

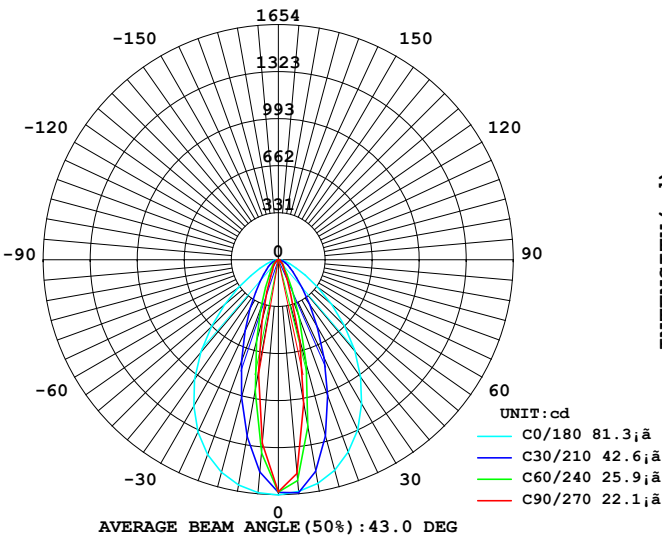
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

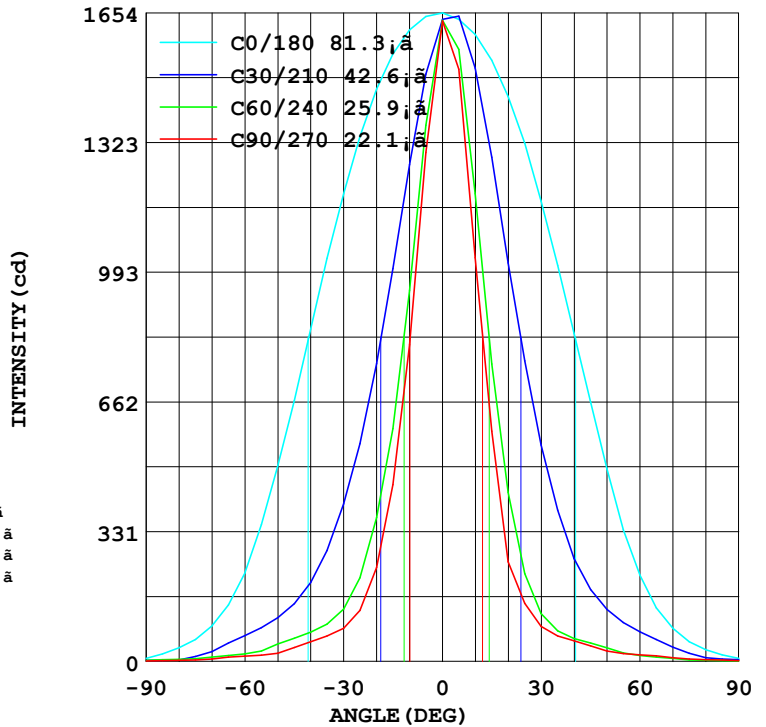
| | | |
|--|-----------------------|-------------|
| MANUFACTURER: DIVINITY LIGHTS | | |
| Address: PLOT NO-21 SAROORPUR NANGLA IND. AREA FARIBAAD HARYANA 121005 | | |
| NAME: P2 VERTICAL WALL GRAZER | TYPE: .5w 3K CRI 90 | WEIGHT: |
| SPECIFICATION: | DIMENSION: 1200*18*20 | SERIAL No.: |

| | | | | | |
|-------------------|-------------|---------------------|--------|-------------------|-------|
| DATA OF LAMP | | Imax (cd) | 1655 | S/MH (C0/180) | 1.10 |
| MODEL | P2 VERTICAL | EFFICIENCY (%) | 100.0 | S/MH (C90/270) | 0.34 |
| NOMINAL POWER (W) | 10 | TOTAL FLUX (lm) | 1137.6 | Voltage (V) | 219.6 |
| RATED VOLTAGE (V) | 220 | EFFICIENCY (lm/W) | 110.3 | Current (A) | 0.053 |
| NOMINAL FLUX (lm) | 1137.7 | η up (%) | 0.0 | Power (W) | 10.31 |
| LAMPS QUANTITY | 1 | η down (%) | 100.0 | Power Factor (PF) | 0.978 |
| TEST VOLTAGE (V) | 219.6 | Effective Flux (lm) | 964.4 | EET | 0.138 |

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System: HOPOO HPG1800
 Temperature: 25.3 DEG
 Operators:
 Test Date: 05-24-2023

Test Set: 5.0 deg/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-21 SAROORPUR NANGLA IND. AREA FARIBAAD HARYANA 121005 | | |
| NAME: P2 VERTICAL WALL GRAZER | TYPE: .5w 3K CRI 90 | WEIGHT: |
| SPECIFICATION: | DIMENSION: 1200*18*20 | SERIAL No.: |

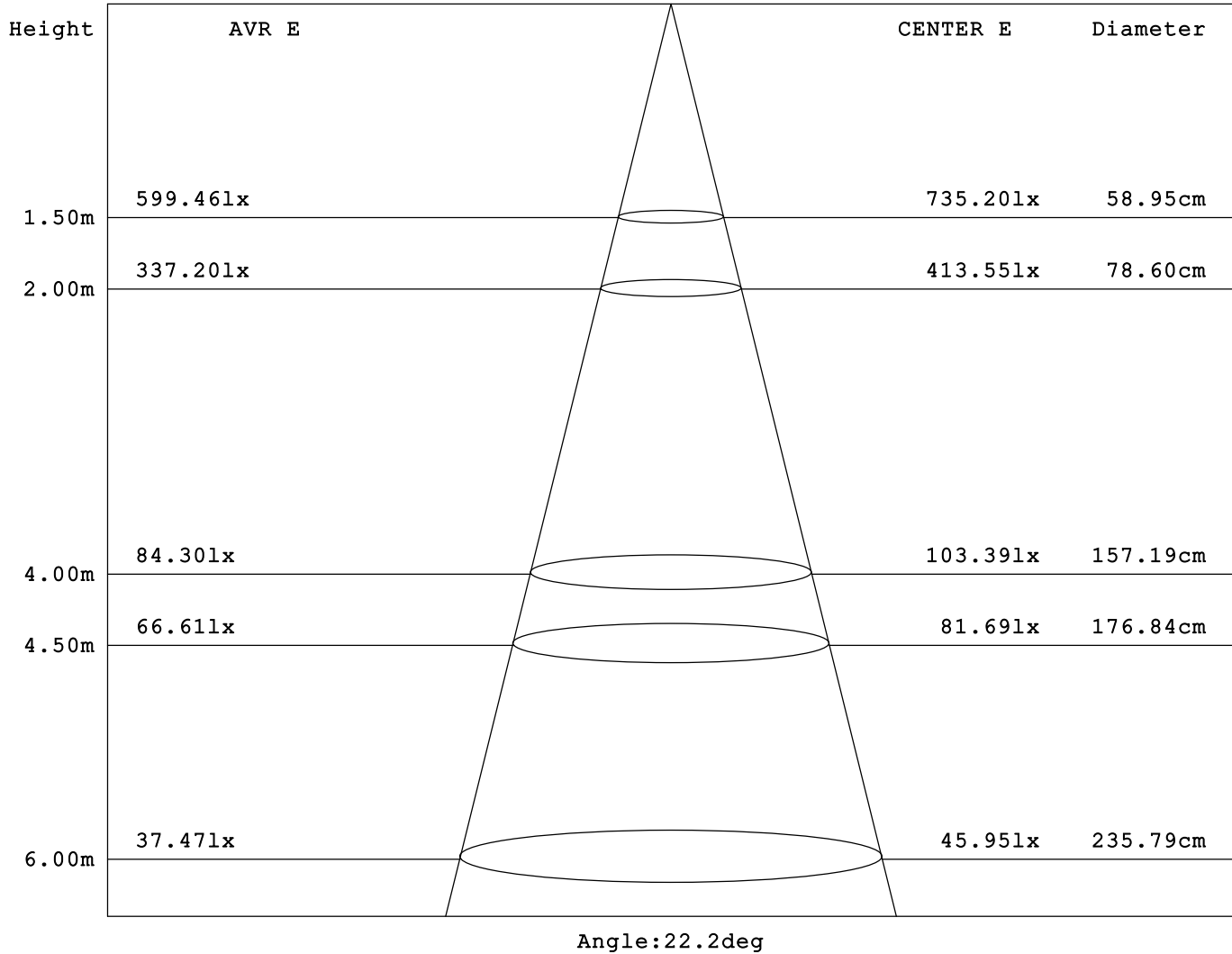
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:05-24-2023

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-21 SAROORPUR NANGLA IND. AREA FARIBAAD HARYANA 121005 | | |
| NAME: P2 VERTICAL WALL GRAZER | TYPE: .5w 3K CRI 90 | WEIGHT: |
| SPECIFICATION: | DIMENSION: 1200*18*20 | SERIAL No.: |



Test System: HOPOO HPG1800
 Temperature: 25.3DEG
 Operators:
 Test Date: 05-24-2023

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-21 SAROORPUR NANGLA IND. AREA FARIBAAD HARYANA 121005 | | |
| NAME: P2 VERTICAL WALL GRAZER | TYPE: .5w 3K CRI 90 | WEIGHT: |
| SPECIFICATION: | DIMENSION: 1200*18*20 | SERIAL No.: |

| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | Zone | total |
|-------|-----------------------|-------|-------|-------|-------|-------|-------|-------|---------|---------|-------|
| 10.0 | 1611 | 1107 | 807.1 | 1135 | 1600 | 1353 | 1029 | 1250 | 0- 10 | 136.0 | 136.0 |
| 20.0 | 1460 | 563.1 | 239.7 | 560.3 | 1441 | 723.6 | 254.3 | 596.4 | 10- 20 | 261.6 | 397.6 |
| 30.0 | 1192 | 267.6 | 84.74 | 255.1 | 1174 | 337.0 | 89.52 | 259.4 | 20- 30 | 243.0 | 640.6 |
| 40.0 | 847.3 | 138.1 | 50.08 | 126.6 | 837.2 | 160.4 | 52.25 | 119.8 | 30- 40 | 195.5 | 836.2 |
| 50.0 | 497.8 | 77.97 | 21.02 | 68.86 | 490.9 | 83.79 | 26.26 | 64.48 | 40- 50 | 142.7 | 978.9 |
| 60.0 | 225.1 | 42.73 | 13.71 | 37.36 | 219.5 | 45.17 | 16.60 | 37.63 | 50- 60 | 87.87 | 1067 |
| 70.0 | 90.06 | 18.14 | 6.407 | 14.71 | 84.11 | 22.20 | 9.747 | 17.77 | 60- 70 | 45.73 | 1113 |
| 80.0 | 34.92 | 4.693 | 2.978 | 3.880 | 30.05 | 6.091 | 4.422 | 5.008 | 70- 80 | 18.47 | 1131 |
| 90.0 | 7.400 | 2.707 | 1.083 | 1.940 | 7.490 | 3.158 | 2.256 | 2.527 | 80- 90 | 6.630 | 1138 |
| 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:05-24-2023

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

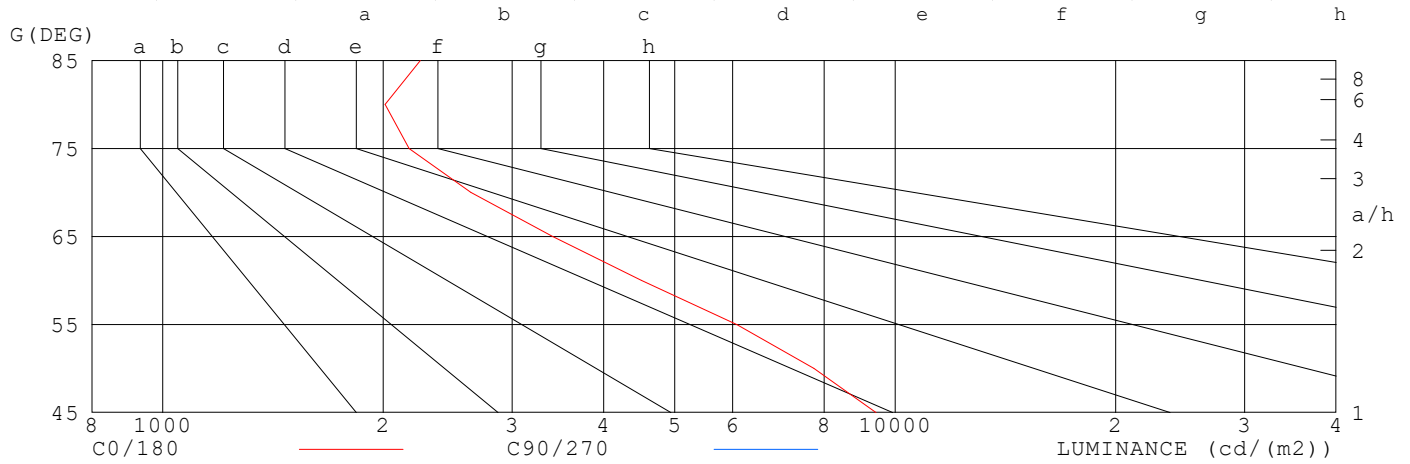
LUMINANCE LIMITATION CURVES

Report number:

| | | |
|--|-----------------------|-------------|
| MANUFACTURER: DIVINITY LIGHTS | | |
| Address: PLOT NO-21 SAROORPUR NANGLA IND. AREA FARIBAAD HARYANA 121005 | | |
| NAME: P2 VERTICAL WALL GRAZER | TYPE: .5w 3K CRI 90 | WEIGHT: |
| SPECIFICATION: | DIMENSION: 1200*18*20 | SERIAL No.: |

LUMINANCE LIMITATION CURVES

| GLARE | CLASS | ILLUMINANCE (lx) | | | | | | | |
|-------|-------|------------------|------|------|-------|-------|-------|-------|-------|
| 1.15 | A | 2000 | 1000 | 500 | <=300 | | | | |
| 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 | 2247 | 238 |
| 80 | 2011 | 172 |
| 75 | 2169 | 139 |
| 70 | 2633 | 187 |
| 65 | 3408 | 269 |
| 60 | 4503 | 274 |
| 55 | 6080 | 282 |
| 50 | 7745 | 327 |
| 45 | 9413 | 500 |

Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:05-24-2023

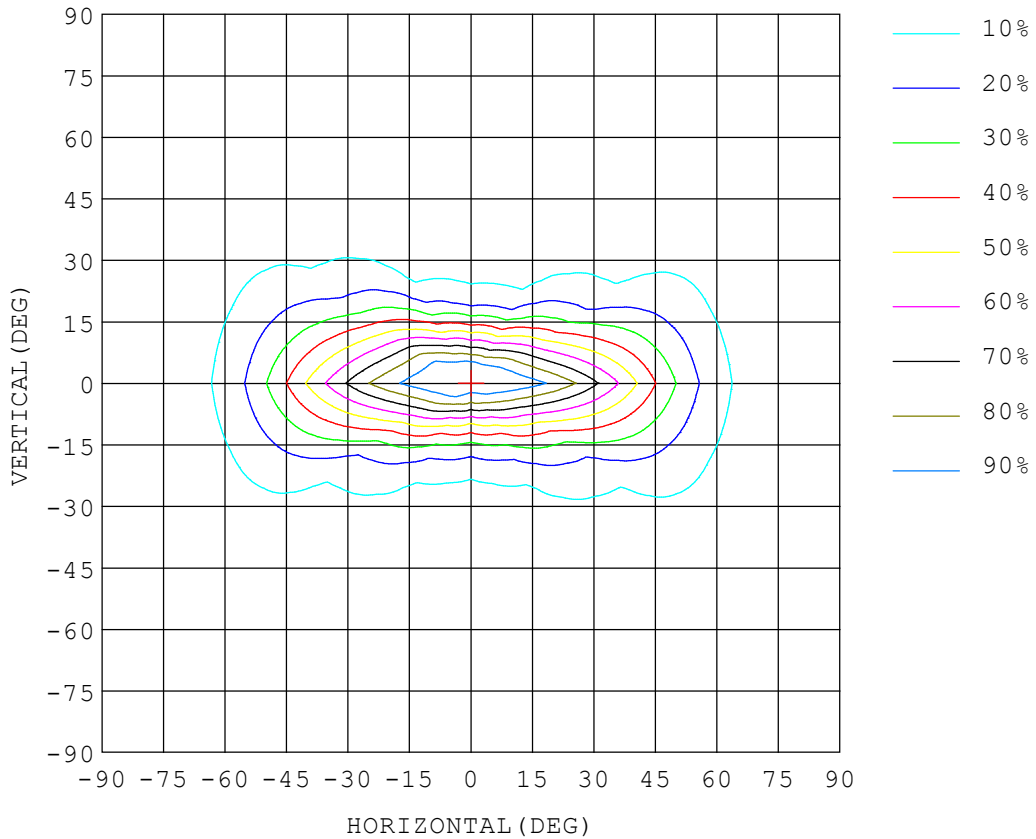
Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:9.500 m
 Remarks: 3000K

ISOCANDELA DIAGRAM

Report number:

| | | |
|--|-----------------------|-------------|
| MANUFACTURER: DIVINITY LIGHTS | | |
| Address: PLOT NO-21 SAROORPUR NANGLA IND. AREA FARIBAAD HARYANA 121005 | | |
| NAME: P2 VERTICAL WALL GRAZER | TYPE: .5w 3K CRI 90 | WEIGHT: |
| SPECIFICATION: | DIMENSION: 1200*18*20 | SERIAL No.: |

UNIT: cd



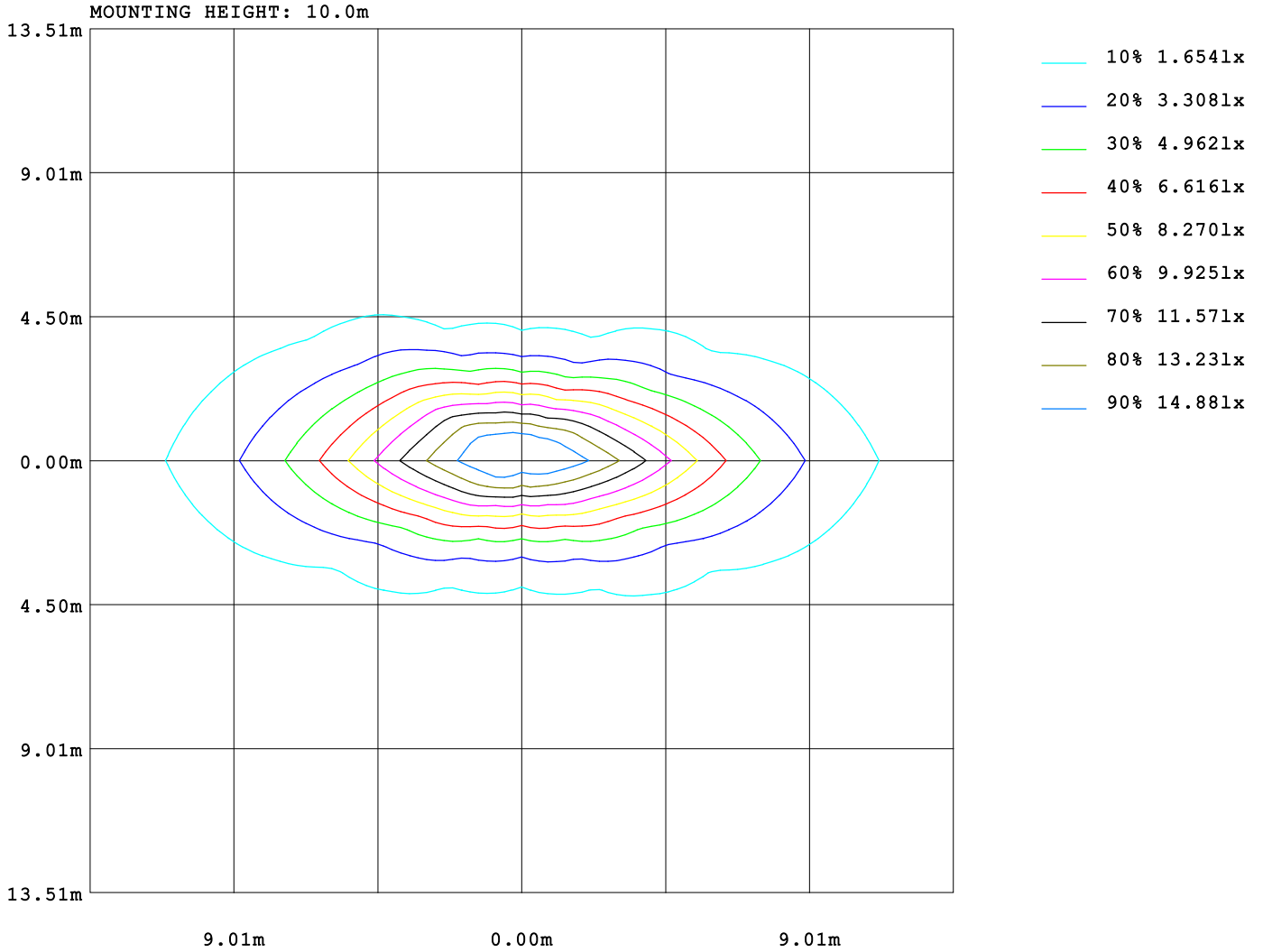
Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:05-24-2023

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-21 SAROORPUR NANGLA IND. AREA FARIBAAD HARYANA 121005 | | |
| NAME: P2 VERTICAL WALL GRAZER | TYPE: .5w 3K CRI 90 | WEIGHT: |
| SPECIFICATION: | DIMENSION: 1200*18*20 | SERIAL No.: |



Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:05-24-2023

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-21 SAROORPUR NANGLA IND. AREA FARIBAAD HARYANA 121005 | | |
| NAME: P2 VERTICAL WALL GRAZER | TYPE: .5w 3K CRI 90 | WEIGHT: |
| SPECIFICATION: | DIMENSION: 1200*18*20 | SERIAL No.: |

| VERTICAL (DEG) | AREA FLUX DIAGRAM | | | | | | | | | | | | | | | | | | UNIT:lm | | Φ t | Φ a |
|----------------|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---------|------|-----|-----|
| | 90 | 80 | 70 | 60 | 50 | 40 | 30 | 20 | 10 | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | | | |
| 90 | 0.02 | 0.06 | 0.08 | 0.09 | 0.08 | 0.07 | 0.06 | 0.08 | 0.10 | 0.09 | 0.07 | 0.05 | 0.05 | 0.07 | 0.08 | 0.08 | 0.06 | 0.02 | 1.21 | 0.00 | | |
| 80 | 0.02 | 0.08 | 0.12 | 0.14 | 0.16 | 0.14 | 0.11 | 0.15 | 0.19 | 0.18 | 0.15 | 0.11 | 0.12 | 0.13 | 0.12 | 0.12 | 0.09 | 0.03 | 2.16 | 0.00 | | |
| 70 | 0.03 | 0.11 | 0.20 | 0.31 | 0.41 | 0.39 | 0.28 | 0.34 | 0.39 | 0.39 | 0.33 | 0.27 | 0.33 | 0.33 | 0.25 | 0.20 | 0.12 | 0.03 | 4.71 | 0.00 | | |
| 60 | 0.03 | 0.15 | 0.35 | 0.61 | 0.83 | 0.81 | 0.55 | 0.59 | 0.64 | 0.62 | 0.54 | 0.48 | 0.67 | 0.67 | 0.49 | 0.34 | 0.17 | 0.04 | 8.57 | 0.00 | | |
| 50 | 0.04 | 0.20 | 0.56 | 1.05 | 1.40 | 1.55 | 1.27 | 1.16 | 1.22 | 1.19 | 1.06 | 1.05 | 1.23 | 1.13 | 0.90 | 0.54 | 0.22 | 0.04 | 15.8 | 0.00 | | |
| 40 | 0.04 | 0.26 | 0.83 | 1.74 | 2.36 | 2.97 | 2.96 | 2.04 | 2.14 | 2.04 | 1.82 | 2.30 | 2.23 | 1.91 | 1.59 | 0.81 | 0.28 | 0.05 | 28.4 | 0.18 | | |
| 30 | 0.05 | 0.33 | 1.14 | 2.77 | 4.65 | 5.92 | 7.45 | 6.05 | 5.50 | 4.97 | 4.86 | 5.52 | 4.43 | 4.12 | 2.67 | 1.14 | 0.35 | 0.06 | 62.0 | 43.3 | | |
| 20 | 0.05 | 0.38 | 1.48 | 4.12 | 8.33 | 12.7 | 17.3 | 20.3 | 19.7 | 18.0 | 16.8 | 14.1 | 11.3 | 7.92 | 4.11 | 1.51 | 0.42 | 0.06 | 159 | 155 | | |
| 10 | 0.06 | 0.43 | 1.78 | 5.51 | 12.4 | 21.2 | 30.4 | 39.1 | 43.8 | 42.1 | 36.7 | 29.3 | 20.9 | 12.3 | 5.62 | 1.85 | 0.47 | 0.06 | 304 | 301 | | |
| 0 | 0.06 | 0.43 | 1.77 | 5.46 | 12.2 | 20.5 | 28.4 | 34.9 | 39.1 | 38.5 | 34.8 | 28.8 | 20.9 | 12.4 | 5.63 | 1.85 | 0.47 | 0.06 | 287 | 283 | | |
| -10 | 0.05 | 0.37 | 1.43 | 3.98 | 7.84 | 11.0 | 13.1 | 15.7 | 15.7 | 15.7 | 15.8 | 13.5 | 11.5 | 8.07 | 4.15 | 1.52 | 0.41 | 0.06 | 140 | 136 | | |
| -20 | 0.05 | 0.31 | 1.05 | 2.57 | 4.06 | 4.39 | 5.53 | 5.29 | 4.98 | 5.10 | 5.54 | 5.91 | 4.79 | 4.32 | 2.73 | 1.14 | 0.35 | 0.06 | 58.2 | 37.2 | | |
| -30 | 0.04 | 0.24 | 0.72 | 1.49 | 1.86 | 2.29 | 2.59 | 2.28 | 2.19 | 2.24 | 2.40 | 2.82 | 2.58 | 2.09 | 1.64 | 0.80 | 0.28 | 0.05 | 28.6 | 0.00 | | |
| -40 | 0.04 | 0.18 | 0.44 | 0.77 | 1.06 | 1.28 | 1.27 | 1.26 | 1.18 | 1.22 | 1.35 | 1.42 | 1.46 | 1.24 | 0.92 | 0.51 | 0.21 | 0.04 | 15.9 | 0.00 | | |
| -50 | 0.03 | 0.13 | 0.25 | 0.35 | 0.58 | 0.70 | 0.59 | 0.60 | 0.56 | 0.58 | 0.65 | 0.65 | 0.80 | 0.71 | 0.45 | 0.30 | 0.15 | 0.04 | 8.12 | 0.00 | | |
| -60 | 0.03 | 0.09 | 0.13 | 0.15 | 0.25 | 0.33 | 0.34 | 0.35 | 0.34 | 0.35 | 0.37 | 0.36 | 0.39 | 0.32 | 0.19 | 0.16 | 0.11 | 0.03 | 4.30 | 0.00 | | |
| -70 | 0.02 | 0.06 | 0.07 | 0.06 | 0.10 | 0.14 | 0.16 | 0.16 | 0.14 | 0.14 | 0.17 | 0.18 | 0.16 | 0.12 | 0.07 | 0.09 | 0.08 | 0.03 | 1.96 | 0.00 | | |
| -80 | 0.02 | 0.04 | 0.04 | 0.04 | 0.06 | 0.08 | 0.09 | 0.08 | 0.07 | 0.07 | 0.09 | 0.10 | 0.09 | 0.07 | 0.05 | 0.06 | 0.05 | 0.02 | 1.14 | 0.00 | | |
| -90 | 0.02 | 0.04 | 0.04 | 0.04 | 0.06 | 0.08 | 0.09 | 0.08 | 0.07 | 0.07 | 0.09 | 0.10 | 0.09 | 0.07 | 0.05 | 0.06 | 0.05 | 0.02 | 1.14 | 0.00 | | |
| | -90 | -80 | -70 | -60 | -50 | -40 | -30 | -20 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | | | | | | |
| Φ t | 0.68 | 3.86 | 12.4 | 31.2 | 58.7 | 86.7 | 113 | 131 | 138 | 134 | 124 | 107 | 84.0 | 58.0 | 31.7 | 13.0 | 4.29 | 0.78 | 1138 | | | |
| Φ a | 0.00 | 0.00 | 1.45 | 20.7 | 48.0 | 74.0 | 101 | 118 | 125 | 120 | 111 | 95.1 | 70.9 | 47.4 | 21.4 | 1.78 | 0.00 | 0.00 | | 964 | | |

Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:05-24-2023

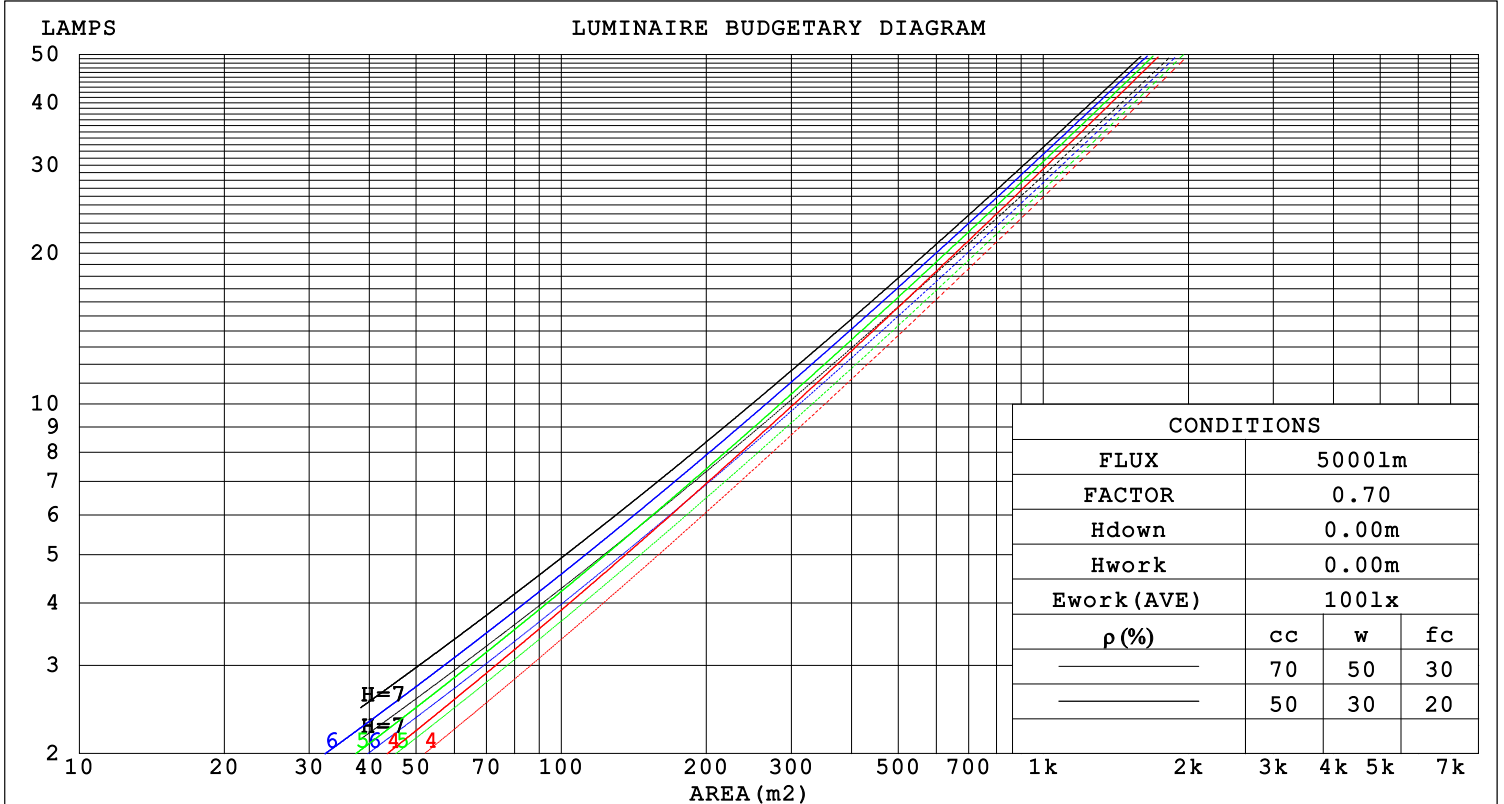
Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:9.500 m
 Remarks: 3000K

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

| | | |
|--|-----------------------|-------------|
| MANUFACTURER: DIVINITY LIGHTS | | |
| Address: PLOT NO-21 SAROORPUR NANGLA IND. AREA FARIBAAD HARYANA 121005 | | |
| NAME: P2 VERTICAL WALL GRAZER | TYPE: .5w 3K CRI 90 | WEIGHT: |
| SPECIFICATION: | DIMENSION: 1200*18*20 | SERIAL No.: |

| ρ_{cc} | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|-------------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|------|
| ρ_w | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| ρ_{fc} | 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 | 1.09 | 1.06 | 1.03 | 1.07 | 1.04 | 1.01 | 1.02 | 1.00 | .98 | .99 | .97 | .95 | .95 | .94 | .93 | .91 |
| 2.0 | .99 | .95 | .90 | .98 | .93 | .89 | .94 | .91 | .87 | .91 | .88 | .86 | .88 | .86 | .84 | .82 |
| 3.0 | .91 | .85 | .81 | .90 | .84 | .80 | .87 | .82 | .79 | .84 | .81 | .77 | .82 | .79 | .76 | .74 |
| 4.0 | .84 | .78 | .73 | .83 | .77 | .72 | .81 | .75 | .71 | .78 | .74 | .70 | .77 | .73 | .70 | .68 |
| 5.0 | .78 | .71 | .66 | .77 | .70 | .66 | .75 | .69 | .65 | .73 | .68 | .65 | .72 | .67 | .64 | .62 |
| 6.0 | .72 | .66 | .61 | .72 | .65 | .60 | .70 | .64 | .60 | .68 | .63 | .60 | .67 | .63 | .59 | .57 |
| 7.0 | .68 | .61 | .56 | .67 | .60 | .56 | .66 | .60 | .56 | .64 | .59 | .55 | .63 | .58 | .55 | .53 |
| 8.0 | .63 | .57 | .52 | .63 | .56 | .52 | .62 | .56 | .52 | .61 | .55 | .52 | .60 | .55 | .51 | .50 |
| 9.0 | .60 | .53 | .49 | .59 | .53 | .49 | .58 | .52 | .48 | .57 | .52 | .48 | .56 | .52 | .48 | .47 |
| 10.0 | .56 | .50 | .46 | .56 | .50 | .46 | .55 | .49 | .46 | .54 | .49 | .45 | .53 | .49 | .45 | .44 |



Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:05-24-2023

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-21 SAROORPUR NANGLA IND. AREA FARIBAAD HARYANA 121005 | | | | | | | | | | | | | | |
| NAME: P2 VERTICAL WALL GRAZER | | | | | | | | | TYPE: .5w 3K CRI 90 | | | WEIGHT: | | |
| SPECIFICATION: | | | | | | | | | DIMENSION: 1200*18*20 | | | SERIAL No.: | | |

| ρ_{cc} | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|-------------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|---|
| ρ_w | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| ρ_{fc} | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Wall Exitance Coefficients(WEC) | | | | | | | | | |
| 0.0 | | | | | | | | | | | | | | | | |
| 1.0 | .215 | .123 | .039 | .209 | .119 | .038 | .196 | .112 | .036 | .184 | .106 | .034 | .173 | .100 | .032 | |
| 2.0 | .206 | .113 | .035 | .200 | .110 | .034 | .189 | .105 | .033 | .179 | .100 | .031 | .170 | .096 | .030 | |
| 3.0 | .194 | .103 | .031 | .189 | .101 | .031 | .180 | .097 | .030 | .171 | .094 | .029 | .163 | .090 | .028 | |
| 4.0 | .183 | .095 | .028 | .178 | .093 | .028 | .170 | .090 | .027 | .163 | .087 | .026 | .156 | .085 | .026 | |
| 5.0 | .172 | .088 | .025 | .168 | .086 | .025 | .161 | .084 | .025 | .154 | .081 | .024 | .148 | .079 | .024 | |
| 6.0 | .162 | .081 | .023 | .159 | .080 | .023 | .153 | .078 | .023 | .147 | .076 | .022 | .141 | .074 | .022 | |
| 7.0 | .153 | .076 | .021 | .150 | .075 | .021 | .145 | .073 | .021 | .139 | .071 | .021 | .134 | .070 | .021 | |
| 8.0 | .145 | .071 | .020 | .143 | .070 | .020 | .137 | .069 | .020 | .133 | .067 | .019 | .128 | .066 | .019 | |
| 9.0 | .138 | .067 | .019 | .135 | .066 | .019 | .131 | .065 | .018 | .127 | .063 | .018 | .123 | .062 | .018 | |
| 10.0 | .131 | .063 | .017 | .129 | .062 | .017 | .125 | .061 | .017 | .121 | .060 | .017 | .117 | .059 | .017 | |

| ρ_{cc} | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|-------------|-----------------------|------|------|------|------|------|--|------|------|------|------|------|------|------|------|---|
| ρ_w | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| ρ_{fc} | 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 | .174 | .157 | .142 | .149 | .135 | .122 | .102 | .093 | .084 | .059 | .054 | .049 | .019 | .017 | .016 | |
| 2.0 | .161 | .132 | .108 | .138 | .114 | .094 | .094 | .079 | .065 | .054 | .046 | .038 | .017 | .015 | .012 | |
| 3.0 | .150 | .114 | .085 | .129 | .098 | .074 | .088 | .068 | .052 | .051 | .040 | .030 | .016 | .013 | .010 | |
| 4.0 | .141 | .100 | .068 | .121 | .086 | .059 | .083 | .060 | .042 | .048 | .035 | .025 | .015 | .011 | .008 | |
| 5.0 | .132 | .088 | .056 | .114 | .076 | .049 | .078 | .053 | .034 | .045 | .031 | .020 | .015 | .010 | .007 | |
| 6.0 | .125 | .079 | .047 | .107 | .069 | .041 | .074 | .048 | .029 | .043 | .028 | .017 | .014 | .009 | .006 | |
| 7.0 | .118 | .072 | .039 | .102 | .062 | .034 | .070 | .044 | .024 | .041 | .026 | .014 | .013 | .008 | .005 | |
| 8.0 | .112 | .066 | .034 | .097 | .057 | .030 | .067 | .040 | .021 | .039 | .024 | .012 | .013 | .008 | .004 | |
| 9.0 | .107 | .061 | .029 | .092 | .053 | .026 | .064 | .037 | .018 | .037 | .022 | .011 | .012 | .007 | .004 | |
| 10.0 | .102 | .056 | .026 | .088 | .049 | .023 | .061 | .034 | .016 | .035 | .020 | .010 | .012 | .007 | .003 | |

Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:05-24-2023

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-21 SAROORPUR NANGLA IND. AREA FARIBAAD HARYANA 121005 | | | | | | | | | | |
| NAME: P2 VERTICAL WALL GRAZER | | | | | TYPE: .5w 3K CRI 90 | | | WEIGHT: | | |
| SPECIFICATION: | | | | | DIMENSION: 1200*18*20 | | | 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 | 17.8 | 18.9 | 18.0 | 19.1 | 19.3 | 4.6 | 5.7 | 4.8 | 5.9 | 6.0 |
| | 3H | 18.3 | 19.4 | 18.6 | 19.6 | 19.8 | 4.9 | 5.9 | 5.1 | 6.1 | 6.3 |
| | 4H | 18.5 | 19.5 | 18.8 | 19.7 | 20.0 | 4.9 | 5.9 | 5.2 | 6.1 | 6.3 |
| | 6H | 18.7 | 19.6 | 19.0 | 19.9 | 20.1 | 5.0 | 5.9 | 5.3 | 6.2 | 6.4 |
| | 8H | 18.8 | 19.7 | 19.1 | 19.9 | 20.2 | 5.1 | 5.9 | 5.4 | 6.2 | 6.5 |
| | 12H | 18.9 | 19.7 | 19.2 | 20.0 | 20.3 | 5.1 | 6.0 | 5.4 | 6.2 | 6.5 |
| 4H | 2H | 17.6 | 18.5 | 17.8 | 18.8 | 19.0 | 6.4 | 7.3 | 6.6 | 7.6 | 7.8 |
| | 3H | 18.1 | 19.0 | 18.5 | 19.3 | 19.5 | 6.7 | 7.5 | 7.0 | 7.8 | 8.1 |
| | 4H | 18.4 | 19.1 | 18.7 | 19.4 | 19.8 | 6.7 | 7.5 | 7.1 | 7.8 | 8.1 |
| | 6H | 18.6 | 19.3 | 19.0 | 19.6 | 20.0 | 6.9 | 7.5 | 7.2 | 7.9 | 8.2 |
| | 8H | 18.7 | 19.3 | 19.1 | 19.7 | 20.1 | 6.9 | 7.6 | 7.3 | 7.9 | 8.3 |
| | 12H | 18.9 | 19.4 | 19.3 | 19.8 | 20.2 | 7.0 | 7.6 | 7.4 | 8.0 | 8.4 |
| 8H | 4H | 18.2 | 18.9 | 18.6 | 19.2 | 19.6 | 7.0 | 7.7 | 7.4 | 8.0 | 8.4 |
| | 6H | 18.5 | 19.0 | 18.9 | 19.4 | 19.8 | 7.3 | 7.8 | 7.7 | 8.2 | 8.6 |
| | 8H | 18.6 | 19.1 | 19.1 | 19.5 | 19.9 | 7.5 | 7.9 | 7.9 | 8.4 | 8.8 |
| | 12H | 18.8 | 19.2 | 19.3 | 19.6 | 20.1 | 7.6 | 8.0 | 8.1 | 8.5 | 9.0 |
| 12H | 4H | 18.2 | 18.8 | 18.6 | 19.1 | 19.5 | 7.1 | 7.6 | 7.5 | 8.0 | 8.4 |
| | 6H | 18.4 | 18.9 | 18.9 | 19.3 | 19.7 | 7.4 | 7.8 | 7.8 | 8.2 | 8.7 |
| | 8H | 18.6 | 19.0 | 19.0 | 19.4 | 19.9 | 7.6 | 8.0 | 8.1 | 8.4 | 8.9 |

| Variations with the observer position at spacings: | | |
|--|---------------|---------------|
| S = 1.0H | + 2.3 / - 1.4 | + 1.0 / - 1.4 |
| 1.5H | + 3.3 / - 3.6 | + 1.4 / - 1.4 |
| 2.0H | + 4.9 / - 4.6 | + 1.9 / - 1.5 |

CIE Pub.117 Corrected 1138 lm Total Lamp Luminous Flux. (8log(F/F0) = 0.4)

Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:05-24-2023

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-21 SAROORPUR NANGLA IND. AREA FARIBAAD HARYANA 121005 | | |
| NAME: P2 VERTICAL WALL GRAZER | TYPE: .5w 3K CRI 90 | WEIGHT: |
| SPECIFICATION: | DIMENSION: 1200*18*20 | 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 | 75 | 66 | 61 | 74 | 66 | 61 | 73 | 66 | 61 | 56 |
| 0.80 | 84 | 76 | 70 | 83 | 75 | 70 | 82 | 75 | 70 | 65 |
| 1.00 | 90 | 83 | 78 | 89 | 82 | 77 | 87 | 83 | 77 | 72 |
| 1.25 | 96 | 89 | 84 | 95 | 88 | 83 | 92 | 87 | 83 | 77 |
| 1.50 | 99 | 93 | 88 | 98 | 92 | 88 | 95 | 90 | 86 | 81 |
| 2.00 | 104 | 98 | 94 | 102 | 97 | 93 | 99 | 95 | 91 | 85 |
| 2.50 | 106 | 101 | 97 | 104 | 100 | 96 | 101 | 97 | 94 | 87 |
| 3.00 | 108 | 104 | 100 | 106 | 102 | 99 | 103 | 100 | 97 | 90 |
| 4.00 | 111 | 107 | 104 | 109 | 106 | 103 | 105 | 102 | 100 | 92 |
| 5.00 | 113 | 109 | 107 | 110 | 108 | 105 | 106 | 104 | 102 | 94 |
| ROOM INDEX | UF(total) | | | | | | | | | Direct |
| According to DIN EN 13032-2 2004 | | | Suspended | | | | SHRNOM = 1.25 | | | |

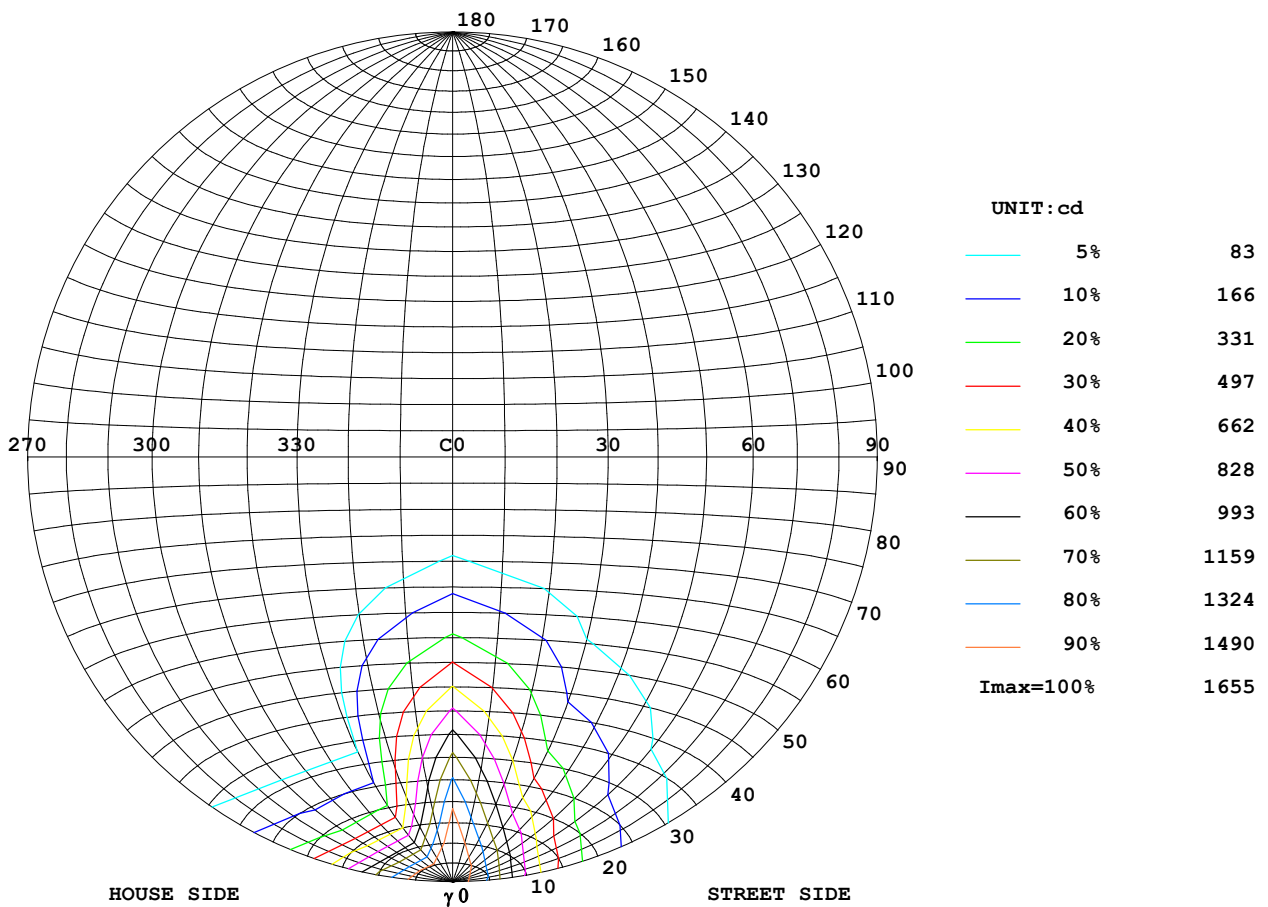
Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:05-24-2023

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-21 SAROORPUR NANGLA IND. AREA FARIBAAD HARYANA 121005 | | |
| NAME: P2 VERTICAL WALL GRAZER | TYPE: .5w 3K CRI 90 | WEIGHT: |
| SPECIFICATION: | DIMENSION: 1200*18*20 | SERIAL No.: |



Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:05-24-2023

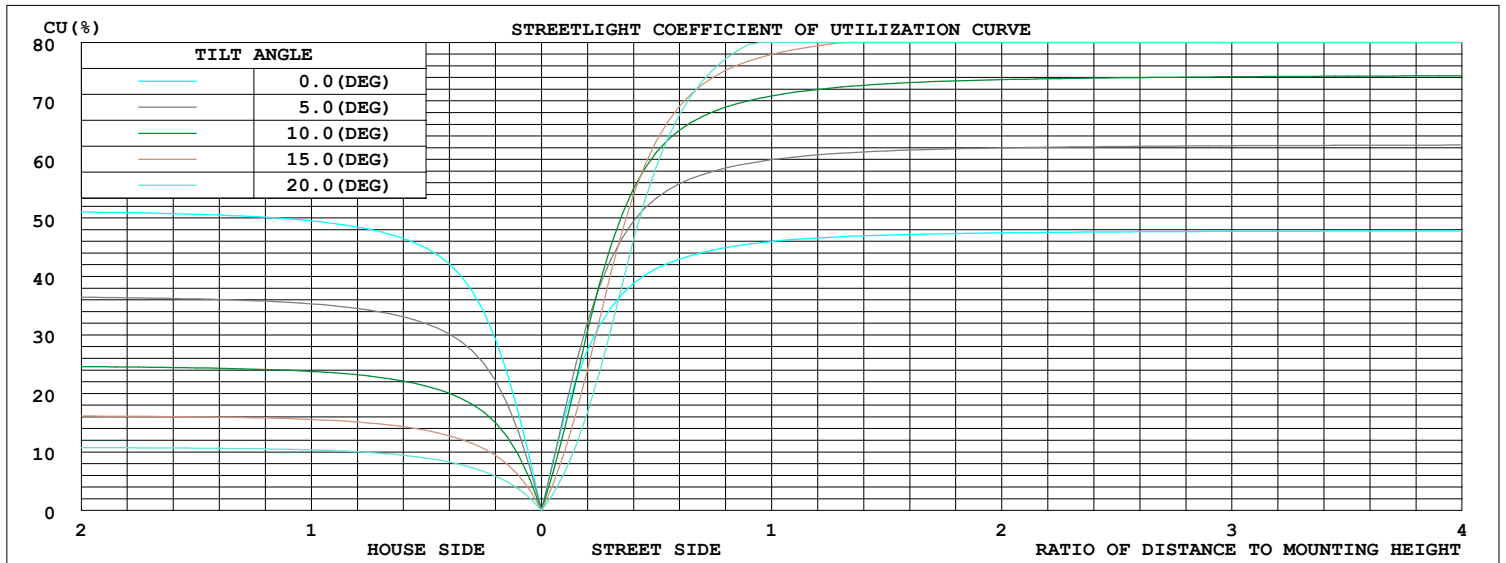
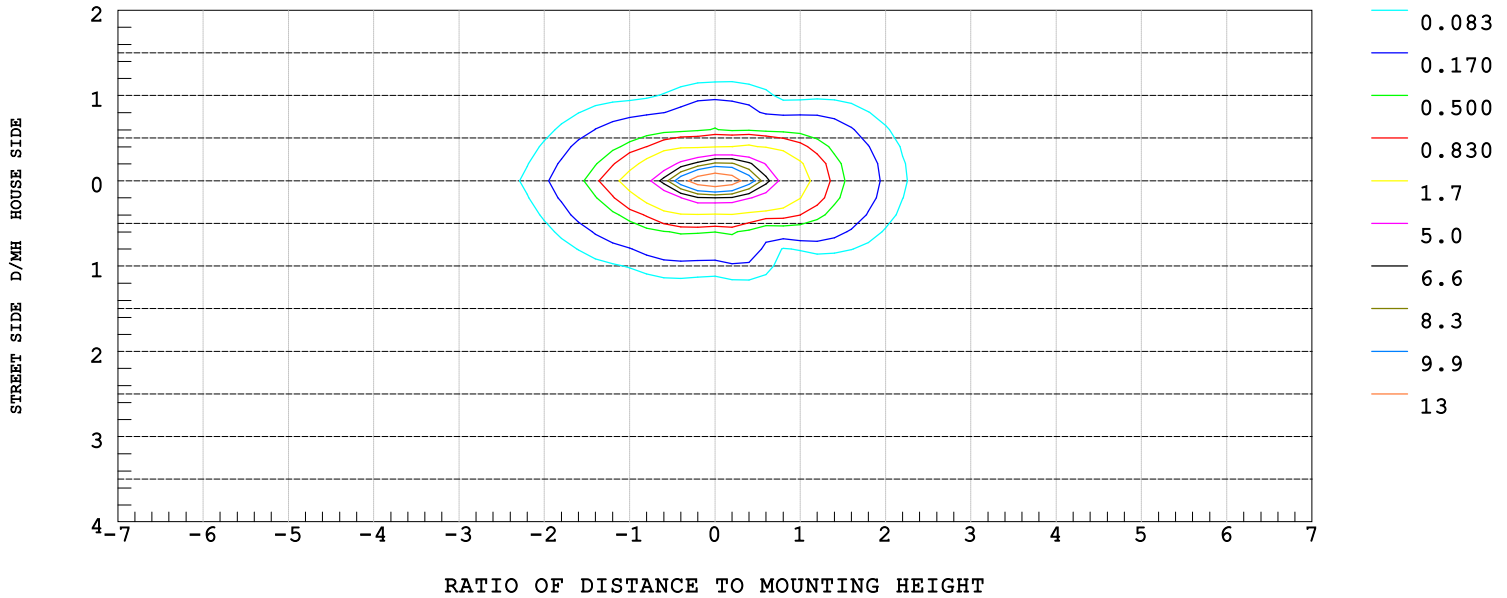
Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:9.500 m
 Remarks: 3000K

ISOLUX DIAGRAM

Report number:

| | | |
|--|-----------------------|-------------|
| MANUFACTURER: DIVINITY LIGHTS | | |
| Address: PLOT NO-21 SAROORPUR NANGLA IND. AREA FARIBAAD HARYANA 121005 | | |
| NAME: P2 VERTICAL WALL GRAZER | TYPE: .5w 3K CRI 90 | WEIGHT: |
| SPECIFICATION: | DIMENSION: 1200*18*20 | SERIAL No.: |

ILLUMINANCE AT MH=10 m, Enadir = 16.54 lx



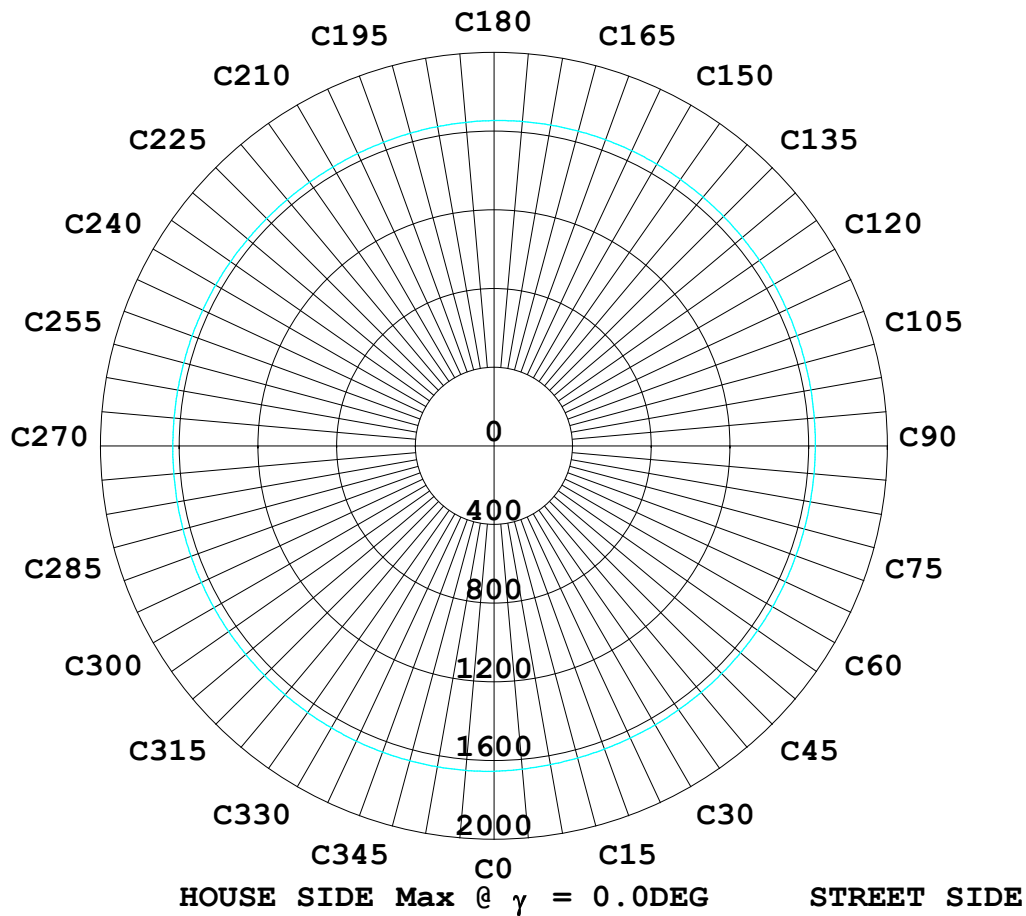
Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:05-24-2023

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-21 SAROORPUR NANGLA IND. AREA FARIBAAD HARYANA 121005 | | |
| NAME: P2 VERTICAL WALL GRAZER | TYPE: .5w 3K CRI 90 | WEIGHT: |
| SPECIFICATION: | DIMENSION: 1200*18*20 | SERIAL No.: |



Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:05-24-2023

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-21 SAROORPUR NANGLA IND. AREA FARIBAAD HARYANA 121005 | | |
| NAME: P2 VERTICAL WALL GRAZER | TYPE: .5w 3K CRI 90 | WEIGHT: |
| SPECIFICATION: | DIMENSION: 1200*18*20 | SERIAL No.: |

UNIT: cd

| γ (DEG) | C (DEG) | | | | | | | | | | | |
|---------|---------|------|------|------|------|------|------|------|------|------|------|------|
| | 0 | 30 | 60 | 90 | 120 | 150 | 180 | 210 | 240 | 270 | 300 | 330 |
| 0.0 | 1654 | 1638 | 1635 | 1633 | 1644 | 1655 | 1654 | 1638 | 1635 | 1633 | 1644 | 1655 |
| 5.0 | 1645 | 1498 | 1367 | 1298 | 1397 | 1547 | 1638 | 1646 | 1561 | 1510 | 1512 | 1605 |
| 10.0 | 1611 | 1267 | 946 | 807 | 960 | 1311 | 1600 | 1513 | 1193 | 1029 | 1094 | 1405 |
| 15.0 | 1549 | 1002 | 593 | 451 | 589 | 1027 | 1533 | 1286 | 759 | 587 | 661 | 1130 |
| 20.0 | 1460 | 759 | 367 | 240 | 357 | 764 | 1441 | 1016 | 431 | 254 | 347 | 846 |
| 25.0 | 1339 | 555 | 214 | 130 | 203 | 544 | 1322 | 766 | 224 | 148 | 179 | 610 |
| 30.0 | 1192 | 402 | 133 | 84.7 | 126 | 385 | 1174 | 552 | 122 | 89.5 | 100 | 419 |
| 35.0 | 1028 | 282 | 95.3 | 64.7 | 89.9 | 262 | 1010 | 386 | 78.0 | 64.9 | 67.8 | 272 |
| 40.0 | 847 | 201 | 74.9 | 50.0 | 70.5 | 183 | 837 | 263 | 58.2 | 52.2 | 52.6 | 187 |
| 45.0 | 666 | 147 | 59.5 | 35.3 | 55.4 | 131 | 660 | 183 | 46.5 | 39.7 | 42.1 | 132 |
| 50.0 | 498 | 112 | 44.4 | 21.0 | 39.4 | 98.2 | 491 | 133 | 35.0 | 26.2 | 29.7 | 99.1 |
| 55.0 | 349 | 86.1 | 26.8 | 16.1 | 23.8 | 75.1 | 336 | 99.4 | 21.8 | 20.0 | 18.0 | 77.9 |
| 60.0 | 225 | 65.8 | 19.5 | 13.7 | 18.0 | 56.6 | 220 | 75.5 | 14.8 | 16.6 | 13.6 | 61.6 |
| 65.0 | 144 | 46.8 | 15.4 | 11.3 | 14.5 | 37.4 | 137 | 56.2 | 11.1 | 13.8 | 10.6 | 43.9 |
| 70.0 | 90.0 | 24.9 | 11.3 | 6.40 | 10.6 | 18.7 | 84.1 | 36.5 | 7.85 | 9.74 | 7.58 | 27.9 |
| 75.0 | 56.1 | 12.5 | 7.03 | 3.61 | 6.58 | 9.20 | 50.4 | 20.5 | 3.88 | 5.95 | 3.61 | 16.8 |
| 80.0 | 34.9 | 4.06 | 5.32 | 2.97 | 4.87 | 2.88 | 30.0 | 9.47 | 2.70 | 4.42 | 2.34 | 7.67 |
| 85.0 | 19.5 | 3.15 | 4.15 | 2.07 | 3.97 | 2.07 | 16.5 | 6.13 | 2.16 | 3.51 | 1.62 | 5.68 |
| 90.0 | 7.40 | 2.79 | 2.61 | 1.08 | 2.34 | 1.53 | 7.49 | 4.69 | 1.62 | 2.25 | 0.99 | 4.06 |

Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:05-24-2023

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