

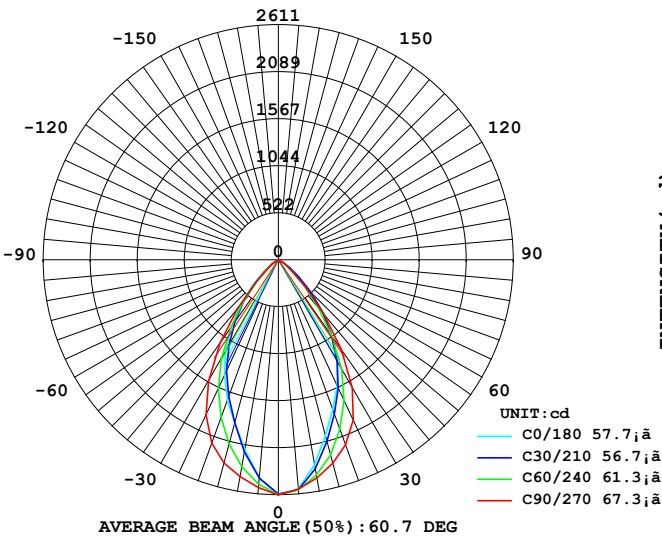
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

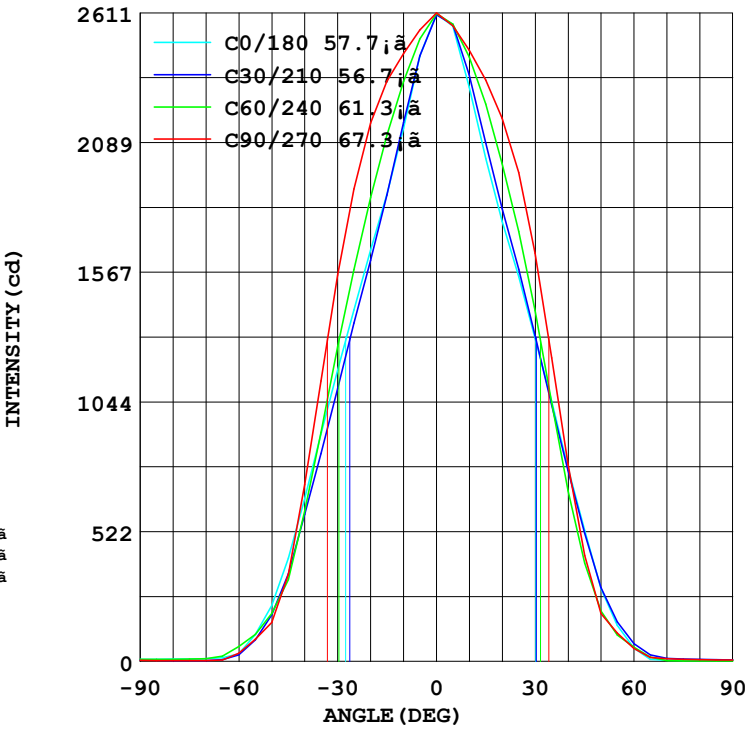
|                                                                      |                          |             |
|----------------------------------------------------------------------|--------------------------|-------------|
| MANUFACTURER: DIVINITY LIGHTS                                        |                          |             |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019 |                          |             |
| NAME: XTO CULTIVATOR                                                 | TYPE: 3000K CRI-90       | WEIGHT:     |
| SPECIFICATION: FULHAM 600 MA                                         | DIMENSION: 1200*48*77 MM | SERIAL No.: |

|                   |        |                     |        |                   |       |
|-------------------|--------|---------------------|--------|-------------------|-------|
| DATA OF LAMP      |        | Imax (cd)           | 2611   | S/MH (C0/180)     | 0.77  |
| MODEL             | XTO 25 | EFFICIENCY (%)      | 100.0  | S/MH (C90/270)    | 0.98  |
| NOMINAL POWER (W) | 28     | TOTAL FLUX (lm)     | 2655.0 | Voltage (V)       | 219.8 |
| RATED VOLTAGE (V) | 220    | EFFICIENCY (lm/W)   | 94.5   | Current (A)       | 0.120 |
| NOMINAL FLUX (lm) | 2655.1 | $\eta$ up (%)       | 0.0    | Power (W)         | 28.10 |
| LAMPS QUANTITY    | 1      | $\eta$ down (%)     | 100.0  | Power Factor (PF) | 0.983 |
| TEST VOLTAGE (V)  | 219.9  | Effictive Flux (lm) | 2492.5 | EEI               | 0.154 |

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:05-26-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:10.600 m  
Remarks: 3000K

Color Temperature Data List

Report number:

|                                                                      |                          |             |
|----------------------------------------------------------------------|--------------------------|-------------|
| MANUFACTURER: DIVINITY LIGHTS                                        |                          |             |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019 |                          |             |
| NAME: XTO CULTIVATOR                                                 | TYPE: 3000K CRI-90       | WEIGHT:     |
| SPECIFICATION: FULHAM 600 MA                                         | DIMENSION: 1200*48*77 MM | SERIAL No.: |

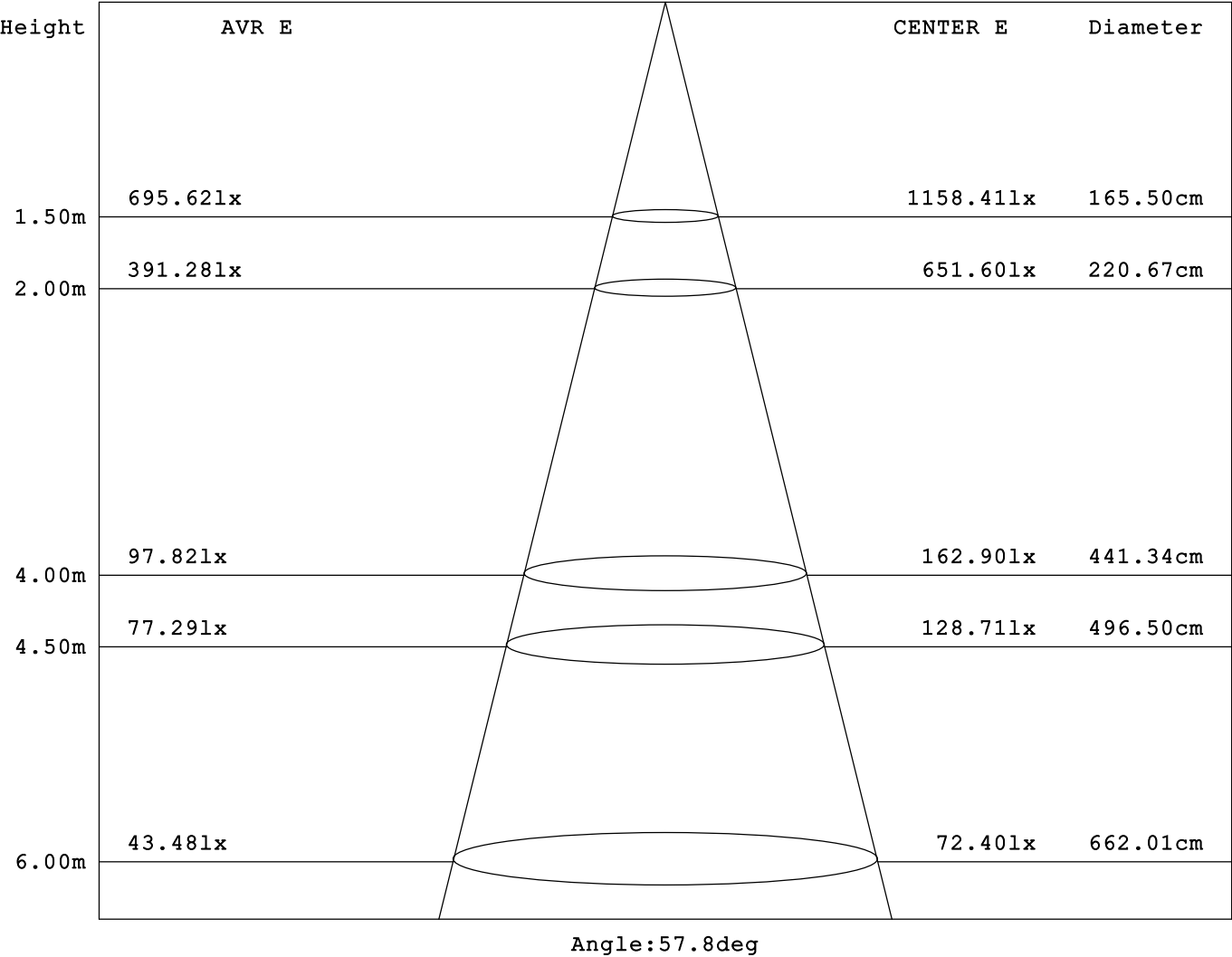
Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:05-26-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:10.600 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: XTO CULTIVATOR                                                 | TYPE: 3000K CRI-90       | WEIGHT:     |
| SPECIFICATION: FULHAM 600 MA                                         | DIMENSION: 1200*48*77 MM | SERIAL No.: |



Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:05-26-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:10.600 m  
Remarks: 3000K

ZONAL FLUX DIAGRAM

Report number:

|                                                                      |                          |             |
|----------------------------------------------------------------------|--------------------------|-------------|
| MANUFACTURER: DIVINITY LIGHTS                                        |                          |             |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019 |                          |             |
| NAME: XTO CULTIVATOR                                                 | TYPE: 3000K CRI-90       | WEIGHT:     |
| SPECIFICATION: FULHAM 600 MA                                         | DIMENSION: 1200*48*77 MM | SERIAL No.: |

| γ     | C0                    | C45   | C90   | C135  | C180  | C225  | C270  | C315  | γ       | Zone    | total |
|-------|-----------------------|-------|-------|-------|-------|-------|-------|-------|---------|---------|-------|
| 10.0  | 2147                  | 2252  | 2447  | 2347  | 2312  | 2397  | 2461  | 2268  | 0- 10   | 234.6   | 234.6 |
| 20.0  | 1656                  | 1741  | 2168  | 1860  | 1772  | 1913  | 2187  | 1769  | 10- 20  | 588.5   | 823.1 |
| 30.0  | 1172                  | 1182  | 1556  | 1295  | 1301  | 1362  | 1643  | 1213  | 20- 30  | 733.0   | 1556  |
| 40.0  | 654.4                 | 598.5 | 712.0 | 694.4 | 778.4 | 727.6 | 793.9 | 626.8 | 30- 40  | 620.7   | 2177  |
| 50.0  | 225.2                 | 190.1 | 156.2 | 238.8 | 292.8 | 249.8 | 192.3 | 208.4 | 40- 50  | 332.8   | 2510  |
| 60.0  | 30.56                 | 43.48 | 32.35 | 59.04 | 53.25 | 64.55 | 52.47 | 47.30 | 50- 60  | 111.0   | 2621  |
| 70.0  | 11.57                 | 7.415 | 2.921 | 7.809 | 4.943 | 7.752 | 11.01 | 6.685 | 60- 70  | 21.70   | 2643  |
| 80.0  | 9.101                 | 6.123 | 2.809 | 5.786 | 4.382 | 4.831 | 7.415 | 4.382 | 70- 80  | 6.685   | 2649  |
| 90.0  | 8.651                 | 7.134 | 4.831 | 6.179 | 6.067 | 3.764 | 5.505 | 3.595 | 80- 90  | 5.874   | 2655  |
| 100.0 |                       |       |       |       |       |       |       |       | 90-100  |         |       |
| 110.0 |                       |       |       |       |       |       |       |       | 100-110 |         |       |
| 120.0 |                       |       |       |       |       |       |       |       | 110-120 |         |       |
| 130.0 |                       |       |       |       |       |       |       |       | 120-130 |         |       |
| 140.0 |                       |       |       |       |       |       |       |       | 130-140 |         |       |
| 150.0 |                       |       |       |       |       |       |       |       | 140-150 |         |       |
| 160.0 |                       |       |       |       |       |       |       |       | 150-160 |         |       |
| 170.0 |                       |       |       |       |       |       |       |       | 160-170 |         |       |
| 180.0 |                       |       |       |       |       |       |       |       | 170-180 |         |       |
| DEG   | LUMINOUS INTENSITY:cd |       |       |       |       |       |       |       |         | UNIT:lm |       |

Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:05-26-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:10.600 m  
Remarks: 3000K

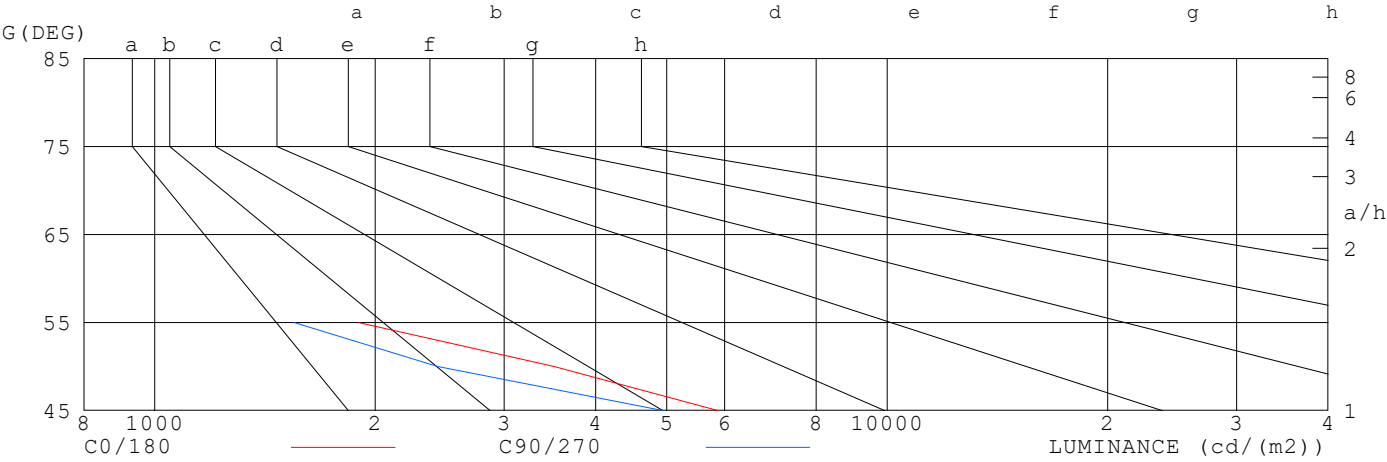
LUMINANCE LIMITATION CURVES

Report number:

|                                                                      |                          |             |
|----------------------------------------------------------------------|--------------------------|-------------|
| MANUFACTURER: DIVINITY LIGHTS                                        |                          |             |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019 |                          |             |
| NAME: XTO CULTIVATOR                                                 | TYPE: 3000K CRI-90       | WEIGHT:     |
| SPECIFICATION: FULHAM 600 MA                                         | DIMENSION: 1200*48*77 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      | 1006   | 387     |
| 80      | 524    | 162     |
| 75      | 386    | 100     |
| 70      | 338    | 85      |
| 65      | 340    | 122     |
| 60      | 611    | 647     |
| 55      | 1898   | 1550    |
| 50      | 3505   | 2431    |
| 45      | 5875   | 4940    |

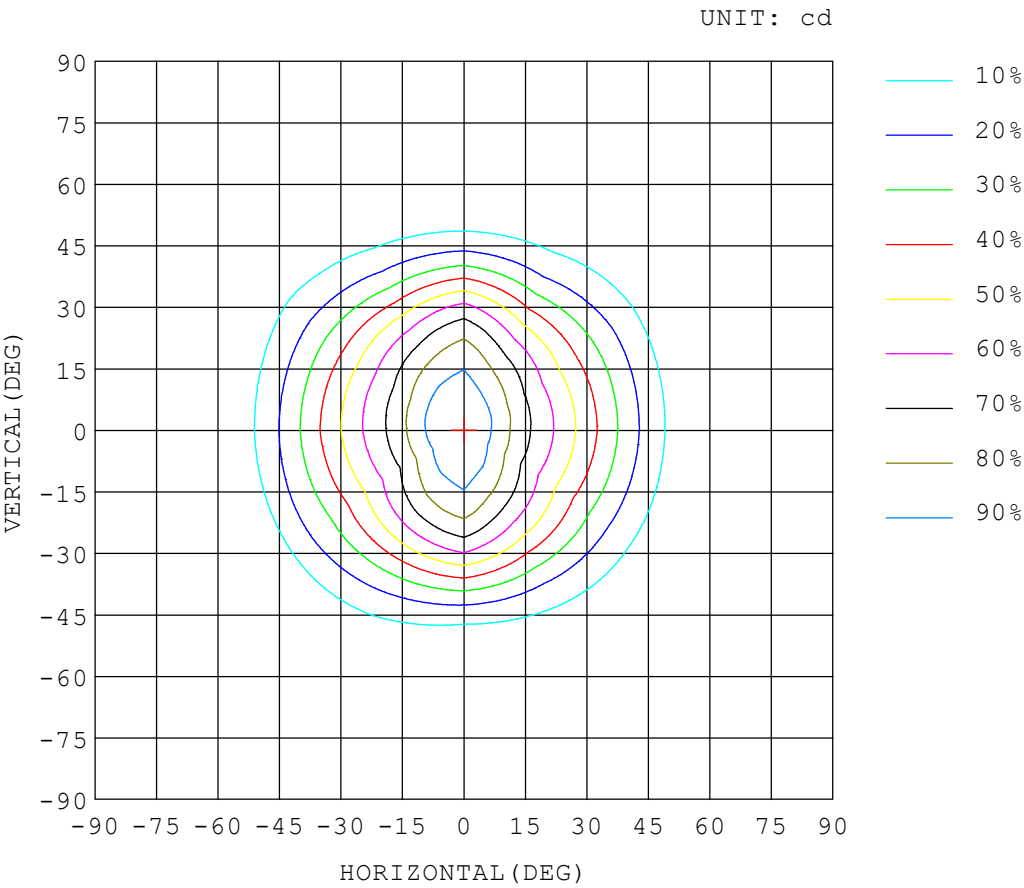
Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:05-26-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:10.600 m  
Remarks: 3000K

ISOCANDELA DIAGRAM

Report number:

|                                                                      |                          |             |
|----------------------------------------------------------------------|--------------------------|-------------|
| MANUFACTURER: DIVINITY LIGHTS                                        |                          |             |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019 |                          |             |
| NAME: XTO CULTIVATOR                                                 | TYPE: 3000K CRI-90       | WEIGHT:     |
| SPECIFICATION: FULHAM 600 MA                                         | DIMENSION: 1200*48*77 MM | SERIAL No.: |



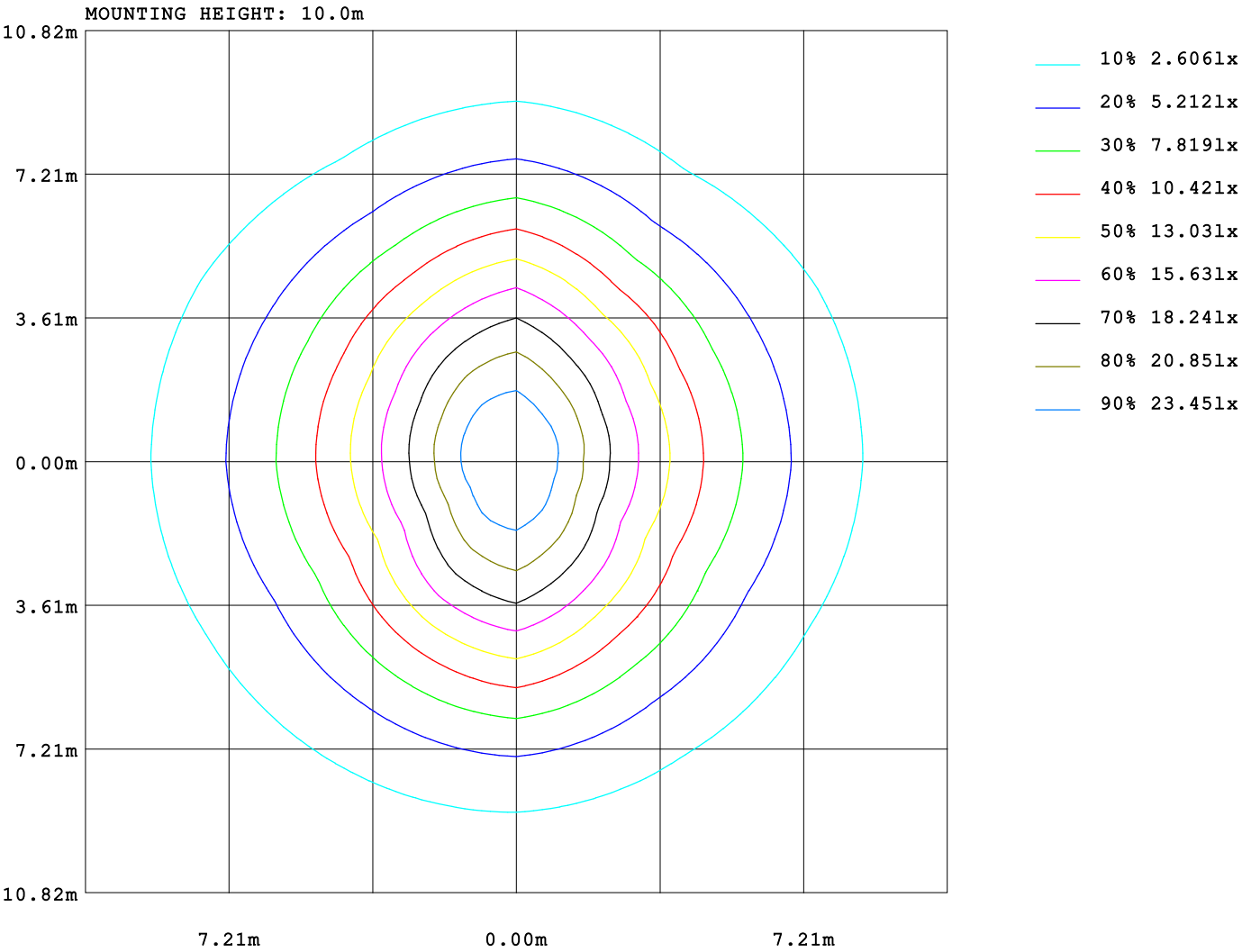
Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:05-26-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:10.600 m  
Remarks: 3000K

ISOLUX DIAGRAM

Report number:

|                                                                      |                          |             |
|----------------------------------------------------------------------|--------------------------|-------------|
| MANUFACTURER: DIVINITY LIGHTS                                        |                          |             |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019 |                          |             |
| NAME: XTO CULTIVATOR                                                 | TYPE: 3000K CRI-90       | WEIGHT:     |
| SPECIFICATION: FULHAM 600 MA                                         | DIMENSION: 1200*48*77 MM | SERIAL No.: |



Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:05-26-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:10.600 m  
Remarks: 3000K

AREA LUMINOUS FLUX

Report number:

|                                                                      |  |  |  |  |  |  |  |  |  |                          |  |  |  |  |             |  |  |  |  |  |
|----------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|--------------------------|--|--|--|--|-------------|--|--|--|--|--|
| MANUFACTURER: DIVINITY LIGHTS                                        |  |  |  |  |  |  |  |  |  |                          |  |  |  |  |             |  |  |  |  |  |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019 |  |  |  |  |  |  |  |  |  |                          |  |  |  |  |             |  |  |  |  |  |
| NAME: XTO CULTIVATOR                                                 |  |  |  |  |  |  |  |  |  | TYPE: 3000K CRI-90       |  |  |  |  | WEIGHT:     |  |  |  |  |  |
| SPECIFICATION: FULHAM 600 MA                                         |  |  |  |  |  |  |  |  |  | DIMENSION: 1200*48*77 MM |  |  |  |  | SERIAL No.: |  |  |  |  |  |

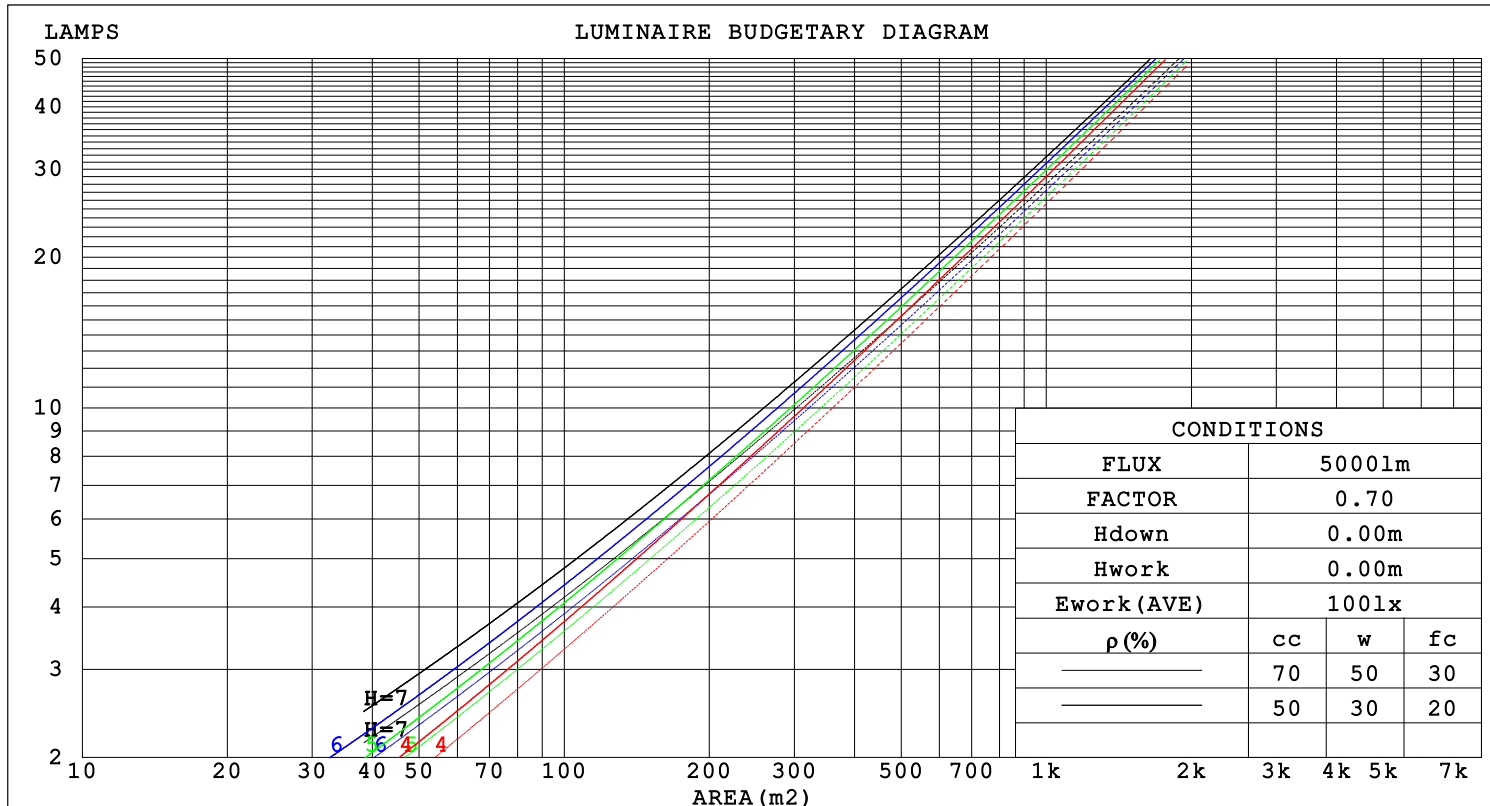
| VERTICAL (DEG) | AREA FLUX DIAGRAM |      |      |      |      |      |      |      |                  |      |      |      |      |      |      |      |      |      | UNIT:lm |      | Φ t | Φ a |
|----------------|-------------------|------|------|------|------|------|------|------|------------------|------|------|------|------|------|------|------|------|------|---------|------|-----|-----|
|                | 0.02              | 0.04 | 0.08 | 0.09 | 0.09 | 0.06 | 0.07 | 0.12 | 0.17             | 0.17 | 0.12 | 0.07 | 0.06 | 0.08 | 0.09 | 0.08 | 0.05 | 0.02 | 1.48    | 0.00 |     |     |
| 90             |                   |      |      |      |      |      |      |      |                  |      |      |      |      |      |      |      |      |      |         |      |     |     |
| 80             | 0.01              | 0.04 | 0.08 | 0.12 | 0.11 | 0.08 | 0.08 | 0.16 | 0.24             | 0.24 | 0.16 | 0.08 | 0.07 | 0.10 | 0.11 | 0.09 | 0.06 | 0.02 | 1.84    | 0.00 |     |     |
| 70             | 0.01              | 0.04 | 0.09 | 0.15 | 0.17 | 0.21 | 0.34 | 0.57 | 0.71             | 0.69 | 0.51 | 0.28 | 0.17 | 0.15 | 0.14 | 0.10 | 0.06 | 0.02 | 4.41    | 0.00 |     |     |
| 60             | 0.01              | 0.05 | 0.10 | 0.22 | 0.50 | 1.18 | 2.01 | 2.90 | 3.48             | 3.41 | 2.72 | 1.77 | 0.91 | 0.36 | 0.19 | 0.11 | 0.06 | 0.02 | 20.0    | 0.00 |     |     |
| 50             | 0.01              | 0.05 | 0.12 | 0.44 | 1.63 | 3.72 | 6.34 | 9.90 | 13.1             | 12.7 | 9.05 | 5.54 | 3.03 | 1.15 | 0.31 | 0.13 | 0.07 | 0.02 | 67.4    | 43.0 |     |     |
| 40             | 0.01              | 0.05 | 0.14 | 0.93 | 3.79 | 9.06 | 16.5 | 25.6 | 34.4             | 33.3 | 23.1 | 14.2 | 7.48 | 2.87 | 0.62 | 0.16 | 0.07 | 0.02 | 173     | 162  |     |     |
| 30             | 0.01              | 0.04 | 0.18 | 1.64 | 6.68 | 16.4 | 28.9 | 43.0 | 55.1             | 53.3 | 38.8 | 25.4 | 13.9 | 5.27 | 1.15 | 0.19 | 0.08 | 0.02 | 291     | 283  |     |     |
|                | 0.01              | 0.04 | 0.24 | 2.36 | 9.50 | 22.2 | 37.7 | 54.1 | 67.5             | 65.1 | 49.7 | 33.7 | 19.2 | 7.63 | 1.73 | 0.22 | 0.08 | 0.02 | 372     | 365  |     |     |
|                | 0.01              | 0.04 | 0.26 | 2.79 | 11.2 | 25.5 | 42.0 | 59.1 | 74.6             | 71.8 | 54.8 | 38.3 | 22.3 | 9.08 | 2.08 | 0.24 | 0.08 | 0.02 | 415     | 409  |     |     |
|                | 0.01              | 0.04 | 0.25 | 2.71 | 11.0 | 25.0 | 41.0 | 57.5 | 73.7             | 71.4 | 54.0 | 37.7 | 21.9 | 8.85 | 2.01 | 0.22 | 0.08 | 0.02 | 408     | 402  |     |     |
|                | 0.01              | 0.04 | 0.19 | 2.14 | 9.09 | 20.9 | 35.2 | 52.3 | 67.1             | 65.0 | 48.8 | 32.2 | 18.1 | 7.01 | 1.56 | 0.19 | 0.07 | 0.02 | 360     | 354  |     |     |
| -30            | 0.01              | 0.03 | 0.12 | 1.36 | 5.98 | 15.2 | 27.3 | 41.9 | 53.7             | 52.2 | 38.6 | 24.4 | 12.4 | 4.48 | 0.94 | 0.14 | 0.07 | 0.02 | 279     | 271  |     |     |
| -40            | 0.01              | 0.03 | 0.07 | 0.64 | 3.04 | 8.61 | 16.4 | 25.2 | 32.4             | 31.5 | 22.8 | 13.6 | 6.53 | 2.23 | 0.41 | 0.10 | 0.06 | 0.02 | 164     | 153  |     |     |
| -50            | 0.01              | 0.03 | 0.05 | 0.21 | 1.24 | 3.52 | 6.85 | 9.96 | 11.7             | 11.2 | 8.49 | 5.50 | 2.78 | 0.85 | 0.15 | 0.08 | 0.06 | 0.02 | 62.8    | 38.4 |     |     |
| -60            | 0.01              | 0.03 | 0.05 | 0.08 | 0.37 | 1.21 | 2.35 | 2.95 | 2.98             | 2.85 | 2.64 | 1.98 | 0.94 | 0.27 | 0.08 | 0.07 | 0.05 | 0.02 | 18.9    | 0.00 |     |     |
| -70            | 0.01              | 0.03 | 0.04 | 0.07 | 0.14 | 0.32 | 0.57 | 0.60 | 0.46             | 0.43 | 0.50 | 0.46 | 0.28 | 0.14 | 0.07 | 0.06 | 0.05 | 0.02 | 4.26    | 0.00 |     |     |
| -80            | 0.01              | 0.03 | 0.05 | 0.07 | 0.12 | 0.20 | 0.23 | 0.19 | 0.12             | 0.12 | 0.18 | 0.23 | 0.20 | 0.13 | 0.08 | 0.07 | 0.05 | 0.02 | 2.10    | 0.00 |     |     |
| -90            | 0.01              | 0.04 | 0.06 | 0.08 | 0.13 | 0.18 | 0.20 | 0.17 | 0.13             | 0.13 | 0.18 | 0.21 | 0.19 | 0.14 | 0.10 | 0.07 | 0.06 | 0.02 | 2.10    | 0.00 |     |     |
|                | -90               | -80  | -70  | -60  | -50  | -40  | -30  | -20  | HORIZONTAL (DEG) |      |      |      |      | 20   | 30   | 40   | 50   | 60   | 70      | 80   | 90  |     |
| Φ t            | 0.24              | 0.70 | 2.16 | 16.1 | 64.9 | 154  | 265  | 387  | 492              | 476  | 356  | 236  | 131  | 50.8 | 11.8 | 2.32 | 1.16 | 0.40 | 2655    |      |     |     |
| Φ a            | 0.00              | 0.00 | 0.00 | 0.84 | 49.5 | 141  | 252  | 375  | 481              | 465  | 344  | 223  | 117  | 33.4 | 0.00 | 0.00 | 0.00 | 0.00 |         | 2493 |     |     |

Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:05-26-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:10.600 m  
Remarks: 3000K

Report number:

| pcc             | 80%                   |      |      | 70%  |      |      | 50%  |      |      | 30%  |      |      | 10%  |      |      | 0                               |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-----------------|-----------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| p <sub>w</sub>  | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0                               |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| p <sub>fc</sub> | 20%                   |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 0                               |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| RCR             | RCR:Room Cavity Ratio |      |      |      |      |      |      |      |      |      |      |      |      |      |      | Coefficients of Utilization(CU) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 0.0             | 1.19                  | 1.19 | 1.19 | 1.16 | 1.16 | 1.16 | 1.11 | 1.11 | 1.11 | 1.06 | 1.06 | 1.06 | 1.02 | 1.02 | 1.02 | 1.00                            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1.0             | 1.10                  | 1.07 | 1.05 | 1.08 | 1.05 | 1.03 | 1.04 | 1.02 | .00  | .00  | .98  | .97  | .96  | .95  | .94  | .92                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2.0             | 1.01                  | .97  | .93  | .99  | .95  | .92  | .96  | .93  | .90  | .93  | .90  | .88  | .90  | .88  | .86  | .84                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3.0             | .93                   | .88  | .83  | .92  | .87  | .83  | .89  | .85  | .81  | .87  | .83  | .80  | .84  | .81  | .79  | .77                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4.0             | .86                   | .80  | .75  | .85  | .79  | .75  | .83  | .78  | .74  | .81  | .77  | .73  | .79  | .75  | .72  | .71                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5.0             | .80                   | .73  | .69  | .79  | .73  | .68  | .77  | .72  | .68  | .75  | .71  | .67  | .74  | .70  | .67  | .65                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 6.0             | .74                   | .68  | .63  | .73  | .67  | .63  | .72  | .66  | .62  | .70  | .66  | .62  | .69  | .65  | .61  | .60                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 7.0             | .69                   | .63  | .58  | .69  | .62  | .58  | .67  | .62  | .57  | .66  | .61  | .57  | .65  | .60  | .57  | .55                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8.0             | .65                   | .58  | .54  | .64  | .58  | .54  | .63  | .57  | .53  | .62  | .57  | .53  | .61  | .56  | .53  | .51                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 9.0             | .61                   | .54  | .50  | .60  | .54  | .50  | .59  | .53  | .50  | .58  | .53  | .49  | .57  | .53  | .49  | .48                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10.0            | .57                   | .51  | .46  | .57  | .50  | .46  | .56  | .50  | .46  | .55  | .50  | .46  | .54  | .49  | .46  | .45                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |



Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:10.600 m  
Remarks: 3000K

## WEC AND CCEC

Report number:

|                                                                      |  |  |  |  |  |  |  |                          |  |  |  |             |  |  |  |
|----------------------------------------------------------------------|--|--|--|--|--|--|--|--------------------------|--|--|--|-------------|--|--|--|
| MANUFACTURER: DIVINITY LIGHTS                                        |  |  |  |  |  |  |  |                          |  |  |  |             |  |  |  |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019 |  |  |  |  |  |  |  |                          |  |  |  |             |  |  |  |
| NAME: XTO CULTIVATOR                                                 |  |  |  |  |  |  |  | TYPE: 3000K CRI-90       |  |  |  | WEIGHT:     |  |  |  |
| SPECIFICATION: FULHAM 600 MA                                         |  |  |  |  |  |  |  | DIMENSION: 1200*48*77 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  | .196                  | .111 | .035 | .189 | .108 | .034 | .176                            | .101 | .032 | .165 | .095 | .031 | .154 | .089 | .029 |   |
| 2.0  | .189                  | .104 | .032 | .183 | .101 | .031 | .173                            | .096 | .030 | .163 | .091 | .029 | .153 | .087 | .027 |   |
| 3.0  | .181                  | .096 | .029 | .176 | .094 | .028 | .167                            | .090 | .027 | .158 | .087 | .027 | .150 | .083 | .026 |   |
| 4.0  | .172                  | .090 | .026 | .168 | .088 | .026 | .160                            | .085 | .025 | .152 | .082 | .025 | .145 | .079 | .024 |   |
| 5.0  | .164                  | .084 | .024 | .160 | .082 | .024 | .153                            | .080 | .023 | .147 | .077 | .023 | .140 | .075 | .023 |   |
| 6.0  | .156                  | .078 | .022 | .153 | .077 | .022 | .147                            | .075 | .022 | .141 | .073 | .022 | .135 | .071 | .021 |   |
| 7.0  | .149                  | .074 | .021 | .146 | .073 | .021 | .140                            | .071 | .020 | .135 | .069 | .020 | .130 | .068 | .020 |   |
| 8.0  | .142                  | .069 | .020 | .139 | .069 | .019 | .134                            | .067 | .019 | .130 | .066 | .019 | .125 | .064 | .019 |   |
| 9.0  | .136                  | .066 | .018 | .133 | .065 | .018 | .129                            | .064 | .018 | .125 | .062 | .018 | .121 | .061 | .018 |   |
| 10.0 | .130                  | .062 | .017 | .128 | .062 | .017 | .124                            | .061 | .017 | .120 | .059 | .017 | .116 | .058 | .017 |   |

| 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 | .143 | .148 | .135 | .123 | .101                                       | .093 | .085 | .058 | .054 | .050 | .019 | .017 | .016 |   |
| 2.0  | .159                  | .132 | .110 | .136 | .114 | .095 | .093                                       | .079 | .067 | .054 | .046 | .039 | .017 | .015 | .013 |   |
| 3.0  | .147                  | .114 | .087 | .126 | .098 | .075 | .087                                       | .068 | .053 | .050 | .040 | .031 | .016 | .013 | .010 |   |
| 4.0  | .138                  | .099 | .070 | .118 | .086 | .061 | .081                                       | .060 | .043 | .047 | .035 | .025 | .015 | .011 | .008 |   |
| 5.0  | .130                  | .088 | .057 | .112 | .076 | .050 | .077                                       | .053 | .035 | .044 | .031 | .021 | .014 | .010 | .007 |   |
| 6.0  | .123                  | .079 | .047 | .106 | .068 | .041 | .073                                       | .048 | .029 | .042 | .028 | .017 | .014 | .009 | .006 |   |
| 7.0  | .117                  | .072 | .040 | .100 | .062 | .035 | .069                                       | .043 | .025 | .040 | .026 | .015 | .013 | .008 | .005 |   |
| 8.0  | .111                  | .065 | .034 | .096 | .057 | .030 | .066                                       | .040 | .021 | .038 | .024 | .013 | .012 | .008 | .004 |   |
| 9.0  | .106                  | .060 | .030 | .091 | .052 | .026 | .063                                       | .037 | .018 | .037 | .022 | .011 | .012 | .007 | .004 |   |
| 10.0 | .101                  | .056 | .026 | .087 | .049 | .023 | .061                                       | .034 | .016 | .035 | .020 | .010 | .011 | .007 | .003 |   |

Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:05-26-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:10.600 m  
 Remarks: 3000K

Uncorrected UGR Table

Report number:

|                                                                      |        |                  |      |      |                          |      |                |             |      |      |      |
|----------------------------------------------------------------------|--------|------------------|------|------|--------------------------|------|----------------|-------------|------|------|------|
| MANUFACTURER: DIVINITY LIGHTS                                        |        |                  |      |      |                          |      |                |             |      |      |      |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019 |        |                  |      |      |                          |      |                |             |      |      |      |
| NAME: XTO CULTIVATOR                                                 |        |                  |      |      | TYPE: 3000K CRI-90       |      |                | WEIGHT:     |      |      |      |
| SPECIFICATION: FULHAM 600 MA                                         |        |                  |      |      | DIMENSION: 1200*48*77 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 | 13.4             | 14.5 | 13.7 | 14.7                     | 14.9 | 13.6           | 14.7        | 13.9 | 14.9 | 15.1 |
|                                                                      | 3H     | 13.3             | 14.2 | 13.5 | 14.5                     | 14.7 | 13.5           | 14.4        | 13.7 | 14.7 | 14.9 |
|                                                                      | 4H     | 13.2             | 14.1 | 13.5 | 14.3                     | 14.6 | 13.4           | 14.3        | 13.7 | 14.5 | 14.8 |
|                                                                      | 6H     | 13.1             | 14.0 | 13.4 | 14.2                     | 14.5 | 13.3           | 14.2        | 13.6 | 14.4 | 14.7 |
|                                                                      | 8H     | 13.1             | 13.9 | 13.4 | 14.2                     | 14.5 | 13.3           | 14.1        | 13.6 | 14.3 | 14.6 |
|                                                                      | 12H    | 13.1             | 13.9 | 13.5 | 14.2                     | 14.5 | 13.2           | 14.0        | 13.5 | 14.3 | 14.6 |
| 4H                                                                   | 2H     | 13.2             | 14.1 | 13.5 | 14.4                     | 14.6 | 13.4           | 14.3        | 13.7 | 14.6 | 14.8 |
|                                                                      | 3H     | 13.0             | 13.8 | 13.4 | 14.1                     | 14.4 | 13.2           | 14.0        | 13.6 | 14.3 | 14.6 |
|                                                                      | 4H     | 13.0             | 13.7 | 13.3 | 14.0                     | 14.3 | 13.2           | 13.9        | 13.5 | 14.2 | 14.5 |
|                                                                      | 6H     | 12.9             | 13.6 | 13.3 | 13.9                     | 14.2 | 13.1           | 13.7        | 13.5 | 14.1 | 14.4 |
|                                                                      | 8H     | 12.9             | 13.5 | 13.3 | 13.9                     | 14.2 | 13.1           | 13.6        | 13.5 | 14.0 | 14.4 |
|                                                                      | 12H    | 13.0             | 13.5 | 13.4 | 13.9                     | 14.3 | 13.0           | 13.6        | 13.4 | 13.9 | 14.3 |
| 8H                                                                   | 4H     | 12.8             | 13.4 | 13.2 | 13.8                     | 14.2 | 13.0           | 13.6        | 13.4 | 14.0 | 14.3 |
|                                                                      | 6H     | 12.8             | 13.3 | 13.2 | 13.7                     | 14.1 | 13.0           | 13.5        | 13.4 | 13.9 | 14.3 |
|                                                                      | 8H     | 12.8             | 13.2 | 13.3 | 13.7                     | 14.1 | 13.0           | 13.4        | 13.4 | 13.8 | 14.3 |
|                                                                      | 12H    | 12.9             | 13.3 | 13.4 | 13.7                     | 14.2 | 13.0           | 13.3        | 13.5 | 13.8 | 14.3 |
| 12H                                                                  | 4H     | 12.8             | 13.3 | 13.2 | 13.7                     | 14.1 | 13.0           | 13.5        | 13.4 | 13.9 | 14.3 |
|                                                                      | 6H     | 12.8             | 13.2 | 13.2 | 13.6                     | 14.0 | 12.9           | 13.4        | 13.4 | 13.8 | 14.2 |
|                                                                      | 8H     | 12.8             | 13.1 | 13.3 | 13.6                     | 14.1 | 13.0           | 13.3        | 13.4 | 13.8 | 14.2 |
| Variations with the observer position at spacings:                   |        |                  |      |      |                          |      |                |             |      |      |      |
| S = 1.0H                                                             |        | + 2.6 / - 8.2    |      |      |                          |      | + 3.1 / - 8.0  |             |      |      |      |
| 1.5H                                                                 |        | + 3.7 / - 7.9    |      |      |                          |      | + 4.7 / - 4.2  |             |      |      |      |
| 2.0H                                                                 |        | + 6.5 / - 8.0    |      |      |                          |      | + 5.7 / - 8.2  |             |      |      |      |

CIE Pub.117 Corrected 2655 lm Total Lamp Luminous Flux.(8log(F/F0) = 3.4)

Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:05-26-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:10.600 m  
 Remarks: 3000K

## UTILIZATION FACTORS TABLE

Report number:

|                                                                       |                          |             |
|-----------------------------------------------------------------------|--------------------------|-------------|
| MANUFACTURER: DIVINITY LIGHTS                                         |                          |             |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi, 301019 |                          |             |
| NAME: XTO CULTIVATOR                                                  | TYPE: 3000K CRI-90       | WEIGHT:     |
| SPECIFICATION: FULHAM 600 MA                                          | DIMENSION: 1200*48*77 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) $k(RI) \times RCR = 5$ |     |           |     |     |     |     |               |     |        |
| $k = 0.60$                       | 80                                                   | 72  | 68        | 79  | 72  | 68  | 79  | 72            | 67  | 63     |
| 0.80                             | 89                                                   | 81  | 77        | 88  | 81  | 77  | 87  | 80            | 76  | 72     |
| 1.00                             | 95                                                   | 88  | 84        | 94  | 87  | 83  | 92  | 88            | 83  | 78     |
| 1.25                             | 100                                                  | 93  | 89        | 98  | 93  | 89  | 96  | 92            | 88  | 83     |
| 1.50                             | 103                                                  | 97  | 93        | 102 | 96  | 93  | 99  | 95            | 92  | 87     |
| 2.00                             | 106                                                  | 102 | 98        | 105 | 101 | 97  | 102 | 99            | 96  | 90     |
| 2.50                             | 108                                                  | 104 | 101       | 107 | 103 | 100 | 104 | 100           | 98  | 91     |
| 3.00                             | 110                                                  | 106 | 103       | 108 | 105 | 102 | 105 | 102           | 100 | 93     |
| 4.00                             | 112                                                  | 109 | 107       | 110 | 108 | 105 | 107 | 104           | 103 | 95     |
| 5.00                             | 114                                                  | 111 | 109       | 112 | 109 | 107 | 108 | 106           | 104 | 96     |
| ROOM INDEX                       | UF (total)                                           |     |           |     |     |     |     |               |     | Direct |
| According to DIN EN 13032-2 2004 |                                                      |     | Suspended |     |     |     |     | SHRNOM = 1.25 |     |        |

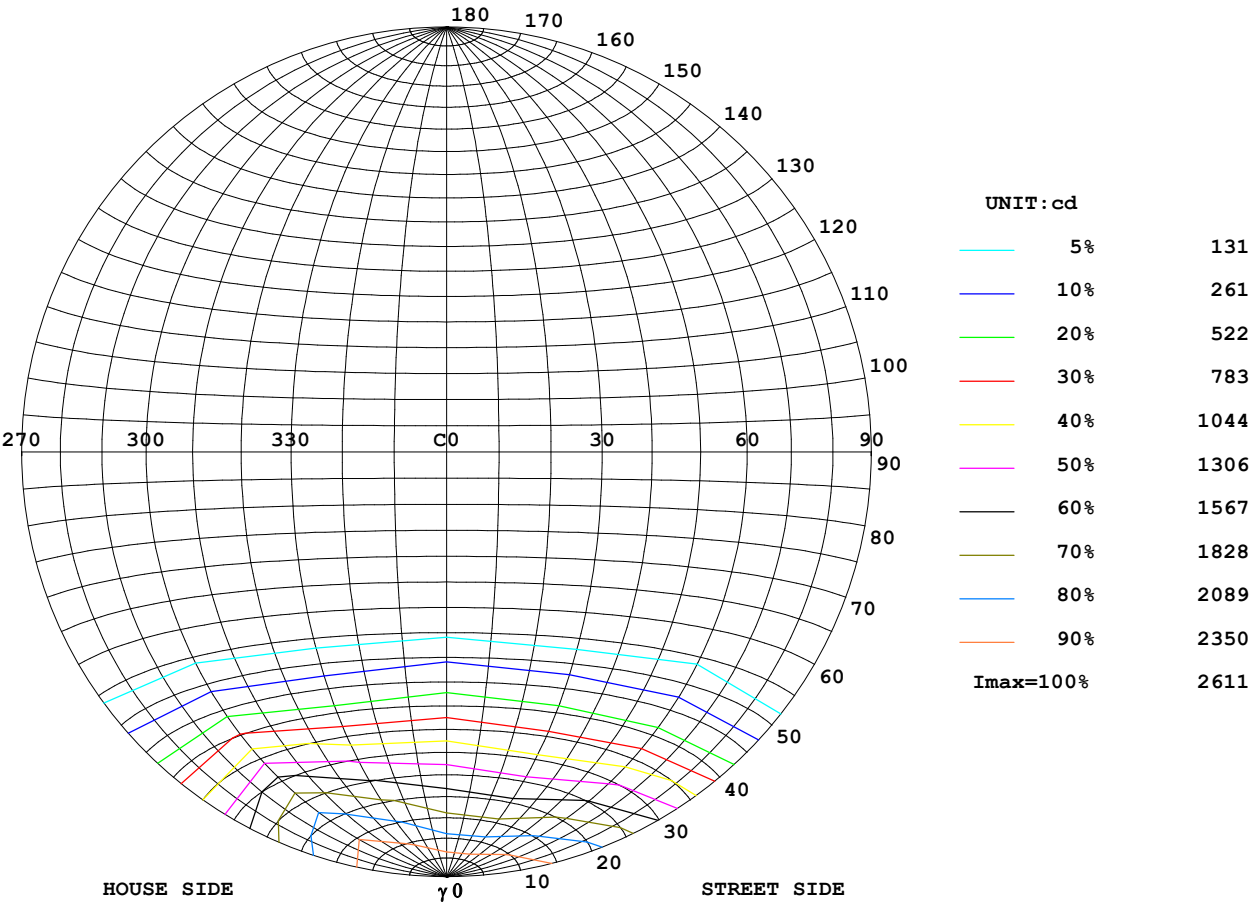
Test System: HOPOO HPG1800  
 Temperature: 25.3 DEG  
 Operators:  
 Test Date: 05-26-2025

Test Set: 5.0 deg/s C-Gamma (TYPE C)  
 Humidity: 65.0%  
 Test Distance: 10.600 m  
 Remarks: 3000K

ISOCANDELA DIAGRAM

Report number:

|                                                                      |                          |             |
|----------------------------------------------------------------------|--------------------------|-------------|
| MANUFACTURER: DIVINITY LIGHTS                                        |                          |             |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019 |                          |             |
| NAME: XTO CULTIVATOR                                                 | TYPE: 3000K CRI-90       | WEIGHT:     |
| SPECIFICATION: FULHAM 600 MA                                         | DIMENSION: 1200*48*77 MM | SERIAL No.: |



Test System:HOP00 HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:05-26-2025

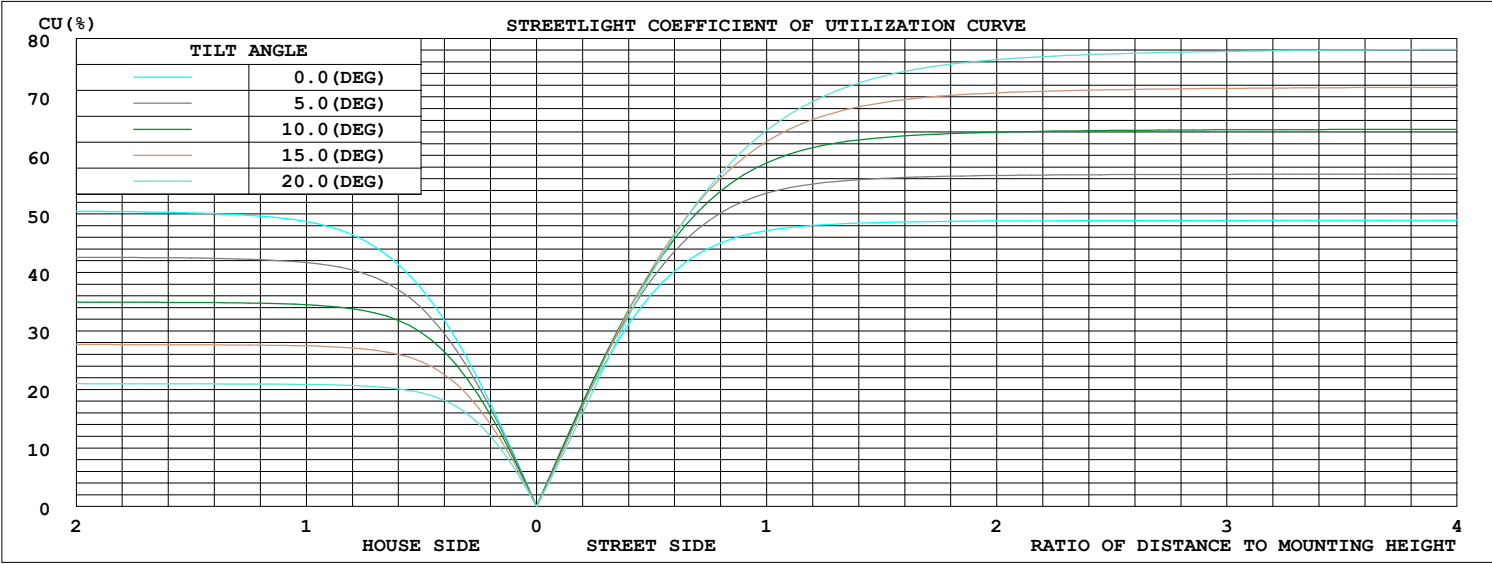
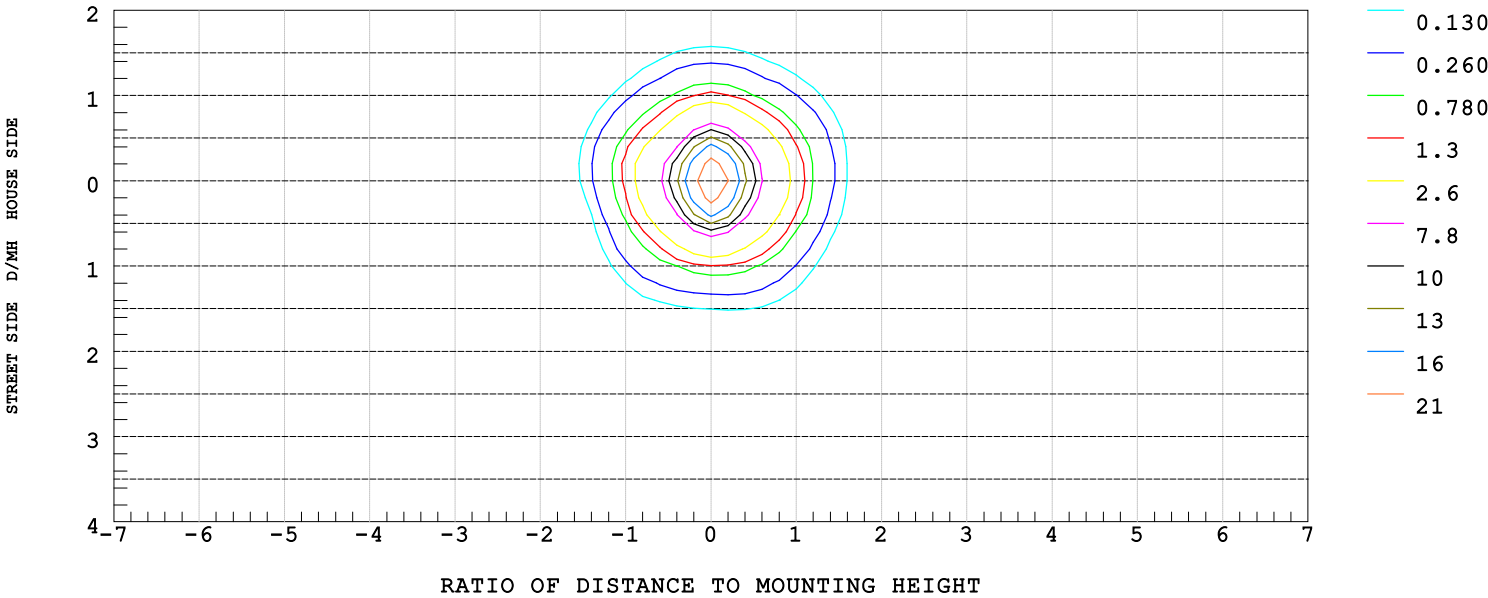
Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:10.600 m  
Remarks: 3000K

ISOLUX DIAGRAM

Report number:

|                                                                      |                          |             |
|----------------------------------------------------------------------|--------------------------|-------------|
| MANUFACTURER: DIVINITY LIGHTS                                        |                          |             |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019 |                          |             |
| NAME: XTO CULTIVATOR                                                 | TYPE: 3000K CRI-90       | WEIGHT:     |
| SPECIFICATION: FULHAM 600 MA                                         | DIMENSION: 1200*48*77 MM | SERIAL No.: |

ILLUMINANCE AT MH=10 m,Enadir = 26.06 lx



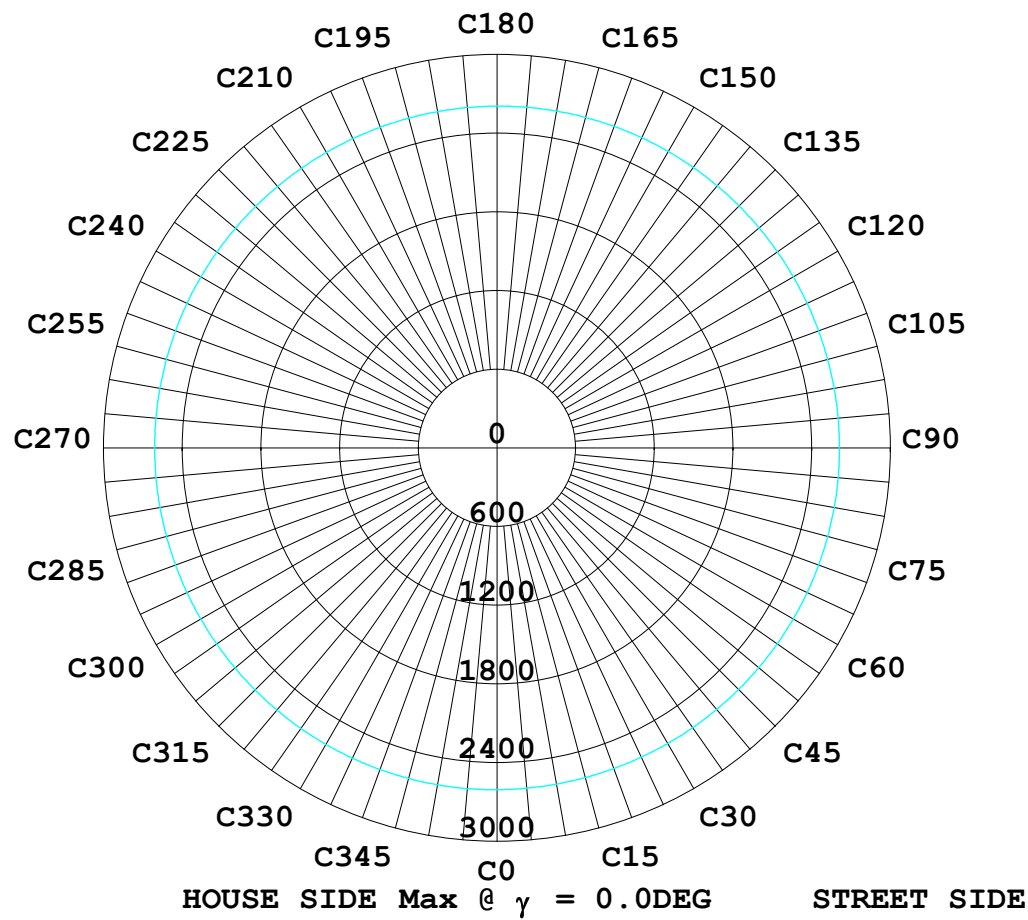
Test System:HOP00 HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:05-26-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:10.600 m  
Remarks: 3000K

ISOCANDELA DIAGRAM

Report number:

|                                                                      |                          |             |
|----------------------------------------------------------------------|--------------------------|-------------|
| MANUFACTURER: DIVINITY LIGHTS                                        |                          |             |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019 |                          |             |
| NAME: XTO CULTIVATOR                                                 | TYPE: 3000K CRI-90       | WEIGHT:     |
| SPECIFICATION: FULHAM 600 MA                                         | DIMENSION: 1200*48*77 MM | SERIAL No.: |



Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:05-26-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:10.600 m  
Remarks: 3000K

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

|                                                                      |                          |             |
|----------------------------------------------------------------------|--------------------------|-------------|
| MANUFACTURER: DIVINITY LIGHTS                                        |                          |             |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019 |                          |             |
| NAME: XTO CULTIVATOR                                                 | TYPE: 3000K CRI-90       | WEIGHT:     |
| SPECIFICATION: FULHAM 600 MA                                         | DIMENSION: 1200*48*77 MM | SERIAL No.: |

UNIT: cd

| C (DEG)<br>γ (DEG) | 0    | 30   | 60   | 90   | 120  | 150  | 180  | 210  | 240  | 270  | 300  | 330  |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0.0                | 2606 | 2603 | 2608 | 2611 | 2609 | 2611 | 2606 | 2603 | 2608 | 2611 | 2609 | 2611 |
| 5.0                | 2437 | 2437 | 2506 | 2542 | 2554 | 2531 | 2557 | 2564 | 2565 | 2559 | 2507 | 2479 |
| 10.0               | 2147 | 2170 | 2334 | 2447 | 2407 | 2288 | 2312 | 2361 | 2433 | 2461 | 2322 | 2213 |
| 15.0               | 1880 | 1877 | 2118 | 2336 | 2223 | 1992 | 2024 | 2086 | 2243 | 2340 | 2110 | 1929 |
| 20.0               | 1656 | 1615 | 1867 | 2168 | 2007 | 1713 | 1772 | 1823 | 2004 | 2187 | 1866 | 1673 |
| 25.0               | 1415 | 1362 | 1578 | 1902 | 1711 | 1467 | 1549 | 1579 | 1730 | 1967 | 1578 | 1420 |
| 30.0               | 1172 | 1098 | 1267 | 1556 | 1382 | 1207 | 1301 | 1312 | 1412 | 1643 | 1260 | 1165 |
| 35.0               | 915  | 837  | 922  | 1129 | 1030 | 947  | 1047 | 1031 | 1041 | 1222 | 917  | 907  |
| 40.0               | 654  | 592  | 605  | 712  | 694  | 695  | 778  | 769  | 687  | 794  | 595  | 659  |
| 45.0               | 415  | 352  | 329  | 349  | 431  | 491  | 527  | 516  | 397  | 427  | 342  | 422  |
| 50.0               | 225  | 187  | 193  | 156  | 231  | 246  | 293  | 297  | 203  | 192  | 183  | 234  |
| 55.0               | 109  | 87.0 | 109  | 88.8 | 127  | 121  | 144  | 160  | 107  | 113  | 97.5 | 118  |
| 60.0               | 30.5 | 26.5 | 60.4 | 32.3 | 71.4 | 46.6 | 53.2 | 71.4 | 57.6 | 52.4 | 49.6 | 44.9 |
| 65.0               | 14.3 | 6.62 | 21.6 | 5.16 | 29.4 | 10.6 | 7.86 | 26.0 | 17.7 | 16.5 | 13.1 | 16.9 |
| 70.0               | 11.5 | 3.59 | 11.2 | 2.92 | 11.9 | 3.70 | 4.94 | 12.6 | 2.80 | 11.0 | 2.58 | 10.7 |
| 75.0               | 10.0 | 3.48 | 9.43 | 2.58 | 9.66 | 3.14 | 4.60 | 9.43 | 2.13 | 8.76 | 2.02 | 8.65 |
| 80.0               | 9.10 | 3.70 | 8.53 | 2.80 | 8.42 | 3.14 | 4.38 | 7.86 | 1.79 | 7.41 | 1.57 | 7.19 |
| 85.0               | 8.76 | 4.49 | 8.31 | 3.37 | 7.86 | 3.48 | 4.49 | 6.62 | 1.68 | 6.40 | 1.57 | 5.95 |
| 90.0               | 8.65 | 5.84 | 8.42 | 4.83 | 7.75 | 4.60 | 6.06 | 5.39 | 2.13 | 5.50 | 2.13 | 5.05 |

Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:05-26-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:10.600 m  
Remarks: 3000K