

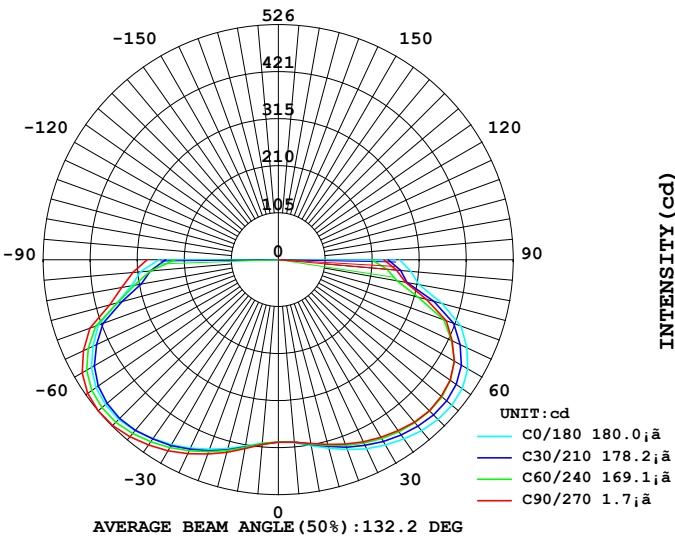
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

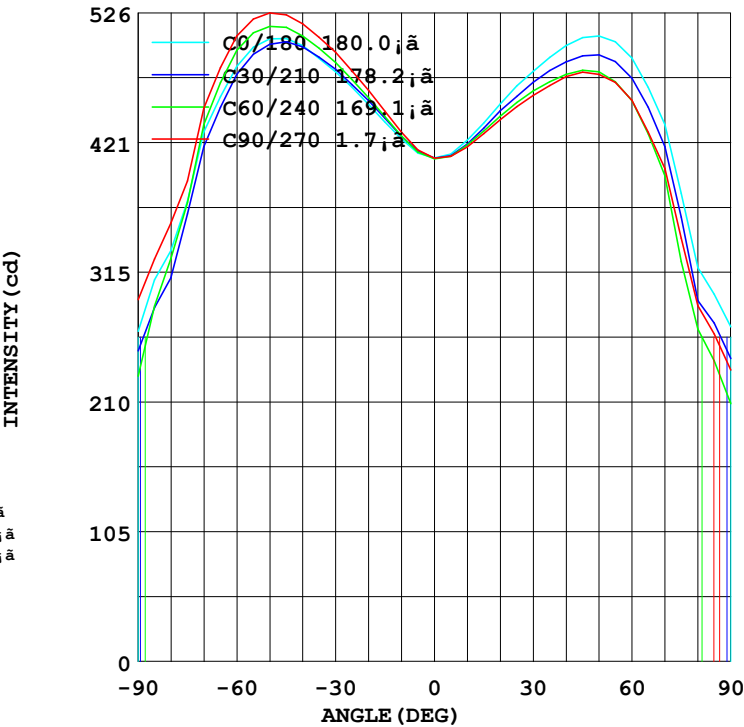
|                                                                      |                          |             |
|----------------------------------------------------------------------|--------------------------|-------------|
| MANUFACTURER: DIVINITY LIGHTS                                        |                          |             |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019 |                          |             |
| NAME: FIRE FOX RING                                                  | TYPE: 3000K CRI-90       | WEIGHT:     |
| SPECIFICATION:                                                       | DIMENSION: D-495 H-90 MM | SERIAL No.: |

|                   |               |                    |        |                   |       |
|-------------------|---------------|--------------------|--------|-------------------|-------|
| DATA OF LAMP      |               | Imax (cd)          | 527.7  | S/MH (C0/180)     | 1.82  |
| MODEL             | FIRE FOX RING | EFFICIENCY (%)     | 100.0  | S/MH (C90/270)    | 1.87  |
| NOMINAL POWER (W) | 40            | TOTAL FLUX (lm)    | 2659.3 | Voltage (V)       | 219.6 |
| RATED VOLTAGE (V) | 220           | EFFICIENCY (lm/W)  | 66.5   | Current (A)       | 0.190 |
| NOMINAL FLUX (lm) | 2659.4        | $\eta$ up (%)      | 0.0    | Power (W)         | 40.00 |
| LAMPS QUANTITY    | 1             | $\eta$ down (%)    | 100.0  | Power Factor (PF) | 0.993 |
| TEST VOLTAGE (V)  | 219.7         | Effictive Flux(lm) | 2659.4 | EEI               | 0.205 |

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:06-18-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:9.500 m  
Remarks: 3000K

Color Temperature Data List

Report number:

|                                                                      |                          |             |
|----------------------------------------------------------------------|--------------------------|-------------|
| MANUFACTURER: DIVINITY LIGHTS                                        |                          |             |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019 |                          |             |
| NAME: FIRE FOX RING                                                  | TYPE: 3000K CRI-90       | WEIGHT:     |
| SPECIFICATION:                                                       | DIMENSION: D-495 H-90 MM | SERIAL No.: |

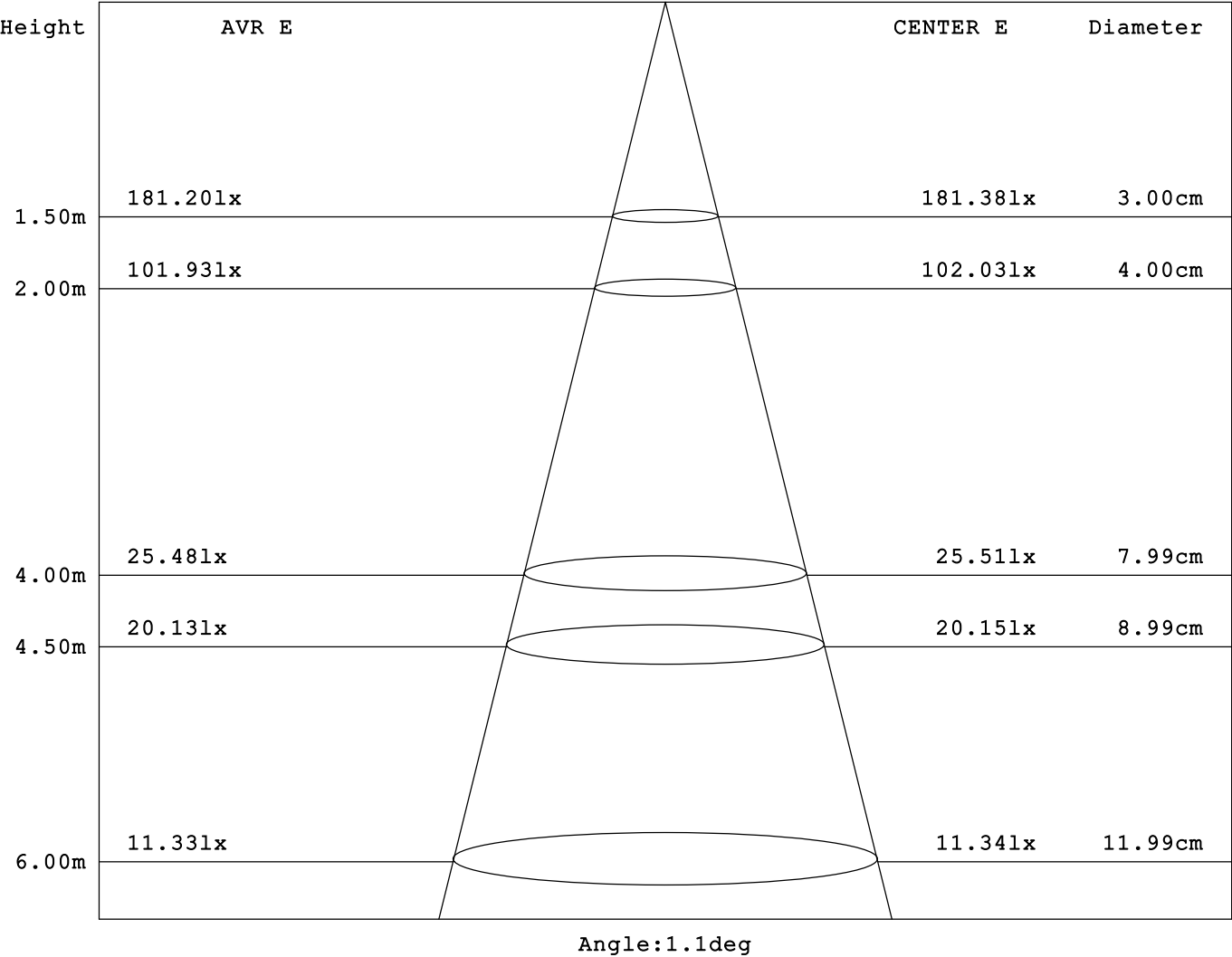
Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:06-18-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:9.500 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: FIRE FOX RING                                                  | TYPE: 3000K CRI-90       | WEIGHT:     |
| SPECIFICATION:                                                       | DIMENSION: D-495 H-90 MM | SERIAL No.: |



Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:06-18-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:9.500 m  
Remarks: 3000K

ZONAL FLUX DIAGRAM

Report number:

|                                                                      |                          |             |
|----------------------------------------------------------------------|--------------------------|-------------|
| MANUFACTURER: DIVINITY LIGHTS                                        |                          |             |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019 |                          |             |
| NAME: FIRE FOX RING                                                  | TYPE: 3000K CRI-90       | WEIGHT:     |
| SPECIFICATION:                                                       | DIMENSION: D-495 H-90 MM | SERIAL No.: |

| γ     | C0                    | C45   | C90   | C135  | C180  | C225  | C270  | C315  | γ       | Zone    | total |
|-------|-----------------------|-------|-------|-------|-------|-------|-------|-------|---------|---------|-------|
| 10.0  | 423.2                 | 425.5 | 428.8 | 426.2 | 422.3 | 418.8 | 416.9 | 418.3 | 0- 10   | 39.62   | 39.62 |
| 20.0  | 451.3                 | 455.6 | 462.7 | 459.3 | 451.6 | 443.9 | 438.9 | 442.5 | 10- 20  | 124.0   | 163.6 |
| 30.0  | 477.8                 | 482.7 | 493.5 | 490.3 | 478.2 | 465.7 | 458.6 | 464.2 | 20- 30  | 214.9   | 378.6 |
| 40.0  | 499.0                 | 502.5 | 516.8 | 514.8 | 499.1 | 480.8 | 474.0 | 481.0 | 30- 40  | 305.6   | 684.2 |
| 50.0  | 504.6                 | 507.5 | 525.7 | 524.2 | 506.9 | 484.6 | 475.7 | 483.2 | 40- 50  | 387.0   | 1071  |
| 60.0  | 482.3                 | 485.4 | 507.0 | 505.7 | 489.0 | 463.5 | 454.7 | 460.0 | 50- 60  | 441.8   | 1513  |
| 70.0  | 429.1                 | 426.0 | 448.3 | 446.6 | 435.0 | 405.4 | 399.6 | 402.6 | 60- 70  | 449.3   | 1963  |
| 80.0  | 332.7                 | 318.6 | 355.2 | 339.8 | 319.0 | 280.8 | 288.3 | 293.0 | 70- 80  | 386.4   | 2349  |
| 90.0  | 267.4                 | 241.4 | 293.3 | 271.2 | 271.1 | 227.2 | 236.1 | 226.4 | 80- 90  | 310.3   | 2659  |
| 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:06-18-2025

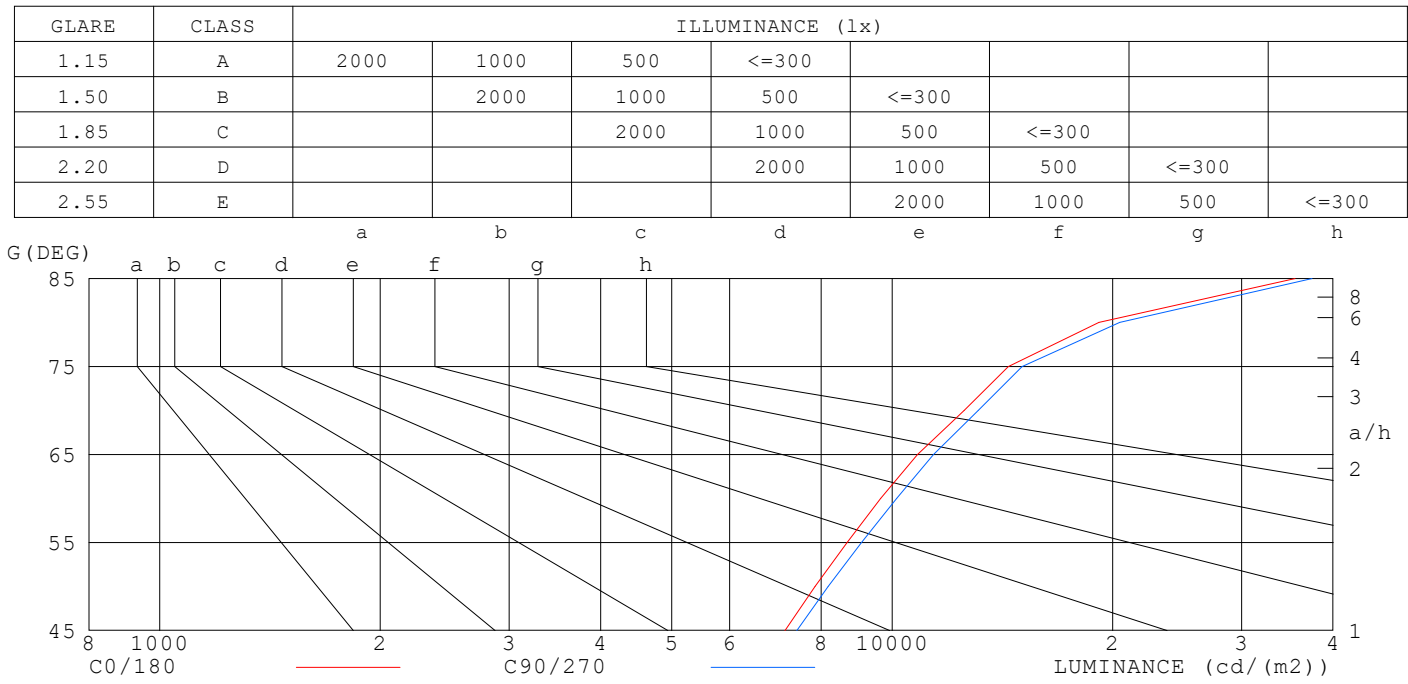
Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:9.500 m  
Remarks: 3000K

LUMINANCE LIMITATION CURVES

Report number:

|                                                                      |                          |             |
|----------------------------------------------------------------------|--------------------------|-------------|
| MANUFACTURER: DIVINITY LIGHTS                                        |                          |             |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019 |                          |             |
| NAME: FIRE FOX RING                                                  | TYPE: 3000K CRI-90       | WEIGHT:     |
| SPECIFICATION:                                                       | DIMENSION: D-495 H-90 MM | SERIAL No.: |

LUMINANCE LIMITATION CURVES



LUMINANCE cd/m2

| G (DEG) | C0/180 | C90/270 |
|---------|--------|---------|
| 85      | 35497  | 37433   |
| 80      | 19162  | 20457   |
| 75      | 14412  | 15050   |
| 70      | 12547  | 13109   |
| 65      | 10829  | 11389   |
| 60      | 9648   | 10140   |
| 55      | 8678   | 9077    |
| 50      | 7851   | 8179    |
| 45      | 7141   | 7412    |

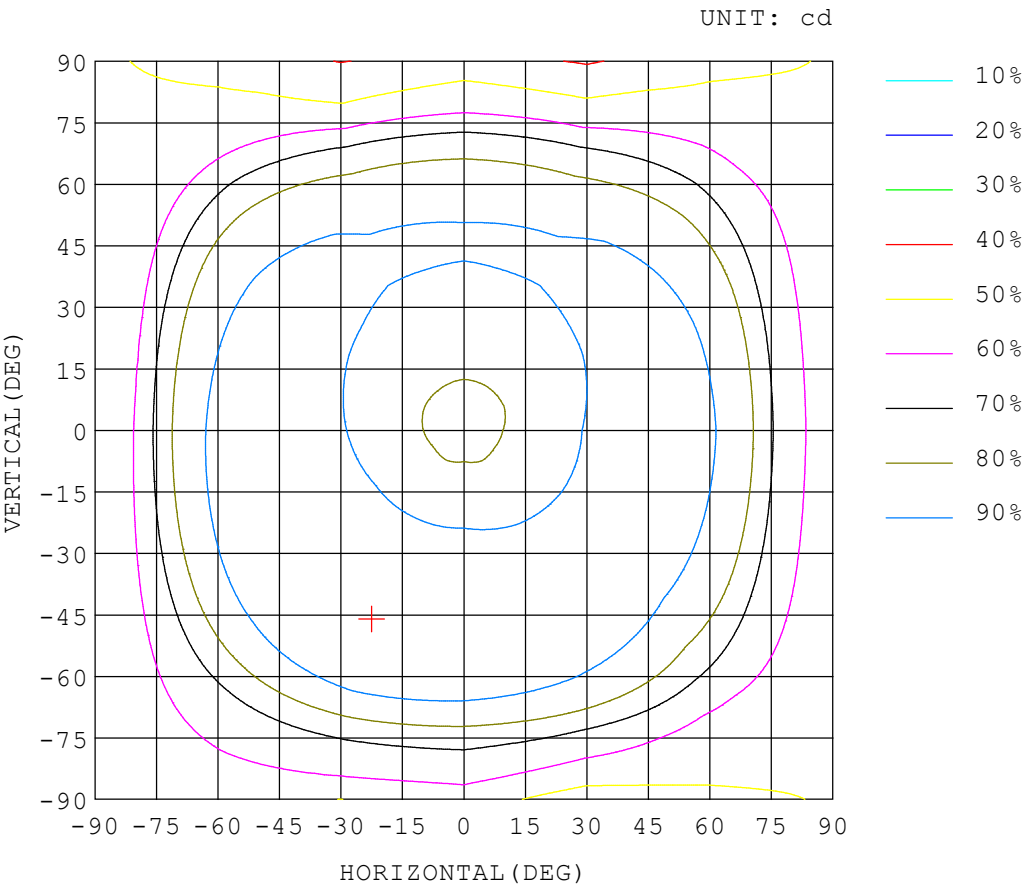
Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:06-18-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:9.500 m  
Remarks: 3000K

ISOCANDELA DIAGRAM

Report number:

|                                                                      |                          |             |
|----------------------------------------------------------------------|--------------------------|-------------|
| MANUFACTURER: DIVINITY LIGHTS                                        |                          |             |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019 |                          |             |
| NAME: FIRE FOX RING                                                  | TYPE: 3000K CRI-90       | WEIGHT:     |
| SPECIFICATION:                                                       | DIMENSION: D-495 H-90 MM | SERIAL No.: |



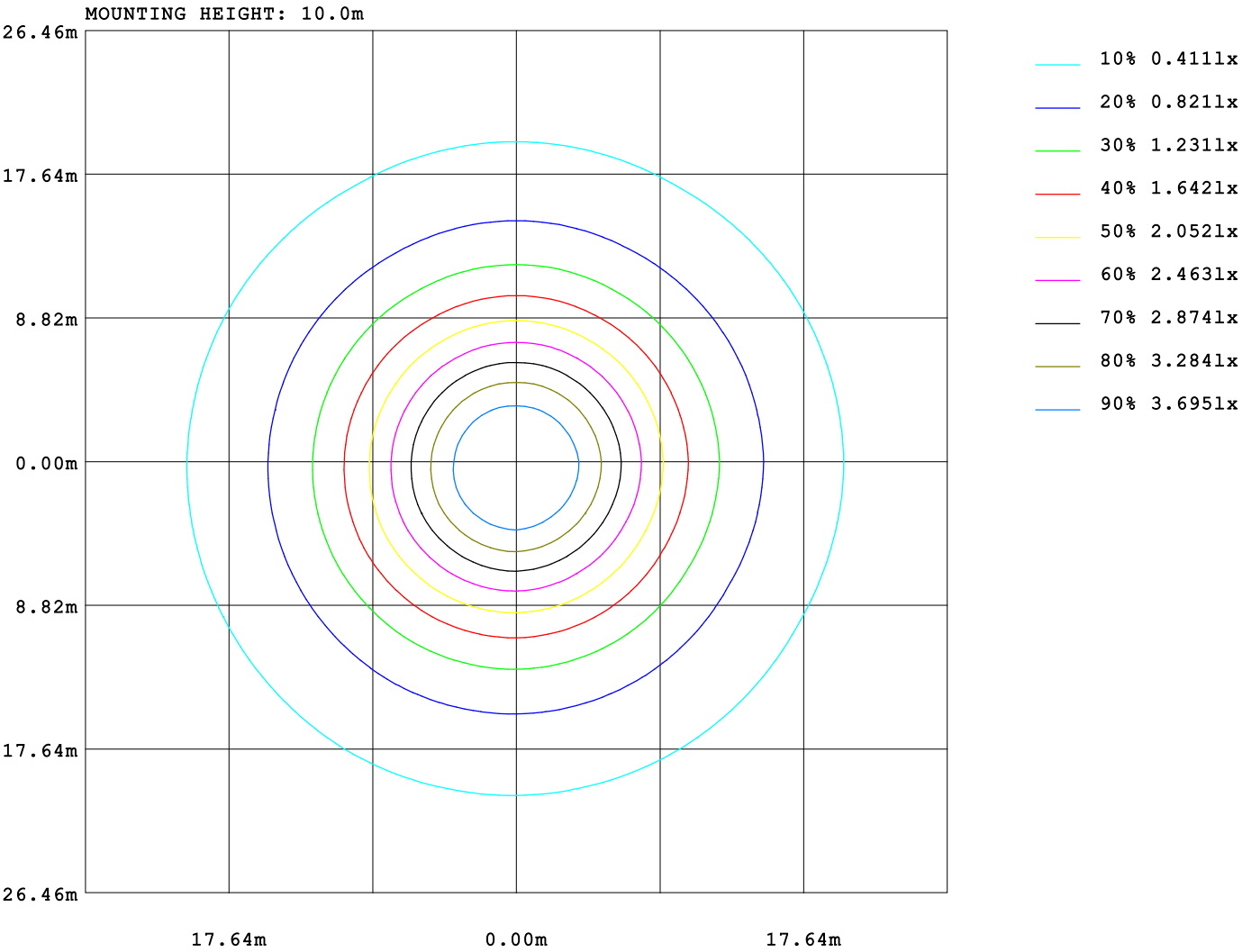
Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:06-18-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:9.500 m  
Remarks: 3000K

ISOLUX DIAGRAM

Report number:

|                                                                      |                          |             |
|----------------------------------------------------------------------|--------------------------|-------------|
| MANUFACTURER: DIVINITY LIGHTS                                        |                          |             |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019 |                          |             |
| NAME: FIRE FOX RING                                                  | TYPE: 3000K CRI-90       | WEIGHT:     |
| SPECIFICATION:                                                       | DIMENSION: D-495 H-90 MM | SERIAL No.: |



Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:06-18-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:9.500 m  
Remarks: 3000K

AREA LUMINOUS FLUX

Report number:

|                                                                      |  |  |  |  |  |  |  |  |  |                          |  |  |  |  |             |  |  |  |  |  |
|----------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|--------------------------|--|--|--|--|-------------|--|--|--|--|--|
| MANUFACTURER: DIVINITY LIGHTS                                        |  |  |  |  |  |  |  |  |  |                          |  |  |  |  |             |  |  |  |  |  |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019 |  |  |  |  |  |  |  |  |  |                          |  |  |  |  |             |  |  |  |  |  |
| NAME: FIRE FOX RING                                                  |  |  |  |  |  |  |  |  |  | TYPE: 3000K CRI-90       |  |  |  |  | WEIGHT:     |  |  |  |  |  |
| SPECIFICATION:                                                       |  |  |  |  |  |  |  |  |  | DIMENSION: D-495 H-90 MM |  |  |  |  | SERIAL No.: |  |  |  |  |  |

| 90<br>80<br>70<br>60<br>50<br>40<br>30<br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><b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Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:06-18-2025

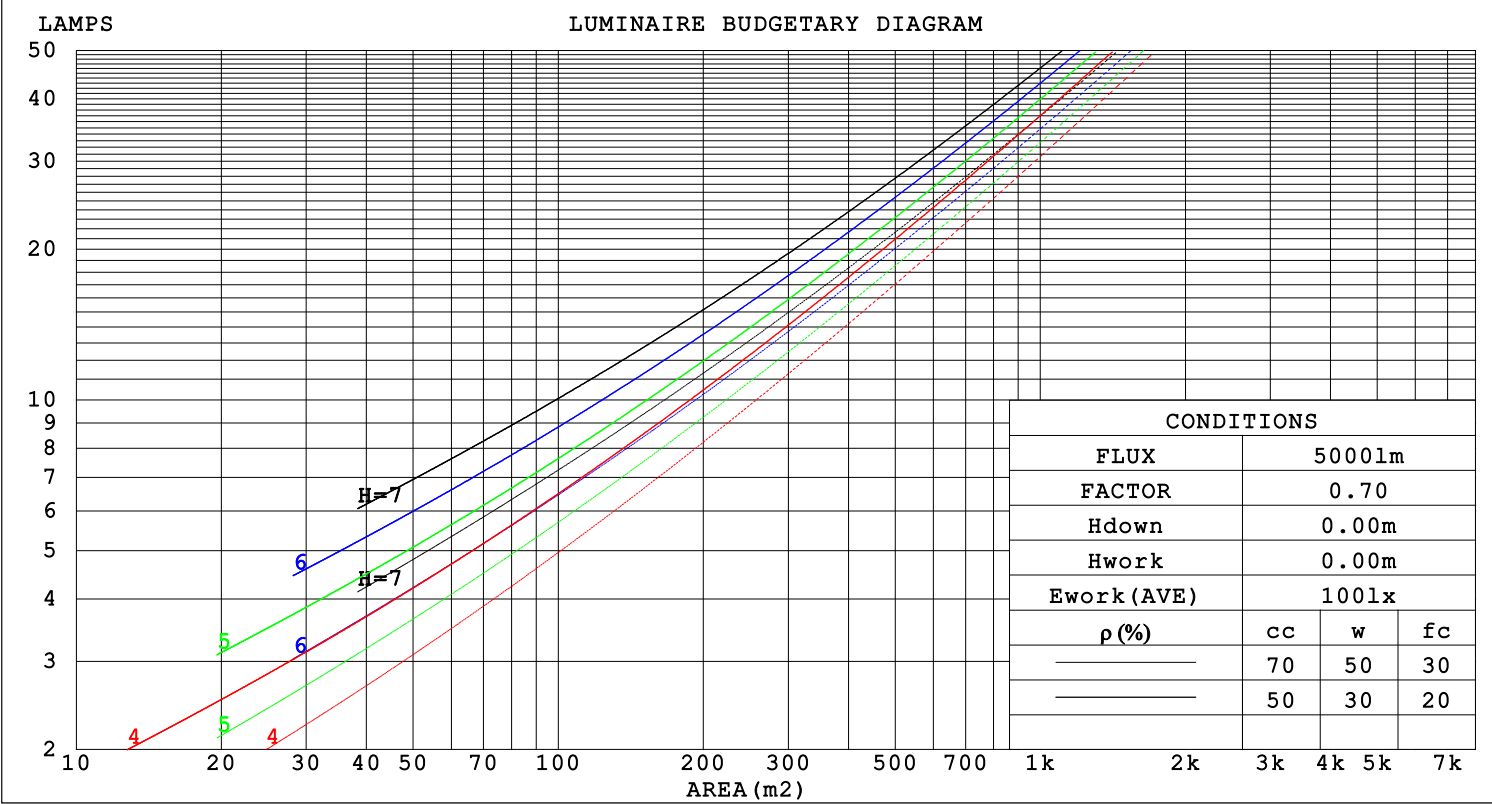
Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:9.500 m  
Remarks: 3000K

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

|                                                                      |  |  |  |  |  |  |  |                          |  |  |  |             |  |  |  |
|----------------------------------------------------------------------|--|--|--|--|--|--|--|--------------------------|--|--|--|-------------|--|--|--|
| MANUFACTURER: DIVINITY LIGHTS                                        |  |  |  |  |  |  |  |                          |  |  |  |             |  |  |  |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019 |  |  |  |  |  |  |  |                          |  |  |  |             |  |  |  |
| NAME: FIRE FOX RING                                                  |  |  |  |  |  |  |  | TYPE: 3000K CRI-90       |  |  |  | WEIGHT:     |  |  |  |
| SPECIFICATION:                                                       |  |  |  |  |  |  |  | DIMENSION: D-495 H-90 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             | .96                                                                        | .89  | .83  | .93  | .87  | .82  | .89  | .84  | .79  | .85  | .80  | .77  | .81  | .77  | .74  | .72  |
| 2.0             | .80                                                                        | .71  | .63  | .78  | .69  | .62  | .74  | .67  | .60  | .70  | .64  | .59  | .67  | .62  | .57  | .55  |
| 3.0             | .68                                                                        | .58  | .49  | .66  | .57  | .49  | .63  | .55  | .48  | .60  | .53  | .47  | .57  | .51  | .46  | .43  |
| 4.0             | .59                                                                        | .48  | .40  | .57  | .47  | .39  | .55  | .46  | .39  | .52  | .44  | .38  | .50  | .43  | .38  | .35  |
| 5.0             | .52                                                                        | .41  | .33  | .50  | .40  | .33  | .48  | .39  | .32  | .46  | .38  | .32  | .44  | .37  | .31  | .29  |
| 6.0             | .46                                                                        | .35  | .28  | .45  | .35  | .28  | .43  | .34  | .27  | .41  | .33  | .27  | .39  | .32  | .27  | .24  |
| 7.0             | .41                                                                        | .31  | .24  | .40  | .31  | .24  | .38  | .30  | .24  | .37  | .29  | .23  | .35  | .28  | .23  | .21  |
| 8.0             | .37                                                                        | .27  | .21  | .36  | .27  | .21  | .35  | .27  | .21  | .34  | .26  | .20  | .32  | .25  | .20  | .18  |
| 9.0             | .34                                                                        | .25  | .18  | .33  | .24  | .18  | .32  | .24  | .18  | .31  | .23  | .18  | .30  | .23  | .18  | .16  |
| 10.0            | .31                                                                        | .22  | .16  | .30  | .22  | .16  | .29  | .22  | .16  | .28  | .21  | .16  | .27  | .21  | .16  | .14  |



Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:06-18-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:9.500 m  
Remarks: 3000K

## WEC AND CCEC

Report number:

|                                                                      |  |  |  |  |  |  |                          |  |  |  |  |             |  |  |
|----------------------------------------------------------------------|--|--|--|--|--|--|--------------------------|--|--|--|--|-------------|--|--|
| MANUFACTURER: DIVINITY LIGHTS                                        |  |  |  |  |  |  |                          |  |  |  |  |             |  |  |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019 |  |  |  |  |  |  |                          |  |  |  |  |             |  |  |
| NAME: FIRE FOX RING                                                  |  |  |  |  |  |  | TYPE: 3000K CRI-90       |  |  |  |  | WEIGHT:     |  |  |
| SPECIFICATION:                                                       |  |  |  |  |  |  | DIMENSION: D-495 H-90 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  | .467                  | .266 | .084 | .460 | .262 | .083 | .446                            | .256 | .082 | .433 | .250 | .080 | .421 | .244 | .079 |   |
| 2.0  | .394                  | .216 | .066 | .387 | .213 | .066 | .374                            | .208 | .065 | .363 | .203 | .064 | .352 | .199 | .063 |   |
| 3.0  | .343                  | .183 | .055 | .337 | .181 | .054 | .326                            | .177 | .054 | .315 | .173 | .053 | .306 | .169 | .052 |   |
| 4.0  | .304                  | .158 | .046 | .299 | .156 | .046 | .289                            | .153 | .046 | .280 | .150 | .045 | .271 | .147 | .045 |   |
| 5.0  | .273                  | .139 | .040 | .269 | .138 | .040 | .260                            | .135 | .040 | .252 | .133 | .039 | .244 | .130 | .039 |   |
| 6.0  | .248                  | .124 | .036 | .244 | .123 | .035 | .236                            | .121 | .035 | .229 | .119 | .035 | .222 | .117 | .035 |   |
| 7.0  | .227                  | .112 | .032 | .223 | .111 | .032 | .216                            | .109 | .031 | .210 | .107 | .031 | .203 | .106 | .031 |   |
| 8.0  | .209                  | .102 | .029 | .206 | .101 | .029 | .199                            | .100 | .028 | .194 | .098 | .028 | .188 | .097 | .028 |   |
| 9.0  | .194                  | .094 | .026 | .191 | .093 | .026 | .185                            | .091 | .026 | .180 | .090 | .026 | .175 | .089 | .026 |   |
| 10.0 | .180                  | .086 | .024 | .178 | .086 | .024 | .173                            | .085 | .024 | .168 | .083 | .024 | .163 | .082 | .024 |   |

| 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 | .073 | .064 | .053 | .042 | .021 | .017 | .014 |   |
| 2.0  | .186                  | .131 | .086 | .159 | .113 | .074 | .109                                       | .078 | .052 | .063 | .046 | .030 | .020 | .015 | .010 |   |
| 3.0  | .179                  | .115 | .064 | .153 | .099 | .055 | .105                                       | .069 | .039 | .061 | .040 | .023 | .020 | .013 | .008 |   |
| 4.0  | .170                  | .102 | .050 | .146 | .088 | .044 | .101                                       | .062 | .031 | .058 | .036 | .018 | .019 | .012 | .006 |   |
| 5.0  | .162                  | .092 | .041 | .139 | .080 | .035 | .096                                       | .056 | .025 | .056 | .033 | .015 | .018 | .011 | .005 |   |
| 6.0  | .154                  | .084 | .034 | .132 | .073 | .030 | .091                                       | .051 | .021 | .053 | .030 | .013 | .017 | .010 | .004 |   |
| 7.0  | .146                  | .077 | .029 | .126 | .067 | .026 | .087                                       | .047 | .018 | .050 | .028 | .011 | .016 | .009 | .004 |   |
| 8.0  | .139                  | .072 | .026 | .119 | .062 | .022 | .083                                       | .044 | .016 | .048 | .026 | .009 | .016 | .008 | .003 |   |
| 9.0  | .132                  | .067 | .023 | .113 | .058 | .020 | .079                                       | .041 | .014 | .046 | .024 | .008 | .015 | .008 | .003 |   |
| 10.0 | .125                  | .062 | .021 | .108 | .054 | .018 | .075                                       | .038 | .013 | .044 | .023 | .008 | .014 | .007 | .003 |   |

Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:06-18-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:9.500 m  
Remarks: 3000K

Uncorrected UGR Table

Report number:

|                                                                      |        |                  |      |      |                          |      |                |             |      |      |      |
|----------------------------------------------------------------------|--------|------------------|------|------|--------------------------|------|----------------|-------------|------|------|------|
| MANUFACTURER: DIVINITY LIGHTS                                        |        |                  |      |      |                          |      |                |             |      |      |      |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019 |        |                  |      |      |                          |      |                |             |      |      |      |
| NAME: FIRE FOX RING                                                  |        |                  |      |      | TYPE: 3000K CRI-90       |      |                | WEIGHT:     |      |      |      |
| SPECIFICATION:                                                       |        |                  |      |      | DIMENSION: D-495 H-90 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 | 20.7             | 22.5 | 21.0 | 22.7                     | 23.0 | 21.0           | 22.8        | 21.3 | 23.0 | 23.2 |
|                                                                      | 3H     | 23.5             | 25.2 | 23.8 | 25.5                     | 25.7 | 23.8           | 25.5        | 24.1 | 25.7 | 26.0 |
|                                                                      | 4H     | 24.8             | 26.5 | 25.2 | 26.7                     | 27.0 | 25.1           | 26.7        | 25.4 | 27.0 | 27.3 |
|                                                                      | 6H     | 26.3             | 27.8 | 26.6 | 28.1                     | 28.4 | 26.6           | 28.2        | 27.0 | 28.4 | 28.7 |
|                                                                      | 8H     | 27.2             | 28.7 | 27.5 | 29.0                     | 29.3 | 27.5           | 29.0        | 27.8 | 29.3 | 29.6 |
|                                                                      | 12H    | 28.1             | 29.6 | 28.5 | 29.9                     | 30.2 | 28.4           | 29.9        | 28.8 | 30.2 | 30.5 |
| 4H                                                                   | 2H     | 21.7             | 23.4 | 22.1 | 23.6                     | 23.9 | 21.9           | 23.6        | 22.3 | 23.8 | 24.1 |
|                                                                      | 3H     | 24.6             | 26.1 | 25.0 | 26.4                     | 26.7 | 24.8           | 26.3        | 25.2 | 26.6 | 26.9 |
|                                                                      | 4H     | 26.1             | 27.4 | 26.4 | 27.7                     | 28.1 | 26.3           | 27.7        | 26.7 | 28.0 | 28.4 |
|                                                                      | 6H     | 27.7             | 28.9 | 28.1 | 29.3                     | 29.7 | 28.0           | 29.2        | 28.4 | 29.6 | 30.0 |
|                                                                      | 8H     | 28.7             | 29.8 | 29.1 | 30.2                     | 30.6 | 29.0           | 30.1        | 29.4 | 30.5 | 30.9 |
|                                                                      | 12H    | 29.7             | 30.8 | 30.2 | 31.2                     | 31.7 | 30.1           | 31.1        | 30.5 | 31.5 | 32.0 |
| 8H                                                                   | 4H     | 26.6             | 27.8 | 27.1 | 28.2                     | 28.6 | 26.9           | 28.0        | 27.3 | 28.4 | 28.8 |
|                                                                      | 6H     | 28.5             | 29.5 | 29.0 | 30.0                     | 30.4 | 28.8           | 29.8        | 29.3 | 30.3 | 30.7 |
|                                                                      | 8H     | 29.7             | 30.6 | 30.2 | 31.1                     | 31.5 | 30.0           | 30.9        | 30.5 | 31.4 | 31.8 |
|                                                                      | 12H    | 31.0             | 31.8 | 31.5 | 32.3                     | 32.8 | 31.3           | 32.1        | 31.8 | 32.6 | 33.0 |
| 12H                                                                  | 4H     | 26.8             | 27.9 | 27.2 | 28.3                     | 28.7 | 27.0           | 28.1        | 27.4 | 28.5 | 28.9 |
|                                                                      | 6H     | 28.8             | 29.7 | 29.3 | 30.2                     | 30.6 | 29.1           | 30.0        | 29.6 | 30.4 | 30.9 |
|                                                                      | 8H     | 30.1             | 30.9 | 30.6 | 31.4                     | 31.9 | 30.4           | 31.2        | 30.9 | 31.6 | 32.1 |
| Variations with the observer position at spacings:                   |        |                  |      |      |                          |      |                |             |      |      |      |
| S = 1.0H                                                             |        | + 0.1 / - 0.1    |      |      |                          |      | + 0.1 / - 0.1  |             |      |      |      |
| 1.5H                                                                 |        | + 0.2 / - 0.3    |      |      |                          |      | + 0.2 / - 0.2  |             |      |      |      |
| 2.0H                                                                 |        | + 0.3 / - 0.4    |      |      |                          |      | + 0.3 / - 0.4  |             |      |      |      |

CIE Pub.117 Corrected 2659 lm Total Lamp Luminous Flux.(8log(F/F0) = 3.4)

Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:06-18-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:9.500 m  
Remarks: 3000K

## UTILIZATION FACTORS TABLE

Report number:

|                                                                      |                          |             |
|----------------------------------------------------------------------|--------------------------|-------------|
| MANUFACTURER: DIVINITY LIGHTS                                        |                          |             |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019 |                          |             |
| NAME: FIRE FOX RING                                                  | TYPE: 3000K CRI-90       | WEIGHT:     |
| SPECIFICATION:                                                       | DIMENSION: D-495 H-90 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) $k(RI) \times RCR = 5$ |     |           |     |     |     |     |               |     |        |
| $k = 0.60$                       | 47                                                   | 34  | 26        | 46  | 34  | 26  | 45  | 33            | 26  | 18     |
| 0.80                             | 57                                                   | 43  | 34        | 55  | 42  | 34  | 53  | 41            | 33  | 25     |
| 1.00                             | 65                                                   | 51  | 42        | 63  | 50  | 41  | 61  | 52            | 41  | 32     |
| 1.25                             | 72                                                   | 58  | 49        | 70  | 57  | 49  | 67  | 56            | 48  | 39     |
| 1.50                             | 77                                                   | 64  | 55        | 75  | 63  | 54  | 72  | 61            | 53  | 44     |
| 2.00                             | 85                                                   | 73  | 64        | 83  | 72  | 64  | 79  | 69            | 62  | 52     |
| 2.50                             | 90                                                   | 79  | 71        | 88  | 78  | 70  | 83  | 75            | 68  | 58     |
| 3.00                             | 94                                                   | 84  | 76        | 91  | 82  | 75  | 87  | 79            | 73  | 63     |
| 4.00                             | 99                                                   | 91  | 84        | 96  | 89  | 82  | 92  | 85            | 80  | 69     |
| 5.00                             | 102                                                  | 95  | 89        | 100 | 93  | 87  | 95  | 89            | 84  | 74     |
| ROOM INDEX                       | UF(total)                                            |     |           |     |     |     |     |               |     | Direct |
| According to DIN EN 13032-2 2004 |                                                      |     | Suspended |     |     |     |     | SHRNOM = 1.25 |     |        |

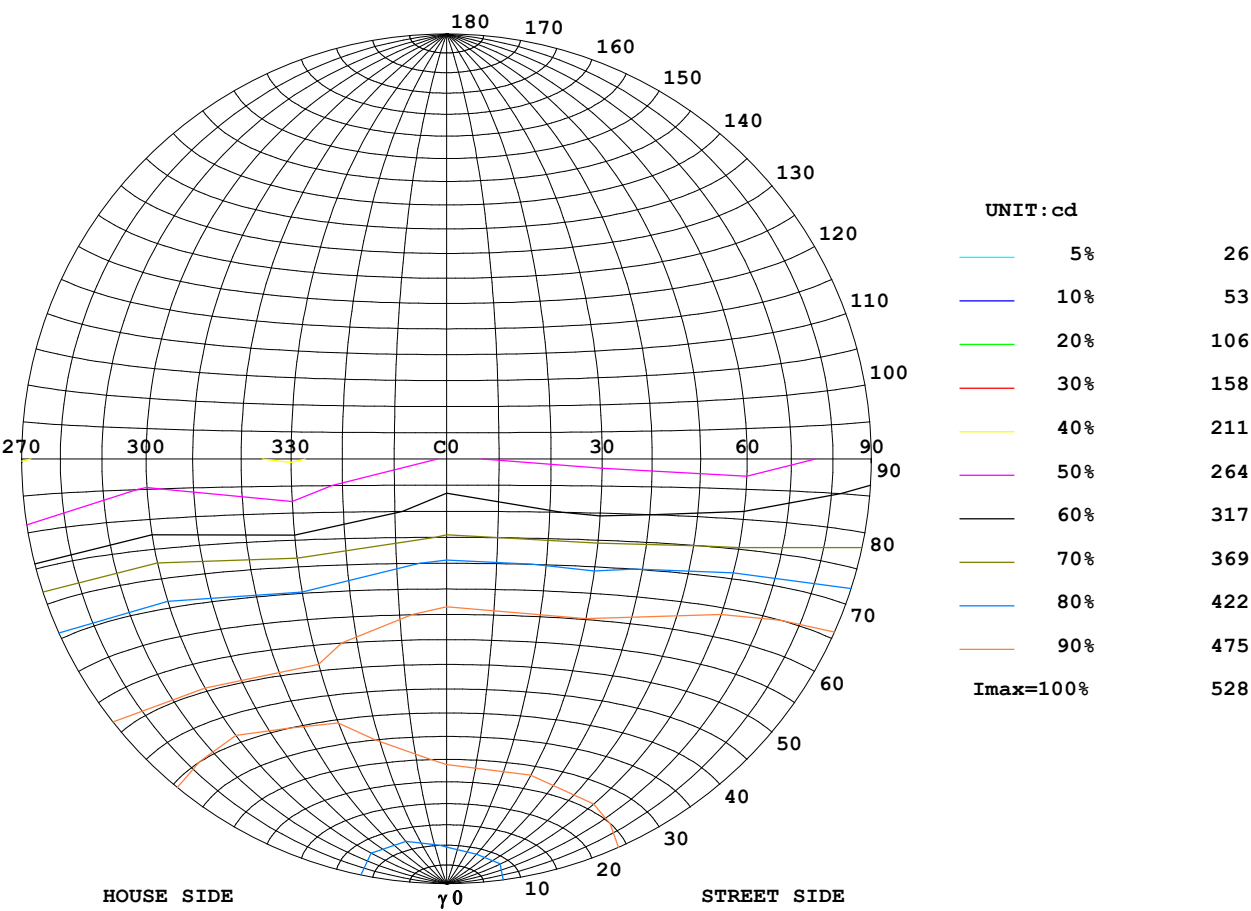
Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:06-18-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:9.500 m  
 Remarks: 3000K

ISOCANDELA DIAGRAM

Report number:

|                                                                      |                          |             |
|----------------------------------------------------------------------|--------------------------|-------------|
| MANUFACTURER: DIVINITY LIGHTS                                        |                          |             |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019 |                          |             |
| NAME: FIRE FOX RING                                                  | TYPE: 3000K CRI-90       | WEIGHT:     |
| SPECIFICATION:                                                       | DIMENSION: D-495 H-90 MM | SERIAL No.: |



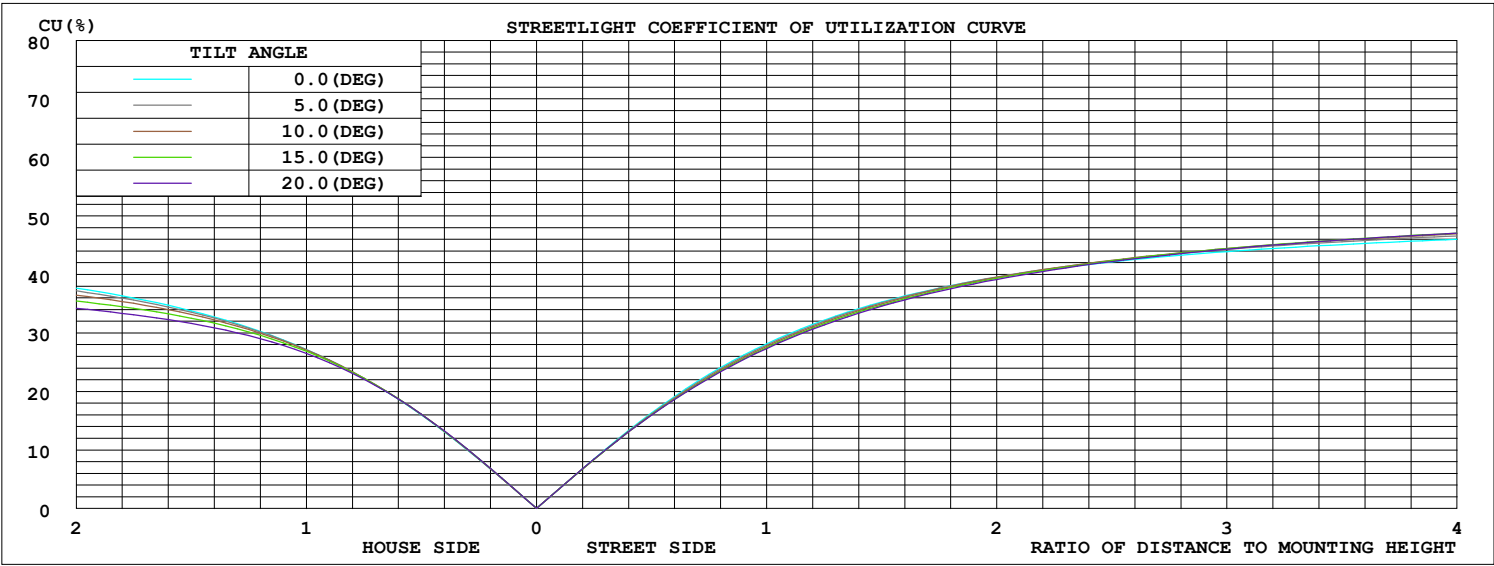
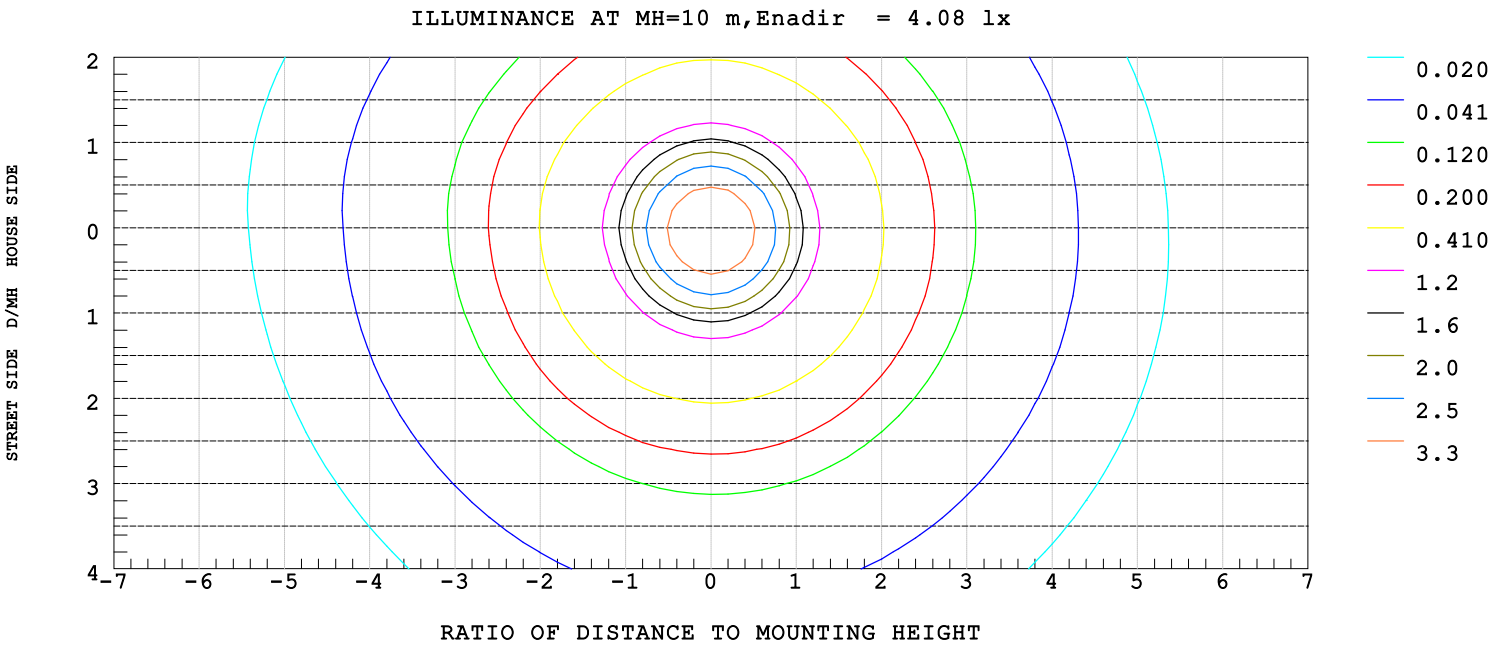
Test System:HOP00 HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:06-18-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:9.500 m  
Remarks: 3000K

ISOLUX DIAGRAM

Report number:

|                                                                      |                          |             |
|----------------------------------------------------------------------|--------------------------|-------------|
| MANUFACTURER: DIVINITY LIGHTS                                        |                          |             |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019 |                          |             |
| NAME: FIRE FOX RING                                                  | TYPE: 3000K CRI-90       | WEIGHT:     |
| SPECIFICATION:                                                       | DIMENSION: D-495 H-90 MM | SERIAL No.: |



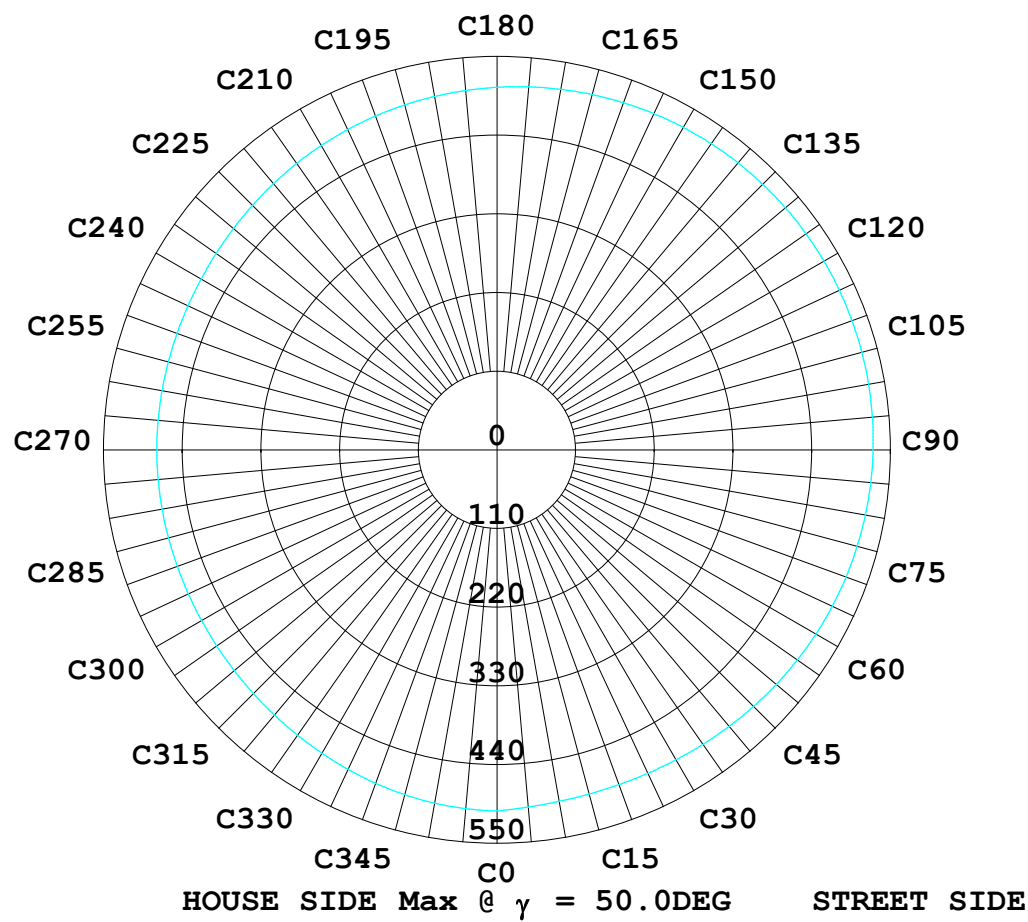
Test System:HOP00 HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:06-18-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:9.500 m  
Remarks: 3000K

ISOCANDELA DIAGRAM

Report number:

|                                                                      |                          |             |
|----------------------------------------------------------------------|--------------------------|-------------|
| MANUFACTURER: DIVINITY LIGHTS                                        |                          |             |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019 |                          |             |
| NAME: FIRE FOX RING                                                  | TYPE: 3000K CRI-90       | WEIGHT:     |
| SPECIFICATION:                                                       | DIMENSION: D-495 H-90 MM | SERIAL No.: |



Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:06-18-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:9.500 m  
Remarks: 3000K

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

|                                                                      |                          |             |
|----------------------------------------------------------------------|--------------------------|-------------|
| MANUFACTURER: DIVINITY LIGHTS                                        |                          |             |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019 |                          |             |
| NAME: FIRE FOX RING                                                  | TYPE: 3000K CRI-90       | WEIGHT:     |
| SPECIFICATION:                                                       | DIMENSION: D-495 H-90 MM | SERIAL No.: |

UNIT: cd

| C (DEG)<br>γ (DEG) | 0   | 30  | 60  | 90  | 120 | 150 | 180 | 210 | 240 | 270 | 300 | 330 |
|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 0.0                | 408 | 408 | 407 | 408 | 407 | 408 | 408 | 408 | 407 | 408 | 407 | 408 |
| 5.0                | 412 | 414 | 413 | 415 | 413 | 414 | 411 | 410 | 409 | 409 | 409 | 409 |
| 10.0               | 423 | 426 | 426 | 429 | 427 | 426 | 422 | 419 | 419 | 417 | 418 | 419 |
| 15.0               | 437 | 440 | 442 | 446 | 443 | 442 | 436 | 432 | 430 | 428 | 429 | 431 |
| 20.0               | 451 | 454 | 457 | 463 | 460 | 458 | 452 | 446 | 442 | 439 | 441 | 444 |
| 25.0               | 465 | 467 | 472 | 479 | 477 | 474 | 466 | 458 | 453 | 450 | 452 | 457 |
| 30.0               | 478 | 480 | 485 | 494 | 492 | 489 | 478 | 469 | 462 | 459 | 461 | 467 |
| 35.0               | 489 | 490 | 497 | 506 | 505 | 501 | 490 | 479 | 470 | 467 | 469 | 477 |
| 40.0               | 499 | 498 | 507 | 517 | 517 | 512 | 499 | 486 | 476 | 474 | 476 | 486 |
| 45.0               | 505 | 502 | 514 | 524 | 526 | 520 | 506 | 491 | 479 | 478 | 479 | 490 |
| 50.0               | 505 | 500 | 515 | 526 | 528 | 521 | 507 | 492 | 478 | 476 | 477 | 490 |
| 55.0               | 498 | 492 | 509 | 521 | 523 | 515 | 502 | 486 | 470 | 469 | 469 | 483 |
| 60.0               | 482 | 476 | 495 | 507 | 511 | 500 | 489 | 473 | 455 | 455 | 452 | 468 |
| 65.0               | 458 | 449 | 469 | 481 | 486 | 474 | 465 | 449 | 428 | 429 | 424 | 443 |
| 70.0               | 429 | 417 | 435 | 448 | 452 | 441 | 435 | 417 | 394 | 400 | 391 | 414 |
| 75.0               | 373 | 363 | 372 | 390 | 389 | 381 | 379 | 360 | 324 | 343 | 325 | 359 |
| 80.0               | 333 | 311 | 326 | 355 | 346 | 333 | 319 | 293 | 269 | 288 | 276 | 310 |
| 85.0               | 309 | 287 | 288 | 326 | 318 | 312 | 298 | 274 | 244 | 265 | 247 | 280 |
| 90.0               | 267 | 252 | 231 | 293 | 263 | 279 | 271 | 246 | 209 | 236 | 205 | 248 |

Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:06-18-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:9.500 m  
Remarks: 3000K