

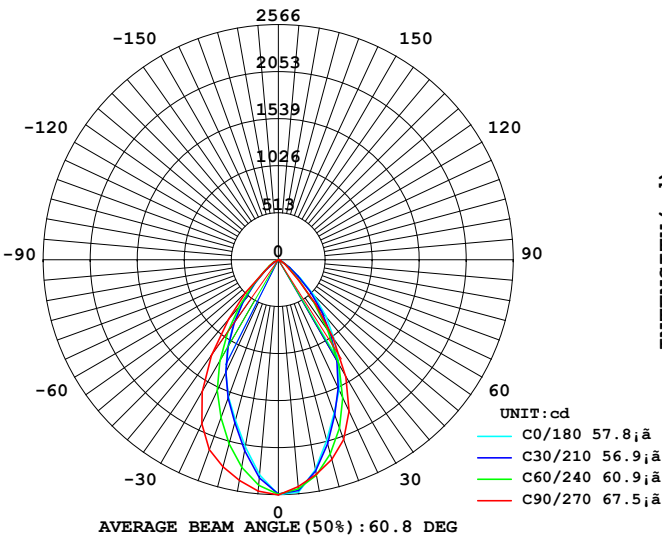
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

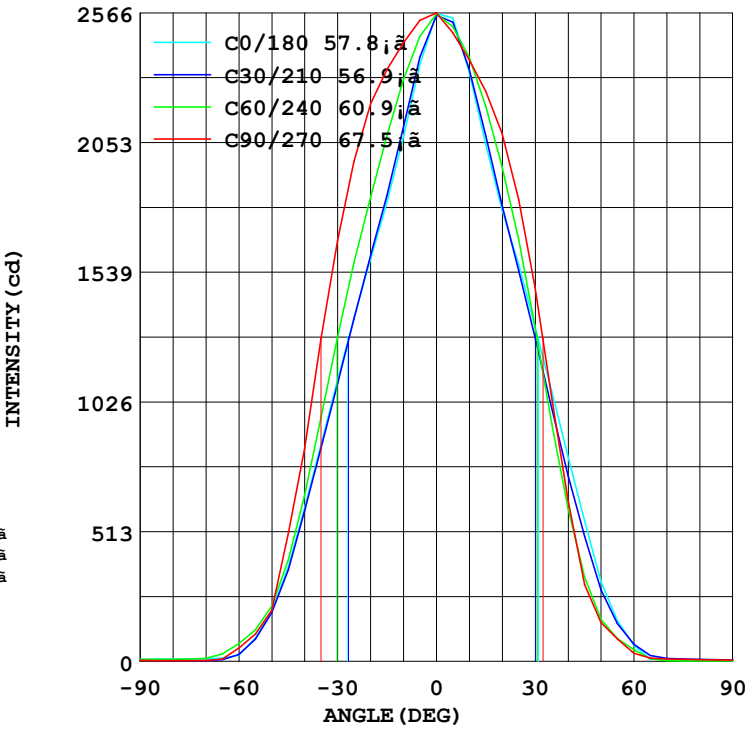
|                                                                      |                          |             |
|----------------------------------------------------------------------|--------------------------|-------------|
| MANUFACTURER: DIVINITY LIGHTS                                        |                          |             |
| 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)          | 2566   | S/MH (C0/180)     | 0.76  |
| MODEL             | XTO 20 | EFFICIENCY (%)     | 100.0  | S/MH (C90/270)    | 1.02  |
| NOMINAL POWER (W) | 28     | TOTAL FLUX (lm)    | 2622.0 | Voltage (V)       | 219.8 |
| RATED VOLTAGE (V) | 220    | EFFICIENCY (lm/W)  | 92.0   | Current (A)       | 0.120 |
| NOMINAL FLUX (lm) | 2622.1 | $\eta$ up (%)      | 0.0    | Power (W)         | 28.50 |
| LAMPS QUANTITY    | 1      | $\eta$ down (%)    | 100.0  | Power Factor (PF) | 0.983 |
| TEST VOLTAGE (V)  | 219.9  | Effictive Flux(lm) | 2444.6 | EEI               | 0.159 |

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:10.500 m  
Remarks: 3000K

Color Temperature Data List

Report number:

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

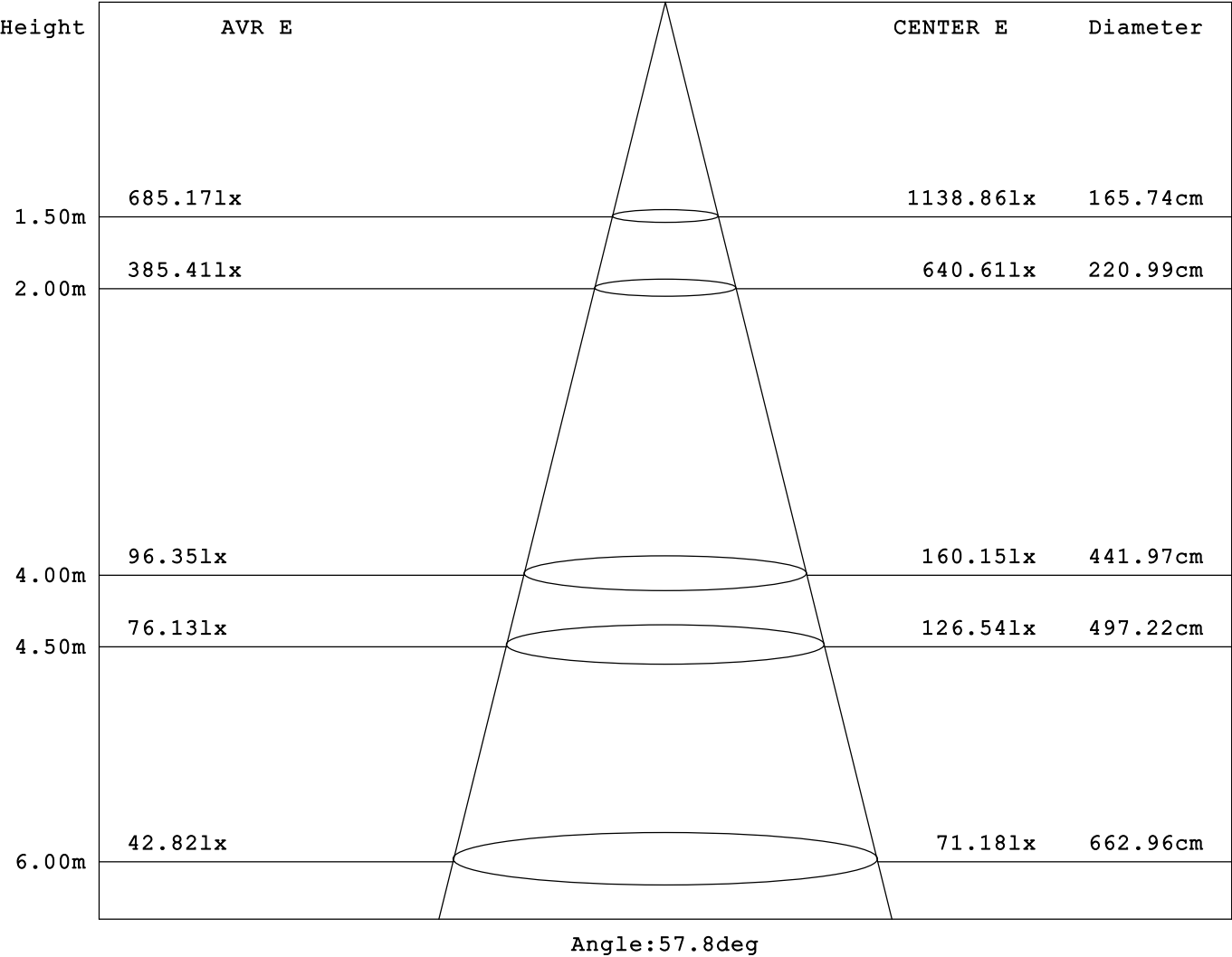
Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:05-26-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:10.500 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: 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:10.500 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  | 2076                  | 2209  | 2448  | 2393  | 2332  | 2367  | 2380  | 2165  | 0- 10   | 230.8   | 230.8 |
| 20.0  | 1592                  | 1721  | 2206  | 1926  | 1785  | 1880  | 2088  | 1661  | 10- 20  | 580.3   | 811.2 |
| 30.0  | 1114                  | 1191  | 1667  | 1392  | 1322  | 1302  | 1480  | 1088  | 20- 30  | 722.6   | 1534  |
| 40.0  | 607.8                 | 628.0 | 843.9 | 794.5 | 811.1 | 671.0 | 637.4 | 523.6 | 30- 40  | 611.5   | 2145  |
| 50.0  | 199.2                 | 206.0 | 202.3 | 296.9 | 315.5 | 224.3 | 153.7 | 161.5 | 40- 50  | 330.4   | 2476  |
| 60.0  | 24.14                 | 48.39 | 53.14 | 78.99 | 63.72 | 56.83 | 32.52 | 32.02 | 50- 60  | 111.3   | 2587  |
| 70.0  | 11.24                 | 7.827 | 3.087 | 10.30 | 5.181 | 7.331 | 9.922 | 5.953 | 60- 70  | 22.33   | 2610  |
| 80.0  | 9.150                 | 6.118 | 2.756 | 6.008 | 4.410 | 4.685 | 6.835 | 4.079 | 70- 80  | 6.675   | 2616  |
| 90.0  | 8.820                 | 7.056 | 4.410 | 5.843 | 6.063 | 3.748 | 5.181 | 3.528 | 80- 90  | 5.756   | 2622  |
| 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:10.500 m  
Remarks: 3000K

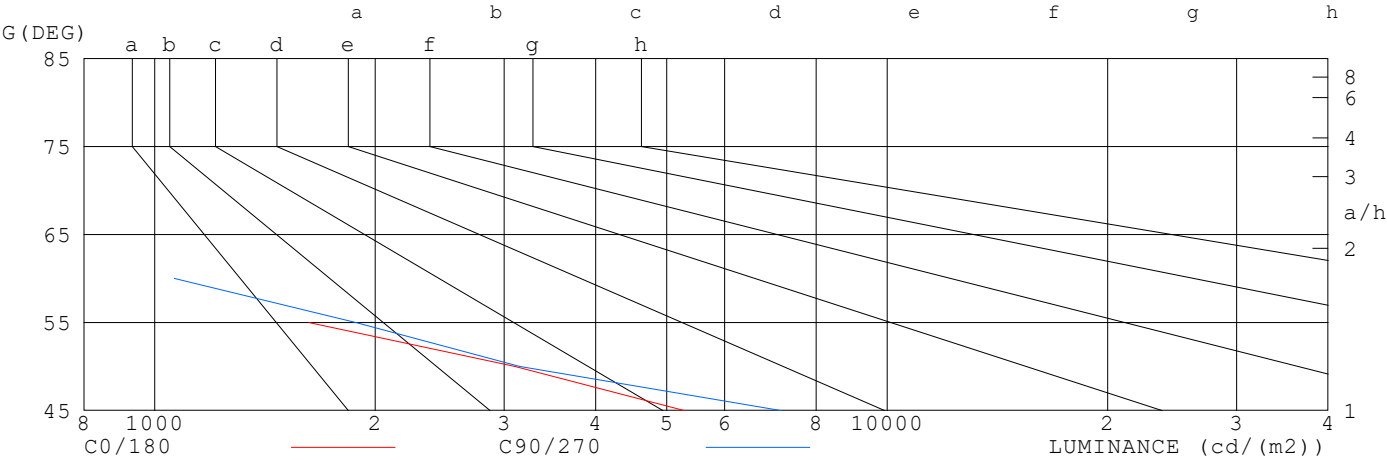
LUMINANCE LIMITATION CURVES

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      | 1025   | 367     |
| 80      | 527    | 159     |
| 75      | 379    | 102     |
| 70      | 329    | 90      |
| 65      | 321    | 214     |
| 60      | 483    | 1063    |
| 55      | 1624   | 1882    |
| 50      | 3099   | 3147    |
| 45      | 5286   | 7161    |

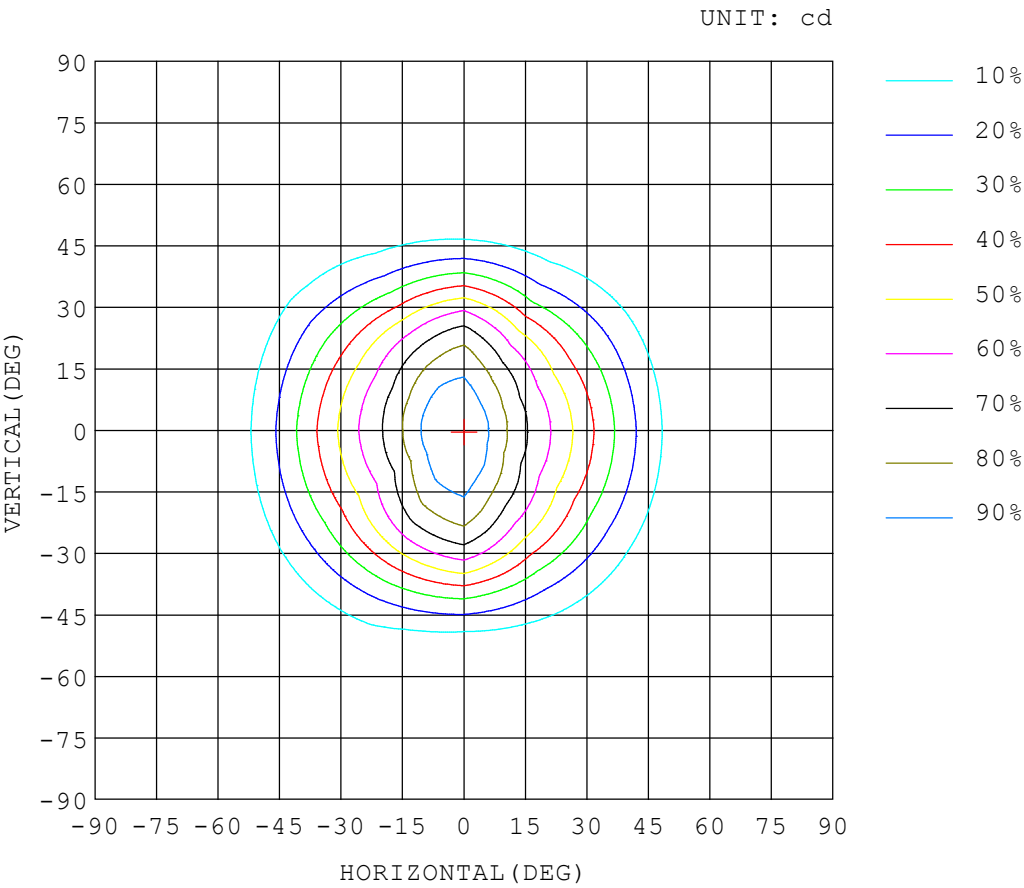
Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:05-26-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:10.500 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.: |



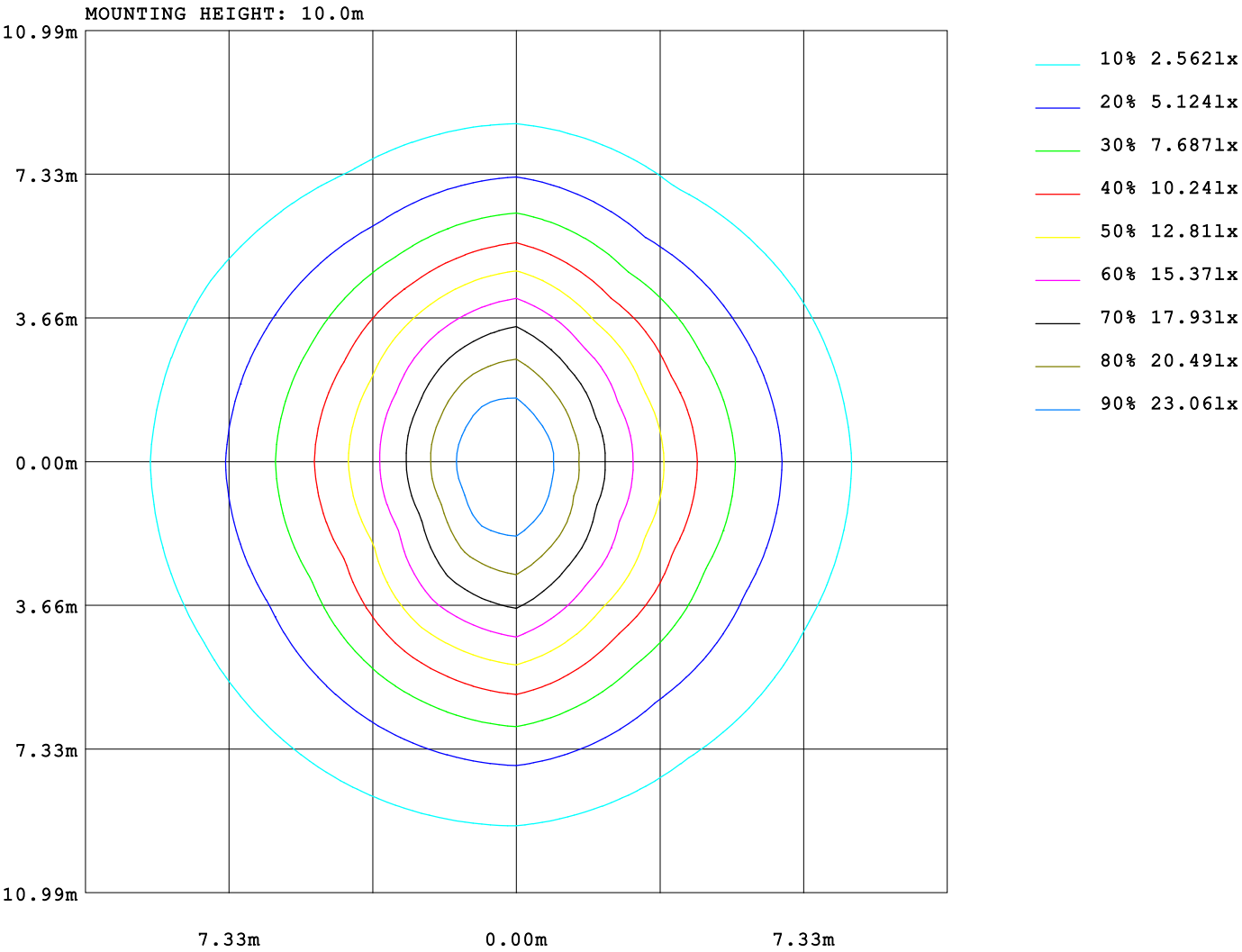
Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:05-26-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:10.500 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:10.500 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 | 0.07 | 0.09 | 0.09 | 0.06 | 0.07 | 0.11 | 0.16             | 0.16 | 0.11 | 0.07 | 0.06 | 0.08 | 0.08 | 0.07 | 0.05 | 0.02 | 1.42    | 0.00 |     |     |
| 90             | 0.01              | 0.04 | 0.08 | 0.11 | 0.11 | 0.08 | 0.08 | 0.15 | 0.22             | 0.21 | 0.14 | 0.07 | 0.07 | 0.09 | 0.10 | 0.08 | 0.06 | 0.02 | 1.73    | 0.00 |     |     |
| 80             | 0.01              | 0.04 | 0.09 | 0.14 | 0.16 | 0.17 | 0.24 | 0.41 | 0.50             | 0.47 | 0.33 | 0.16 | 0.12 | 0.13 | 0.13 | 0.09 | 0.06 | 0.02 | 3.28    | 0.00 |     |     |
| 70             | 0.01              | 0.05 | 0.10 | 0.21 | 0.44 | 0.99 | 1.65 | 2.33 | 2.73             | 2.62 | 2.03 | 1.26 | 0.61 | 0.26 | 0.17 | 0.11 | 0.06 | 0.02 | 15.6    | 0.00 |     |     |
| 60             | 0.01              | 0.05 | 0.11 | 0.41 | 1.50 | 3.34 | 5.38 | 8.03 | 10.2             | 9.74 | 6.91 | 4.22 | 2.30 | 0.83 | 0.25 | 0.12 | 0.07 | 0.02 | 53.5    | 26.2 |     |     |
| 50             | 0.01              | 0.05 | 0.14 | 0.91 | 3.59 | 8.38 | 14.8 | 22.7 | 29.9             | 28.5 | 19.2 | 11.5 | 5.82 | 2.20 | 0.47 | 0.14 | 0.07 | 0.02 | 149     | 136  |     |     |
| 40             | 0.01              | 0.04 | 0.18 | 1.68 | 6.54 | 15.7 | 27.3 | 40.6 | 51.7             | 49.2 | 34.8 | 22.2 | 11.5 | 4.22 | 0.90 | 0.17 | 0.07 | 0.02 | 267     | 260  |     |     |
| 30             | 0.01              | 0.04 | 0.26 | 2.48 | 9.58 | 21.9 | 36.9 | 53.0 | 65.6             | 62.0 | 46.5 | 30.9 | 17.2 | 6.43 | 1.41 | 0.19 | 0.08 | 0.02 | 355     | 349  |     |     |
|                | 0.01              | 0.04 | 0.30 | 3.03 | 11.6 | 25.8 | 42.1 | 59.1 | 73.5             | 69.1 | 52.4 | 36.2 | 20.7 | 8.08 | 1.77 | 0.21 | 0.08 | 0.02 | 404     | 399  |     |     |
|                | 0.01              | 0.04 | 0.30 | 3.04 | 11.7 | 25.9 | 41.9 | 58.7 | 74.3             | 70.1 | 52.7 | 36.6 | 20.9 | 8.19 | 1.77 | 0.20 | 0.08 | 0.02 | 407     | 402  |     |     |
|                | 0.01              | 0.04 | 0.24 | 2.51 | 9.87 | 22.4 | 37.1 | 54.4 | 68.2             | 64.6 | 48.4 | 32.1 | 17.8 | 6.71 | 1.41 | 0.17 | 0.07 | 0.02 | 366     | 360  |     |     |
| -30            | 0.01              | 0.03 | 0.15 | 1.69 | 6.86 | 16.8 | 30.0 | 45.2 | 56.5             | 53.7 | 39.1 | 24.9 | 12.6 | 4.45 | 0.87 | 0.13 | 0.07 | 0.02 | 293     | 286  |     |     |
| -40            | 0.01              | 0.03 | 0.09 | 0.89 | 3.81 | 10.0 | 19.0 | 28.9 | 36.4             | 34.8 | 24.6 | 14.8 | 7.03 | 2.29 | 0.40 | 0.10 | 0.06 | 0.02 | 184     | 174  |     |     |
| -50            | 0.01              | 0.03 | 0.06 | 0.33 | 1.69 | 4.44 | 8.49 | 12.5 | 15.2             | 14.4 | 10.4 | 6.33 | 3.03 | 0.90 | 0.15 | 0.08 | 0.06 | 0.02 | 78.3    | 58.6 |     |     |
| -60            | 0.01              | 0.03 | 0.05 | 0.11 | 0.55 | 1.63 | 2.99 | 3.76 | 3.82             | 3.57 | 3.16 | 2.30 | 1.08 | 0.31 | 0.08 | 0.07 | 0.05 | 0.02 | 23.6    | 0.00 |     |     |
| -70            | 0.01              | 0.03 | 0.04 | 0.07 | 0.17 | 0.44 | 0.80 | 0.85 | 0.70             | 0.63 | 0.67 | 0.57 | 0.32 | 0.15 | 0.07 | 0.06 | 0.05 | 0.02 | 5.68    | 0.00 |     |     |
| -80            | 0.01              | 0.03 | 0.05 | 0.07 | 0.13 | 0.21 | 0.25 | 0.20 | 0.13             | 0.12 | 0.19 | 0.24 | 0.20 | 0.13 | 0.08 | 0.07 | 0.05 | 0.02 | 2.18    | 0.00 |     |     |
| -90            | 0.01              | 0.04 | 0.05 | 0.08 | 0.12 | 0.18 | 0.20 | 0.17 | 0.13             | 0.13 | 0.17 | 0.21 | 0.19 | 0.14 | 0.10 | 0.07 | 0.06 | 0.02 | 2.06    | 0.00 |     |     |
|                | -90               | -80  | -70  | -60  | -50  | -40  | -30  | -20  | HORIZONTAL (DEG) |      |      |      | 20   | 30   | 40   | 50   | 60   | 70   | 80      | 90   |     |     |
| Φ t            | 0.23              | 0.70 | 2.37 | 17.8 | 68.6 | 159  | 270  | 392  | 490              | 464  | 342  | 225  | 122  | 45.6 | 10.2 | 2.15 | 1.14 | 0.40 | 2622    |      |     |     |
| Φ a            | 0.00              | 0.00 | 0.00 | 2.08 | 54.2 | 146  | 258  | 380  | 479              | 453  | 330  | 212  | 108  | 27.4 | 0.00 | 0.00 | 0.00 | 0.00 |         | 2445 |     |     |

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

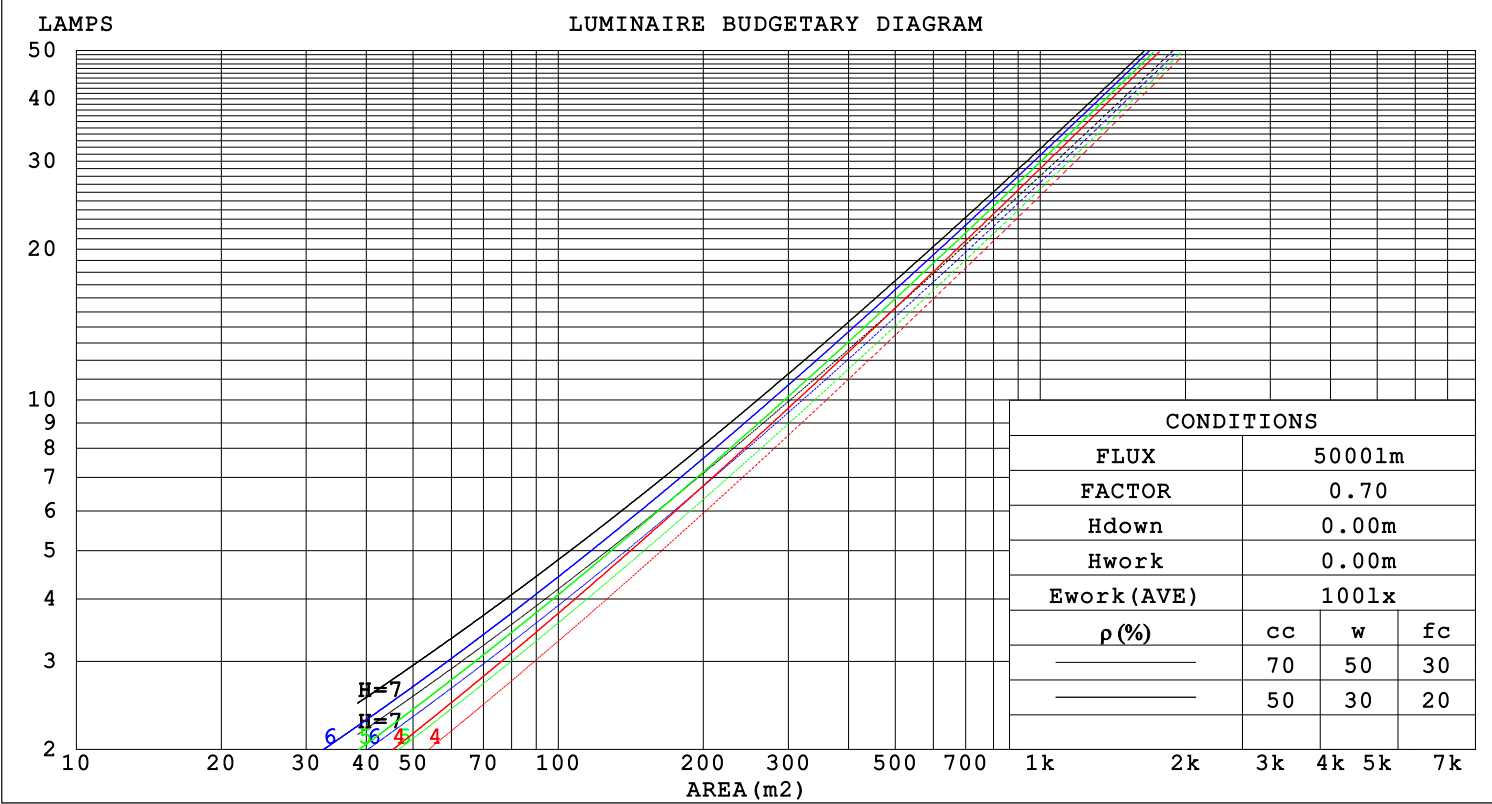
Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:10.500 m  
Remarks: 3000K

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

|                                                                      |  |  |  |  |  |  |  |                          |  |  |  |             |  |  |  |
|----------------------------------------------------------------------|--|--|--|--|--|--|--|--------------------------|--|--|--|-------------|--|--|--|
| MANUFACTURER: DIVINITY LIGHTS                                        |  |  |  |  |  |  |  |                          |  |  |  |             |  |  |  |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019 |  |  |  |  |  |  |  |                          |  |  |  |             |  |  |  |
| NAME: 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    |
| 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             | 1.10                                                                       | 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  | .66  | .65  |
| 6.0             | .74                                                                        | .68  | .63  | .73  | .67  | .63  | .72  | .66  | .62  | .70  | .65  | .62  | .69  | .65  | .61  | .60  |
| 7.0             | .69                                                                        | .63  | .58  | .68  | .62  | .58  | .67  | .62  | .57  | .66  | .61  | .57  | .65  | .60  | .57  | .55  |
| 8.0             | .65                                                                        | .58  | .54  | .64  | .58  | .53  | .63  | .57  | .53  | .62  | .57  | .53  | .61  | .56  | .53  | .51  |
| 9.0             | .61                                                                        | .54  | .50  | .60  | .54  | .50  | .59  | .53  | .49  | .58  | .53  | .49  | .57  | .53  | .49  | .48  |
| 10.0            | .57                                                                        | .51  | .46  | .56  | .50  | .46  | .56  | .50  | .46  | .55  | .50  | .46  | .54  | .49  | .46  | .44  |



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:10.500 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                  | .112 | .035 | .189 | .108 | .034 | .177                            | .101 | .032 | .165 | .095 | .031 | .154 | .089 | .029 |   |
| 2.0  | .189                  | .104 | .032 | .184 | .101 | .031 | .173                            | .096 | .030 | .163 | .091 | .029 | .154 | .087 | .027 |   |
| 3.0  | .181                  | .096 | .029 | .176 | .094 | .028 | .167                            | .090 | .027 | .158 | .087 | .027 | .150 | .083 | .026 |   |
| 4.0  | .173                  | .090 | .026 | .168 | .088 | .026 | .160                            | .085 | .025 | .153 | .082 | .025 | .146 | .079 | .024 |   |
| 5.0  | .164                  | .084 | .024 | .161 | .082 | .024 | .153                            | .080 | .024 | .147 | .077 | .023 | .141 | .075 | .023 |   |
| 6.0  | .156                  | .078 | .022 | .153 | .077 | .022 | .147                            | .075 | .022 | .141 | .073 | .022 | .136 | .071 | .021 |   |
| 7.0  | .149                  | .074 | .021 | .146 | .073 | .021 | .141                            | .071 | .020 | .135 | .069 | .020 | .130 | .068 | .020 |   |
| 8.0  | .142                  | .070 | .020 | .140 | .069 | .019 | .135                            | .067 | .019 | .130 | .066 | .019 | .126 | .064 | .019 |   |
| 9.0  | .136                  | .066 | .018 | .133 | .065 | .018 | .129                            | .064 | .018 | .125 | .063 | .018 | .121 | .061 | .018 |   |
| 10.0 | .130                  | .062 | .017 | .128 | .062 | .017 | .124                            | .061 | .017 | .120 | .060 | .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 | .045 | .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                  | .066 | .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:10.500 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 | 13.3             | 14.4 | 13.6 | 14.6                     | 14.8 | 14.8           | 15.9        | 15.0 | 16.0 | 16.2 |
|                                                                      | 3H     | 13.2             | 14.2 | 13.4 | 14.4                     | 14.6 | 14.6           | 15.6        | 14.9 | 15.8 | 16.0 |
|                                                                      | 4H     | 13.1             | 14.0 | 13.4 | 14.3                     | 14.5 | 14.5           | 15.5        | 14.8 | 15.7 | 15.9 |
|                                                                      | 6H     | 13.0             | 13.9 | 13.3 | 14.2                     | 14.4 | 14.4           | 15.3        | 14.7 | 15.6 | 15.8 |
|                                                                      | 8H     | 13.0             | 13.9 | 13.3 | 14.1                     | 14.4 | 14.4           | 15.2        | 14.7 | 15.5 | 15.8 |
|                                                                      | 12H    | 13.0             | 13.8 | 13.4 | 14.1                     | 14.4 | 14.4           | 15.2        | 14.7 | 15.4 | 15.7 |
| 4H                                                                   | 2H     | 13.1             | 14.1 | 13.4 | 14.3                     | 14.5 | 14.6           | 15.5        | 14.8 | 15.7 | 15.9 |
|                                                                      | 3H     | 13.0             | 13.8 | 13.3 | 14.0                     | 14.3 | 14.4           | 15.2        | 14.7 | 15.5 | 15.7 |
|                                                                      | 4H     | 12.9             | 13.6 | 13.3 | 13.9                     | 14.2 | 14.3           | 15.0        | 14.7 | 15.3 | 15.6 |
|                                                                      | 6H     | 12.9             | 13.5 | 13.2 | 13.8                     | 14.2 | 14.2           | 14.9        | 14.6 | 15.2 | 15.5 |
|                                                                      | 8H     | 12.9             | 13.4 | 13.3 | 13.8                     | 14.2 | 14.2           | 14.8        | 14.6 | 15.1 | 15.5 |
|                                                                      | 12H    | 12.9             | 13.4 | 13.3 | 13.8                     | 14.2 | 14.2           | 14.7        | 14.6 | 15.1 | 15.5 |
| 8H                                                                   | 4H     | 12.8             | 13.4 | 13.2 | 13.7                     | 14.1 | 14.2           | 14.8        | 14.6 | 15.1 | 15.5 |
|                                                                      | 6H     | 12.7             | 13.2 | 13.2 | 13.6                     | 14.0 | 14.1           | 14.6        | 14.5 | 15.0 | 15.4 |
|                                                                      | 8H     | 12.8             | 13.2 | 13.2 | 13.6                     | 14.0 | 14.1           | 14.5        | 14.5 | 14.9 | 15.4 |
|                                                                      | 12H    | 12.8             | 13.2 | 13.3 | 13.6                     | 14.1 | 14.1           | 14.4        | 14.6 | 14.9 | 15.4 |
| 12H                                                                  | 4H     | 12.7             | 13.3 | 13.1 | 13.6                     | 14.0 | 14.1           | 14.7        | 14.5 | 15.0 | 15.4 |
|                                                                      | 6H     | 12.7             | 13.1 | 13.1 | 13.5                     | 14.0 | 14.1           | 14.5        | 14.5 | 14.9 | 15.3 |
|                                                                      | 8H     | 12.7             | 13.1 | 13.2 | 13.5                     | 14.0 | 14.1           | 14.4        | 14.5 | 14.9 | 15.3 |
| Variations with the observer position at spacings:                   |        |                  |      |      |                          |      |                |             |      |      |      |
| S = 1.0H                                                             |        | + 2.4 / - 8.6    |      |      |                          |      | + 3.0 / - 6.8  |             |      |      |      |
| 1.5H                                                                 |        | + 3.4 / - 7.6    |      |      |                          |      | + 4.5 / - 4.5  |             |      |      |      |
| 2.0H                                                                 |        | + 6.1 / - 7.7    |      |      |                          |      | + 6.9 / - 8.8  |             |      |      |      |

CIE Pub.117 Corrected 2622 lm Total Lamp Luminous Flux.(8log(F/F0) = 3.3)

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:10.500 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  | 67  | 78  | 72            | 67  | 63     |
| 0.80                             | 89                                                   | 81  | 77        | 88  | 81  | 77  | 86  | 80            | 76  | 72     |
| 1.00                             | 95                                                   | 88  | 83        | 94  | 87  | 83  | 92  | 88            | 83  | 78     |
| 1.25                             | 100                                                  | 93  | 89        | 98  | 93  | 89  | 96  | 92            | 88  | 83     |
| 1.50                             | 103                                                  | 97  | 93        | 101 | 96  | 93  | 99  | 95            | 92  | 87     |
| 2.00                             | 106                                                  | 102 | 98        | 105 | 100 | 97  | 102 | 98            | 96  | 90     |
| 2.50                             | 108                                                  | 104 | 100       | 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           | 102 | 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 |     |        |

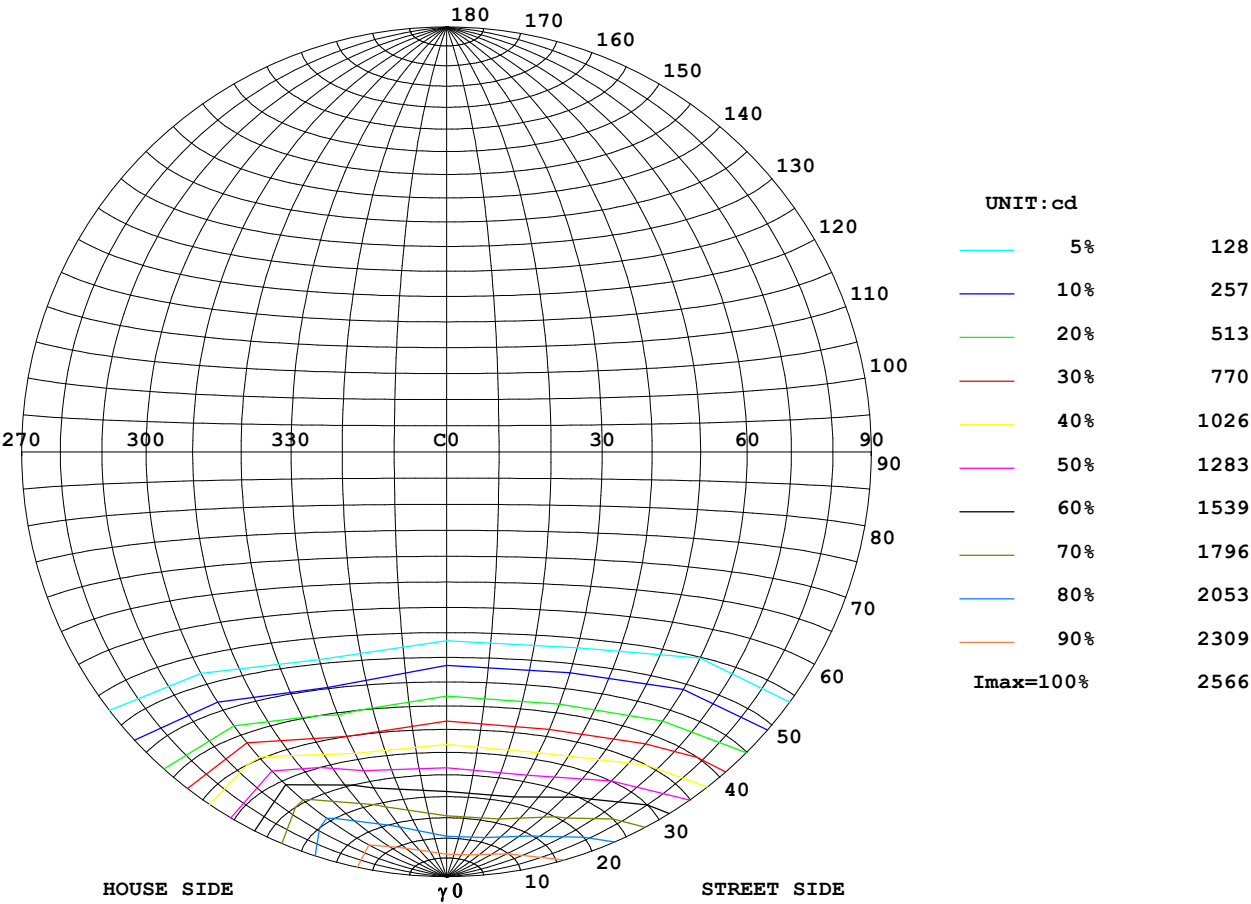
Test System: HOPOO HPG1800  
 Temperature: 25.3 DEG  
 Operators:  
 Test Date: 05-26-2025

Test Set: 5.0 deg/s C-Gamma (TYPE C)  
 Humidity: 65.0%  
 Test Distance: 10.500 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

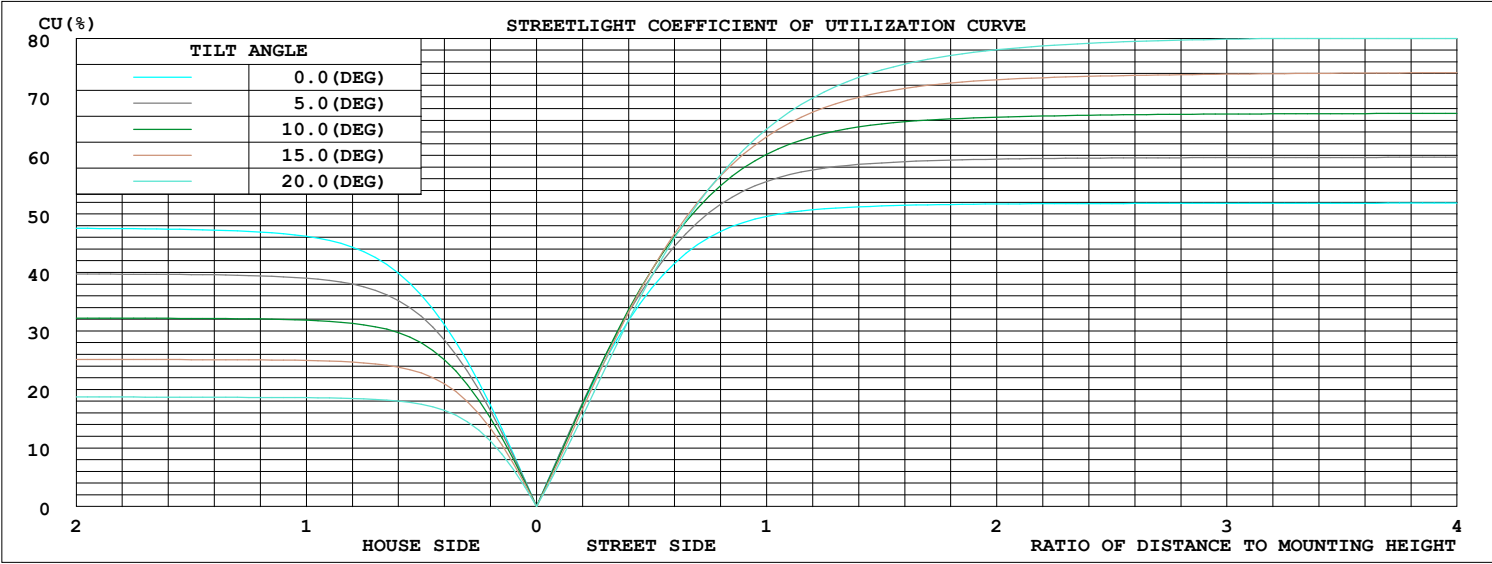
Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:10.500 m  
Remarks: 3000K

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 = 25.62 lx



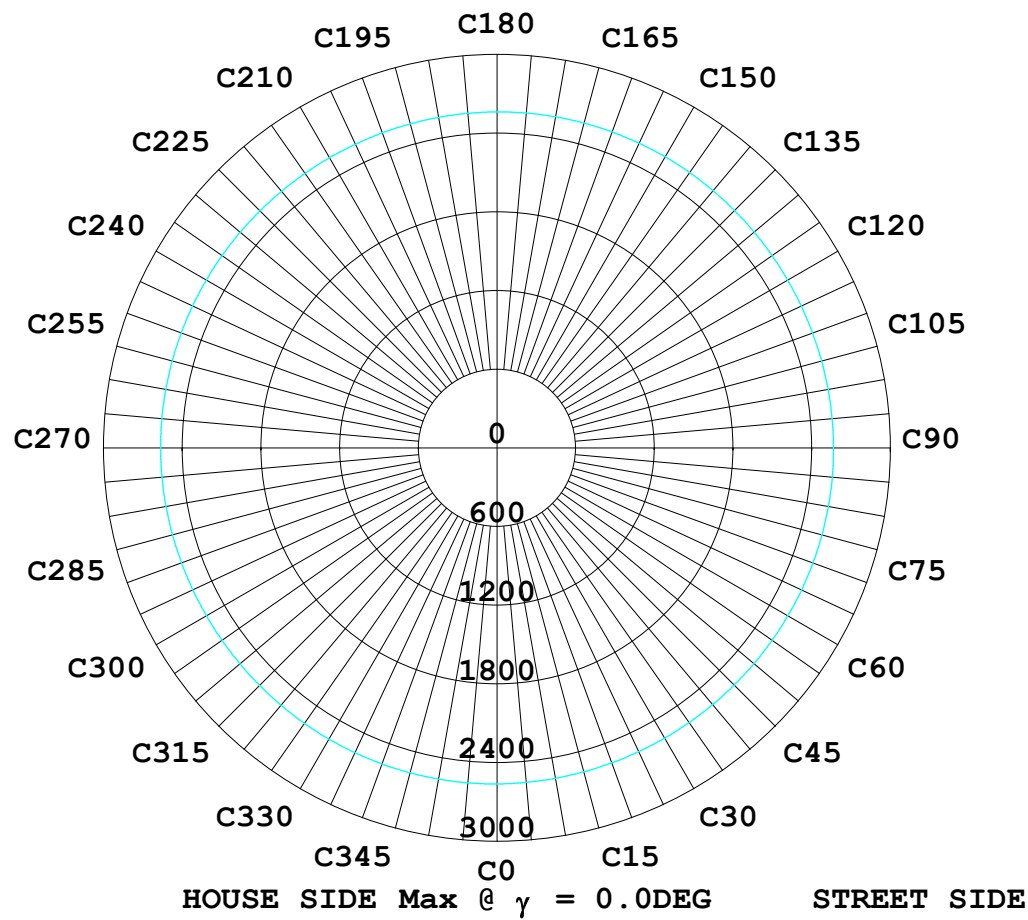
Test System:HOP00 HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:05-26-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:10.500 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:10.500 m  
Remarks: 3000K

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

|                                                                      |                          |             |
|----------------------------------------------------------------------|--------------------------|-------------|
| MANUFACTURER: DIVINITY LIGHTS                                        |                          |             |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019 |                          |             |
| NAME: 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                | 2562 | 2556 | 2561 | 2566 | 2559 | 2564 | 2562 | 2556 | 2561 | 2566 | 2559 | 2564 |
| 5.0                | 2361 | 2391 | 2472 | 2536 | 2564 | 2546 | 2545 | 2528 | 2511 | 2487 | 2416 | 2383 |
| 10.0               | 2076 | 2116 | 2303 | 2448 | 2447 | 2338 | 2332 | 2344 | 2390 | 2380 | 2225 | 2106 |
| 15.0               | 1815 | 1842 | 2079 | 2341 | 2271 | 2049 | 2044 | 2079 | 2196 | 2255 | 2004 | 1833 |
| 20.0               | 1592 | 1605 | 1836 | 2206 | 2078 | 1775 | 1785 | 1804 | 1956 | 2088 | 1743 | 1578 |
| 25.0               | 1358 | 1355 | 1578 | 1978 | 1824 | 1525 | 1571 | 1545 | 1668 | 1826 | 1448 | 1314 |
| 30.0               | 1114 | 1099 | 1284 | 1667 | 1504 | 1279 | 1322 | 1282 | 1322 | 1480 | 1113 | 1063 |
| 35.0               | 857  | 844  | 965  | 1277 | 1161 | 1025 | 1069 | 1002 | 941  | 1044 | 770  | 808  |
| 40.0               | 608  | 597  | 659  | 844  | 820  | 769  | 811  | 736  | 606  | 637  | 486  | 562  |
| 45.0               | 374  | 363  | 402  | 506  | 527  | 528  | 555  | 494  | 332  | 303  | 262  | 324  |
| 50.0               | 199  | 193  | 219  | 202  | 293  | 301  | 316  | 283  | 166  | 154  | 138  | 185  |
| 55.0               | 93.1 | 88.5 | 125  | 108  | 160  | 154  | 162  | 149  | 90.8 | 89.6 | 74.7 | 87.7 |
| 60.0               | 24.1 | 27.0 | 69.7 | 53.1 | 90.1 | 67.8 | 63.7 | 67.4 | 46.1 | 32.5 | 32.3 | 31.7 |
| 65.0               | 13.5 | 6.61 | 29.5 | 9.04 | 43.8 | 18.5 | 9.15 | 23.9 | 10.1 | 12.6 | 5.29 | 13.7 |
| 70.0               | 11.2 | 3.63 | 12.0 | 3.08 | 15.5 | 5.07 | 5.18 | 12.0 | 2.64 | 9.92 | 2.20 | 9.70 |
| 75.0               | 9.81 | 3.52 | 9.81 | 2.64 | 10.2 | 3.19 | 4.74 | 9.15 | 2.09 | 8.04 | 1.76 | 7.93 |
| 80.0               | 9.15 | 3.63 | 8.59 | 2.75 | 8.82 | 3.19 | 4.41 | 7.71 | 1.65 | 6.83 | 1.54 | 6.61 |
| 85.0               | 8.93 | 4.41 | 8.26 | 3.19 | 7.93 | 3.30 | 4.41 | 6.50 | 1.54 | 6.06 | 1.54 | 5.62 |
| 90.0               | 8.82 | 5.84 | 8.26 | 4.41 | 7.49 | 4.18 | 6.06 | 5.29 | 2.20 | 5.18 | 2.09 | 4.96 |

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:10.500 m  
Remarks: 3000K