

Report No.:

Test Time: 2022-5-26 17:38

Luminaire Property

Luminaire Manufacturer:
Luminaire Category:
Lamp Catalog:
Number of Lamps:
Luminous Length (mm):
Luminous Height (mm):
Current: 1.252 A
Power Factor: 0.998

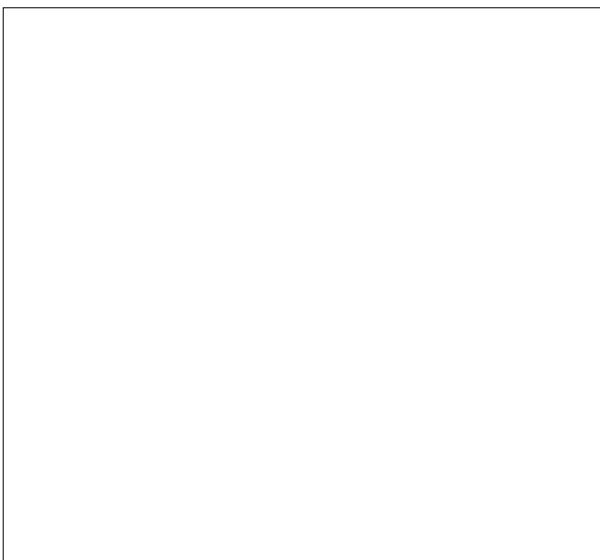
Luminaire Description:
Lamp Description:
Lumens per Lamp:
Luminous Width (mm):
Voltage: 120.0 V
Power: 149.92 W

Photometric Results

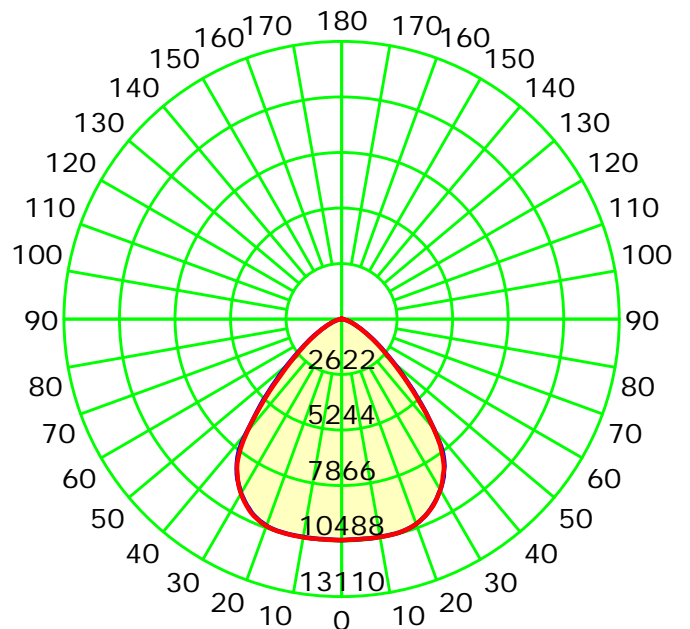
CIE Class: Direct
Measurement Flux: 20699.5 lm
Downward Ratio: 100%
Horizontal Diffuse Angle(10%,50%): H125.7,H88.1
Vertical Diffuse Angle(10%,50%): V125.2,V87.5
Luminaire Efficacy Rating (LER): 138.12
Max. Intensity: 10488.74 cd
S/MH(C0/C180): 1.31

Total Rated Lamp Lumens: 20699.5 lm
Efficiency: 100%
Upward Ratio: 0%
C0r0 Intensity: 10437.08 cd
Pos of Max. Intensity: H315 V13
S/MH(C90/C270): 1.30

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

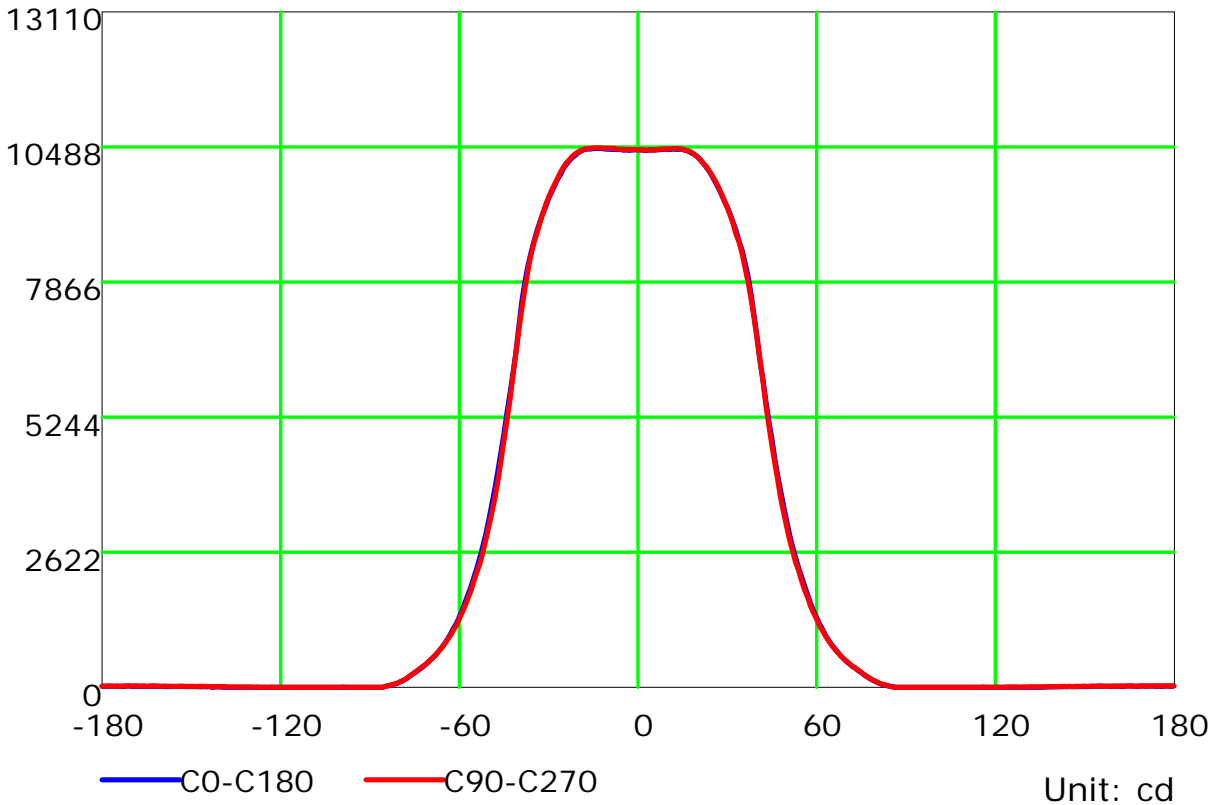
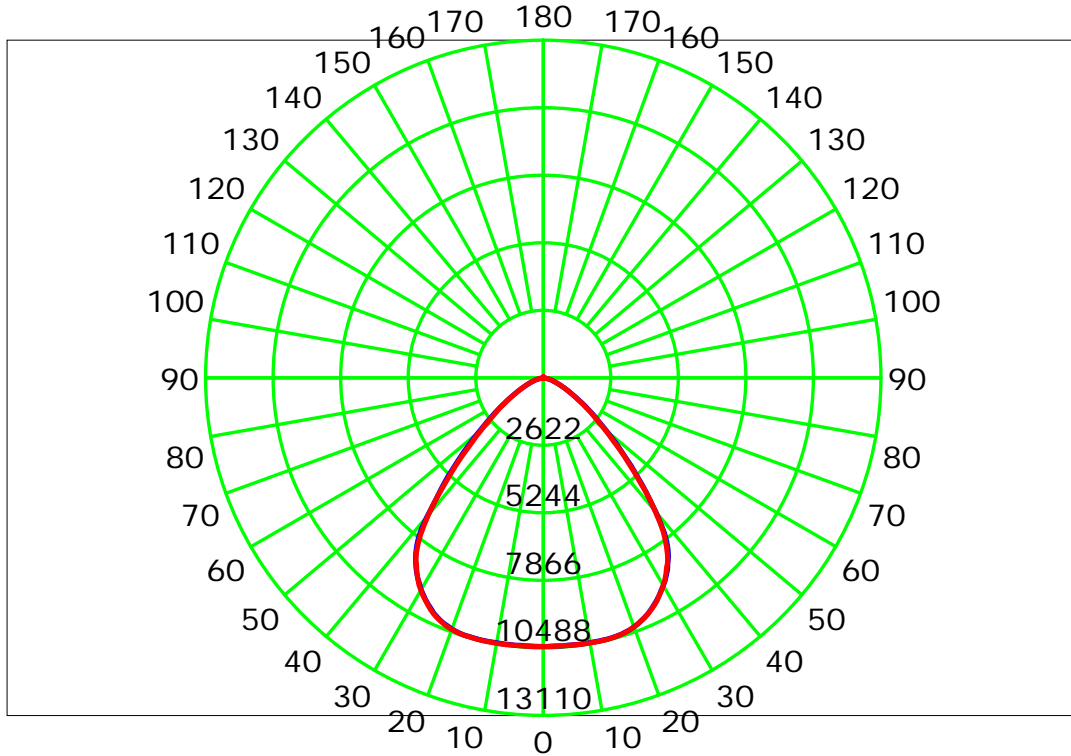
Average Diffuse Angle(50%): 87.8°

— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 25.4 °C
Operator:

Gamma Plane (°):0.0-180.0: 1.0
Test Device: GPM-3000
Distance: 14.140 m [K=1.0000]
Humidity:
Inspector:

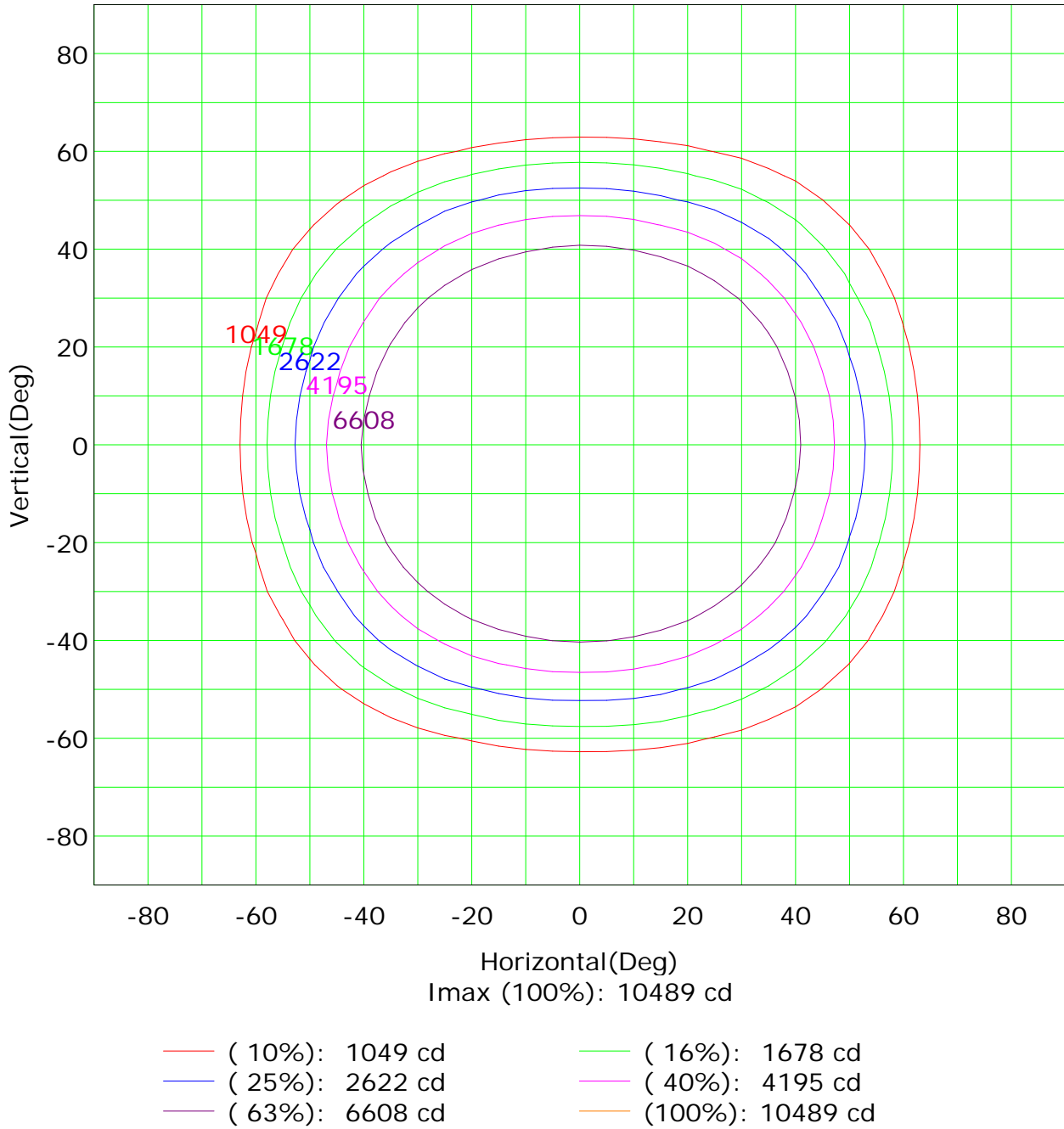
Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 22.5
 Test Lab:
 Test Type: TYPE C
 Temperature: 25.4 °C
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-3000
 Distance: 14.140 m [K=1.0000]
 Humidity:
 Inspector:

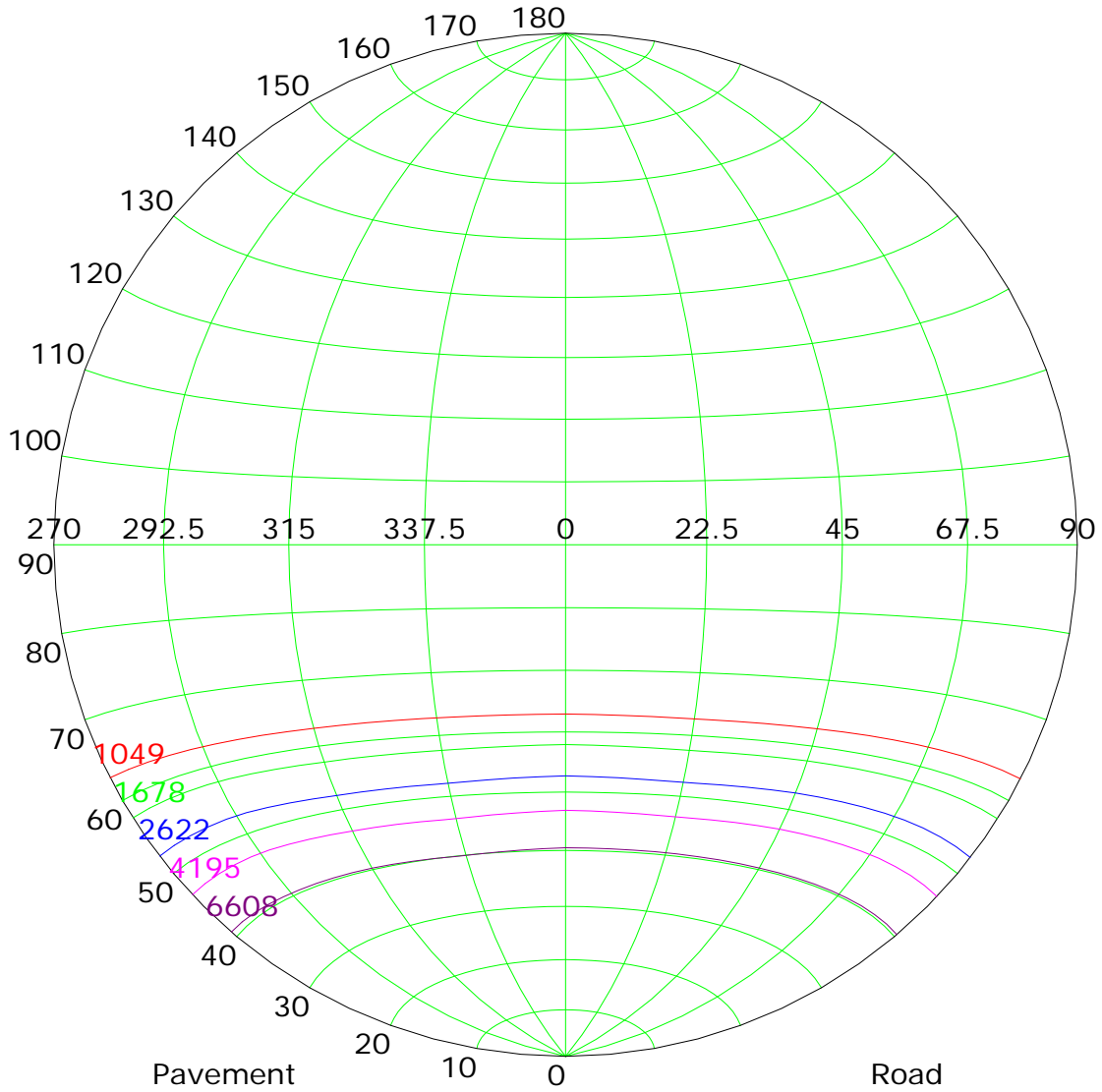
Isocandela (rectangle)



C Plane (°):0.0-360.0: 22.5
 Test Lab:
 Test Type: TYPE C
 Temperature: 25.4 'C
 Operator:

Gamma Plane (°):0.0-180.0: 1.0
 Test Device: GPM-3000
 Distance: 14.140 m [K=1.0000]
 Humidity:
 Inspector:

Isocandela (sphere)



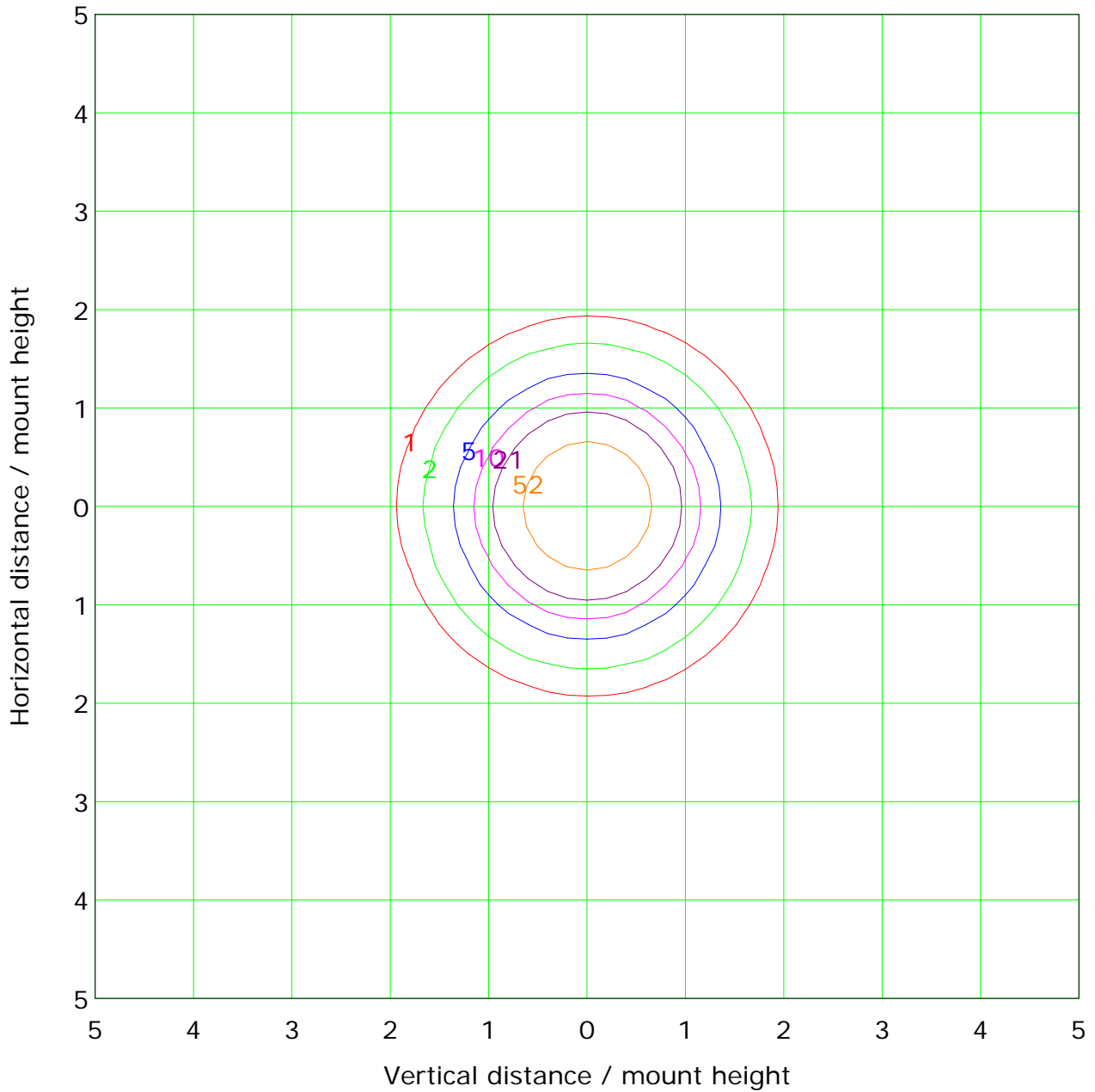
Imax (100%): 10489 cd

- | | |
|-------------------|--------------------|
| — (10%): 1049 cd | — (16%): 1678 cd |
| — (25%): 2622 cd | — (40%): 4195 cd |
| — (63%): 6608 cd | — (100%): 10489 cd |

CIE: narrow - short
CIE: Full-cut-off luminaire
Max.At90: 0.735 cd/klm

IES: Cut-off
Max.At80: 6.222 cd/klm
Max.80-90: 6.222 cd/klm

IsoLux Plot

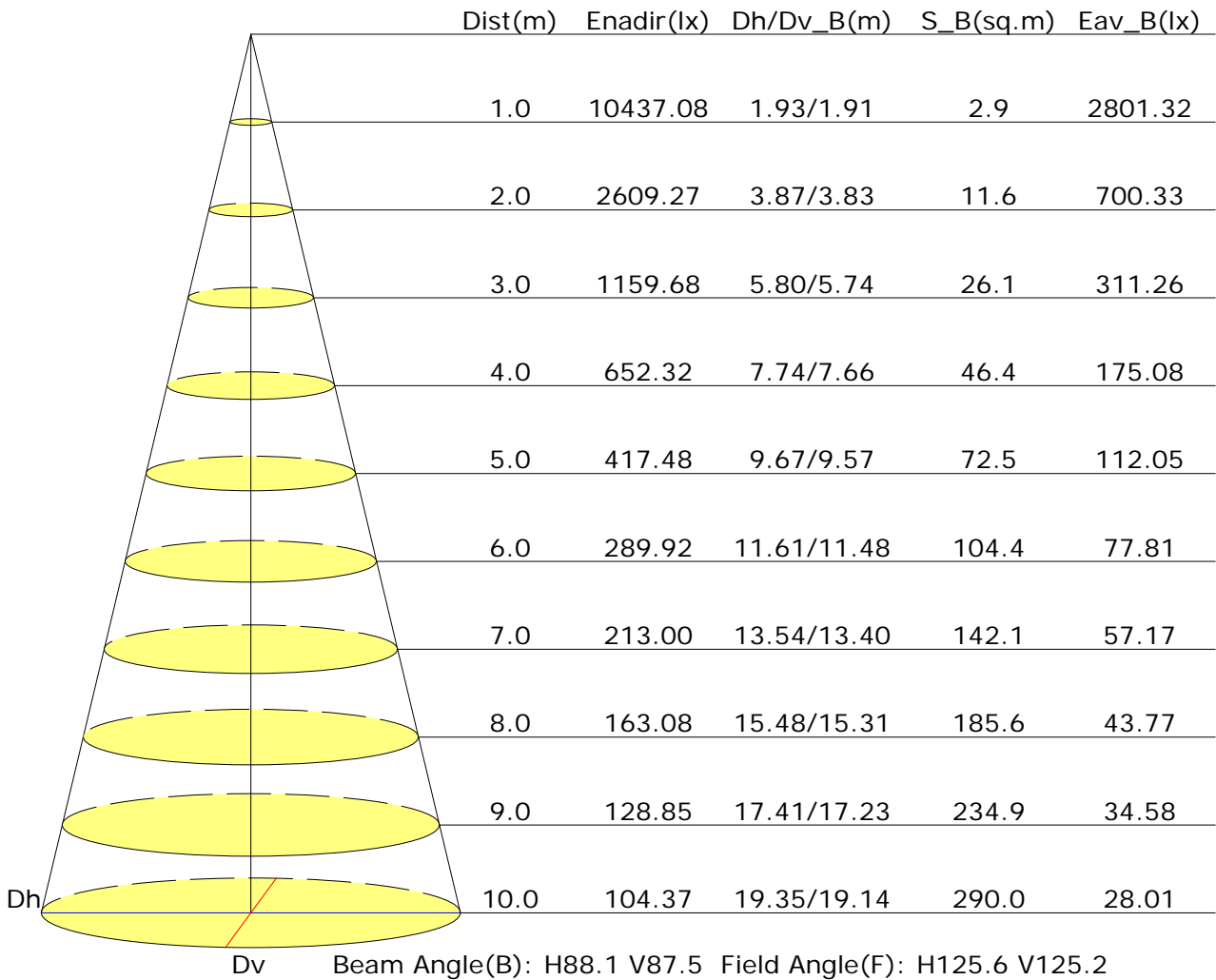


| | | |
|------------------------|----------|-------------------------|
| Mounting Height: 10.0m | | Max Lux(100%): 104.4 lx |
| — (1%): | 1.0 lx | — (2%): 2.1 lx |
| — (5%): | 5.2 lx | — (10%): 10.4 lx |
| — (20%): | 20.9 lx | — (50%): 52.2 lx |
| — (100%): | 104.4 lx | |

C Plane (°):0.0-360.0: 22.5
 Test Lab:
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 Temperature: 25.4 °C
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Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-3000
 Distance: 14.140 m [K=1.0000]
 Humidity:
 Inspector:

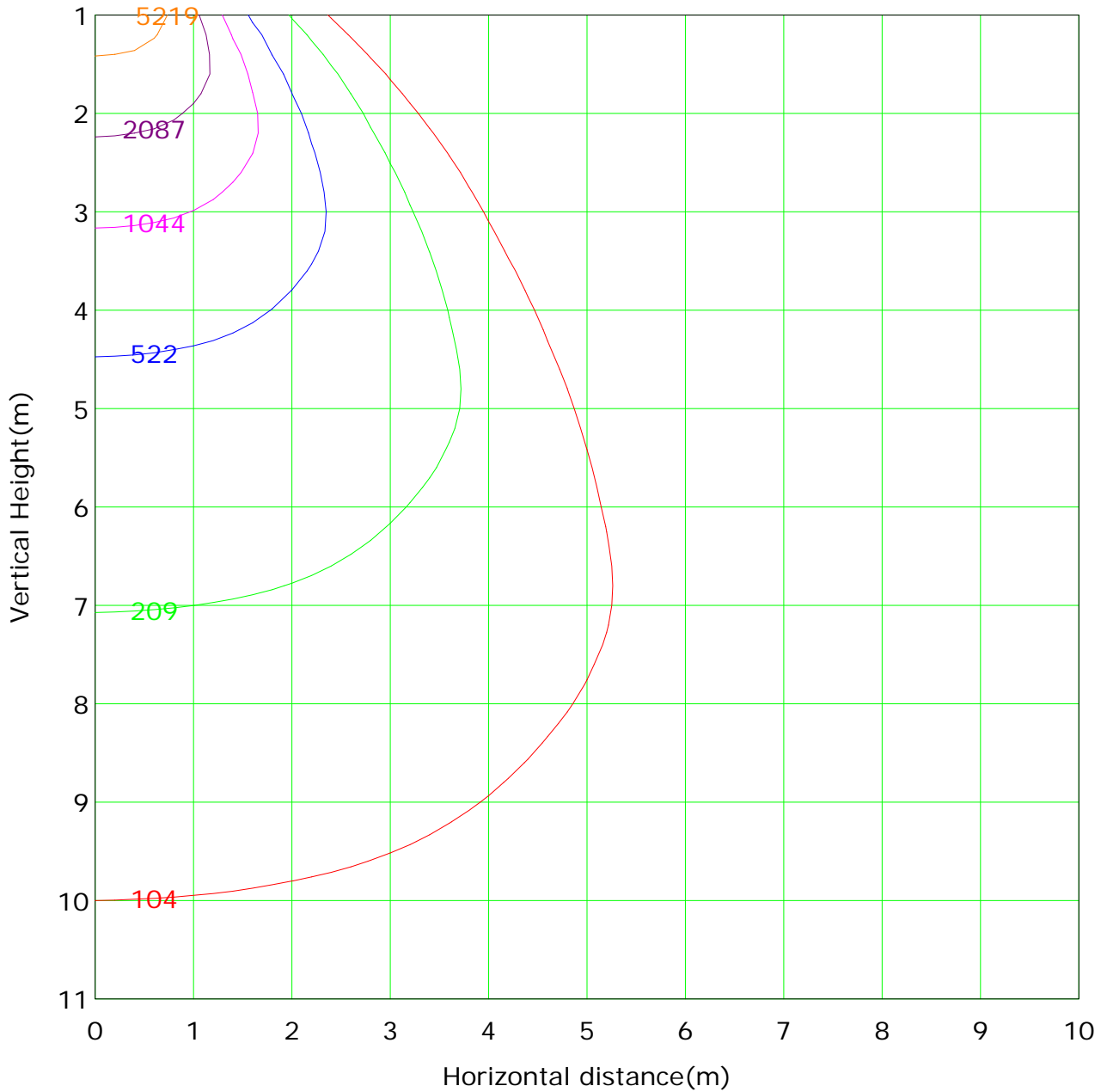
Illuminance at a Distance



C Plane (°):0.0-360.0: 22.5
 Test Lab:
 Test Type: TYPE C
 Temperature: 25.4 °C
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-3000
 Distance: 14.140 m [K=1.0000]
 Humidity:
 Inspector:

Vertical IsoLux Plot



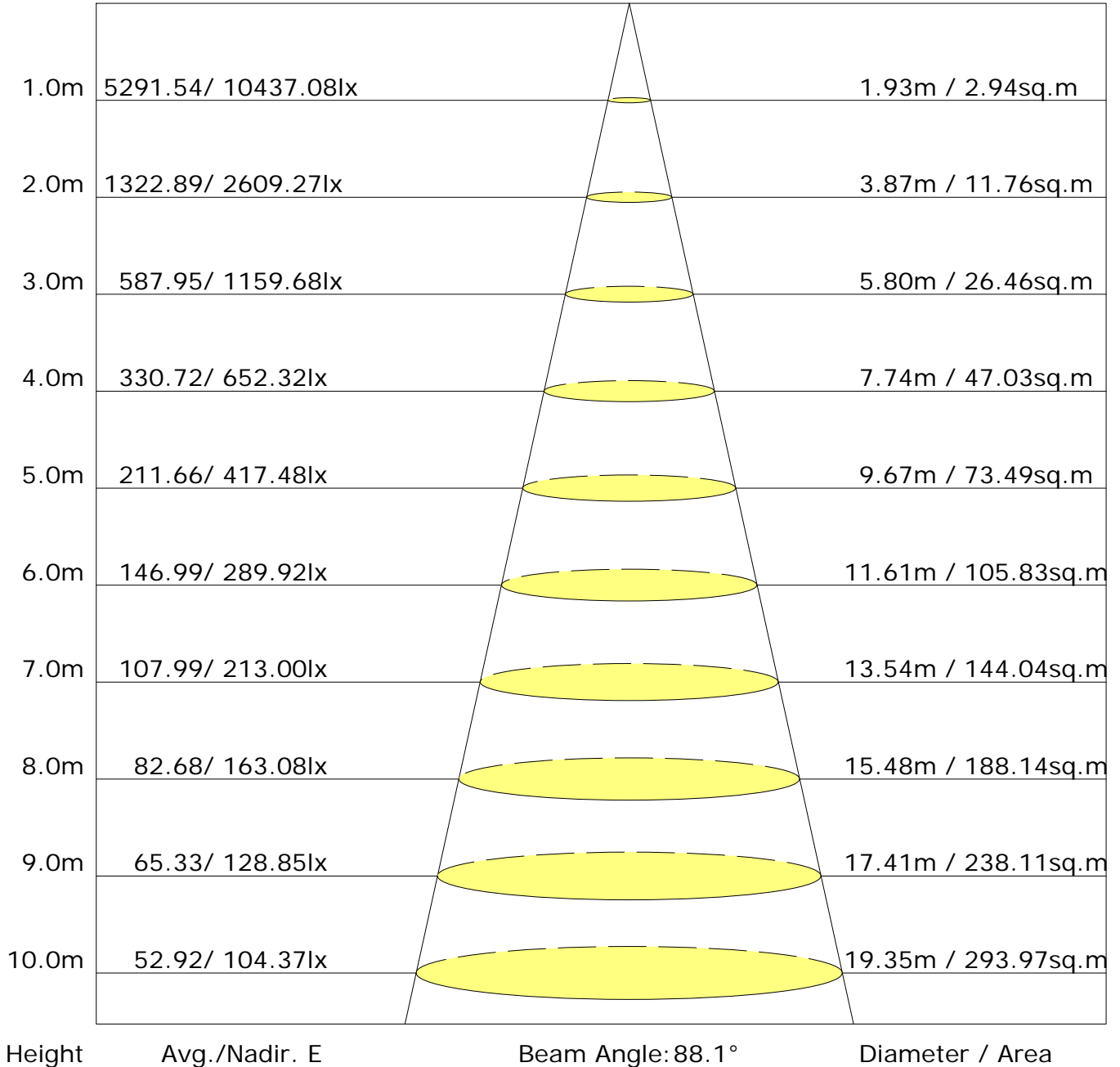
Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 10437.1 lx
 (1%): 104.4 lx (2%): 208.7 lx
 (5%): 521.9 lx (10%): 1043.7 lx
 (20%): 2087.4 lx (50%): 5218.5 lx
 (100%): 10437.1 lx

C Plane (°): 0.0-360.0: 22.5
 Test Lab:
 Test Type: TYPE C
 Temperature: 25.4 °C
 Operator:

Gamma Plane (°): 0.0-180.0: 1.0
 Test Device: GPM-3000
 Distance: 14.140 m [K=1.0000]
 Humidity:
 Inspector:

The Average Illuminance Effective Figure

Flux Out: 15555.36lm



C Plane (°):0.0-360.0: 22.5
 Test Lab:
 Test Type: TYPE C
 Temperature: 25.4 °C
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-3000
 Distance: 14.140 m [K=1.0000]
 Humidity:
 Inspector:

Zonal Lumen

| Gamma [°] | I _{mean} [cd] | Zonal Flux [lm] | Sum Zonal Flux [lm] | Rel Zonal Flux [%] | Sum Rel Zonal Flux [%] |
|--------------|---------------------------|--------------------|------------------------|-----------------------|---------------------------|
| 0.0-1.0 | 10437.4 | 10.0 | 10.0 | 0.05 | 0.05 |
| 1.0-2.0 | 10437.3 | 30.0 | 39.9 | 0.14 | 0.19 |
| 2.0-3.0 | 10436.7 | 49.9 | 89.9 | 0.24 | 0.43 |
| 3.0-4.0 | 10437.5 | 69.9 | 159.7 | 0.34 | 0.77 |
| 4.0-5.0 | 10439.4 | 89.8 | 249.6 | 0.43 | 1.21 |
| 5.0-6.0 | 10442.1 | 109.8 | 359.3 | 0.53 | 1.74 |
| 6.0-7.0 | 10445.9 | 129.7 | 489.0 | 0.63 | 2.36 |
| 7.0-8.0 | 10450.6 | 149.6 | 638.6 | 0.72 | 3.08 |
| 8.0-9.0 | 10454.8 | 169.5 | 808.0 | 0.82 | 3.90 |
| 9.0-10.0 | 10457.8 | 189.3 | 997.3 | 0.91 | 4.82 |
| 10.0-11.0 | 10460.8 | 209.0 | 1206.4 | 1.01 | 5.83 |
| 11.0-12.0 | 10463.4 | 228.8 | 1435.1 | 1.11 | 6.93 |
| 12.0-13.0 | 10464.5 | 248.4 | 1683.5 | 1.20 | 8.13 |
| 13.0-14.0 | 10463.5 | 267.9 | 1951.4 | 1.29 | 9.43 |
| 14.0-15.0 | 10459.9 | 287.2 | 2238.6 | 1.39 | 10.81 |
| 15.0-16.0 | 10452.7 | 306.3 | 2544.9 | 1.48 | 12.29 |
| 16.0-17.0 | 10440.7 | 325.2 | 2870.1 | 1.57 | 13.87 |
| 17.0-18.0 | 10421.9 | 343.7 | 3213.7 | 1.66 | 15.53 |
| 18.0-19.0 | 10395.2 | 361.7 | 3575.4 | 1.75 | 17.27 |
| 19.0-20.0 | 10360.7 | 379.3 | 3954.7 | 1.83 | 19.11 |
| 20.0-21.0 | 10316.4 | 396.2 | 4350.9 | 1.91 | 21.02 |
| 21.0-22.0 | 10261.8 | 412.4 | 4763.3 | 1.99 | 23.01 |
| 22.0-23.0 | 10197.4 | 427.9 | 5191.3 | 2.07 | 25.08 |
| 23.0-24.0 | 10123.5 | 442.7 | 5633.9 | 2.14 | 27.22 |
| 24.0-25.0 | 10038.9 | 456.5 | 6090.5 | 2.21 | 29.42 |
| 25.0-26.0 | 9942.5 | 469.4 | 6559.8 | 2.27 | 31.69 |
| 26.0-27.0 | 9835.1 | 481.2 | 7041.1 | 2.32 | 34.02 |
| 27.0-28.0 | 9718.5 | 492.1 | 7533.2 | 2.38 | 36.39 |
| 28.0-29.0 | 9594.8 | 502.1 | 8035.2 | 2.43 | 38.82 |
| 29.0-30.0 | 9462.6 | 511.0 | 8546.2 | 2.47 | 41.29 |
| 30.0-31.0 | 9321.1 | 518.8 | 9065.0 | 2.51 | 43.79 |
| 31.0-32.0 | 9167.0 | 525.2 | 9590.2 | 2.54 | 46.33 |
| 32.0-33.0 | 8996.5 | 530.1 | 10120.3 | 2.56 | 48.89 |
| 33.0-34.0 | 8820.0 | 533.8 | 10654.2 | 2.58 | 51.47 |
| 34.0-35.0 | 8627.8 | 535.9 | 11190.1 | 2.59 | 54.06 |
| 35.0-36.0 | 8400.6 | 535.0 | 11725.0 | 2.58 | 56.64 |

C Plane (°):0.0-360.0: 22.5
 Test Lab:
 Test Type: TYPE C
 Temperature: 25.4 °C
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-3000
 Distance: 14.140 m [K=1.0000]
 Humidity:
 Inspector:

Zonal Lumen (Continue 1)

| Gamma [°] | I _{mean} [cd] | Zonal Flux [lm] | Sum Zonal Flux [lm] | Rel Zonal Flux [%] | Sum Rel Zonal Flux [%] |
|--------------|---------------------------|--------------------|------------------------|-----------------------|---------------------------|
| 36.0-37.0 | 8136.8 | 530.8 | 12255.8 | 2.56 | 59.21 |
| 37.0-38.0 | 7830.1 | 522.7 | 12778.5 | 2.53 | 61.73 |
| 38.0-39.0 | 7469.5 | 509.9 | 13288.4 | 2.46 | 64.20 |
| 39.0-40.0 | 7057.9 | 492.3 | 13780.7 | 2.38 | 66.57 |
| 40.0-41.0 | 6624.2 | 471.8 | 14252.5 | 2.28 | 68.85 |
| 41.0-42.0 | 6198.0 | 450.4 | 14702.8 | 2.18 | 71.03 |
| 42.0-43.0 | 5777.5 | 428.0 | 15130.9 | 2.07 | 73.10 |
| 43.0-44.0 | 5370.1 | 405.4 | 15536.2 | 1.96 | 75.06 |
| 44.0-45.0 | 4983.4 | 383.0 | 15919.3 | 1.85 | 76.91 |
| 45.0-46.0 | 4607.6 | 360.4 | 16279.7 | 1.74 | 78.65 |
| 46.0-47.0 | 4250.7 | 338.1 | 16617.8 | 1.63 | 80.28 |
| 47.0-48.0 | 3912.3 | 316.3 | 16934.1 | 1.53 | 81.81 |
| 48.0-49.0 | 3599.7 | 295.7 | 17229.7 | 1.43 | 83.24 |
| 49.0-50.0 | 3317.1 | 276.6 | 17506.4 | 1.34 | 84.57 |
| 50.0-51.0 | 3053.9 | 258.4 | 17764.8 | 1.25 | 85.82 |
| 51.0-52.0 | 2808.9 | 241.1 | 18005.8 | 1.16 | 86.99 |
| 52.0-53.0 | 2584.9 | 224.9 | 18230.7 | 1.09 | 88.07 |
| 53.0-54.0 | 2382.5 | 210.0 | 18440.7 | 1.01 | 89.09 |
| 54.0-55.0 | 2194.3 | 195.9 | 18636.6 | 0.95 | 90.03 |
| 55.0-56.0 | 2012.3 | 181.9 | 18818.5 | 0.88 | 90.91 |
| 56.0-57.0 | 1843.1 | 168.5 | 18987.0 | 0.81 | 91.73 |
| 57.0-58.0 | 1687.3 | 156.1 | 19143.1 | 0.75 | 92.48 |
| 58.0-59.0 | 1541.2 | 144.1 | 19287.2 | 0.70 | 93.18 |
| 59.0-60.0 | 1407.3 | 133.0 | 19420.2 | 0.64 | 93.82 |
| 60.0-61.0 | 1281.6 | 122.3 | 19542.5 | 0.59 | 94.41 |
| 61.0-62.0 | 1168.0 | 112.6 | 19655.1 | 0.54 | 94.95 |
| 62.0-63.0 | 1065.8 | 103.7 | 19758.7 | 0.50 | 95.45 |
| 63.0-64.0 | 970.0 | 95.2 | 19853.9 | 0.46 | 95.91 |
| 64.0-65.0 | 881.9 | 87.3 | 19941.2 | 0.42 | 96.34 |
| 65.0-66.0 | 801.5 | 80.0 | 20021.2 | 0.39 | 96.72 |
| 66.0-67.0 | 729.5 | 73.4 | 20094.6 | 0.35 | 97.08 |
| 67.0-68.0 | 663.2 | 67.2 | 20161.7 | 0.32 | 97.40 |
| 68.0-69.0 | 601.0 | 61.3 | 20223.1 | 0.30 | 97.70 |
| 69.0-70.0 | 543.7 | 55.8 | 20278.9 | 0.27 | 97.97 |
| 70.0-71.0 | 491.4 | 50.8 | 20329.7 | 0.25 | 98.21 |
| 71.0-72.0 | 442.8 | 46.1 | 20375.8 | 0.22 | 98.44 |

C Plane (°):0.0-360.0: 22.5
 Test Lab:
 Test Type: TYPE C
 Temperature: 25.4 °C
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-3000
 Distance: 14.140 m [K=1.0000]
 Humidity:
 Inspector:

Zonal Lumen (Continue 2)

| Gamma [°] | I _{mean} [cd] | Zonal Flux [lm] | Sum Zonal Flux [lm] | Rel Zonal Flux [%] | Sum Rel Zonal Flux [%] |
|--------------|---------------------------|--------------------|------------------------|-----------------------|---------------------------|
| 72.0-73.0 | 399.3 | 41.8 | 20417.5 | 0.20 | 98.64 |
| 73.0-74.0 | 357.8 | 37.6 | 20455.1 | 0.18 | 98.82 |
| 74.0-75.0 | 315.1 | 33.3 | 20488.4 | 0.16 | 98.98 |
| 75.0-76.0 | 273.8 | 29.1 | 20517.5 | 0.14 | 99.12 |
| 76.0-77.0 | 234.2 | 25.0 | 20542.5 | 0.12 | 99.24 |
| 77.0-78.0 | 195.2 | 20.9 | 20563.4 | 0.10 | 99.34 |
| 78.0-79.0 | 159.7 | 17.2 | 20580.6 | 0.08 | 99.43 |
| 79.0-80.0 | 129.4 | 14.0 | 20594.5 | 0.07 | 99.49 |
| 80.0-81.0 | 101.9 | 11.0 | 20605.5 | 0.05 | 99.55 |
| 81.0-82.0 | 78.7 | 8.5 | 20614.1 | 0.04 | 99.59 |
| 82.0-83.0 | 62.0 | 6.7 | 20620.8 | 0.03 | 99.62 |
| 83.0-84.0 | 47.9 | 5.2 | 20626.0 | 0.03 | 99.64 |
| 84.0-85.0 | 33.5 | 3.7 | 20629.7 | 0.02 | 99.66 |
| 85.0-86.0 | 20.0 | 2.2 | 20631.9 | 0.01 | 99.67 |
| 86.0-87.0 | 9.9 | 1.1 | 20632.9 | 0.01 | 99.68 |
| 87.0-88.0 | 5.2 | 0.6 | 20633.5 | 0.00 | 99.68 |
| 88.0-89.0 | 4.5 | 0.5 | 20634.0 | 0.00 | 99.68 |
| 89.0-90.0 | 4.0 | 0.4 | 20634.4 | 0.00 | 99.69 |
| 90.0-91.0 | 3.5 | 0.4 | 20634.8 | 0.00 | 99.69 |
| 91.0-92.0 | 3.4 | 0.4 | 20635.2 | 0.00 | 99.69 |
| 92.0-93.0 | 3.1 | 0.3 | 20635.5 | 0.00 | 99.69 |
| 93.0-94.0 | 3.5 | 0.4 | 20635.9 | 0.00 | 99.69 |
| 94.0-95.0 | 3.3 | 0.4 | 20636.3 | 0.00 | 99.69 |
| 95.0-96.0 | 2.9 | 0.3 | 20636.6 | 0.00 | 99.70 |
| 96.0-97.0 | 3.4 | 0.4 | 20637.0 | 0.00 | 99.70 |
| 97.0-98.0 | 2.9 | 0.3 | 20637.3 | 0.00 | 99.70 |
| 98.0-99.0 | 3.5 | 0.4 | 20637.7 | 0.00 | 99.70 |
| 99.0-100.0 | 3.8 | 0.4 | 20638.1 | 0.00 | 99.70 |
| 100.0-101.0 | 3.0 | 0.3 | 20638.4 | 0.00 | 99.70 |
| 101.0-102.0 | 3.2 | 0.3 | 20638.7 | 0.00 | 99.71 |
| 102.0-103.0 | 2.5 | 0.3 | 20639.0 | 0.00 | 99.71 |
| 103.0-104.0 | 2.4 | 0.3 | 20639.3 | 0.00 | 99.71 |
| 104.0-105.0 | 3.4 | 0.4 | 20639.6 | 0.00 | 99.71 |
| 105.0-106.0 | 3.7 | 0.4 | 20640.0 | 0.00 | 99.71 |
| 106.0-107.0 | 3.3 | 0.3 | 20640.4 | 0.00 | 99.71 |
| 107.0-108.0 | 3.3 | 0.3 | 20640.7 | 0.00 | 99.72 |

C Plane (°):0.0-360.0: 22.5
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 Test Type: TYPE C
 Temperature: 25.4 °C
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-3000
 Distance: 14.140 m [K=1.0000]
 Humidity:
 Inspector:

Zonal Lumen (Continue 3)

| Gamma [°] | I _{mean} [cd] | Zonal Flux [lm] | Sum Zonal Flux [lm] | Rel Zonal Flux [%] | Sum Rel Zonal Flux [%] |
|--------------|---------------------------|--------------------|------------------------|-----------------------|---------------------------|
| 108.0-109.0 | 3.4 | 0.3 | 20641.1 | 0.00 | 99.72 |
| 109.0-110.0 | 3.5 | 0.4 | 20641.4 | 0.00 | 99.72 |
| 110.0-111.0 | 3.7 | 0.4 | 20641.8 | 0.00 | 99.72 |
| 111.0-112.0 | 3.8 | 0.4 | 20642.2 | 0.00 | 99.72 |
| 112.0-113.0 | 4.2 | 0.4 | 20642.6 | 0.00 | 99.73 |
| 113.0-114.0 | 4.0 | 0.4 | 20643.0 | 0.00 | 99.73 |
| 114.0-115.0 | 4.7 | 0.5 | 20643.5 | 0.00 | 99.73 |
| 115.0-116.0 | 5.6 | 0.5 | 20644.0 | 0.00 | 99.73 |
| 116.0-117.0 | 5.4 | 0.5 | 20644.6 | 0.00 | 99.73 |
| 117.0-118.0 | 5.0 | 0.5 | 20645.1 | 0.00 | 99.74 |
| 118.0-119.0 | 5.2 | 0.5 | 20645.6 | 0.00 | 99.74 |
| 119.0-120.0 | 5.7 | 0.5 | 20646.1 | 0.00 | 99.74 |
| 120.0-121.0 | 6.2 | 0.6 | 20646.7 | 0.00 | 99.74 |
| 121.0-122.0 | 7.3 | 0.7 | 20647.4 | 0.00 | 99.75 |
| 122.0-123.0 | 7.7 | 0.7 | 20648.1 | 0.00 | 99.75 |
| 123.0-124.0 | 8.1 | 0.7 | 20648.8 | 0.00 | 99.76 |
| 124.0-125.0 | 8.3 | 0.7 | 20649.6 | 0.00 | 99.76 |
| 125.0-126.0 | 8.0 | 0.7 | 20650.3 | 0.00 | 99.76 |
| 126.0-127.0 | 8.4 | 0.7 | 20651.0 | 0.00 | 99.77 |
| 127.0-128.0 | 9.4 | 0.8 | 20651.8 | 0.00 | 99.77 |
| 128.0-129.0 | 9.2 | 0.8 | 20652.6 | 0.00 | 99.77 |
| 129.0-130.0 | 9.8 | 0.8 | 20653.5 | 0.00 | 99.78 |
| 130.0-131.0 | 10.9 | 0.9 | 20654.4 | 0.00 | 99.78 |
| 131.0-132.0 | 11.5 | 0.9 | 20655.3 | 0.00 | 99.79 |
| 132.0-133.0 | 11.9 | 1.0 | 20656.3 | 0.00 | 99.79 |
| 133.0-134.0 | 12.0 | 1.0 | 20657.2 | 0.00 | 99.80 |
| 134.0-135.0 | 12.1 | 0.9 | 20658.2 | 0.00 | 99.80 |
| 135.0-136.0 | 12.5 | 1.0 | 20659.1 | 0.00 | 99.80 |
| 136.0-137.0 | 13.7 | 1.0 | 20660.2 | 0.01 | 99.81 |
| 137.0-138.0 | 14.9 | 1.1 | 20661.3 | 0.01 | 99.82 |
| 138.0-139.0 | 16.0 | 1.2 | 20662.4 | 0.01 | 99.82 |
| 139.0-140.0 | 16.4 | 1.2 | 20663.6 | 0.01 | 99.83 |
| 140.0-141.0 | 17.1 | 1.2 | 20664.8 | 0.01 | 99.83 |
| 141.0-142.0 | 18.2 | 1.2 | 20666.0 | 0.01 | 99.84 |
| 142.0-143.0 | 17.8 | 1.2 | 20667.2 | 0.01 | 99.84 |
| 143.0-144.0 | 18.8 | 1.2 | 20668.5 | 0.01 | 99.85 |

C Plane (°):0.0-360.0: 22.5
 Test Lab:
 Test Type: TYPE C
 Temperature: 25.4 °C
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-3000
 Distance: 14.140 m [K=1.0000]
 Humidity:
 Inspector:

Zonal Lumen (Continue 4)

| Gamma [°] | I _{mean} [cd] | Zonal Flux [lm] | Sum Zonal Flux [lm] | Rel Zonal Flux [%] | Sum Rel Zonal Flux [%] |
|--------------|---------------------------|--------------------|------------------------|-----------------------|---------------------------|
| 144.0-145.0 | 20.4 | 1.3 | 20669.8 | 0.01 | 99.86 |
| 145.0-146.0 | 20.8 | 1.3 | 20671.0 | 0.01 | 99.86 |
| 146.0-147.0 | 21.5 | 1.3 | 20672.3 | 0.01 | 99.87 |
| 147.0-148.0 | 22.0 | 1.3 | 20673.6 | 0.01 | 99.87 |
| 148.0-149.0 | 22.8 | 1.3 | 20674.9 | 0.01 | 99.88 |
| 149.0-150.0 | 23.9 | 1.3 | 20676.3 | 0.01 | 99.89 |
| 150.0-151.0 | 24.1 | 1.3 | 20677.6 | 0.01 | 99.89 |
| 151.0-152.0 | 24.8 | 1.3 | 20678.9 | 0.01 | 99.90 |
| 152.0-153.0 | 25.6 | 1.3 | 20680.2 | 0.01 | 99.91 |
| 153.0-154.0 | 25.9 | 1.3 | 20681.4 | 0.01 | 99.91 |
| 154.0-155.0 | 26.6 | 1.3 | 20682.7 | 0.01 | 99.92 |
| 155.0-156.0 | 26.5 | 1.2 | 20683.9 | 0.01 | 99.92 |
| 156.0-157.0 | 26.4 | 1.2 | 20685.1 | 0.01 | 99.93 |
| 157.0-158.0 | 26.7 | 1.1 | 20686.2 | 0.01 | 99.94 |
| 158.0-159.0 | 27.2 | 1.1 | 20687.3 | 0.01 | 99.94 |
| 159.0-160.0 | 27.7 | 1.1 | 20688.3 | 0.01 | 99.95 |
| 160.0-161.0 | 27.8 | 1.0 | 20689.4 | 0.00 | 99.95 |
| 161.0-162.0 | 28.7 | 1.0 | 20690.4 | 0.00 | 99.96 |
| 162.0-163.0 | 29.2 | 1.0 | 20691.3 | 0.00 | 99.96 |
| 163.0-164.0 | 28.5 | 0.9 | 20692.2 | 0.00 | 99.96 |
| 164.0-165.0 | 28.7 | 0.8 | 20693.0 | 0.00 | 99.97 |
| 165.0-166.0 | 29.5 | 0.8 | 20693.9 | 0.00 | 99.97 |
| 166.0-167.0 | 29.3 | 0.8 | 20694.6 | 0.00 | 99.98 |
| 167.0-168.0 | 29.9 | 0.7 | 20695.3 | 0.00 | 99.98 |
| 168.0-169.0 | 30.5 | 0.7 | 20696.0 | 0.00 | 99.98 |
| 169.0-170.0 | 30.9 | 0.6 | 20696.6 | 0.00 | 99.99 |
| 170.0-171.0 | 31.2 | 0.6 | 20697.2 | 0.00 | 99.99 |
| 171.0-172.0 | 30.7 | 0.5 | 20697.7 | 0.00 | 99.99 |
| 172.0-173.0 | 30.7 | 0.4 | 20698.1 | 0.00 | 99.99 |
| 173.0-174.0 | 30.4 | 0.4 | 20698.5 | 0.00 | 99.99 |
| 174.0-175.0 | 30.5 | 0.3 | 20698.8 | 0.00 | 100.00 |
| 175.0-176.0 | 30.7 | 0.3 | 20699.1 | 0.00 | 100.00 |
| 176.0-177.0 | 30.3 | 0.2 | 20699.3 | 0.00 | 100.00 |
| 177.0-178.0 | 29.5 | 0.1 | 20699.4 | 0.00 | 100.00 |
| 178.0-179.0 | 29.1 | 0.1 | 20699.5 | 0.00 | 100.00 |
| 179.0-180.0 | 29.7 | 0.0 | 20699.5 | 0.00 | 100.00 |

C Plane (°):0.0-360.0: 22.5
 Test Lab:
 Test Type: TYPE C
 Temperature: 25.4 °C
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-3000
 Distance: 14.140 m [K=1.0000]
 Humidity:
 Inspector:

Zonal Lumen (Continue 5)

cone flux(90°): 15919.27 lm

%lum = 76.9%

%lamp = 76.9%

cone flux(120°): 19420.16 lm

%lum = 93.8%

%lamp = 93.8%

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 25.4 'C

Operator:

Gamma Plane (°):0.0-180.0: 1.0

Test Device: GPM-3000

Distance: 14.140 m [K=1.0000]

Humidity:

Inspector:

Candlepower Table

Unit: cd

| GVC | C0.0 | C22.5 | C45.0 | C67.5 | C90.0 | C112.5 | C135.0 | C157.5 | C180.0 | C202.5 |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| G0.0 | 10437.1 | 10437.1 | 10437.1 | 10437.1 | 10437.1 | 10437.1 | 10437.1 | 10437.1 | 10437.1 | 10437.1 |
| G1.0 | 10434.0 | 10429.4 | 10436.4 | 10437.8 | 10435.7 | 10435.0 | 10437.1 | 10435.7 | 10434.3 | 10445.1 |
| G2.0 | 10426.0 | 10428.0 | 10434.6 | 10433.2 | 10434.6 | 10436.0 | 10437.1 | 10436.7 | 10431.5 | 10442.0 |
| G3.0 | 10423.2 | 10430.1 | 10436.7 | 10436.4 | 10428.6 | 10432.9 | 10440.3 | 10434.6 | 10425.3 | 10442.3 |
| G4.0 | 10434.0 | 10426.3 | 10433.2 | 10433.9 | 10429.3 | 10435.7 | 10437.4 | 10441.0 | 10431.9 | 10437.4 |
| G5.0 | 10428.4 | 10417.6 | 10438.1 | 10436.4 | 10435.3 | 10437.8 | 10442.7 | 10437.1 | 10428.8 | 10448.6 |
| G6.0 | 10430.5 | 10421.0 | 10444.1 | 10441.6 | 10437.4 | 10448.4 | 10450.9 | 10438.8 | 10443.3 | 10439.9 |
| G7.0 | 10438.1 | 10424.5 | 10448.3 | 10449.4 | 10444.1 | 10441.0 | 10447.7 | 10439.9 | 10439.9 | 10448.2 |
| G8.0 | 10441.2 | 10435.0 | 10451.8 | 10450.1 | 10449.1 | 10451.6 | 10453.7 | 10444.5 | 10444.7 | 10451.4 |
| G9.0 | 10442.6 | 10435.3 | 10458.1 | 10456.4 | 10451.2 | 10457.2 | 10452.6 | 10450.2 | 10445.1 | 10452.8 |
| G10.0 | 10439.9 | 10441.3 | 10456.3 | 10456.4 | 10450.1 | 10456.5 | 10465.0 | 10452.7 | 10445.4 | 10456.2 |
| G11.0 | 10444.0 | 10442.0 | 10453.5 | 10457.5 | 10457.9 | 10455.4 | 10465.0 | 10458.0 | 10451.0 | 10461.1 |
| G12.0 | 10449.2 | 10438.5 | 10453.2 | 10458.2 | 10460.3 | 10465.0 | 10469.3 | 10461.5 | 10457.9 | 10462.5 |
| G13.0 | 10444.4 | 10439.2 | 10443.7 | 10450.4 | 10462.1 | 10461.8 | 10479.9 | 10461.5 | 10461.0 | 10453.1 |
| G14.0 | 10447.8 | 10435.7 | 10440.9 | 10450.1 | 10454.7 | 10466.0 | 10474.6 | 10463.3 | 10462.1 | 10454.5 |
| G15.0 | 10439.2 | 10427.3 | 10430.4 | 10438.1 | 10445.2 | 10450.5 | 10469.6 | 10458.7 | 10458.6 | 10453.1 |
| G16.0 | 10424.6 | 10411.6 | 10414.7 | 10420.6 | 10429.7 | 10445.2 | 10466.1 | 10452.7 | 10451.3 | 10459.4 |
| G17.0 | 10405.9 | 10396.3 | 10385.6 | 10396.0 | 10412.4 | 10426.5 | 10445.2 | 10439.2 | 10450.3 | 10442.3 |
| G18.0 | 10373.3 | 10360.1 | 10354.8 | 10363.6 | 10390.2 | 10398.6 | 10415.9 | 10422.2 | 10439.5 | 10438.5 |
| G19.0 | 10346.2 | 10321.1 | 10314.6 | 10320.8 | 10339.8 | 10365.1 | 10381.2 | 10393.6 | 10414.5 | 10410.3 |
| G20.0 | 10295.6 | 10266.4 | 10258.9 | 10271.6 | 10299.3 | 10314.3 | 10349.0 | 10362.8 | 10386.1 | 10392.5 |
| G21.0 | 10240.1 | 10211.3 | 10199.7 | 10206.9 | 10243.2 | 10262.1 | 10294.2 | 10317.5 | 10331.0 | 10354.5 |
| G22.0 | 10167.6 | 10146.5 | 10130.4 | 10140.9 | 10169.9 | 10197.2 | 10235.4 | 10263.7 | 10289.0 | 10309.2 |
| G23.0 | 10096.5 | 10068.8 | 10056.6 | 10062.9 | 10110.7 | 10125.2 | 10155.5 | 10194.7 | 10228.0 | 10245.8 |
| G24.0 | 10012.6 | 9989.7 | 9968.7 | 9978.9 | 10020.8 | 10035.2 | 10079.4 | 10116.5 | 10158.6 | 10180.3 |
| G25.0 | 9912.4 | 9883.1 | 9877.0 | 9882.9 | 9926.0 | 9935.3 | 9983.2 | 10026.3 | 10077.4 | 10104.7 |
| G26.0 | 9805.6 | 9789.4 | 9761.5 | 9778.2 | 9828.7 | 9839.4 | 9881.3 | 9927.6 | 9963.4 | 10010.3 |
| G27.0 | 9696.0 | 9673.1 | 9648.7 | 9665.5 | 9719.8 | 9720.5 | 9766.7 | 9817.5 | 9864.5 | 9902.3 |
| G28.0 | 9578.7 | 9548.7 | 9529.0 | 9546.3 | 9580.2 | 9595.2 | 9647.4 | 9699.0 | 9747.3 | 9798.1 |
| G29.0 | 9440.7 | 9422.9 | 9403.0 | 9413.2 | 9456.9 | 9460.1 | 9525.4 | 9577.3 | 9621.7 | 9672.0 |
| G30.0 | 9319.0 | 9296.8 | 9260.5 | 9283.5 | 9316.9 | 9326.3 | 9392.0 | 9430.4 | 9494.8 | 9541.4 |
| G31.0 | 9181.7 | 9149.4 | 9129.6 | 9135.2 | 9167.8 | 9173.9 | 9232.4 | 9287.1 | 9335.6 | 9397.8 |
| G32.0 | 9021.8 | 8978.7 | 8967.2 | 8982.4 | 8990.2 | 9025.7 | 9084.2 | 9126.1 | 9195.2 | 9246.6 |
| G33.0 | 8863.3 | 8803.1 | 8777.4 | 8783.1 | 8790.7 | 8844.0 | 8906.2 | 8946.7 | 9032.5 | 9062.3 |
| G34.0 | 8646.9 | 8641.8 | 8609.4 | 8625.0 | 8640.2 | 8693.0 | 8740.0 | 8805.5 | 8854.3 | 8882.6 |
| G35.0 | 8481.1 | 8405.6 | 8387.1 | 8409.6 | 8411.8 | 8471.8 | 8512.8 | 8562.8 | 8645.8 | 8684.7 |
| G36.0 | 8237.3 | 8165.2 | 8145.2 | 8166.5 | 8140.4 | 8217.0 | 8270.1 | 8329.6 | 8430.5 | 8472.2 |

C Plane (°):0.0-360.0: 22.5
 Test Lab:
 Test Type: TYPE C
 Temperature: 25.4 °C
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-3000
 Distance: 14.140 m [K=1.0000]
 Humidity:
 Inspector:

Candlepower Table (Continue 1)

Unit: cd

| GVC | C0.0 | C22.5 | C45.0 | C67.5 | C90.0 | C112.5 | C135.0 | C157.5 | C180.0 | C202.5 |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| G37.0 | 7969.9 | 7878.5 | 7863.1 | 7875.9 | 7858.4 | 7935.4 | 7979.7 | 8046.9 | 8176.3 | 8205.6 |
| G38.0 | 7635.6 | 7554.1 | 7508.8 | 7537.5 | 7549.6 | 7641.2 | 7648.2 | 7716.8 | 7881.5 | 7870.8 |
| G39.0 | 7216.0 | 7180.7 | 7135.7 | 7143.6 | 7170.0 | 7206.5 | 7290.8 | 7318.4 | 7508.3 | 7494.9 |
| G40.0 | 6799.1 | 6776.5 | 6718.4 | 6710.3 | 6755.5 | 6752.3 | 6879.7 | 6931.6 | 7011.7 | 7074.1 |
| G41.0 | 6336.5 | 6342.4 | 6283.3 | 6300.6 | 6362.5 | 6351.2 | 6414.9 | 6479.4 | 6516.1 | 6638.6 |
| G42.0 | 5964.3 | 5943.9 | 5910.8 | 5885.3 | 5930.4 | 5933.1 | 5991.0 | 6074.3 | 6098.9 | 6197.5 |
| G43.0 | 5554.4 | 5493.4 | 5500.9 | 5516.3 | 5472.9 | 5522.0 | 5576.4 | 5640.1 | 5717.8 | 5725.8 |
| G44.0 | 5160.5 | 5088.2 | 5128.4 | 5101.4 | 5074.2 | 5169.9 | 5179.4 | 5270.4 | 5345.0 | 5302.2 |
| G45.0 | 4811.9 | 4681.0 | 4753.5 | 4737.3 | 4686.5 | 4795.1 | 4802.7 | 4859.2 | 4932.6 | 4892.8 |
| G46.0 | 4428.0 | 4336.1 | 4389.8 | 4383.5 | 4346.7 | 4440.5 | 4410.7 | 4507.9 | 4585.8 | 4489.7 |
| G47.0 | 4088.1 | 3984.9 | 4086.3 | 4085.5 | 4003.0 | 4110.3 | 4069.6 | 4136.0 | 4224.4 | 4130.9 |
| G48.0 | 3797.2 | 3638.6 | 3757.9 | 3758.4 | 3661.1 | 3784.2 | 3751.2 | 3798.4 | 3895.7 | 3746.2 |
| G49.0 | 3495.4 | 3363.0 | 3472.3 | 3475.2 | 3377.7 | 3492.8 | 3451.2 | 3503.3 | 3586.0 | 3443.1 |
| G50.0 | 3212.1 | 3102.1 | 3206.2 | 3210.6 | 3098.6 | 3226.4 | 3191.2 | 3231.9 | 3278.3 | 3163.0 |
| G51.0 | 2949.9 | 2848.4 | 2946.5 | 2951.6 | 2850.5 | 2978.3 | 2915.9 | 2973.6 | 3012.7 | 2907.3 |
| G52.0 | 2711.0 | 2617.8 | 2717.9 | 2699.7 | 2631.6 | 2746.9 | 2693.4 | 2732.0 | 2769.9 | 2655.4 |
| G53.0 | 2513.3 | 2422.4 | 2502.9 | 2493.0 | 2422.9 | 2518.9 | 2482.9 | 2504.8 | 2551.4 | 2435.3 |
| G54.0 | 2312.1 | 2237.4 | 2307.6 | 2280.8 | 2260.1 | 2325.9 | 2299.3 | 2313.7 | 2343.7 | 2243.6 |
| G55.0 | 2134.9 | 2049.9 | 2104.6 | 2110.0 | 2059.9 | 2140.7 | 2114.2 | 2138.6 | 2157.5 | 2049.9 |
| G56.0 | 1966.0 | 1884.1 | 1930.9 | 1923.8 | 1886.1 | 1971.3 | 1921.1 | 1940.4 | 1975.1 | 1860.1 |
| G57.0 | 1795.1 | 1728.0 | 1778.7 | 1748.1 | 1747.6 | 1790.7 | 1766.8 | 1781.9 | 1814.5 | 1710.6 |
| G58.0 | 1633.4 | 1556.6 | 1612.0 | 1598.4 | 1573.1 | 1631.9 | 1629.5 | 1626.9 | 1669.2 | 1592.5 |
| G59.0 | 1476.3 | 1430.1 | 1464.3 | 1458.9 | 1443.7 | 1492.5 | 1491.2 | 1484.0 | 1507.6 | 1473.3 |
| G60.0 | 1355.0 | 1317.3 | 1316.6 | 1327.5 | 1326.0 | 1369.4 | 1356.8 | 1354.8 | 1367.1 | 1337.8 |
| G61.0 | 1231.5 | 1169.9 | 1199.0 | 1209.1 | 1189.6 | 1250.8 | 1237.5 | 1225.3 | 1244.0 | 1223.5 |
| G62.0 | 1124.7 | 1071.6 | 1103.7 | 1089.6 | 1099.4 | 1134.7 | 1124.3 | 1122.0 | 1144.8 | 1125.0 |
| G63.0 | 1011.6 | 969.9 | 1009.2 | 990.2 | 1002.8 | 1026.8 | 1029.5 | 1029.0 | 1040.4 | 1035.4 |
| G64.0 | 921.1 | 886.3 | 901.1 | 900.6 | 906.2 | 930.1 | 948.2 | 934.8 | 932.9 | 953.2 |
| G65.0 | 831.6 | 807.9 | 815.3 | 819.8 | 825.5 | 848.9 | 848.0 | 848.8 | 845.5 | 865.8 |
| G66.0 | 761.9 | 749.4 | 741.8 | 746.7 | 751.8 | 772.7 | 775.9 | 778.8 | 770.9 | 780.4 |
| G67.0 | 691.5 | 678.3 | 679.5 | 677.1 | 682.7 | 697.2 | 711.1 | 712.3 | 694.7 | 718.7 |
| G68.0 | 618.0 | 625.0 | 615.8 | 610.7 | 621.8 | 630.9 | 642.5 | 645.4 | 625.6 | 653.9 |
| G69.0 | 559.4 | 564.7 | 563.9 | 552.0 | 564.3 | 573.7 | 578.4 | 586.0 | 570.1 | 589.8 |
| G70.0 | 502.9 | 508.6 | 504.4 | 497.9 | 509.3 | 518.0 | 525.4 | 532.2 | 513.3 | 537.9 |
| G71.0 | 458.1 | 458.1 | 454.4 | 449.1 | 464.2 | 464.3 | 473.7 | 480.5 | 462.3 | 487.4 |
| G72.0 | 407.5 | 422.6 | 409.6 | 403.4 | 411.0 | 415.6 | 432.7 | 430.3 | 410.3 | 435.1 |
| G73.0 | 373.2 | 375.9 | 371.4 | 370.0 | 376.8 | 386.4 | 388.1 | 392.8 | 367.3 | 387.4 |

C Plane (°):0.0-360.0: 22.5
 Test Lab:
 Test Type: TYPE C
 Temperature: 25.4 °C
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-3000
 Distance: 14.140 m [K=1.0000]
 Humidity:
 Inspector:

Candlepower Table (Continue 2)

Unit: cd

| GVC | C0.0 | C22.5 | C45.0 | C67.5 | C90.0 | C112.5 | C135.0 | C157.5 | C180.0 | C202.5 |
|--------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| G74.0 | 325.0 | 330.6 | 331.5 | 326.8 | 334.5 | 340.1 | 349.5 | 354.2 | 324.3 | 345.9 |
| G75.0 | 286.5 | 290.6 | 291.6 | 287.1 | 290.4 | 300.6 | 304.6 | 310.0 | 281.3 | 297.5 |
| G76.0 | 242.1 | 256.4 | 254.1 | 248.1 | 251.0 | 260.4 | 263.2 | 271.4 | 245.5 | 252.2 |
| G77.0 | 204.6 | 215.0 | 215.3 | 211.2 | 205.1 | 220.9 | 229.3 | 232.8 | 199.1 | 220.2 |
| G78.0 | 166.5 | 178.4 | 175.7 | 170.8 | 176.6 | 181.4 | 187.2 | 191.4 | 163.7 | 173.2 |
| G79.0 | 135.9 | 145.6 | 141.8 | 147.2 | 141.7 | 149.6 | 157.8 | 160.6 | 128.0 | 144.6 |
| G80.0 | 105.8 | 117.1 | 118.7 | 113.5 | 113.5 | 118.9 | 126.7 | 128.8 | 103.7 | 116.0 |
| G81.0 | 81.5 | 91.3 | 91.4 | 89.6 | 85.7 | 93.1 | 93.4 | 106.1 | 72.1 | 91.3 |
| G82.0 | 59.0 | 63.4 | 69.7 | 67.5 | 63.4 | 66.0 | 79.6 | 87.0 | 62.4 | 68.3 |
| G83.0 | 47.2 | 57.5 | 58.1 | 53.4 | 49.0 | 58.6 | 58.0 | 75.4 | 40.2 | 57.8 |
| G84.0 | 26.4 | 42.9 | 47.6 | 40.1 | 32.1 | 41.6 | 33.6 | 54.5 | 31.9 | 44.9 |
| G85.0 | 19.4 | 30.3 | 37.5 | 25.0 | 13.4 | 28.9 | 29.7 | 44.6 | 16.6 | 26.1 |
| G86.0 | 8.7 | 19.5 | 18.2 | 20.0 | 0.0 | 20.1 | 14.2 | 24.8 | 0.0 | 15.7 |
| G87.0 | 0.0 | 0.0 | 10.2 | 10.9 | 0.0 | 14.1 | 13.4 | 18.4 | 0.0 | 0.0 |
| G88.0 | 0.0 | 9.4 | 0.0 | 9.5 | 0.0 | 0.0 | 0.0 | 15.6 | 0.0 | 0.0 |
| G89.0 | 0.0 | 0.0 | 10.9 | 0.0 | 0.0 | 8.5 | 7.8 | 13.8 | 0.0 | 0.0 |
| G90.0 | 0.0 | 0.0 | 9.1 | 7.4 | 0.0 | 0.0 | 0.0 | 13.1 | 0.0 | 0.0 |
| G91.0 | 0.0 | 0.0 | 9.1 | 0.0 | 0.0 | 7.8 | 7.8 | 12.4 | 0.0 | 0.0 |
| G92.0 | 0.0 | 0.0 | 9.1 | 0.0 | 0.0 | 0.0 | 0.0 | 16.3 | 0.0 | 0.0 |
| G93.0 | 0.0 | 0.0 | 9.5 | 0.0 | 0.0 | 7.8 | 0.0 | 12.7 | 0.0 | 0.0 |
| G94.0 | 0.0 | 0.0 | 10.5 | 7.4 | 0.0 | 0.0 | 11.7 | 11.7 | 0.0 | 0.0 |
| G95.0 | 0.0 | 0.0 | 11.9 | 8.1 | 0.0 | 0.0 | 0.0 | 10.3 | 0.0 | 0.0 |
| G96.0 | 0.0 | 0.0 | 8.1 | 0.0 | 0.0 | 0.0 | 7.4 | 14.2 | 0.0 | 0.0 |
| G97.0 | 0.0 | 0.0 | 7.0 | 8.4 | 0.0 | 8.1 | 0.0 | 14.9 | 0.0 | 0.0 |
| G98.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.1 | 0.0 | 11.0 | 0.0 | 0.0 |
| G99.0 | 0.0 | 8.4 | 7.7 | 7.4 | 0.0 | 8.8 | 0.0 | 14.9 | 0.0 | 0.0 |
| G100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.8 | 0.0 | 15.9 | 0.0 | 0.0 |
| G101.0 | 0.0 | 0.0 | 10.5 | 0.0 | 0.0 | 8.5 | 0.0 | 13.1 | 0.0 | 0.0 |
| G102.0 | 0.0 | 0.0 | 11.6 | 0.0 | 0.0 | 8.5 | 7.8 | 8.8 | 0.0 | 0.0 |
| G103.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13.4 | 0.0 | 0.0 |
| G104.0 | 0.0 | 0.0 | 10.9 | 0.0 | 0.0 | 0.0 | 0.0 | 11.3 | 0.0 | 0.0 |
| G105.0 | 0.0 | 0.0 | 7.7 | 0.0 | 0.0 | 8.1 | 7.1 | 11.7 | 0.0 | 0.0 |
| G106.0 | 0.0 | 0.0 | 9.8 | 0.0 | 0.0 | 8.1 | 8.8 | 13.4 | 0.0 | 0.0 |
| G107.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.4 | 0.0 | 14.9 | 0.0 | 0.0 |
| G108.0 | 0.0 | 0.0 | 9.5 | 7.7 | 0.0 | 9.2 | 0.0 | 10.6 | 0.0 | 0.0 |
| G109.0 | 0.0 | 0.0 | 9.8 | 0.0 | 0.0 | 0.0 | 9.2 | 11.7 | 0.0 | 0.0 |
| G110.0 | 0.0 | 7.7 | 7.3 | 0.0 | 0.0 | 13.4 | 0.0 | 11.7 | 0.0 | 0.0 |

C Plane (°):0.0-360.0: 22.5
 Test Lab:
 Test Type: TYPE C
 Temperature: 25.4 'C
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-3000
 Distance: 14.140 m [K=1.0000]
 Humidity:
 Inspector:

Candlepower Table (Continue 3)

Unit: cd

| GVC | C0.0 | C22.5 | C45.0 | C67.5 | C90.0 | C112.5 | C135.0 | C157.5 | C180.0 | C202.5 |
|--------|------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| G111.0 | 0.0 | 0.0 | 7.3 | 8.4 | 0.0 | 0.0 | 8.1 | 11.7 | 0.0 | 0.0 |
| G112.0 | 0.0 | 0.0 | 9.5 | 9.5 | 0.0 | 10.2 | 0.0 | 9.6 | 0.0 | 0.0 |
| G113.0 | 0.0 | 9.8 | 7.7 | 7.4 | 0.0 | 0.0 | 9.6 | 12.4 | 0.0 | 0.0 |
| G114.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12.7 | 7.4 | 15.6 | 0.0 | 0.0 |
| G115.0 | 0.0 | 0.0 | 8.7 | 7.4 | 0.0 | 9.2 | 7.8 | 11.7 | 0.0 | 0.0 |
| G116.0 | 0.0 | 0.0 | 10.2 | 9.8 | 7.8 | 0.0 | 7.8 | 15.6 | 0.0 | 0.0 |
| G117.0 | 0.0 | 0.0 | 11.2 | 7.4 | 0.0 | 9.9 | 8.5 | 12.7 | 0.0 | 0.0 |
| G118.0 | 0.0 | 0.0 | 0.0 | 8.1 | 0.0 | 7.8 | 8.5 | 9.2 | 0.0 | 0.0 |
| G119.0 | 0.0 | 0.0 | 11.9 | 9.1 | 0.0 | 9.5 | 10.6 | 12.7 | 0.0 | 0.0 |
| G120.0 | 0.0 | 7.7 | 9.8 | 0.0 | 0.0 | 10.6 | 7.4 | 15.9 | 0.0 | 0.0 |
| G121.0 | 0.0 | 0.0 | 9.5 | 8.1 | 7.8 | 10.9 | 8.8 | 16.3 | 0.0 | 0.0 |
| G122.0 | 0.0 | 8.4 | 11.6 | 9.8 | 0.0 | 7.4 | 10.6 | 14.5 | 0.0 | 0.0 |
| G123.0 | 0.0 | 10.8 | 9.1 | 9.5 | 0.0 | 10.6 | 9.6 | 14.2 | 0.0 | 0.0 |
| G124.0 | 0.0 | 7.0 | 11.9 | 9.5 | 10.2 | 10.2 | 9.9 | 14.9 | 0.0 | 8.0 |
| G125.0 | 0.0 | 7.3 | 13.3 | 9.8 | 7.4 | 14.1 | 9.6 | 15.2 | 0.0 | 0.0 |
| G126.0 | 0.0 | 8.0 | 11.6 | 14.4 | 0.0 | 7.4 | 10.6 | 14.2 | 0.0 | 7.3 |
| G127.0 | 0.0 | 9.1 | 15.4 | 11.9 | 10.6 | 11.6 | 11.7 | 12.0 | 0.0 | 7.7 |
| G128.0 | 0.0 | 9.8 | 10.2 | 13.7 | 0.0 | 13.8 | 12.4 | 21.2 | 0.0 | 7.0 |
| G129.0 | 0.0 | 9.4 | 13.0 | 8.4 | 7.1 | 12.3 | 9.2 | 14.9 | 0.0 | 8.7 |
| G130.0 | 0.0 | 10.8 | 13.0 | 9.8 | 7.4 | 10.9 | 13.1 | 18.0 | 0.0 | 13.2 |
| G131.0 | 0.0 | 10.8 | 11.9 | 8.1 | 8.1 | 13.8 | 14.5 | 16.6 | 0.0 | 9.8 |
| G132.0 | 0.0 | 11.8 | 18.9 | 12.3 | 12.7 | 12.0 | 16.3 | 18.4 | 0.0 | 9.8 |
| G133.0 | 0.0 | 10.8 | 15.0 | 12.6 | 12.3 | 16.9 | 13.1 | 19.5 | 0.0 | 9.8 |
| G134.0 | 0.0 | 10.5 | 14.7 | 17.9 | 12.0 | 11.3 | 15.2 | 18.4 | 0.0 | 9.1 |
| G135.0 | 0.0 | 14.3 | 17.2 | 11.6 | 10.2 | 16.6 | 13.8 | 11.0 | 0.0 | 13.6 |
| G136.0 | 0.0 | 11.1 | 20.3 | 10.5 | 10.9 | 16.9 | 14.2 | 21.6 | 0.0 | 8.7 |
| G137.0 | 8.3 | 14.6 | 17.5 | 17.6 | 11.6 | 18.7 | 18.0 | 18.0 | 0.0 | 13.9 |
| G138.0 | 12.1 | 13.2 | 16.1 | 13.4 | 10.9 | 18.3 | 16.6 | 24.8 | 0.0 | 12.2 |
| G139.0 | 11.4 | 11.1 | 17.5 | 17.2 | 14.8 | 21.2 | 22.6 | 24.8 | 0.0 | 16.0 |
| G140.0 | 10.4 | 16.4 | 15.4 | 17.6 | 13.0 | 21.5 | 19.5 | 24.8 | 8.3 | 0.0 |
| G141.0 | 12.1 | 13.6 | 20.3 | 22.1 | 18.0 | 22.2 | 21.6 | 21.6 | 10.4 | 16.0 |
| G142.0 | 10.8 | 16.7 | 23.1 | 22.1 | 16.6 | 21.9 | 19.8 | 23.7 | 8.0 | 8.7 |
| G143.0 | 12.8 | 16.4 | 21.3 | 17.6 | 21.2 | 14.8 | 19.5 | 27.6 | 0.0 | 16.0 |
| G144.0 | 13.9 | 20.9 | 21.3 | 22.5 | 18.3 | 18.7 | 21.6 | 25.8 | 13.2 | 17.1 |
| G145.0 | 16.0 | 21.6 | 22.1 | 23.2 | 19.0 | 18.0 | 21.6 | 31.5 | 10.1 | 13.6 |
| G146.0 | 14.2 | 23.0 | 24.9 | 22.8 | 15.2 | 21.9 | 23.7 | 31.1 | 12.5 | 18.1 |
| G147.0 | 15.3 | 18.5 | 27.3 | 26.7 | 21.2 | 24.7 | 23.0 | 26.5 | 11.8 | 18.1 |

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 25.4 °C

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-3000

Distance: 14.140 m [K=1.0000]

Humidity:

Inspector:

Candlepower Table (Continue 4)

Unit: cd

| GVC | C0.0 | C22.5 | C45.0 | C67.5 | C90.0 | C112.5 | C135.0 | C157.5 | C180.0 | C202.5 |
|--------|------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| G148.0 | 14.2 | 21.9 | 24.5 | 26.0 | 20.8 | 26.5 | 24.8 | 30.8 | 14.9 | 23.7 |
| G149.0 | 18.0 | 20.9 | 24.9 | 22.1 | 20.8 | 25.4 | 27.6 | 27.2 | 15.3 | 18.5 |
| G150.0 | 15.6 | 25.8 | 28.4 | 22.5 | 25.0 | 21.9 | 28.0 | 29.7 | 16.6 | 17.1 |
| G151.0 | 13.5 | 24.0 | 26.6 | 18.6 | 19.4 | 28.6 | 25.1 | 35.4 | 14.2 | 17.1 |
| G152.0 | 19.4 | 24.7 | 30.5 | 25.3 | 24.7 | 31.0 | 26.9 | 30.4 | 17.0 | 19.9 |
| G153.0 | 21.2 | 24.7 | 25.9 | 27.8 | 22.6 | 29.6 | 28.3 | 30.4 | 16.3 | 13.2 |
| G154.0 | 21.2 | 21.2 | 28.7 | 29.2 | 24.3 | 28.9 | 26.5 | 31.5 | 19.4 | 22.3 |
| G155.0 | 23.9 | 27.5 | 28.7 | 19.7 | 28.9 | 25.8 | 26.2 | 29.7 | 17.7 | 27.2 |
| G156.0 | 21.5 | 23.0 | 29.4 | 26.4 | 25.4 | 22.2 | 18.8 | 36.8 | 18.0 | 23.7 |
| G157.0 | 22.9 | 25.8 | 28.7 | 28.8 | 21.2 | 28.6 | 31.1 | 31.1 | 18.4 | 24.0 |
| G158.0 | 23.2 | 26.5 | 27.7 | 30.2 | 23.6 | 31.4 | 29.0 | 36.1 | 15.3 | 26.1 |
| G159.0 | 18.0 | 27.2 | 29.1 | 27.4 | 25.0 | 32.8 | 29.4 | 35.4 | 17.0 | 17.8 |
| G160.0 | 21.8 | 28.9 | 30.5 | 30.6 | 27.5 | 29.3 | 26.5 | 30.8 | 17.7 | 20.9 |
| G161.0 | 22.9 | 28.2 | 29.4 | 26.7 | 20.1 | 29.3 | 25.5 | 32.9 | 21.5 | 20.9 |
| G162.0 | 20.8 | 28.9 | 31.5 | 25.3 | 31.0 | 29.6 | 33.3 | 35.4 | 20.8 | 28.9 |
| G163.0 | 18.0 | 28.6 | 31.9 | 25.3 | 25.4 | 34.6 | 26.2 | 26.5 | 21.2 | 32.1 |
| G164.0 | 26.4 | 31.0 | 32.6 | 28.1 | 27.1 | 24.0 | 26.9 | 35.4 | 18.7 | 28.9 |
| G165.0 | 25.3 | 30.3 | 34.7 | 31.6 | 26.1 | 31.8 | 26.5 | 38.2 | 16.6 | 28.2 |
| G166.0 | 25.7 | 27.2 | 29.4 | 29.9 | 30.0 | 28.9 | 34.3 | 31.8 | 20.8 | 27.2 |
| G167.0 | 19.4 | 33.8 | 28.4 | 25.0 | 16.9 | 36.0 | 31.5 | 37.9 | 19.4 | 25.8 |
| G168.0 | 21.5 | 25.1 | 35.4 | 28.1 | 27.1 | 33.9 | 31.1 | 40.0 | 19.1 | 27.5 |
| G169.0 | 25.7 | 28.6 | 29.4 | 28.8 | 31.0 | 34.2 | 33.3 | 38.2 | 21.5 | 32.1 |
| G170.0 | 23.9 | 30.3 | 31.2 | 34.1 | 29.6 | 35.3 | 34.7 | 34.3 | 21.5 | 31.4 |
| G171.0 | 20.8 | 30.0 | 34.3 | 30.9 | 29.3 | 33.5 | 26.5 | 37.5 | 25.7 | 30.3 |
| G172.0 | 25.3 | 31.7 | 34.0 | 22.8 | 25.4 | 34.2 | 31.5 | 38.6 | 23.2 | 30.3 |
| G173.0 | 27.7 | 31.4 | 34.3 | 26.7 | 26.1 | 32.5 | 28.7 | 38.6 | 17.7 | 27.9 |
| G174.0 | 20.5 | 32.7 | 32.6 | 34.8 | 28.6 | 34.9 | 31.5 | 35.7 | 22.5 | 23.3 |
| G175.0 | 23.9 | 30.3 | 36.1 | 28.5 | 31.4 | 34.6 | 28.7 | 38.9 | 20.8 | 28.9 |
| G176.0 | 17.7 | 33.4 | 32.2 | 30.6 | 30.0 | 32.8 | 29.4 | 36.4 | 20.1 | 27.9 |
| G177.0 | 27.4 | 29.3 | 28.0 | 30.6 | 29.3 | 35.3 | 28.3 | 37.5 | 20.1 | 15.7 |
| G178.0 | 26.0 | 24.7 | 28.7 | 27.1 | 26.8 | 25.4 | 30.4 | 28.7 | 22.2 | 29.3 |
| G179.0 | 20.5 | 30.3 | 32.9 | 29.2 | 32.8 | 31.8 | 17.7 | 36.1 | 21.2 | 28.9 |
| G180.0 | 29.8 | 28.2 | 34.0 | 33.4 | 27.1 | 34.9 | 31.8 | 36.1 | 20.8 | 21.9 |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

C Plane (°):0.0-360.0: 22.5
 Test Lab:
 Test Type: TYPE C
 Temperature: 25.4 'C
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-3000
 Distance: 14.140 m [K=1.0000]
 Humidity:
 Inspector:

Candlepower Table (Continue 5)

Unit: cd

| | | | | | | | | | | |
|-------|---------|---------|---------|---------|---------|---------|---------|--|--|--|
| GVC | C225.0 | C247.5 | C270.0 | C292.5 | C315.0 | C337.5 | C360.0 | | | |
| G0.0 | 10437.1 | 10437.1 | 10437.1 | 10437.1 | 10437.1 | 10437.1 | 10437.1 | | | |
| G1.0 | 10443.7 | 10439.5 | 10440.6 | 10438.8 | 10442.7 | 10438.1 | 10434.0 | | | |
| G2.0 | 10443.7 | 10446.2 | 10442.0 | 10441.3 | 10434.2 | 10442.0 | 10426.0 | | | |
| G3.0 | 10444.4 | 10450.1 | 10441.0 | 10433.6 | 10444.2 | 10441.3 | 10423.2 | | | |
| G4.0 | 10445.5 | 10450.8 | 10444.8 | 10443.1 | 10447.0 | 10443.8 | 10434.0 | | | |
| G5.0 | 10445.5 | 10454.3 | 10443.8 | 10445.2 | 10455.8 | 10449.1 | 10428.4 | | | |
| G6.0 | 10444.8 | 10453.2 | 10445.2 | 10450.1 | 10460.8 | 10452.3 | 10430.5 | | | |
| G7.0 | 10449.7 | 10457.8 | 10451.2 | 10465.3 | 10465.7 | 10456.5 | 10438.1 | | | |
| G8.0 | 10450.7 | 10461.0 | 10464.9 | 10468.8 | 10472.5 | 10461.1 | 10441.2 | | | |
| G9.0 | 10456.0 | 10464.5 | 10466.3 | 10470.3 | 10476.4 | 10466.1 | 10442.6 | | | |
| G10.0 | 10464.4 | 10468.4 | 10469.5 | 10474.8 | 10479.9 | 10473.2 | 10439.9 | | | |
| G11.0 | 10469.6 | 10476.8 | 10464.6 | 10480.8 | 10481.3 | 10475.6 | 10444.0 | | | |
| G12.0 | 10473.8 | 10473.6 | 10469.9 | 10475.5 | 10487.7 | 10477.4 | 10449.2 | | | |
| G13.0 | 10475.9 | 10479.6 | 10474.4 | 10475.2 | 10488.7 | 10478.8 | 10444.4 | | | |
| G14.0 | 10479.8 | 10478.9 | 10474.8 | 10473.1 | 10476.7 | 10470.0 | 10447.8 | | | |
| G15.0 | 10480.8 | 10481.4 | 10471.3 | 10466.7 | 10477.8 | 10466.8 | 10439.2 | | | |
| G16.0 | 10473.5 | 10477.8 | 10464.6 | 10465.3 | 10466.1 | 10448.4 | 10424.6 | | | |
| G17.0 | 10471.7 | 10471.9 | 10462.8 | 10452.3 | 10447.0 | 10424.3 | 10405.9 | | | |
| G18.0 | 10455.3 | 10453.9 | 10449.4 | 10435.3 | 10421.2 | 10398.5 | 10373.3 | | | |
| G19.0 | 10437.1 | 10439.9 | 10429.3 | 10403.6 | 10397.8 | 10359.9 | 10346.2 | | | |
| G20.0 | 10411.2 | 10417.0 | 10398.3 | 10371.8 | 10363.1 | 10309.7 | 10295.6 | | | |
| G21.0 | 10378.3 | 10378.8 | 10363.1 | 10327.7 | 10300.2 | 10248.1 | 10240.1 | | | |
| G22.0 | 10328.6 | 10332.7 | 10314.8 | 10274.1 | 10240.7 | 10179.1 | 10167.6 | | | |
| G23.0 | 10277.8 | 10273.7 | 10247.1 | 10202.8 | 10159.4 | 10091.7 | 10096.5 | | | |
| G24.0 | 10211.6 | 10209.4 | 10188.2 | 10131.9 | 10073.4 | 9998.3 | 10012.6 | | | |
| G25.0 | 10135.0 | 10128.2 | 10103.6 | 10035.9 | 9988.1 | 9891.8 | 9912.4 | | | |
| G26.0 | 10032.4 | 10035.8 | 10007.1 | 9934.3 | 9889.4 | 9786.0 | 9805.6 | | | |
| G27.0 | 9922.8 | 9918.8 | 9889.0 | 9812.2 | 9763.8 | 9671.7 | 9696.0 | | | |
| G28.0 | 9811.5 | 9804.9 | 9774.1 | 9687.6 | 9645.3 | 9544.3 | 9578.7 | | | |
| G29.0 | 9685.2 | 9676.0 | 9654.9 | 9560.3 | 9510.5 | 9414.5 | 9440.7 | | | |
| G30.0 | 9545.1 | 9536.5 | 9517.1 | 9423.4 | 9364.0 | 9260.9 | 9319.0 | | | |
| G31.0 | 9405.8 | 9388.6 | 9375.1 | 9279.1 | 9218.6 | 9109.8 | 9181.7 | | | |
| G32.0 | 9236.7 | 9215.3 | 9200.2 | 9107.9 | 9055.2 | 8944.2 | 9021.8 | | | |
| G33.0 | 9064.8 | 9041.7 | 9017.0 | 8934.3 | 8835.1 | 8807.7 | 8863.3 | | | |
| G34.0 | 8884.6 | 8856.2 | 8810.8 | 8784.0 | 8673.4 | 8582.3 | 8646.9 | | | |
| G35.0 | 8721.8 | 8680.2 | 8628.2 | 8557.8 | 8449.5 | 8350.5 | 8481.1 | | | |
| G36.0 | 8473.2 | 8441.9 | 8391.0 | 8322.1 | 8189.1 | 8068.2 | 8237.3 | | | |

C Plane (°):0.0-360.0: 22.5
 Test Lab:
 Test Type: TYPE C
 Temperature: 25.4 °C
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-3000
 Distance: 14.140 m [K=1.0000]
 Humidity:
 Inspector:

Candlepower Table (Continue 6)

Unit: cd

| | | | | | | | | | | |
|-------|--------|--------|--------|--------|--------|--------|--------|--|--|--|
| GVC | C225.0 | C247.5 | C270.0 | C292.5 | C315.0 | C337.5 | C360.0 | | | |
| G37.0 | 8181.3 | 8147.5 | 8085.0 | 8049.4 | 7901.1 | 7764.6 | 7969.9 | | | |
| G38.0 | 7872.2 | 7840.0 | 7751.9 | 7690.9 | 7523.6 | 7422.0 | 7635.6 | | | |
| G39.0 | 7503.9 | 7454.9 | 7361.4 | 7228.3 | 7139.1 | 7025.4 | 7216.0 | | | |
| G40.0 | 7064.6 | 7004.4 | 6945.5 | 6764.7 | 6712.1 | 6573.2 | 6799.1 | | | |
| G41.0 | 6606.4 | 6554.0 | 6509.8 | 6348.0 | 6291.0 | 6166.3 | 6336.5 | | | |
| G42.0 | 6150.6 | 6116.5 | 6063.6 | 5951.4 | 5863.0 | 5760.8 | 5964.3 | | | |
| G43.0 | 5700.8 | 5684.6 | 5600.1 | 5540.7 | 5431.7 | 5366.3 | 5554.4 | | | |
| G44.0 | 5309.7 | 5306.2 | 5193.3 | 5178.7 | 5044.3 | 4948.4 | 5160.5 | | | |
| G45.0 | 4921.9 | 4928.5 | 4800.3 | 4831.8 | 4669.6 | 4562.7 | 4811.9 | | | |
| G46.0 | 4541.7 | 4502.6 | 4417.9 | 4472.3 | 4308.4 | 4214.5 | 4428.0 | | | |
| G47.0 | 4150.7 | 4139.3 | 4028.8 | 4148.4 | 3964.9 | 3896.8 | 4088.1 | | | |
| G48.0 | 3812.2 | 3805.8 | 3708.4 | 3801.5 | 3627.4 | 3602.4 | 3797.2 | | | |
| G49.0 | 3511.5 | 3497.3 | 3417.9 | 3509.0 | 3343.3 | 3306.2 | 3495.4 | | | |
| G50.0 | 3255.6 | 3191.6 | 3152.2 | 3243.0 | 3085.0 | 3055.0 | 3212.1 | | | |
| G51.0 | 2984.6 | 2940.4 | 2900.9 | 2995.3 | 2837.7 | 2828.6 | 2949.9 | | | |
| G52.0 | 2757.8 | 2713.0 | 2649.2 | 2743.3 | 2604.6 | 2618.7 | 2711.0 | | | |
| G53.0 | 2528.1 | 2505.7 | 2433.8 | 2528.8 | 2391.2 | 2418.5 | 2513.3 | | | |
| G54.0 | 2336.3 | 2318.4 | 2257.9 | 2324.2 | 2206.9 | 2217.8 | 2312.1 | | | |
| G55.0 | 2140.6 | 2115.7 | 2089.8 | 2127.6 | 2052.0 | 2045.5 | 2134.9 | | | |
| G56.0 | 1979.9 | 1935.4 | 1901.9 | 1930.1 | 1867.6 | 1887.0 | 1966.0 | | | |
| G57.0 | 1816.1 | 1783.6 | 1746.9 | 1772.0 | 1707.4 | 1731.0 | 1795.1 | | | |
| G58.0 | 1655.4 | 1635.7 | 1601.3 | 1616.7 | 1565.5 | 1577.7 | 1633.4 | | | |
| G59.0 | 1512.6 | 1496.2 | 1460.6 | 1461.8 | 1443.8 | 1445.8 | 1476.3 | | | |
| G60.0 | 1401.3 | 1364.1 | 1335.9 | 1324.9 | 1310.4 | 1324.8 | 1355.0 | | | |
| G61.0 | 1275.3 | 1240.0 | 1207.9 | 1207.8 | 1201.1 | 1209.4 | 1231.5 | | | |
| G62.0 | 1153.1 | 1142.0 | 1109.2 | 1107.9 | 1099.2 | 1103.3 | 1124.7 | | | |
| G63.0 | 1059.3 | 1035.9 | 1013.7 | 1007.4 | 995.2 | 996.0 | 1011.6 | | | |
| G64.0 | 966.9 | 946.6 | 931.9 | 911.4 | 901.8 | 916.1 | 921.1 | | | |
| G65.0 | 876.9 | 859.8 | 841.7 | 828.8 | 831.8 | 834.7 | 831.6 | | | |
| G66.0 | 792.5 | 772.7 | 766.3 | 746.6 | 746.5 | 761.1 | 761.9 | | | |
| G67.0 | 723.2 | 703.8 | 699.3 | 682.4 | 680.7 | 695.6 | 691.5 | | | |
| G68.0 | 654.3 | 646.2 | 634.8 | 622.4 | 618.4 | 629.1 | 618.0 | | | |
| G69.0 | 588.8 | 582.2 | 574.2 | 557.5 | 558.6 | 573.2 | 559.4 | | | |
| G70.0 | 532.8 | 528.8 | 520.6 | 511.6 | 504.1 | 514.1 | 502.9 | | | |
| G71.0 | 479.9 | 477.9 | 467.4 | 457.6 | 454.6 | 473.8 | 458.1 | | | |
| G72.0 | 429.9 | 430.8 | 421.2 | 413.5 | 413.6 | 420.4 | 407.5 | | | |
| G73.0 | 392.1 | 380.5 | 380.3 | 374.4 | 375.4 | 377.5 | 373.2 | | | |

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 25.4 °C

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-3000

Distance: 14.140 m [K=1.0000]

Humidity:

Inspector:

Candlepower Table (Continue 7)

Unit: cd

| | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--|--|--|
| GVC | C225.0 | C247.5 | C270.0 | C292.5 | C315.0 | C337.5 | C360.0 | | | |
| G74.0 | 345.9 | 344.0 | 333.1 | 329.2 | 325.8 | 339.3 | 325.0 | | | |
| G75.0 | 303.9 | 301.5 | 290.4 | 285.8 | 289.4 | 293.7 | 286.5 | | | |
| G76.0 | 258.3 | 255.8 | 248.8 | 251.2 | 248.7 | 250.5 | 242.1 | | | |
| G77.0 | 225.1 | 218.2 | 208.7 | 206.1 | 211.2 | 212.7 | 204.6 | | | |
| G78.0 | 183.1 | 176.0 | 167.4 | 164.4 | 174.4 | 180.8 | 166.5 | | | |
| G79.0 | 148.8 | 139.9 | 131.8 | 136.6 | 141.2 | 150.0 | 135.9 | | | |
| G80.0 | 120.1 | 116.7 | 107.5 | 103.0 | 111.8 | 117.5 | 105.8 | | | |
| G81.0 | 89.6 | 83.6 | 80.4 | 79.7 | 92.3 | 99.1 | 81.5 | | | |
| G82.0 | 72.8 | 62.9 | 60.6 | 69.5 | 67.2 | 78.2 | 59.0 | | | |
| G83.0 | 59.2 | 54.5 | 48.6 | 50.1 | 56.6 | 63.3 | 47.2 | | | |
| G84.0 | 49.7 | 42.9 | 32.1 | 39.9 | 39.3 | 47.4 | 26.4 | | | |
| G85.0 | 37.1 | 19.3 | 15.9 | 21.2 | 24.8 | 34.3 | 19.4 | | | |
| G86.0 | 13.6 | 11.9 | 0.0 | 15.5 | 10.6 | 24.1 | 8.7 | | | |
| G87.0 | 11.2 | 0.0 | 0.0 | 7.1 | 0.0 | 13.8 | 0.0 | | | |
| G88.0 | 0.0 | 8.8 | 0.0 | 0.0 | 7.1 | 17.7 | 0.0 | | | |
| G89.0 | 9.8 | 0.0 | 0.0 | 10.9 | 0.0 | 14.2 | 0.0 | | | |
| G90.0 | 0.0 | 0.0 | 0.0 | 8.5 | 0.0 | 15.2 | 0.0 | | | |
| G91.0 | 7.3 | 0.0 | 0.0 | 0.0 | 0.0 | 15.9 | 0.0 | | | |
| G92.0 | 7.3 | 0.0 | 0.0 | 0.0 | 0.0 | 14.9 | 0.0 | | | |
| G93.0 | 7.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15.2 | 0.0 | | | |
| G94.0 | 0.0 | 0.0 | 0.0 | 7.1 | 0.0 | 12.7 | 0.0 | | | |
| G95.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13.8 | 0.0 | | | |
| G96.0 | 7.7 | 0.0 | 0.0 | 0.0 | 0.0 | 11.3 | 0.0 | | | |
| G97.0 | 0.0 | 0.0 | 0.0 | 7.1 | 0.0 | 15.6 | 0.0 | | | |
| G98.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 14.5 | 0.0 | | | |
| G99.0 | 7.7 | 0.0 | 7.1 | 7.8 | 0.0 | 9.6 | 0.0 | | | |
| G100.0 | 0.0 | 0.0 | 0.0 | 7.4 | 0.0 | 10.3 | 0.0 | | | |
| G101.0 | 8.7 | 0.0 | 0.0 | 0.0 | 0.0 | 12.4 | 0.0 | | | |
| G102.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 11.0 | 0.0 | | | |
| G103.0 | 0.0 | 0.0 | 0.0 | 7.1 | 0.0 | 12.0 | 0.0 | | | |
| G104.0 | 0.0 | 0.0 | 0.0 | 8.1 | 0.0 | 14.2 | 0.0 | | | |
| G105.0 | 7.0 | 0.0 | 0.0 | 9.2 | 0.0 | 13.8 | 0.0 | | | |
| G106.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 14.5 | 0.0 | | | |
| G107.0 | 0.0 | 0.0 | 0.0 | 8.1 | 8.8 | 10.6 | 0.0 | | | |
| G108.0 | 0.0 | 0.0 | 0.0 | 7.4 | 0.0 | 11.0 | 0.0 | | | |
| G109.0 | 0.0 | 0.0 | 0.0 | 7.8 | 0.0 | 13.4 | 0.0 | | | |
| G110.0 | 0.0 | 0.0 | 0.0 | 8.1 | 0.0 | 12.0 | 0.0 | | | |

C Plane (°):0.0-360.0: 22.5
 Test Lab:
 Test Type: TYPE C
 Temperature: 25.4 'C
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-3000
 Distance: 14.140 m [K=1.0000]
 Humidity:
 Inspector:

Candlepower Table (Continue 8)

Unit: cd

| GVC | C225.0 | C247.5 | C270.0 | C292.5 | C315.0 | C337.5 | C360.0 | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--|--|--|
| G111.0 | 8.7 | 0.0 | 0.0 | 0.0 | 0.0 | 14.2 | 0.0 | | | |
| G112.0 | 7.7 | 0.0 | 0.0 | 0.0 | 7.8 | 9.6 | 0.0 | | | |
| G113.0 | 8.4 | 0.0 | 0.0 | 0.0 | 0.0 | 16.6 | 0.0 | | | |
| G114.0 | 0.0 | 0.0 | 0.0 | 8.8 | 0.0 | 11.7 | 0.0 | | | |
| G115.0 | 9.8 | 8.8 | 0.0 | 9.2 | 7.4 | 15.2 | 0.0 | | | |
| G116.0 | 7.7 | 0.0 | 0.0 | 7.4 | 0.0 | 16.3 | 0.0 | | | |
| G117.0 | 11.2 | 7.0 | 0.0 | 8.1 | 0.0 | 15.6 | 0.0 | | | |
| G118.0 | 0.0 | 0.0 | 0.0 | 10.2 | 9.2 | 15.9 | 0.0 | | | |
| G119.0 | 7.0 | 0.0 | 0.0 | 11.6 | 8.5 | 15.2 | 0.0 | | | |
| G120.0 | 9.8 | 0.0 | 0.0 | 0.0 | 8.8 | 14.9 | 0.0 | | | |
| G121.0 | 10.5 | 7.0 | 0.0 | 9.5 | 11.0 | 13.1 | 0.0 | | | |
| G122.0 | 11.9 | 8.8 | 0.0 | 9.2 | 12.7 | 14.9 | 0.0 | | | |
| G123.0 | 13.0 | 8.1 | 7.1 | 10.6 | 9.2 | 16.6 | 0.0 | | | |
| G124.0 | 8.7 | 7.4 | 0.0 | 8.1 | 8.8 | 16.3 | 0.0 | | | |
| G125.0 | 12.2 | 7.0 | 0.0 | 10.9 | 12.7 | 14.2 | 0.0 | | | |
| G126.0 | 12.6 | 0.0 | 0.0 | 10.2 | 10.3 | 15.9 | 0.0 | | | |
| G127.0 | 13.3 | 8.1 | 0.0 | 9.9 | 9.6 | 15.6 | 0.0 | | | |
| G128.0 | 15.0 | 0.0 | 7.8 | 14.8 | 10.6 | 17.7 | 0.0 | | | |
| G129.0 | 11.2 | 8.4 | 0.0 | 12.0 | 9.2 | 17.7 | 0.0 | | | |
| G130.0 | 10.9 | 12.3 | 8.1 | 13.4 | 12.0 | 18.8 | 0.0 | | | |
| G131.0 | 16.1 | 9.5 | 8.5 | 14.8 | 13.1 | 21.9 | 0.0 | | | |
| G132.0 | 12.2 | 12.6 | 8.1 | 13.1 | 11.7 | 21.2 | 0.0 | | | |
| G133.0 | 13.3 | 11.6 | 9.2 | 13.8 | 13.1 | 19.8 | 0.0 | | | |
| G134.0 | 15.0 | 9.1 | 8.5 | 17.6 | 15.2 | 19.1 | 0.0 | | | |
| G135.0 | 13.0 | 11.9 | 9.2 | 13.4 | 12.4 | 24.1 | 0.0 | | | |
| G136.0 | 14.4 | 13.0 | 10.9 | 16.2 | 15.2 | 24.8 | 0.0 | | | |
| G137.0 | 17.2 | 11.2 | 8.5 | 13.1 | 18.0 | 24.4 | 8.3 | | | |
| G138.0 | 17.2 | 17.9 | 10.2 | 21.5 | 19.8 | 20.5 | 12.1 | | | |
| G139.0 | 14.0 | 16.9 | 16.6 | 19.1 | 19.1 | 23.7 | 11.4 | | | |
| G140.0 | 20.3 | 15.5 | 11.6 | 19.8 | 19.1 | 24.4 | 10.4 | | | |
| G141.0 | 20.3 | 16.2 | 14.8 | 17.3 | 14.9 | 27.6 | 12.1 | | | |
| G142.0 | 20.3 | 14.4 | 14.1 | 24.7 | 21.2 | 26.9 | 10.8 | | | |
| G143.0 | 21.0 | 20.0 | 15.5 | 10.6 | 18.0 | 25.1 | 12.8 | | | |
| G144.0 | 20.7 | 16.9 | 16.9 | 23.3 | 20.5 | 31.8 | 13.9 | | | |
| G145.0 | 22.8 | 18.3 | 18.7 | 22.6 | 20.5 | 28.7 | 16.0 | | | |
| G146.0 | 18.2 | 20.4 | 19.4 | 25.4 | 16.6 | 31.1 | 14.2 | | | |
| G147.0 | 20.0 | 19.0 | 21.9 | 21.5 | 24.8 | 28.0 | 15.3 | | | |

C Plane (°):0.0-360.0: 22.5
 Test Lab:
 Test Type: TYPE C
 Temperature: 25.4 'C
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-3000
 Distance: 14.140 m [K=1.0000]
 Humidity:
 Inspector:

Candlepower Table (Continue 9)

Unit: cd

| GVC | C225.0 | C247.5 | C270.0 | C292.5 | C315.0 | C337.5 | C360.0 | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--|--|--|
| G148.0 | 23.8 | 17.6 | 18.0 | 18.3 | 17.0 | 32.2 | 14.2 | | | |
| G149.0 | 26.6 | 25.6 | 19.7 | 24.3 | 23.3 | 33.3 | 18.0 | | | |
| G150.0 | 24.5 | 25.3 | 20.1 | 26.8 | 27.2 | 36.1 | 15.6 | | | |
| G151.0 | 25.9 | 24.2 | 19.4 | 27.5 | 24.4 | 35.0 | 13.5 | | | |
| G152.0 | 29.8 | 27.1 | 20.1 | 30.0 | 29.0 | 30.1 | 19.4 | | | |
| G153.0 | 29.4 | 28.1 | 22.2 | 27.9 | 24.1 | 32.6 | 21.2 | | | |
| G154.0 | 28.0 | 27.1 | 21.5 | 31.8 | 25.1 | 38.9 | 21.2 | | | |
| G155.0 | 29.1 | 29.2 | 19.7 | 28.9 | 26.5 | 37.9 | 23.9 | | | |
| G156.0 | 31.5 | 26.4 | 20.4 | 29.3 | 29.4 | 39.3 | 21.5 | | | |
| G157.0 | 30.1 | 22.8 | 24.7 | 28.2 | 22.6 | 33.3 | 22.9 | | | |
| G158.0 | 26.3 | 25.6 | 24.3 | 26.8 | 26.2 | 34.0 | 23.2 | | | |
| G159.0 | 26.3 | 27.8 | 26.8 | 30.3 | 28.3 | 41.0 | 18.0 | | | |
| G160.0 | 30.1 | 32.0 | 20.4 | 30.7 | 28.0 | 40.0 | 21.8 | | | |
| G161.0 | 29.4 | 34.1 | 25.4 | 33.2 | 28.7 | 36.1 | 22.9 | | | |
| G162.0 | 31.2 | 24.6 | 27.8 | 34.9 | 29.7 | 39.6 | 20.8 | | | |
| G163.0 | 31.5 | 23.9 | 33.5 | 30.0 | 31.8 | 41.8 | 18.0 | | | |
| G164.0 | 28.7 | 22.5 | 26.4 | 28.2 | 34.0 | 32.2 | 26.4 | | | |
| G165.0 | 30.1 | 27.8 | 20.4 | 28.6 | 32.5 | 40.0 | 25.3 | | | |
| G166.0 | 29.4 | 30.9 | 30.3 | 35.3 | 26.5 | 36.8 | 25.7 | | | |
| G167.0 | 30.1 | 28.8 | 22.2 | 33.9 | 35.7 | 40.0 | 19.4 | | | |
| G168.0 | 34.0 | 28.5 | 29.3 | 32.1 | 36.1 | 42.8 | 21.5 | | | |
| G169.0 | 29.4 | 21.8 | 29.6 | 36.0 | 26.2 | 40.3 | 25.7 | | | |
| G170.0 | 30.8 | 33.4 | 27.8 | 33.2 | 32.2 | 40.0 | 23.9 | | | |
| G171.0 | 34.7 | 27.4 | 31.0 | 26.5 | 31.8 | 44.9 | 20.8 | | | |
| G172.0 | 33.6 | 36.2 | 27.1 | 19.4 | 34.7 | 38.9 | 25.3 | | | |
| G173.0 | 35.7 | 31.3 | 28.6 | 37.4 | 28.0 | 42.8 | 27.7 | | | |
| G174.0 | 34.0 | 25.3 | 16.9 | 31.8 | 33.6 | 40.3 | 20.5 | | | |
| G175.0 | 36.1 | 32.7 | 30.7 | 30.7 | 29.0 | 34.3 | 23.9 | | | |
| G176.0 | 31.2 | 31.6 | 24.3 | 35.6 | 32.9 | 41.8 | 17.7 | | | |
| G177.0 | 34.0 | 29.5 | 30.3 | 33.9 | 31.1 | 40.0 | 27.4 | | | |
| G178.0 | 32.9 | 25.3 | 30.0 | 35.6 | 33.3 | 37.5 | 26.0 | | | |
| G179.0 | 29.8 | 31.3 | 23.6 | 33.2 | 30.1 | 38.6 | 20.5 | | | |
| G180.0 | 32.6 | 30.6 | 23.3 | 31.0 | 31.1 | 37.5 | 29.8 | | | |
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C Plane (°):0.0-360.0: 22.5
 Test Lab:
 Test Type: TYPE C
 Temperature: 25.4 'C
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-3000
 Distance: 14.140 m [K=1.0000]
 Humidity:
 Inspector: