**Luminaire Property**

Luminaire Manufacturer:

- Voltage: 119.9 V
- Current: 0.9158 A
- Power: 109.44 W
- Power Factor: 0.9958

**Photometric Results**

- CIE Class: Direct
- Measurement Flux: 16356.3 lm
- Downward Ratio: 100%
- Upward Ratio: 0%
- Horizontal Diffuse Angle(10%,50%): H145,H111.8
- Vertical Diffuse Angle(10%,50%): V160.4,V117.4
- Luminaire Efficacy Rating (LER): 149.45
- Total Rated Lamp Lumens: 16356.3 lm
- Max. Intensity: 5748 cd
- S/MH(C0/C180): 1.29
- Efficiency: 100%
- Central Intensity: 5741.36 cd
- Pos of Max. Intensity: H157.5 V3
- S/MH(C90/C270): 1.29

**Average Diffuse Angle(50%):** 114.6°

- C Plane (°): 0.0-360.0: 22.5
- Gamma Plane (°): 0.0-180.0: 1.0

**Picture Of Luminaire**

**Luminous Intensity Distribution Curve**

- Unit: cd
- C0-C180
- C90-C270
- G3

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Test Lab: GPM-3000
Test Type: TYPE C
Distance: 17.398 m
Temperature: 28.1 °C
Operator:
Inspector:
Luminous Intensity Distribution Curve

C Plane (°): 0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 28.1 °C
Operator:

Gamma Plane (°): 0.0-180.0: 1.0
Test Device: GPM-3000
Distance: 17.398 m
Humidity:
Inspector:
**IsoLux Plot**

Mounting Height: 10.0m

- (1%) = 0.6 lx
- (5%) = 2.9 lx
- (20%) = 11.5 lx
- (100%) = 57.4 lx

Max Lux(100%) = 57.4 lx

- (2%) = 1.1 lx
- (10%) = 5.7 lx
- (50%) = 28.7 lx

C Plane (°): 0.0-360.0: 22.5
Gamma Plane (°): 0.0-180.0: 1.0

Test Lab: 
Test Device: GPM-3000
Test Type: TYPE C
Distance: 17.398 m
Temperature: 28.1 °C
Humidity: 
Operator: 
Inspector:
Illuminance at a Distance

<table>
<thead>
<tr>
<th>Dist(m)</th>
<th>Enadir(lx)</th>
<th>Dh/Dv_B(m)</th>
<th>S_B(sq.m)</th>
<th>Eav_B(lx)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.0</td>
<td>5741.36</td>
<td>2.95/3.29</td>
<td>8.0</td>
<td>877.22</td>
</tr>
<tr>
<td>2.0</td>
<td>1435.34</td>
<td>5.91/6.58</td>
<td>31.8</td>
<td>219.31</td>
</tr>
<tr>
<td>3.0</td>
<td>637.93</td>
<td>8.86/9.86</td>
<td>71.6</td>
<td>97.47</td>
</tr>
<tr>
<td>4.0</td>
<td>358.84</td>
<td>11.81/13.15</td>
<td>127.3</td>
<td>54.83</td>
</tr>
<tr>
<td>5.0</td>
<td>229.65</td>
<td>14.76/16.44</td>
<td>199.0</td>
<td>35.09</td>
</tr>
<tr>
<td>6.0</td>
<td>159.48</td>
<td>17.72/19.73</td>
<td>286.5</td>
<td>24.37</td>
</tr>
<tr>
<td>7.0</td>
<td>117.17</td>
<td>20.67/23.01</td>
<td>390.0</td>
<td>17.90</td>
</tr>
<tr>
<td>8.0</td>
<td>89.71</td>
<td>23.62/26.30</td>
<td>509.4</td>
<td>13.71</td>
</tr>
<tr>
<td>9.0</td>
<td>70.88</td>
<td>26.58/29.59</td>
<td>644.7</td>
<td>10.83</td>
</tr>
<tr>
<td>10.0</td>
<td>57.41</td>
<td>29.53/32.88</td>
<td>795.9</td>
<td>8.77</td>
</tr>
</tbody>
</table>

Beam Angle(B): H111.8 V117.4  Field Angle(F): H145.0 V160.4

C Plane (°):0.0-360.0: 22.5
Gamma Plane (°):0.0-180.0:1.0
Test Lab:
Test Type: TYPE C
Temperature: 28.1 °C
Operator:

Test Device: GPM-3000
Distance: 17.398 m
Humidity:
Inspector:
Vertical IsoLux Plot

Lowest(m): 1.0m  Highest(m): 11.0m  Max Lux: 5741.4 lx

(  1%):  57.4 lx  ( 2%): 114.8 lx
(  5%): 287.1 lx   (10%): 574.1 lx
(20%):1148.3 lx   (50%):2870.7 lx
(100%):5741.4 lx

C Plane (°):0.0-360.0: 22.5
Gamma Plane (°):0.0-180.0:1.0
Test Lab:
Test Device: GPM-3000
Test Type: TYPE C
Distance: 17.398 m
Temperature: 28.1 ºC
Humidity:
Operator:
Inspector:
# The Average Illuminance Effective Figure

<table>
<thead>
<tr>
<th>Height</th>
<th>Avg./Nadir. E</th>
<th>Beam Angle: 111.8°</th>
<th>Diameter / Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.0m</td>
<td>1805.35/5741.36lx</td>
<td>2.95m / 6.85sq.m</td>
<td></td>
</tr>
<tr>
<td>2.0m</td>
<td>451.34/1435.34lx</td>
<td>5.91m / 27.39sq.m</td>
<td></td>
</tr>
<tr>
<td>3.0m</td>
<td>200.59/637.93lx</td>
<td>8.86m / 61.63sq.m</td>
<td></td>
</tr>
<tr>
<td>4.0m</td>
<td>112.83/358.84lx</td>
<td>11.81m / 109.57sq.m</td>
<td></td>
</tr>
<tr>
<td>5.0m</td>
<td>72.21/229.65lx</td>
<td>14.76m / 171.20sq.m</td>
<td></td>
</tr>
<tr>
<td>6.0m</td>
<td>50.15/159.48lx</td>
<td>17.72m / 246.52sq.m</td>
<td></td>
</tr>
<tr>
<td>7.0m</td>
<td>36.84/117.17lx</td>
<td>20.67m / 335.54sq.m</td>
<td></td>
</tr>
<tr>
<td>8.0m</td>
<td>28.21/89.71lx</td>
<td>23.62m / 438.26sq.m</td>
<td></td>
</tr>
<tr>
<td>9.0m</td>
<td>22.29/70.88lx</td>
<td>26.58m / 554.67sq.m</td>
<td></td>
</tr>
<tr>
<td>10.0m</td>
<td>18.05/57.41lx</td>
<td>29.53m / 684.78sq.m</td>
<td></td>
</tr>
</tbody>
</table>

Flux Out: 12362.74lm

C Plane (°): 0.0-360.0: 22.5
Gamma Plane (°): 0.0-180.0: 1.0
Test Lab: 
Test Type: TYPE C
Temperature: 28.1 °C
Operator: