

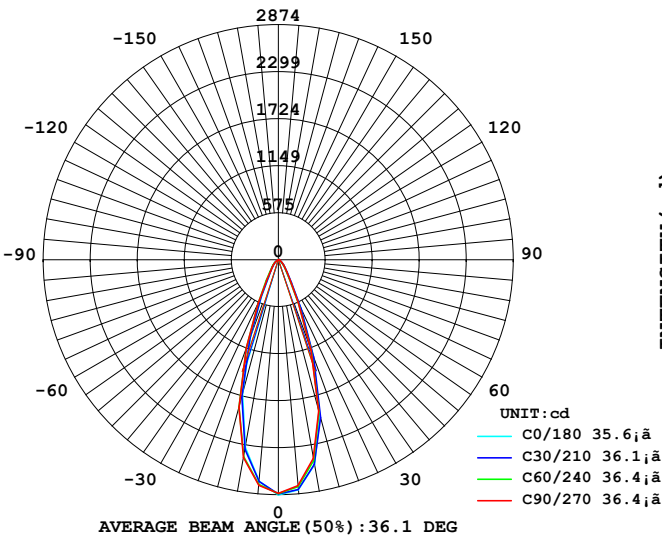
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

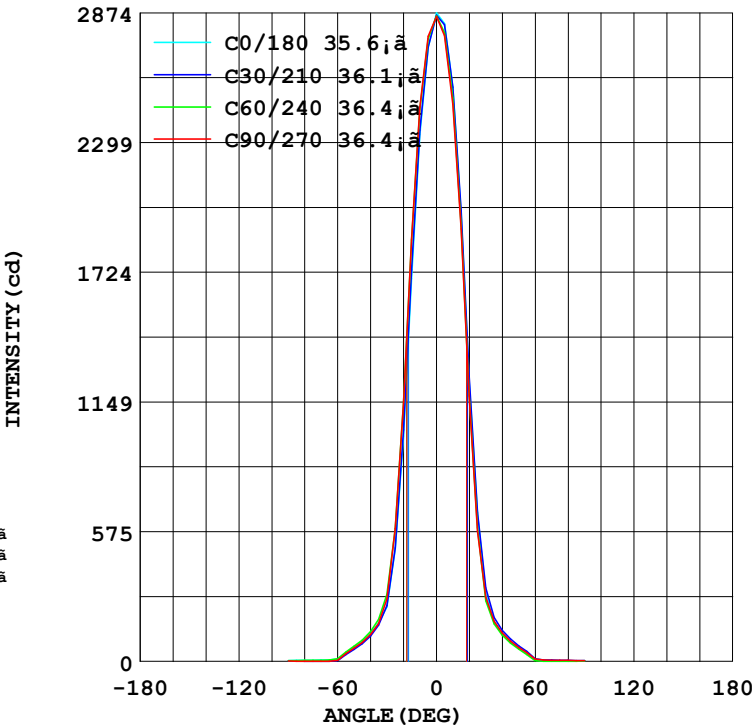
|                                                                       |                          |             |
|-----------------------------------------------------------------------|--------------------------|-------------|
| MANUFACTURER: DIVINITY LIGHTS                                         |                          |             |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi, 301019 |                          |             |
| NAME: MACTY 80 ANTIGLARE                                              | TYPE: 5700K CRI-90       | WEIGHT:     |
| SPECIFICATION: OSRAM 250 MA                                           | DIMENSION: D-80 H-150 MM | SERIAL No.: |

|                   |          |                     |        |                   |       |
|-------------------|----------|---------------------|--------|-------------------|-------|
| DATA OF LAMP      |          | Imax (cd)           | 2874   | S/MH (C0/180)     | 0.54  |
| MODEL             | MACTY 80 | EFFICIENCY (%)      | 100.0  | S/MH (C90/270)    | 0.57  |
| NOMINAL POWER (W) | 10       | TOTAL FLUX (lm)     | 1269.7 | Voltage (V)       | 219.6 |
| RATED VOLTAGE (V) | 220      | EFFICIENCY (lm/W)   | 127.0  | Current (A)       | 0.049 |
| NOMINAL FLUX (lm) | 1269.7   | $\eta$ up (%)       | 0.0    | Power (W)         | 10.00 |
| LAMPS QUANTITY    | 1        | $\eta$ down (%)     | 100.0  | Power Factor (PF) | 0.942 |
| TEST VOLTAGE (V)  | 219.7    | Effictive Flux (lm) | 1043.8 | EEI               | 0.126 |

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:09-27-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:9.000 m  
Remarks: 5700K

Color Temperature Data List

Report number:

|                                                                       |                          |             |
|-----------------------------------------------------------------------|--------------------------|-------------|
| MANUFACTURER: DIVINITY LIGHTS                                         |                          |             |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi, 301019 |                          |             |
| NAME: MACTY 80 ANTIGLARE                                              | TYPE: 5700K CRI-90       | WEIGHT:     |
| SPECIFICATION: OSRAM 250 MA                                           | DIMENSION: D-80 H-150 MM | SERIAL No.: |

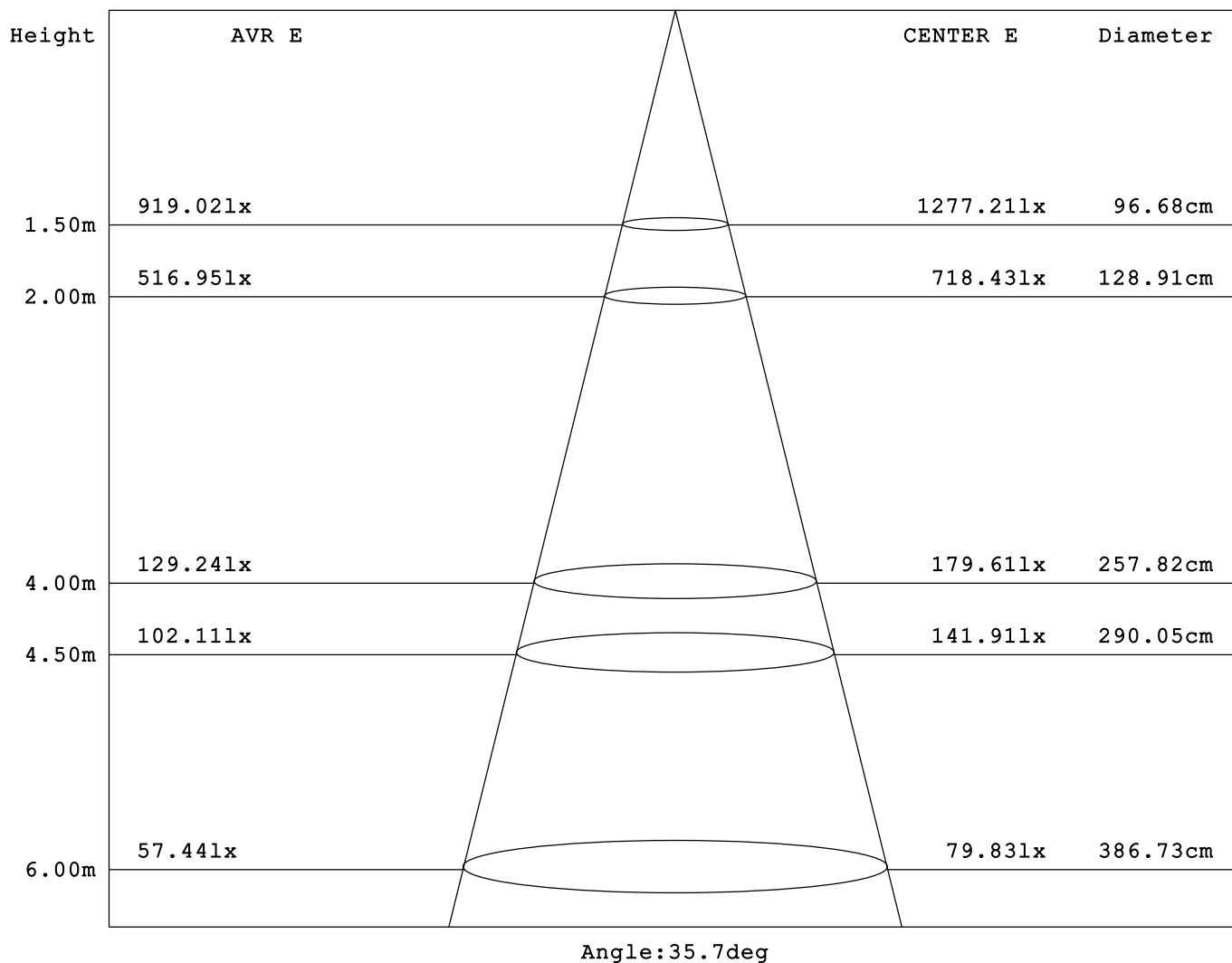
Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:09-27-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:9.000 m  
Remarks: 5700K

AVERAGE AND CENTER E Figure

Report number:

|                                                                       |                          |             |
|-----------------------------------------------------------------------|--------------------------|-------------|
| MANUFACTURER: DIVINITY LIGHTS                                         |                          |             |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi, 301019 |                          |             |
| NAME: MACTY 80 ANTIGLARE                                              | TYPE: 5700K CRI-90       | WEIGHT:     |
| SPECIFICATION: OSRAM 250 MA                                           | DIMENSION: D-80 H-150 MM | SERIAL No.: |



Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:09-27-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:9.000 m  
 Remarks: 5700K

## ZONAL FLUX DIAGRAM

Report number:

|                                                                       |                          |             |
|-----------------------------------------------------------------------|--------------------------|-------------|
| MANUFACTURER: DIVINITY LIGHTS                                         |                          |             |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi, 301019 |                          |             |
| NAME: MACTY 80 ANTIGLARE                                              | TYPE: 5700K CRI-90       | WEIGHT:     |
| SPECIFICATION: OSRAM 250 MA                                           | DIMENSION: D-80 H-150 MM | SERIAL No.: |

| $\gamma$ | C0                    | C45   | C90   | C135  | C180  | C225  | C270  | C315  | $\gamma$ | Zone    | total |
|----------|-----------------------|-------|-------|-------|-------|-------|-------|-------|----------|---------|-------|
| 10.0     | 2334                  | 2401  | 2457  | 2484  | 2545  | 2520  | 2469  | 2374  | 0- 10    | 253.7   | 253.7 |
| 20.0     | 998.7                 | 1087  | 1148  | 1181  | 1241  | 1223  | 1175  | 1048  | 10- 20   | 502.7   | 756.5 |
| 30.0     | 241.0                 | 272.3 | 277.7 | 291.3 | 299.4 | 296.8 | 283.9 | 231.7 | 20- 30   | 287.3   | 1044  |
| 40.0     | 121.9                 | 122.6 | 119.3 | 127.3 | 123.6 | 127.8 | 126.6 | 110.6 | 30- 40   | 114.7   | 1159  |
| 50.0     | 61.55                 | 60.42 | 58.15 | 64.27 | 59.69 | 61.92 | 62.36 | 55.03 | 40- 50   | 68.60   | 1227  |
| 60.0     | 10.28                 | 7.695 | 4.536 | 8.585 | 6.723 | 8.221 | 10.77 | 7.087 | 50- 60   | 31.27   | 1258  |
| 70.0     | 5.832                 | 3.442 | 1.053 | 3.442 | 2.187 | 3.402 | 5.589 | 3.199 | 60- 70   | 4.786   | 1263  |
| 80.0     | 4.698                 | 2.956 | 1.215 | 2.875 | 2.349 | 2.754 | 4.374 | 2.632 | 70- 80   | 3.352   | 1267  |
| 90.0     | 3.888                 | 2.875 | 1.863 | 2.794 | 3.564 | 2.470 | 3.402 | 2.349 | 80- 90   | 3.091   | 1270  |
| 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:09-27-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:9.000 m  
 Remarks: 5700K

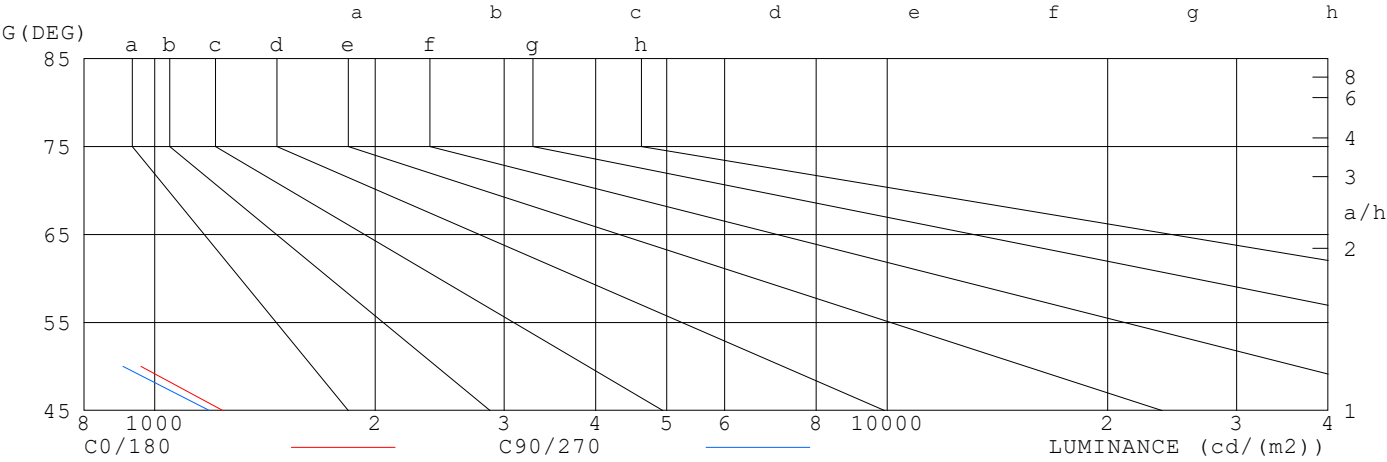
LUMINANCE LIMITATION CURVES

Report number:

|                                                                       |                          |             |
|-----------------------------------------------------------------------|--------------------------|-------------|
| MANUFACTURER: DIVINITY LIGHTS                                         |                          |             |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi, 301019 |                          |             |
| NAME: MACTY 80 ANTIGLARE                                              | TYPE: 5700K CRI-90       | WEIGHT:     |
| SPECIFICATION: OSRAM 250 MA                                           | DIMENSION: D-80 H-150 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      | 493    | 158     |
| 80      | 271    | 70      |
| 75      | 197    | 44      |
| 70      | 171    | 31      |
| 65      | 159    | 25      |
| 60      | 206    | 91      |
| 55      | 626    | 599     |
| 50      | 958    | 905     |
| 45      | 1238   | 1188    |

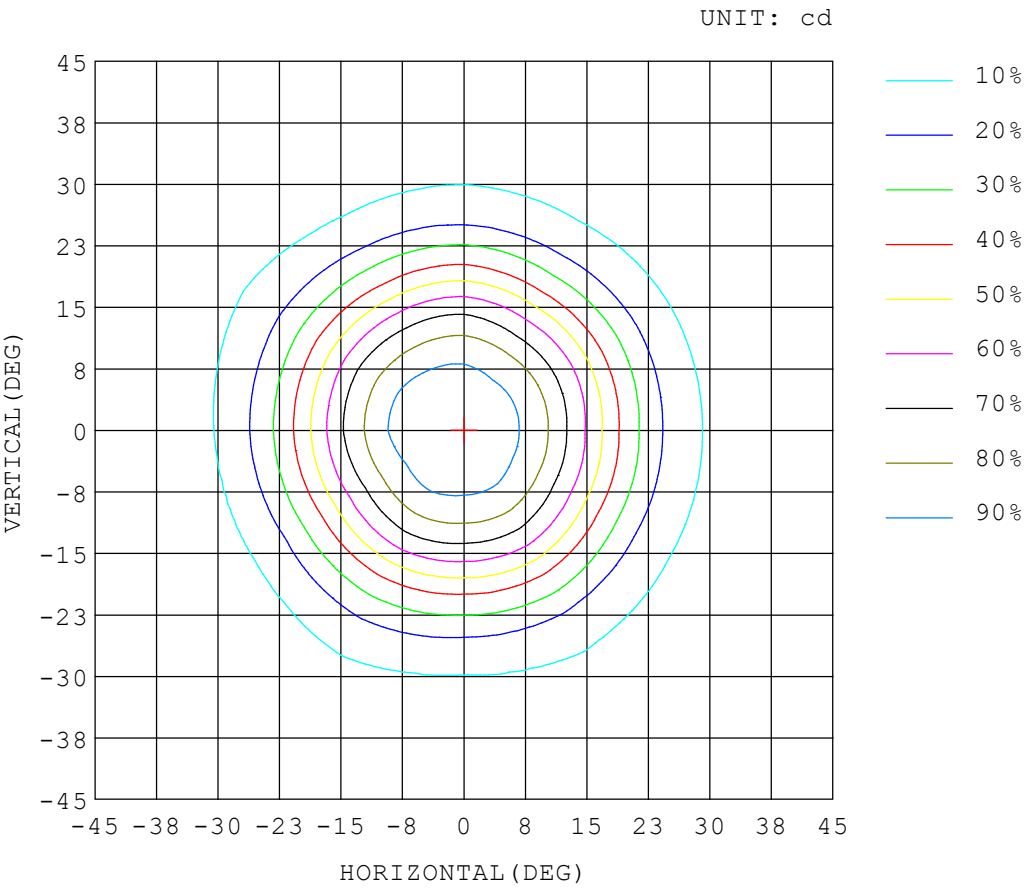
Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:09-27-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:9.000 m  
Remarks: 5700K

ISOCANDELA DIAGRAM

Report number:

|                                                                       |                          |             |
|-----------------------------------------------------------------------|--------------------------|-------------|
| MANUFACTURER: DIVINITY LIGHTS                                         |                          |             |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi, 301019 |                          |             |
| NAME: MACTY 80 ANTIGLARE                                              | TYPE: 5700K CRI-90       | WEIGHT:     |
| SPECIFICATION: OSRAM 250 MA                                           | DIMENSION: D-80 H-150 MM | SERIAL No.: |



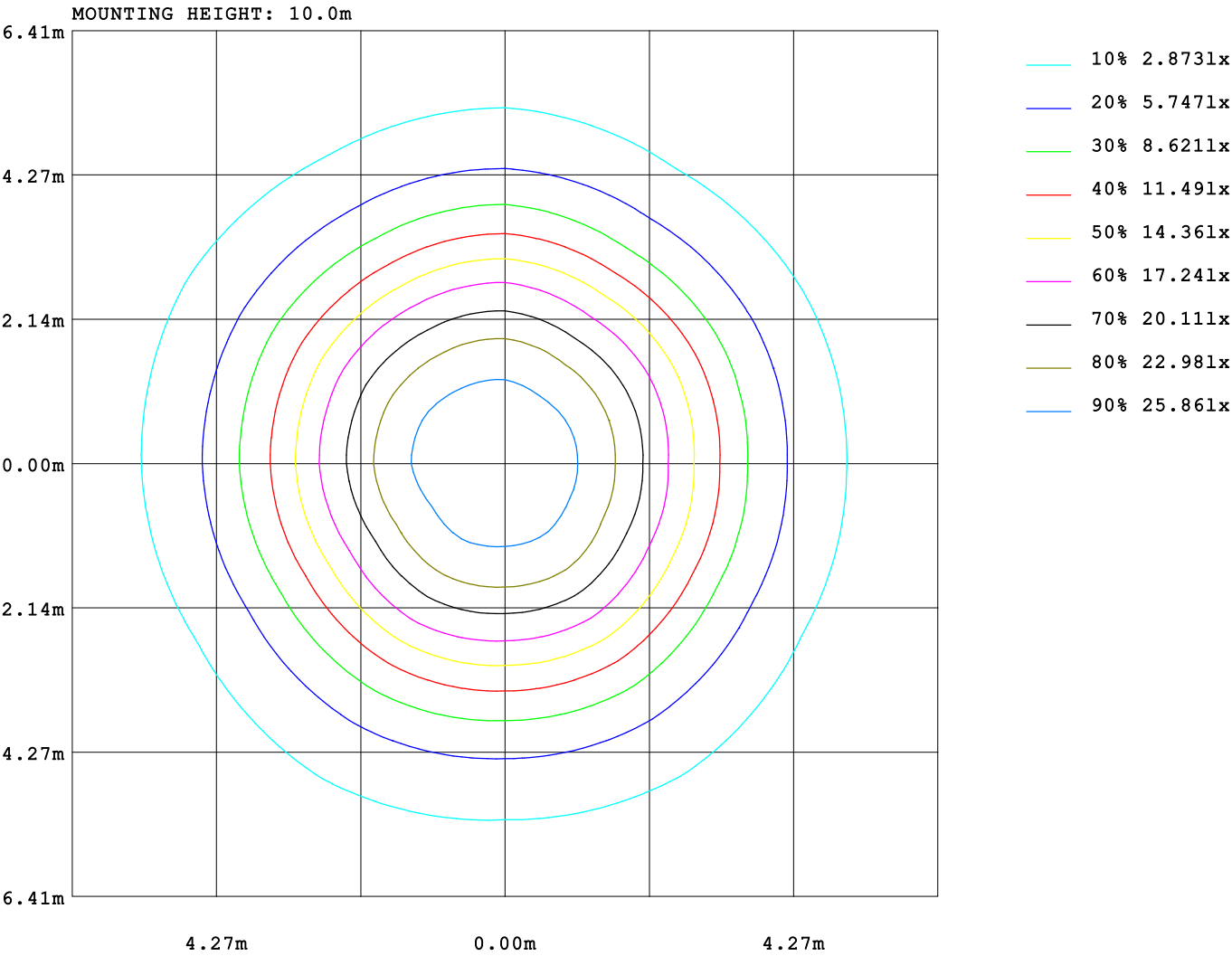
Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:09-27-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:9.000 m  
Remarks: 5700K

ISOLUX DIAGRAM

Report number:

|                                                                       |                          |             |
|-----------------------------------------------------------------------|--------------------------|-------------|
| MANUFACTURER: DIVINITY LIGHTS                                         |                          |             |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi, 301019 |                          |             |
| NAME: MACTY 80 ANTIGLARE                                              | TYPE: 5700K CRI-90       | WEIGHT:     |
| SPECIFICATION: OSRAM 250 MA                                           | DIMENSION: D-80 H-150 MM | SERIAL No.: |



Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:09-27-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:9.000 m  
Remarks: 5700K

## AREA LUMINOUS FLUX

Report number:

|                                                                       |                          |             |
|-----------------------------------------------------------------------|--------------------------|-------------|
| MANUFACTURER: DIVINITY LIGHTS                                         |                          |             |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi, 301019 |                          |             |
| NAME: MACTY 80 ANTIGLARE                                              | TYPE: 5700K CRI-90       | WEIGHT:     |
| SPECIFICATION: OSRAM 250 MA                                           | DIMENSION: D-80 H-150 MM | SERIAL No.: |

| VERTICAL (DEG) | AREA FLUX DIAGRAM |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | UNIT:lm |      |  |  | Φ t | Φ a |
|----------------|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---------|------|--|--|-----|-----|
|                | 45                | 40   | 35   | 30   | 25   | 20   | 15   | 10   | 5    | 0    | 5    | 10   | 15   | 20   | 25   | 30   | 35   | 40   | 45      |      |  |  |     |     |
| 45             | 0.16              | 0.26 | 0.34 | 0.43 | 0.50 | 0.59 | 0.69 | 0.76 | 0.81 | 0.80 | 0.73 | 0.65 | 0.55 | 0.45 | 0.38 | 0.30 | 0.22 | 0.14 | 8.77    | 0.00 |  |  |     |     |
| 40             | 0.26              | 0.37 | 0.48 | 0.59 | 0.70 | 0.82 | 0.96 | 1.06 | 1.13 | 1.12 | 1.01 | 0.88 | 0.73 | 0.62 | 0.52 | 0.42 | 0.32 | 0.22 | 12.2    | 0.00 |  |  |     |     |
| 35             | 0.34              | 0.48 | 0.62 | 0.78 | 0.95 | 1.11 | 1.35 | 1.57 | 1.72 | 1.68 | 1.47 | 1.21 | 0.98 | 0.83 | 0.68 | 0.54 | 0.41 | 0.30 | 17.0    | 0.00 |  |  |     |     |
| 30             | 0.41              | 0.59 | 0.79 | 1.01 | 1.29 | 1.66 | 2.19 | 2.82 | 3.21 | 3.12 | 2.59 | 1.90 | 1.39 | 1.09 | 0.87 | 0.67 | 0.51 | 0.36 | 26.5    | 12.4 |  |  |     |     |
| 25             | 0.47              | 0.69 | 0.97 | 1.33 | 1.91 | 2.92 | 4.24 | 5.64 | 6.52 | 6.34 | 5.15 | 3.62 | 2.38 | 1.50 | 1.09 | 0.82 | 0.60 | 0.43 | 46.6    | 36.7 |  |  |     |     |
| 20             | 0.53              | 0.78 | 1.13 | 1.79 | 3.04 | 5.07 | 7.67 | 10.0 | 11.5 | 11.2 | 9.23 | 6.66 | 4.17 | 2.36 | 1.37 | 0.97 | 0.69 | 0.48 | 78.7    | 71.1 |  |  |     |     |
| 15             | 0.57              | 0.85 | 1.31 | 2.31 | 4.47 | 7.85 | 11.6 | 14.8 | 16.4 | 16.0 | 13.7 | 10.3 | 6.54 | 3.51 | 1.76 | 1.11 | 0.77 | 0.53 | 115     | 108  |  |  |     |     |
| 10             | 0.59              | 0.90 | 1.46 | 2.85 | 5.78 | 10.2 | 15.0 | 18.3 | 19.7 | 19.3 | 17.1 | 13.3 | 8.58 | 4.59 | 2.20 | 1.23 | 0.84 | 0.56 | 143     | 137  |  |  |     |     |
| 5              | 0.60              | 0.91 | 1.53 | 3.18 | 6.55 | 11.4 | 16.5 | 20.0 | 21.3 | 20.9 | 18.8 | 14.8 | 9.68 | 5.20 | 2.46 | 1.30 | 0.87 | 0.58 | 157     | 151  |  |  |     |     |
| 0              | 0.59              | 0.90 | 1.49 | 3.11 | 6.44 | 11.2 | 16.2 | 19.7 | 21.2 | 21.0 | 18.8 | 14.7 | 9.62 | 5.17 | 2.46 | 1.31 | 0.87 | 0.58 | 156     | 150  |  |  |     |     |
| -5             | 0.56              | 0.85 | 1.36 | 2.67 | 5.47 | 9.66 | 14.3 | 18.0 | 19.7 | 19.5 | 17.3 | 13.2 | 8.44 | 4.52 | 2.20 | 1.24 | 0.83 | 0.55 | 141     | 134  |  |  |     |     |
| -10            | 0.52              | 0.78 | 1.18 | 2.04 | 4.05 | 7.34 | 11.2 | 14.7 | 16.3 | 16.1 | 14.2 | 10.5 | 6.52 | 3.44 | 1.79 | 1.11 | 0.76 | 0.51 | 113     | 106  |  |  |     |     |
| -15            | 0.47              | 0.69 | 0.99 | 1.52 | 2.77 | 4.93 | 7.67 | 10.0 | 11.3 | 11.2 | 9.75 | 7.19 | 4.40 | 2.47 | 1.42 | 0.96 | 0.67 | 0.46 | 79.0    | 71.3 |  |  |     |     |
| -20            | 0.41              | 0.60 | 0.84 | 1.20 | 1.83 | 3.01 | 4.53 | 5.83 | 6.53 | 6.45 | 5.59 | 4.20 | 2.77 | 1.72 | 1.15 | 0.81 | 0.57 | 0.40 | 48.4    | 39.3 |  |  |     |     |
| -25            | 0.35              | 0.50 | 0.71 | 0.97 | 1.31 | 1.83 | 2.44 | 3.00 | 3.29 | 3.24 | 2.89 | 2.33 | 1.76 | 1.28 | 0.94 | 0.68 | 0.48 | 0.33 | 28.3    | 15.4 |  |  |     |     |
| -30            | 0.28              | 0.42 | 0.59 | 0.79 | 1.01 | 1.26 | 1.47 | 1.64 | 1.70 | 1.69 | 1.62 | 1.45 | 1.23 | 0.99 | 0.76 | 0.56 | 0.40 | 0.26 | 18.1    | 0.00 |  |  |     |     |
| -35            | 0.22              | 0.34 | 0.48 | 0.63 | 0.79 | 0.94 | 1.03 | 1.09 | 1.10 | 1.10 | 1.08 | 1.01 | 0.91 | 0.76 | 0.60 | 0.45 | 0.32 | 0.20 | 13.0    | 0.00 |  |  |     |     |
| -40            | 0.13              | 0.25 | 0.37 | 0.49 | 0.61 | 0.70 | 0.75 | 0.78 | 0.78 | 0.78 | 0.77 | 0.73 | 0.67 | 0.58 | 0.46 | 0.34 | 0.23 | 0.12 | 9.55    | 0.00 |  |  |     |     |
| -45            |                   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |         |      |  |  |     |     |
|                | -45               | -40  | -35  | -30  | -25  | -20  | -15  | -10  | -5   | 0    | 5    | 10   | 15   | 20   | 25   | 30   | 35   | 40   | 45      |      |  |  |     |     |
| Φ t            | 7.47              | 11.1 | 16.6 | 27.7 | 49.5 | 82.7 | 120  | 150  | 165  | 162  | 142  | 109  | 71.3 | 41.1 | 23.1 | 14.8 | 10.3 | 7.01 | 1270    |      |  |  |     |     |
| Φ a            | 0.00              | 0.00 | 0.30 | 15.1 | 39.4 | 73.9 | 112  | 142  | 157  | 155  | 135  | 101  | 62.5 | 30.8 | 8.87 | 0.00 | 0.00 | 0.00 |         | 1044 |  |  |     |     |

Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
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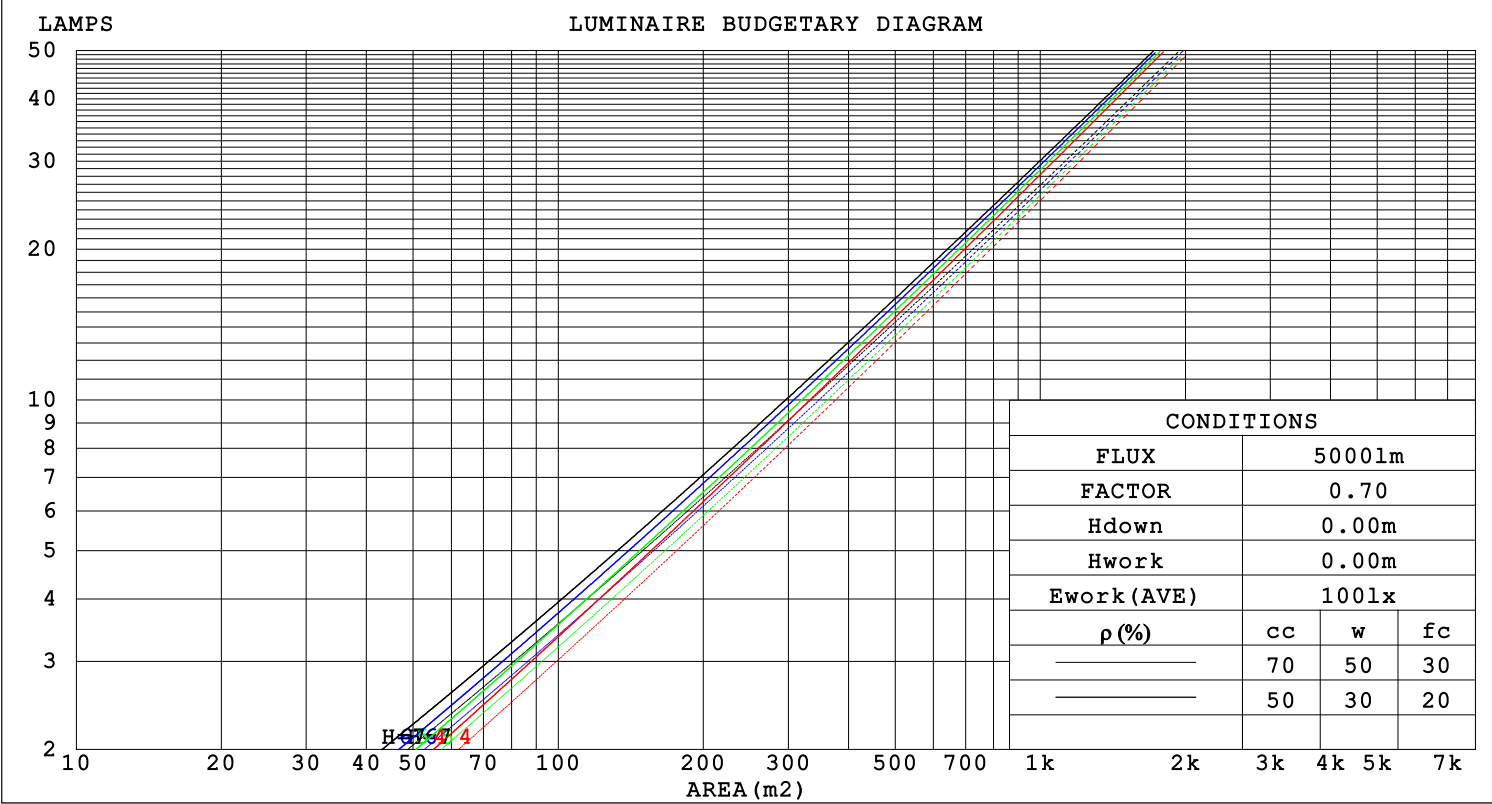
Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:9.000 m  
 Remarks: 5700K

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

|                                                                       |  |  |  |  |  |  |  |                          |  |  |  |             |  |  |  |
|-----------------------------------------------------------------------|--|--|--|--|--|--|--|--------------------------|--|--|--|-------------|--|--|--|
| MANUFACTURER: DIVINITY LIGHTS                                         |  |  |  |  |  |  |  |                          |  |  |  |             |  |  |  |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi, 301019 |  |  |  |  |  |  |  |                          |  |  |  |             |  |  |  |
| NAME: MACTY 80 ANTIGLARE                                              |  |  |  |  |  |  |  | TYPE: 5700K CRI-90       |  |  |  | WEIGHT:     |  |  |  |
| SPECIFICATION: OSRAM 250 MA                                           |  |  |  |  |  |  |  | DIMENSION: D-80 H-150 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    |
| pf <sub>c</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             | 1.11                                                                       | 1.09 | 1.07 | 1.09 | 1.07 | 1.05 | 1.05 | 1.04 | 1.02 | 1.02 | 1.00 | .99  | .98  | .97  | .96  | .94  |
| 2.0             | 1.05                                                                       | 1.01 | .98  | 1.03 | .90  | .97  | .90  | .97  | .95  | .97  | .95  | .93  | .94  | .92  | .91  | .89  |
| 3.0             | .99                                                                        | .94  | .91  | .97  | .93  | .90  | .95  | .91  | .88  | .92  | .89  | .87  | .90  | .88  | .86  | .84  |
| 4.0             | .93                                                                        | .88  | .85  | .92  | .88  | .84  | .90  | .86  | .83  | .88  | .85  | .82  | .86  | .83  | .81  | .80  |
| 5.0             | .88                                                                        | .83  | .79  | .88  | .83  | .79  | .86  | .82  | .78  | .84  | .81  | .78  | .83  | .80  | .77  | .76  |
| 6.0             | .84                                                                        | .79  | .75  | .83  | .78  | .75  | .82  | .78  | .74  | .81  | .77  | .74  | .79  | .76  | .73  | .72  |
| 7.0             | .80                                                                        | .75  | .71  | .80  | .75  | .71  | .78  | .74  | .71  | .77  | .73  | .70  | .76  | .73  | .70  | .69  |
| 8.0             | .77                                                                        | .71  | .68  | .76  | .71  | .68  | .75  | .71  | .67  | .74  | .70  | .67  | .73  | .70  | .67  | .66  |
| 9.0             | .73                                                                        | .68  | .65  | .73  | .68  | .65  | .72  | .68  | .64  | .71  | .67  | .64  | .70  | .67  | .64  | .63  |
| 10.0            | .70                                                                        | .65  | .62  | .70  | .65  | .62  | .69  | .65  | .62  | .69  | .64  | .62  | .68  | .64  | .61  | .60  |



Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:09-27-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:9.000 m  
Remarks: 5700K

WEC AND CCEC

Report number:

|                                                                       |  |  |  |  |  |  |  |                          |  |  |  |             |  |  |
|-----------------------------------------------------------------------|--|--|--|--|--|--|--|--------------------------|--|--|--|-------------|--|--|
| MANUFACTURER: DIVINITY LIGHTS                                         |  |  |  |  |  |  |  |                          |  |  |  |             |  |  |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi, 301019 |  |  |  |  |  |  |  |                          |  |  |  |             |  |  |
| NAME: MACTY 80 ANTIGLARE                                              |  |  |  |  |  |  |  | TYPE: 5700K CRI-90       |  |  |  | WEIGHT:     |  |  |
| SPECIFICATION: OSRAM 250 MA                                           |  |  |  |  |  |  |  | DIMENSION: D-80 H-150 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  | .165                  | .094 | .030 | .159 | .090 | .029 | .146                             | .084 | .027 | .135 | .078 | .025 | .124 | .072 | .023 |   |
| 2.0  | .156                  | .085 | .026 | .150 | .083 | .025 | .140                             | .078 | .024 | .130 | .073 | .023 | .121 | .069 | .022 |   |
| 3.0  | .147                  | .078 | .023 | .142 | .076 | .023 | .133                             | .072 | .022 | .125 | .069 | .021 | .117 | .065 | .020 |   |
| 4.0  | .139                  | .072 | .021 | .135 | .070 | .021 | .127                             | .067 | .020 | .120 | .064 | .019 | .113 | .062 | .019 |   |
| 5.0  | .131                  | .067 | .019 | .128 | .066 | .019 | .121                             | .063 | .019 | .115 | .061 | .018 | .110 | .059 | .018 |   |
| 6.0  | .125                  | .063 | .018 | .122 | .061 | .018 | .116                             | .059 | .017 | .111 | .057 | .017 | .106 | .056 | .017 |   |
| 7.0  | .119                  | .059 | .017 | .116 | .058 | .016 | .111                             | .056 | .016 | .106 | .055 | .016 | .102 | .053 | .016 |   |
| 8.0  | .113                  | .055 | .016 | .111 | .055 | .015 | .106                             | .053 | .015 | .102 | .052 | .015 | .098 | .050 | .015 |   |
| 9.0  | .108                  | .052 | .015 | .106 | .052 | .015 | .102                             | .051 | .014 | .098 | .049 | .014 | .095 | .048 | .014 |   |
| 10.0 | .104                  | .050 | .014 | .102 | .049 | .014 | .098                             | .048 | .014 | .095 | .047 | .013 | .092 | .046 | .013 |   |

| 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  | .170                  | .157 | .146 | .146 | .135 | .125 | .100                                       | .093 | .087 | .057 | .054 | .050 | .018 | .017 | .016 |   |
| 2.0  | .154                  | .133 | .114 | .132 | .114 | .099 | .090                                       | .079 | .069 | .052 | .046 | .040 | .017 | .015 | .013 |   |
| 3.0  | .141                  | .113 | .092 | .121 | .098 | .080 | .083                                       | .068 | .056 | .048 | .040 | .033 | .015 | .013 | .011 |   |
| 4.0  | .130                  | .099 | .075 | .111 | .085 | .065 | .076                                       | .059 | .046 | .044 | .035 | .027 | .014 | .011 | .009 |   |
| 5.0  | .120                  | .087 | .062 | .103 | .075 | .054 | .071                                       | .052 | .038 | .041 | .031 | .023 | .013 | .010 | .007 |   |
| 6.0  | .112                  | .077 | .052 | .096 | .067 | .045 | .066                                       | .047 | .032 | .039 | .027 | .019 | .012 | .009 | .006 |   |
| 7.0  | .105                  | .069 | .044 | .090 | .060 | .038 | .062                                       | .042 | .027 | .036 | .025 | .016 | .012 | .008 | .005 |   |
| 8.0  | .099                  | .063 | .038 | .085 | .055 | .033 | .059                                       | .038 | .023 | .034 | .023 | .014 | .011 | .007 | .005 |   |
| 9.0  | .094                  | .057 | .033 | .081 | .050 | .029 | .056                                       | .035 | .020 | .033 | .021 | .012 | .011 | .007 | .004 |   |
| 10.0 | .089                  | .053 | .029 | .077 | .046 | .025 | .053                                       | .032 | .018 | .031 | .019 | .011 | .010 | .006 | .004 |   |

Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:09-27-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:9.000 m  
 Remarks: 5700K

Uncorrected UGR Table

Report number:

|                                                                       |                          |             |
|-----------------------------------------------------------------------|--------------------------|-------------|
| MANUFACTURER: DIVINITY LIGHTS                                         |                          |             |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi, 301019 |                          |             |
| NAME: MACTY 80 ANTIGLARE                                              | TYPE: 5700K CRI-90       | WEIGHT:     |
| SPECIFICATION: OSRAM 250 MA                                           | DIMENSION: D-80 H-150 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   | 5.8              | 6.6 | 6.0 | 6.8 | 7.0 | 6.4            | 7.2 | 6.6 | 7.4 | 7.5 |
| 3H              | 5.7              | 6.5 | 6.0 | 6.7 | 6.9 | 6.2            | 7.0 | 6.5 | 7.2 | 7.4 |
| 4H              | 5.7              | 6.4 | 6.0 | 6.7 | 6.9 | 6.2            | 6.9 | 6.4 | 7.1 | 7.3 |
| 6H              | 5.8              | 6.5 | 6.1 | 6.7 | 7.0 | 6.1            | 6.8 | 6.4 | 7.0 | 7.3 |
| 8H              | 5.9              | 6.5 | 6.2 | 6.8 | 7.0 | 6.1            | 6.8 | 6.4 | 7.0 | 7.3 |
| 12H             | 6.0              | 6.7 | 6.4 | 6.9 | 7.2 | 6.1            | 6.7 | 6.4 | 7.0 | 7.3 |
| 4H 2H           | 5.7              | 6.4 | 5.9 | 6.6 | 6.8 | 6.2            | 6.9 | 6.5 | 7.1 | 7.4 |
| 3H              | 5.6              | 6.2 | 5.9 | 6.5 | 6.7 | 6.1            | 6.7 | 6.4 | 7.0 | 7.3 |
| 4H              | 5.6              | 6.1 | 5.9 | 6.4 | 6.7 | 6.1            | 6.7 | 6.4 | 6.9 | 7.3 |
| 6H              | 5.7              | 6.2 | 6.1 | 6.5 | 6.9 | 6.1            | 6.6 | 6.4 | 6.9 | 7.3 |
| 8H              | 5.8              | 6.3 | 6.2 | 6.7 | 7.0 | 6.1            | 6.5 | 6.5 | 6.9 | 7.3 |
| 12H             | 6.1              | 6.5 | 6.5 | 6.9 | 7.3 | 6.1            | 6.5 | 6.5 | 6.9 | 7.3 |
| 8H 4H           | 5.5              | 5.9 | 5.9 | 6.3 | 6.7 | 6.0            | 6.5 | 6.4 | 6.8 | 7.2 |
| 6H              | 5.6              | 6.0 | 6.0 | 6.4 | 6.8 | 6.1            | 6.5 | 6.5 | 6.9 | 7.3 |
| 8H              | 5.8              | 6.1 | 6.2 | 6.6 | 7.0 | 6.2            | 6.5 | 6.6 | 6.9 | 7.4 |
| 12H             | 6.2              | 6.5 | 6.6 | 6.9 | 7.4 | 6.3            | 6.6 | 6.8 | 7.1 | 7.5 |
| 12H 4H          | 5.4              | 5.9 | 5.9 | 6.3 | 6.6 | 5.9            | 6.4 | 6.3 | 6.7 | 7.1 |
| 6H              | 5.6              | 6.0 | 6.0 | 6.4 | 6.8 | 6.1            | 6.4 | 6.5 | 6.8 | 7.3 |
| 8H              | 5.8              | 6.1 | 6.3 | 6.5 | 7.0 | 6.2            | 6.5 | 6.7 | 7.0 | 7.4 |

|                                                    |               |               |
|----------------------------------------------------|---------------|---------------|
| Variations with the observer position at spacings: |               |               |
| S = 1.0H                                           | + 2.1 / - 4.1 | + 2.0 / - 4.5 |
| 1.5H                                               | + 1.6 / - 6.4 | + 1.4 / - 5.2 |
| 2.0H                                               | + 4.1 / - 5.3 | + 3.6 / - 5.8 |

CIE Pub.117 Corrected 1270 lm Total Lamp Luminous Flux.(8log(F/F0) = 0.8)

Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:09-27-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:9.000 m  
Remarks: 5700K

## UTILIZATION FACTORS TABLE

Report number:

|                                                                       |                          |             |
|-----------------------------------------------------------------------|--------------------------|-------------|
| MANUFACTURER: DIVINITY LIGHTS                                         |                          |             |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi, 301019 |                          |             |
| NAME: MACTY 80 ANTIGLARE                                              | TYPE: 5700K CRI-90       | WEIGHT:     |
| SPECIFICATION: OSRAM 250 MA                                           | DIMENSION: D-80 H-150 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) $k(RI) \times RCR = 5$ |     |           |     |     |     |     |               |     |        |
| $k = 0.60$                       | 86                                                   | 79  | 75        | 85  | 79  | 75  | 85  | 79            | 75  | 71     |
| 0.80                             | 94                                                   | 88  | 84        | 93  | 87  | 84  | 92  | 87            | 83  | 79     |
| 1.00                             | 98                                                   | 93  | 89        | 98  | 92  | 89  | 96  | 92            | 88  | 84     |
| 1.25                             | 103                                                  | 97  | 94        | 101 | 97  | 93  | 100 | 95            | 92  | 88     |
| 1.50                             | 105                                                  | 100 | 97        | 104 | 100 | 97  | 102 | 98            | 95  | 91     |
| 2.00                             | 108                                                  | 104 | 101       | 107 | 103 | 100 | 104 | 101           | 98  | 93     |
| 2.50                             | 110                                                  | 106 | 103       | 108 | 105 | 102 | 105 | 102           | 100 | 94     |
| 3.00                             | 111                                                  | 108 | 105       | 110 | 107 | 104 | 106 | 104           | 102 | 95     |
| 4.00                             | 114                                                  | 111 | 108       | 111 | 109 | 107 | 108 | 106           | 104 | 97     |
| 5.00                             | 115                                                  | 112 | 110       | 113 | 111 | 109 | 109 | 107           | 106 | 98     |
| ROOM INDEX                       | UF(total)                                            |     |           |     |     |     |     |               |     | Direct |
| According to DIN EN 13032-2 2004 |                                                      |     | Suspended |     |     |     |     | SHRNOM = 1.25 |     |        |

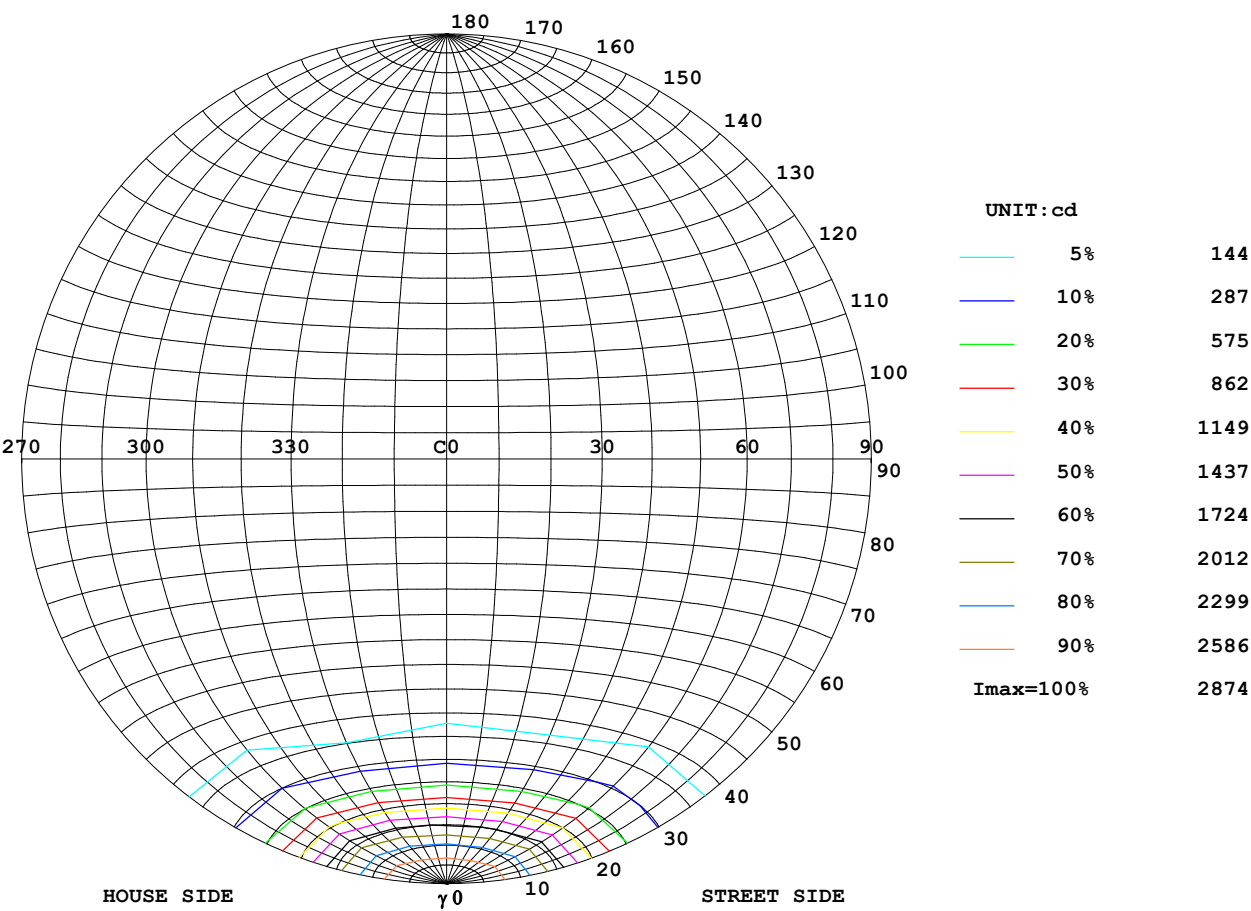
Test System: HOPOO HPG1800  
 Temperature: 25.3 DEG  
 Operators:  
 Test Date: 09-27-2025

Test Set: 5.0 deg/s C-Gamma (TYPE C)  
 Humidity: 65.0%  
 Test Distance: 9.000 m  
 Remarks: 5700K

ISOCANDELA DIAGRAM

Report number:

|                                                                       |                          |             |
|-----------------------------------------------------------------------|--------------------------|-------------|
| MANUFACTURER: DIVINITY LIGHTS                                         |                          |             |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi, 301019 |                          |             |
| NAME: MACTY 80 ANTIGLARE                                              | TYPE: 5700K CRI-90       | WEIGHT:     |
| SPECIFICATION: OSRAM 250 MA                                           | DIMENSION: D-80 H-150 MM | SERIAL No.: |



Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:09-27-2025

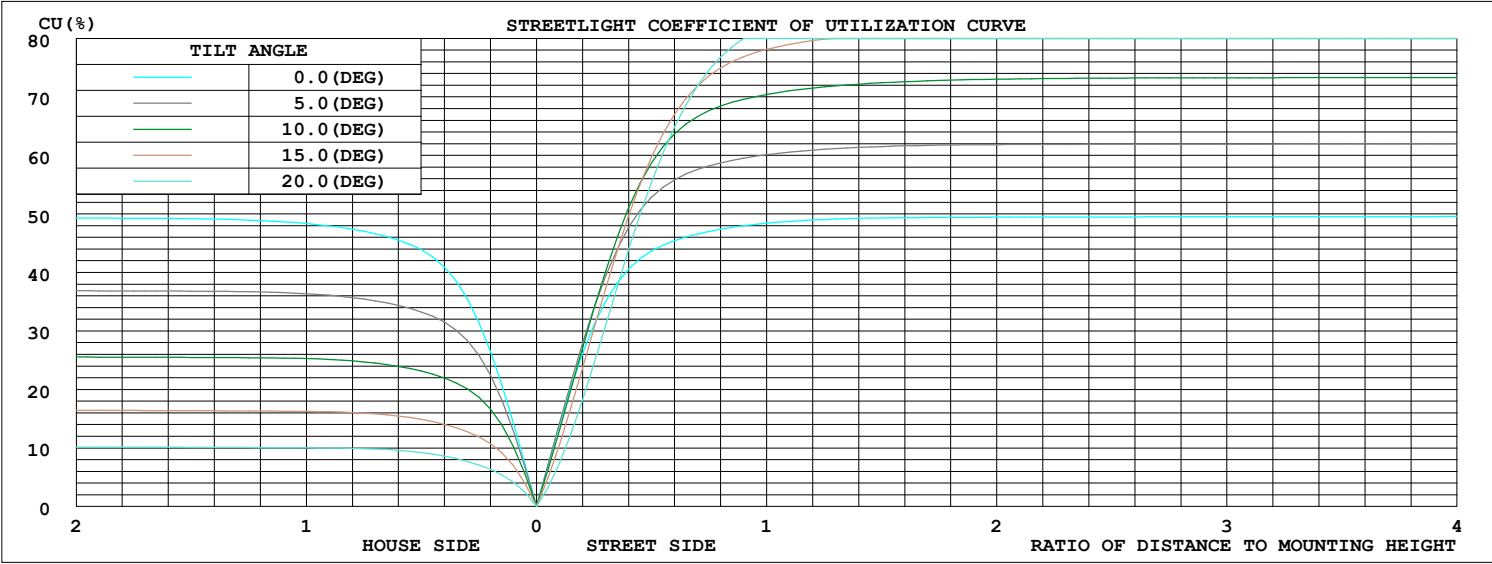
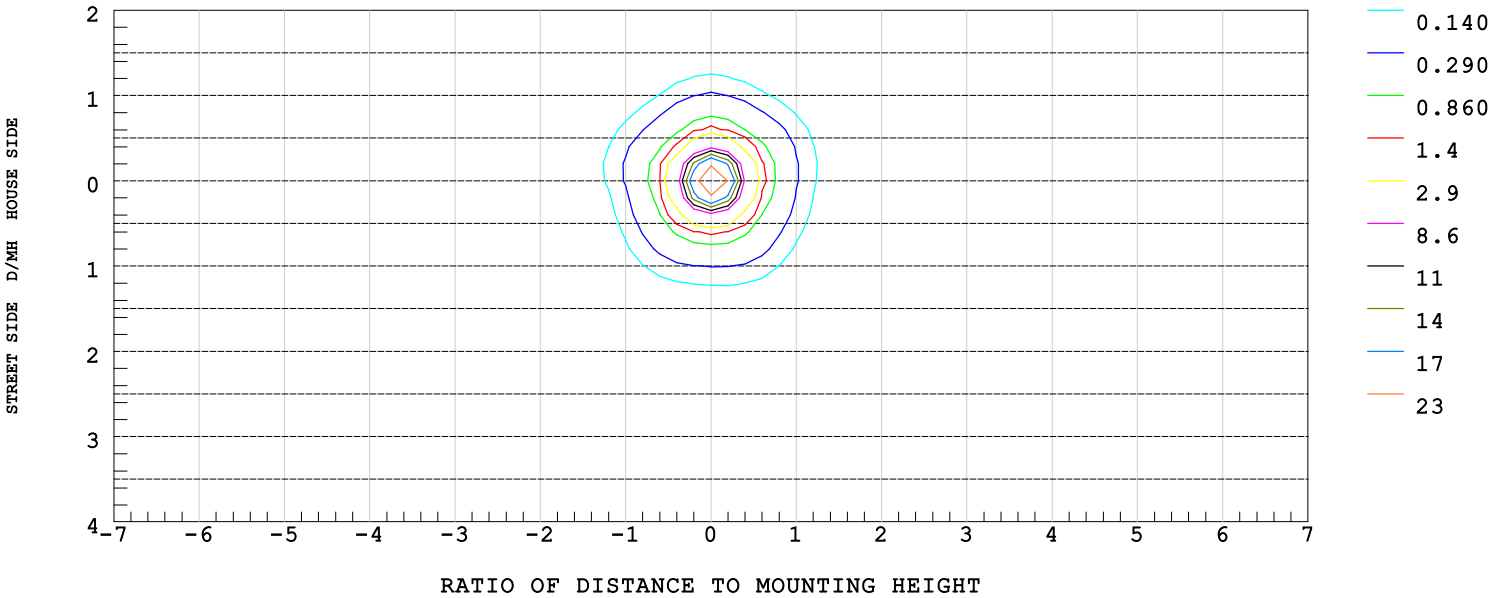
Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:9.000 m  
Remarks: 5700K

ISOLUX DIAGRAM

Report number:

|                                                                       |                          |             |
|-----------------------------------------------------------------------|--------------------------|-------------|
| MANUFACTURER: DIVINITY LIGHTS                                         |                          |             |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi, 301019 |                          |             |
| NAME: MACTY 80 ANTIGLARE                                              | TYPE: 5700K CRI-90       | WEIGHT:     |
| SPECIFICATION: OSRAM 250 MA                                           | DIMENSION: D-80 H-150 MM | SERIAL No.: |

ILLUMINANCE AT MH=10 m,Enadir = 28.74 lx



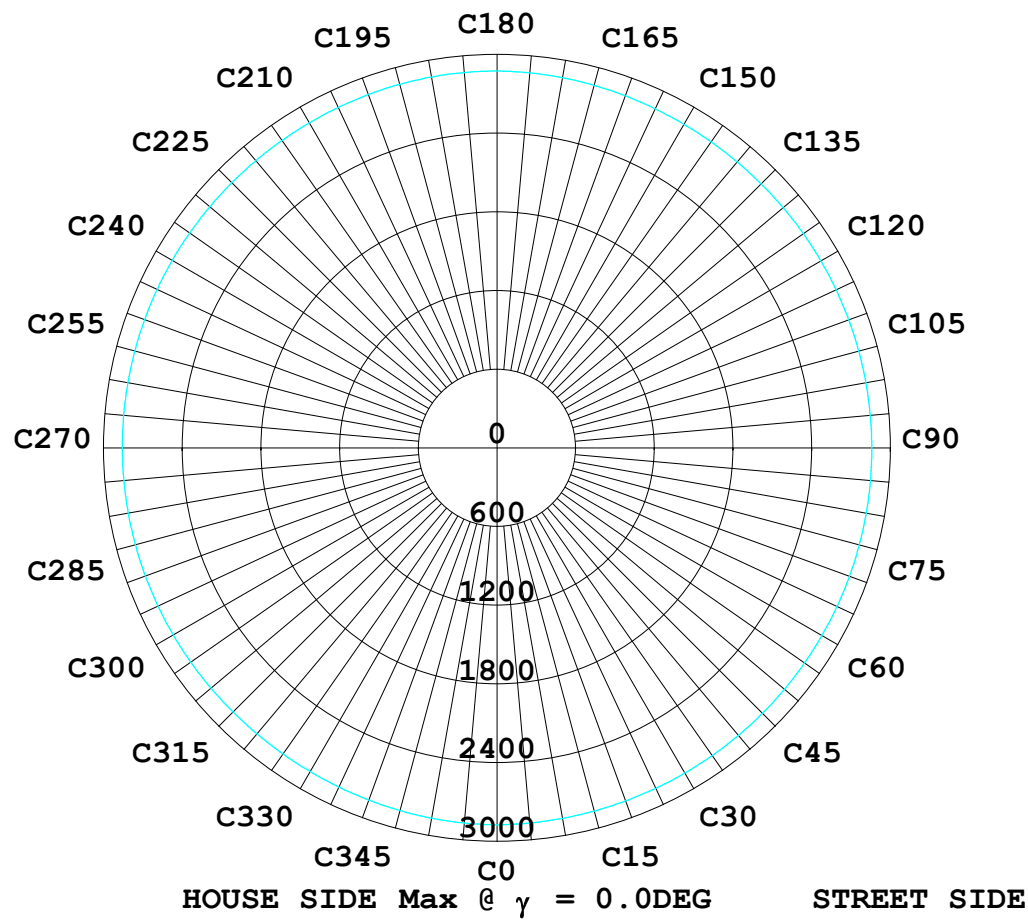
Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:09-27-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:9.000 m  
Remarks: 5700K

ISOCANDELA DIAGRAM

Report number:

|                                                                       |                          |             |
|-----------------------------------------------------------------------|--------------------------|-------------|
| MANUFACTURER: DIVINITY LIGHTS                                         |                          |             |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi, 301019 |                          |             |
| NAME: MACTY 80 ANTIGLARE                                              | TYPE: 5700K CRI-90       | WEIGHT:     |
| SPECIFICATION: OSRAM 250 MA                                           | DIMENSION: D-80 H-150 MM | SERIAL No.: |



Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:09-27-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:9.000 m  
Remarks: 5700K

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

|                                                                       |                          |             |
|-----------------------------------------------------------------------|--------------------------|-------------|
| MANUFACTURER: DIVINITY LIGHTS                                         |                          |             |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi, 301019 |                          |             |
| NAME: MACTY 80 ANTIGLARE                                              | TYPE: 5700K CRI-90       | WEIGHT:     |
| SPECIFICATION: OSRAM 250 MA                                           | DIMENSION: D-80 H-150 MM | SERIAL No.: |

UNIT: cd

| C (DEG)<br>γ (DEG) | 0    | 30   | 60   | 90   | 120  | 150  | 180  | 210  | 240  | 270  | 300  | 330  |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0.0                | 2874 | 2863 | 2861 | 2857 | 2852 | 2850 | 2874 | 2863 | 2861 | 2857 | 2852 | 2850 |
| 5.0                | 2720 | 2723 | 2758 | 2769 | 2789 | 2781 | 2826 | 2821 | 2786 | 2772 | 2726 | 2726 |
| 10.0               | 2334 | 2354 | 2448 | 2457 | 2498 | 2470 | 2545 | 2543 | 2496 | 2469 | 2385 | 2362 |
| 15.0               | 1696 | 1735 | 1865 | 1870 | 1926 | 1880 | 1978 | 1997 | 1930 | 1916 | 1785 | 1767 |
| 20.0               | 999  | 1026 | 1149 | 1148 | 1195 | 1167 | 1241 | 1264 | 1182 | 1175 | 1046 | 1050 |
| 25.0               | 499  | 503  | 588  | 590  | 640  | 594  | 655  | 662  | 591  | 577  | 500  | 519  |
| 30.0               | 241  | 247  | 298  | 278  | 312  | 271  | 299  | 325  | 269  | 284  | 226  | 237  |
| 35.0               | 170  | 161  | 187  | 168  | 189  | 166  | 177  | 196  | 166  | 177  | 145  | 162  |
| 40.0               | 122  | 113  | 133  | 119  | 137  | 118  | 124  | 138  | 117  | 127  | 104  | 118  |
| 45.0               | 87.5 | 78.8 | 94.5 | 83.9 | 99.5 | 83.5 | 87.3 | 99.4 | 81.4 | 89.9 | 73.4 | 85.8 |
| 50.0               | 61.5 | 53.7 | 67.0 | 58.1 | 71.1 | 57.3 | 59.6 | 69.4 | 54.4 | 62.3 | 49.6 | 60.4 |
| 55.0               | 35.8 | 29.8 | 42.1 | 34.3 | 45.4 | 33.5 | 36.9 | 44.6 | 31.1 | 38.3 | 26.9 | 36.8 |
| 60.0               | 10.2 | 3.80 | 11.5 | 4.53 | 12.3 | 4.77 | 6.72 | 12.5 | 3.88 | 10.7 | 3.48 | 10.6 |
| 65.0               | 6.72 | 1.21 | 6.72 | 1.05 | 6.88 | 1.05 | 2.18 | 6.80 | 1.05 | 6.56 | 1.05 | 6.39 |
| 70.0               | 5.83 | 1.21 | 5.67 | 1.05 | 5.75 | 1.13 | 2.18 | 5.75 | 1.05 | 5.58 | 0.97 | 5.42 |
| 75.0               | 5.10 | 1.29 | 5.02 | 1.13 | 5.02 | 1.13 | 2.34 | 5.02 | 1.05 | 4.86 | 0.97 | 4.77 |
| 80.0               | 4.69 | 1.37 | 4.53 | 1.21 | 4.53 | 1.21 | 2.34 | 4.45 | 1.05 | 4.37 | 1.05 | 4.21 |
| 85.0               | 4.29 | 1.53 | 4.13 | 1.37 | 4.21 | 1.37 | 2.59 | 4.05 | 1.21 | 3.96 | 1.05 | 3.80 |
| 90.0               | 3.88 | 1.94 | 3.80 | 1.86 | 3.72 | 1.86 | 3.56 | 3.48 | 1.45 | 3.40 | 1.45 | 3.24 |

Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:09-27-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:9.000 m  
Remarks: 5700K