

Report No.:

Test Time: 2024/3/13 19:06

## Luminaire Property

Luminaire Manufacturer:  
Luminaire Category:  
Lamp Catalog:  
Number of Lamps:  
Luminous Length (mm):  
Luminous Height (mm):  
Current: 0.713 A  
Power Factor: 0.918

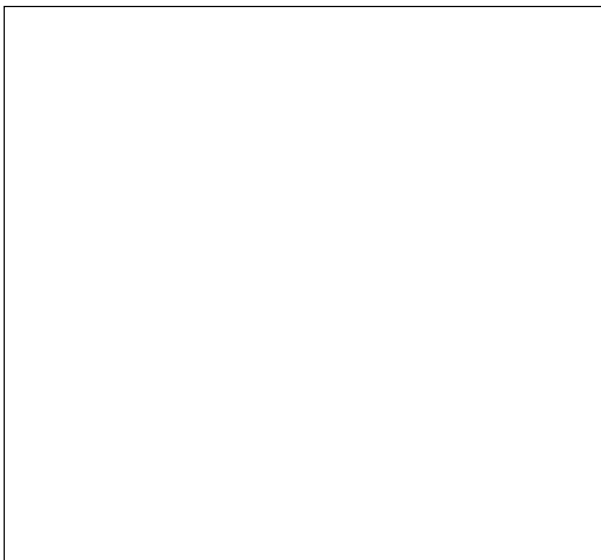
Luminaire Description: MIRAGE-V2 489122  
Lamp Description:  
Lumens per Lamp:  
Luminous Width (mm):  
Voltage: 12.1 V  
Power: 7.92 W

## Photometric Results

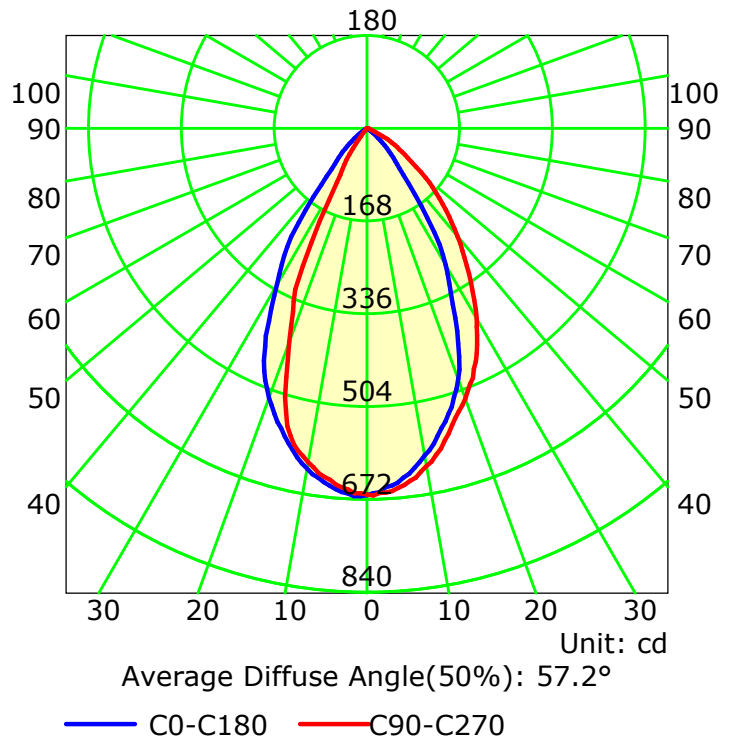
IES Classification: Type I  
Total Rated Lamp Lumens: 604.3 lm  
Efficiency: 100%  
Upward Ratio: 0%  
C0r0 Intensity: 664.56 cd  
Pos of Max. Intensity: H180 V2

Longitudinal Classification: Very Short  
Measurement Flux: 604.3 lm  
Downward Ratio: 100%  
Luminaire Efficacy Rating (LER): 76.35  
Max. Intensity: 667 cd

Picture Of Luminaire



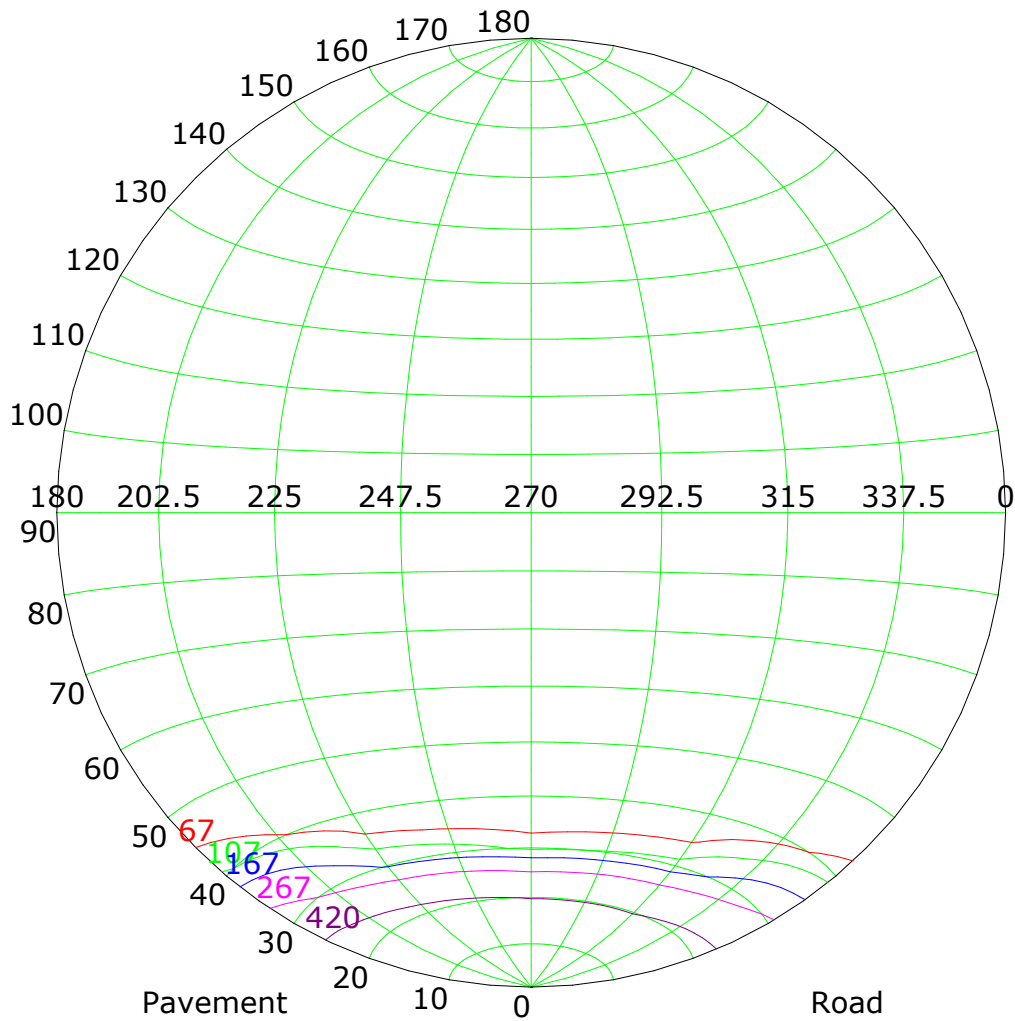
Luminous Intensity Distribution Curve



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%): 667 cd

— ( 10%):	67 cd	— ( 16%):	107 cd
— ( 25%):	167 cd	— ( 40%):	267 cd
— ( 63%):	420 cd	— (100%):	667 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

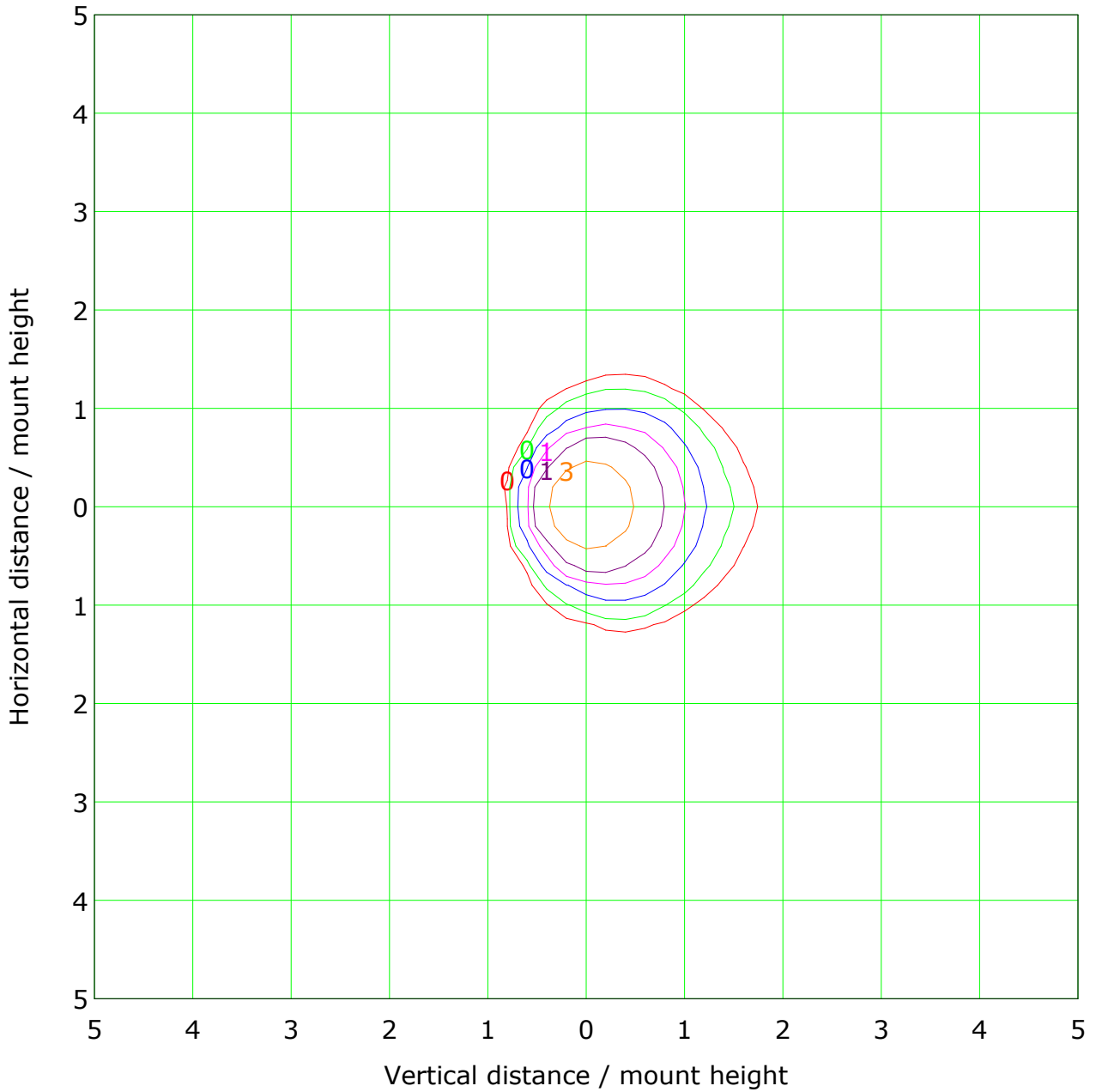
Test Device: GPM-1800B

Distance: 11.655 m [K=1.0000]

Humidity:

Inspector:

## IsoLux Plot



Mounting Height: 10.0m    Max Lux(100%): 6.7 lx

<p>— ( 1%): 0.1 lx</p> <p>— ( 5%): 0.3 lx</p> <p>— (20%): 1.3 lx</p> <p>— (100%): 6.7 lx</p>	<p>— ( 2%): 0.1 lx</p> <p>— (10%): 0.7 lx</p> <p>— (50%): 3.3 lx</p>
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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

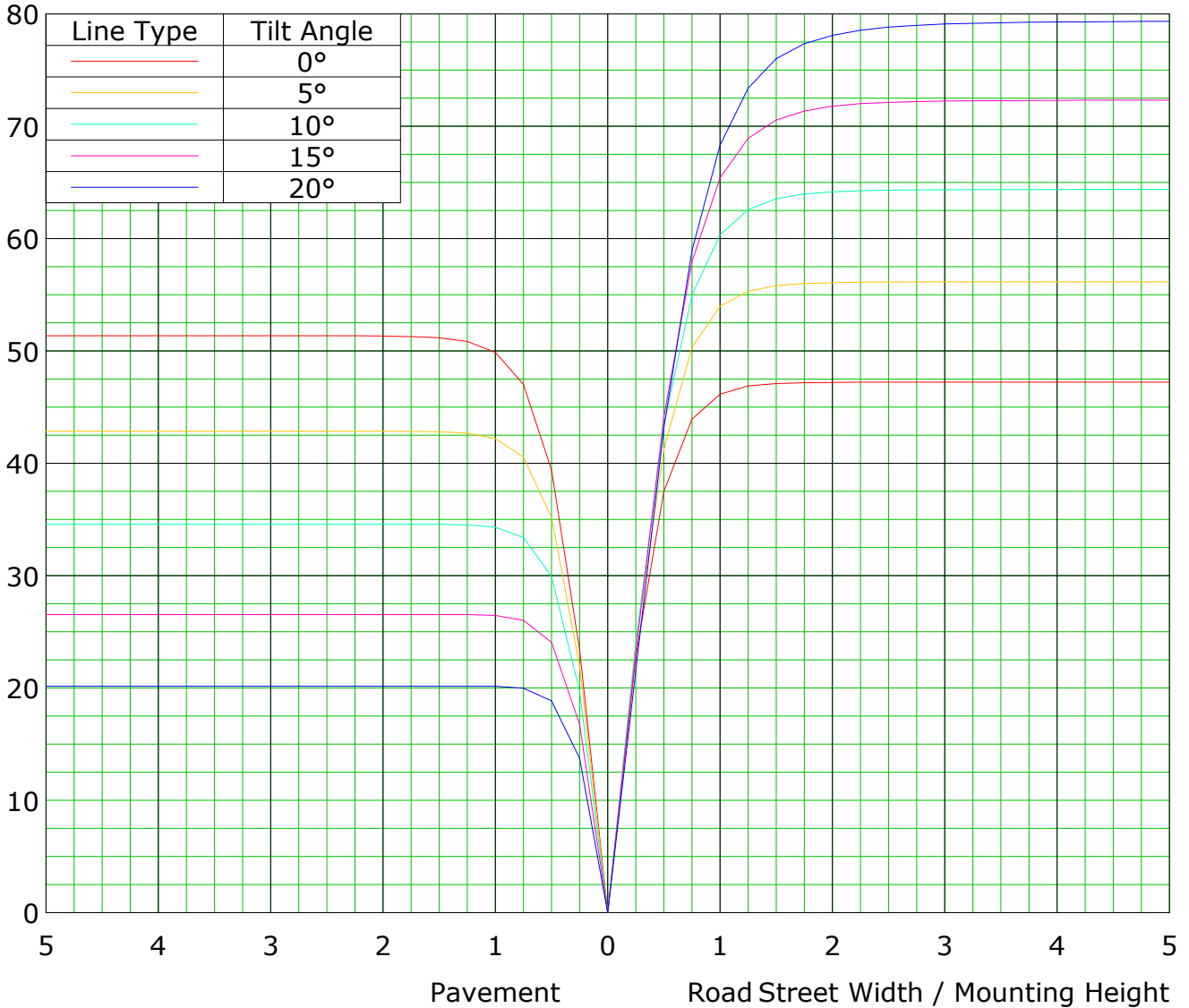
Distance: 11.655 m [K=1.0000]

Humidity:

Inspector:

## 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

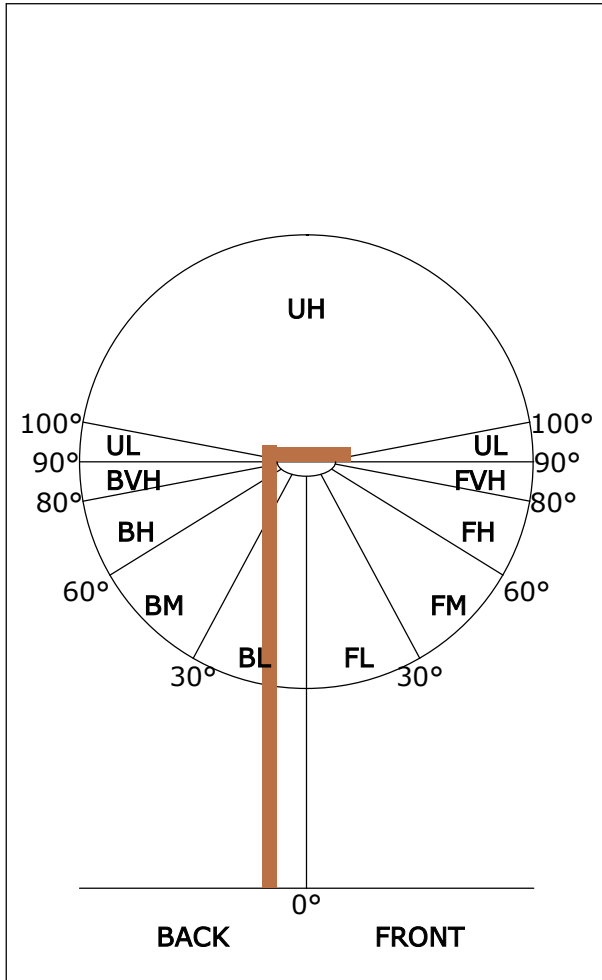
Test Device: GPM-1800B

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	290	47.9
FL ( 0°-30°)	191	31.6
FM (30°-60°)	96	15.9
FH (60°-80°)	3	0.5
FVH (80°-90°)	0	0.0
BACK LIGHT	315	52.1
BL ( 0°-30°)	201	33.2
BM (30°-60°)	111	18.3
BH (60°-80°)	3	0.5
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	663.4	0.6	0.6	0.11	0.11
1.0-2.0	662.4	1.9	2.5	0.31	0.42
2.0-3.0	659.9	3.2	5.7	0.52	0.94
3.0-4.0	656.4	4.4	10.1	0.73	1.67
4.0-5.0	652.8	5.6	15.7	0.93	2.60
5.0-6.0	647.8	6.8	22.5	1.13	3.73
6.0-7.0	641.8	8.0	30.5	1.32	5.04
7.0-8.0	635.5	9.1	39.6	1.51	6.55
8.0-9.0	628.3	10.2	49.8	1.69	8.23
9.0-10.0	620.2	11.2	61.0	1.86	10.09
10.0-11.0	611.7	12.2	73.2	2.02	12.11
11.0-12.0	602.8	13.2	86.4	2.18	14.30
12.0-13.0	593.2	14.1	100.5	2.33	16.63
13.0-14.0	582.3	14.9	115.4	2.47	19.09
14.0-15.0	570.6	15.7	131.0	2.59	21.69
15.0-16.0	557.4	16.3	147.4	2.70	24.39
16.0-17.0	542.3	16.9	164.3	2.79	27.18
17.0-18.0	525.6	17.3	181.6	2.87	30.05
18.0-19.0	507.7	17.7	199.3	2.92	32.97
19.0-20.0	490.4	18.0	217.2	2.97	35.94
20.0-21.0	472.1	18.1	235.3	3.00	38.94
21.0-22.0	453.7	18.2	253.6	3.02	41.96
22.0-23.0	437.3	18.4	271.9	3.04	45.00
23.0-24.0	420.8	18.4	290.3	3.04	48.04
24.0-25.0	401.4	18.3	308.6	3.02	51.06
25.0-26.0	379.3	17.9	326.5	2.96	54.03
26.0-27.0	354.5	17.3	343.8	2.87	56.90
27.0-28.0	328.7	16.6	360.5	2.75	59.65
28.0-29.0	304.5	15.9	376.4	2.64	62.29
29.0-30.0	283.2	15.3	391.7	2.53	64.82
30.0-31.0	265.0	14.7	406.5	2.44	67.26
31.0-32.0	248.8	14.3	420.7	2.36	69.62
32.0-33.0	233.7	13.8	434.5	2.28	71.90
33.0-34.0	218.2	13.2	447.7	2.19	74.08
34.0-35.0	202.6	12.6	460.3	2.08	76.17
35.0-36.0	186.3	11.9	472.1	1.96	78.13

C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
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 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 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	169.7	11.1	483.2	1.83	79.96
37.0-38.0	154.2	10.3	493.5	1.70	81.66
38.0-39.0	140.1	9.6	503.1	1.58	83.25
39.0-40.0	127.4	8.9	512.0	1.47	84.72
40.0-41.0	115.9	8.3	520.2	1.37	86.08
41.0-42.0	105.8	7.7	527.9	1.27	87.36
42.0-43.0	97.3	7.2	535.1	1.19	88.55
43.0-44.0	89.8	6.8	541.9	1.12	89.67
44.0-45.0	83.0	6.4	548.3	1.06	90.73
45.0-46.0	76.7	6.0	554.3	0.99	91.72
46.0-47.0	70.8	5.6	559.9	0.93	92.65
47.0-48.0	65.0	5.3	565.2	0.87	93.52
48.0-49.0	59.0	4.8	570.0	0.80	94.32
49.0-50.0	53.2	4.4	574.4	0.73	95.06
50.0-51.0	47.3	4.0	578.4	0.66	95.72
51.0-52.0	41.3	3.5	582.0	0.59	96.31
52.0-53.0	35.8	3.1	585.1	0.52	96.82
53.0-54.0	30.6	2.7	587.8	0.45	97.27
54.0-55.0	26.2	2.3	590.1	0.39	97.66
55.0-56.0	22.7	2.0	592.2	0.34	97.99
56.0-57.0	19.7	1.8	594.0	0.30	98.29
57.0-58.0	17.3	1.6	595.6	0.26	98.56
58.0-59.0	15.3	1.4	597.0	0.24	98.79
59.0-60.0	13.4	1.3	598.3	0.21	99.00
60.0-61.0	11.7	1.1	599.4	0.19	99.19
61.0-62.0	10.2	1.0	600.4	0.16	99.35
62.0-63.0	8.4	0.8	601.2	0.13	99.49
63.0-64.0	6.7	0.7	601.9	0.11	99.59
64.0-65.0	5.3	0.5	602.4	0.09	99.68
65.0-66.0	4.3	0.4	602.8	0.07	99.75
66.0-67.0	3.6	0.4	603.2	0.06	99.81
67.0-68.0	2.9	0.3	603.5	0.05	99.86
68.0-69.0	2.3	0.2	603.7	0.04	99.90
69.0-70.0	1.8	0.2	603.9	0.03	99.93
70.0-71.0	1.4	0.1	604.0	0.02	99.95
71.0-72.0	1.0	0.1	604.1	0.02	99.97

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	0.7	0.1	604.2	0.01	99.98
73.0-74.0	0.4	0.0	604.2	0.01	99.99
74.0-75.0	0.2	0.0	604.3	0.00	99.99
75.0-76.0	0.2	0.0	604.3	0.00	100.00
76.0-77.0	0.1	0.0	604.3	0.00	100.00
77.0-78.0	0.1	0.0	604.3	0.00	100.00
78.0-79.0	0.0	0.0	604.3	0.00	100.00
79.0-80.0	0.0	0.0	604.3	0.00	100.00
80.0-81.0	0.0	0.0	604.3	0.00	100.00
81.0-82.0	0.0	0.0	604.3	0.00	100.00
82.0-83.0	0.0	0.0	604.3	0.00	100.00
83.0-84.0	0.0	0.0	604.3	0.00	100.00
84.0-85.0	0.0	0.0	604.3	0.00	100.00
85.0-86.0	0.0	0.0	604.3	0.00	100.00
86.0-87.0	0.0	0.0	604.3	0.00	100.00
87.0-88.0	0.0	0.0	604.3	0.00	100.00
88.0-89.0	0.0	0.0	604.3	0.00	100.00
89.0-90.0	0.0	0.0	604.3	0.00	100.00
90.0-91.0	0.0	0.0	604.3	0.00	100.00
91.0-92.0	0.0	0.0	604.3	0.00	100.00
92.0-93.0	0.0	0.0	604.3	0.00	100.00
93.0-94.0	0.0	0.0	604.3	0.00	100.00
94.0-95.0	0.0	0.0	604.3	0.00	100.00
95.0-96.0	0.0	0.0	604.3	0.00	100.00
96.0-97.0	0.0	0.0	604.3	0.00	100.00
97.0-98.0	0.0	0.0	604.3	0.00	100.00
98.0-99.0	0.0	0.0	604.3	0.00	100.00
99.0-100.0	0.0	0.0	604.3	0.00	100.00
100.0-101.0	0.0	0.0	604.3	0.00	100.00
101.0-102.0	0.0	0.0	604.3	0.00	100.00
102.0-103.0	0.0	0.0	604.3	0.00	100.00
103.0-104.0	0.0	0.0	604.3	0.00	100.00
104.0-105.0	0.0	0.0	604.3	0.00	100.00
105.0-106.0	0.0	0.0	604.3	0.00	100.00
106.0-107.0	0.0	0.0	604.3	0.00	100.00
107.0-108.0	0.0	0.0	604.3	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	604.3	0.00	100.00
109.0-110.0	0.0	0.0	604.3	0.00	100.00
110.0-111.0	0.0	0.0	604.3	0.00	100.00
111.0-112.0	0.0	0.0	604.3	0.00	100.00
112.0-113.0	0.0	0.0	604.3	0.00	100.00
113.0-114.0	0.0	0.0	604.3	0.00	100.00
114.0-115.0	0.0	0.0	604.3	0.00	100.00
115.0-116.0	0.0	0.0	604.3	0.00	100.00
116.0-117.0	0.0	0.0	604.3	0.00	100.00
117.0-118.0	0.0	0.0	604.3	0.00	100.00
118.0-119.0	0.0	0.0	604.3	0.00	100.00
119.0-120.0	0.0	0.0	604.3	0.00	100.00
120.0-121.0	0.0	0.0	604.3	0.00	100.00
121.0-122.0	0.0	0.0	604.3	0.00	100.00
122.0-123.0	0.0	0.0	604.3	0.00	100.00
123.0-124.0	0.0	0.0	604.3	0.00	100.00
124.0-125.0	0.0	0.0	604.3	0.00	100.00
125.0-126.0	0.0	0.0	604.3	0.00	100.00
126.0-127.0	0.0	0.0	604.3	0.00	100.00
127.0-128.0	0.0	0.0	604.3	0.00	100.00
128.0-129.0	0.0	0.0	604.3	0.00	100.00
129.0-130.0	0.0	0.0	604.3	0.00	100.00
130.0-131.0	0.0	0.0	604.3	0.00	100.00
131.0-132.0	0.0	0.0	604.3	0.00	100.00
132.0-133.0	0.0	0.0	604.3	0.00	100.00
133.0-134.0	0.0	0.0	604.3	0.00	100.00
134.0-135.0	0.0	0.0	604.3	0.00	100.00
135.0-136.0	0.0	0.0	604.3	0.00	100.00
136.0-137.0	0.0	0.0	604.3	0.00	100.00
137.0-138.0	0.0	0.0	604.3	0.00	100.00
138.0-139.0	0.0	0.0	604.3	0.00	100.00
139.0-140.0	0.0	0.0	604.3	0.00	100.00
140.0-141.0	0.0	0.0	604.3	0.00	100.00
141.0-142.0	0.0	0.0	604.3	0.00	100.00
142.0-143.0	0.0	0.0	604.3	0.00	100.00
143.0-144.0	0.0	0.0	604.3	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	604.3	0.00	100.00
145.0-146.0	0.0	0.0	604.3	0.00	100.00
146.0-147.0	0.0	0.0	604.3	0.00	100.00
147.0-148.0	0.0	0.0	604.3	0.00	100.00
148.0-149.0	0.0	0.0	604.3	0.00	100.00
149.0-150.0	0.0	0.0	604.3	0.00	100.00
150.0-151.0	0.0	0.0	604.3	0.00	100.00
151.0-152.0	0.0	0.0	604.3	0.00	100.00
152.0-153.0	0.0	0.0	604.3	0.00	100.00
153.0-154.0	0.0	0.0	604.3	0.00	100.00
154.0-155.0	0.0	0.0	604.3	0.00	100.00
155.0-156.0	0.0	0.0	604.3	0.00	100.00
156.0-157.0	0.0	0.0	604.3	0.00	100.00
157.0-158.0	0.0	0.0	604.3	0.00	100.00
158.0-159.0	0.0	0.0	604.3	0.00	100.00
159.0-160.0	0.0	0.0	604.3	0.00	100.00
160.0-161.0	0.0	0.0	604.3	0.00	100.00
161.0-162.0	0.0	0.0	604.3	0.00	100.00
162.0-163.0	0.0	0.0	604.3	0.00	100.00
163.0-164.0	0.0	0.0	604.3	0.00	100.00
164.0-165.0	0.0	0.0	604.3	0.00	100.00
165.0-166.0	0.0	0.0	604.3	0.00	100.00
166.0-167.0	0.0	0.0	604.3	0.00	100.00
167.0-168.0	0.0	0.0	604.3	0.00	100.00
168.0-169.0	0.0	0.0	604.3	0.00	100.00
169.0-170.0	0.0	0.0	604.3	0.00	100.00
170.0-171.0	0.0	0.0	604.3	0.00	100.00
171.0-172.0	0.0	0.0	604.3	0.00	100.00
172.0-173.0	0.0	0.0	604.3	0.00	100.00
173.0-174.0	0.0	0.0	604.3	0.00	100.00
174.0-175.0	0.0	0.0	604.3	0.00	100.00
175.0-176.0	0.0	0.0	604.3	0.00	100.00
176.0-177.0	0.0	0.0	604.3	0.00	100.00
177.0-178.0	0.0	0.0	604.3	0.00	100.00
178.0-179.0	0.0	0.0	604.3	0.00	100.00
179.0-180.0	0.0	0.0	604.3	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°): 548.27 lm

%lum = 90.7%

%lamp = 90.7%

cone flux(120°): 598.29 lm

%lum = 99.0%

%lamp = 99.0%

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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:

## 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: