

Report No.:

Test Time: 2024/3/13 19:50

## Luminaire Property

Luminaire Manufacturer:  
Luminaire Category:  
Lamp Catalog:  
Number of Lamps:  
Luminous Length (mm):  
Luminous Height (mm):  
Current: 0.720 A  
Power Factor: 0.918

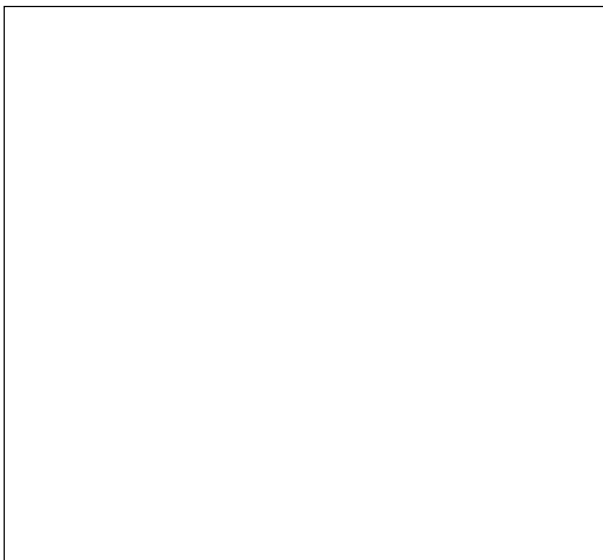
Luminaire Description: MIRAGE-V2 489121  
Lamp Description:  
Lumens per Lamp:  
Luminous Width (mm):  
Voltage: 12.1 V  
Power: 8.01 W

## Photometric Results

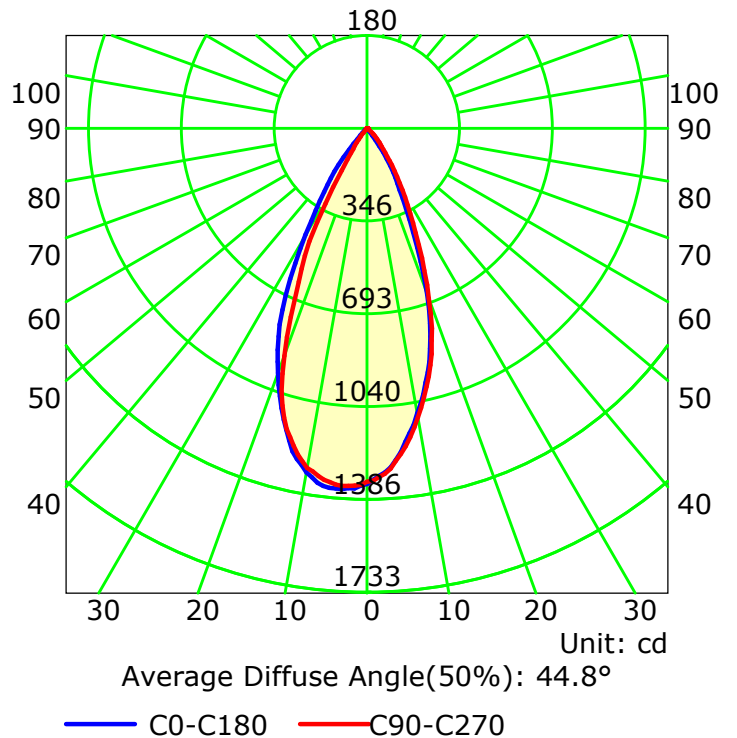
IES Classification: Type I  
Total Rated Lamp Lumens: 754.0 lm  
Efficiency: 100%  
Upward Ratio: 0%  
C0r0 Intensity: 1328.9 cd  
Pos of Max. Intensity: H225 V5

Longitudinal Classification: Very Short  
Measurement Flux: 754 lm  
Downward Ratio: 100%  
Luminaire Efficacy Rating (LER): 94.19  
Max. Intensity: 1359 cd

Picture Of Luminaire



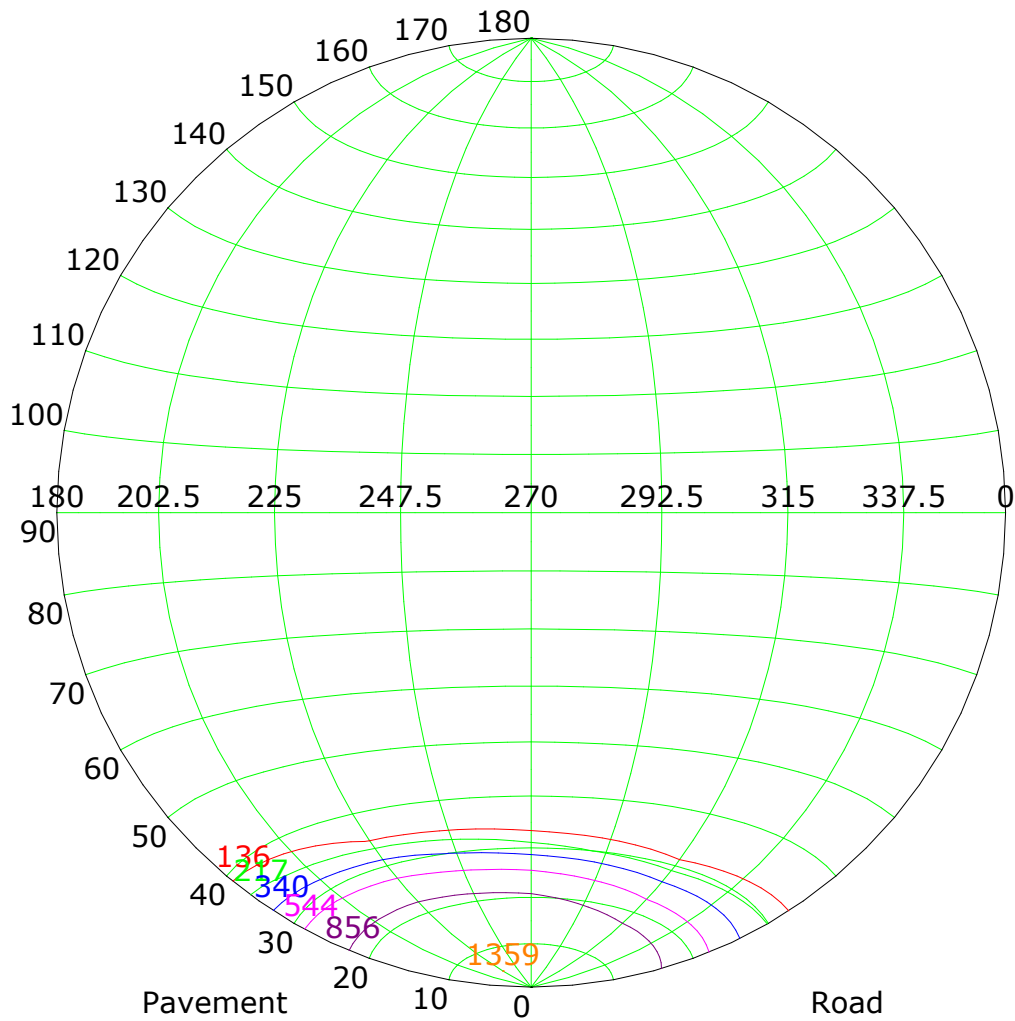
Luminous Intensity Distribution Curve



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

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1800B  
Distance: 11.655 m [K=1.0000]  
Humidity:  
Inspector:

## Isocandela (sphere)



Imax (100%): 1359 cd

— ( 10%): 136 cd	— ( 16%): 217 cd
— ( 25%): 340 cd	— ( 40%): 544 cd
— ( 63%): 856 cd	— (100%): 1359 cd

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

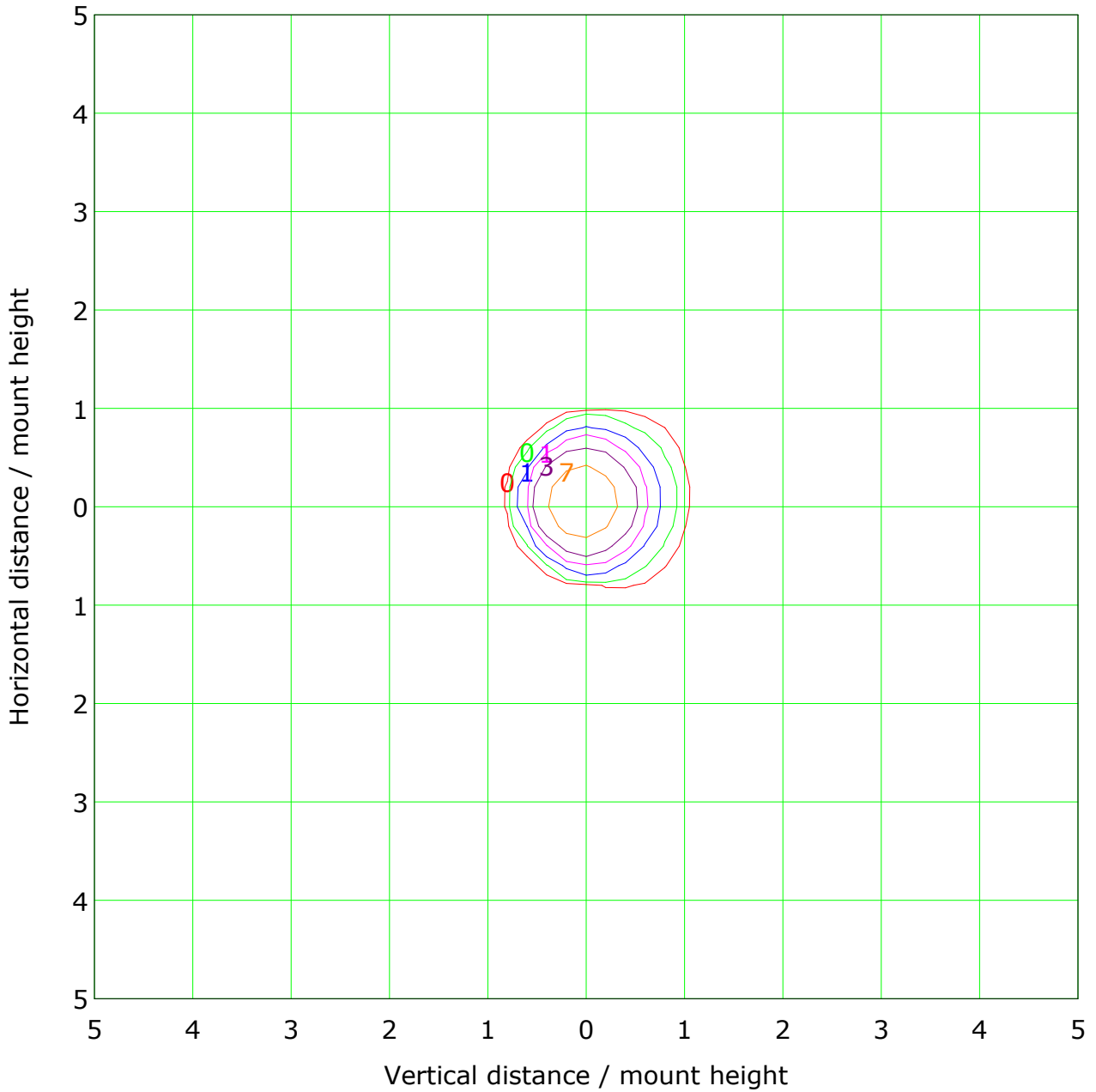
Test Device: GPM-1800B

Distance: 11.655 m [K=1.0000]

Humidity:

Inspector:

## IsoLux Plot



Mounting Height: 10.0m		Max Lux(100%): 13.5 lx	
<ul style="list-style-type: none"> <li><span style="color: red;">—</span> ( 1%): 0.1 lx</li> <li><span style="color: blue;">—</span> ( 5%): 0.7 lx</li> <li><span style="color: purple;">—</span> (20%): 2.7 lx</li> <li><span style="color: green;">—</span> (100%): 13.5 lx</li> </ul>	<ul style="list-style-type: none"> <li><span style="color: green;">—</span> ( 2%): 0.3 lx</li> <li><span style="color: magenta;">—</span> (10%): 1.3 lx</li> <li><span style="color: orange;">—</span> (50%): 6.7 lx</li> </ul>		

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

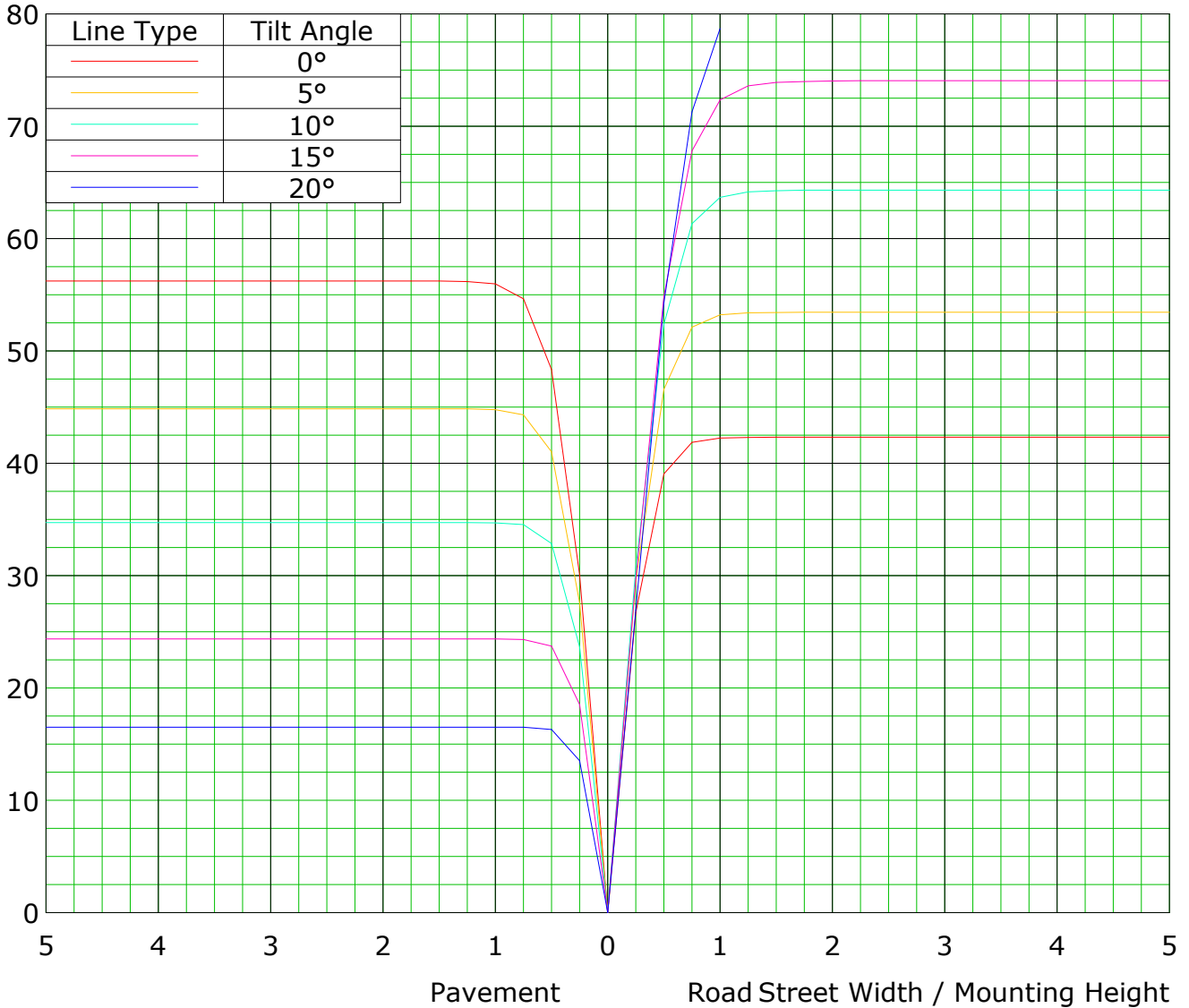
Distance: 11.655 m [K=1.0000]

Humidity:

Inspector:

## Roadway CU Curve

Efficiency(%)



C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

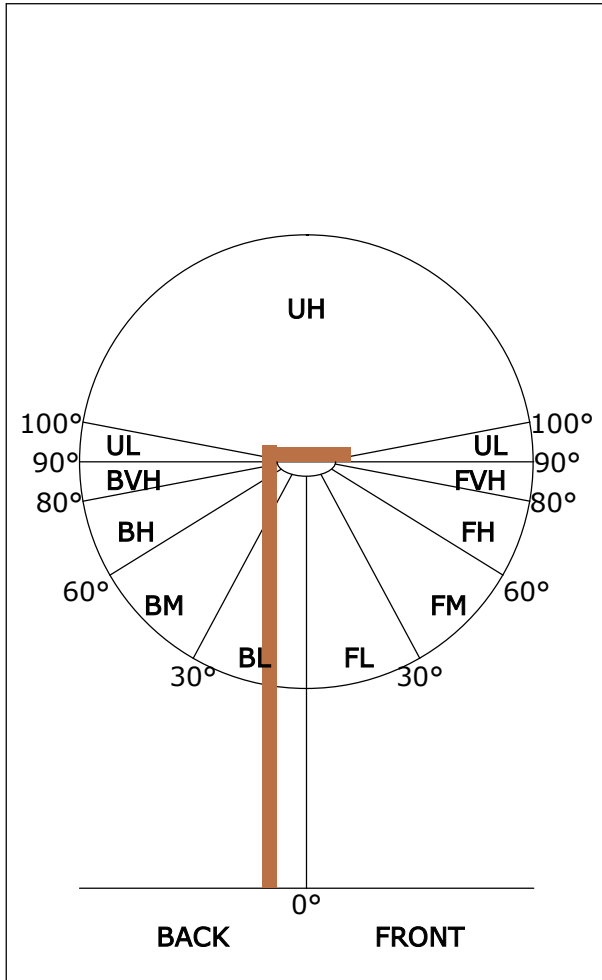
Test Device: GPM-1800B

Distance: 11.655 m [K=1.0000]

Humidity:

Inspector:

**FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM**



ZONE	LUMENS	% LAMP LUMENS
FORWARD LIGHT	322	42.7
FL ( 0°-30°)	284	37.6
FM (30°-60°)	39	5.1
FH (60°-80°)	0	0.0
FVH (80°-90°)	0	0.0
BACK LIGHT	432	57.3
BL ( 0°-30°)	357	47.4
BM (30°-60°)	75	9.9
BH (60°-80°)	0	0.0
BVH (80°-90°)	0	0.0
UP LIGHT	0	0.0
UL (90°-100°)	0	0.0
UH (100°-180°)	0	0.0
TRAPPED LIGHT	NA	NA

BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B1 U0 G0
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B1 U0 G0

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

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.655 m [K=1.0000]  
 Humidity:  
 Inspector:

## Zonal Lumen

Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	1324.0	1.3	1.3	0.17	0.17
1.0-2.0	1322.3	3.8	5.1	0.50	0.67
2.0-3.0	1318.3	6.3	11.4	0.84	1.51
3.0-4.0	1312.0	8.8	20.2	1.16	2.67
4.0-5.0	1301.4	11.2	31.3	1.49	4.16
5.0-6.0	1286.5	13.5	44.9	1.79	5.95
6.0-7.0	1269.7	15.8	60.6	2.09	8.04
7.0-8.0	1250.5	17.9	78.5	2.37	10.42
8.0-9.0	1228.3	19.9	98.4	2.64	13.06
9.0-10.0	1203.3	21.8	120.2	2.89	15.94
10.0-11.0	1175.9	23.5	143.7	3.12	19.06
11.0-12.0	1147.1	25.1	168.8	3.33	22.39
12.0-13.0	1115.9	26.5	195.3	3.51	25.90
13.0-14.0	1081.9	27.7	223.0	3.67	29.57
14.0-15.0	1045.5	28.7	251.7	3.81	33.38
15.0-16.0	1006.5	29.5	281.2	3.91	37.29
16.0-17.0	964.4	30.0	311.2	3.98	41.27
17.0-18.0	919.6	30.3	341.5	4.02	45.30
18.0-19.0	870.6	30.3	371.8	4.02	49.31
19.0-20.0	818.6	30.0	401.8	3.97	53.29
20.0-21.0	765.0	29.4	431.2	3.90	57.18
21.0-22.0	709.5	28.5	459.7	3.78	60.97
22.0-23.0	654.7	27.5	487.2	3.64	64.61
23.0-24.0	601.1	26.3	513.5	3.49	68.10
24.0-25.0	549.3	25.0	538.4	3.31	71.41
25.0-26.0	501.3	23.7	562.1	3.14	74.55
26.0-27.0	454.8	22.3	584.4	2.95	77.50
27.0-28.0	406.5	20.6	604.9	2.73	80.23
28.0-29.0	359.3	18.8	623.7	2.49	82.72
29.0-30.0	315.4	17.0	640.8	2.26	84.98
30.0-31.0	273.1	15.2	656.0	2.02	87.00
31.0-32.0	233.7	13.4	669.4	1.78	88.77
32.0-33.0	200.0	11.8	681.1	1.56	90.33
33.0-34.0	171.3	10.4	691.5	1.38	91.71
34.0-35.0	146.0	9.1	700.6	1.20	92.91
35.0-36.0	124.3	7.9	708.5	1.05	93.96

C Plane (°):0.0-360.0: 45.0  
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Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.655 m [K=1.0000]  
 Humidity:  
 Inspector:

## Zonal Lumen (Continue 1)

Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	105.9	6.9	715.4	0.92	94.88
37.0-38.0	89.9	6.0	721.4	0.80	95.67
38.0-39.0	75.2	5.1	726.5	0.68	96.36
39.0-40.0	62.5	4.4	730.9	0.58	96.93
40.0-41.0	51.6	3.7	734.6	0.49	97.42
41.0-42.0	42.4	3.1	737.7	0.41	97.83
42.0-43.0	34.8	2.6	740.2	0.34	98.17
43.0-44.0	28.8	2.2	742.4	0.29	98.46
44.0-45.0	24.4	1.9	744.3	0.25	98.71
45.0-46.0	21.1	1.7	745.9	0.22	98.93
46.0-47.0	18.1	1.4	747.4	0.19	99.12
47.0-48.0	15.6	1.3	748.6	0.17	99.28
48.0-49.0	13.6	1.1	749.7	0.15	99.43
49.0-50.0	11.6	1.0	750.7	0.13	99.56
50.0-51.0	9.3	0.8	751.5	0.10	99.67
51.0-52.0	7.0	0.6	752.1	0.08	99.75
52.0-53.0	5.4	0.5	752.6	0.06	99.81
53.0-54.0	4.2	0.4	752.9	0.05	99.86
54.0-55.0	3.2	0.3	753.2	0.04	99.89
55.0-56.0	2.6	0.2	753.5	0.03	99.93
56.0-57.0	2.0	0.2	753.6	0.02	99.95
57.0-58.0	1.5	0.1	753.8	0.02	99.97
58.0-59.0	1.1	0.1	753.9	0.01	99.98
59.0-60.0	0.7	0.1	754.0	0.01	99.99
60.0-61.0	0.4	0.0	754.0	0.01	100.00
61.0-62.0	0.2	0.0	754.0	0.00	100.00
62.0-63.0	0.1	0.0	754.0	0.00	100.00
63.0-64.0	0.0	0.0	754.0	0.00	100.00
64.0-65.0	0.0	0.0	754.0	0.00	100.00
65.0-66.0	0.0	0.0	754.0	0.00	100.00
66.0-67.0	0.0	0.0	754.0	0.00	100.00
67.0-68.0	0.0	0.0	754.0	0.00	100.00
68.0-69.0	0.0	0.0	754.0	0.00	100.00
69.0-70.0	0.0	0.0	754.0	0.00	100.00
70.0-71.0	0.0	0.0	754.0	0.00	100.00
71.0-72.0	0.0	0.0	754.0	0.00	100.00

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

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.655 m [K=1.0000]  
 Humidity:  
 Inspector:

## Zonal Lumen (Continue 2)

Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	0.0	0.0	754.0	0.00	100.00
73.0-74.0	0.0	0.0	754.0	0.00	100.00
74.0-75.0	0.0	0.0	754.0	0.00	100.00
75.0-76.0	0.0	0.0	754.0	0.00	100.00
76.0-77.0	0.0	0.0	754.0	0.00	100.00
77.0-78.0	0.0	0.0	754.0	0.00	100.00
78.0-79.0	0.0	0.0	754.0	0.00	100.00
79.0-80.0	0.0	0.0	754.0	0.00	100.00
80.0-81.0	0.0	0.0	754.0	0.00	100.00
81.0-82.0	0.0	0.0	754.0	0.00	100.00
82.0-83.0	0.0	0.0	754.0	0.00	100.00
83.0-84.0	0.0	0.0	754.0	0.00	100.00
84.0-85.0	0.0	0.0	754.0	0.00	100.00
85.0-86.0	0.0	0.0	754.0	0.00	100.00
86.0-87.0	0.0	0.0	754.0	0.00	100.00
87.0-88.0	0.0	0.0	754.0	0.00	100.00
88.0-89.0	0.0	0.0	754.0	0.00	100.00
89.0-90.0	0.0	0.0	754.0	0.00	100.00
90.0-91.0	0.0	0.0	754.0	0.00	100.00
91.0-92.0	0.0	0.0	754.0	0.00	100.00
92.0-93.0	0.0	0.0	754.0	0.00	100.00
93.0-94.0	0.0	0.0	754.0	0.00	100.00
94.0-95.0	0.0	0.0	754.0	0.00	100.00
95.0-96.0	0.0	0.0	754.0	0.00	100.00
96.0-97.0	0.0	0.0	754.0	0.00	100.00
97.0-98.0	0.0	0.0	754.0	0.00	100.00
98.0-99.0	0.0	0.0	754.0	0.00	100.00
99.0-100.0	0.0	0.0	754.0	0.00	100.00
100.0-101.0	0.0	0.0	754.0	0.00	100.00
101.0-102.0	0.0	0.0	754.0	0.00	100.00
102.0-103.0	0.0	0.0	754.0	0.00	100.00
103.0-104.0	0.0	0.0	754.0	0.00	100.00
104.0-105.0	0.0	0.0	754.0	0.00	100.00
105.0-106.0	0.0	0.0	754.0	0.00	100.00
106.0-107.0	0.0	0.0	754.0	0.00	100.00
107.0-108.0	0.0	0.0	754.0	0.00	100.00

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

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.655 m [K=1.0000]  
 Humidity:  
 Inspector:



### Zonal Lumen (Continue 3)

Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	0.0	0.0	754.0	0.00	100.00
109.0-110.0	0.0	0.0	754.0	0.00	100.00
110.0-111.0	0.0	0.0	754.0	0.00	100.00
111.0-112.0	0.0	0.0	754.0	0.00	100.00
112.0-113.0	0.0	0.0	754.0	0.00	100.00
113.0-114.0	0.0	0.0	754.0	0.00	100.00
114.0-115.0	0.0	0.0	754.0	0.00	100.00
115.0-116.0	0.0	0.0	754.0	0.00	100.00
116.0-117.0	0.0	0.0	754.0	0.00	100.00
117.0-118.0	0.0	0.0	754.0	0.00	100.00
118.0-119.0	0.0	0.0	754.0	0.00	100.00
119.0-120.0	0.0	0.0	754.0	0.00	100.00
120.0-121.0	0.0	0.0	754.0	0.00	100.00
121.0-122.0	0.0	0.0	754.0	0.00	100.00
122.0-123.0	0.0	0.0	754.0	0.00	100.00
123.0-124.0	0.0	0.0	754.0	0.00	100.00
124.0-125.0	0.0	0.0	754.0	0.00	100.00
125.0-126.0	0.0	0.0	754.0	0.00	100.00
126.0-127.0	0.0	0.0	754.0	0.00	100.00
127.0-128.0	0.0	0.0	754.0	0.00	100.00
128.0-129.0	0.0	0.0	754.0	0.00	100.00
129.0-130.0	0.0	0.0	754.0	0.00	100.00
130.0-131.0	0.0	0.0	754.0	0.00	100.00
131.0-132.0	0.0	0.0	754.0	0.00	100.00
132.0-133.0	0.0	0.0	754.0	0.00	100.00
133.0-134.0	0.0	0.0	754.0	0.00	100.00
134.0-135.0	0.0	0.0	754.0	0.00	100.00
135.0-136.0	0.0	0.0	754.0	0.00	100.00
136.0-137.0	0.0	0.0	754.0	0.00	100.00
137.0-138.0	0.0	0.0	754.0	0.00	100.00
138.0-139.0	0.0	0.0	754.0	0.00	100.00
139.0-140.0	0.0	0.0	754.0	0.00	100.00
140.0-141.0	0.0	0.0	754.0	0.00	100.00
141.0-142.0	0.0	0.0	754.0	0.00	100.00
142.0-143.0	0.0	0.0	754.0	0.00	100.00
143.0-144.0	0.0	0.0	754.0	0.00	100.00

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

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.655 m [K=1.0000]  
 Humidity:  
 Inspector:

### Zonal Lumen (Continue 4)

Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	0.0	0.0	754.0	0.00	100.00
145.0-146.0	0.0	0.0	754.0	0.00	100.00
146.0-147.0	0.0	0.0	754.0	0.00	100.00
147.0-148.0	0.0	0.0	754.0	0.00	100.00
148.0-149.0	0.0	0.0	754.0	0.00	100.00
149.0-150.0	0.0	0.0	754.0	0.00	100.00
150.0-151.0	0.0	0.0	754.0	0.00	100.00
151.0-152.0	0.0	0.0	754.0	0.00	100.00
152.0-153.0	0.0	0.0	754.0	0.00	100.00
153.0-154.0	0.0	0.0	754.0	0.00	100.00
154.0-155.0	0.0	0.0	754.0	0.00	100.00
155.0-156.0	0.0	0.0	754.0	0.00	100.00
156.0-157.0	0.0	0.0	754.0	0.00	100.00
157.0-158.0	0.0	0.0	754.0	0.00	100.00
158.0-159.0	0.0	0.0	754.0	0.00	100.00
159.0-160.0	0.0	0.0	754.0	0.00	100.00
160.0-161.0	0.0	0.0	754.0	0.00	100.00
161.0-162.0	0.0	0.0	754.0	0.00	100.00
162.0-163.0	0.0	0.0	754.0	0.00	100.00
163.0-164.0	0.0	0.0	754.0	0.00	100.00
164.0-165.0	0.0	0.0	754.0	0.00	100.00
165.0-166.0	0.0	0.0	754.0	0.00	100.00
166.0-167.0	0.0	0.0	754.0	0.00	100.00
167.0-168.0	0.0	0.0	754.0	0.00	100.00
168.0-169.0	0.0	0.0	754.0	0.00	100.00
169.0-170.0	0.0	0.0	754.0	0.00	100.00
170.0-171.0	0.0	0.0	754.0	0.00	100.00
171.0-172.0	0.0	0.0	754.0	0.00	100.00
172.0-173.0	0.0	0.0	754.0	0.00	100.00
173.0-174.0	0.0	0.0	754.0	0.00	100.00
174.0-175.0	0.0	0.0	754.0	0.00	100.00
175.0-176.0	0.0	0.0	754.0	0.00	100.00
176.0-177.0	0.0	0.0	754.0	0.00	100.00
177.0-178.0	0.0	0.0	754.0	0.00	100.00
178.0-179.0	0.0	0.0	754.0	0.00	100.00
179.0-180.0	0.0	0.0	754.0	0.00	100.00

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

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.655 m [K=1.0000]  
 Humidity:  
 Inspector:

## Zonal Lumen (Continue 5)

cone flux(90°): 744.29 lm

%lum = 98.7%

%lamp = 98.7%

cone flux(120°): 753.96 lm

%lum = 100.0%

%lamp = 100.0%

---

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 11.655 m [K=1.0000]

Humidity:

Inspector:

## LED Average Luminance Report

Avg.L	cd/m <sup>2</sup>
L 0-180(65) av	-1.#J
L 0-180(75) av	-1.#J
L 0-180(85) av	-1.#J
L 90-270(65) av	-1.#J
L 90-270(75) av	-1.#J
L 90-270(85) av	-1.#J
L 45(65) av	-1.#J
L 45(75) av	-1.#J
L 45(85) av	-1.#J

Standard: GB/T 29293-2012

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

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1800B  
Distance: 11.655 m [K=1.0000]  
Humidity:  
Inspector: