

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: 121.0 V

Power: 9.75 W

Number of Lamps:

Luminous Length (mm):

Luminous Height (mm):

Current: 0.082 A

Power Factor: 0.983

Photometric Results

IES Classification: Type IV

Total Rated Lamp Lumens: 1221.4 lm

Efficiency: 100%

Upward Ratio: 9%

C0r0 Intensity: 197.67 cd

Pos of Max. Intensity: H60 V41

Longitudinal Classification: Very Short

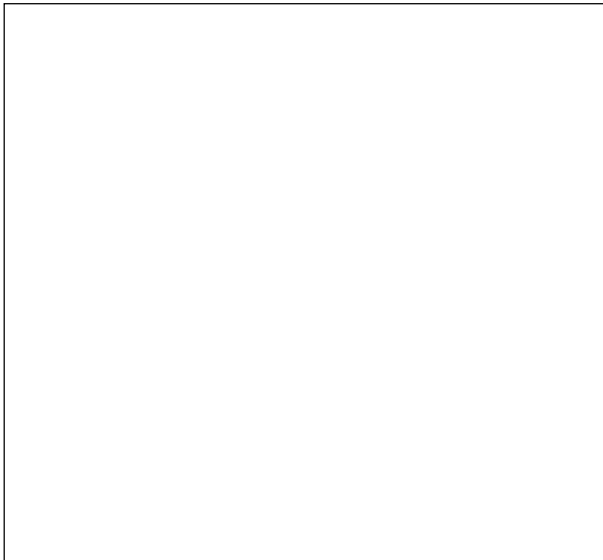
Measurement Flux: 1221.4 lm

Downward Ratio: 91%

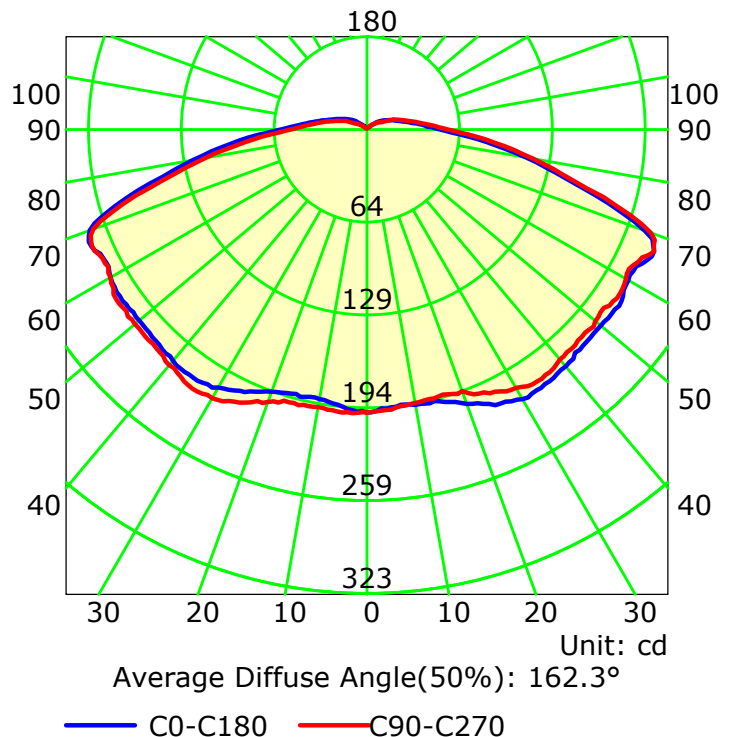
Luminaire Efficacy Rating (LER): 125.32

Max. Intensity: 224.67 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

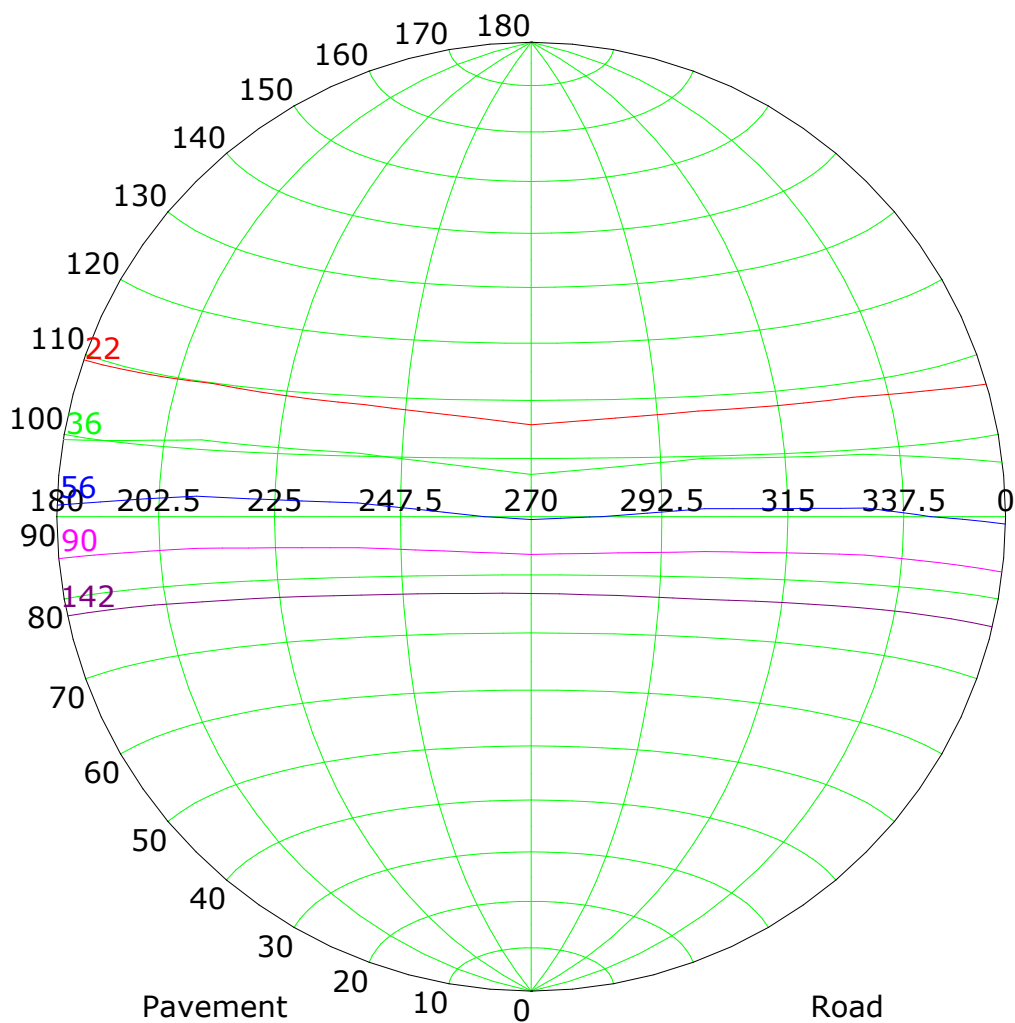
Test Device: GPM-1800B

Distance: 11.655 m [K=1.0000]

Humidity:

Inspector:

Isocandela (sphere)



Imax (100%): 225 cd

(10%):	22 cd	(16%):	36 cd
(25%):	56 cd	(40%):	90 cd
(63%):	142 cd	(100%):	225 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

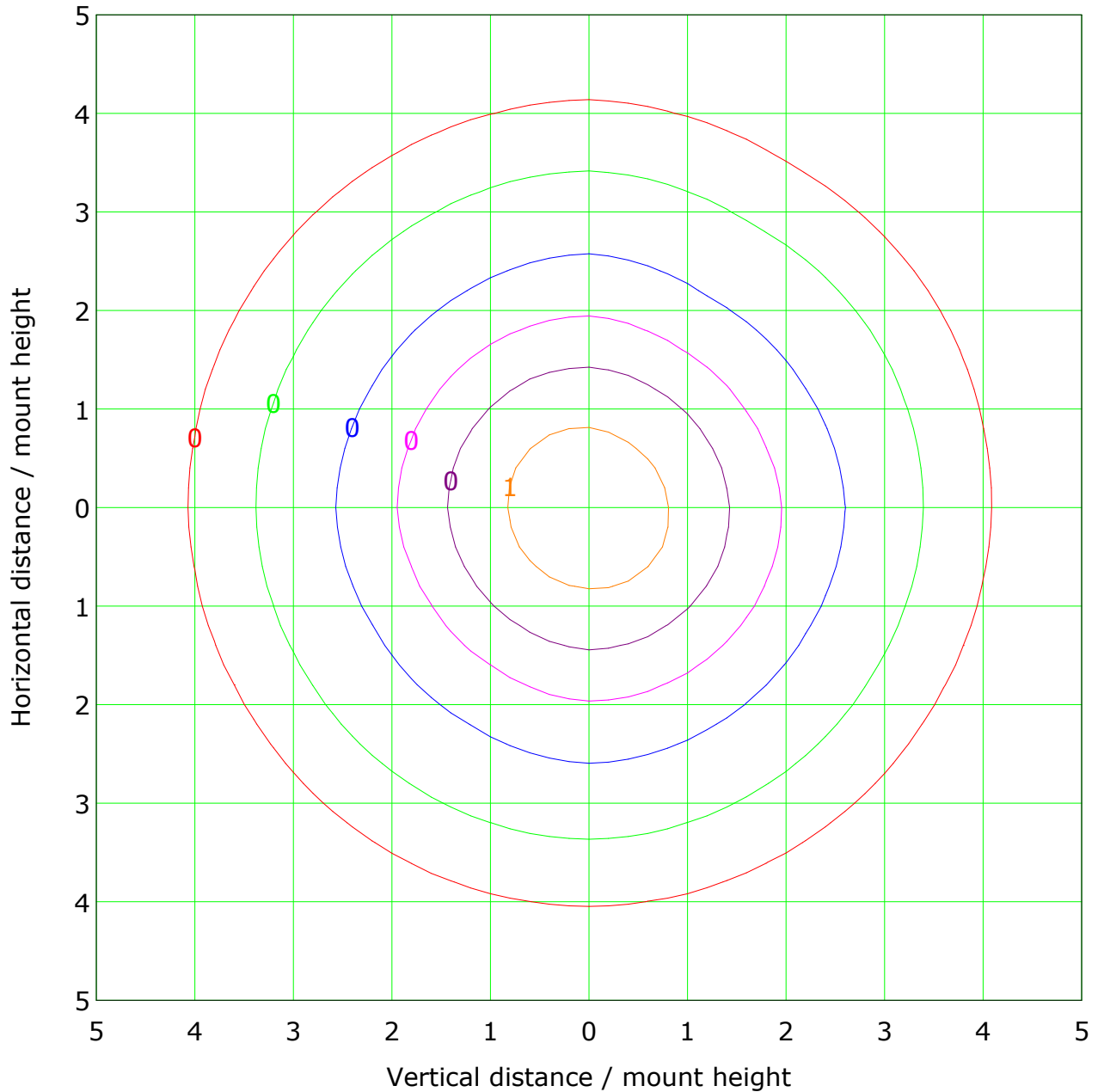
Test Device: GPM-1800B

Distance: 11.655 m [K=1.0000]

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 2.0 lx

(1%): 0.0 lx	(2%): 0.0 lx
(5%): 0.1 lx	(10%): 0.2 lx
(20%): 0.4 lx	(50%): 1.0 lx
(100%): 2.0 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

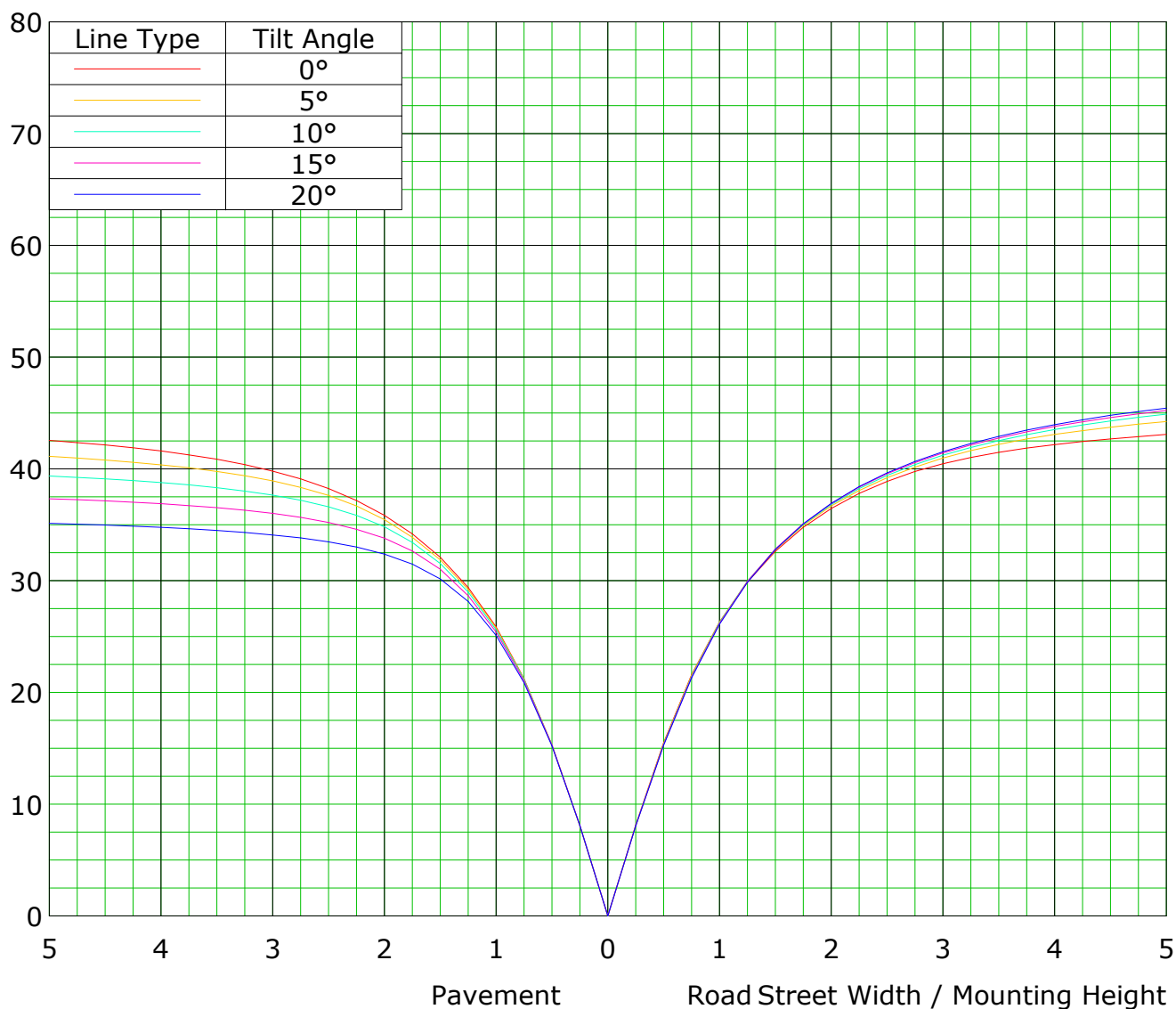
Distance: 11.655 m [K=1.0000]

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	559	45.7
	FL (0°-30°)	86	7.1
	FM (30°-60°)	243	19.9
	FH (60°-80°)	183	15.0
	FVH (80°-90°)	46	3.8
	BACK LIGHT	555	45.4
	BL (0°-30°)	84	6.9
	BM (30°-60°)	239	19.6
	BH (60°-80°)	182	14.9
	BVH (80°-90°)	49	4.0
	UP LIGHT	108	8.9
	UL (90°-100°)	51	4.1
	UH (100°-180°)	58	4.7
	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 _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	197.4	0.2	0.2	0.02	0.02
1.0-2.0	197.1	0.6	0.8	0.05	0.06
2.0-3.0	196.8	0.9	1.7	0.08	0.14
3.0-4.0	196.5	1.3	3.0	0.11	0.25
4.0-5.0	196.3	1.7	4.7	0.14	0.38
5.0-6.0	195.9	2.1	6.8	0.17	0.55
6.0-7.0	195.5	2.4	9.2	0.20	0.75
7.0-8.0	195.2	2.8	12.0	0.23	0.98
8.0-9.0	194.9	3.2	15.1	0.26	1.24
9.0-10.0	194.9	3.5	18.7	0.29	1.53
10.0-11.0	194.9	3.9	22.6	0.32	1.85
11.0-12.0	195.0	4.3	26.8	0.35	2.20
12.0-13.0	195.5	4.6	31.5	0.38	2.58
13.0-14.0	196.4	5.0	36.5	0.41	2.99
14.0-15.0	197.3	5.4	41.9	0.44	3.43
15.0-16.0	198.2	5.8	47.7	0.48	3.91
16.0-17.0	199.0	6.2	53.9	0.51	4.41
17.0-18.0	199.8	6.6	60.5	0.54	4.95
18.0-19.0	200.6	7.0	67.5	0.57	5.52
19.0-20.0	201.3	7.4	74.8	0.60	6.13
20.0-21.0	202.2	7.8	82.6	0.64	6.76
21.0-22.0	203.2	8.2	90.8	0.67	7.43
22.0-23.0	204.3	8.6	99.4	0.70	8.13
23.0-24.0	205.3	9.0	108.3	0.74	8.87
24.0-25.0	206.3	9.4	117.7	0.77	9.64
25.0-26.0	207.5	9.8	127.5	0.80	10.44
26.0-27.0	208.3	10.2	137.7	0.83	11.27
27.0-28.0	209.0	10.6	148.3	0.87	12.14
28.0-29.0	209.9	11.0	159.3	0.90	13.04
29.0-30.0	210.7	11.4	170.6	0.93	13.97
30.0-31.0	211.5	11.8	182.4	0.96	14.93
31.0-32.0	212.3	12.2	194.6	1.00	15.93
32.0-33.0	213.0	12.6	207.1	1.03	16.96
33.0-34.0	213.3	12.9	220.0	1.06	18.01
34.0-35.0	213.5	13.3	233.3	1.09	19.10
35.0-36.0	213.9	13.6	246.9	1.11	20.22

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 [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	214.0	14.0	260.9	1.14	21.36
37.0-38.0	214.0	14.3	275.2	1.17	22.53
38.0-39.0	213.7	14.6	289.7	1.19	23.72
39.0-40.0	213.5	14.9	304.6	1.22	24.94
40.0-41.0	213.5	15.2	319.9	1.24	26.19
41.0-42.0	213.2	15.5	335.3	1.27	27.46
42.0-43.0	212.7	15.8	351.1	1.29	28.75
43.0-44.0	212.4	16.0	367.1	1.31	30.06
44.0-45.0	211.9	16.3	383.4	1.33	31.39
45.0-46.0	211.2	16.5	399.9	1.35	32.74
46.0-47.0	210.7	16.8	416.7	1.37	34.12
47.0-48.0	210.3	17.0	433.7	1.39	35.51
48.0-49.0	209.9	17.2	450.9	1.41	36.92
49.0-50.0	209.3	17.5	468.4	1.43	38.35
50.0-51.0	208.7	17.7	486.1	1.45	39.79
51.0-52.0	208.1	17.9	503.9	1.46	41.26
52.0-53.0	207.4	18.0	522.0	1.48	42.73
53.0-54.0	206.8	18.2	540.2	1.49	44.23
54.0-55.0	206.2	18.4	558.6	1.51	45.73
55.0-56.0	205.5	18.6	577.2	1.52	47.25
56.0-57.0	205.0	18.7	595.9	1.53	48.79
57.0-58.0	204.2	18.9	614.8	1.55	50.34
58.0-59.0	203.5	19.0	633.8	1.56	51.89
59.0-60.0	202.8	19.2	653.0	1.57	53.46
60.0-61.0	202.1	19.3	672.3	1.58	55.04
61.0-62.0	201.3	19.4	691.7	1.59	56.63
62.0-63.0	200.8	19.5	711.2	1.60	58.23
63.0-64.0	200.7	19.7	730.9	1.61	59.84
64.0-65.0	200.8	19.9	750.8	1.63	61.47
65.0-66.0	201.3	20.1	770.9	1.64	63.11
66.0-67.0	202.2	20.3	791.2	1.66	64.78
67.0-68.0	202.3	20.5	811.7	1.68	66.46
68.0-69.0	201.2	20.5	832.2	1.68	68.14
69.0-70.0	198.8	20.4	852.6	1.67	69.81
70.0-71.0	194.4	20.1	872.7	1.64	71.45
71.0-72.0	187.6	19.5	892.2	1.60	73.05

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 [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	179.4	18.8	911.0	1.54	74.59
73.0-74.0	170.5	17.9	928.9	1.47	76.05
74.0-75.0	160.8	17.0	945.9	1.39	77.45
75.0-76.0	151.1	16.0	962.0	1.31	78.76
76.0-77.0	142.4	15.2	977.2	1.24	80.00
77.0-78.0	134.8	14.4	991.6	1.18	81.18
78.0-79.0	127.6	13.7	1005.3	1.12	82.31
79.0-80.0	120.7	13.0	1018.3	1.07	83.37
80.0-81.0	114.1	12.3	1030.7	1.01	84.38
81.0-82.0	107.6	11.7	1042.3	0.96	85.34
82.0-83.0	101.2	11.0	1053.3	0.90	86.24
83.0-84.0	95.2	10.4	1063.7	0.85	87.09
84.0-85.0	89.4	9.8	1073.5	0.80	87.89
85.0-86.0	83.5	9.1	1082.6	0.75	88.64
86.0-87.0	77.6	8.5	1091.1	0.70	89.33
87.0-88.0	71.9	7.9	1099.0	0.64	89.98
88.0-89.0	66.7	7.3	1106.3	0.60	90.57
89.0-90.0	62.3	6.8	1113.1	0.56	91.13
90.0-91.0	58.6	6.4	1119.5	0.53	91.66
91.0-92.0	55.3	6.1	1125.6	0.50	92.16
92.0-93.0	52.3	5.7	1131.3	0.47	92.62
93.0-94.0	49.5	5.4	1136.7	0.44	93.07
94.0-95.0	46.9	5.1	1141.9	0.42	93.49
95.0-96.0	44.4	4.9	1146.7	0.40	93.89
96.0-97.0	42.2	4.6	1151.3	0.38	94.26
97.0-98.0	40.0	4.3	1155.7	0.36	94.62
98.0-99.0	38.0	4.1	1159.8	0.34	94.95
99.0-100.0	36.0	3.9	1163.7	0.32	95.27
100.0-101.0	34.2	3.7	1167.4	0.30	95.58
101.0-102.0	32.4	3.5	1170.8	0.29	95.86
102.0-103.0	30.7	3.3	1174.1	0.27	96.13
103.0-104.0	29.1	3.1	1177.2	0.25	96.38
104.0-105.0	27.7	2.9	1180.2	0.24	96.62
105.0-106.0	26.3	2.8	1183.0	0.23	96.85
106.0-107.0	25.0	2.6	1185.6	0.21	97.07
107.0-108.0	23.7	2.5	1188.1	0.20	97.27

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 _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	22.5	2.3	1190.4	0.19	97.46
109.0-110.0	21.4	2.2	1192.6	0.18	97.64
110.0-111.0	20.3	2.1	1194.7	0.17	97.81
111.0-112.0	19.2	2.0	1196.7	0.16	97.97
112.0-113.0	18.1	1.8	1198.5	0.15	98.12
113.0-114.0	17.0	1.7	1200.2	0.14	98.26
114.0-115.0	16.0	1.6	1201.8	0.13	98.40
115.0-116.0	15.0	1.5	1203.3	0.12	98.52
116.0-117.0	14.1	1.4	1204.7	0.11	98.63
117.0-118.0	13.3	1.3	1206.0	0.11	98.74
118.0-119.0	12.6	1.2	1207.2	0.10	98.84
119.0-120.0	11.8	1.1	1208.3	0.09	98.93
120.0-121.0	11.1	1.1	1209.4	0.09	99.01
121.0-122.0	10.5	1.0	1210.3	0.08	99.09
122.0-123.0	9.8	0.9	1211.2	0.07	99.17
123.0-124.0	9.2	0.8	1212.1	0.07	99.24
124.0-125.0	8.6	0.8	1212.9	0.06	99.30
125.0-126.0	8.0	0.7	1213.6	0.06	99.36
126.0-127.0	7.5	0.7	1214.2	0.05	99.41
127.0-128.0	7.0	0.6	1214.8	0.05	99.46
128.0-129.0	6.4	0.6	1215.4	0.05	99.51
129.0-130.0	5.9	0.5	1215.9	0.04	99.55
130.0-131.0	5.4	0.5	1216.3	0.04	99.59
131.0-132.0	5.0	0.4	1216.8	0.03	99.62
132.0-133.0	4.6	0.4	1217.1	0.03	99.65
133.0-134.0	4.3	0.3	1217.5	0.03	99.68
134.0-135.0	3.9	0.3	1217.8	0.03	99.70
135.0-136.0	3.6	0.3	1218.1	0.02	99.73
136.0-137.0	3.3	0.3	1218.3	0.02	99.75
137.0-138.0	3.1	0.2	1218.5	0.02	99.77
138.0-139.0	2.8	0.2	1218.7	0.02	99.78
139.0-140.0	2.6	0.2	1218.9	0.02	99.80
140.0-141.0	2.4	0.2	1219.1	0.01	99.81
141.0-142.0	2.2	0.2	1219.2	0.01	99.82
142.0-143.0	2.1	0.1	1219.4	0.01	99.83
143.0-144.0	2.0	0.1	1219.5	0.01	99.85

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 _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	1.9	0.1	1219.6	0.01	99.86
145.0-146.0	1.9	0.1	1219.7	0.01	99.86
146.0-147.0	1.8	0.1	1219.9	0.01	99.87
147.0-148.0	1.8	0.1	1220.0	0.01	99.88
148.0-149.0	1.7	0.1	1220.1	0.01	99.89
149.0-150.0	1.7	0.1	1220.2	0.01	99.90
150.0-151.0	1.7	0.1	1220.2	0.01	99.91
151.0-152.0	1.7	0.1	1220.3	0.01	99.91
152.0-153.0	1.6	0.1	1220.4	0.01	99.92
153.0-154.0	1.6	0.1	1220.5	0.01	99.93
154.0-155.0	1.6	0.1	1220.6	0.01	99.93
155.0-156.0	1.6	0.1	1220.6	0.01	99.94
156.0-157.0	1.5	0.1	1220.7	0.01	99.94
157.0-158.0	1.5	0.1	1220.8	0.01	99.95
158.0-159.0	1.5	0.1	1220.8	0.00	99.95
159.0-160.0	1.5	0.1	1220.9	0.00	99.96
160.0-161.0	1.4	0.1	1220.9	0.00	99.96
161.0-162.0	1.4	0.0	1221.0	0.00	99.97
162.0-163.0	1.4	0.0	1221.0	0.00	99.97
163.0-164.0	1.4	0.0	1221.1	0.00	99.97
164.0-165.0	1.4	0.0	1221.1	0.00	99.98
165.0-166.0	1.4	0.0	1221.2	0.00	99.98
166.0-167.0	1.3	0.0	1221.2	0.00	99.98
167.0-168.0	1.3	0.0	1221.2	0.00	99.99
168.0-169.0	1.3	0.0	1221.3	0.00	99.99
169.0-170.0	1.3	0.0	1221.3	0.00	99.99
170.0-171.0	1.3	0.0	1221.3	0.00	99.99
171.0-172.0	1.3	0.0	1221.3	0.00	99.99
172.0-173.0	1.3	0.0	1221.3	0.00	100.00
173.0-174.0	1.3	0.0	1221.4	0.00	100.00
174.0-175.0	1.3	0.0	1221.4	0.00	100.00
175.0-176.0	1.3	0.0	1221.4	0.00	100.00
176.0-177.0	1.3	0.0	1221.4	0.00	100.00
177.0-178.0	1.3	0.0	1221.4	0.00	100.00
178.0-179.0	1.3	0.0	1221.4	0.00	100.00
179.0-180.0	1.3	0.0	1221.4	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°): 383.42 lm

%lum = 31.4%

%lamp = 31.4%

cone flux(120°): 652.99 lm

%lum = 53.5%

%lamp = 53.5%

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