

Report No.:

Test Time: 2024/3/13 19:34

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

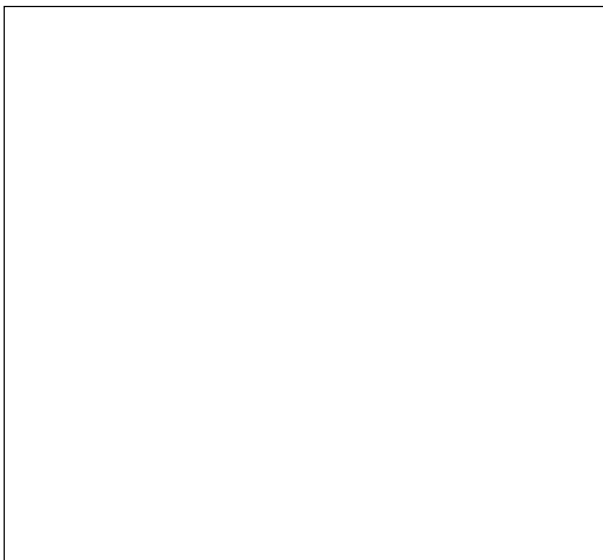
Luminaire Description: MIRAGE-V2 489120
Lamp Description:
Lumens per Lamp:
Luminous Width (mm):
Voltage: 12.1 V
Power: 7.94 W

Photometric Results

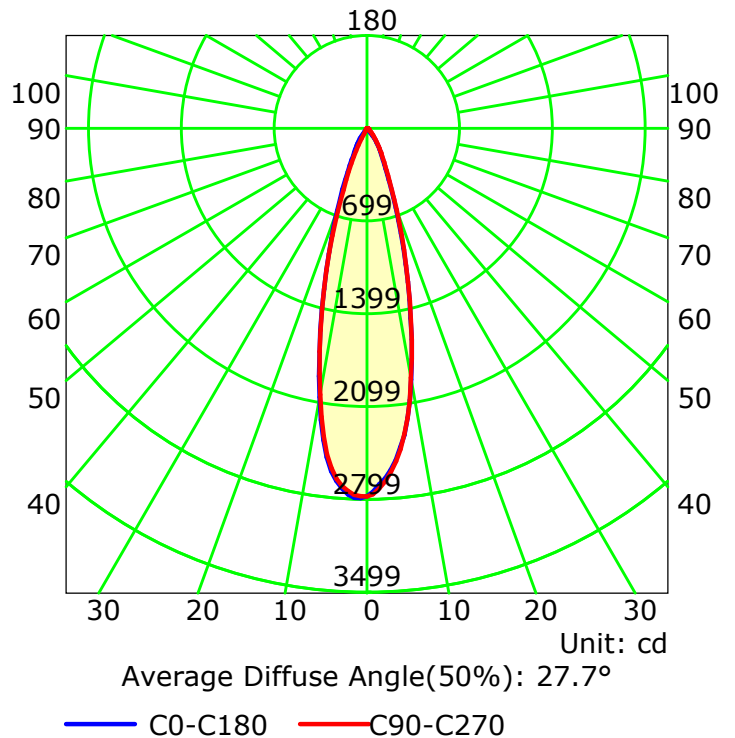
IES Classification: Type I
Total Rated Lamp Lumens: 793.2 lm
Efficiency: 100%
Upward Ratio: 0%
C0r0 Intensity: 2774.22 cd
Pos of Max. Intensity: H180 V1

Longitudinal Classification: Very Short
Measurement Flux: 793.2 lm
Downward Ratio: 100%
Luminaire Efficacy Rating (LER): 99.94
Max. Intensity: 2788.35 cd

