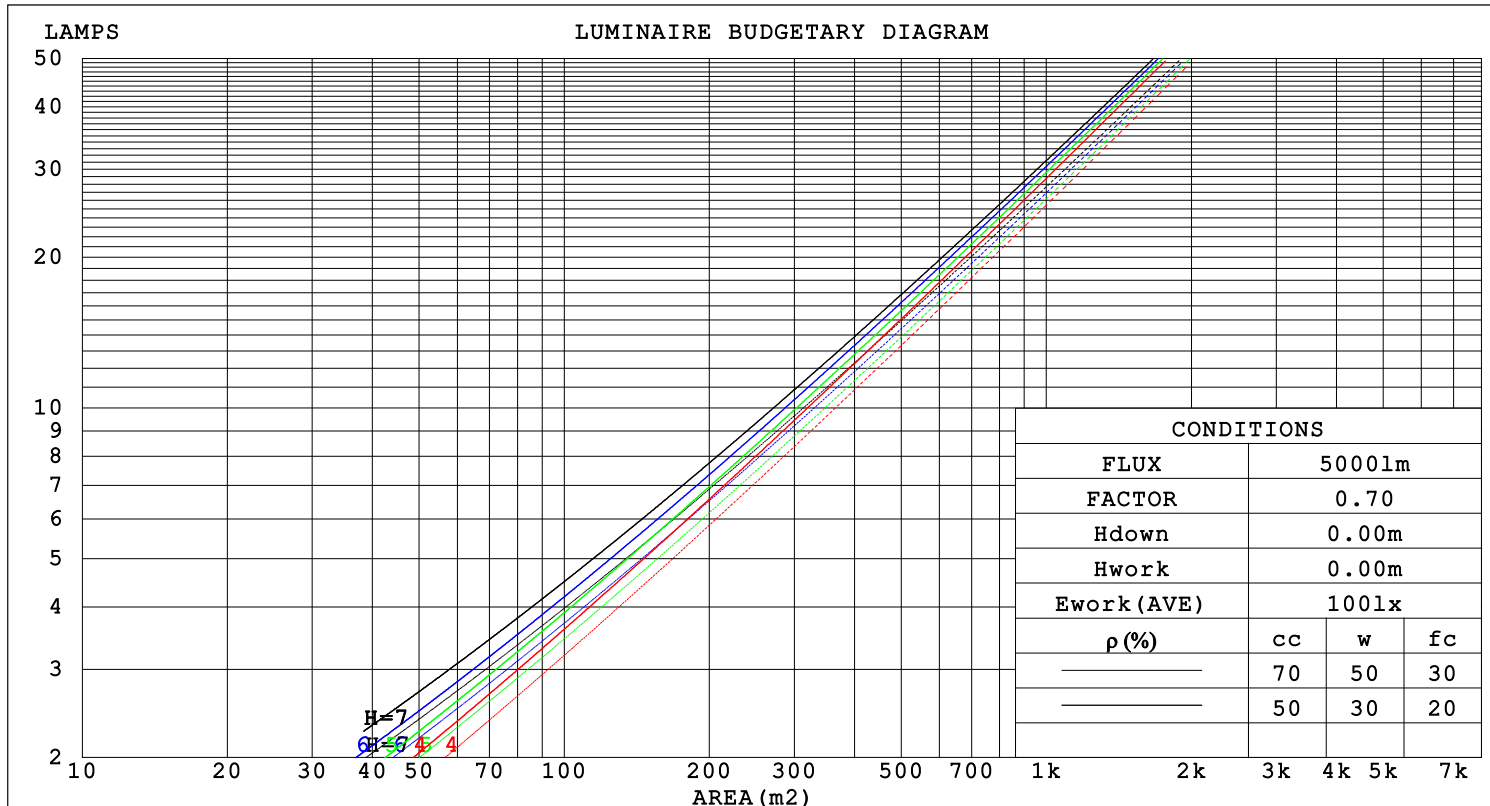
| VERTICAL (DEG) | AREA FLUX DIAGRAM |      |      |      |      |      |      |      |                  |      |      |      |      |      |      |      |      |      | UNIT:lm |      | Φ t  | Φ a |
|----------------|-------------------|------|------|------|------|------|------|------|------------------|------|------|------|------|------|------|------|------|------|---------|------|------|-----|
|                | 72                | 0.06 | 0.11 | 0.14 | 0.17 | 0.18 | 0.19 | 0.25 | 0.31             | 0.37 | 0.37 | 0.32 | 0.27 | 0.22 | 0.21 | 0.19 | 0.17 | 0.13 | 0.09    | 3.74 | 0.00 |     |
|                | 64                | 0.07 | 0.13 | 0.18 | 0.22 | 0.25 | 0.29 | 0.40 | 0.55             | 0.69 | 0.71 | 0.61 | 0.47 | 0.35 | 0.30 | 0.25 | 0.21 | 0.15 | 0.10    | 5.93 | 0.00 |     |
|                | 56                | 0.08 | 0.15 | 0.22 | 0.30 | 0.42 | 0.61 | 1.00 | 1.51             | 1.96 | 2.03 | 1.70 | 1.24 | 0.83 | 0.56 | 0.38 | 0.27 | 0.18 | 0.11    | 13.5 | 0.00 |     |
|                | 48                | 0.09 | 0.16 | 0.28 | 0.47 | 0.89 | 1.70 | 2.95 | 4.82             | 6.38 | 6.65 | 5.50 | 3.72 | 2.28 | 1.27 | 0.68 | 0.36 | 0.21 | 0.12    | 38.5 | 14.6 |     |
|                | 40                | 0.10 | 0.18 | 0.35 | 0.84 | 1.96 | 4.35 | 8.43 | 13.0             | 16.5 | 17.0 | 14.5 | 10.3 | 6.04 | 2.89 | 1.26 | 0.53 | 0.24 | 0.13    | 98.8 | 85.4 |     |
|                | 32                | 0.10 | 0.20 | 0.47 | 1.42 | 3.95 | 9.77 | 17.3 | 24.5             | 29.5 | 30.3 | 26.7 | 20.2 | 12.7 | 6.05 | 2.21 | 0.76 | 0.29 | 0.14    | 187  | 178  |     |
|                | 24                | 0.10 | 0.21 | 0.62 | 2.08 | 7.00 | 16.1 | 26.7 | 35.7             | 41.8 | 43.1 | 39.0 | 30.8 | 20.2 | 10.1 | 3.45 | 1.04 | 0.35 | 0.15    | 279  | 271  |     |
|                |                   | 0.10 | 0.22 | 0.75 | 2.85 | 9.63 | 21.1 | 33.9 | 44.6             | 51.4 | 52.8 | 48.7 | 39.2 | 26.0 | 13.4 | 4.73 | 1.29 | 0.40 | 0.16    | 352  | 345  |     |
|                |                   | 0.10 | 0.22 | 0.81 | 3.29 | 10.9 | 23.5 | 37.5 | 49.5             | 56.3 | 57.6 | 53.3 | 42.5 | 28.9 | 15.2 | 5.47 | 1.45 | 0.42 | 0.16    | 388  | 381  |     |
|                |                   | 0.10 | 0.21 | 0.78 | 3.18 | 10.6 | 23.0 | 36.9 | 48.8             | 55.9 | 57.0 | 52.2 | 41.7 | 28.5 | 14.9 | 5.33 | 1.41 | 0.41 | 0.16    | 382  | 375  |     |
|                |                   | 0.09 | 0.20 | 0.66 | 2.58 | 8.77 | 19.5 | 32.2 | 43.8             | 50.8 | 51.7 | 46.9 | 37.2 | 24.7 | 12.7 | 4.35 | 1.17 | 0.36 | 0.15    | 338  | 331  |     |
|                | -24               | 0.09 | 0.17 | 0.50 | 1.74 | 5.89 | 14.2 | 24.9 | 34.8             | 40.6 | 41.6 | 37.7 | 29.2 | 18.7 | 9.01 | 2.94 | 0.88 | 0.30 | 0.14    | 264  | 256  |     |
|                | -32               | 0.08 | 0.15 | 0.34 | 1.06 | 3.21 | 8.56 | 16.1 | 23.2             | 27.5 | 28.3 | 25.5 | 19.4 | 11.7 | 5.04 | 1.73 | 0.58 | 0.24 | 0.12    | 173  | 164  |     |
|                | -40               | 0.08 | 0.13 | 0.24 | 0.58 | 1.60 | 3.88 | 7.88 | 11.9             | 14.5 | 15.1 | 13.5 | 9.90 | 5.45 | 2.40 | 0.92 | 0.37 | 0.19 | 0.11    | 88.9 | 76.7 |     |
|                | -48               | 0.07 | 0.12 | 0.18 | 0.34 | 0.77 | 1.63 | 2.81 | 4.15             | 5.12 | 5.39 | 4.84 | 3.60 | 2.19 | 1.09 | 0.49 | 0.24 | 0.15 | 0.10    | 33.3 | 9.60 |     |
|                | -56               | 0.06 | 0.10 | 0.15 | 0.25 | 0.41 | 0.68 | 1.03 | 1.32             | 1.51 | 1.58 | 1.52 | 1.27 | 0.88 | 0.53 | 0.30 | 0.18 | 0.12 | 0.09    | 12.0 | 0.00 |     |
|                | -64               | 0.05 | 0.09 | 0.13 | 0.20 | 0.29 | 0.39 | 0.46 | 0.49             | 0.49 | 0.51 | 0.54 | 0.52 | 0.45 | 0.33 | 0.22 | 0.15 | 0.10 | 0.08    | 5.50 | 0.00 |     |
|                | -72               | 0.04 | 0.07 | 0.11 | 0.16 | 0.23 | 0.29 | 0.30 | 0.29             | 0.27 | 0.27 | 0.30 | 0.32 | 0.31 | 0.24 | 0.18 | 0.13 | 0.09 | 0.06    | 3.65 | 0.00 |     |
|                | -72               | -64  | -56  | -48  | -40  | -32  | -24  | -16  | HORIZONTAL (DEG) |      |      |      | 16   | 24   | 32   | 40   | 48   | 56   | 64      | 72   |      |     |
| Φ t            | 1.49              | 2.80 | 6.90 | 21.7 | 67.1 | 150  | 251  | 344  | 402              | 413  | 374  | 292  | 191  | 96.4 | 35.1 | 11.2 | 4.33 | 2.18 | 2689    |      |      |     |
| Φ a            | 0.00              | 0.00 | 0.00 | 3.64 | 53.4 | 139  | 241  | 334  | 392              | 403  | 364  | 282  | 180  | 83.7 | 15.7 | 0.00 | 0.00 | 0.00 |         | 2505 |      |     |

Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:10-03-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:8.400 m  
Remarks: 4000K

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             | 1.10                  | 1.08 | 1.05 | 1.08 | 1.06 | 1.04 | 1.04 | 1.02 | 1.00 | 1.00 | .99  | .97  | .97  | .96  | .95  | .93                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2.0             | 1.02                  | .98  | .94  | 1.00 | .97  | .93  | .97  | .94  | .91  | .94  | .92  | .89  | .91  | .89  | .88  | .86                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3.0             | .95                   | .90  | .86  | .94  | .89  | .85  | .91  | .87  | .84  | .88  | .85  | .82  | .86  | .83  | .81  | .79                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4.0             | .88                   | .83  | .78  | .87  | .82  | .78  | .85  | .81  | .77  | .83  | .79  | .76  | .81  | .78  | .75  | .74                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5.0             | .83                   | .77  | .72  | .82  | .76  | .72  | .80  | .75  | .71  | .78  | .74  | .71  | .77  | .73  | .70  | .68                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 6.0             | .77                   | .71  | .67  | .77  | .71  | .66  | .75  | .70  | .66  | .74  | .69  | .66  | .72  | .68  | .65  | .64                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 7.0             | .73                   | .66  | .62  | .72  | .66  | .62  | .71  | .65  | .62  | .69  | .65  | .61  | .68  | .64  | .61  | .59                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8.0             | .68                   | .62  | .58  | .68  | .62  | .58  | .67  | .61  | .57  | .66  | .61  | .57  | .65  | .60  | .57  | .56                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 9.0             | .64                   | .58  | .54  | .64  | .58  | .54  | .63  | .58  | .54  | .62  | .57  | .54  | .61  | .57  | .54  | .52                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10.0            | .61                   | .55  | .51  | .60  | .55  | .51  | .59  | .54  | .51  | .59  | .54  | .51  | .58  | .54  | .50  | .49                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |



Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:8.400 m  
Remarks: 4000K

WEC AND CCEC

Report number:

|                                                                      |  |  |  |  |  |  |  |                          |  |  |  |             |  |  |
|----------------------------------------------------------------------|--|--|--|--|--|--|--|--------------------------|--|--|--|-------------|--|--|
| MANUFACTURER: DIVINITY LIGHTS                                        |  |  |  |  |  |  |  |                          |  |  |  |             |  |  |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019 |  |  |  |  |  |  |  |                          |  |  |  |             |  |  |
| NAME: PHONEIX 80 TRACK LIGHT                                         |  |  |  |  |  |  |  | TYPE: 4000K CRI-90       |  |  |  | WEIGHT:     |  |  |
| SPECIFICATION: FULHAM 700 MA                                         |  |  |  |  |  |  |  | DIMENSION: D-80 H-180 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  | .187                  | .106 | .034 | .180 | .103 | .033 | .168                            | .096 | .031 | .156 | .090 | .029 | .145 | .084 | .027 |   |
| 2.0  | .179                  | .098 | .030 | .173 | .095 | .029 | .162                            | .090 | .028 | .153 | .086 | .027 | .143 | .081 | .026 |   |
| 3.0  | .170                  | .090 | .027 | .165 | .088 | .027 | .156                            | .085 | .026 | .147 | .081 | .025 | .140 | .077 | .024 |   |
| 4.0  | .162                  | .084 | .025 | .157 | .082 | .024 | .149                            | .079 | .024 | .142 | .076 | .023 | .135 | .073 | .022 |   |
| 5.0  | .154                  | .078 | .023 | .150 | .077 | .022 | .143                            | .075 | .022 | .137 | .072 | .021 | .131 | .070 | .021 |   |
| 6.0  | .146                  | .073 | .021 | .143 | .072 | .021 | .137                            | .070 | .020 | .131 | .068 | .020 | .126 | .066 | .020 |   |
| 7.0  | .140                  | .069 | .020 | .137 | .068 | .019 | .131                            | .066 | .019 | .126 | .065 | .019 | .122 | .063 | .019 |   |
| 8.0  | .134                  | .065 | .018 | .131 | .064 | .018 | .126                            | .063 | .018 | .122 | .062 | .018 | .117 | .060 | .018 |   |
| 9.0  | .128                  | .062 | .017 | .125 | .061 | .017 | .121                            | .060 | .017 | .117 | .059 | .017 | .113 | .057 | .017 |   |
| 10.0 | .122                  | .059 | .016 | .120 | .058 | .016 | .116                            | .057 | .016 | .113 | .056 | .016 | .109 | .055 | .016 |   |

| 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  | .172                  | .157 | .144 | .147 | .135 | .124 | .101                                       | .093 | .086 | .058 | .054 | .050 | .019 | .017 | .016 |   |
| 2.0  | .157                  | .132 | .112 | .135 | .114 | .097 | .092                                       | .079 | .067 | .053 | .046 | .039 | .017 | .015 | .013 |   |
| 3.0  | .145                  | .114 | .088 | .124 | .098 | .077 | .085                                       | .068 | .054 | .049 | .040 | .032 | .016 | .013 | .010 |   |
| 4.0  | .135                  | .099 | .071 | .116 | .086 | .062 | .080                                       | .060 | .044 | .046 | .035 | .026 | .015 | .011 | .008 |   |
| 5.0  | .127                  | .088 | .059 | .109 | .076 | .051 | .075                                       | .053 | .036 | .043 | .031 | .021 | .014 | .010 | .007 |   |
| 6.0  | .119                  | .078 | .049 | .103 | .068 | .043 | .071                                       | .047 | .030 | .041 | .028 | .018 | .013 | .009 | .006 |   |
| 7.0  | .113                  | .071 | .041 | .097 | .061 | .036 | .067                                       | .043 | .025 | .039 | .025 | .015 | .013 | .008 | .005 |   |
| 8.0  | .107                  | .065 | .035 | .092 | .056 | .031 | .064                                       | .039 | .022 | .037 | .023 | .013 | .012 | .008 | .004 |   |
| 9.0  | .102                  | .060 | .031 | .088 | .052 | .027 | .061                                       | .036 | .019 | .036 | .021 | .011 | .012 | .007 | .004 |   |
| 10.0 | .098                  | .055 | .027 | .084 | .048 | .023 | .058                                       | .034 | .017 | .034 | .020 | .010 | .011 | .007 | .003 |   |

Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:10-03-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:8.400 m  
 Remarks: 4000K

Uncorrected UGR Table

Report number:

|                                                                      |               |                  |      |      |                          |               |                |             |      |      |      |
|----------------------------------------------------------------------|---------------|------------------|------|------|--------------------------|---------------|----------------|-------------|------|------|------|
| MANUFACTURER: DIVINITY LIGHTS                                        |               |                  |      |      |                          |               |                |             |      |      |      |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019 |               |                  |      |      |                          |               |                |             |      |      |      |
| NAME: PHONEIX 80 TRACK LIGHT                                         |               |                  |      |      | TYPE: 4000K CRI-90       |               |                | WEIGHT:     |      |      |      |
| SPECIFICATION: FULHAM 700 MA                                         |               |                  |      |      | DIMENSION: D-80 H-180 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                                                        |               | 12.9             | 13.9 | 13.1 | 14.1                     | 14.3          | 12.1           | 13.1        | 12.3 | 13.2 | 13.4 |
|                                                                      | 3H            | 12.8             | 13.7 | 13.1 | 13.9                     | 14.1          | 12.0           | 12.9        | 12.2 | 13.1 | 13.3 |
|                                                                      | 4H            | 12.8             | 13.7 | 13.1 | 13.9                     | 14.1          | 11.9           | 12.8        | 12.2 | 13.0 | 13.2 |
|                                                                      | 6H            | 12.8             | 13.6 | 13.1 | 13.9                     | 14.1          | 11.9           | 12.7        | 12.2 | 12.9 | 13.2 |
|                                                                      | 8H            | 12.8             | 13.6 | 13.1 | 13.9                     | 14.1          | 11.9           | 12.6        | 12.2 | 12.9 | 13.2 |
|                                                                      | 12H           | 12.9             | 13.6 | 13.2 | 13.9                     | 14.1          | 11.9           | 12.6        | 12.2 | 12.9 | 13.1 |
| 4H                                                                   | 2H            | 12.7             | 13.6 | 13.0 | 13.8                     | 14.0          | 11.9           | 12.7        | 12.1 | 12.9 | 13.2 |
|                                                                      | 3H            | 12.6             | 13.4 | 12.9 | 13.6                     | 13.9          | 11.8           | 12.5        | 12.1 | 12.8 | 13.1 |
|                                                                      | 4H            | 12.6             | 13.3 | 13.0 | 13.6                     | 13.9          | 11.8           | 12.5        | 12.2 | 12.8 | 13.1 |
|                                                                      | 6H            | 12.7             | 13.3 | 13.1 | 13.6                     | 14.0          | 11.8           | 12.4        | 12.2 | 12.8 | 13.1 |
|                                                                      | 8H            | 12.7             | 13.3 | 13.1 | 13.6                     | 14.0          | 11.8           | 12.4        | 12.2 | 12.7 | 13.1 |
|                                                                      | 12H           | 12.8             | 13.3 | 13.2 | 13.7                     | 14.1          | 11.8           | 12.3        | 12.3 | 12.7 | 13.1 |
| 8H                                                                   | 4H            | 12.5             | 13.1 | 12.9 | 13.4                     | 13.8          | 11.7           | 12.3        | 12.1 | 12.6 | 13.0 |
|                                                                      | 6H            | 12.6             | 13.1 | 13.0 | 13.5                     | 13.9          | 11.8           | 12.3        | 12.3 | 12.7 | 13.1 |
|                                                                      | 8H            | 12.7             | 13.1 | 13.1 | 13.5                     | 14.0          | 11.9           | 12.3        | 12.3 | 12.7 | 13.2 |
|                                                                      | 12H           | 12.8             | 13.2 | 13.3 | 13.6                     | 14.1          | 12.0           | 12.3        | 12.4 | 12.8 | 13.2 |
| 12H                                                                  | 4H            | 12.5             | 13.0 | 12.9 | 13.4                     | 13.8          | 11.7           | 12.2        | 12.1 | 12.6 | 13.0 |
|                                                                      | 6H            | 12.6             | 13.0 | 13.0 | 13.4                     | 13.9          | 11.8           | 12.2        | 12.3 | 12.6 | 13.1 |
|                                                                      | 8H            | 12.7             | 13.0 | 13.2 | 13.5                     | 13.9          | 11.9           | 12.3        | 12.4 | 12.7 | 13.2 |
| Variations with the observer position at spacings:                   |               |                  |      |      |                          |               |                |             |      |      |      |
| S = 1.0H                                                             | + 2.8 / - 5.4 |                  |      |      |                          | + 2.5 / - 5.2 |                |             |      |      |      |
| 1.5H                                                                 | + 4.8 / - 5.9 |                  |      |      |                          | + 4.2 / - 4.9 |                |             |      |      |      |
| 2.0H                                                                 | + 6.0 / - 2.8 |                  |      |      |                          | + 4.0 / - 2.6 |                |             |      |      |      |

CIE Pub.117 Corrected 2689 lm Total Lamp Luminous Flux.(8log(F/F0) = 3.4)

Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:10-03-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:8.400 m  
Remarks: 4000K

## UTILIZATION FACTORS TABLE

Report number:

|                                                                      |                          |             |
|----------------------------------------------------------------------|--------------------------|-------------|
| MANUFACTURER: DIVINITY LIGHTS                                        |                          |             |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019 |                          |             |
| NAME: PHONEIX 80 TRACK LIGHT                                         | TYPE: 4000K CRI-90       | WEIGHT:     |
| SPECIFICATION: FULHAM 700 MA                                         | DIMENSION: D-80 H-180 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) $k(RI) \times RCR = 5$ |     |           |     |     |     |     |               |     |        |
| $k = 0.60$                       | 84                                                   | 77  | 73        | 84  | 77  | 73  | 83  | 77            | 73  | 69     |
| 0.80                             | 92                                                   | 86  | 82        | 92  | 86  | 82  | 90  | 85            | 81  | 77     |
| 1.00                             | 97                                                   | 91  | 87        | 96  | 91  | 87  | 95  | 91            | 86  | 82     |
| 1.25                             | 102                                                  | 96  | 92        | 101 | 95  | 92  | 99  | 94            | 91  | 87     |
| 1.50                             | 105                                                  | 99  | 96        | 103 | 99  | 95  | 101 | 97            | 94  | 90     |
| 2.00                             | 108                                                  | 103 | 100       | 106 | 102 | 99  | 103 | 100           | 97  | 92     |
| 2.50                             | 109                                                  | 105 | 102       | 108 | 104 | 101 | 105 | 102           | 99  | 93     |
| 3.00                             | 111                                                  | 107 | 104       | 109 | 106 | 103 | 106 | 103           | 101 | 95     |
| 4.00                             | 113                                                  | 110 | 108       | 111 | 109 | 106 | 107 | 105           | 104 | 96     |
| 5.00                             | 114                                                  | 112 | 110       | 112 | 110 | 108 | 108 | 107           | 105 | 98     |
| ROOM INDEX                       | UF (total)                                           |     |           |     |     |     |     |               |     | Direct |
| According to DIN EN 13032-2 2004 |                                                      |     | Suspended |     |     |     |     | SHRNOM = 1.25 |     |        |

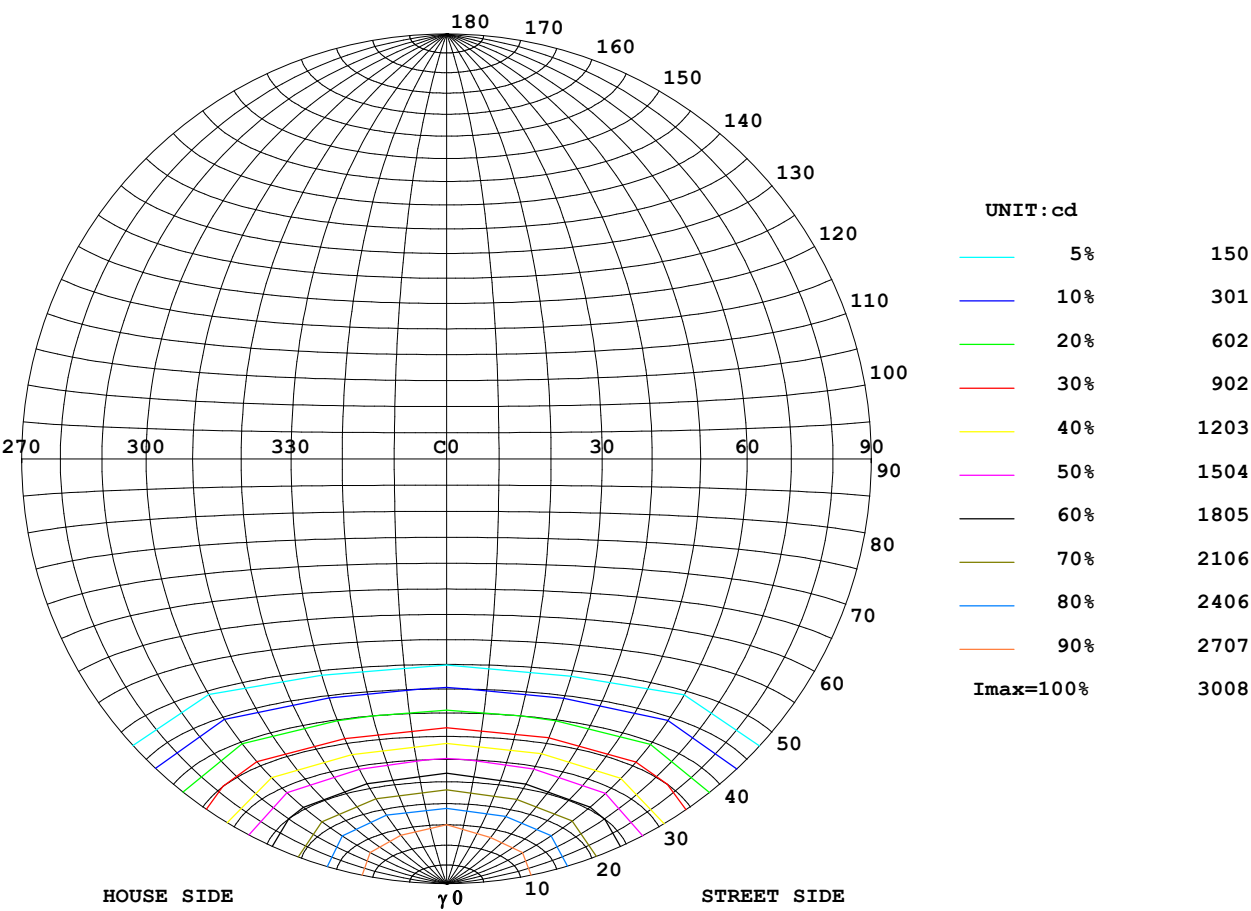
Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:10-03-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:8.400 m  
 Remarks: 4000K

ISOCANDELA DIAGRAM

Report number:

|                                                                      |                          |             |
|----------------------------------------------------------------------|--------------------------|-------------|
| MANUFACTURER: DIVINITY LIGHTS                                        |                          |             |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019 |                          |             |
| NAME: PHONEIX 80 TRACK LIGHT                                         | TYPE: 4000K CRI-90       | WEIGHT:     |
| SPECIFICATION: FULHAM 700 MA                                         | DIMENSION: D-80 H-180 MM | SERIAL No.: |



Test System:HOP00 HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:10-03-2025

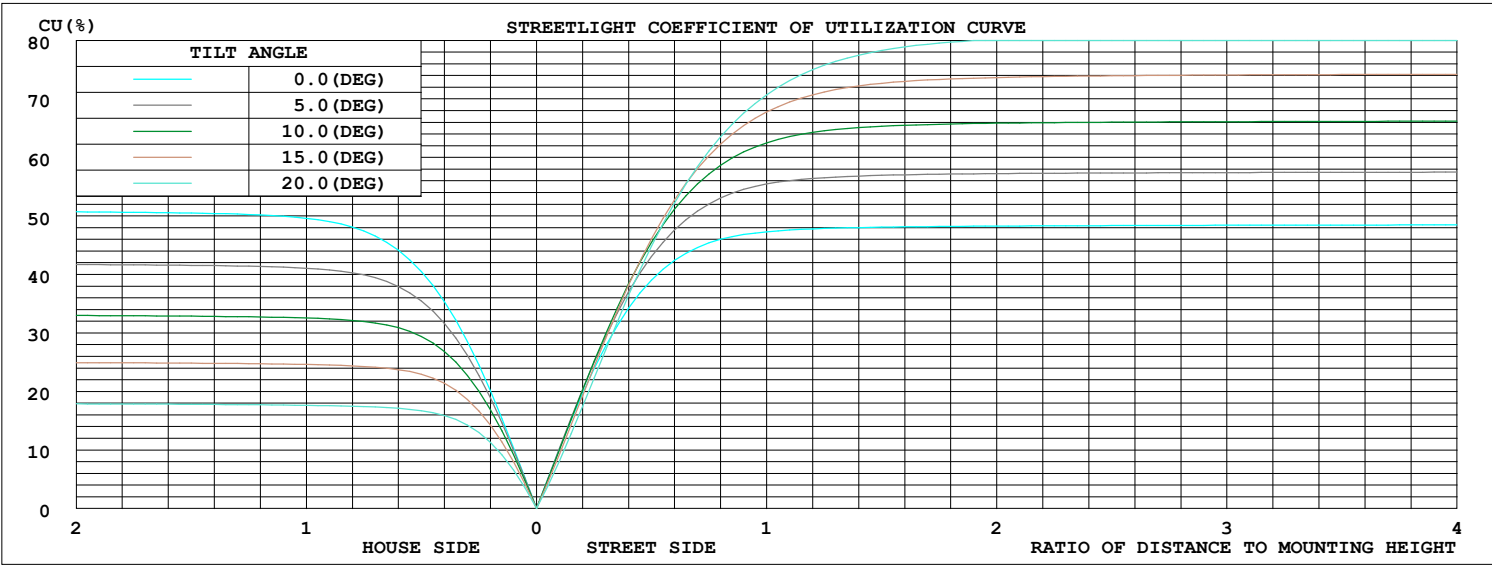
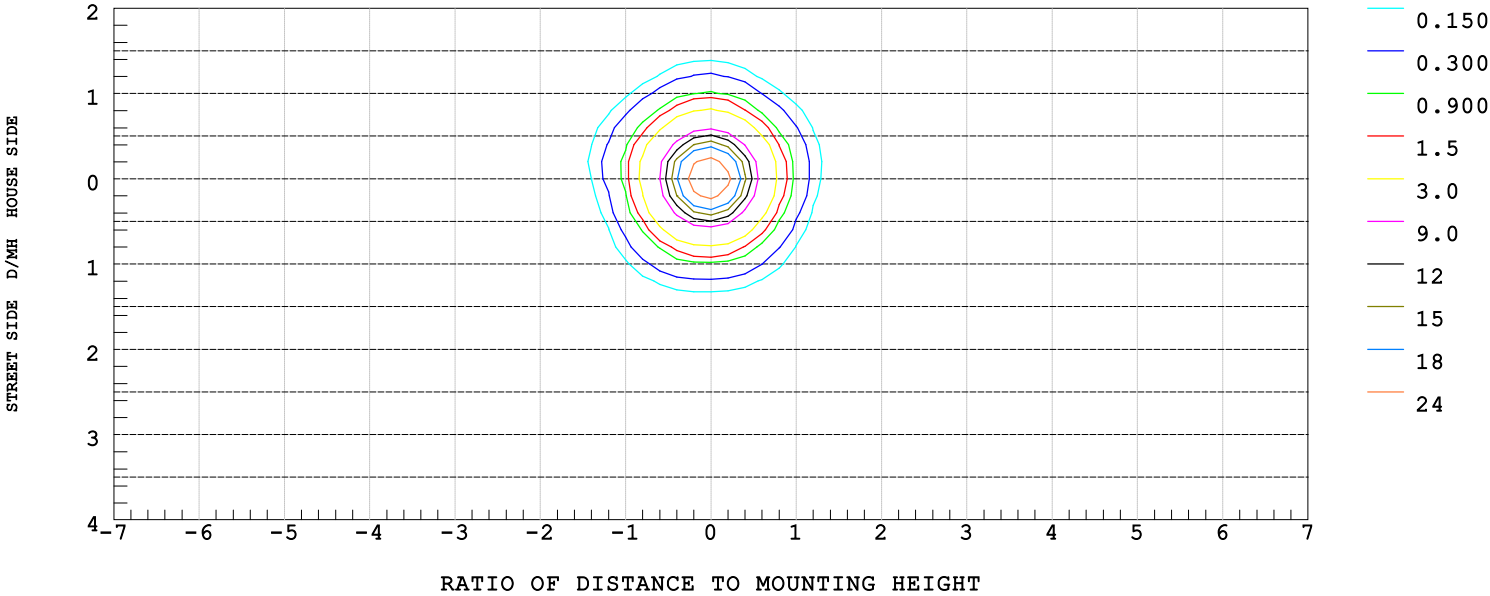
Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:8.400 m  
Remarks: 4000K

ISOLUX DIAGRAM

Report number:

|                                                                      |                          |             |
|----------------------------------------------------------------------|--------------------------|-------------|
| MANUFACTURER: DIVINITY LIGHTS                                        |                          |             |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019 |                          |             |
| NAME: PHONEIX 80 TRACK LIGHT                                         | TYPE: 4000K CRI-90       | WEIGHT:     |
| SPECIFICATION: FULHAM 700 MA                                         | DIMENSION: D-80 H-180 MM | SERIAL No.: |

ILLUMINANCE AT MH=10 m,Enadir = 29.96 lx



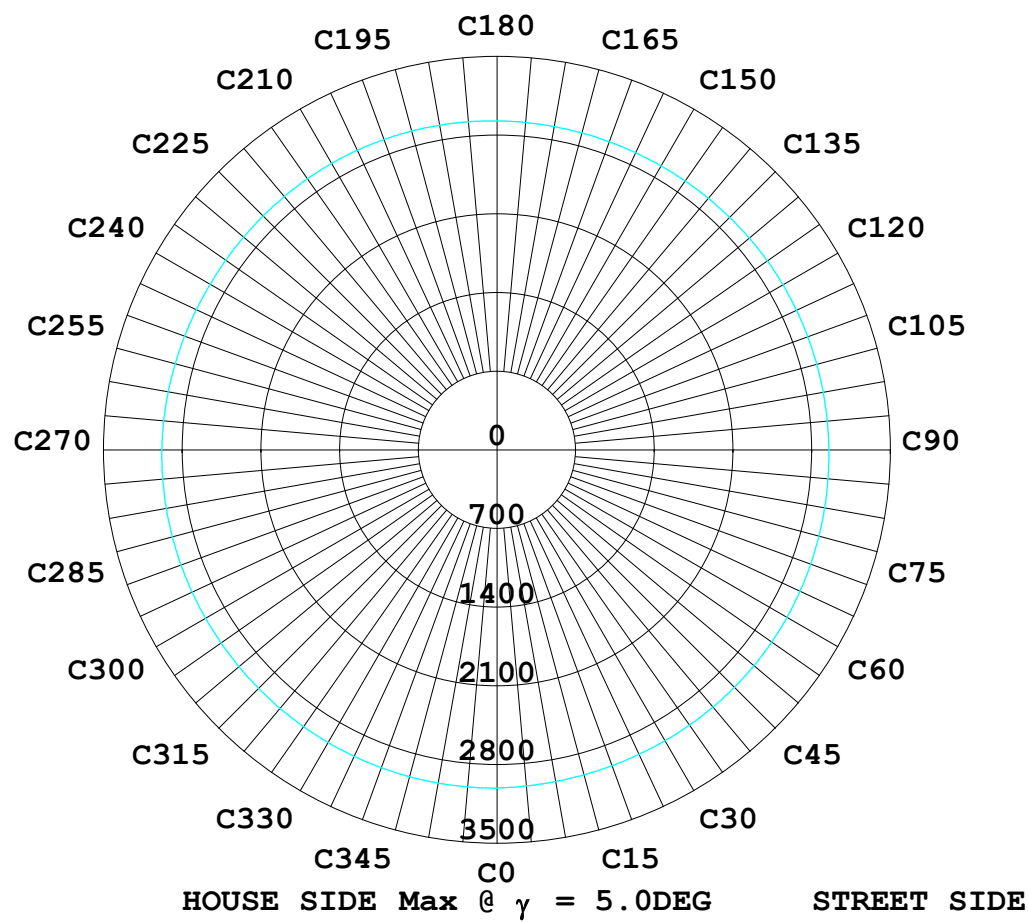
Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:10-03-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:8.400 m  
Remarks: 4000K

ISOCANDELA DIAGRAM

Report number:

|                                                                      |                          |             |
|----------------------------------------------------------------------|--------------------------|-------------|
| MANUFACTURER: DIVINITY LIGHTS                                        |                          |             |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019 |                          |             |
| NAME: PHONEIX 80 TRACK LIGHT                                         | TYPE: 4000K CRI-90       | WEIGHT:     |
| SPECIFICATION: FULHAM 700 MA                                         | DIMENSION: D-80 H-180 MM | SERIAL No.: |



Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:10-03-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:8.400 m  
Remarks: 4000K

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

|                                                                      |                          |             |
|----------------------------------------------------------------------|--------------------------|-------------|
| MANUFACTURER: DIVINITY LIGHTS                                        |                          |             |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019 |                          |             |
| NAME: PHONEIX 80 TRACK LIGHT                                         | TYPE: 4000K CRI-90       | WEIGHT:     |
| SPECIFICATION: FULHAM 700 MA                                         | DIMENSION: D-80 H-180 MM | SERIAL No.: |

UNIT: cd

| C (DEG)<br>γ (DEG) | 0    | 30   | 60   | 90   | 120  | 150  | 180  | 210  | 240  | 270  | 300  | 330  |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0.0                | 2996 | 3000 | 2995 | 2995 | 2997 | 2998 | 2996 | 3000 | 2995 | 2995 | 2997 | 2998 |
| 5.0                | 3008 | 2988 | 2979 | 2952 | 2938 | 2919 | 2927 | 2944 | 2948 | 2982 | 2995 | 3006 |
| 10.0               | 2909 | 2852 | 2830 | 2787 | 2772 | 2716 | 2785 | 2759 | 2792 | 2824 | 2878 | 2929 |
| 15.0               | 2707 | 2614 | 2591 | 2516 | 2501 | 2424 | 2453 | 2494 | 2499 | 2601 | 2641 | 2738 |
| 20.0               | 2320 | 2301 | 2258 | 2161 | 2124 | 2045 | 2078 | 2130 | 2140 | 2239 | 2317 | 2435 |
| 25.0               | 1980 | 1896 | 1843 | 1735 | 1692 | 1602 | 1659 | 1721 | 1744 | 1835 | 1901 | 2017 |
| 30.0               | 1522 | 1445 | 1392 | 1272 | 1236 | 1142 | 1190 | 1282 | 1298 | 1411 | 1440 | 1559 |
| 35.0               | 1058 | 1002 | 964  | 845  | 813  | 723  | 759  | 838  | 852  | 969  | 982  | 1084 |
| 40.0               | 637  | 585  | 562  | 470  | 450  | 374  | 406  | 468  | 475  | 574  | 584  | 671  |
| 45.0               | 309  | 261  | 261  | 200  | 196  | 158  | 170  | 197  | 205  | 275  | 270  | 333  |
| 50.0               | 146  | 117  | 131  | 99.4 | 103  | 74.2 | 82.1 | 107  | 98.1 | 132  | 123  | 156  |
| 55.0               | 71.4 | 52.1 | 62.6 | 41.6 | 48.6 | 31.7 | 34.9 | 49.8 | 41.4 | 63.5 | 56.3 | 78.5 |
| 60.0               | 39.1 | 26.3 | 35.2 | 22.0 | 29.1 | 17.9 | 19.6 | 29.4 | 21.3 | 34.7 | 27.3 | 41.1 |
| 65.0               | 25.4 | 16.2 | 23.7 | 14.9 | 21.5 | 13.5 | 14.8 | 21.3 | 14.1 | 23.0 | 16.2 | 25.8 |
| 70.0               | 19.7 | 12.5 | 18.6 | 11.5 | 17.3 | 10.9 | 12.2 | 17.0 | 11.0 | 17.9 | 12.3 | 19.9 |
| 75.0               | 16.1 | 10.0 | 15.0 | 9.31 | 14.3 | 8.89 | 10.0 | 13.7 | 8.67 | 14.6 | 9.80 | 16.0 |
| 80.0               | 13.6 | 8.32 | 12.4 | 7.33 | 11.3 | 6.35 | 7.69 | 10.7 | 6.49 | 11.7 | 7.69 | 13.0 |
| 85.0               | 9.73 | 5.43 | 8.96 | 4.58 | 8.04 | 3.88 | 4.79 | 7.26 | 3.59 | 8.18 | 4.58 | 9.31 |
| 90.0               | 6.70 | 3.81 | 6.13 | 3.17 | 5.71 | 3.31 | 4.51 | 4.58 | 2.04 | 4.79 | 2.54 | 5.85 |

Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:10-03-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:8.400 m  
Remarks: 4000K