

Report No.:

Test Time: 2020-12-3 10:02

## Luminaire Property

Luminaire Manufacturer:  
Luminaire Category:  
Lamp Catalog:  
Number of Lamps:  
Luminous Length (mm):  
Luminous Height (mm):  
Current: 0.565 A  
Power Factor: 0.941

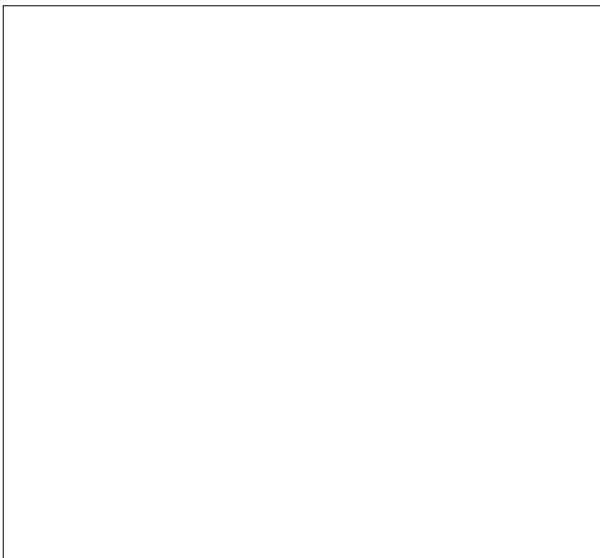
Luminaire Description:  
Lamp Description:  
Lumens per Lamp:  
Luminous Width (mm):  
Voltage: 277.0 V  
Power: 147.35 W

## Photometric Results

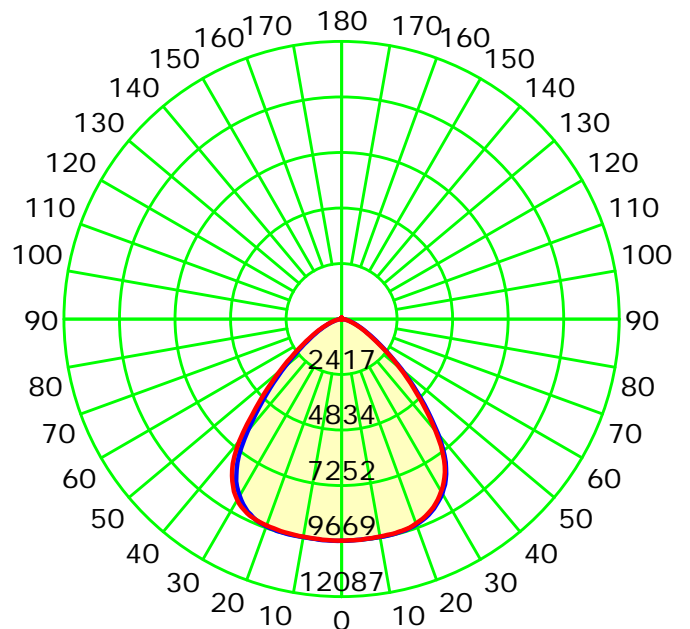
CIE Class: Direct  
Measurement Flux: 20312.6 lm  
Downward Ratio: 99%  
Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 129.8, 129.9, 129.9, 129.9  
Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 89.5, 90.2, 89.8, 89.6  
Luminaire Efficacy Rating (LER): 137.90  
Max. Intensity: 9669.73 cd  
S/MH(C0/C180): 1.32

Total Rated Lamp Lumens: 20312.6 lm  
Efficiency: 100%  
Upward Ratio: 1%  
C0r0 Intensity: 9649.31 cd  
Pos of Max. Intensity: H315 V5  
S/MH(C90/C270): 1.33

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

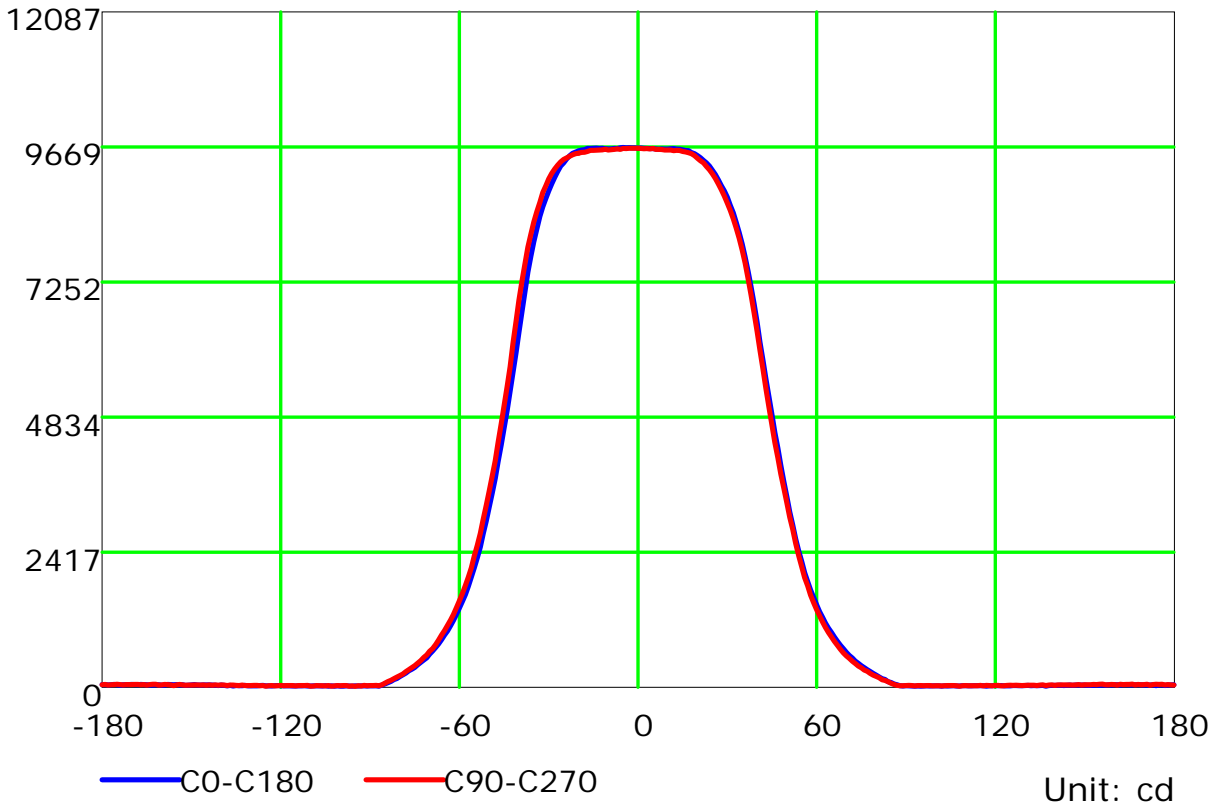
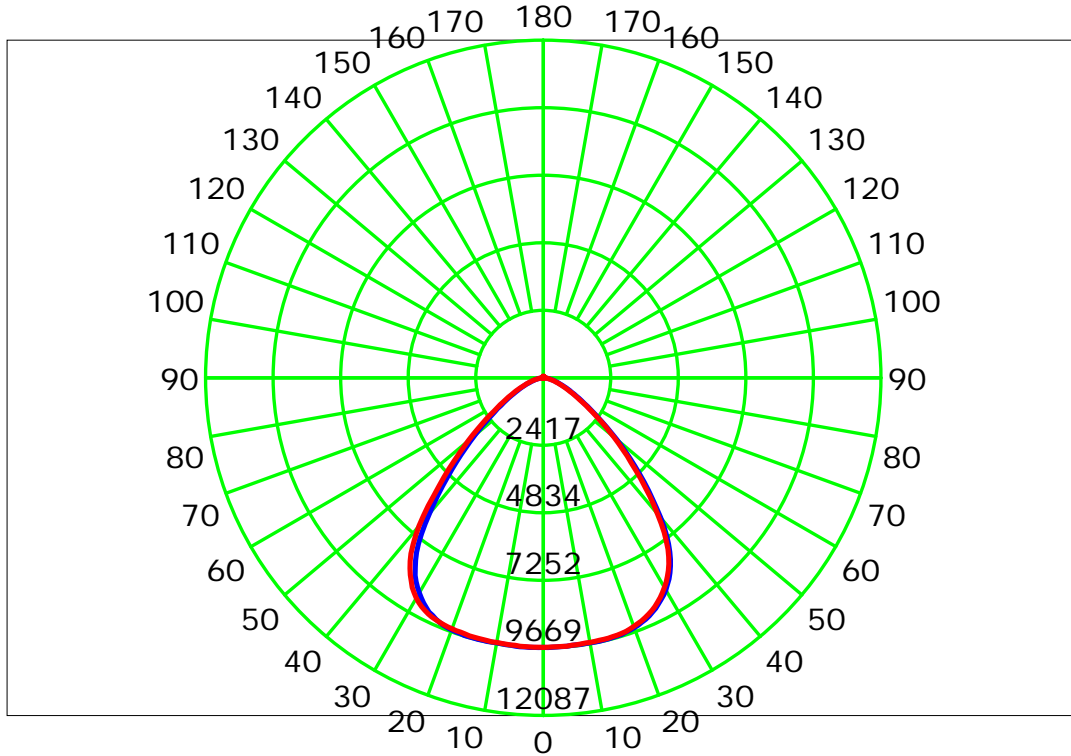
Average Diffuse Angle(50%): 89.9°

— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 22.5  
Test Lab:  
Test Type: TYPE C  
Temperature: 25.7 °C  
Operator:

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

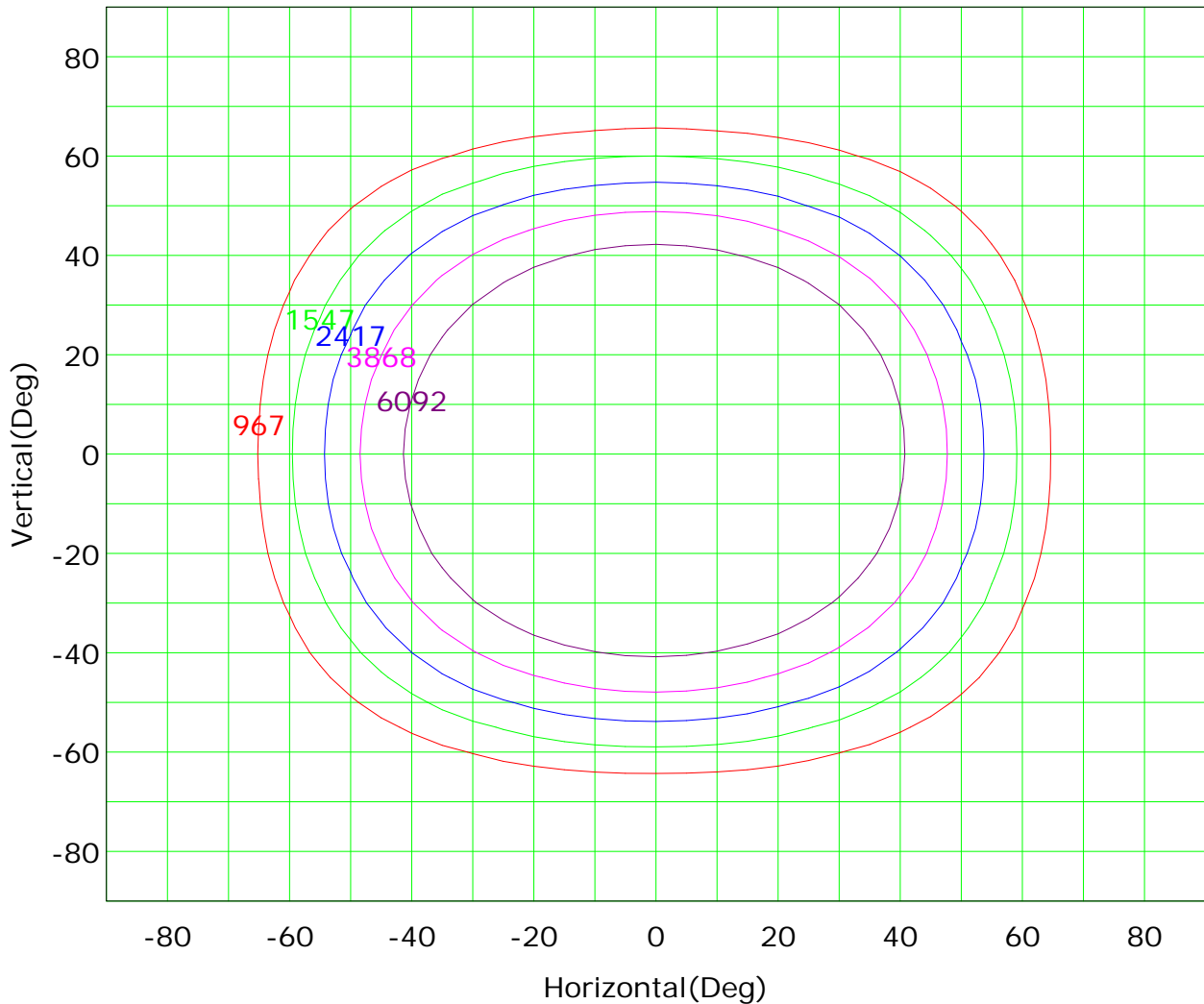
## Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 22.5  
 Test Lab:  
 Test Type: TYPE C  
 Temperature: 25.7 °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)



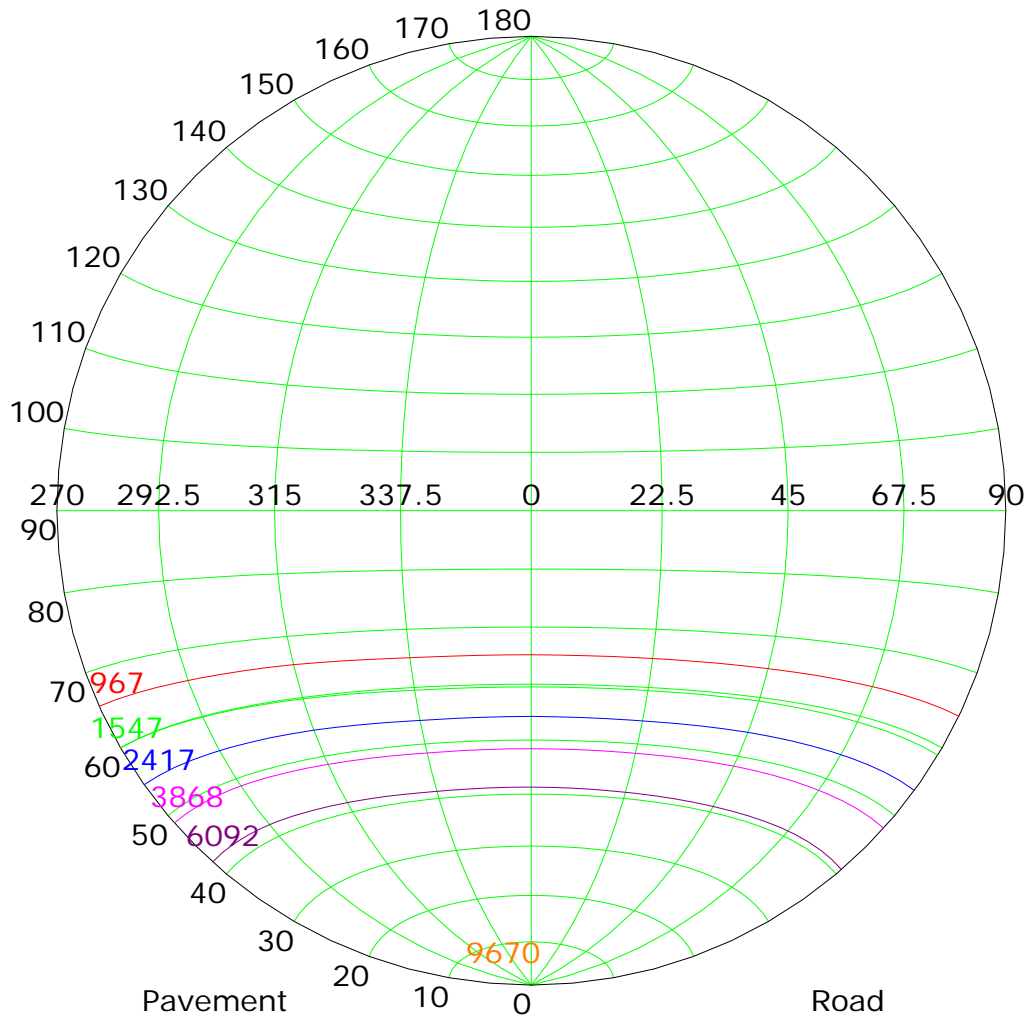
Imax (100%): 9670 cd

|                   |                   |
|-------------------|-------------------|
| — ( 10%): 967 cd  | — ( 16%): 1547 cd |
| — ( 25%): 2417 cd | — ( 40%): 3868 cd |
| — ( 63%): 6092 cd | — (100%): 9670 cd |

C Plane (°):0.0-360.0: 22.5  
Test Lab:  
Test Type: TYPE C  
Temperature: 25.7 '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)



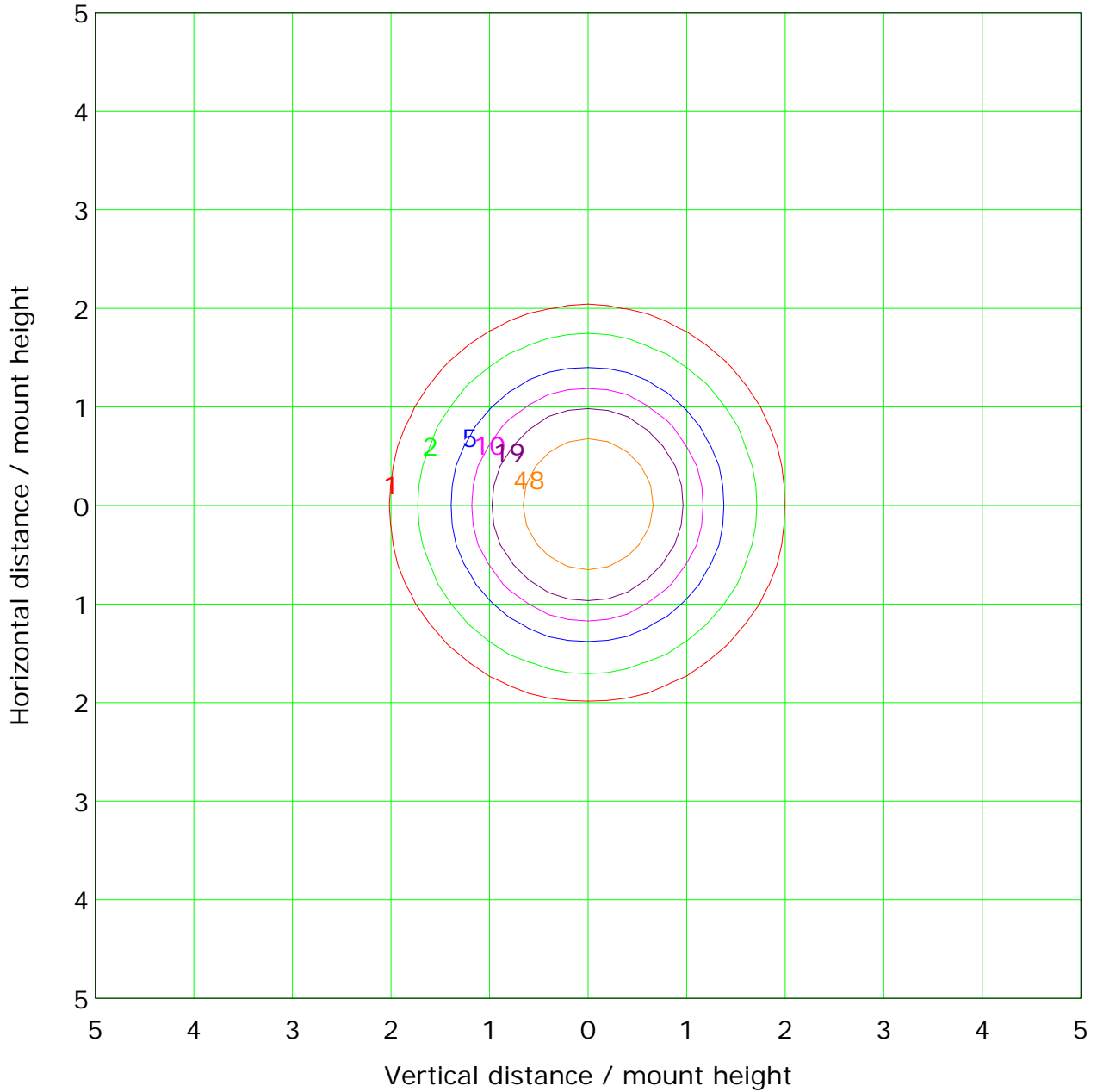
Imax (100%): 9670 cd

- |                   |                   |
|-------------------|-------------------|
| — ( 10%): 967 cd  | — ( 16%): 1547 cd |
| — ( 25%): 2417 cd | — ( 40%): 3868 cd |
| — ( 63%): 6092 cd | — (100%): 9670 cd |

C Plane (°):0.0-360.0: 22.5  
Test Lab:  
Test Type: TYPE C  
Temperature: 25.7 '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

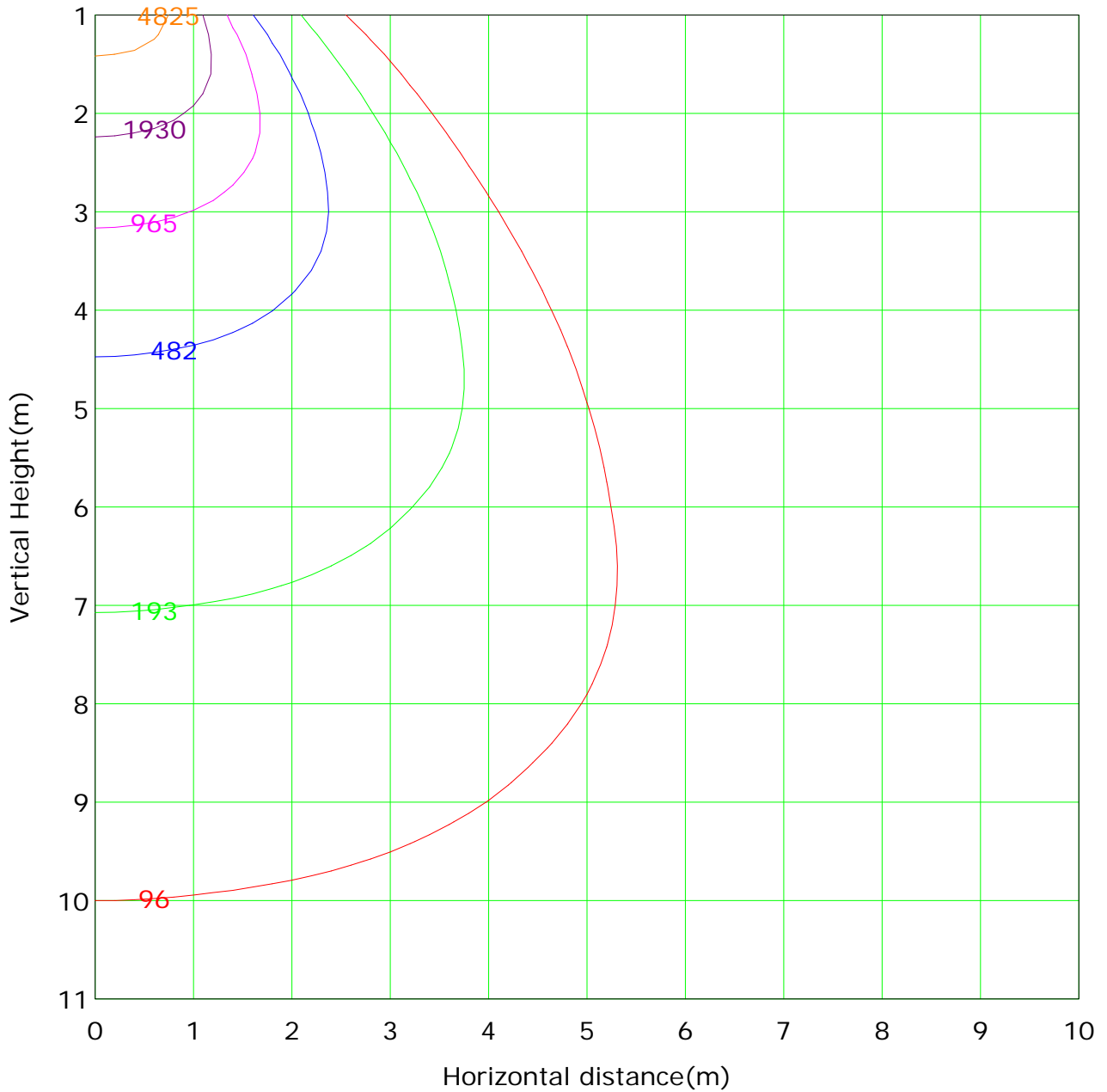


|                        |         |                        |         |
|------------------------|---------|------------------------|---------|
| Mounting Height: 10.0m |         | Max Lux(100%): 96.5 lx |         |
| — ( 1%):               | 1.0 lx  | — ( 2%):               | 1.9 lx  |
| — ( 5%):               | 4.8 lx  | — ( 10%):              | 9.7 lx  |
| — ( 20%):              | 19.3 lx | — ( 50%):              | 48.3 lx |
| — (100%):              | 96.5 lx |                        |         |

C Plane (°):0.0-360.0: 22.5  
 Test Lab:  
 Test Type: TYPE C  
 Temperature: 25.7 '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: 9649.3 lx

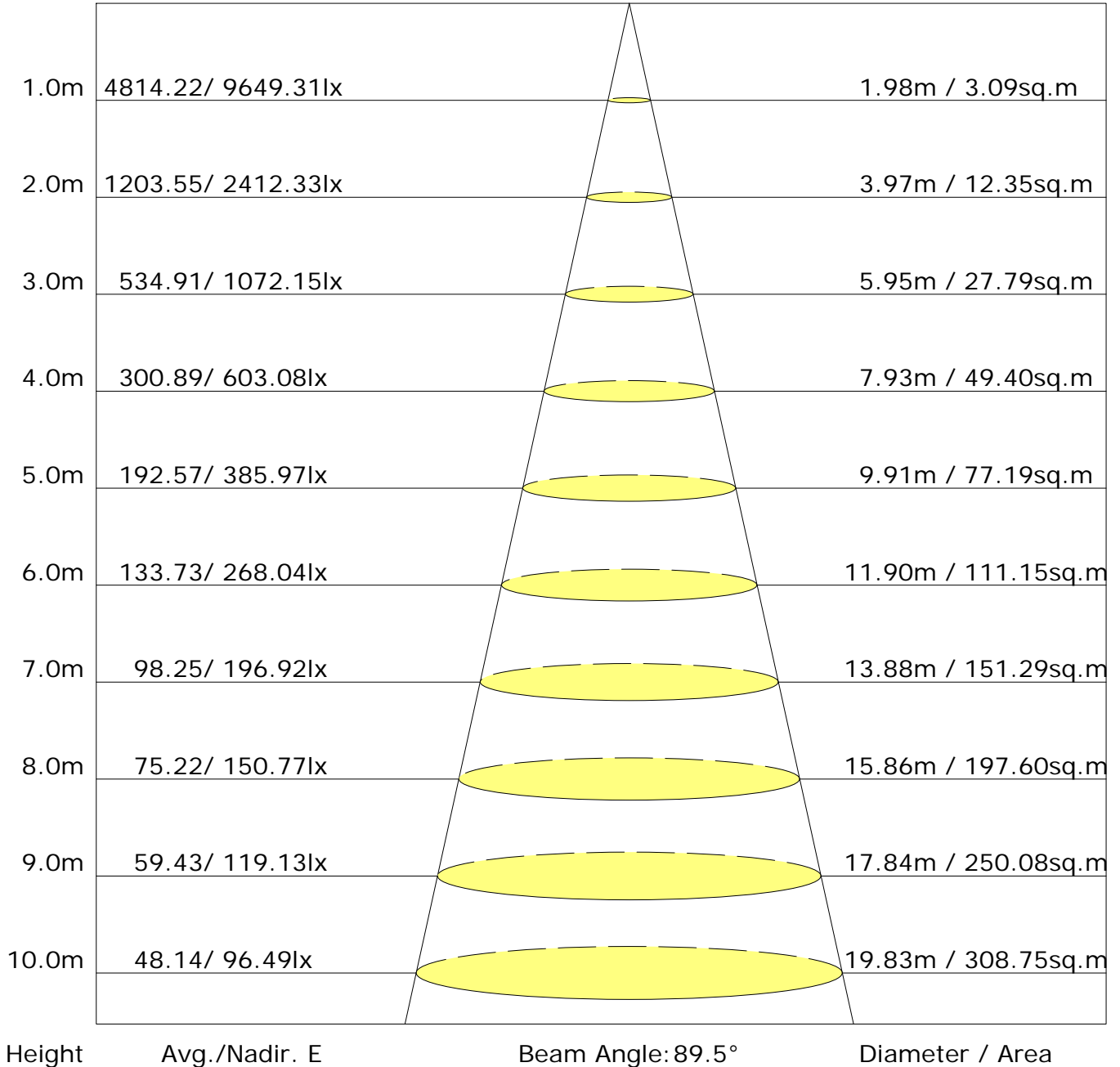
|                     |                     |
|---------------------|---------------------|
| — ( 1%): 96.5 lx    | — ( 2%): 193.0 lx   |
| — ( 5%): 482.5 lx   | — ( 10%): 964.9 lx  |
| — ( 20%): 1929.9 lx | — ( 50%): 4824.7 lx |
| — (100%): 9649.3 lx |                     |

C Plane (°): 0.0-360.0: 22.5  
Test Lab:  
Test Type: TYPE C  
Temperature: 25.7 °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

Flux Out: 14863.71lm



C Plane (°):0.0-360.0: 22.5  
 Test Lab:  
 Test Type: TYPE C  
 Temperature: 25.7 °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  | 9909   | 48.8          |
|  | FL ( 0°-30°)   | 3943   | 19.4          |
|  | FM (30°-60°)   | 5244   | 25.8          |
|  | FH (60°-80°)   | 674    | 3.3           |
|  | FVH (80°-90°)  | 47     | 0.2           |
|  | BACK LIGHT     | 10192  | 50.2          |
|  | BL ( 0°-30°)   | 3988   | 19.6          |
|  | BM (30°-60°)   | 5450   | 26.8          |
|  | BH (60°-80°)   | 707    | 3.5           |
|  | BVH (80°-90°)  | 48     | 0.2           |
|  | UP LIGHT       | 212    | 1.0           |
|  | UL (90°-100°)  | 31     | 0.2           |
|  | UH (100°-180°) | 181    | 0.9           |
|  | TRAPPED LIGHT  | NA     | NA            |

| BUG(Backlight,Uplight,Glare) Rating Base On TM-15-11             |          |
|--|----------|
| Asymmetrical Luminaire Types<br>(Type I,II,III,IV)               | B4 U3 G2 |
| Quadrilateral Symmetrical Luminaire Types<br>(Type V,Area Light) | B4 U3 G1 |

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 Operator:

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



## Zonal Lumen

| Gamma<br>[°] | I <sub>mean</sub><br>[cd] | Zonal Flux<br>[lm] | Sum Zonal Flux<br>[lm] | Rel Zonal Flux<br>[%] | Sum Rel Zonal Flux<br>[%] |
|--------------|---------------------------|--------------------|------------------------|-----------------------|---------------------------|
| 0.0-1.0      | 9647.4                    | 9.2                | 9.2                    | 0.05                  | 0.05                      |
| 1.0-2.0      | 9645.6                    | 27.7               | 36.9                   | 0.14                  | 0.18                      |
| 2.0-3.0      | 9646.8                    | 46.1               | 83.1                   | 0.23                  | 0.41                      |
| 3.0-4.0      | 9646.6                    | 64.6               | 147.6                  | 0.32                  | 0.73                      |
| 4.0-5.0      | 9645.4                    | 83.0               | 230.6                  | 0.41                  | 1.14                      |
| 5.0-6.0      | 9643.1                    | 101.4              | 332.0                  | 0.50                  | 1.63                      |
| 6.0-7.0      | 9640.9                    | 119.7              | 451.7                  | 0.59                  | 2.22                      |
| 7.0-8.0      | 9639.7                    | 138.0              | 589.6                  | 0.68                  | 2.90                      |
| 8.0-9.0      | 9636.4                    | 156.2              | 745.8                  | 0.77                  | 3.67                      |
| 9.0-10.0     | 9632.7                    | 174.3              | 920.2                  | 0.86                  | 4.53                      |
| 10.0-11.0    | 9630.5                    | 192.5              | 1112.6                 | 0.95                  | 5.48                      |
| 11.0-12.0    | 9628.5                    | 210.5              | 1323.2                 | 1.04                  | 6.51                      |
| 12.0-13.0    | 9624.1                    | 228.4              | 1551.6                 | 1.12                  | 7.64                      |
| 13.0-14.0    | 9620.3                    | 246.3              | 1797.9                 | 1.21                  | 8.85                      |
| 14.0-15.0    | 9615.9                    | 264.0              | 2061.9                 | 1.30                  | 10.15                     |
| 15.0-16.0    | 9609.0                    | 281.6              | 2343.5                 | 1.39                  | 11.54                     |
| 16.0-17.0    | 9602.1                    | 299.1              | 2642.5                 | 1.47                  | 13.01                     |
| 17.0-18.0    | 9591.4                    | 316.3              | 2958.8                 | 1.56                  | 14.57                     |
| 18.0-19.0    | 9576.4                    | 333.2              | 3292.0                 | 1.64                  | 16.21                     |
| 19.0-20.0    | 9556.9                    | 349.8              | 3641.9                 | 1.72                  | 17.93                     |
| 20.0-21.0    | 9531.1                    | 366.0              | 4007.9                 | 1.80                  | 19.73                     |
| 21.0-22.0    | 9500.6                    | 381.8              | 4389.7                 | 1.88                  | 21.61                     |
| 22.0-23.0    | 9461.7                    | 397.1              | 4786.8                 | 1.95                  | 23.57                     |
| 23.0-24.0    | 9415.0                    | 411.7              | 5198.5                 | 2.03                  | 25.59                     |
| 24.0-25.0    | 9359.9                    | 425.6              | 5624.1                 | 2.10                  | 27.69                     |
| 25.0-26.0    | 9295.8                    | 438.9              | 6063.0                 | 2.16                  | 29.85                     |
| 26.0-27.0    | 9219.1                    | 451.1              | 6514.1                 | 2.22                  | 32.07                     |
| 27.0-28.0    | 9129.9                    | 462.3              | 6976.4                 | 2.28                  | 34.35                     |
| 28.0-29.0    | 9029.1                    | 472.5              | 7448.9                 | 2.33                  | 36.67                     |
| 29.0-30.0    | 8914.0                    | 481.4              | 7930.2                 | 2.37                  | 39.04                     |
| 30.0-31.0    | 8790.0                    | 489.2              | 8419.4                 | 2.41                  | 41.45                     |
| 31.0-32.0    | 8653.0                    | 495.8              | 8915.2                 | 2.44                  | 43.89                     |
| 32.0-33.0    | 8496.3                    | 500.6              | 9415.8                 | 2.46                  | 46.35                     |
| 33.0-34.0    | 8321.3                    | 503.7              | 9919.5                 | 2.48                  | 48.83                     |
| 34.0-35.0    | 8126.3                    | 504.7              | 10424.2                | 2.48                  | 51.32                     |
| 35.0-36.0    | 7905.5                    | 503.4              | 10927.7                | 2.48                  | 53.80                     |

C Plane (°):0.0-360.0: 22.5  
 Test Lab:  
 Test Type: TYPE C  
 Temperature: 25.7 'C  
 Operator:

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

## Zonal Lumen (Continue 1)

| Gamma<br>[°] | I <sub>mean</sub><br>[cd] | Zonal Flux<br>[lm] | Sum Zonal Flux<br>[lm] | Rel Zonal Flux<br>[%] | Sum Rel Zonal Flux<br>[%] |
|--------------|---------------------------|--------------------|------------------------|-----------------------|---------------------------|
| 36.0-37.0    | 7655.5                    | 499.4              | 11427.0                | 2.46                  | 56.26                     |
| 37.0-38.0    | 7373.9                    | 492.3              | 11919.3                | 2.42                  | 58.68                     |
| 38.0-39.0    | 7058.2                    | 481.8              | 12401.1                | 2.37                  | 61.05                     |
| 39.0-40.0    | 6716.3                    | 468.5              | 12869.6                | 2.31                  | 63.36                     |
| 40.0-41.0    | 6359.4                    | 452.9              | 13322.5                | 2.23                  | 65.59                     |
| 41.0-42.0    | 5994.5                    | 435.6              | 13758.1                | 2.14                  | 67.73                     |
| 42.0-43.0    | 5636.6                    | 417.6              | 14175.7                | 2.06                  | 69.79                     |
| 43.0-44.0    | 5294.3                    | 399.6              | 14575.3                | 1.97                  | 71.76                     |
| 44.0-45.0    | 4964.1                    | 381.5              | 14956.9                | 1.88                  | 73.63                     |
| 45.0-46.0    | 4645.6                    | 363.4              | 15320.2                | 1.79                  | 75.42                     |
| 46.0-47.0    | 4341.5                    | 345.3              | 15665.6                | 1.70                  | 77.12                     |
| 47.0-48.0    | 4045.7                    | 327.1              | 15992.7                | 1.61                  | 78.73                     |
| 48.0-49.0    | 3761.2                    | 308.9              | 16301.6                | 1.52                  | 80.25                     |
| 49.0-50.0    | 3490.1                    | 291.0              | 16592.6                | 1.43                  | 81.69                     |
| 50.0-51.0    | 3226.3                    | 273.0              | 16865.6                | 1.34                  | 83.03                     |
| 51.0-52.0    | 2977.2                    | 255.5              | 17121.1                | 1.26                  | 84.29                     |
| 52.0-53.0    | 2741.0                    | 238.5              | 17359.6                | 1.17                  | 85.46                     |
| 53.0-54.0    | 2518.7                    | 222.0              | 17581.6                | 1.09                  | 86.56                     |
| 54.0-55.0    | 2315.8                    | 206.7              | 17788.4                | 1.02                  | 87.57                     |
| 55.0-56.0    | 2127.4                    | 192.3              | 17980.6                | 0.95                  | 88.52                     |
| 56.0-57.0    | 1955.5                    | 178.8              | 18159.5                | 0.88                  | 89.40                     |
| 57.0-58.0    | 1799.3                    | 166.4              | 18325.9                | 0.82                  | 90.22                     |
| 58.0-59.0    | 1655.0                    | 154.7              | 18480.6                | 0.76                  | 90.98                     |
| 59.0-60.0    | 1523.0                    | 143.9              | 18624.5                | 0.71                  | 91.69                     |
| 60.0-61.0    | 1401.9                    | 133.8              | 18758.3                | 0.66                  | 92.35                     |
| 61.0-62.0    | 1289.5                    | 124.3              | 18882.6                | 0.61                  | 92.96                     |
| 62.0-63.0    | 1185.7                    | 115.3              | 18997.9                | 0.57                  | 93.53                     |
| 63.0-64.0    | 1090.1                    | 107.0              | 19104.9                | 0.53                  | 94.05                     |
| 64.0-65.0    | 1001.4                    | 99.1               | 19204.0                | 0.49                  | 94.54                     |
| 65.0-66.0    | 919.7                     | 91.8               | 19295.8                | 0.45                  | 94.99                     |
| 66.0-67.0    | 843.0                     | 84.8               | 19380.6                | 0.42                  | 95.41                     |
| 67.0-68.0    | 770.7                     | 78.1               | 19458.7                | 0.38                  | 95.80                     |
| 68.0-69.0    | 703.9                     | 71.8               | 19530.5                | 0.35                  | 96.15                     |
| 69.0-70.0    | 642.1                     | 66.0               | 19596.4                | 0.32                  | 96.47                     |
| 70.0-71.0    | 585.2                     | 60.5               | 19656.9                | 0.30                  | 96.77                     |
| 71.0-72.0    | 532.7                     | 55.4               | 19712.3                | 0.27                  | 97.04                     |

C Plane (°):0.0-360.0: 22.5  
 Test Lab:  
 Test Type: TYPE C  
 Temperature: 25.7 'C  
 Operator:

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

## Zonal Lumen (Continue 2)

| Gamma<br>[°] | I <sub>mean</sub><br>[cd] | Zonal Flux<br>[lm] | Sum Zonal Flux<br>[lm] | Rel Zonal Flux<br>[%] | Sum Rel Zonal Flux<br>[%] |
|--------------|---------------------------|--------------------|------------------------|-----------------------|---------------------------|
| 72.0-73.0    | 483.7                     | 50.6               | 19762.9                | 0.25                  | 97.29                     |
| 73.0-74.0    | 439.7                     | 46.2               | 19809.2                | 0.23                  | 97.52                     |
| 74.0-75.0    | 398.2                     | 42.1               | 19851.2                | 0.21                  | 97.73                     |
| 75.0-76.0    | 358.0                     | 38.0               | 19889.2                | 0.19                  | 97.92                     |
| 76.0-77.0    | 322.5                     | 34.4               | 19923.6                | 0.17                  | 98.09                     |
| 77.0-78.0    | 287.7                     | 30.8               | 19954.4                | 0.15                  | 98.24                     |
| 78.0-79.0    | 253.5                     | 27.2               | 19981.7                | 0.13                  | 98.37                     |
| 79.0-80.0    | 221.8                     | 23.9               | 20005.6                | 0.12                  | 98.49                     |
| 80.0-81.0    | 191.1                     | 20.7               | 20026.3                | 0.10                  | 98.59                     |
| 81.0-82.0    | 162.4                     | 17.6               | 20043.9                | 0.09                  | 98.68                     |
| 82.0-83.0    | 136.1                     | 14.8               | 20058.7                | 0.07                  | 98.75                     |
| 83.0-84.0    | 109.7                     | 11.9               | 20070.6                | 0.06                  | 98.81                     |
| 84.0-85.0    | 82.2                      | 9.0                | 20079.6                | 0.04                  | 98.85                     |
| 85.0-86.0    | 58.0                      | 6.3                | 20085.9                | 0.03                  | 98.88                     |
| 86.0-87.0    | 41.5                      | 4.5                | 20090.5                | 0.02                  | 98.91                     |
| 87.0-88.0    | 32.7                      | 3.6                | 20094.0                | 0.02                  | 98.92                     |
| 88.0-89.0    | 30.0                      | 3.3                | 20097.3                | 0.02                  | 98.94                     |
| 89.0-90.0    | 29.5                      | 3.2                | 20100.6                | 0.02                  | 98.96                     |
| 90.0-91.0    | 29.1                      | 3.2                | 20103.7                | 0.02                  | 98.97                     |
| 91.0-92.0    | 29.3                      | 3.2                | 20107.0                | 0.02                  | 98.99                     |
| 92.0-93.0    | 28.9                      | 3.2                | 20110.1                | 0.02                  | 99.00                     |
| 93.0-94.0    | 28.8                      | 3.2                | 20113.3                | 0.02                  | 99.02                     |
| 94.0-95.0    | 28.4                      | 3.1                | 20116.4                | 0.02                  | 99.03                     |
| 95.0-96.0    | 27.5                      | 3.0                | 20119.4                | 0.01                  | 99.05                     |
| 96.0-97.0    | 28.0                      | 3.0                | 20122.4                | 0.01                  | 99.06                     |
| 97.0-98.0    | 28.3                      | 3.1                | 20125.5                | 0.02                  | 99.08                     |
| 98.0-99.0    | 28.7                      | 3.1                | 20128.6                | 0.02                  | 99.09                     |
| 99.0-100.0   | 28.7                      | 3.1                | 20131.7                | 0.02                  | 99.11                     |
| 100.0-101.0  | 28.5                      | 3.1                | 20134.8                | 0.02                  | 99.12                     |
| 101.0-102.0  | 28.4                      | 3.1                | 20137.9                | 0.02                  | 99.14                     |
| 102.0-103.0  | 28.1                      | 3.0                | 20140.9                | 0.01                  | 99.15                     |
| 103.0-104.0  | 27.9                      | 3.0                | 20143.8                | 0.01                  | 99.17                     |
| 104.0-105.0  | 29.0                      | 3.1                | 20146.9                | 0.02                  | 99.18                     |
| 105.0-106.0  | 29.9                      | 3.2                | 20150.1                | 0.02                  | 99.20                     |
| 106.0-107.0  | 29.1                      | 3.1                | 20153.1                | 0.02                  | 99.21                     |
| 107.0-108.0  | 28.4                      | 3.0                | 20156.1                | 0.01                  | 99.23                     |

C Plane (°):0.0-360.0: 22.5  
 Test Lab:  
 Test Type: TYPE C  
 Temperature: 25.7 'C  
 Operator:

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

### Zonal Lumen (Continue 3)

| Gamma<br>[°] | I <sub>mean</sub><br>[cd] | Zonal Flux<br>[lm] | Sum Zonal Flux<br>[lm] | Rel Zonal Flux<br>[%] | Sum Rel Zonal Flux<br>[%] |
|--------------|---------------------------|--------------------|------------------------|-----------------------|---------------------------|
| 108.0-109.0  | 28.2                      | 2.9                | 20159.0                | 0.01                  | 99.24                     |
| 109.0-110.0  | 28.5                      | 3.0                | 20162.0                | 0.01                  | 99.26                     |
| 110.0-111.0  | 29.5                      | 3.0                | 20165.0                | 0.01                  | 99.27                     |
| 111.0-112.0  | 29.6                      | 3.0                | 20168.0                | 0.01                  | 99.29                     |
| 112.0-113.0  | 30.1                      | 3.0                | 20171.1                | 0.02                  | 99.30                     |
| 113.0-114.0  | 29.6                      | 3.0                | 20174.1                | 0.01                  | 99.32                     |
| 114.0-115.0  | 29.3                      | 2.9                | 20177.0                | 0.01                  | 99.33                     |
| 115.0-116.0  | 30.3                      | 3.0                | 20180.0                | 0.01                  | 99.35                     |
| 116.0-117.0  | 30.3                      | 3.0                | 20183.0                | 0.01                  | 99.36                     |
| 117.0-118.0  | 29.7                      | 2.9                | 20185.8                | 0.01                  | 99.38                     |
| 118.0-119.0  | 29.7                      | 2.9                | 20188.7                | 0.01                  | 99.39                     |
| 119.0-120.0  | 30.8                      | 2.9                | 20191.6                | 0.01                  | 99.40                     |
| 120.0-121.0  | 30.3                      | 2.9                | 20194.5                | 0.01                  | 99.42                     |
| 121.0-122.0  | 29.8                      | 2.8                | 20197.3                | 0.01                  | 99.43                     |
| 122.0-123.0  | 30.6                      | 2.8                | 20200.1                | 0.01                  | 99.45                     |
| 123.0-124.0  | 31.0                      | 2.8                | 20203.0                | 0.01                  | 99.46                     |
| 124.0-125.0  | 30.5                      | 2.8                | 20205.7                | 0.01                  | 99.47                     |
| 125.0-126.0  | 31.5                      | 2.8                | 20208.5                | 0.01                  | 99.49                     |
| 126.0-127.0  | 33.9                      | 3.0                | 20211.5                | 0.01                  | 99.50                     |
| 127.0-128.0  | 33.7                      | 2.9                | 20214.4                | 0.01                  | 99.52                     |
| 128.0-129.0  | 32.3                      | 2.8                | 20217.2                | 0.01                  | 99.53                     |
| 129.0-130.0  | 31.8                      | 2.7                | 20219.9                | 0.01                  | 99.54                     |
| 130.0-131.0  | 32.6                      | 2.7                | 20222.6                | 0.01                  | 99.56                     |
| 131.0-132.0  | 33.7                      | 2.8                | 20225.4                | 0.01                  | 99.57                     |
| 132.0-133.0  | 34.8                      | 2.8                | 20228.2                | 0.01                  | 99.58                     |
| 133.0-134.0  | 34.5                      | 2.7                | 20231.0                | 0.01                  | 99.60                     |
| 134.0-135.0  | 35.0                      | 2.7                | 20233.7                | 0.01                  | 99.61                     |
| 135.0-136.0  | 36.6                      | 2.8                | 20236.5                | 0.01                  | 99.63                     |
| 136.0-137.0  | 36.0                      | 2.7                | 20239.2                | 0.01                  | 99.64                     |
| 137.0-138.0  | 35.6                      | 2.6                | 20241.9                | 0.01                  | 99.65                     |
| 138.0-139.0  | 37.1                      | 2.7                | 20244.5                | 0.01                  | 99.67                     |
| 139.0-140.0  | 39.3                      | 2.8                | 20247.3                | 0.01                  | 99.68                     |
| 140.0-141.0  | 39.5                      | 2.8                | 20250.1                | 0.01                  | 99.69                     |
| 141.0-142.0  | 39.9                      | 2.7                | 20252.8                | 0.01                  | 99.71                     |
| 142.0-143.0  | 40.2                      | 2.7                | 20255.5                | 0.01                  | 99.72                     |
| 143.0-144.0  | 40.1                      | 2.6                | 20258.1                | 0.01                  | 99.73                     |

C Plane (°):0.0-360.0: 22.5  
 Test Lab:  
 Test Type: TYPE C  
 Temperature: 25.7 'C  
 Operator:

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

### Zonal Lumen (Continue 4)

| Gamma<br>[°] | I <sub>mean</sub><br>[cd] | Zonal Flux<br>[lm] | Sum Zonal Flux<br>[lm] | Rel Zonal Flux<br>[%] | Sum Rel Zonal Flux<br>[%] |
|--------------|---------------------------|--------------------|------------------------|-----------------------|---------------------------|
| 144.0-145.0  | 41.0                      | 2.6                | 20260.7                | 0.01                  | 99.74                     |
| 145.0-146.0  | 40.9                      | 2.5                | 20263.3                | 0.01                  | 99.76                     |
| 146.0-147.0  | 41.8                      | 2.5                | 20265.8                | 0.01                  | 99.77                     |
| 147.0-148.0  | 43.3                      | 2.6                | 20268.4                | 0.01                  | 99.78                     |
| 148.0-149.0  | 43.6                      | 2.5                | 20270.9                | 0.01                  | 99.79                     |
| 149.0-150.0  | 44.1                      | 2.5                | 20273.3                | 0.01                  | 99.81                     |
| 150.0-151.0  | 43.7                      | 2.4                | 20275.7                | 0.01                  | 99.82                     |
| 151.0-152.0  | 43.7                      | 2.3                | 20278.0                | 0.01                  | 99.83                     |
| 152.0-153.0  | 43.9                      | 2.2                | 20280.2                | 0.01                  | 99.84                     |
| 153.0-154.0  | 44.3                      | 2.2                | 20282.3                | 0.01                  | 99.85                     |
| 154.0-155.0  | 46.0                      | 2.2                | 20284.5                | 0.01                  | 99.86                     |
| 155.0-156.0  | 47.1                      | 2.1                | 20286.7                | 0.01                  | 99.87                     |
| 156.0-157.0  | 46.6                      | 2.0                | 20288.7                | 0.01                  | 99.88                     |
| 157.0-158.0  | 47.5                      | 2.0                | 20290.7                | 0.01                  | 99.89                     |
| 158.0-159.0  | 48.5                      | 1.9                | 20292.6                | 0.01                  | 99.90                     |
| 159.0-160.0  | 46.2                      | 1.8                | 20294.4                | 0.01                  | 99.91                     |
| 160.0-161.0  | 45.5                      | 1.7                | 20296.1                | 0.01                  | 99.92                     |
| 161.0-162.0  | 47.8                      | 1.7                | 20297.7                | 0.01                  | 99.93                     |
| 162.0-163.0  | 48.6                      | 1.6                | 20299.3                | 0.01                  | 99.93                     |
| 163.0-164.0  | 47.8                      | 1.5                | 20300.8                | 0.01                  | 99.94                     |
| 164.0-165.0  | 47.7                      | 1.4                | 20302.2                | 0.01                  | 99.95                     |
| 165.0-166.0  | 48.3                      | 1.3                | 20303.6                | 0.01                  | 99.96                     |
| 166.0-167.0  | 47.2                      | 1.2                | 20304.8                | 0.01                  | 99.96                     |
| 167.0-168.0  | 48.5                      | 1.2                | 20305.9                | 0.01                  | 99.97                     |
| 168.0-169.0  | 50.2                      | 1.1                | 20307.0                | 0.01                  | 99.97                     |
| 169.0-170.0  | 48.5                      | 1.0                | 20308.0                | 0.00                  | 99.98                     |
| 170.0-171.0  | 48.4                      | 0.9                | 20308.9                | 0.00                  | 99.98                     |
| 171.0-172.0  | 49.1                      | 0.8                | 20309.7                | 0.00                  | 99.99                     |
| 172.0-173.0  | 49.0                      | 0.7                | 20310.4                | 0.00                  | 99.99                     |
| 173.0-174.0  | 47.6                      | 0.6                | 20310.9                | 0.00                  | 99.99                     |
| 174.0-175.0  | 47.6                      | 0.5                | 20311.4                | 0.00                  | 99.99                     |
| 175.0-176.0  | 48.8                      | 0.4                | 20311.9                | 0.00                  | 100.00                    |
| 176.0-177.0  | 47.3                      | 0.3                | 20312.2                | 0.00                  | 100.00                    |
| 177.0-178.0  | 46.5                      | 0.2                | 20312.4                | 0.00                  | 100.00                    |
| 178.0-179.0  | 47.9                      | 0.1                | 20312.5                | 0.00                  | 100.00                    |
| 179.0-180.0  | 47.2                      | 0.0                | 20312.6                | 0.00                  | 100.00                    |

C Plane (°):0.0-360.0: 22.5  
 Test Lab:  
 Test Type: TYPE C  
 Temperature: 25.7 'C  
 Operator:

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