Picture Of Luminaire



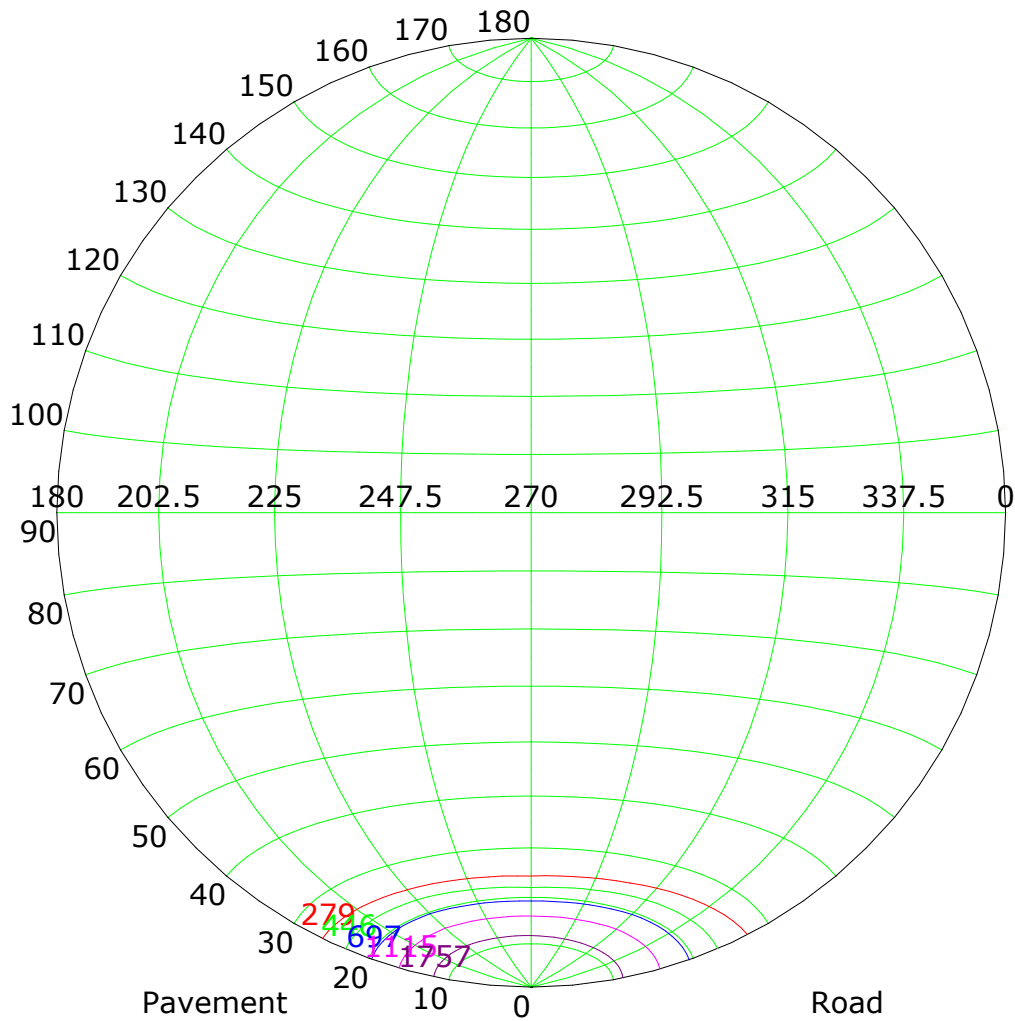
Luminous Intensity Distribution Curve



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%): 2788 cd

- | | |
|-------------------|-------------------|
| — (10%): 279 cd | — (16%): 446 cd |
| — (25%): 697 cd | — (40%): 1115 cd |
| — (63%): 1757 cd | — (100%): 2788 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

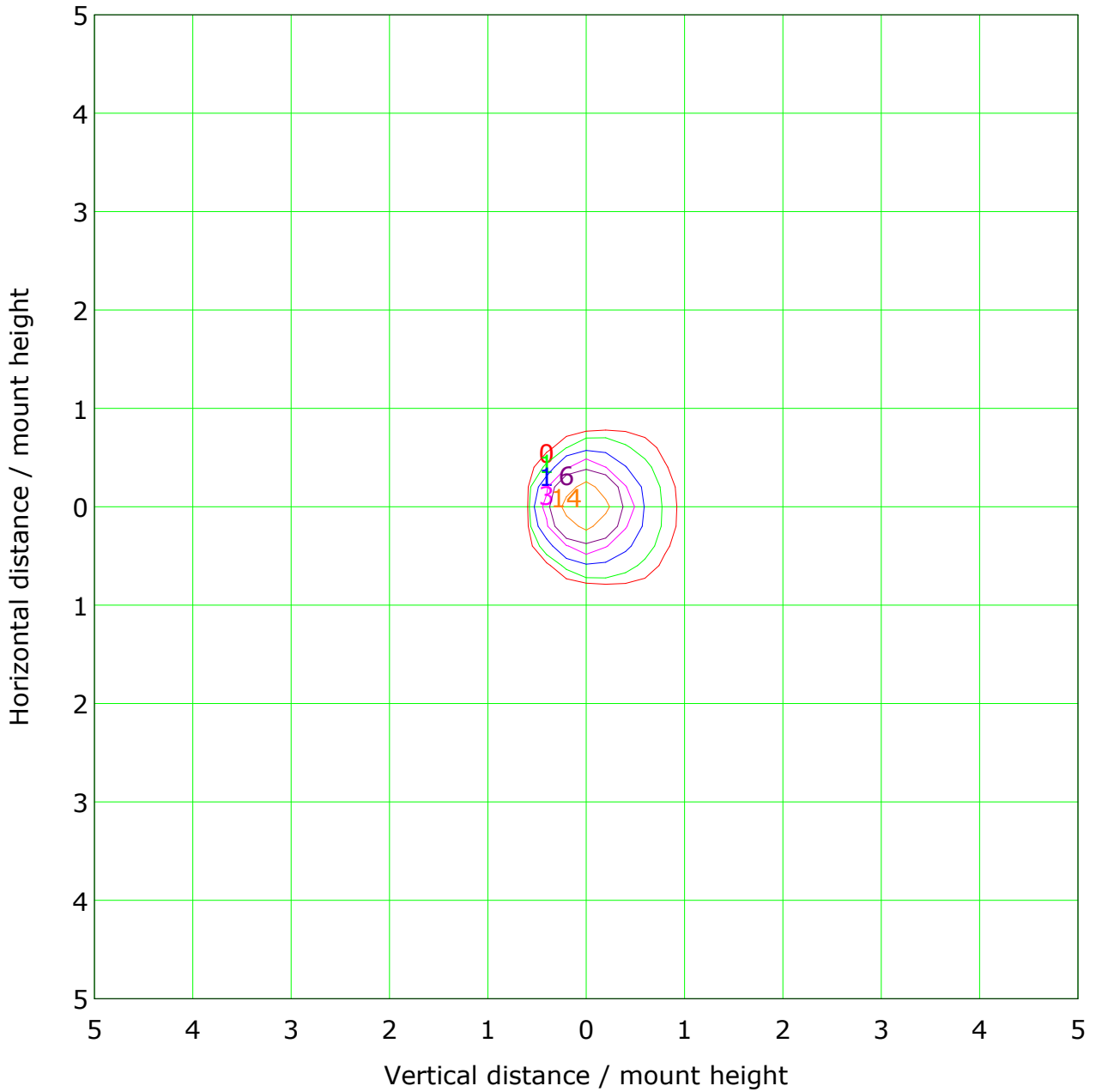
Test Device: GPM-1800B

Distance: 11.655 m [K=1.0000]

Humidity:

Inspector:

IsoLux Plot



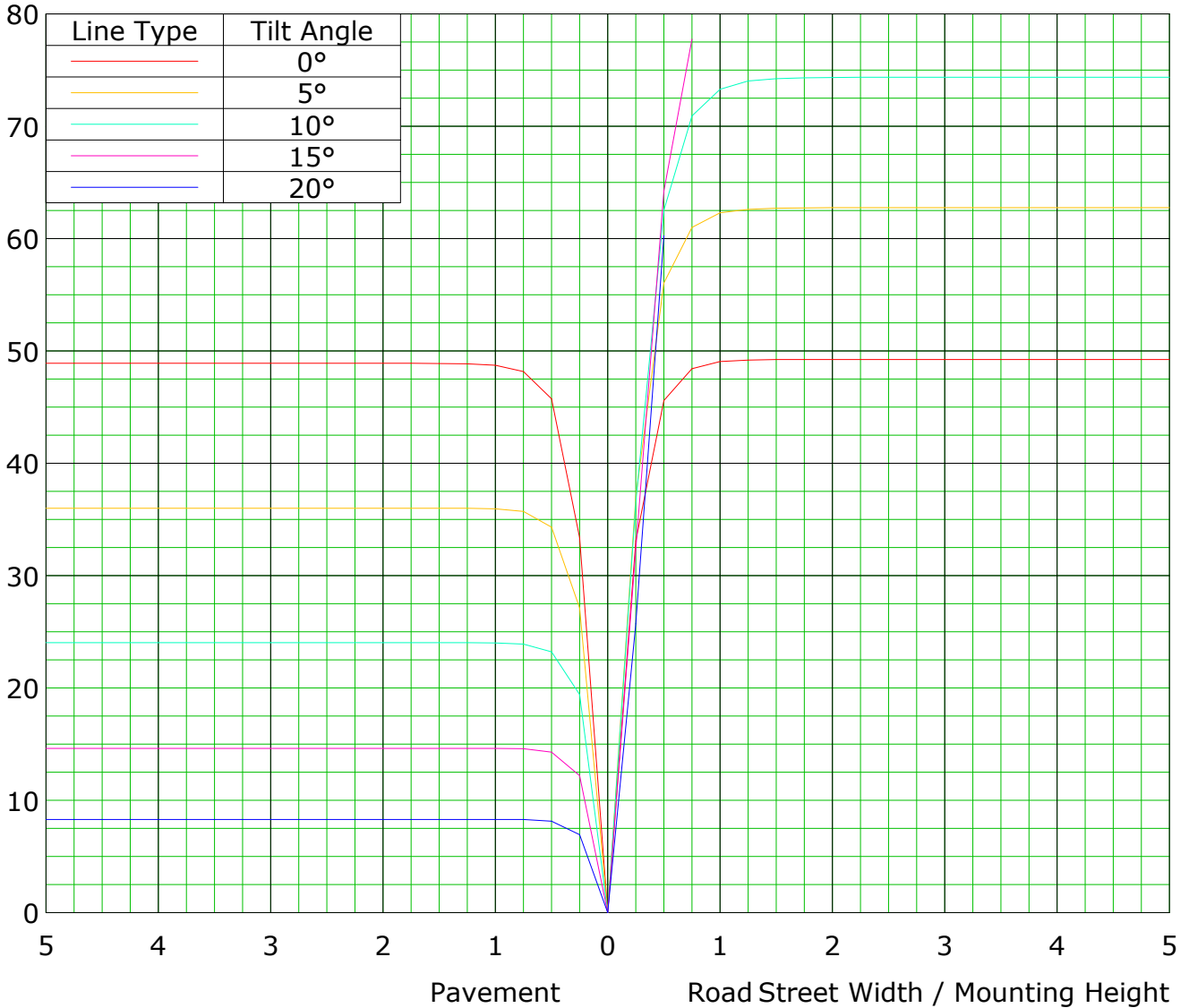
Mounting Height: 10.0m		Max Lux(100%): 27.9 lx	
<ul style="list-style-type: none"> — (1%): 0.3 lx — (5%): 1.4 lx — (20%): 5.6 lx — (100%): 27.9 lx 	<ul style="list-style-type: none"> — (2%): 0.6 lx — (10%): 2.8 lx — (50%): 13.9 lx 		

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	395	49.8
	FL (0°-30°)	353	44.6
	FM (30°-60°)	41	5.2
	FH (60°-80°)	0	0.1
	FVH (80°-90°)	0	0.0
	BACK LIGHT	398	50.2
	BL (0°-30°)	361	45.5
	BM (30°-60°)	37	4.6
	BH (60°-80°)	0	0.1
	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 _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	2769.3	2.7	2.7	0.33	0.33
1.0-2.0	2754.1	7.9	10.6	1.00	1.33
2.0-3.0	2721.7	13.0	23.6	1.64	2.97
3.0-4.0	2674.3	17.9	41.5	2.26	5.23
4.0-5.0	2610.0	22.5	63.9	2.83	8.06
5.0-6.0	2530.6	26.6	90.5	3.35	11.41
6.0-7.0	2436.2	30.2	120.8	3.81	15.23
7.0-8.0	2321.5	33.2	154.0	4.19	19.42
8.0-9.0	2193.3	35.6	189.6	4.48	23.90
9.0-10.0	2051.9	37.1	226.7	4.68	28.58
10.0-11.0	1901.3	38.0	264.7	4.79	33.37
11.0-12.0	1750.0	38.3	302.9	4.82	38.20
12.0-13.0	1595.7	37.9	340.8	4.78	42.97
13.0-14.0	1444.5	37.0	377.8	4.66	47.63
14.0-15.0	1300.3	35.7	413.5	4.50	52.13
15.0-16.0	1163.8	34.1	447.6	4.30	56.43
16.0-17.0	1034.3	32.2	479.8	4.06	60.50
17.0-18.0	913.4	30.1	509.9	3.80	64.29
18.0-19.0	800.1	27.8	537.8	3.51	67.80
19.0-20.0	694.3	25.4	563.2	3.20	71.01
20.0-21.0	596.7	22.9	586.1	2.89	73.90
21.0-22.0	512.6	20.6	606.7	2.60	76.50
22.0-23.0	442.8	18.6	625.3	2.34	78.84
23.0-24.0	383.3	16.8	642.1	2.11	80.95
24.0-25.0	334.0	15.2	657.3	1.92	82.87
25.0-26.0	292.8	13.8	671.1	1.74	84.61
26.0-27.0	256.9	12.6	683.6	1.59	86.19
27.0-28.0	224.0	11.3	695.0	1.43	87.62
28.0-29.0	194.5	10.2	705.2	1.28	88.91
29.0-30.0	169.3	9.1	714.3	1.15	90.06
30.0-31.0	146.3	8.1	722.5	1.03	91.09
31.0-32.0	127.4	7.3	729.8	0.92	92.01
32.0-33.0	113.8	6.7	736.5	0.85	92.85
33.0-34.0	102.4	6.2	742.6	0.78	93.63
34.0-35.0	91.3	5.7	748.3	0.72	94.35
35.0-36.0	80.5	5.1	753.4	0.65	94.99

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 Temperature:
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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 _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	70.0	4.6	758.0	0.58	95.57
37.0-38.0	59.9	4.0	762.0	0.50	96.07
38.0-39.0	51.0	3.5	765.5	0.44	96.51
39.0-40.0	43.7	3.1	768.5	0.38	96.90
40.0-41.0	38.0	2.7	771.2	0.34	97.24
41.0-42.0	33.6	2.4	773.7	0.31	97.55
42.0-43.0	30.0	2.2	775.9	0.28	97.83
43.0-44.0	26.9	2.0	777.9	0.26	98.08
44.0-45.0	24.2	1.9	779.8	0.23	98.32
45.0-46.0	21.8	1.7	781.5	0.21	98.53
46.0-47.0	19.7	1.6	783.1	0.20	98.73
47.0-48.0	17.7	1.4	784.5	0.18	98.91
48.0-49.0	15.8	1.3	785.8	0.16	99.07
49.0-50.0	13.8	1.2	787.0	0.15	99.22
50.0-51.0	11.8	1.0	788.0	0.13	99.35
51.0-52.0	10.1	0.9	788.8	0.11	99.45
52.0-53.0	8.5	0.7	789.6	0.09	99.55
53.0-54.0	7.1	0.6	790.2	0.08	99.63
54.0-55.0	5.7	0.5	790.7	0.06	99.69
55.0-56.0	4.7	0.4	791.1	0.05	99.75
56.0-57.0	4.0	0.4	791.5	0.05	99.79
57.0-58.0	3.4	0.3	791.8	0.04	99.83
58.0-59.0	3.0	0.3	792.1	0.04	99.87
59.0-60.0	2.6	0.2	792.3	0.03	99.90
60.0-61.0	2.2	0.2	792.5	0.03	99.92
61.0-62.0	1.7	0.2	792.7	0.02	99.94
62.0-63.0	1.2	0.1	792.8	0.02	99.96
63.0-64.0	0.9	0.1	792.9	0.01	99.97
64.0-65.0	0.6	0.1	793.0	0.01	99.98
65.0-66.0	0.5	0.0	793.0	0.01	99.98
66.0-67.0	0.4	0.0	793.1	0.00	99.99
67.0-68.0	0.3	0.0	793.1	0.00	99.99
68.0-69.0	0.3	0.0	793.1	0.00	100.00
69.0-70.0	0.2	0.0	793.1	0.00	100.00
70.0-71.0	0.1	0.0	793.1	0.00	100.00
71.0-72.0	0.0	0.0	793.1	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 _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	0.0	0.0	793.1	0.00	100.00
73.0-74.0	0.0	0.0	793.1	0.00	100.00
74.0-75.0	0.0	0.0	793.1	0.00	100.00
75.0-76.0	0.0	0.0	793.1	0.00	100.00
76.0-77.0	0.0	0.0	793.1	0.00	100.00
77.0-78.0	0.0	0.0	793.1	0.00	100.00
78.0-79.0	0.0	0.0	793.1	0.00	100.00
79.0-80.0	0.0	0.0	793.1	0.00	100.00
80.0-81.0	0.0	0.0	793.1	0.00	100.00
81.0-82.0	0.0	0.0	793.1	0.00	100.00
82.0-83.0	0.0	0.0	793.1	0.00	100.00
83.0-84.0	0.0	0.0	793.1	0.00	100.00
84.0-85.0	0.0	0.0	793.1	0.00	100.00
85.0-86.0	0.0	0.0	793.1	0.00	100.00
86.0-87.0	0.0	0.0	793.1	0.00	100.00
87.0-88.0	0.0	0.0	793.1	0.00	100.00
88.0-89.0	0.0	0.0	793.1	0.00	100.00
89.0-90.0	0.0	0.0	793.1	0.00	100.00
90.0-91.0	0.0	0.0	793.1	0.00	100.00
91.0-92.0	0.0	0.0	793.1	0.00	100.00
92.0-93.0	0.0	0.0	793.1	0.00	100.00
93.0-94.0	0.0	0.0	793.1	0.00	100.00
94.0-95.0	0.0	0.0	793.1	0.00	100.00
95.0-96.0	0.0	0.0	793.1	0.00	100.00
96.0-97.0	0.0	0.0	793.1	0.00	100.00
97.0-98.0	0.0	0.0	793.1	0.00	100.00
98.0-99.0	0.0	0.0	793.1	0.00	100.00
99.0-100.0	0.0	0.0	793.1	0.00	100.00
100.0-101.0	0.0	0.0	793.1	0.00	100.00
101.0-102.0	0.0	0.0	793.1	0.00	100.00
102.0-103.0	0.0	0.0	793.1	0.00	100.00
103.0-104.0	0.0	0.0	793.1	0.00	100.00
104.0-105.0	0.0	0.0	793.1	0.00	100.00
105.0-106.0	0.0	0.0	793.1	0.00	100.00
106.0-107.0	0.0	0.0	793.1	0.00	100.00
107.0-108.0	0.0	0.0	793.1	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 _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	0.0	0.0	793.1	0.00	100.00
109.0-110.0	0.0	0.0	793.1	0.00	100.00
110.0-111.0	0.0	0.0	793.1	0.00	100.00
111.0-112.0	0.0	0.0	793.1	0.00	100.00
112.0-113.0	0.0	0.0	793.1	0.00	100.00
113.0-114.0	0.0	0.0	793.1	0.00	100.00
114.0-115.0	0.0	0.0	793.1	0.00	100.00
115.0-116.0	0.0	0.0	793.1	0.00	100.00
116.0-117.0	0.0	0.0	793.1	0.00	100.00
117.0-118.0	0.0	0.0	793.1	0.00	100.00
118.0-119.0	0.0	0.0	793.1	0.00	100.00
119.0-120.0	0.0	0.0	793.1	0.00	100.00
120.0-121.0	0.0	0.0	793.1	0.00	100.00
121.0-122.0	0.0	0.0	793.1	0.00	100.00
122.0-123.0	0.0	0.0	793.1	0.00	100.00
123.0-124.0	0.0	0.0	793.1	0.00	100.00
124.0-125.0	0.0	0.0	793.1	0.00	100.00
125.0-126.0	0.0	0.0	793.1	0.00	100.00
126.0-127.0	0.0	0.0	793.1	0.00	100.00
127.0-128.0	0.0	0.0	793.1	0.00	100.00
128.0-129.0	0.0	0.0	793.1	0.00	100.00
129.0-130.0	0.0	0.0	793.1	0.00	100.00
130.0-131.0	0.0	0.0	793.1	0.00	100.00
131.0-132.0	0.0	0.0	793.1	0.00	100.00
132.0-133.0	0.0	0.0	793.1	0.00	100.00
133.0-134.0	0.0	0.0	793.1	0.00	100.00
134.0-135.0	0.0	0.0	793.1	0.00	100.00
135.0-136.0	0.0	0.0	793.1	0.00	100.00
136.0-137.0	0.0	0.0	793.1	0.00	100.00
137.0-138.0	0.0	0.0	793.1	0.00	100.00
138.0-139.0	0.0	0.0	793.1	0.00	100.00
139.0-140.0	0.0	0.0	793.1	0.00	100.00
140.0-141.0	0.0	0.0	793.1	0.00	100.00
141.0-142.0	0.0	0.0	793.1	0.00	100.00
142.0-143.0	0.0	0.0	793.1	0.00	100.00
143.0-144.0	0.0	0.0	793.1	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 _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	0.0	0.0	793.1	0.00	100.00
145.0-146.0	0.0	0.0	793.1	0.00	100.00
146.0-147.0	0.0	0.0	793.1	0.00	100.00
147.0-148.0	0.0	0.0	793.1	0.00	100.00
148.0-149.0	0.0	0.0	793.1	0.00	100.00
149.0-150.0	0.0	0.0	793.1	0.00	100.00
150.0-151.0	0.0	0.0	793.1	0.00	100.00
151.0-152.0	0.0	0.0	793.1	0.00	100.00
152.0-153.0	0.0	0.0	793.1	0.00	100.00
153.0-154.0	0.0	0.0	793.1	0.00	100.00
154.0-155.0	0.0	0.0	793.1	0.00	100.00
155.0-156.0	0.0	0.0	793.1	0.00	100.00
156.0-157.0	0.0	0.0	793.1	0.00	100.00
157.0-158.0	0.0	0.0	793.1	0.00	100.00
158.0-159.0	0.0	0.0	793.1	0.00	100.00
159.0-160.0	0.0	0.0	793.1	0.00	100.00
160.0-161.0	0.0	0.0	793.1	0.00	100.00
161.0-162.0	0.0	0.0	793.1	0.00	100.00
162.0-163.0	0.0	0.0	793.1	0.00	100.00
163.0-164.0	0.0	0.0	793.1	0.00	100.00
164.0-165.0	0.0	0.0	793.1	0.00	100.00
165.0-166.0	0.0	0.0	793.1	0.00	100.00
166.0-167.0	0.0	0.0	793.1	0.00	100.00
167.0-168.0	0.0	0.0	793.1	0.00	100.00
168.0-169.0	0.0	0.0	793.1	0.00	100.00
169.0-170.0	0.0	0.0	793.1	0.00	100.00
170.0-171.0	0.0	0.0	793.1	0.00	100.00
171.0-172.0	0.0	0.0	793.1	0.00	100.00
172.0-173.0	0.0	0.0	793.1	0.00	100.00
173.0-174.0	0.0	0.0	793.1	0.00	100.00
174.0-175.0	0.0	0.0	793.1	0.00	100.00
175.0-176.0	0.0	0.0	793.1	0.00	100.00
176.0-177.0	0.0	0.0	793.1	0.00	100.00
177.0-178.0	0.0	0.0	793.1	0.00	100.00
178.0-179.0	0.0	0.0	793.1	0.00	100.00
179.0-180.0	0.0	0.0	793.1	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°): 779.80 lm

%lum = 98.3%

%lamp = 98.3%

cone flux(120°): 792.33 lm

%lum = 99.9%

%lamp = 99.9%

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 ²
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

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: