

Report No.:

Test Time: 2024/3/21

## Luminaire Property

Luminaire Manufacturer:

Luminaire Category:

Luminaire Description: 211-01-26W-27V-3CCT-D(40%)

Lamp Catalog:

Lamp Description:

Lumens per Lamp:

Luminous Width (mm):

Voltage: 120.9 V

Power: 9.92 W

Number of Lamps:

Luminous Length (mm):

Luminous Height (mm):

Current: 0.083 A

Power Factor: 0.984

## Photometric Results

IES Classification: Type IV

Total Rated Lamp Lumens: 1240.9 lm

Efficiency: 100%

Upward Ratio: 9%

C0r0 Intensity: 213.79 cd

Pos of Max. Intensity: H60 V37

Longitudinal Classification: Very Short

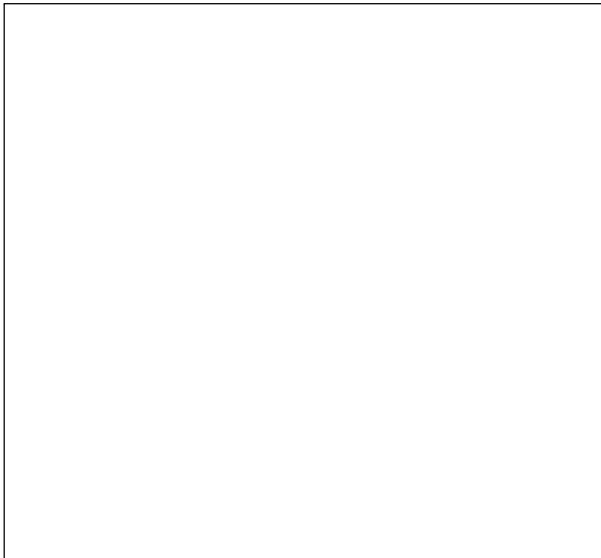
Measurement Flux: 1240.9 lm

Downward Ratio: 91%

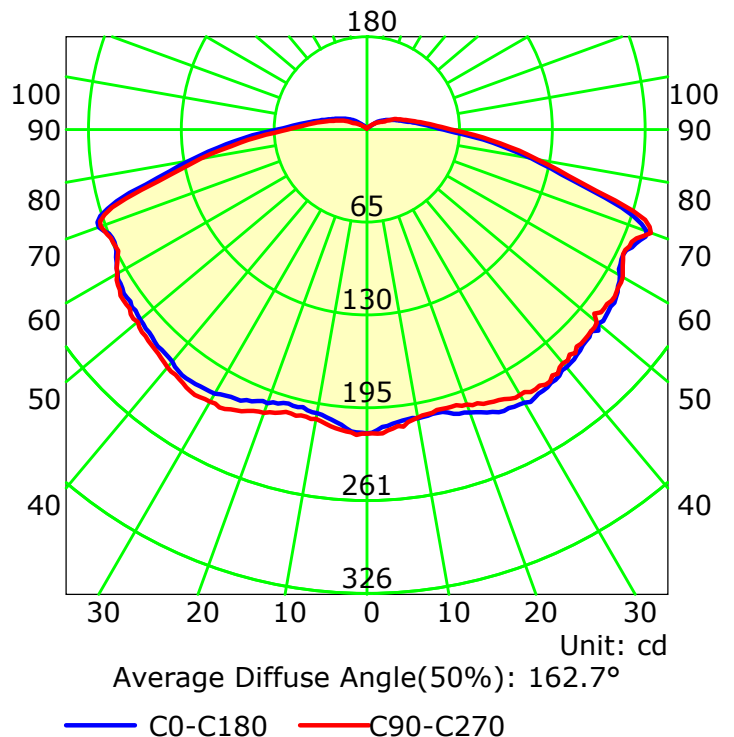
Luminaire Efficacy Rating (LER): 125.14

Max. Intensity: 228.87 cd

Picture Of Luminaire



Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

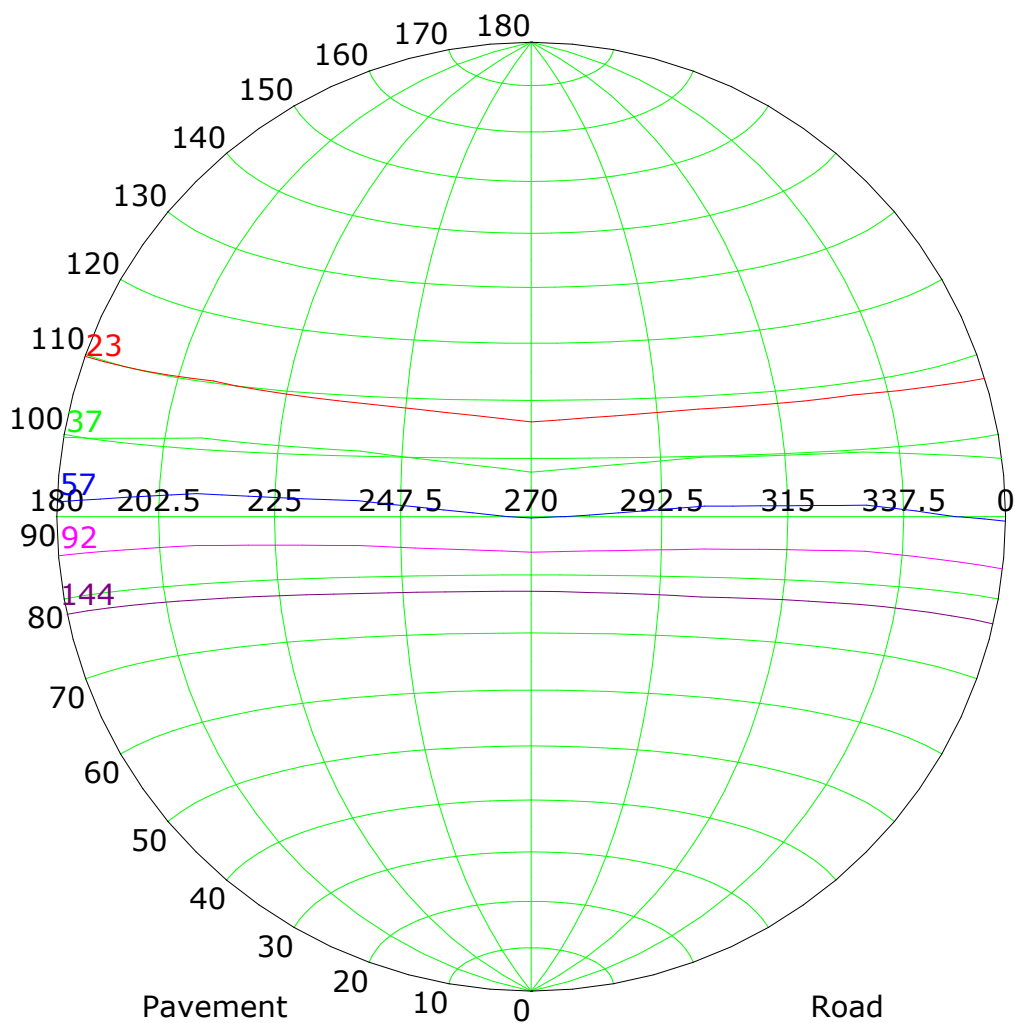
Test Device: GPM-1800B

Distance: 11.655 m [K=1.0000]

Humidity:

Inspector:

## Isocandela (sphere)



Imax (100%): 229 cd

( 10%):	23 cd	( 16%):	37 cd
( 25%):	57 cd	( 40%):	92 cd
( 63%):	144 cd	(100%):	229 cd

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

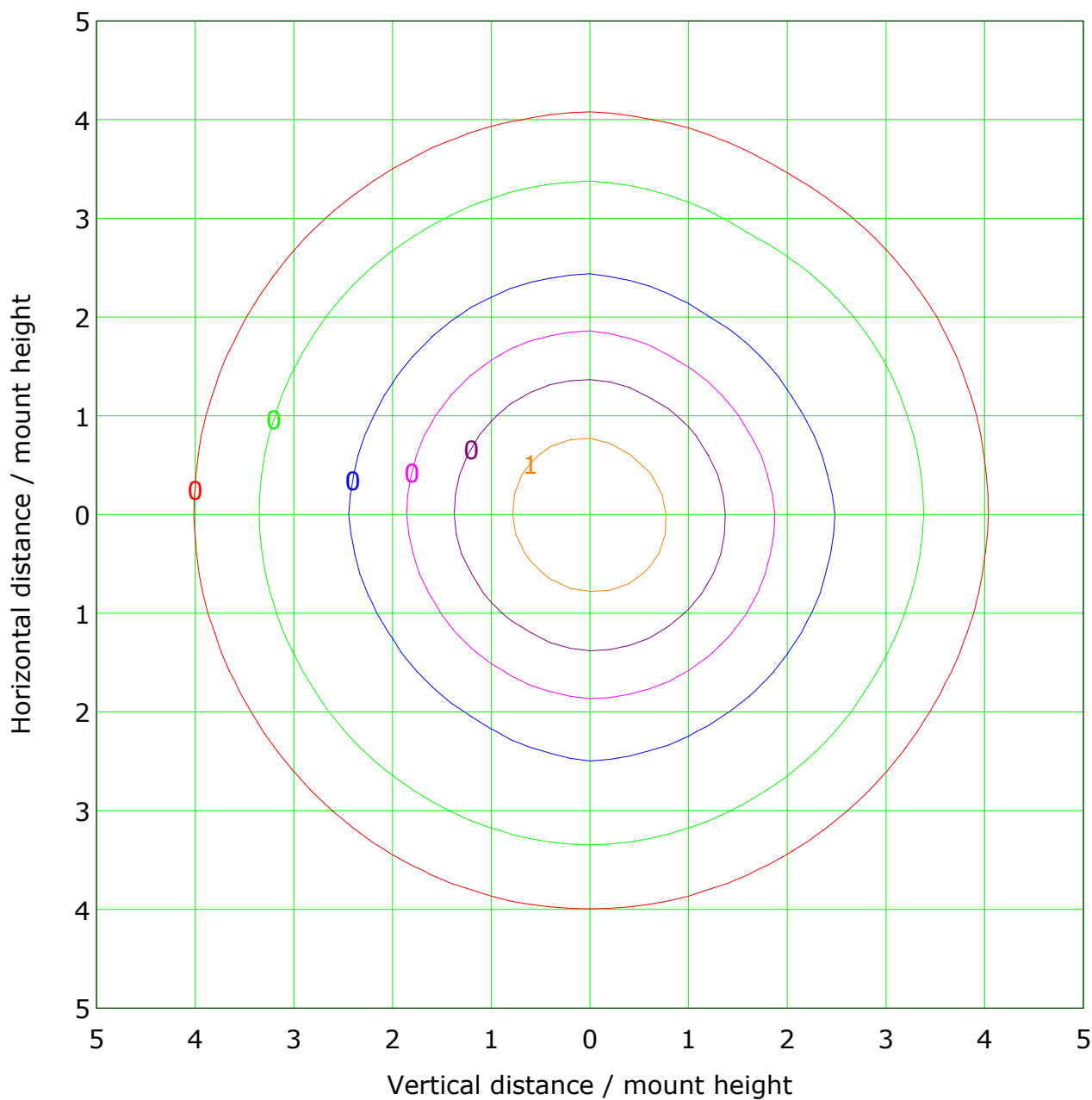
Test Device: GPM-1800B

Distance: 11.655 m [K=1.0000]

Humidity:

Inspector:

## IsoLux Plot



Mounting Height: 10.0m    Max Lux(100%): 2.1 lx

( 1%): 0.0 lx	( 2%): 0.0 lx
( 5%): 0.1 lx	( 10%): 0.2 lx
( 20%): 0.4 lx	( 50%): 1.1 lx
(100%): 2.1 lx	

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

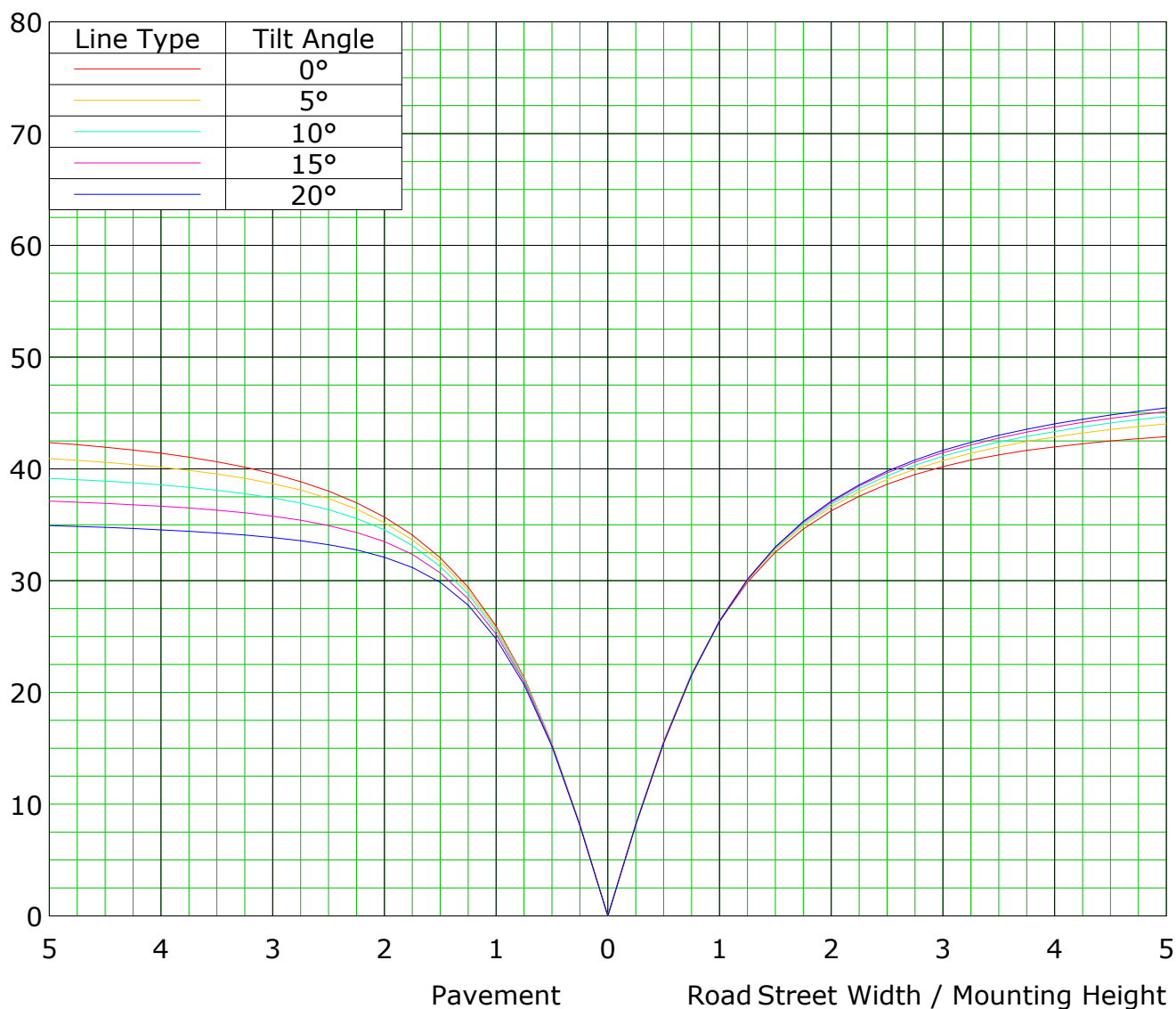
Distance: 11.655 m [K=1.0000]

Humidity:

Inspector:

## Roadway CU Curve

Efficiency(%)



C Plane (°):0.0-360.0: 30.0

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	566	45.6
	FL ( 0°-30°)	90	7.3
	FM (30°-60°)	246	19.8
	FH (60°-80°)	182	14.7
	FVH (80°-90°)	48	3.9
	BACK LIGHT	562	45.3
	BL ( 0°-30°)	88	7.1
	BM (30°-60°)	241	19.4
	BH (60°-80°)	182	14.6
	BVH (80°-90°)	51	4.1
	UP LIGHT	113	9.1
	UL (90°-100°)	53	4.2
	UH (100°-180°)	60	4.8
	TRAPPED LIGHT	NA	NA

BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B1 U2 G1
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B1 U2 G1

C Plane (°):0.0-360.0: 30.0  
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	213.8	0.2	0.2	0.02	0.02
1.0-2.0	213.5	0.6	0.8	0.05	0.07
2.0-3.0	212.9	1.0	1.8	0.08	0.15
3.0-4.0	212.1	1.4	3.3	0.11	0.26
4.0-5.0	211.2	1.8	5.1	0.15	0.41
5.0-6.0	210.0	2.2	7.3	0.18	0.59
6.0-7.0	209.0	2.6	9.9	0.21	0.80
7.0-8.0	208.2	3.0	12.9	0.24	1.04
8.0-9.0	207.5	3.4	16.2	0.27	1.31
9.0-10.0	206.9	3.7	20.0	0.30	1.61
10.0-11.0	206.5	4.1	24.1	0.33	1.94
11.0-12.0	206.7	4.5	28.6	0.36	2.31
12.0-13.0	207.1	4.9	33.5	0.40	2.70
13.0-14.0	207.5	5.3	38.8	0.43	3.13
14.0-15.0	208.3	5.7	44.6	0.46	3.59
15.0-16.0	208.7	6.1	50.7	0.49	4.08
16.0-17.0	209.0	6.5	57.2	0.52	4.61
17.0-18.0	209.6	6.9	64.1	0.56	5.16
18.0-19.0	210.0	7.3	71.4	0.59	5.75
19.0-20.0	210.4	7.7	79.1	0.62	6.37
20.0-21.0	211.3	8.1	87.2	0.65	7.03
21.0-22.0	212.1	8.5	95.7	0.69	7.72
22.0-23.0	212.7	8.9	104.7	0.72	8.43
23.0-24.0	213.7	9.3	114.0	0.75	9.19
24.0-25.0	214.4	9.7	123.8	0.79	9.97
25.0-26.0	214.9	10.1	133.9	0.82	10.79
26.0-27.0	215.4	10.5	144.4	0.85	11.64
27.0-28.0	215.9	10.9	155.4	0.88	12.52
28.0-29.0	216.5	11.3	166.7	0.91	13.43
29.0-30.0	217.0	11.7	178.4	0.94	14.38
30.0-31.0	217.3	12.1	190.5	0.97	15.35
31.0-32.0	217.8	12.5	203.0	1.01	16.36
32.0-33.0	218.1	12.9	215.9	1.04	17.39
33.0-34.0	218.2	13.2	229.1	1.06	18.46
34.0-35.0	218.4	13.6	242.6	1.09	19.55
35.0-36.0	218.4	13.9	256.5	1.12	20.67

C Plane (°):0.0-360.0: 30.0  
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 1)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	218.4	14.2	270.8	1.15	21.82
37.0-38.0	218.3	14.6	285.4	1.17	23.00
38.0-39.0	217.9	14.9	300.2	1.20	24.19
39.0-40.0	217.5	15.2	315.4	1.22	25.42
40.0-41.0	217.2	15.5	330.9	1.25	26.66
41.0-42.0	216.6	15.7	346.6	1.27	27.93
42.0-43.0	215.9	16.0	362.6	1.29	29.22
43.0-44.0	215.4	16.3	378.9	1.31	30.53
44.0-45.0	214.8	16.5	395.4	1.33	31.86
45.0-46.0	214.0	16.7	412.1	1.35	33.21
46.0-47.0	213.3	17.0	429.1	1.37	34.58
47.0-48.0	212.6	17.2	446.3	1.39	35.96
48.0-49.0	212.0	17.4	463.7	1.40	37.37
49.0-50.0	211.1	17.6	481.3	1.42	38.78
50.0-51.0	210.0	17.8	499.1	1.43	40.22
51.0-52.0	209.1	17.9	517.0	1.45	41.66
52.0-53.0	208.3	18.1	535.1	1.46	43.12
53.0-54.0	207.0	18.2	553.4	1.47	44.59
54.0-55.0	205.9	18.4	571.8	1.48	46.07
55.0-56.0	204.9	18.5	590.3	1.49	47.57
56.0-57.0	203.6	18.6	608.9	1.50	49.07
57.0-58.0	202.4	18.7	627.6	1.51	50.58
58.0-59.0	201.2	18.8	646.4	1.52	52.09
59.0-60.0	200.1	18.9	665.3	1.52	53.62
60.0-61.0	199.0	19.0	684.3	1.53	55.15
61.0-62.0	197.8	19.1	703.4	1.54	56.68
62.0-63.0	196.4	19.1	722.5	1.54	58.22
63.0-64.0	194.7	19.1	741.6	1.54	59.76
64.0-65.0	193.2	19.1	760.7	1.54	61.30
65.0-66.0	192.3	19.2	779.9	1.55	62.85
66.0-67.0	191.8	19.3	799.2	1.55	64.40
67.0-68.0	191.8	19.4	818.6	1.57	65.97
68.0-69.0	192.5	19.6	838.3	1.58	67.55
69.0-70.0	193.9	19.9	858.2	1.60	69.16
70.0-71.0	194.4	20.1	878.3	1.62	70.78
71.0-72.0	192.4	20.0	898.3	1.61	72.39

C Plane (°):0.0-360.0: 30.0  
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	187.4	19.6	917.9	1.58	73.97
73.0-74.0	179.5	18.9	936.8	1.52	75.49
74.0-75.0	168.6	17.8	954.6	1.44	76.92
75.0-76.0	156.9	16.7	971.2	1.34	78.27
76.0-77.0	146.9	15.7	986.9	1.26	79.53
77.0-78.0	138.9	14.9	1001.8	1.20	80.73
78.0-79.0	131.6	14.1	1015.9	1.14	81.87
79.0-80.0	124.6	13.4	1029.4	1.08	82.95
80.0-81.0	118.1	12.8	1042.1	1.03	83.98
81.0-82.0	111.6	12.1	1054.2	0.98	84.95
82.0-83.0	105.3	11.4	1065.7	0.92	85.88
83.0-84.0	99.3	10.8	1076.5	0.87	86.75
84.0-85.0	93.5	10.2	1086.7	0.82	87.57
85.0-86.0	87.7	9.6	1096.3	0.77	88.34
86.0-87.0	81.7	8.9	1105.2	0.72	89.06
87.0-88.0	75.6	8.3	1113.5	0.67	89.73
88.0-89.0	69.9	7.7	1121.2	0.62	90.35
89.0-90.0	65.1	7.1	1128.3	0.58	90.92
90.0-91.0	61.1	6.7	1135.0	0.54	91.46
91.0-92.0	57.7	6.3	1141.3	0.51	91.97
92.0-93.0	54.5	6.0	1147.3	0.48	92.46
93.0-94.0	51.6	5.6	1153.0	0.46	92.91
94.0-95.0	48.9	5.3	1158.3	0.43	93.34
95.0-96.0	46.3	5.1	1163.4	0.41	93.75
96.0-97.0	43.9	4.8	1168.1	0.39	94.13
97.0-98.0	41.7	4.5	1172.7	0.36	94.50
98.0-99.0	39.5	4.3	1177.0	0.35	94.84
99.0-100.0	37.5	4.1	1181.0	0.33	95.17
100.0-101.0	35.5	3.8	1184.8	0.31	95.48
101.0-102.0	33.7	3.6	1188.5	0.29	95.77
102.0-103.0	31.9	3.4	1191.9	0.28	96.05
103.0-104.0	30.3	3.2	1195.1	0.26	96.31
104.0-105.0	28.8	3.1	1198.2	0.25	96.55
105.0-106.0	27.3	2.9	1201.0	0.23	96.78
106.0-107.0	26.0	2.7	1203.8	0.22	97.00
107.0-108.0	24.7	2.6	1206.3	0.21	97.21

C Plane (°):0.0-360.0: 30.0  
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	23.4	2.4	1208.8	0.20	97.41
109.0-110.0	22.3	2.3	1211.1	0.19	97.59
110.0-111.0	21.1	2.2	1213.3	0.17	97.77
111.0-112.0	20.0	2.0	1215.3	0.16	97.93
112.0-113.0	18.8	1.9	1217.2	0.15	98.09
113.0-114.0	17.7	1.8	1219.0	0.14	98.23
114.0-115.0	16.6	1.7	1220.6	0.13	98.36
115.0-116.0	15.6	1.5	1222.2	0.12	98.49
116.0-117.0	14.7	1.4	1223.6	0.12	98.60
117.0-118.0	13.9	1.3	1225.0	0.11	98.71
118.0-119.0	13.1	1.3	1226.2	0.10	98.81
119.0-120.0	12.3	1.2	1227.4	0.09	98.91
120.0-121.0	11.6	1.1	1228.5	0.09	99.00
121.0-122.0	10.9	1.0	1229.5	0.08	99.08
122.0-123.0	10.2	0.9	1230.4	0.08	99.15
123.0-124.0	9.5	0.9	1231.3	0.07	99.23
124.0-125.0	8.9	0.8	1232.1	0.06	99.29
125.0-126.0	8.3	0.7	1232.9	0.06	99.35
126.0-127.0	7.8	0.7	1233.6	0.06	99.41
127.0-128.0	7.2	0.6	1234.2	0.05	99.46
128.0-129.0	6.7	0.6	1234.8	0.05	99.50
129.0-130.0	6.1	0.5	1235.3	0.04	99.54
130.0-131.0	5.6	0.5	1235.7	0.04	99.58
131.0-132.0	5.2	0.4	1236.2	0.03	99.62
132.0-133.0	4.8	0.4	1236.6	0.03	99.65
133.0-134.0	4.4	0.3	1236.9	0.03	99.67
134.0-135.0	4.0	0.3	1237.2	0.03	99.70
135.0-136.0	3.7	0.3	1237.5	0.02	99.72
136.0-137.0	3.4	0.3	1237.8	0.02	99.74
137.0-138.0	3.1	0.2	1238.0	0.02	99.76
138.0-139.0	2.9	0.2	1238.2	0.02	99.78
139.0-140.0	2.7	0.2	1238.4	0.02	99.80
140.0-141.0	2.5	0.2	1238.6	0.01	99.81
141.0-142.0	2.3	0.2	1238.7	0.01	99.82
142.0-143.0	2.2	0.1	1238.9	0.01	99.83
143.0-144.0	2.1	0.1	1239.0	0.01	99.84

C Plane (°):0.0-360.0: 30.0  
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	2.0	0.1	1239.1	0.01	99.85
145.0-146.0	1.9	0.1	1239.2	0.01	99.86
146.0-147.0	1.9	0.1	1239.4	0.01	99.87
147.0-148.0	1.8	0.1	1239.5	0.01	99.88
148.0-149.0	1.8	0.1	1239.6	0.01	99.89
149.0-150.0	1.8	0.1	1239.7	0.01	99.90
150.0-151.0	1.7	0.1	1239.8	0.01	99.90
151.0-152.0	1.7	0.1	1239.8	0.01	99.91
152.0-153.0	1.7	0.1	1239.9	0.01	99.92
153.0-154.0	1.6	0.1	1240.0	0.01	99.93
154.0-155.0	1.6	0.1	1240.1	0.01	99.93
155.0-156.0	1.6	0.1	1240.2	0.01	99.94
156.0-157.0	1.6	0.1	1240.2	0.01	99.94
157.0-158.0	1.5	0.1	1240.3	0.01	99.95
158.0-159.0	1.5	0.1	1240.4	0.00	99.95
159.0-160.0	1.5	0.1	1240.4	0.00	99.96
160.0-161.0	1.5	0.1	1240.5	0.00	99.96
161.0-162.0	1.5	0.1	1240.5	0.00	99.97
162.0-163.0	1.4	0.0	1240.6	0.00	99.97
163.0-164.0	1.4	0.0	1240.6	0.00	99.97
164.0-165.0	1.4	0.0	1240.6	0.00	99.98
165.0-166.0	1.4	0.0	1240.7	0.00	99.98
166.0-167.0	1.4	0.0	1240.7	0.00	99.98
167.0-168.0	1.4	0.0	1240.8	0.00	99.99
168.0-169.0	1.4	0.0	1240.8	0.00	99.99
169.0-170.0	1.3	0.0	1240.8	0.00	99.99
170.0-171.0	1.3	0.0	1240.8	0.00	99.99
171.0-172.0	1.3	0.0	1240.9	0.00	99.99
172.0-173.0	1.3	0.0	1240.9	0.00	100.00
173.0-174.0	1.3	0.0	1240.9	0.00	100.00
174.0-175.0	1.3	0.0	1240.9	0.00	100.00
175.0-176.0	1.3	0.0	1240.9	0.00	100.00
176.0-177.0	1.3	0.0	1240.9	0.00	100.00
177.0-178.0	1.3	0.0	1240.9	0.00	100.00
178.0-179.0	1.3	0.0	1240.9	0.00	100.00
179.0-180.0	1.3	0.0	1240.9	0.00	100.00

C Plane (°):0.0-360.0: 30.0  
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°): 395.38 lm

%lum = 31.9%

%lamp = 31.9%

cone flux(120°): 665.34 lm

%lum = 53.6%

%lamp = 53.6%

## 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