

Report No.:

Test Time: 2014-08-14 17:21

Luminaire Property

Luminaire Manufacturer:

Luminaire Description: MR16-3000K-60D

Current: 0.531 A

Power Factor: 0.660

Voltage: 12.3 V

Power: 4.30 W

Photometric Results

CIE Class: Direct

Measurement Flux: 281.9 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(15%,30%,50%,75%): H62.5,H48.4,H35.9,H22.4

Vertical Diffuse Angle(15%,30%,50%,75%): V62.4,V48.5,V35.5,V21.9

Luminaire Efficacy Rating (LER): 66

Max. Intensity: 559.34 cd

Total Rated Lamp Lumens: 281.9 lm

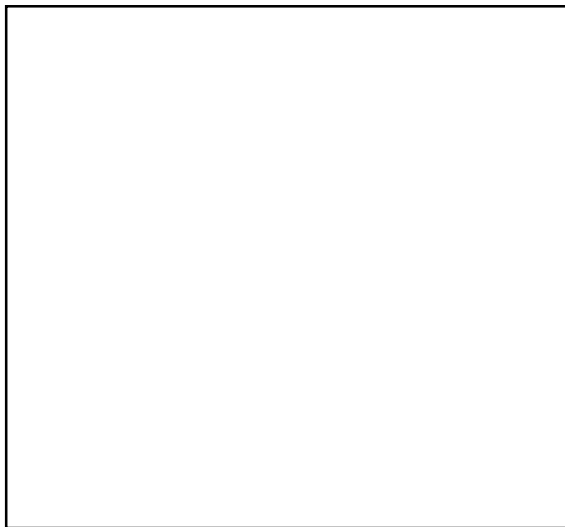
Efficiency: 100%

Upward Ratio: 0%

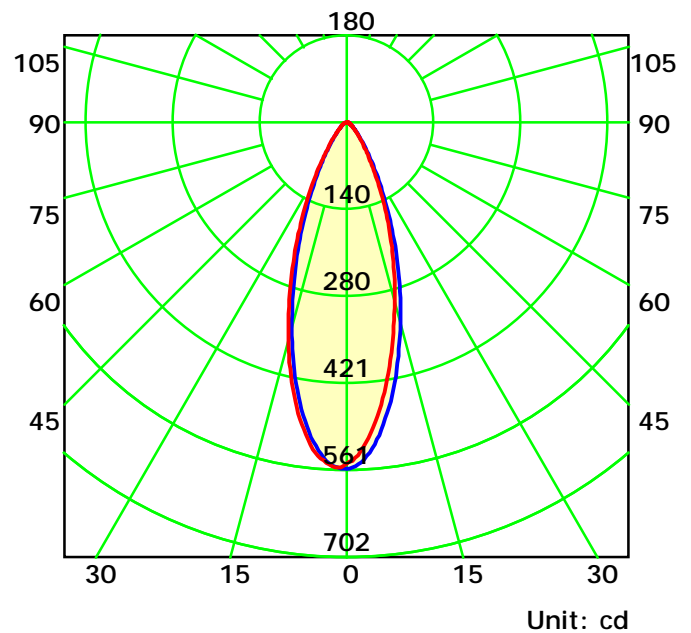
Central Intensity: 558.78 cd

Pos of Max. Intensity: H180 V1

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:0.5

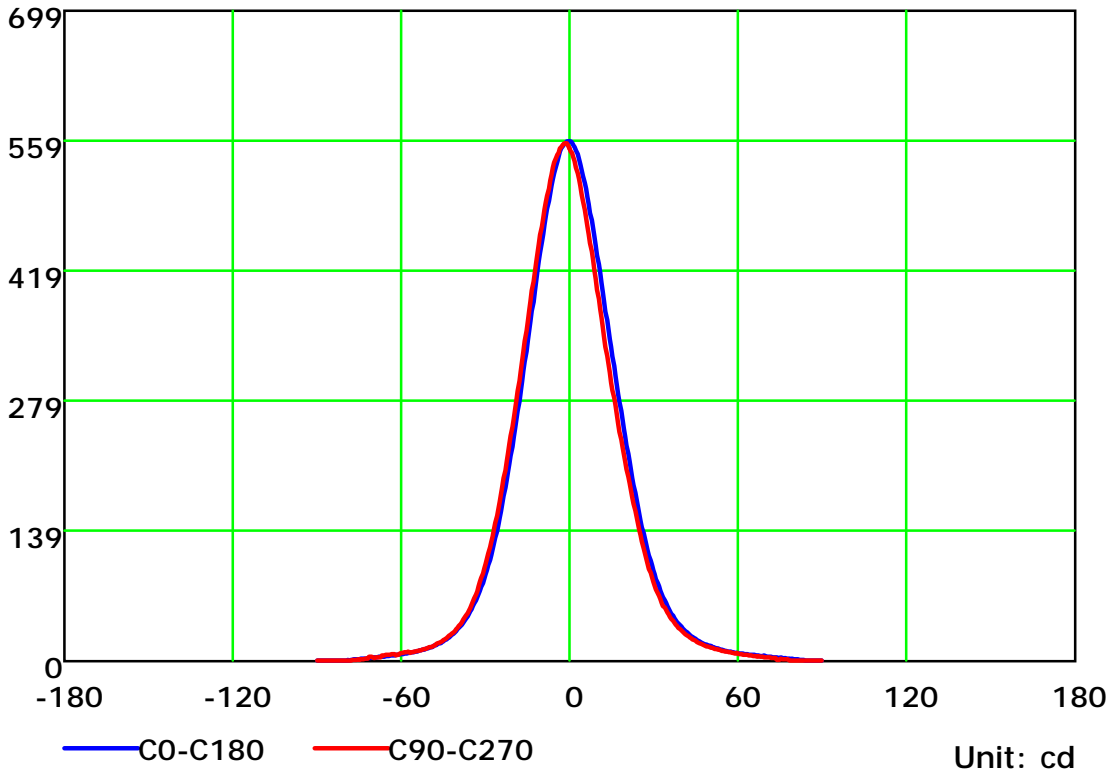
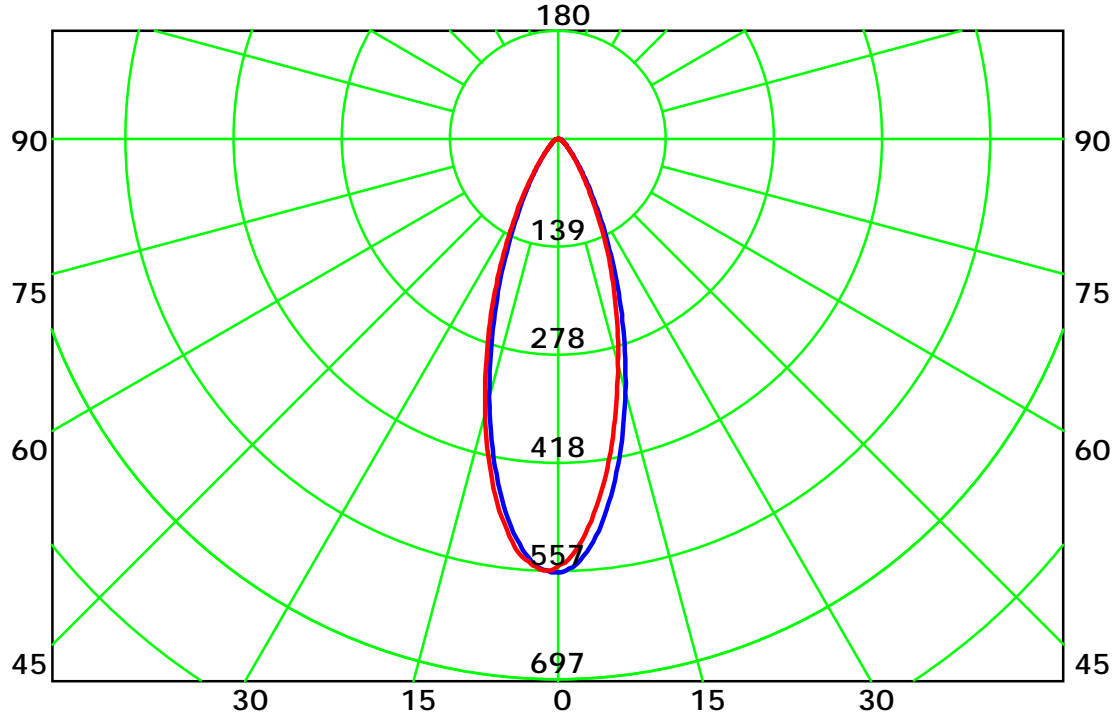
Test Device: GPM-1600

Distance: 8.177 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve

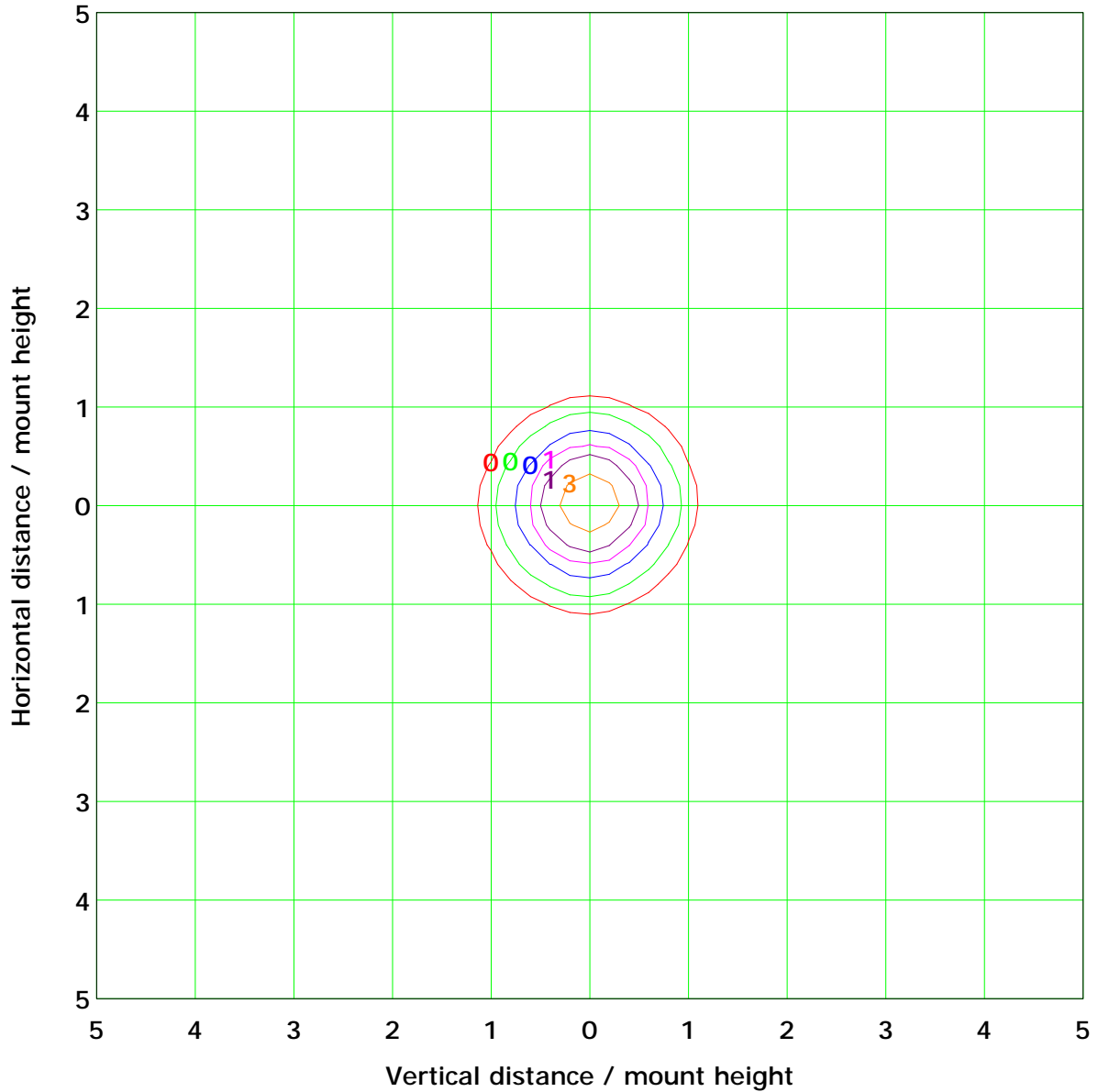


C Plane (°):0.0-360.0: 45.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-90.0:0.5
 Test Device: GPM-1600
 Distance: 8.177 m
 Humidity:
 Inspector:

Unit: cd

IsoLux Plot



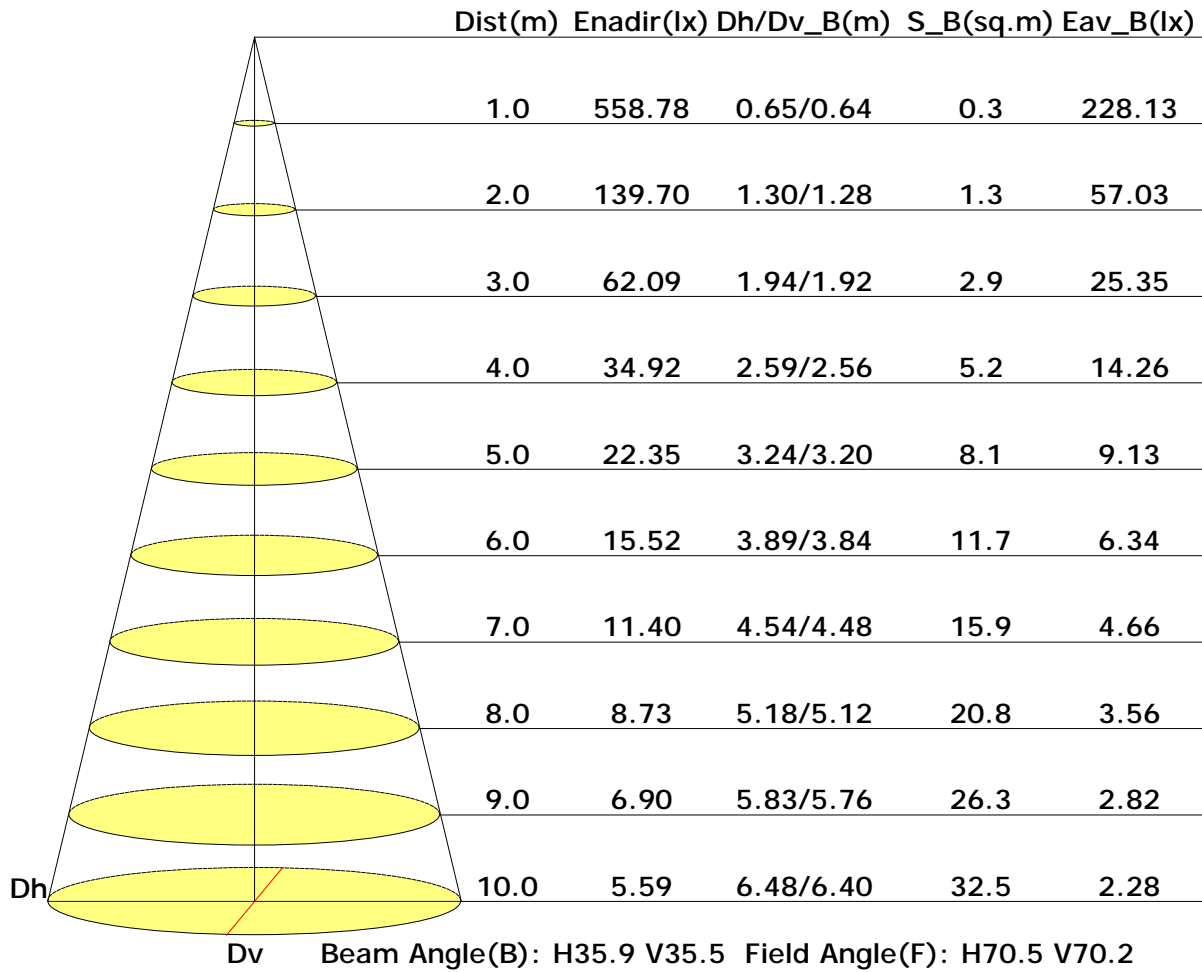
Mounting Height: 10.0m Max Lux(100%): 5.6 lx

| | |
|-----------------|-----------------|
| (1%): 0.1 lx | (2%): 0.1 lx |
| (5%): 0.3 lx | (10%): 0.6 lx |
| (20%): 1.1 lx | (50%): 2.8 lx |
| (100%): 5.6 lx | (200%): 11.2 lx |
| (300%): 16.8 lx | (500%): 28.0 lx |

C Plane (°):0.0-360.0: 45.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-90.0:0.5
 Test Device: GPM-1600
 Distance: 8.177 m
 Humidity:
 Inspector:

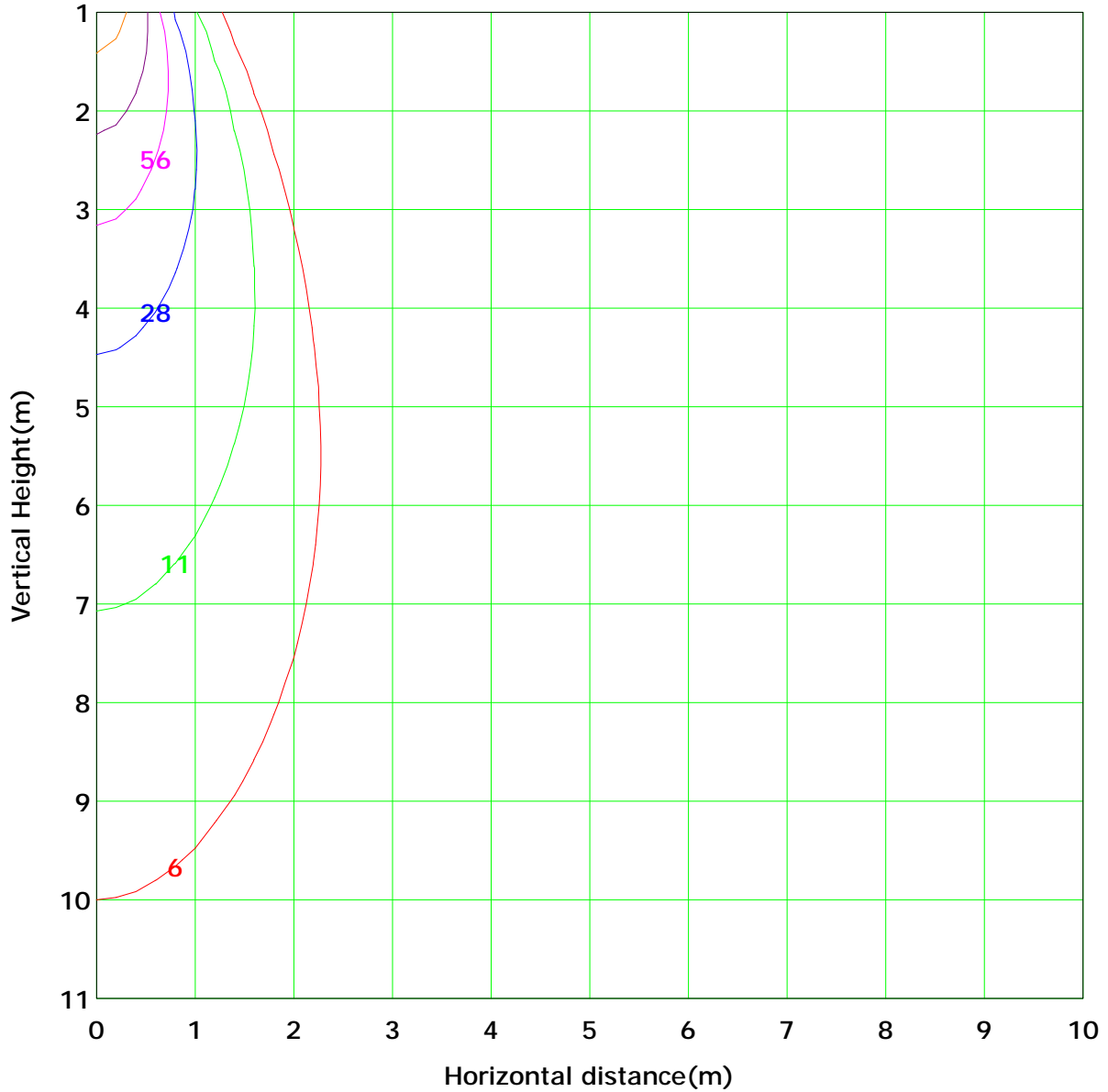
Illuminance at a Distance



C Plane (°):0.0-360.0: 45.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-90.0:0.5
 Test Device: GPM-1600
 Distance: 8.177 m
 Humidity:
 Inspector:

Vertical IsoLux Plot



| | | |
|-------------------|-------------------|-------------------|
| Lowest(m): 1.0m | Highest(m): 11.0m | Max Lux: 558.8 lx |
| (1%): 5.6 lx | (2%): 11.2 lx | |
| (5%): 27.9 lx | (10%): 55.9 lx | |
| (20%): 111.8 lx | (50%): 279.4 lx | |
| (100%): 558.8 lx | (200%): 1117.6 lx | |
| (300%): 1676.3 lx | (500%): 2793.9 lx | |

C Plane (°):0.0-360.0: 45.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-90.0:0.5
 Test Device: GPM-1600
 Distance: 8.177 m
 Humidity:
 Inspector:

Zonal Lumen

| Gamma [°] | I _{mean} [cd] | Zonal Flux [lm] | Sum Zonal Flux [lm] | Rel Zonal Flux [%] | Sum Rel Zonal Flux [%] |
|--------------|---------------------------|--------------------|------------------------|-----------------------|---------------------------|
| 0.0-0.5 | 554.4 | 0.1 | 0.1 | 0.05 | 0.05 |
| 0.5-1.0 | 553.9 | 0.4 | 0.5 | 0.14 | 0.19 |
| 1.0-1.5 | 552.8 | 0.7 | 1.2 | 0.23 | 0.42 |
| 1.5-2.0 | 550.7 | 0.9 | 2.1 | 0.33 | 0.75 |
| 2.0-2.5 | 547.8 | 1.2 | 3.3 | 0.42 | 1.17 |
| 2.5-3.0 | 544.2 | 1.4 | 4.7 | 0.51 | 1.68 |
| 3.0-3.5 | 540.1 | 1.7 | 6.4 | 0.60 | 2.27 |
| 3.5-4.0 | 535.2 | 1.9 | 8.3 | 0.68 | 2.95 |
| 4.0-4.5 | 529.7 | 2.2 | 10.5 | 0.76 | 3.72 |
| 4.5-5.0 | 523.9 | 2.4 | 12.9 | 0.84 | 4.56 |
| 5.0-5.5 | 517.3 | 2.6 | 15.4 | 0.92 | 5.48 |
| 5.5-6.0 | 510.3 | 2.8 | 18.3 | 0.99 | 6.47 |
| 6.0-6.5 | 503.2 | 3.0 | 21.3 | 1.07 | 7.54 |
| 6.5-7.0 | 495.5 | 3.2 | 24.4 | 1.13 | 8.67 |
| 7.0-7.5 | 487.1 | 3.4 | 27.8 | 1.20 | 9.87 |
| 7.5-8.0 | 478.4 | 3.5 | 31.4 | 1.25 | 11.12 |
| 8.0-8.5 | 469.9 | 3.7 | 35.1 | 1.31 | 12.43 |
| 8.5-9.0 | 461.0 | 3.8 | 38.9 | 1.36 | 13.80 |
| 9.0-9.5 | 451.7 | 4.0 | 42.9 | 1.41 | 15.21 |
| 9.5-10.0 | 442.1 | 4.1 | 47.0 | 1.46 | 16.67 |
| 10.0-10.5 | 432.4 | 4.2 | 51.2 | 1.50 | 18.16 |
| 10.5-11.0 | 422.6 | 4.3 | 55.5 | 1.53 | 19.70 |
| 11.0-11.5 | 412.4 | 4.4 | 59.9 | 1.56 | 21.26 |
| 11.5-12.0 | 402.2 | 4.5 | 64.4 | 1.59 | 22.85 |
| 12.0-12.5 | 392.0 | 4.6 | 69.0 | 1.62 | 24.47 |
| 12.5-13.0 | 381.6 | 4.6 | 73.6 | 1.64 | 26.11 |
| 13.0-13.5 | 371.3 | 4.7 | 78.3 | 1.66 | 27.76 |
| 13.5-14.0 | 361.1 | 4.7 | 83.0 | 1.67 | 29.43 |
| 14.0-14.5 | 350.8 | 4.7 | 87.7 | 1.68 | 31.11 |
| 14.5-15.0 | 340.7 | 4.8 | 92.5 | 1.69 | 32.80 |
| 15.0-15.5 | 330.3 | 4.8 | 97.2 | 1.69 | 34.49 |
| 15.5-16.0 | 319.8 | 4.8 | 102.0 | 1.69 | 36.18 |
| 16.0-16.5 | 309.8 | 4.8 | 106.7 | 1.69 | 37.86 |
| 16.5-17.0 | 299.8 | 4.7 | 111.5 | 1.68 | 39.55 |
| 17.0-17.5 | 289.7 | 4.7 | 116.2 | 1.67 | 41.22 |
| 17.5-18.0 | 279.8 | 4.7 | 120.9 | 1.66 | 42.88 |

C Plane (°):0.0-360.0: 45.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-90.0:0.5
 Test Device: GPM-1600
 Distance: 8.177 m
 Humidity:
 Inspector:

Zonal Lumen (Continue 1)

| Gamma [°] | I _{mean} [cd] | Zonal Flux [lm] | Sum Zonal Flux [lm] | Rel Zonal Flux [%] | Sum Rel Zonal Flux [%] |
|--------------|---------------------------|--------------------|------------------------|-----------------------|---------------------------|
| 18.0-18.5 | 270.0 | 4.6 | 125.5 | 1.64 | 44.52 |
| 18.5-19.0 | 260.4 | 4.6 | 130.1 | 1.63 | 46.15 |
| 19.0-19.5 | 251.2 | 4.5 | 134.6 | 1.61 | 47.76 |
| 19.5-20.0 | 242.0 | 4.5 | 139.1 | 1.59 | 49.35 |
| 20.0-20.5 | 233.0 | 4.4 | 143.5 | 1.57 | 50.92 |
| 20.5-21.0 | 224.1 | 4.4 | 147.9 | 1.54 | 52.46 |
| 21.0-21.5 | 215.4 | 4.3 | 152.2 | 1.52 | 53.98 |
| 21.5-22.0 | 206.7 | 4.2 | 156.4 | 1.49 | 55.47 |
| 22.0-22.5 | 198.1 | 4.1 | 160.5 | 1.46 | 56.93 |
| 22.5-23.0 | 189.8 | 4.0 | 164.5 | 1.43 | 58.36 |
| 23.0-23.5 | 181.8 | 3.9 | 168.4 | 1.40 | 59.75 |
| 23.5-24.0 | 173.9 | 3.8 | 172.3 | 1.36 | 61.11 |
| 24.0-24.5 | 166.2 | 3.7 | 176.0 | 1.33 | 62.44 |
| 24.5-25.0 | 158.8 | 3.6 | 179.7 | 1.29 | 63.73 |
| 25.0-25.5 | 151.7 | 3.5 | 183.2 | 1.26 | 64.99 |
| 25.5-26.0 | 144.7 | 3.4 | 186.7 | 1.22 | 66.22 |
| 26.0-26.5 | 138.0 | 3.3 | 190.0 | 1.19 | 67.40 |
| 26.5-27.0 | 131.4 | 3.2 | 193.3 | 1.15 | 68.55 |
| 27.0-27.5 | 125.2 | 3.1 | 196.4 | 1.12 | 69.67 |
| 27.5-28.0 | 119.2 | 3.0 | 199.4 | 1.08 | 70.75 |
| 28.0-28.5 | 113.3 | 2.9 | 202.4 | 1.04 | 71.79 |
| 28.5-29.0 | 107.8 | 2.8 | 205.2 | 1.01 | 72.80 |
| 29.0-29.5 | 102.4 | 2.7 | 208.0 | 0.97 | 73.77 |
| 29.5-30.0 | 97.3 | 2.6 | 210.6 | 0.94 | 74.71 |
| 30.0-30.5 | 92.4 | 2.6 | 213.2 | 0.91 | 75.62 |
| 30.5-31.0 | 87.8 | 2.5 | 215.6 | 0.87 | 76.49 |
| 31.0-31.5 | 83.4 | 2.4 | 218.0 | 0.84 | 77.33 |
| 31.5-32.0 | 79.2 | 2.3 | 220.3 | 0.81 | 78.14 |
| 32.0-32.5 | 75.2 | 2.2 | 222.5 | 0.78 | 78.92 |
| 32.5-33.0 | 71.3 | 2.1 | 224.6 | 0.75 | 79.67 |
| 33.0-33.5 | 67.7 | 2.0 | 226.6 | 0.72 | 80.40 |
| 33.5-34.0 | 64.4 | 2.0 | 228.6 | 0.70 | 81.09 |
| 34.0-34.5 | 61.2 | 1.9 | 230.5 | 0.67 | 81.76 |
| 34.5-35.0 | 58.2 | 1.8 | 232.3 | 0.65 | 82.41 |
| 35.0-35.5 | 55.4 | 1.8 | 234.1 | 0.62 | 83.03 |
| 35.5-36.0 | 52.6 | 1.7 | 235.8 | 0.60 | 83.63 |

C Plane (°):0.0-360.0: 45.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-90.0:0.5
 Test Device: GPM-1600
 Distance: 8.177 m
 Humidity:
 Inspector:

Zonal Lumen (Continue 2)

| Gamma [°] | I _{mean} [cd] | Zonal Flux [lm] | Sum Zonal Flux [lm] | Rel Zonal Flux [%] | Sum Rel Zonal Flux [%] |
|--------------|---------------------------|--------------------|------------------------|-----------------------|---------------------------|
| 36.0-36.5 | 50.1 | 1.6 | 237.4 | 0.58 | 84.20 |
| 36.5-37.0 | 47.6 | 1.6 | 238.9 | 0.55 | 84.76 |
| 37.0-37.5 | 45.3 | 1.5 | 240.4 | 0.53 | 85.29 |
| 37.5-38.0 | 43.1 | 1.4 | 241.9 | 0.51 | 85.80 |
| 38.0-38.5 | 41.0 | 1.4 | 243.3 | 0.49 | 86.30 |
| 38.5-39.0 | 38.9 | 1.3 | 244.6 | 0.47 | 86.77 |
| 39.0-39.5 | 36.9 | 1.3 | 245.9 | 0.45 | 87.22 |
| 39.5-40.0 | 35.1 | 1.2 | 247.1 | 0.44 | 87.66 |
| 40.0-40.5 | 33.5 | 1.2 | 248.3 | 0.42 | 88.08 |
| 40.5-41.0 | 31.9 | 1.1 | 249.5 | 0.41 | 88.49 |
| 41.0-41.5 | 30.5 | 1.1 | 250.6 | 0.39 | 88.88 |
| 41.5-42.0 | 29.2 | 1.1 | 251.6 | 0.38 | 89.26 |
| 42.0-42.5 | 27.9 | 1.0 | 252.7 | 0.37 | 89.62 |
| 42.5-43.0 | 26.8 | 1.0 | 253.7 | 0.35 | 89.98 |
| 43.0-43.5 | 25.6 | 1.0 | 254.6 | 0.34 | 90.32 |
| 43.5-44.0 | 24.5 | 0.9 | 255.5 | 0.33 | 90.65 |
| 44.0-44.5 | 23.3 | 0.9 | 256.4 | 0.32 | 90.96 |
| 44.5-45.0 | 22.3 | 0.9 | 257.3 | 0.31 | 91.27 |
| 45.0-45.5 | 21.4 | 0.8 | 258.1 | 0.30 | 91.56 |
| 45.5-46.0 | 20.5 | 0.8 | 258.9 | 0.29 | 91.85 |
| 46.0-46.5 | 19.7 | 0.8 | 259.7 | 0.28 | 92.13 |
| 46.5-47.0 | 18.9 | 0.8 | 260.5 | 0.27 | 92.39 |
| 47.0-47.5 | 18.1 | 0.7 | 261.2 | 0.26 | 92.65 |
| 47.5-48.0 | 17.4 | 0.7 | 261.9 | 0.25 | 92.90 |
| 48.0-48.5 | 16.7 | 0.7 | 262.6 | 0.24 | 93.15 |
| 48.5-49.0 | 16.1 | 0.7 | 263.3 | 0.24 | 93.38 |
| 49.0-49.5 | 15.5 | 0.6 | 263.9 | 0.23 | 93.61 |
| 49.5-50.0 | 14.9 | 0.6 | 264.5 | 0.22 | 93.83 |
| 50.0-50.5 | 14.4 | 0.6 | 265.1 | 0.22 | 94.05 |
| 50.5-51.0 | 13.9 | 0.6 | 265.7 | 0.21 | 94.26 |
| 51.0-51.5 | 13.4 | 0.6 | 266.3 | 0.20 | 94.46 |
| 51.5-52.0 | 12.9 | 0.6 | 266.8 | 0.20 | 94.66 |
| 52.0-52.5 | 12.4 | 0.5 | 267.4 | 0.19 | 94.85 |
| 52.5-53.0 | 12.1 | 0.5 | 267.9 | 0.19 | 95.03 |
| 53.0-53.5 | 11.7 | 0.5 | 268.4 | 0.18 | 95.22 |
| 53.5-54.0 | 11.2 | 0.5 | 268.9 | 0.18 | 95.39 |

C Plane (°):0.0-360.0: 45.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-90.0:0.5
 Test Device: GPM-1600
 Distance: 8.177 m
 Humidity:
 Inspector:

Zonal Lumen (Continue 3)

| Gamma [°] | I _{mean} [cd] | Zonal Flux [lm] | Sum Zonal Flux [lm] | Rel Zonal Flux [%] | Sum Rel Zonal Flux [%] |
|--------------|---------------------------|--------------------|------------------------|-----------------------|---------------------------|
| 54.0-54.5 | 10.8 | 0.5 | 269.4 | 0.17 | 95.56 |
| 54.5-55.0 | 10.5 | 0.5 | 269.9 | 0.17 | 95.73 |
| 55.0-55.5 | 10.1 | 0.5 | 270.3 | 0.16 | 95.89 |
| 55.5-56.0 | 9.7 | 0.4 | 270.8 | 0.16 | 96.05 |
| 56.0-56.5 | 9.5 | 0.4 | 271.2 | 0.15 | 96.20 |
| 56.5-57.0 | 9.2 | 0.4 | 271.6 | 0.15 | 96.35 |
| 57.0-57.5 | 8.9 | 0.4 | 272.0 | 0.15 | 96.50 |
| 57.5-58.0 | 8.8 | 0.4 | 272.4 | 0.14 | 96.64 |
| 58.0-58.5 | 8.5 | 0.4 | 272.8 | 0.14 | 96.78 |
| 58.5-59.0 | 8.3 | 0.4 | 273.2 | 0.14 | 96.92 |
| 59.0-59.5 | 8.1 | 0.4 | 273.6 | 0.13 | 97.05 |
| 59.5-60.0 | 7.8 | 0.4 | 274.0 | 0.13 | 97.19 |
| 60.0-60.5 | 7.6 | 0.4 | 274.3 | 0.13 | 97.31 |
| 60.5-61.0 | 7.3 | 0.3 | 274.7 | 0.12 | 97.44 |
| 61.0-61.5 | 7.0 | 0.3 | 275.0 | 0.12 | 97.56 |
| 61.5-62.0 | 6.8 | 0.3 | 275.3 | 0.12 | 97.67 |
| 62.0-62.5 | 6.6 | 0.3 | 275.7 | 0.11 | 97.78 |
| 62.5-63.0 | 6.5 | 0.3 | 276.0 | 0.11 | 97.90 |
| 63.0-63.5 | 6.3 | 0.3 | 276.3 | 0.11 | 98.01 |
| 63.5-64.0 | 6.1 | 0.3 | 276.6 | 0.11 | 98.11 |
| 64.0-64.5 | 5.9 | 0.3 | 276.9 | 0.10 | 98.22 |
| 64.5-65.0 | 5.7 | 0.3 | 277.2 | 0.10 | 98.32 |
| 65.0-65.5 | 5.6 | 0.3 | 277.4 | 0.10 | 98.42 |
| 65.5-66.0 | 5.4 | 0.3 | 277.7 | 0.10 | 98.51 |
| 66.0-66.5 | 5.2 | 0.3 | 278.0 | 0.09 | 98.60 |
| 66.5-67.0 | 5.1 | 0.3 | 278.2 | 0.09 | 98.70 |
| 67.0-67.5 | 4.8 | 0.2 | 278.5 | 0.09 | 98.78 |
| 67.5-68.0 | 4.5 | 0.2 | 278.7 | 0.08 | 98.86 |
| 68.0-68.5 | 4.4 | 0.2 | 278.9 | 0.08 | 98.94 |
| 68.5-69.0 | 4.2 | 0.2 | 279.1 | 0.08 | 99.02 |
| 69.0-69.5 | 4.1 | 0.2 | 279.4 | 0.07 | 99.09 |
| 69.5-70.0 | 3.8 | 0.2 | 279.6 | 0.07 | 99.16 |
| 70.0-70.5 | 3.6 | 0.2 | 279.7 | 0.07 | 99.23 |
| 70.5-71.0 | 3.5 | 0.2 | 279.9 | 0.06 | 99.29 |
| 71.0-71.5 | 3.5 | 0.2 | 280.1 | 0.06 | 99.36 |
| 71.5-72.0 | 3.3 | 0.2 | 280.3 | 0.06 | 99.42 |

C Plane (°):0.0-360.0: 45.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-90.0:0.5
 Test Device: GPM-1600
 Distance: 8.177 m
 Humidity:
 Inspector:

Zonal Lumen (Continue 4)

| Gamma [°] | I _{mean} [cd] | Zonal Flux [lm] | Sum Zonal Flux [lm] | Rel Zonal Flux [%] | Sum Rel Zonal Flux [%] |
|--------------|---------------------------|--------------------|------------------------|-----------------------|---------------------------|
| 72.0-72.5 | 3.0 | 0.2 | 280.4 | 0.06 | 99.47 |
| 72.5-73.0 | 2.8 | 0.1 | 280.6 | 0.05 | 99.52 |
| 73.0-73.5 | 2.5 | 0.1 | 280.7 | 0.05 | 99.57 |
| 73.5-74.0 | 2.2 | 0.1 | 280.8 | 0.04 | 99.61 |
| 74.0-74.5 | 2.1 | 0.1 | 280.9 | 0.04 | 99.65 |
| 74.5-75.0 | 2.0 | 0.1 | 281.0 | 0.04 | 99.69 |
| 75.0-75.5 | 2.0 | 0.1 | 281.1 | 0.04 | 99.73 |
| 75.5-76.0 | 1.9 | 0.1 | 281.2 | 0.04 | 99.76 |
| 76.0-76.5 | 1.7 | 0.1 | 281.3 | 0.03 | 99.79 |
| 76.5-77.0 | 1.5 | 0.1 | 281.4 | 0.03 | 99.82 |
| 77.0-77.5 | 1.4 | 0.1 | 281.5 | 0.03 | 99.85 |
| 77.5-78.0 | 1.2 | 0.1 | 281.6 | 0.02 | 99.87 |
| 78.0-78.5 | 1.1 | 0.1 | 281.6 | 0.02 | 99.89 |
| 78.5-79.0 | 0.9 | 0.1 | 281.7 | 0.02 | 99.91 |
| 79.0-79.5 | 0.8 | 0.0 | 281.7 | 0.01 | 99.93 |
| 79.5-80.0 | 0.6 | 0.0 | 281.7 | 0.01 | 99.94 |
| 80.0-80.5 | 0.4 | 0.0 | 281.8 | 0.01 | 99.94 |
| 80.5-81.0 | 0.3 | 0.0 | 281.8 | 0.01 | 99.95 |
| 81.0-81.5 | 0.4 | 0.0 | 281.8 | 0.01 | 99.96 |
| 81.5-82.0 | 0.4 | 0.0 | 281.8 | 0.01 | 99.96 |
| 82.0-82.5 | 0.3 | 0.0 | 281.8 | 0.01 | 99.97 |
| 82.5-83.0 | 0.2 | 0.0 | 281.8 | 0.00 | 99.97 |
| 83.0-83.5 | 0.2 | 0.0 | 281.8 | 0.00 | 99.98 |
| 83.5-84.0 | 0.2 | 0.0 | 281.9 | 0.00 | 99.98 |
| 84.0-84.5 | 0.2 | 0.0 | 281.9 | 0.00 | 99.98 |
| 84.5-85.0 | 0.1 | 0.0 | 281.9 | 0.00 | 99.99 |
| 85.0-85.5 | 0.0 | 0.0 | 281.9 | 0.00 | 99.99 |
| 85.5-86.0 | 0.0 | 0.0 | 281.9 | 0.00 | 99.99 |
| 86.0-86.5 | 0.1 | 0.0 | 281.9 | 0.00 | 99.99 |
| 86.5-87.0 | 0.1 | 0.0 | 281.9 | 0.00 | 99.99 |
| 87.0-87.5 | 0.1 | 0.0 | 281.9 | 0.00 | 99.99 |
| 87.5-88.0 | 0.1 | 0.0 | 281.9 | 0.00 | 99.99 |
| 88.0-88.5 | 0.1 | 0.0 | 281.9 | 0.00 | 99.99 |
| 88.5-89.0 | 0.0 | 0.0 | 281.9 | 0.00 | 100.00 |
| 89.0-89.5 | 0.1 | 0.0 | 281.9 | 0.00 | 100.00 |
| 89.5-90.0 | 0.2 | 0.0 | 281.9 | 0.00 | 100.00 |

C Plane (°):0.0-360.0: 45.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-90.0:0.5
 Test Device: GPM-1600
 Distance: 8.177 m
 Humidity:
 Inspector: