



Report No.:

Test Time: 2019-11-6 15:56

Luminaire Property

Luminaire Manufacturer: ASD Lighting Corp
Voltage: 119.8 V
Power: 25.74 W

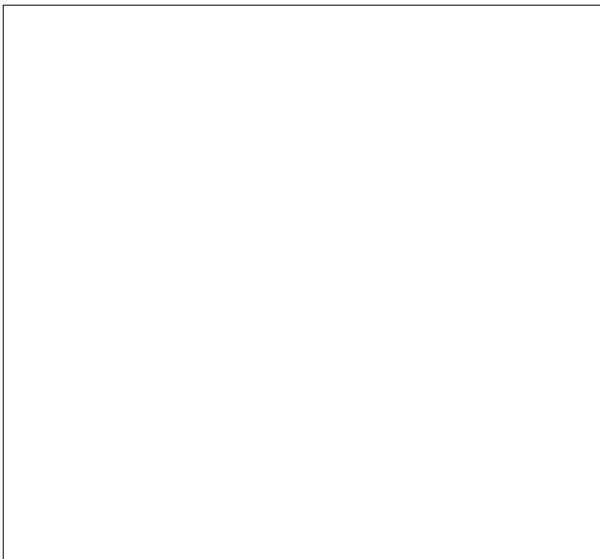
Current: 0.2160 A
Power Factor: 0.993

Photometric Results

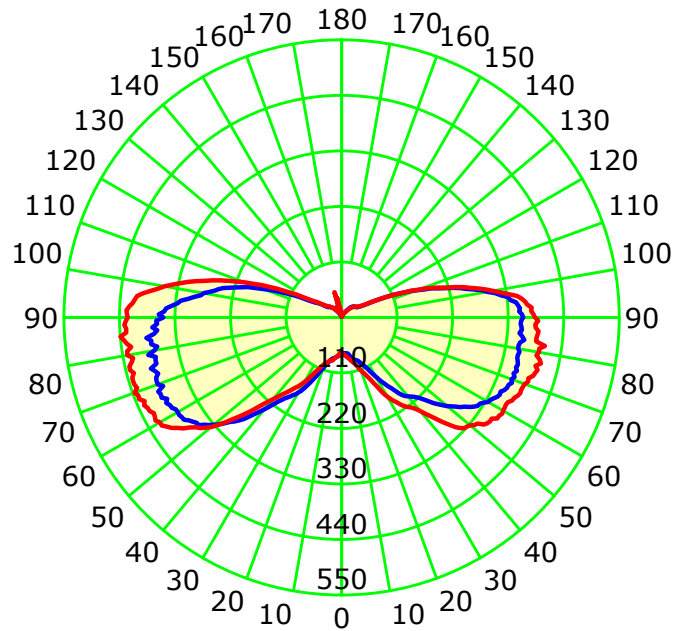
IES Classification: Type I
Total Rated Lamp Lumens: 2817.6 lm
Efficiency: 100%
Upward Ratio: 31%
Central Intensity: 70.69 cd
Pos of Max. Intensity: H270 V85

Longitudinal Classification: Very Short
Measurement Flux: 2817.6 lm
Downward Ratio: 69%
Luminaire Efficacy Rating (LER): 109.46
Max. Intensity: 440.26 cd

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

Average Diffuse Angle(50%): 214.9°

— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 28.4 °C

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-3000

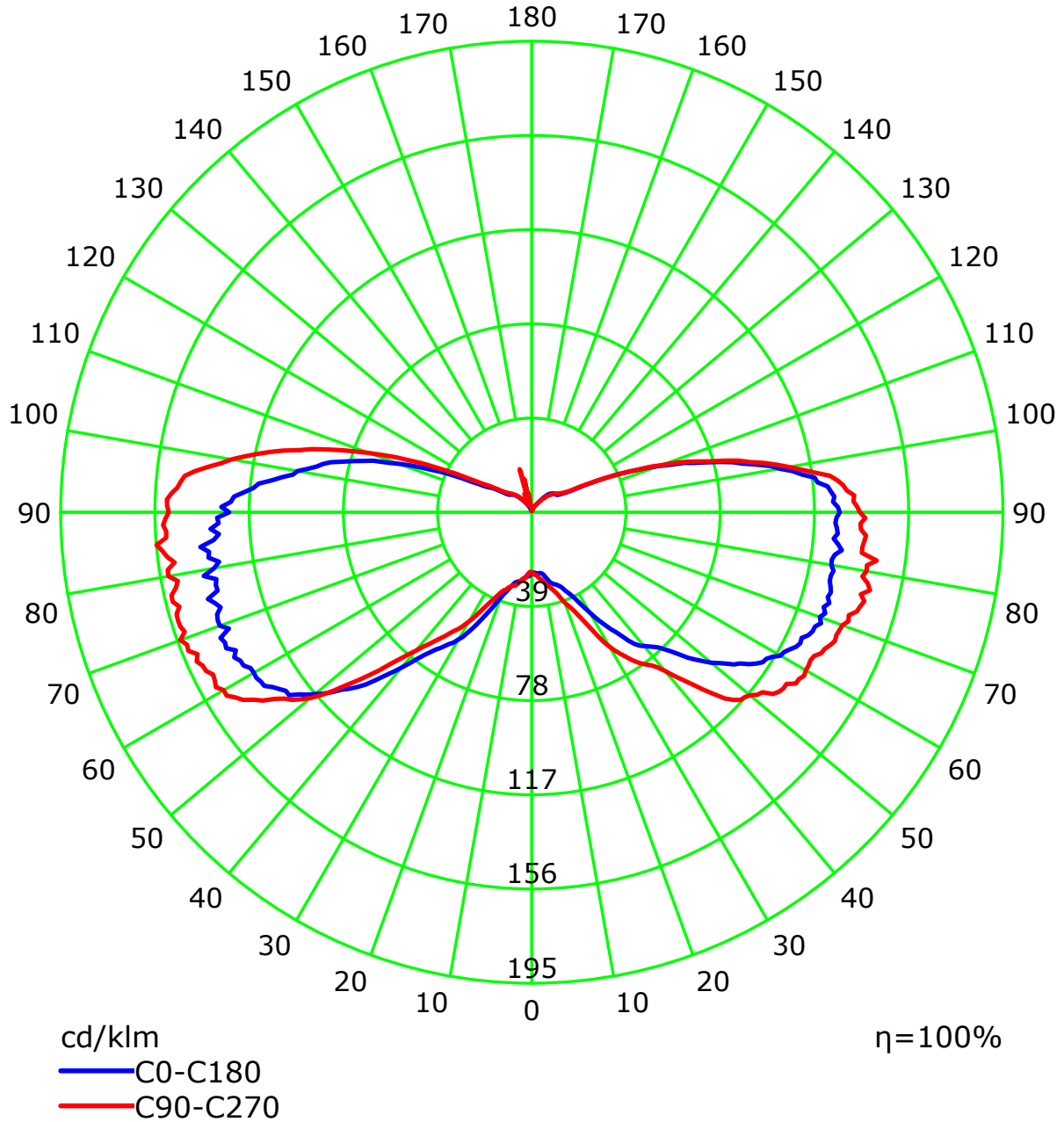
Distance: 14.040 m [K=1.0000]

Humidity:

Inspector:



Luminous Intensity Distribution Curve(cd/klm)

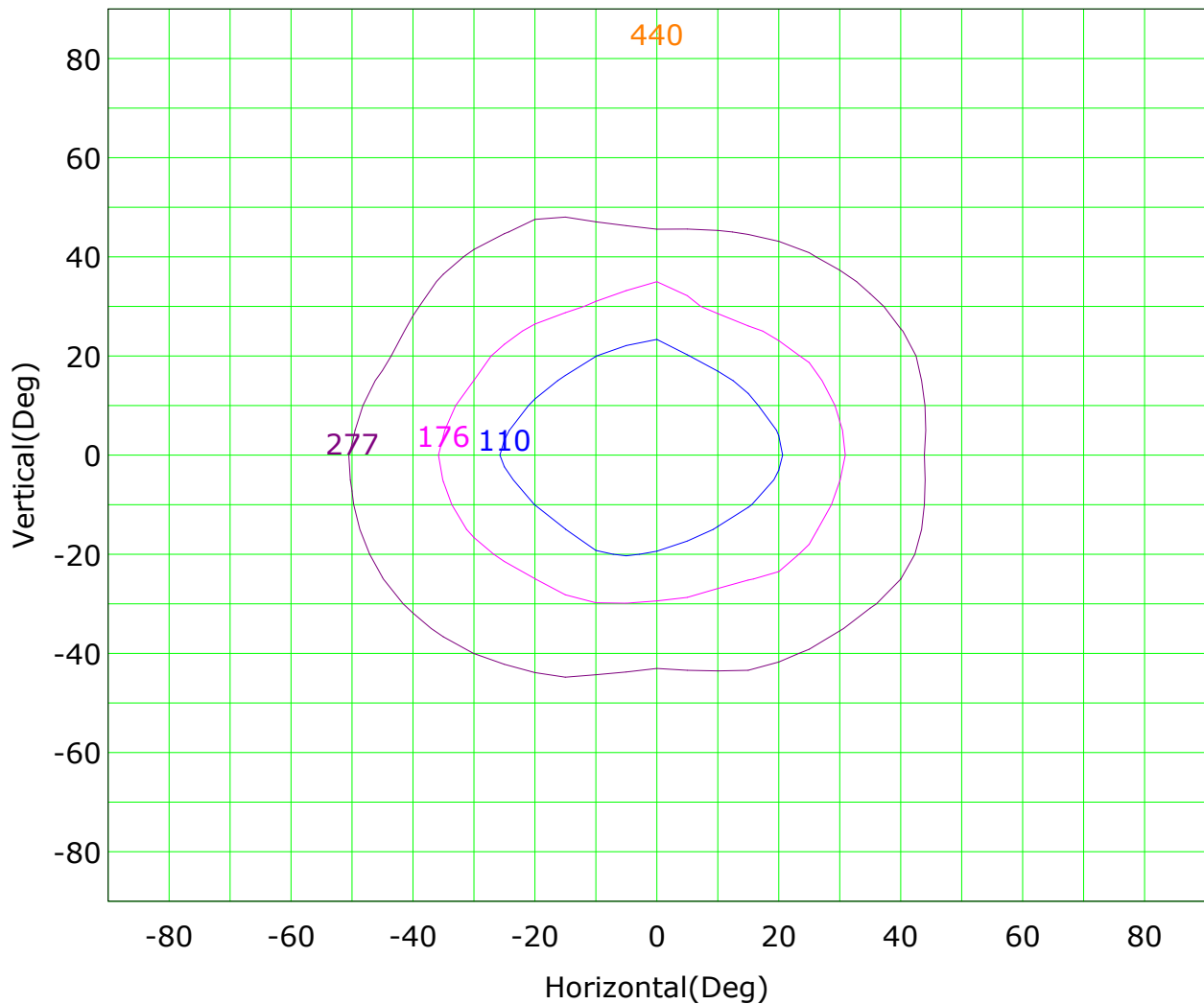


C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 28.4 °C
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-3000
Distance: 14.040 m [K=1.0000]
Humidity:
Inspector:



Isocandela (rectangle)



Imax (100%): 440 cd

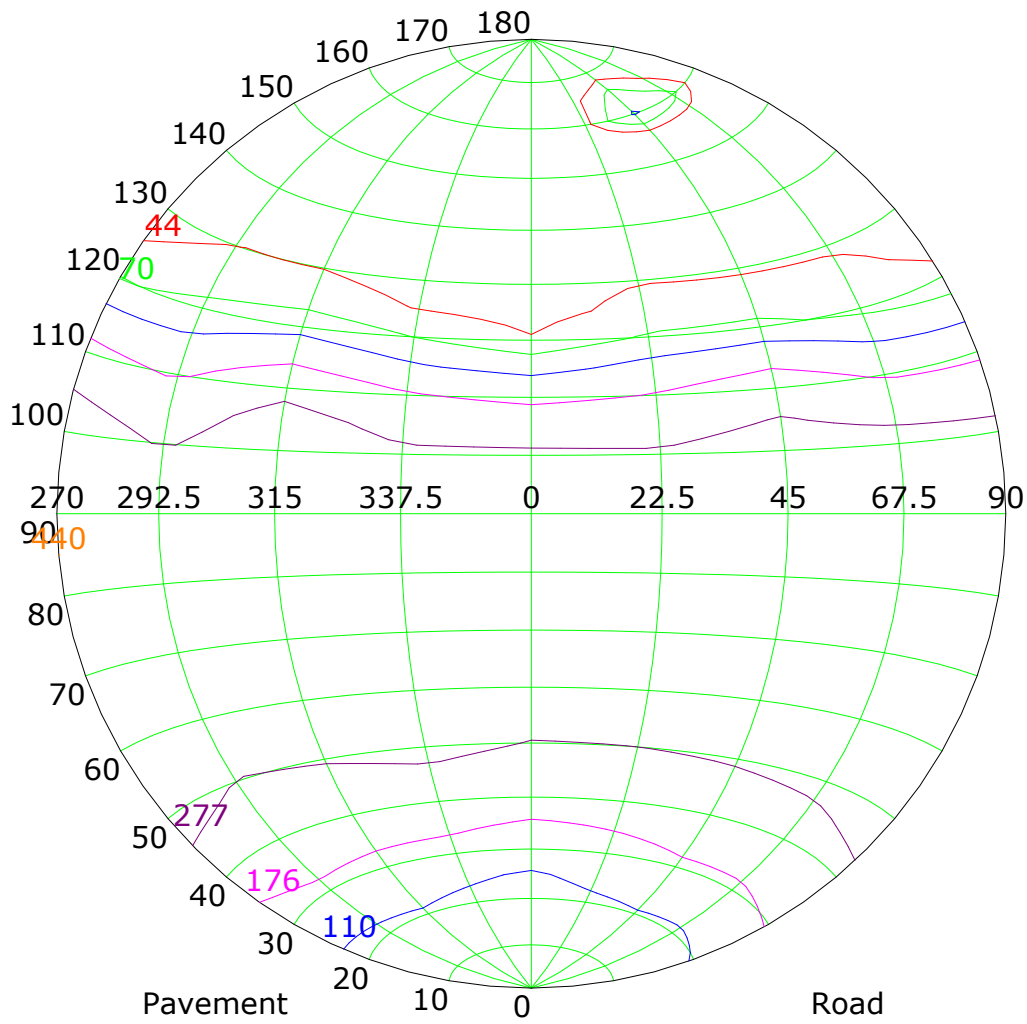
| | | | |
|---------|--------|---------|--------|
| (10%): | 44 cd | (16%): | 70 cd |
| (25%): | 110 cd | (40%): | 176 cd |
| (63%): | 277 cd | (100%): | 440 cd |

C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 28.4 °C
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-3000
Distance: 14.040 m [K=1.0000]
Humidity:
Inspector:



Isocandela (sphere)



Imax (100%): 440 cd

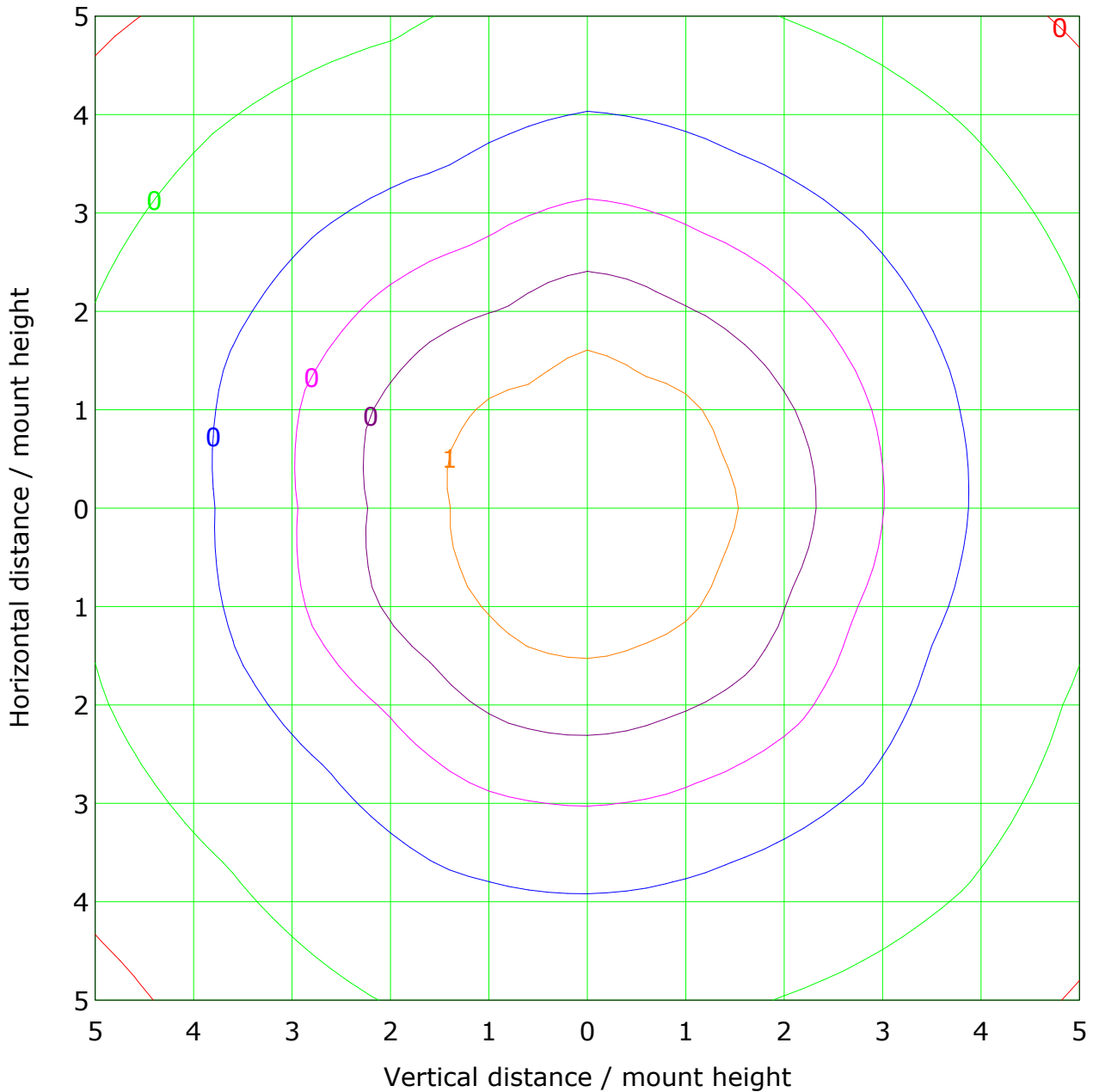
| | | | |
|-----------|--------|-----------|--------|
| — (10%): | 44 cd | — (16%): | 70 cd |
| — (25%): | 110 cd | — (40%): | 176 cd |
| — (63%): | 277 cd | — (100%): | 440 cd |

C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 28.4 °C
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-3000
Distance: 14.040 m [K=1.0000]
Humidity:
Inspector:



IsoLux Plot



| | | | |
|------------------------|--------|-----------------------|--------|
| Mounting Height: 10.0m | | Max Lux(100%): 1.2 lx | |
| — (1%): | 0.0 lx | — (2%): | 0.0 lx |
| — (5%): | 0.1 lx | — (10%): | 0.1 lx |
| — (20%): | 0.2 lx | — (50%): | 0.6 lx |
| — (100%): | 1.2 lx | | |

C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 28.4 °C
Operator:

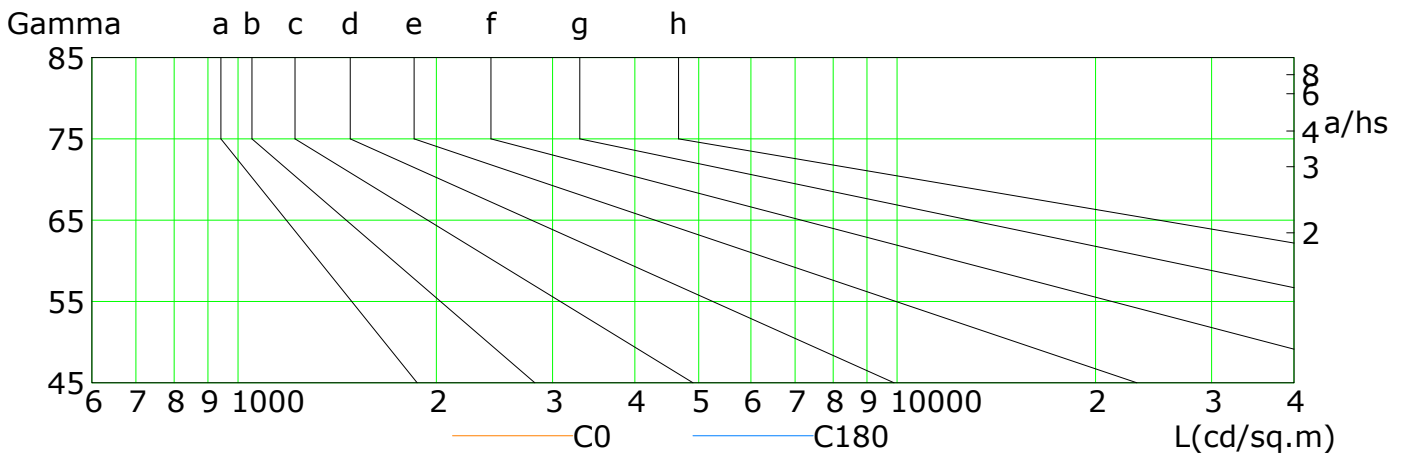
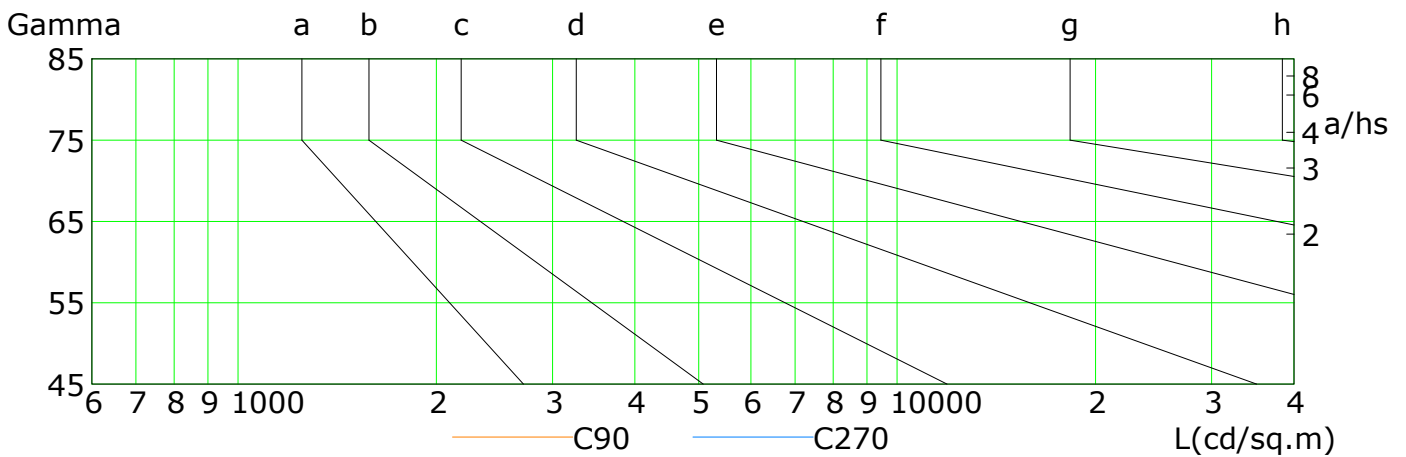
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-3000
Distance: 14.040 m [K=1.0000]
Humidity:
Inspector:



Lum Limit Curve

| Dazzle | Quality | Illuminance (lx) | | | | | | | | |
|--------|---------|------------------|------|-----|-------|--|--|--|--|--|
| | | 2000 | 1000 | 500 | <=300 | | | | | |
| 1.15 | A | | | | | | | | | |
| 1.50 | B | | | | | | | | | |
| 1.85 | C | | | | | | | | | |
| 2.20 | D | | | | | | | | | |
| 2.55 | E | | | | | | | | | |

a b c d e f g h



| L(cd/sq.m) | G45 | G50 | G55 | G60 | G65 | G70 | G75 | G80 | G85 |
|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| C0 | 230 | 274 | 310 | 335 | 348 | 358 | 362 | 355 | 354 |
| C90 | 300 | 333 | 359 | 370 | 378 | 386 | 402 | 397 | 390 |
| C180 | 289 | 331 | 360 | 375 | 382 | 388 | 392 | 377 | 373 |
| C270 | 270 | 338 | 384 | 416 | 424 | 437 | 426 | 431 | 440 |

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 28.4 °C

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-3000

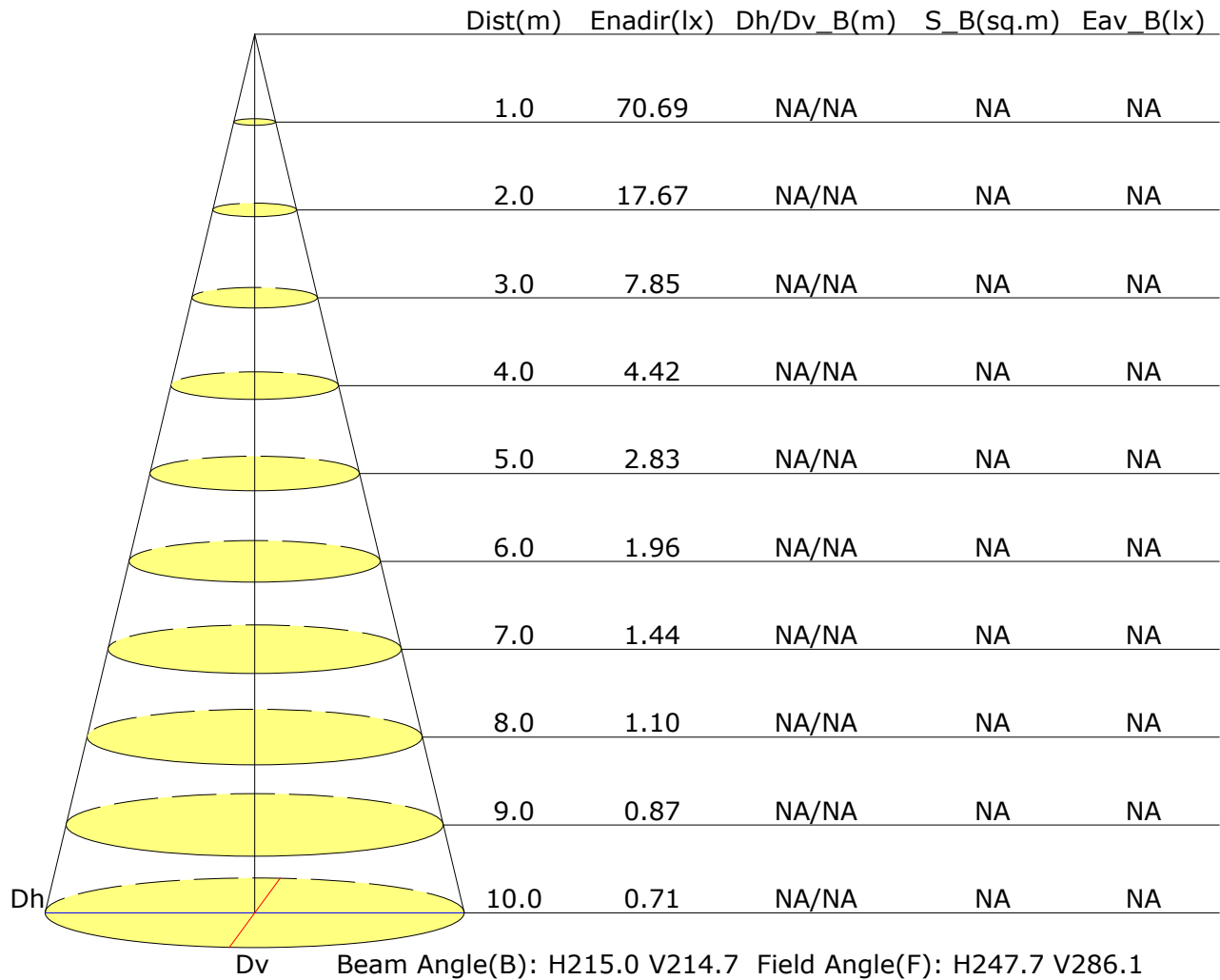
Distance: 14.040 m [K=1.0000]

Humidity:

Inspector:



Illuminance at a Distance

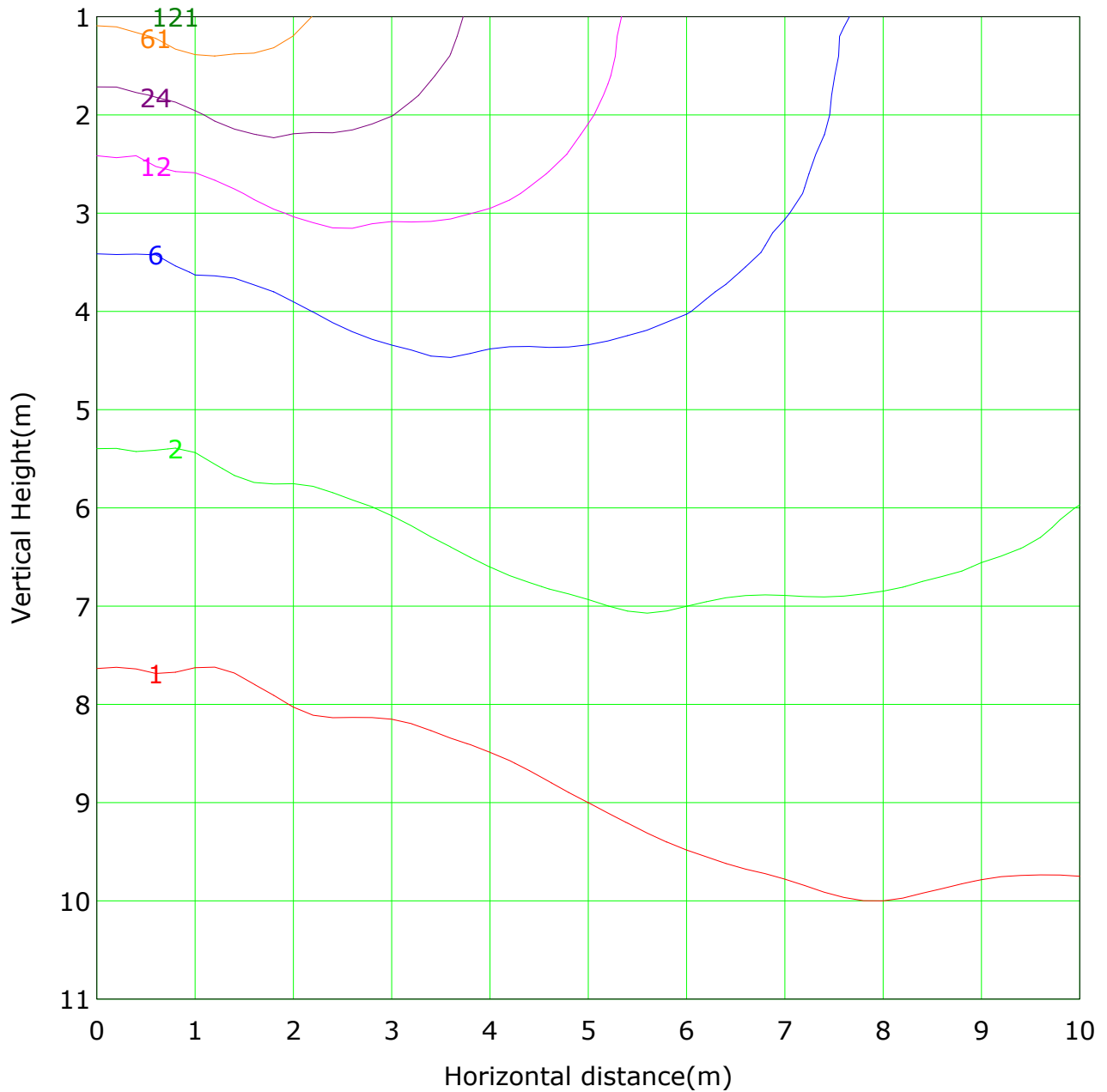


C Plane (°):0.0-360.0: 22.5
 Test Lab:
 Test Type: TYPE C
 Temperature: 28.4 °C
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-3000
 Distance: 14.040 m [K=1.0000]
 Humidity:
 Inspector:



Vertical IsoLux Plot



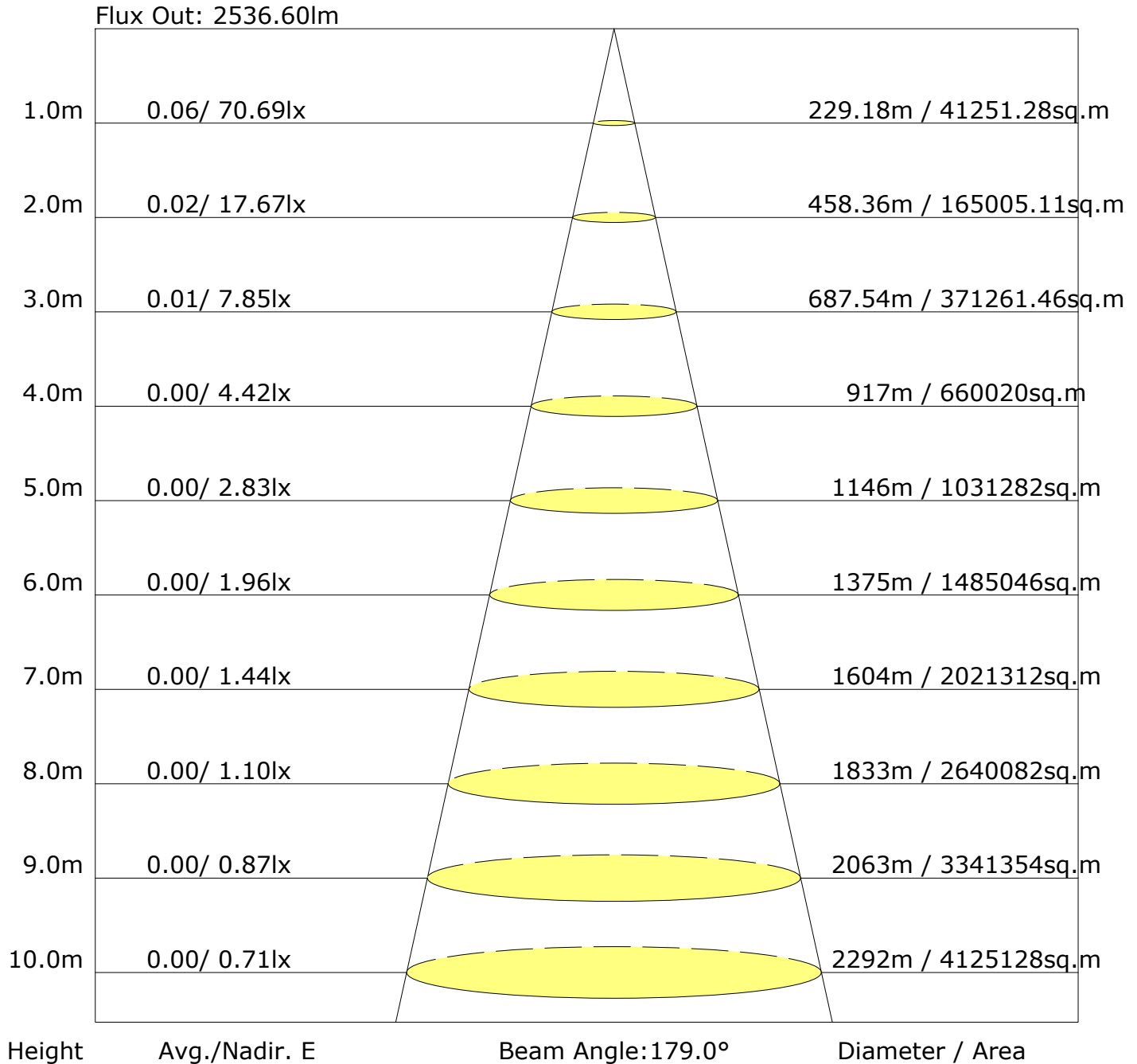
Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 121.3 lx
— (1%): 1.2 lx — (2%): 2.4 lx
— (5%): 6.1 lx — (10%): 12.1 lx
— (20%): 24.3 lx — (50%): 60.6 lx
— (100%): 121.3 lx

C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 28.4 °C
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-3000
Distance: 14.040 m [K=1.0000]
Humidity:
Inspector:



The Average Illuminance Effective Figure



C Plane (°):0.0-360.0: 22.5
 Test Lab:
 Test Type: TYPE C
 Temperature: 28.4 °C
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-3000
 Distance: 14.040 m [K=1.0000]
 Humidity:
 Inspector:



UGR Table

| | | | | | | | | | | |
|--|------------------|-------|-------|-------|-------|----------------|-------|-------|-------|-------|
| Reflectance: | | | | | | | | | | |
| Ceiling (cavity) | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 |
| Wall | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 |
| Reference 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 | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| 3H | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| 4H | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| 6H | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| 8H | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| 12H | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| X=4H Y=2H | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| 3H | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| 4H | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| 6H | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| 8H | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| 12H | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| X=8H Y=4H | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| 6H | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| 8H | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| 12H | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| X=12H Y=4H | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| 6H | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| 8H | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| Variations with the observer position at spacings: | | | | | | | | | | |
| S=1.0H | -1.\$/-1.\$ | | | | | -1.\$/-1.\$ | | | | |
| S=1.5H | -1.\$/-1.\$ | | | | | -1.\$/-1.\$ | | | | |
| S=2.0H | -1.\$/-1.\$ | | | | | -1.\$/-1.\$ | | | | |

Calculate in accordance with CIE Pub.117. The table is revised with 2818lm ($8\log(F/F_0) = 3.6$).

C Plane (°):0.0-360.0: 22.5
 Test Lab:
 Test Type: TYPE C
 Temperature: 28.4 °C
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-3000
 Distance: 14.040 m [K=1.0000]
 Humidity:
 Inspector:



FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM

| | ZONE | LUMENS | % LAMP LUMENS |
|--|----------------|--------|---------------|
| | FORWARD LIGHT | 962 | 34.1 |
| | FL (0°-30°) | 49 | 1.8 |
| | FM (30°-60°) | 318 | 11.3 |
| | FH (60°-80°) | 387 | 13.8 |
| | FVH (80°-90°) | 208 | 7.4 |
| | BACK LIGHT | 974 | 34.6 |
| | BL (0°-30°) | 47 | 1.7 |
| | BM (30°-60°) | 314 | 11.1 |
| | BH (60°-80°) | 400 | 14.2 |
| | BVH (80°-90°) | 213 | 7.5 |
| | UP LIGHT | 882 | 31.3 |
| | UL (90°-100°) | 386 | 13.7 |
| | UH (100°-180°) | 496 | 17.6 |
| | TRAPPED LIGHT | NA | NA |

| BUG(Backlight,Uplight,Glare) Rating Base On TM-15-11 | |
|--|----------|
| Asymmetrical Luminaire Types (Type I,II,III,IV) | B1 U3 G2 |
| Quadrilateral Symmetrical Luminaire Types (Type V,Area Light) | B1 U3 G2 |

C Plane (°):0.0-360.0: 22.5
 Test Lab:
 Test Type: TYPE C
 Temperature: 28.4 °C
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-3000
 Distance: 14.040 m [K=1.0000]
 Humidity:
 Inspector:



Candlepower Table

Unit: cd

| G\C | C0.0 | C22.5 | C45.0 | C67.5 | C90.0 | C112.5 | C135.0 | C157.5 | C180.0 | C202.5 |
|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| G0.0 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 |
| G1.0 | 70.4 | 70.5 | 71.0 | 71.9 | 71.9 | 72.0 | 72.3 | 73.1 | 72.7 | 71.1 |
| G2.0 | 70.7 | 71.9 | 72.8 | 72.8 | 72.1 | 72.0 | 72.5 | 74.4 | 74.3 | 71.4 |
| G3.0 | 71.0 | 73.5 | 74.2 | 73.8 | 73.4 | 74.1 | 73.5 | 75.9 | 75.1 | 72.1 |
| G4.0 | 71.6 | 73.8 | 75.2 | 75.5 | 73.5 | 75.2 | 75.4 | 75.9 | 74.7 | 73.8 |
| G5.0 | 72.5 | 73.4 | 75.4 | 76.9 | 75.0 | 77.5 | 78.0 | 77.3 | 74.9 | 76.0 |
| G6.0 | 72.1 | 73.5 | 74.6 | 77.3 | 77.2 | 79.9 | 81.2 | 79.1 | 76.7 | 77.5 |
| G7.0 | 71.6 | 75.1 | 74.6 | 78.7 | 78.0 | 83.1 | 82.7 | 80.4 | 78.7 | 78.5 |
| G8.0 | 72.0 | 77.6 | 76.5 | 80.5 | 79.4 | 85.3 | 83.9 | 81.5 | 79.7 | 79.5 |
| G9.0 | 72.2 | 80.5 | 78.0 | 81.8 | 81.1 | 87.3 | 85.7 | 83.0 | 80.9 | 80.4 |
| G10.0 | 73.3 | 83.7 | 79.8 | 82.3 | 83.1 | 88.7 | 87.5 | 84.5 | 81.8 | 80.6 |
| G11.0 | 75.2 | 87.0 | 82.4 | 82.7 | 84.8 | 91.8 | 90.2 | 86.2 | 82.5 | 80.6 |
| G12.0 | 77.9 | 89.8 | 85.3 | 83.3 | 86.7 | 93.5 | 93.3 | 88.1 | 83.0 | 82.2 |
| G13.0 | 80.1 | 91.7 | 87.9 | 84.2 | 89.3 | 94.6 | 96.0 | 90.6 | 84.1 | 84.5 |
| G14.0 | 83.1 | 92.6 | 90.9 | 85.5 | 91.1 | 96.4 | 98.4 | 93.0 | 85.8 | 89.0 |
| G15.0 | 85.4 | 93.5 | 93.4 | 87.3 | 93.5 | 99.7 | 100.7 | 95.7 | 88.1 | 92.2 |
| G16.0 | 86.6 | 94.8 | 94.0 | 89.3 | 95.9 | 103.4 | 104.1 | 98.9 | 91.3 | 98.5 |
| G17.0 | 88.0 | 96.2 | 95.8 | 92.5 | 98.6 | 107.3 | 108.0 | 102.1 | 94.6 | 100.4 |
| G18.0 | 88.5 | 97.6 | 98.5 | 96.1 | 102.9 | 111.4 | 112.0 | 105.1 | 98.1 | 103.2 |
| G19.0 | 89.7 | 98.8 | 102.1 | 100.0 | 107.7 | 115.7 | 116.8 | 108.4 | 101.4 | 105.8 |
| G20.0 | 91.1 | 100.8 | 106.2 | 102.9 | 112.3 | 119.7 | 121.0 | 112.0 | 106.1 | 109.7 |
| G21.0 | 93.1 | 104.2 | 110.2 | 106.2 | 116.0 | 124.7 | 125.8 | 117.0 | 111.2 | 114.6 |
| G22.0 | 95.6 | 107.9 | 114.1 | 110.3 | 119.8 | 131.0 | 130.9 | 122.1 | 117.0 | 121.1 |
| G23.0 | 99.1 | 111.8 | 119.1 | 114.9 | 124.5 | 138.4 | 136.9 | 127.8 | 123.6 | 129.1 |
| G24.0 | 102.2 | 115.7 | 124.2 | 121.0 | 130.3 | 146.2 | 142.8 | 134.4 | 130.0 | 136.5 |
| G25.0 | 105.8 | 120.5 | 130.8 | 127.9 | 136.8 | 153.7 | 149.4 | 141.1 | 137.1 | 141.8 |
| G26.0 | 110.0 | 125.7 | 138.4 | 134.6 | 144.7 | 160.5 | 156.4 | 147.9 | 144.4 | 147.1 |
| G27.0 | 115.2 | 131.7 | 144.9 | 142.7 | 153.1 | 167.8 | 162.4 | 155.5 | 151.8 | 152.7 |
| G28.0 | 121.6 | 138.3 | 152.3 | 150.0 | 163.5 | 174.1 | 166.8 | 162.3 | 159.2 | 158.3 |
| G29.0 | 128.2 | 145.5 | 160.2 | 158.6 | 173.2 | 179.9 | 170.4 | 168.7 | 166.6 | 164.5 |
| G30.0 | 135.2 | 153.2 | 167.5 | 165.2 | 181.2 | 185.6 | 174.2 | 175.7 | 171.6 | 169.9 |
| G31.0 | 143.0 | 159.2 | 173.1 | 172.0 | 188.7 | 190.0 | 175.7 | 183.4 | 177.8 | 178.4 |
| G32.0 | 150.5 | 164.8 | 178.6 | 178.8 | 194.9 | 194.0 | 178.3 | 189.0 | 181.3 | 183.7 |
| G33.0 | 157.3 | 169.3 | 184.1 | 185.3 | 200.8 | 197.1 | 180.9 | 195.2 | 186.2 | 188.7 |
| G34.0 | 164.6 | 174.4 | 186.8 | 190.6 | 208.0 | 200.6 | 184.0 | 200.7 | 191.2 | 195.1 |
| G35.0 | 170.7 | 179.4 | 190.4 | 196.0 | 213.8 | 204.0 | 188.6 | 206.2 | 195.9 | 203.2 |
| G36.0 | 178.6 | 183.6 | 193.7 | 201.7 | 218.8 | 208.7 | 193.6 | 212.2 | 202.0 | 209.0 |

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 28.4 °C

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-3000

Distance: 14.040 m [K=1.0000]

Humidity:

Inspector:



Candlepower Table (Continue 1)

Unit: cd

| G\C | C0.0 | C22.5 | C45.0 | C67.5 | C90.0 | C112.5 | C135.0 | C157.5 | C180.0 | C202.5 |
|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| G37.0 | 188.1 | 187.4 | 198.0 | 206.7 | 222.8 | 214.2 | 197.7 | 218.1 | 208.9 | 211.9 |
| G38.0 | 195.4 | 191.9 | 201.8 | 210.8 | 227.2 | 219.7 | 204.0 | 224.6 | 217.2 | 215.3 |
| G39.0 | 200.7 | 196.0 | 205.5 | 217.9 | 233.2 | 228.0 | 213.0 | 230.9 | 227.2 | 220.0 |
| G40.0 | 204.0 | 199.9 | 209.2 | 224.1 | 242.0 | 235.2 | 221.4 | 237.8 | 237.2 | 227.4 |
| G41.0 | 207.8 | 206.0 | 215.1 | 230.8 | 253.3 | 241.3 | 230.1 | 244.0 | 247.1 | 233.6 |
| G42.0 | 211.7 | 213.0 | 222.5 | 238.0 | 263.6 | 248.1 | 238.4 | 251.9 | 257.2 | 242.5 |
| G43.0 | 216.1 | 220.9 | 232.2 | 244.7 | 275.1 | 255.0 | 250.9 | 257.7 | 268.9 | 250.5 |
| G44.0 | 222.2 | 227.7 | 240.8 | 252.5 | 288.1 | 263.8 | 264.7 | 264.5 | 280.1 | 256.9 |
| G45.0 | 229.8 | 236.4 | 249.8 | 259.9 | 300.2 | 271.4 | 276.0 | 271.1 | 288.9 | 267.6 |
| G46.0 | 239.1 | 244.0 | 256.7 | 267.7 | 313.2 | 278.7 | 287.5 | 274.6 | 296.9 | 276.3 |
| G47.0 | 249.1 | 254.9 | 264.0 | 275.9 | 321.5 | 288.4 | 298.7 | 278.9 | 304.1 | 284.0 |
| G48.0 | 257.4 | 263.1 | 272.2 | 285.5 | 327.9 | 297.1 | 308.7 | 285.5 | 314.1 | 290.6 |
| G49.0 | 265.3 | 270.1 | 279.0 | 294.2 | 329.5 | 307.1 | 319.4 | 290.5 | 323.1 | 298.2 |
| G50.0 | 273.7 | 277.2 | 286.6 | 304.7 | 332.6 | 315.4 | 330.0 | 296.8 | 330.7 | 301.6 |
| G51.0 | 280.0 | 283.9 | 294.6 | 316.0 | 339.0 | 327.8 | 342.8 | 302.7 | 338.7 | 305.4 |
| G52.0 | 287.3 | 290.1 | 302.6 | 324.3 | 341.7 | 334.0 | 352.2 | 309.6 | 345.6 | 315.1 |
| G53.0 | 295.6 | 296.1 | 314.1 | 337.8 | 352.8 | 340.0 | 358.4 | 321.0 | 355.2 | 320.3 |
| G54.0 | 300.7 | 306.7 | 325.8 | 346.9 | 356.8 | 339.9 | 360.5 | 322.4 | 355.2 | 329.7 |
| G55.0 | 309.5 | 320.8 | 336.6 | 353.5 | 359.0 | 345.8 | 363.6 | 328.4 | 360.3 | 331.1 |
| G56.0 | 316.1 | 330.4 | 342.4 | 365.1 | 358.7 | 350.3 | 365.6 | 334.3 | 365.2 | 341.6 |
| G57.0 | 321.7 | 340.4 | 345.3 | 371.9 | 367.7 | 353.2 | 368.1 | 342.0 | 372.7 | 347.4 |
| G58.0 | 323.1 | 350.2 | 346.6 | 378.0 | 367.9 | 354.6 | 371.2 | 339.8 | 373.3 | 356.1 |
| G59.0 | 327.9 | 360.8 | 350.8 | 381.8 | 371.1 | 354.8 | 372.9 | 342.2 | 375.6 | 360.3 |
| G60.0 | 335.3 | 368.1 | 355.8 | 382.3 | 369.7 | 354.4 | 372.2 | 339.8 | 375.1 | 365.4 |
| G61.0 | 337.1 | 376.9 | 351.1 | 383.8 | 369.5 | 357.9 | 379.6 | 341.2 | 375.7 | 368.2 |
| G62.0 | 341.4 | 383.8 | 353.1 | 384.0 | 368.6 | 361.1 | 381.1 | 341.5 | 381.4 | 376.4 |
| G63.0 | 346.4 | 387.8 | 348.9 | 383.6 | 370.1 | 363.8 | 385.5 | 344.8 | 382.2 | 378.3 |
| G64.0 | 348.9 | 388.2 | 352.3 | 384.7 | 376.0 | 364.0 | 385.4 | 347.2 | 386.9 | 383.3 |
| G65.0 | 347.7 | 391.1 | 354.8 | 389.7 | 377.6 | 366.3 | 394.1 | 348.3 | 381.7 | 385.6 |
| G66.0 | 353.5 | 393.5 | 353.0 | 390.5 | 381.6 | 373.5 | 393.2 | 351.5 | 390.8 | 393.1 |
| G67.0 | 356.3 | 398.7 | 359.8 | 393.7 | 384.7 | 373.9 | 401.3 | 355.6 | 389.5 | 395.5 |
| G68.0 | 356.7 | 396.0 | 355.7 | 390.4 | 383.7 | 374.0 | 396.1 | 351.7 | 392.3 | 399.1 |
| G69.0 | 361.8 | 401.1 | 357.3 | 392.7 | 384.9 | 374.2 | 402.6 | 348.0 | 379.1 | 396.2 |
| G70.0 | 358.1 | 396.8 | 350.1 | 392.5 | 386.0 | 385.2 | 403.8 | 350.9 | 388.0 | 396.4 |
| G71.0 | 362.5 | 398.1 | 353.0 | 397.1 | 391.1 | 383.2 | 408.4 | 352.6 | 388.1 | 404.0 |
| G72.0 | 358.5 | 397.2 | 350.6 | 395.3 | 389.5 | 382.8 | 406.1 | 351.8 | 386.6 | 401.7 |
| G73.0 | 363.4 | 389.9 | 350.9 | 398.3 | 396.8 | 387.3 | 408.4 | 346.7 | 380.1 | 403.6 |

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 28.4 °C

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-3000

Distance: 14.040 m [K=1.0000]

Humidity:

Inspector:



Candlepower Table (Continue 2)

Unit: cd

| G\C | C0.0 | C22.5 | C45.0 | C67.5 | C90.0 | C112.5 | C135.0 | C157.5 | C180.0 | C202.5 |
|--------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| G74.0 | 359.6 | 389.4 | 349.8 | 403.7 | 399.2 | 392.5 | 416.4 | 356.4 | 385.2 | 395.5 |
| G75.0 | 361.6 | 380.9 | 351.0 | 400.2 | 402.1 | 392.0 | 411.8 | 356.4 | 391.7 | 410.5 |
| G76.0 | 359.6 | 379.3 | 348.0 | 404.6 | 396.2 | 387.6 | 411.9 | 355.3 | 378.3 | 404.0 |
| G77.0 | 357.1 | 371.2 | 350.9 | 406.0 | 405.3 | 395.8 | 410.4 | 352.0 | 378.9 | 400.5 |
| G78.0 | 357.1 | 377.1 | 353.1 | 412.0 | 401.3 | 399.5 | 419.4 | 359.5 | 376.8 | 396.8 |
| G79.0 | 359.0 | 369.7 | 350.1 | 403.0 | 393.4 | 387.0 | 415.0 | 365.9 | 390.5 | 405.1 |
| G80.0 | 355.4 | 368.4 | 351.5 | 413.0 | 397.1 | 388.2 | 405.6 | 353.3 | 376.9 | 407.8 |
| G81.0 | 354.9 | 366.3 | 357.4 | 412.9 | 396.5 | 393.2 | 417.0 | 355.8 | 370.0 | 391.7 |
| G82.0 | 357.4 | 373.0 | 364.1 | 424.1 | 406.8 | 399.0 | 418.2 | 359.9 | 381.4 | 394.3 |
| G83.0 | 364.8 | 368.3 | 357.3 | 405.2 | 388.4 | 393.3 | 430.3 | 364.6 | 380.0 | 401.0 |
| G84.0 | 359.8 | 359.9 | 355.8 | 408.1 | 388.2 | 376.5 | 408.5 | 366.9 | 389.4 | 402.6 |
| G85.0 | 354.0 | 361.6 | 360.0 | 407.1 | 389.9 | 386.3 | 410.4 | 349.3 | 373.3 | 403.7 |
| G86.0 | 358.3 | 361.9 | 362.1 | 408.6 | 391.3 | 382.6 | 415.2 | 358.1 | 366.5 | 381.5 |
| G87.0 | 356.8 | 359.8 | 357.6 | 400.8 | 385.0 | 380.8 | 415.5 | 353.3 | 375.9 | 387.9 |
| G88.0 | 354.8 | 355.6 | 366.7 | 405.8 | 384.2 | 371.8 | 410.9 | 352.8 | 366.1 | 385.8 |
| G89.0 | 356.2 | 361.9 | 368.0 | 403.1 | 389.7 | 376.7 | 408.9 | 346.6 | 367.7 | 381.7 |
| G90.0 | 359.7 | 356.5 | 369.7 | 402.8 | 383.4 | 375.1 | 419.2 | 342.9 | 353.5 | 374.3 |
| G91.0 | 357.7 | 353.9 | 361.8 | 394.4 | 380.1 | 368.3 | 412.2 | 344.0 | 362.8 | 373.0 |
| G92.0 | 352.2 | 344.2 | 370.0 | 397.4 | 375.9 | 361.9 | 409.4 | 334.8 | 351.9 | 373.4 |
| G93.0 | 353.9 | 347.4 | 366.6 | 389.7 | 377.2 | 356.7 | 402.3 | 331.0 | 348.5 | 366.5 |
| G94.0 | 350.1 | 336.1 | 364.5 | 387.9 | 368.7 | 356.1 | 404.4 | 319.3 | 336.8 | 357.5 |
| G95.0 | 346.9 | 334.1 | 359.2 | 379.9 | 365.0 | 348.6 | 399.3 | 317.9 | 326.4 | 345.4 |
| G96.0 | 335.5 | 325.0 | 359.9 | 375.4 | 358.7 | 338.0 | 389.2 | 308.1 | 320.8 | 338.4 |
| G97.0 | 332.9 | 325.7 | 353.5 | 369.5 | 350.6 | 328.3 | 374.2 | 293.7 | 306.1 | 327.0 |
| G98.0 | 318.5 | 309.1 | 344.6 | 347.6 | 333.8 | 322.6 | 367.7 | 280.4 | 294.8 | 312.6 |
| G99.0 | 308.3 | 298.3 | 330.6 | 330.6 | 318.5 | 312.5 | 353.3 | 270.9 | 282.5 | 299.6 |
| G100.0 | 293.8 | 286.2 | 323.8 | 317.1 | 304.8 | 304.7 | 343.7 | 261.9 | 278.1 | 294.1 |
| G101.0 | 284.0 | 278.5 | 316.2 | 301.2 | 291.6 | 297.6 | 328.7 | 249.8 | 266.7 | 283.5 |
| G102.0 | 268.4 | 269.9 | 320.4 | 291.9 | 277.4 | 293.7 | 321.7 | 242.7 | 257.1 | 270.4 |
| G103.0 | 252.9 | 266.1 | 300.1 | 275.8 | 261.2 | 280.2 | 306.3 | 234.2 | 250.7 | 261.7 |
| G104.0 | 242.2 | 254.0 | 307.9 | 264.3 | 249.2 | 275.6 | 290.9 | 221.5 | 242.1 | 256.4 |
| G105.0 | 227.8 | 241.1 | 282.2 | 240.9 | 233.4 | 267.9 | 276.0 | 206.5 | 229.0 | 244.9 |
| G106.0 | 211.7 | 227.6 | 277.3 | 230.6 | 216.1 | 256.8 | 265.6 | 198.4 | 217.1 | 231.0 |
| G107.0 | 197.6 | 214.6 | 264.9 | 211.0 | 203.0 | 241.2 | 246.4 | 200.4 | 205.3 | 224.2 |
| G108.0 | 187.0 | 205.2 | 250.1 | 199.9 | 191.6 | 230.3 | 234.4 | 185.1 | 195.3 | 226.1 |
| G109.0 | 170.2 | 191.2 | 247.5 | 185.3 | 177.7 | 213.8 | 217.9 | 180.0 | 178.3 | 207.3 |
| G110.0 | 158.2 | 179.4 | 225.7 | 167.0 | 160.5 | 203.9 | 203.7 | 166.0 | 166.0 | 198.0 |

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 28.4 °C

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-3000

Distance: 14.040 m [K=1.0000]

Humidity:

Inspector:



Candlepower Table (Continue 3)

Unit: cd

| G/C | C0.0 | C22.5 | C45.0 | C67.5 | C90.0 | C112.5 | C135.0 | C157.5 | C180.0 | C202.5 |
|--------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| G111.0 | 146.2 | 172.9 | 219.7 | 161.1 | 148.7 | 182.0 | 183.5 | 160.3 | 153.7 | 186.7 |
| G112.0 | 131.6 | 156.8 | 198.3 | 139.9 | 132.4 | 176.9 | 172.7 | 143.6 | 140.0 | 173.0 |
| G113.0 | 119.4 | 149.0 | 179.9 | 131.9 | 120.0 | 158.2 | 156.0 | 140.5 | 126.2 | 164.9 |
| G114.0 | 108.9 | 137.9 | 168.0 | 117.6 | 106.0 | 147.1 | 144.0 | 131.2 | 116.1 | 143.5 |
| G115.0 | 94.4 | 124.7 | 147.2 | 107.9 | 95.8 | 139.6 | 131.5 | 120.8 | 103.8 | 136.7 |
| G116.0 | 82.3 | 119.6 | 134.8 | 105.3 | 83.6 | 120.0 | 118.0 | 118.3 | 91.3 | 122.6 |
| G117.0 | 70.3 | 104.0 | 113.1 | 85.7 | 72.2 | 110.6 | 106.1 | 105.2 | 78.5 | 107.4 |
| G118.0 | 59.3 | 91.7 | 99.5 | 77.5 | 63.8 | 102.4 | 94.3 | 97.0 | 70.1 | 103.1 |
| G119.0 | 51.4 | 88.9 | 95.0 | 77.4 | 53.7 | 90.0 | 86.3 | 93.2 | 62.9 | 93.0 |
| G120.0 | 46.1 | 74.5 | 76.6 | 62.5 | 48.4 | 85.6 | 79.4 | 83.1 | 58.8 | 84.5 |
| G121.0 | 42.8 | 69.1 | 76.7 | 61.1 | 45.6 | 83.1 | 73.8 | 78.6 | 56.1 | 80.0 |
| G122.0 | 40.2 | 68.7 | 81.4 | 65.8 | 43.0 | 75.9 | 68.9 | 77.2 | 52.5 | 76.4 |
| G123.0 | 38.1 | 61.7 | 60.3 | 56.5 | 41.2 | 69.1 | 64.3 | 72.7 | 48.4 | 69.8 |
| G124.0 | 36.7 | 54.3 | 53.6 | 51.4 | 39.7 | 65.3 | 59.1 | 65.7 | 44.0 | 64.4 |
| G125.0 | 35.7 | 51.3 | 55.5 | 50.7 | 38.4 | 61.7 | 54.9 | 60.1 | 40.0 | 59.4 |
| G126.0 | 35.1 | 54.3 | 56.8 | 50.5 | 37.4 | 53.4 | 50.5 | 54.8 | 36.9 | 56.3 |
| G127.0 | 34.7 | 48.8 | 48.8 | 47.2 | 36.5 | 49.9 | 48.0 | 50.5 | 34.8 | 52.2 |
| G128.0 | 34.4 | 44.9 | 44.3 | 45.7 | 35.7 | 47.7 | 46.5 | 44.6 | 33.6 | 45.0 |
| G129.0 | 34.2 | 44.1 | 42.6 | 43.0 | 34.8 | 46.1 | 45.6 | 42.3 | 32.6 | 42.7 |
| G130.0 | 34.0 | 43.1 | 40.8 | 41.4 | 34.0 | 45.0 | 45.1 | 40.8 | 32.1 | 41.3 |
| G131.0 | 33.8 | 42.1 | 39.5 | 40.4 | 32.7 | 43.8 | 44.9 | 40.2 | 31.5 | 40.0 |
| G132.0 | 33.2 | 41.1 | 38.3 | 38.6 | 31.5 | 42.5 | 44.2 | 39.6 | 31.1 | 38.8 |
| G133.0 | 32.4 | 40.1 | 37.3 | 36.4 | 30.0 | 40.8 | 43.5 | 39.3 | 30.9 | 36.9 |
| G134.0 | 31.7 | 39.1 | 36.7 | 35.0 | 28.8 | 38.9 | 42.0 | 38.6 | 29.9 | 35.2 |
| G135.0 | 30.9 | 37.6 | 35.3 | 33.4 | 27.8 | 36.9 | 40.1 | 37.6 | 28.7 | 33.6 |
| G136.0 | 30.0 | 35.5 | 33.5 | 31.9 | 26.6 | 35.2 | 38.2 | 35.8 | 27.3 | 32.2 |
| G137.0 | 28.8 | 33.9 | 31.6 | 29.8 | 25.0 | 33.0 | 36.0 | 33.6 | 26.1 | 30.5 |
| G138.0 | 27.5 | 31.8 | 29.4 | 27.6 | 23.6 | 30.0 | 33.3 | 31.4 | 24.9 | 28.7 |
| G139.0 | 26.1 | 29.3 | 27.0 | 24.9 | 22.2 | 27.6 | 30.5 | 28.6 | 23.6 | 26.6 |
| G140.0 | 24.3 | 26.6 | 24.5 | 22.3 | 20.9 | 25.0 | 27.4 | 26.2 | 22.3 | 24.3 |
| G141.0 | 22.5 | 24.1 | 21.8 | 19.7 | 19.5 | 22.7 | 24.2 | 23.6 | 20.7 | 22.1 |
| G142.0 | 20.5 | 21.6 | 19.5 | 17.5 | 18.1 | 20.6 | 21.3 | 21.2 | 19.2 | 20.1 |
| G143.0 | 18.7 | 19.4 | 17.1 | 15.8 | 16.7 | 18.5 | 18.8 | 19.0 | 17.9 | 18.0 |
| G144.0 | 17.1 | 17.4 | 15.5 | 14.7 | 15.4 | 16.6 | 16.6 | 17.0 | 16.6 | 16.3 |
| G145.0 | 15.5 | 15.4 | 14.5 | 13.8 | 14.4 | 15.3 | 15.1 | 15.2 | 15.4 | 15.0 |
| G146.0 | 14.3 | 14.1 | 13.6 | 13.1 | 13.4 | 14.1 | 14.1 | 13.8 | 14.3 | 13.8 |
| G147.0 | 13.1 | 13.1 | 12.8 | 12.5 | 12.4 | 13.0 | 13.2 | 12.8 | 13.1 | 12.8 |

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 28.4 °C

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-3000

Distance: 14.040 m [K=1.0000]

Humidity:

Inspector:



Candlepower Table (Continue 4)

Unit: cd

| G\C | C0.0 | C22.5 | C45.0 | C67.5 | C90.0 | C112.5 | C135.0 | C157.5 | C180.0 | C202.5 |
|--------|------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| G148.0 | 12.3 | 12.2 | 12.2 | 11.8 | 11.6 | 12.3 | 12.5 | 11.8 | 12.1 | 12.0 |
| G149.0 | 11.5 | 11.5 | 11.7 | 11.1 | 11.0 | 11.5 | 11.7 | 11.0 | 11.1 | 11.1 |
| G150.0 | 10.7 | 10.8 | 11.3 | 10.4 | 10.4 | 10.7 | 11.1 | 10.2 | 10.4 | 10.4 |
| G151.0 | 10.0 | 10.1 | 11.1 | 10.1 | 9.9 | 10.1 | 10.5 | 9.5 | 9.7 | 9.5 |
| G152.0 | 9.4 | 9.5 | 13.9 | 13.1 | 9.3 | 9.3 | 9.9 | 8.7 | 8.8 | 8.8 |
| G153.0 | 8.7 | 9.0 | 24.0 | 39.6 | 8.8 | 8.8 | 9.4 | 8.1 | 8.0 | 8.0 |
| G154.0 | 8.0 | 8.4 | 14.7 | 10.6 | 8.3 | 8.2 | 8.7 | 7.4 | 7.3 | 7.4 |
| G155.0 | 7.5 | 7.9 | 17.5 | 17.5 | 7.7 | 7.6 | 8.2 | 6.7 | 6.8 | 6.8 |
| G156.0 | 7.1 | 7.4 | 21.1 | 23.5 | 7.3 | 7.2 | 7.7 | 6.3 | 6.2 | 6.3 |
| G157.0 | 6.6 | 7.1 | 25.1 | 9.1 | 6.8 | 6.7 | 7.2 | 5.8 | 5.7 | 5.8 |
| G158.0 | 6.3 | 7.2 | 56.1 | 16.9 | 6.3 | 6.5 | 6.7 | 5.4 | 5.2 | 5.4 |
| G159.0 | 5.7 | 18.6 | 88.2 | 61.7 | 5.8 | 6.0 | 6.1 | 5.0 | 4.6 | 5.0 |
| G160.0 | 5.4 | 35.5 | 114.2 | 79.4 | 5.4 | 5.5 | 5.6 | 4.6 | 4.2 | 4.7 |
| G161.0 | 5.0 | 37.7 | 55.7 | 116.6 | 5.1 | 5.0 | 5.0 | 4.0 | 3.9 | 4.2 |
| G162.0 | 4.6 | 35.1 | 50.3 | 62.8 | 4.6 | 4.6 | 4.5 | 3.7 | 3.5 | 3.9 |
| G163.0 | 4.2 | 48.4 | 51.0 | 65.1 | 4.4 | 4.2 | 4.1 | 3.2 | 3.0 | 4.0 |
| G164.0 | 3.8 | 35.6 | 55.9 | 51.0 | 4.0 | 3.9 | 4.0 | 3.4 | 2.6 | 5.4 |
| G165.0 | 3.4 | 36.8 | 78.8 | 40.4 | 3.8 | 3.8 | 28.0 | 3.5 | 2.5 | 19.6 |
| G166.0 | 3.1 | 34.8 | 126.4 | 44.5 | 3.6 | 4.6 | 42.0 | 3.8 | 2.3 | 34.9 |
| G167.0 | 2.9 | 6.3 | 98.6 | 56.9 | 3.4 | 35.5 | 52.0 | 19.9 | 2.2 | 36.5 |
| G168.0 | 2.8 | 5.6 | 72.9 | 56.1 | 3.4 | 43.7 | 53.6 | 34.7 | 2.2 | 36.5 |
| G169.0 | 2.8 | 5.6 | 56.9 | 29.8 | 3.2 | 37.2 | 4.6 | 19.2 | 2.2 | 51.0 |
| G170.0 | 3.0 | 5.1 | 23.2 | 13.3 | 2.9 | 20.9 | 2.9 | 20.4 | 2.2 | 37.5 |
| G171.0 | 3.0 | 4.4 | 18.3 | 9.2 | 2.7 | 22.6 | 2.4 | 23.2 | 2.0 | 38.4 |
| G172.0 | 3.2 | 3.9 | 11.3 | 7.8 | 2.6 | 12.2 | 2.3 | 10.6 | 2.0 | 37.6 |
| G173.0 | 3.2 | 3.5 | 4.9 | 3.7 | 2.4 | 14.0 | 5.7 | 1.8 | 1.8 | 12.9 |
| G174.0 | 3.1 | 3.4 | 3.2 | 2.8 | 2.4 | 2.0 | 2.3 | 1.2 | 1.5 | 2.9 |
| G175.0 | 2.9 | 3.2 | 3.0 | 2.6 | 2.2 | 1.6 | 1.3 | 1.0 | 2.1 | 2.7 |
| G176.0 | 3.1 | 3.3 | 2.9 | 2.4 | 2.0 | 1.8 | 1.8 | 1.7 | 2.4 | 2.2 |
| G177.0 | 3.2 | 3.1 | 2.8 | 2.2 | 2.2 | 2.0 | 1.9 | 2.0 | 2.5 | 2.3 |
| G178.0 | 3.0 | 2.8 | 2.4 | 2.0 | 2.0 | 2.0 | 2.1 | 2.0 | 2.5 | 2.4 |
| G179.0 | 2.8 | 2.8 | 2.1 | 2.0 | 2.0 | 2.2 | 2.1 | 2.3 | 2.5 | 2.5 |
| G180.0 | 2.7 | 2.5 | 2.0 | 2.1 | 2.2 | 2.2 | 2.1 | 2.4 | 2.6 | 2.6 |
| | | | | | | | | | | |
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| | | | | | | | | | | |

C Plane (°):0.0-360.0: 22.5
 Test Lab:
 Test Type: TYPE C
 Temperature: 28.4 °C
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-3000
 Distance: 14.040 m [K=1.0000]
 Humidity:
 Inspector:



Candlepower Table (Continue 5)

Unit: cd

| G\C | C225.0 | C247.5 | C270.0 | C292.5 | C315.0 | C337.5 | C360.0 | | | |
|-------|--------|--------|--------|--------|--------|--------|--------|--|--|--|
| G0.0 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | | | |
| G1.0 | 70.2 | 69.6 | 69.7 | 69.6 | 69.4 | 70.1 | 70.4 | | | |
| G2.0 | 69.6 | 70.3 | 69.8 | 70.0 | 69.8 | 70.4 | 70.7 | | | |
| G3.0 | 70.8 | 71.5 | 71.3 | 70.0 | 71.1 | 71.1 | 71.0 | | | |
| G4.0 | 72.8 | 75.1 | 73.1 | 72.8 | 72.6 | 72.2 | 71.6 | | | |
| G5.0 | 76.8 | 79.0 | 76.5 | 75.7 | 75.2 | 71.6 | 72.5 | | | |
| G6.0 | 81.7 | 82.3 | 78.0 | 78.6 | 76.6 | 71.7 | 72.1 | | | |
| G7.0 | 84.3 | 83.7 | 77.8 | 80.2 | 76.6 | 74.3 | 71.6 | | | |
| G8.0 | 86.3 | 86.9 | 78.6 | 82.5 | 77.0 | 76.9 | 72.0 | | | |
| G9.0 | 87.1 | 89.3 | 80.6 | 83.8 | 78.5 | 79.9 | 72.2 | | | |
| G10.0 | 87.6 | 89.9 | 82.8 | 85.1 | 80.2 | 82.1 | 73.3 | | | |
| G11.0 | 88.2 | 89.9 | 84.9 | 85.9 | 84.2 | 83.9 | 75.2 | | | |
| G12.0 | 88.7 | 92.5 | 86.6 | 86.9 | 87.8 | 86.1 | 77.9 | | | |
| G13.0 | 90.8 | 93.7 | 88.3 | 89.3 | 90.2 | 87.4 | 80.1 | | | |
| G14.0 | 92.1 | 93.8 | 88.6 | 90.9 | 93.3 | 89.8 | 83.1 | | | |
| G15.0 | 94.8 | 96.5 | 88.3 | 91.8 | 95.3 | 91.6 | 85.4 | | | |
| G16.0 | 98.7 | 100.6 | 90.7 | 93.2 | 96.5 | 92.2 | 86.6 | | | |
| G17.0 | 101.9 | 100.7 | 91.7 | 95.1 | 99.3 | 93.3 | 88.0 | | | |
| G18.0 | 104.2 | 102.1 | 94.1 | 97.3 | 102.4 | 93.8 | 88.5 | | | |
| G19.0 | 108.5 | 105.7 | 96.3 | 99.4 | 104.2 | 94.7 | 89.7 | | | |
| G20.0 | 112.9 | 111.5 | 97.3 | 101.8 | 104.4 | 97.1 | 91.1 | | | |
| G21.0 | 116.6 | 117.3 | 100.0 | 105.2 | 105.9 | 99.4 | 93.1 | | | |
| G22.0 | 120.3 | 120.3 | 103.8 | 108.3 | 111.6 | 103.8 | 95.6 | | | |
| G23.0 | 126.4 | 123.1 | 107.5 | 112.0 | 119.6 | 107.1 | 99.1 | | | |
| G24.0 | 135.1 | 126.6 | 112.0 | 116.1 | 124.1 | 111.9 | 102.2 | | | |
| G25.0 | 145.4 | 132.3 | 116.5 | 120.7 | 127.1 | 116.0 | 105.8 | | | |
| G26.0 | 155.9 | 141.0 | 121.7 | 126.0 | 129.1 | 121.8 | 110.0 | | | |
| G27.0 | 162.8 | 150.3 | 127.9 | 132.7 | 133.9 | 127.9 | 115.2 | | | |
| G28.0 | 168.9 | 160.2 | 134.2 | 140.8 | 139.2 | 135.8 | 121.6 | | | |
| G29.0 | 172.2 | 172.1 | 141.6 | 148.8 | 146.2 | 144.4 | 128.2 | | | |
| G30.0 | 173.8 | 185.9 | 147.8 | 158.2 | 153.3 | 153.4 | 135.2 | | | |
| G31.0 | 177.0 | 191.6 | 154.2 | 167.4 | 161.7 | 160.5 | 143.0 | | | |
| G32.0 | 179.4 | 193.7 | 160.4 | 176.4 | 170.0 | 166.9 | 150.5 | | | |
| G33.0 | 182.5 | 196.4 | 164.6 | 186.9 | 177.1 | 174.1 | 157.3 | | | |
| G34.0 | 186.5 | 200.7 | 169.9 | 195.7 | 183.2 | 181.2 | 164.6 | | | |
| G35.0 | 190.3 | 202.6 | 176.3 | 202.1 | 189.7 | 185.7 | 170.7 | | | |
| G36.0 | 193.7 | 208.0 | 182.5 | 206.6 | 191.9 | 191.1 | 178.6 | | | |

C Plane (°):0.0-360.0: 22.5
 Test Lab:
 Test Type: TYPE C
 Temperature: 28.4 °C
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-3000
 Distance: 14.040 m [K=1.0000]
 Humidity:
 Inspector:



Candlepower Table (Continue 6)

Unit: cd

| | | | | | | | | | | |
|-------|--------|--------|--------|--------|--------|--------|--------|--|--|--|
| G\C | C225.0 | C247.5 | C270.0 | C292.5 | C315.0 | C337.5 | C360.0 | | | |
| G37.0 | 197.7 | 214.6 | 188.5 | 210.6 | 194.4 | 194.8 | 188.1 | | | |
| G38.0 | 202.5 | 220.4 | 195.6 | 210.8 | 200.0 | 198.8 | 195.4 | | | |
| G39.0 | 208.8 | 226.0 | 202.5 | 212.5 | 205.3 | 205.2 | 200.7 | | | |
| G40.0 | 216.8 | 232.2 | 211.3 | 215.4 | 208.3 | 212.8 | 204.0 | | | |
| G41.0 | 225.6 | 240.9 | 220.5 | 219.5 | 214.7 | 219.9 | 207.8 | | | |
| G42.0 | 232.7 | 247.7 | 230.9 | 223.7 | 221.8 | 227.6 | 211.7 | | | |
| G43.0 | 240.9 | 254.6 | 242.5 | 229.0 | 226.6 | 236.8 | 216.1 | | | |
| G44.0 | 250.5 | 260.5 | 256.7 | 235.1 | 232.9 | 246.8 | 222.2 | | | |
| G45.0 | 260.5 | 265.7 | 269.6 | 239.7 | 239.7 | 256.8 | 229.8 | | | |
| G46.0 | 270.1 | 271.3 | 282.9 | 244.1 | 244.0 | 268.1 | 239.1 | | | |
| G47.0 | 284.2 | 279.9 | 296.0 | 251.5 | 252.6 | 281.0 | 249.1 | | | |
| G48.0 | 295.1 | 284.5 | 311.3 | 258.1 | 262.6 | 291.7 | 257.4 | | | |
| G49.0 | 309.6 | 290.5 | 325.3 | 266.2 | 273.3 | 302.4 | 265.3 | | | |
| G50.0 | 320.9 | 298.1 | 337.6 | 273.6 | 284.2 | 311.6 | 273.7 | | | |
| G51.0 | 331.4 | 304.7 | 347.4 | 279.1 | 294.1 | 319.6 | 280.0 | | | |
| G52.0 | 336.4 | 310.1 | 356.0 | 284.5 | 305.9 | 324.7 | 287.3 | | | |
| G53.0 | 346.9 | 316.9 | 361.7 | 288.8 | 321.1 | 331.2 | 295.6 | | | |
| G54.0 | 357.2 | 326.0 | 370.9 | 297.6 | 333.3 | 339.9 | 300.7 | | | |
| G55.0 | 362.7 | 333.4 | 383.7 | 303.0 | 345.0 | 348.1 | 309.5 | | | |
| G56.0 | 370.9 | 335.1 | 391.7 | 312.3 | 362.4 | 354.1 | 316.1 | | | |
| G57.0 | 376.4 | 340.0 | 402.4 | 318.9 | 368.1 | 360.0 | 321.7 | | | |
| G58.0 | 385.3 | 341.0 | 408.3 | 321.9 | 372.9 | 362.8 | 323.1 | | | |
| G59.0 | 385.3 | 349.4 | 415.9 | 323.6 | 372.9 | 369.2 | 327.9 | | | |
| G60.0 | 383.3 | 349.7 | 415.8 | 328.0 | 379.0 | 382.0 | 335.3 | | | |
| G61.0 | 380.9 | 356.3 | 421.9 | 329.1 | 383.4 | 387.9 | 337.1 | | | |
| G62.0 | 378.7 | 356.9 | 419.4 | 331.9 | 381.1 | 397.7 | 341.4 | | | |
| G63.0 | 379.0 | 365.0 | 417.9 | 330.7 | 383.8 | 408.1 | 346.4 | | | |
| G64.0 | 380.4 | 363.5 | 423.4 | 335.8 | 390.1 | 411.5 | 348.9 | | | |
| G65.0 | 382.8 | 369.3 | 424.2 | 335.2 | 388.1 | 416.3 | 347.7 | | | |
| G66.0 | 380.6 | 370.5 | 428.6 | 337.9 | 392.5 | 417.5 | 353.5 | | | |
| G67.0 | 386.5 | 374.7 | 424.2 | 340.9 | 392.8 | 426.0 | 356.3 | | | |
| G68.0 | 389.8 | 376.6 | 432.8 | 343.7 | 400.5 | 423.2 | 356.7 | | | |
| G69.0 | 394.6 | 385.8 | 431.6 | 347.5 | 394.2 | 427.1 | 361.8 | | | |
| G70.0 | 390.4 | 385.7 | 437.1 | 352.1 | 399.2 | 425.0 | 358.1 | | | |
| G71.0 | 397.5 | 388.2 | 428.9 | 351.1 | 394.9 | 419.2 | 362.5 | | | |
| G72.0 | 401.5 | 394.2 | 431.9 | 352.9 | 399.6 | 421.4 | 358.5 | | | |
| G73.0 | 404.1 | 395.4 | 432.3 | 353.3 | 395.8 | 418.4 | 363.4 | | | |

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 28.4 °C

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-3000

Distance: 14.040 m [K=1.0000]

Humidity:

Inspector:



Candlepower Table (Continue 7)

Unit: cd

| G\C | C225.0 | C247.5 | C270.0 | C292.5 | C315.0 | C337.5 | C360.0 | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--|--|--|
| G74.0 | 400.0 | 397.4 | 431.7 | 355.7 | 396.8 | 416.2 | 359.6 | | | |
| G75.0 | 404.0 | 390.9 | 426.3 | 350.4 | 395.7 | 412.4 | 361.6 | | | |
| G76.0 | 414.3 | 401.0 | 432.4 | 355.0 | 400.6 | 412.8 | 359.6 | | | |
| G77.0 | 404.6 | 393.3 | 431.9 | 351.2 | 393.3 | 406.8 | 357.1 | | | |
| G78.0 | 402.9 | 392.4 | 425.2 | 349.5 | 392.3 | 404.8 | 357.1 | | | |
| G79.0 | 405.2 | 387.5 | 421.3 | 346.8 | 395.5 | 409.4 | 359.0 | | | |
| G80.0 | 415.8 | 395.1 | 431.2 | 353.6 | 396.7 | 401.3 | 355.4 | | | |
| G81.0 | 405.5 | 394.1 | 430.7 | 346.6 | 388.1 | 400.0 | 354.9 | | | |
| G82.0 | 398.9 | 383.9 | 421.4 | 345.2 | 390.2 | 399.9 | 357.4 | | | |
| G83.0 | 408.6 | 390.5 | 429.1 | 345.6 | 396.3 | 410.1 | 364.8 | | | |
| G84.0 | 414.8 | 393.0 | 433.9 | 351.9 | 403.1 | 403.5 | 359.8 | | | |
| G85.0 | 422.9 | 398.2 | 440.3 | 348.6 | 393.7 | 392.9 | 354.0 | | | |
| G86.0 | 406.0 | 389.1 | 428.3 | 339.7 | 390.3 | 392.4 | 358.3 | | | |
| G87.0 | 407.2 | 380.5 | 427.8 | 340.3 | 400.0 | 391.6 | 356.8 | | | |
| G88.0 | 414.6 | 385.8 | 431.0 | 336.7 | 397.4 | 385.6 | 354.8 | | | |
| G89.0 | 412.1 | 380.1 | 428.1 | 331.2 | 395.5 | 380.7 | 356.2 | | | |
| G90.0 | 409.0 | 379.8 | 424.0 | 328.6 | 400.0 | 383.2 | 359.7 | | | |
| G91.0 | 405.9 | 371.8 | 426.0 | 327.7 | 403.5 | 379.6 | 357.7 | | | |
| G92.0 | 412.1 | 376.7 | 426.6 | 325.0 | 403.6 | 371.5 | 352.2 | | | |
| G93.0 | 408.0 | 371.0 | 421.7 | 316.7 | 399.7 | 367.2 | 353.9 | | | |
| G94.0 | 401.9 | 366.8 | 415.0 | 313.9 | 402.7 | 364.5 | 350.1 | | | |
| G95.0 | 392.0 | 357.9 | 411.6 | 309.6 | 403.8 | 358.2 | 346.9 | | | |
| G96.0 | 387.6 | 356.9 | 407.7 | 303.9 | 396.4 | 340.0 | 335.5 | | | |
| G97.0 | 377.8 | 348.0 | 396.1 | 290.4 | 382.4 | 329.7 | 332.9 | | | |
| G98.0 | 364.9 | 336.5 | 381.8 | 281.6 | 376.1 | 317.4 | 318.5 | | | |
| G99.0 | 349.3 | 324.3 | 367.5 | 273.8 | 367.9 | 307.9 | 308.3 | | | |
| G100.0 | 343.8 | 318.5 | 356.2 | 266.2 | 358.8 | 294.2 | 293.8 | | | |
| G101.0 | 335.0 | 312.9 | 342.1 | 254.7 | 348.4 | 284.4 | 284.0 | | | |
| G102.0 | 324.6 | 302.3 | 327.9 | 243.9 | 342.3 | 273.7 | 268.4 | | | |
| G103.0 | 311.5 | 296.3 | 313.8 | 232.4 | 333.3 | 262.9 | 252.9 | | | |
| G104.0 | 300.4 | 284.1 | 298.5 | 226.4 | 333.7 | 252.3 | 242.2 | | | |
| G105.0 | 289.6 | 268.9 | 280.7 | 216.0 | 321.2 | 242.0 | 227.8 | | | |
| G106.0 | 276.8 | 253.1 | 267.7 | 211.2 | 312.2 | 228.8 | 211.7 | | | |
| G107.0 | 265.7 | 244.0 | 251.7 | 199.7 | 294.5 | 215.7 | 197.6 | | | |
| G108.0 | 251.0 | 230.3 | 235.2 | 187.4 | 282.6 | 206.1 | 187.0 | | | |
| G109.0 | 237.5 | 213.2 | 218.7 | 178.7 | 269.7 | 192.3 | 170.2 | | | |
| G110.0 | 221.3 | 197.8 | 203.1 | 167.1 | 244.4 | 182.8 | 158.2 | | | |

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 28.4 °C

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-3000

Distance: 14.040 m [K=1.0000]

Humidity:

Inspector:



Candlepower Table (Continue 8)

Unit: cd

| G/C | C225.0 | C247.5 | C270.0 | C292.5 | C315.0 | C337.5 | C360.0 | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--|--|--|
| G111.0 | 205.8 | 180.4 | 186.6 | 159.6 | 236.1 | 171.6 | 146.2 | | | |
| G112.0 | 195.0 | 168.6 | 172.0 | 147.2 | 214.4 | 154.5 | 131.6 | | | |
| G113.0 | 177.0 | 153.1 | 155.6 | 137.7 | 196.9 | 143.6 | 119.4 | | | |
| G114.0 | 163.4 | 139.7 | 141.6 | 130.5 | 180.8 | 129.2 | 108.9 | | | |
| G115.0 | 151.8 | 130.0 | 125.0 | 117.8 | 157.5 | 115.5 | 94.4 | | | |
| G116.0 | 138.9 | 120.4 | 111.2 | 108.4 | 142.8 | 104.7 | 82.3 | | | |
| G117.0 | 124.2 | 110.7 | 99.3 | 102.1 | 129.8 | 93.9 | 70.3 | | | |
| G118.0 | 113.3 | 103.3 | 85.7 | 92.4 | 112.5 | 82.7 | 59.3 | | | |
| G119.0 | 103.2 | 96.1 | 75.8 | 84.7 | 99.8 | 75.2 | 51.4 | | | |
| G120.0 | 96.3 | 89.8 | 67.6 | 78.2 | 94.1 | 70.0 | 46.1 | | | |
| G121.0 | 90.6 | 85.4 | 62.0 | 74.5 | 86.7 | 65.3 | 42.8 | | | |
| G122.0 | 84.4 | 82.1 | 58.1 | 70.6 | 77.6 | 59.0 | 40.2 | | | |
| G123.0 | 78.2 | 77.9 | 52.8 | 64.0 | 69.9 | 52.0 | 38.1 | | | |
| G124.0 | 72.0 | 72.9 | 48.6 | 58.2 | 62.9 | 47.0 | 36.7 | | | |
| G125.0 | 66.0 | 68.8 | 44.3 | 55.4 | 53.4 | 43.2 | 35.7 | | | |
| G126.0 | 59.9 | 63.3 | 41.6 | 50.4 | 49.0 | 41.1 | 35.1 | | | |
| G127.0 | 55.3 | 57.0 | 39.2 | 46.8 | 46.3 | 39.7 | 34.7 | | | |
| G128.0 | 50.6 | 51.9 | 37.5 | 44.8 | 44.9 | 39.0 | 34.4 | | | |
| G129.0 | 47.3 | 48.7 | 35.9 | 45.0 | 44.1 | 38.4 | 34.2 | | | |
| G130.0 | 45.1 | 46.7 | 34.6 | 44.3 | 43.7 | 37.7 | 34.0 | | | |
| G131.0 | 43.4 | 45.6 | 33.6 | 41.6 | 43.4 | 37.2 | 33.8 | | | |
| G132.0 | 42.3 | 43.3 | 32.8 | 40.4 | 43.4 | 37.0 | 33.2 | | | |
| G133.0 | 40.5 | 40.5 | 31.7 | 39.1 | 42.7 | 35.8 | 32.4 | | | |
| G134.0 | 38.1 | 38.0 | 30.1 | 37.8 | 41.6 | 35.4 | 31.7 | | | |
| G135.0 | 36.2 | 36.3 | 28.8 | 36.7 | 40.5 | 34.8 | 30.9 | | | |
| G136.0 | 35.1 | 34.5 | 27.9 | 35.8 | 39.4 | 34.3 | 30.0 | | | |
| G137.0 | 34.2 | 33.7 | 27.3 | 34.6 | 37.5 | 32.8 | 28.8 | | | |
| G138.0 | 33.3 | 32.6 | 26.6 | 32.7 | 35.2 | 30.8 | 27.5 | | | |
| G139.0 | 31.6 | 30.5 | 25.6 | 29.9 | 32.4 | 28.4 | 26.1 | | | |
| G140.0 | 28.8 | 28.0 | 24.1 | 27.1 | 28.9 | 26.1 | 24.3 | | | |
| G141.0 | 25.8 | 25.5 | 22.3 | 24.1 | 25.3 | 23.7 | 22.5 | | | |
| G142.0 | 22.7 | 22.5 | 20.5 | 21.6 | 22.0 | 21.3 | 20.5 | | | |
| G143.0 | 19.9 | 19.9 | 19.0 | 19.4 | 19.0 | 19.2 | 18.7 | | | |
| G144.0 | 16.7 | 17.5 | 17.5 | 17.4 | 16.4 | 17.4 | 17.1 | | | |
| G145.0 | 14.8 | 15.7 | 15.9 | 15.9 | 15.2 | 15.9 | 15.5 | | | |
| G146.0 | 14.0 | 14.6 | 14.8 | 14.8 | 14.2 | 14.3 | 14.3 | | | |
| G147.0 | 13.1 | 13.9 | 13.8 | 13.5 | 13.3 | 13.1 | 13.1 | | | |

C Plane (°):0.0-360.0: 22.5
 Test Lab:
 Test Type: TYPE C
 Temperature: 28.4 °C
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-3000
 Distance: 14.040 m [K=1.0000]
 Humidity:
 Inspector:



Candlepower Table (Continue 9)

Unit: cd

| G\C | C225.0 | C247.5 | C270.0 | C292.5 | C315.0 | C337.5 | C360.0 | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--|--|--|
| G148.0 | 12.5 | 13.2 | 13.0 | 12.6 | 12.6 | 12.3 | 12.3 | | | |
| G149.0 | 11.9 | 12.5 | 12.2 | 11.8 | 11.9 | 11.4 | 11.5 | | | |
| G150.0 | 11.3 | 11.9 | 11.6 | 11.1 | 11.4 | 10.6 | 10.7 | | | |
| G151.0 | 10.6 | 11.2 | 11.0 | 10.4 | 10.7 | 10.1 | 10.0 | | | |
| G152.0 | 10.0 | 10.5 | 10.4 | 9.7 | 10.2 | 9.4 | 9.4 | | | |
| G153.0 | 9.5 | 9.8 | 9.9 | 9.1 | 9.6 | 8.7 | 8.7 | | | |
| G154.0 | 9.0 | 9.2 | 9.5 | 8.5 | 9.1 | 8.2 | 8.0 | | | |
| G155.0 | 8.4 | 8.7 | 9.1 | 8.0 | 8.5 | 7.7 | 7.5 | | | |
| G156.0 | 7.9 | 9.0 | 8.8 | 7.4 | 8.0 | 7.3 | 7.1 | | | |
| G157.0 | 7.6 | 24.2 | 12.7 | 6.9 | 7.5 | 6.8 | 6.6 | | | |
| G158.0 | 7.5 | 60.6 | 23.3 | 6.7 | 7.0 | 6.4 | 6.3 | | | |
| G159.0 | 7.3 | 31.3 | 21.2 | 6.4 | 6.6 | 6.0 | 5.7 | | | |
| G160.0 | 22.0 | 29.2 | 23.3 | 6.4 | 6.1 | 5.6 | 5.4 | | | |
| G161.0 | 21.7 | 48.1 | 18.7 | 9.7 | 5.6 | 5.7 | 5.0 | | | |
| G162.0 | 33.4 | 26.9 | 11.5 | 15.5 | 5.3 | 20.8 | 4.6 | | | |
| G163.0 | 81.8 | 68.9 | 24.2 | 5.5 | 4.9 | 34.3 | 4.2 | | | |
| G164.0 | 73.3 | 129.0 | 52.4 | 4.9 | 4.8 | 26.1 | 3.8 | | | |
| G165.0 | 70.5 | 148.0 | 36.6 | 4.4 | 4.9 | 5.0 | 3.4 | | | |
| G166.0 | 33.2 | 138.9 | 22.3 | 4.1 | 5.1 | 4.0 | 3.1 | | | |
| G167.0 | 44.0 | 91.3 | 40.0 | 3.8 | 5.8 | 3.5 | 2.9 | | | |
| G168.0 | 45.3 | 83.3 | 11.1 | 3.5 | 9.9 | 3.3 | 2.8 | | | |
| G169.0 | 39.6 | 50.6 | 21.9 | 3.4 | 8.3 | 3.1 | 2.8 | | | |
| G170.0 | 54.8 | 51.1 | 22.3 | 3.1 | 3.8 | 4.6 | 3.0 | | | |
| G171.0 | 88.0 | 70.1 | 5.2 | 3.0 | 3.2 | 2.8 | 3.0 | | | |
| G172.0 | 78.0 | 78.7 | 4.1 | 2.9 | 3.0 | 2.7 | 3.2 | | | |
| G173.0 | 62.0 | 57.8 | 3.2 | 2.8 | 2.8 | 2.7 | 3.2 | | | |
| G174.0 | 13.3 | 4.8 | 2.8 | 2.6 | 2.7 | 2.5 | 3.1 | | | |
| G175.0 | 4.7 | 4.5 | 2.6 | 2.5 | 2.8 | 2.8 | 2.9 | | | |
| G176.0 | 2.4 | 2.7 | 2.6 | 2.5 | 2.7 | 2.9 | 3.1 | | | |
| G177.0 | 2.3 | 2.5 | 2.5 | 2.5 | 2.7 | 2.9 | 3.2 | | | |
| G178.0 | 2.1 | 2.2 | 2.5 | 2.4 | 2.6 | 2.8 | 3.0 | | | |
| G179.0 | 2.1 | 2.0 | 2.5 | 2.4 | 2.4 | 2.6 | 2.8 | | | |
| G180.0 | 2.1 | 2.1 | 2.3 | 2.2 | 2.2 | 2.4 | 2.7 | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

C Plane (°):0.0-360.0: 22.5
 Test Lab:
 Test Type: TYPE C
 Temperature: 28.4 °C
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-3000
 Distance: 14.040 m [K=1.0000]
 Humidity:
 Inspector: