

Report No.:

Test Time: 2024/3/28

Luminaire Property

Luminaire Manufacturer:

Luminaire Category:

Luminaire Description: 210-01-26W-27V-3CCT-D(80%)

Lamp Catalog:

Lamp Description:

Lumens per Lamp:

Luminous Width (mm):

Voltage: 120.6 V

Power: 20.50 W

Number of Lamps:

Luminous Length (mm):

Luminous Height (mm):

Current: 0.171 A

Power Factor: 0.991

Photometric Results

IES Classification: Type IV

Total Rated Lamp Lumens: 2404.6 lm

Efficiency: 100%

Upward Ratio: 9%

C0r0 Intensity: 392.88 cd

Pos of Max. Intensity: H330 V37

Longitudinal Classification: Very Short

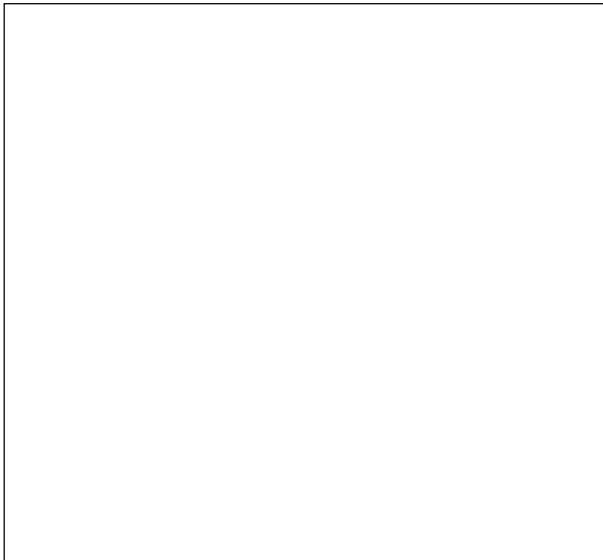
Measurement Flux: 2404.6 lm

Downward Ratio: 91%

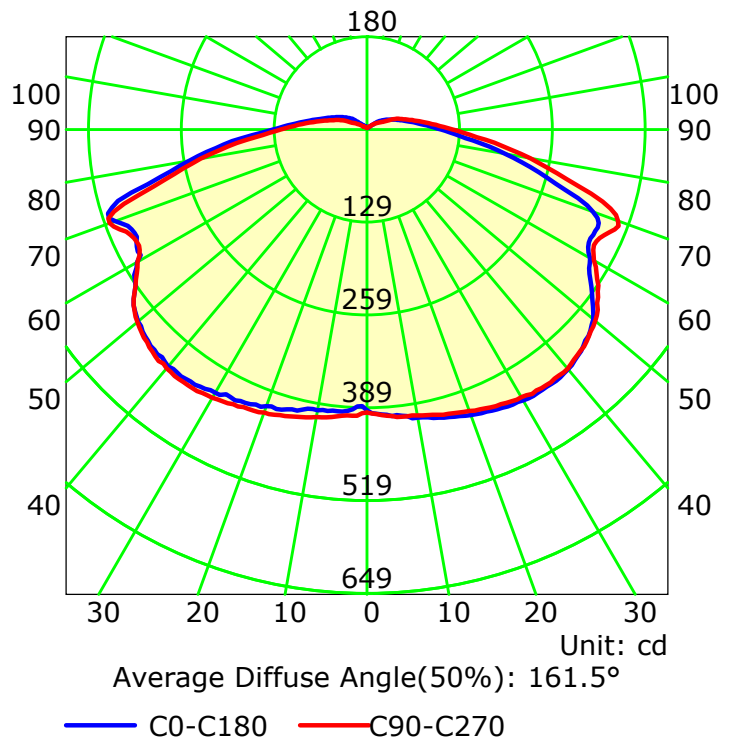
Luminaire Efficacy Rating (LER): 117.35

Max. Intensity: 455.28 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

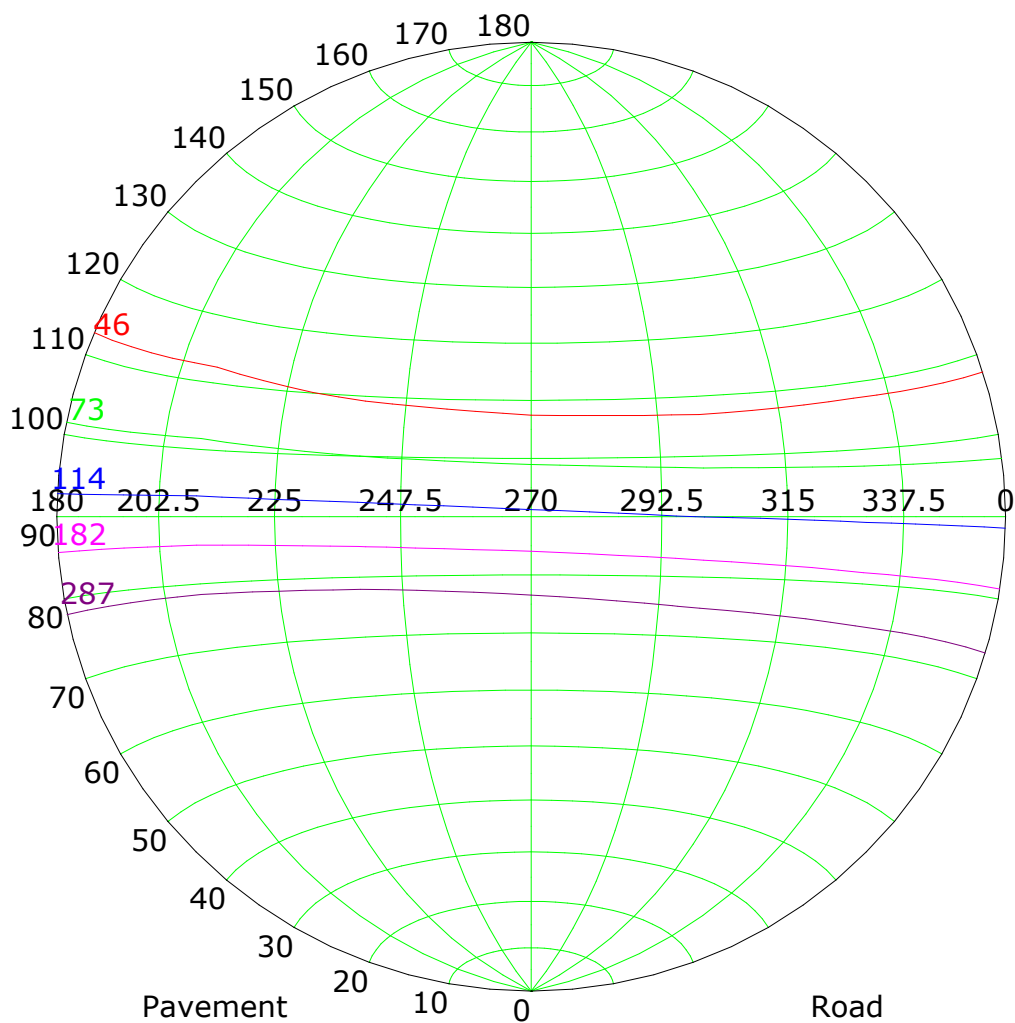
Test Device: GPM-1800B

Distance: 11.655 m [K=1.0000]

Humidity:

Inspector:

Isocandela (sphere)



Imax (100%): 455 cd

(10%):	46 cd	(16%):	73 cd
(25%):	114 cd	(40%):	182 cd
(63%):	287 cd	(100%):	455 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

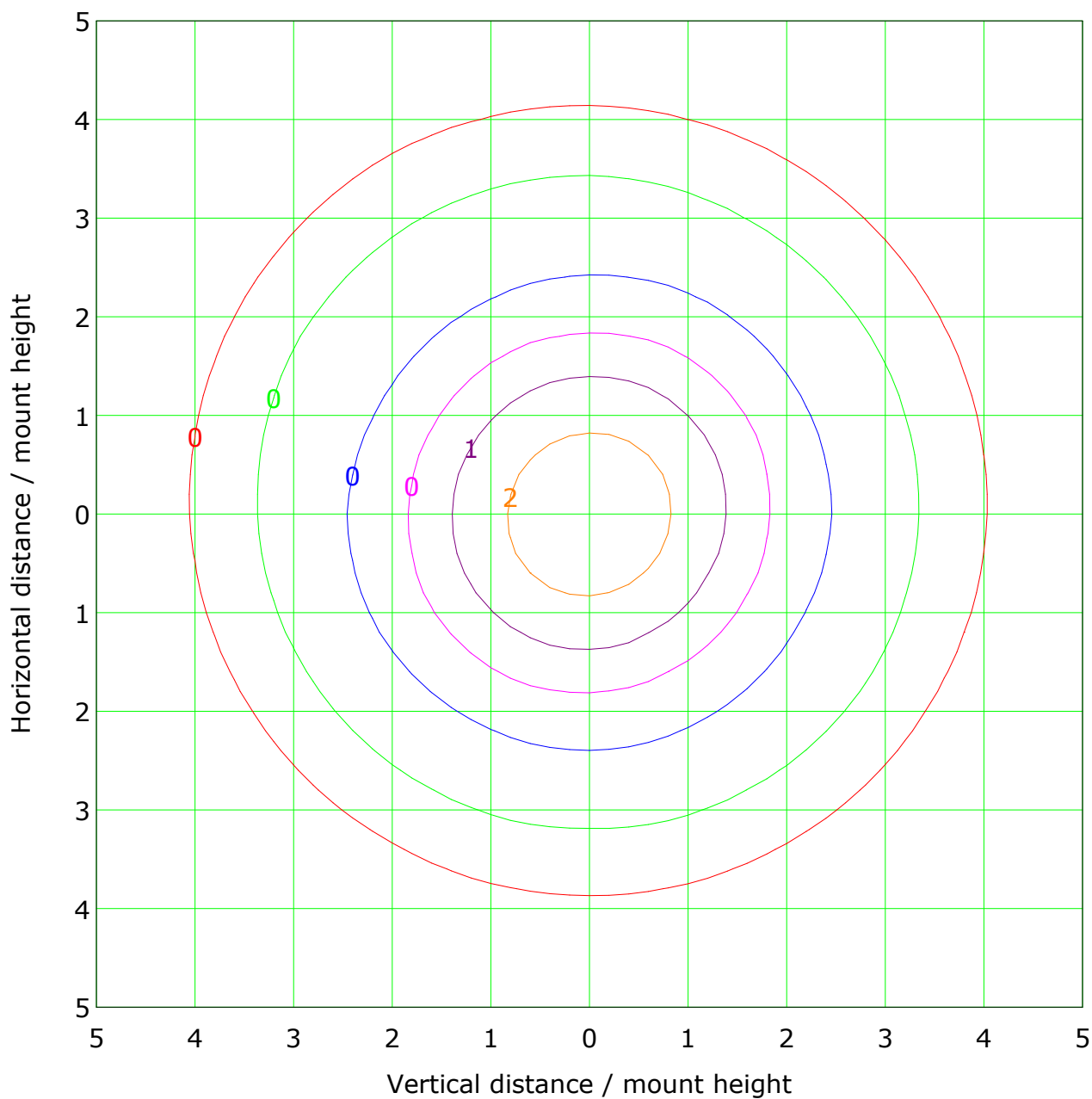
Test Device: GPM-1800B

Distance: 11.655 m [K=1.0000]

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 4.0 lx

(1%): 0.0 lx	(2%): 0.1 lx
(5%): 0.2 lx	(10%): 0.4 lx
(20%): 0.8 lx	(50%): 2.0 lx
(100%): 4.0 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

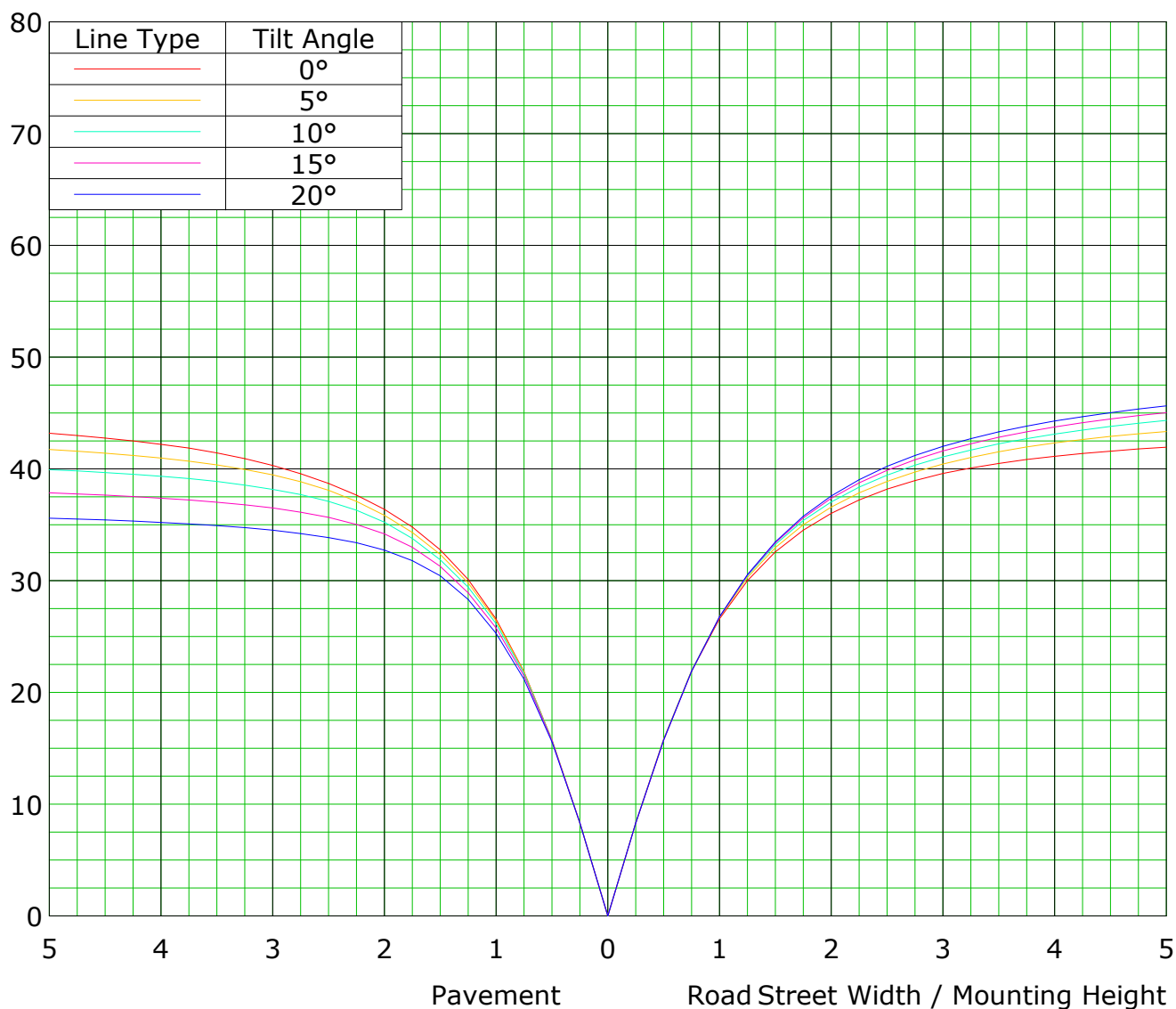
Distance: 11.655 m [K=1.0000]

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	1067	44.4
	FL (0°-30°)	179	7.5
	FM (30°-60°)	478	19.9
	FH (60°-80°)	326	13.5
	FVH (80°-90°)	84	3.5
	BACK LIGHT	1110	46.2
	BL (0°-30°)	176	7.3
	BM (30°-60°)	482	20.0
	BH (60°-80°)	352	14.6
	BVH (80°-90°)	100	4.1
	UP LIGHT	227	9.5
	UL (90°-100°)	101	4.2
	UH (100°-180°)	127	5.3
	TRAPPED LIGHT	NA	NA

BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B1 U3 G1
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B1 U3 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	395.2	0.4	0.4	0.02	0.02
1.0-2.0	396.1	1.1	1.5	0.05	0.06
2.0-3.0	397.9	1.9	3.4	0.08	0.14
3.0-4.0	399.6	2.7	6.1	0.11	0.25
4.0-5.0	400.7	3.4	9.5	0.14	0.40
5.0-6.0	401.7	4.2	13.8	0.18	0.57
6.0-7.0	402.8	5.0	18.8	0.21	0.78
7.0-8.0	404.0	5.8	24.5	0.24	1.02
8.0-9.0	405.3	6.6	31.1	0.27	1.29
9.0-10.0	406.4	7.4	38.5	0.31	1.60
10.0-11.0	407.7	8.1	46.6	0.34	1.94
11.0-12.0	409.4	8.9	55.6	0.37	2.31
12.0-13.0	411.1	9.8	65.3	0.41	2.72
13.0-14.0	412.9	10.6	75.9	0.44	3.16
14.0-15.0	414.5	11.4	87.3	0.47	3.63
15.0-16.0	416.0	12.2	99.5	0.51	4.14
16.0-17.0	417.6	13.0	112.5	0.54	4.68
17.0-18.0	419.2	13.8	126.3	0.57	5.25
18.0-19.0	420.7	14.6	140.9	0.61	5.86
19.0-20.0	422.3	15.5	156.4	0.64	6.50
20.0-21.0	424.0	16.3	172.7	0.68	7.18
21.0-22.0	425.5	17.1	189.8	0.71	7.89
22.0-23.0	426.9	17.9	207.7	0.74	8.64
23.0-24.0	428.4	18.7	226.4	0.78	9.42
24.0-25.0	429.7	19.5	246.0	0.81	10.23
25.0-26.0	431.1	20.4	266.3	0.85	11.08
26.0-27.0	432.4	21.2	287.5	0.88	11.96
27.0-28.0	433.5	22.0	309.4	0.91	12.87
28.0-29.0	434.8	22.8	332.2	0.95	13.81
29.0-30.0	436.1	23.5	355.7	0.98	14.79
30.0-31.0	437.0	24.3	380.1	1.01	15.80
31.0-32.0	438.1	25.1	405.2	1.04	16.85
32.0-33.0	438.8	25.9	431.0	1.08	17.92
33.0-34.0	439.2	26.6	457.6	1.11	19.03
34.0-35.0	439.7	27.3	484.9	1.14	20.17
35.0-36.0	439.8	28.0	512.9	1.16	21.33

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	439.8	28.7	541.6	1.19	22.52
37.0-38.0	439.8	29.4	571.0	1.22	23.74
38.0-39.0	439.4	30.0	601.0	1.25	24.99
39.0-40.0	438.6	30.6	631.6	1.27	26.26
40.0-41.0	437.5	31.2	662.7	1.30	27.56
41.0-42.0	436.1	31.7	694.4	1.32	28.88
42.0-43.0	434.7	32.2	726.6	1.34	30.22
43.0-44.0	433.3	32.7	759.3	1.36	31.58
44.0-45.0	431.5	33.2	792.5	1.38	32.96
45.0-46.0	429.6	33.6	826.1	1.40	34.35
46.0-47.0	427.3	34.0	860.1	1.41	35.77
47.0-48.0	424.9	34.4	894.4	1.43	37.20
48.0-49.0	422.1	34.7	929.1	1.44	38.64
49.0-50.0	418.9	34.9	964.0	1.45	40.09
50.0-51.0	415.5	35.2	999.2	1.46	41.55
51.0-52.0	411.2	35.3	1034.5	1.47	43.02
52.0-53.0	406.1	35.3	1069.8	1.47	44.49
53.0-54.0	400.5	35.3	1105.1	1.47	45.96
54.0-55.0	394.8	35.2	1140.4	1.47	47.42
55.0-56.0	388.9	35.1	1175.5	1.46	48.89
56.0-57.0	383.5	35.1	1210.6	1.46	50.34
57.0-58.0	378.7	35.0	1245.6	1.46	51.80
58.0-59.0	374.3	35.0	1280.6	1.46	53.26
59.0-60.0	370.3	35.0	1315.6	1.45	54.71
60.0-61.0	366.2	34.9	1350.5	1.45	56.16
61.0-62.0	362.9	35.0	1385.5	1.45	57.62
62.0-63.0	360.6	35.1	1420.6	1.46	59.08
63.0-64.0	358.7	35.2	1455.8	1.46	60.54
64.0-65.0	357.4	35.4	1491.2	1.47	62.01
65.0-66.0	356.8	35.6	1526.8	1.48	63.49
66.0-67.0	357.3	35.9	1562.7	1.49	64.99
67.0-68.0	359.1	36.4	1599.1	1.51	66.50
68.0-69.0	361.6	36.9	1636.0	1.53	68.03
69.0-70.0	363.0	37.3	1673.3	1.55	69.59
70.0-71.0	361.9	37.4	1710.7	1.56	71.14
71.0-72.0	356.9	37.1	1747.8	1.54	72.68

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 _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	346.7	36.3	1784.0	1.51	74.19
73.0-74.0	331.9	34.9	1818.9	1.45	75.64
74.0-75.0	314.4	33.2	1852.2	1.38	77.03
75.0-76.0	295.8	31.4	1883.6	1.31	78.33
76.0-77.0	277.9	29.6	1913.2	1.23	79.56
77.0-78.0	262.2	28.1	1941.3	1.17	80.73
78.0-79.0	248.5	26.7	1968.0	1.11	81.84
79.0-80.0	235.3	25.4	1993.4	1.06	82.90
80.0-81.0	222.3	24.0	2017.4	1.00	83.90
81.0-82.0	209.4	22.7	2040.1	0.94	84.84
82.0-83.0	196.6	21.4	2061.5	0.89	85.73
83.0-84.0	184.1	20.1	2081.5	0.83	86.56
84.0-85.0	171.8	18.8	2100.3	0.78	87.34
85.0-86.0	159.9	17.5	2117.8	0.73	88.07
86.0-87.0	148.9	16.3	2134.1	0.68	88.75
87.0-88.0	139.1	15.2	2149.3	0.63	89.38
88.0-89.0	130.6	14.3	2163.6	0.60	89.98
89.0-90.0	123.3	13.5	2177.2	0.56	90.54
90.0-91.0	116.7	12.8	2189.9	0.53	91.07
91.0-92.0	110.5	12.1	2202.1	0.50	91.58
92.0-93.0	104.6	11.5	2213.5	0.48	92.05
93.0-94.0	99.1	10.8	2224.4	0.45	92.50
94.0-95.0	93.8	10.3	2234.6	0.43	92.93
95.0-96.0	88.8	9.7	2244.3	0.40	93.33
96.0-97.0	84.2	9.2	2253.5	0.38	93.71
97.0-98.0	79.7	8.7	2262.2	0.36	94.08
98.0-99.0	75.6	8.2	2270.4	0.34	94.42
99.0-100.0	71.8	7.8	2278.1	0.32	94.74
100.0-101.0	68.3	7.4	2285.5	0.31	95.05
101.0-102.0	64.9	7.0	2292.5	0.29	95.34
102.0-103.0	61.9	6.6	2299.1	0.28	95.61
103.0-104.0	59.0	6.3	2305.4	0.26	95.87
104.0-105.0	56.3	6.0	2311.3	0.25	96.12
105.0-106.0	53.7	5.7	2317.0	0.24	96.36
106.0-107.0	51.4	5.4	2322.4	0.22	96.58
107.0-108.0	49.2	5.1	2327.6	0.21	96.80

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	47.1	4.9	2332.5	0.20	97.00
109.0-110.0	45.0	4.7	2337.1	0.19	97.19
110.0-111.0	43.1	4.4	2341.5	0.18	97.38
111.0-112.0	41.0	4.2	2345.7	0.17	97.55
112.0-113.0	39.0	3.9	2349.7	0.16	97.72
113.0-114.0	36.9	3.7	2353.4	0.15	97.87
114.0-115.0	34.9	3.5	2356.9	0.14	98.01
115.0-116.0	33.1	3.3	2360.1	0.14	98.15
116.0-117.0	31.6	3.1	2363.2	0.13	98.28
117.0-118.0	30.2	2.9	2366.2	0.12	98.40
118.0-119.0	28.8	2.8	2369.0	0.12	98.52
119.0-120.0	27.4	2.6	2371.6	0.11	98.63
120.0-121.0	26.1	2.5	2374.0	0.10	98.73
121.0-122.0	24.8	2.3	2376.4	0.10	98.82
122.0-123.0	23.6	2.2	2378.5	0.09	98.91
123.0-124.0	22.3	2.0	2380.6	0.08	99.00
124.0-125.0	21.2	1.9	2382.5	0.08	99.08
125.0-126.0	20.1	1.8	2384.3	0.07	99.15
126.0-127.0	18.9	1.7	2385.9	0.07	99.22
127.0-128.0	17.7	1.5	2387.5	0.06	99.29
128.0-129.0	16.5	1.4	2388.9	0.06	99.35
129.0-130.0	15.4	1.3	2390.2	0.05	99.40
130.0-131.0	14.2	1.2	2391.4	0.05	99.45
131.0-132.0	13.2	1.1	2392.5	0.04	99.49
132.0-133.0	12.1	1.0	2393.5	0.04	99.54
133.0-134.0	11.2	0.9	2394.4	0.04	99.57
134.0-135.0	10.3	0.8	2395.2	0.03	99.61
135.0-136.0	9.5	0.7	2395.9	0.03	99.64
136.0-137.0	8.8	0.7	2396.6	0.03	99.66
137.0-138.0	8.2	0.6	2397.2	0.03	99.69
138.0-139.0	7.6	0.6	2397.7	0.02	99.71
139.0-140.0	7.1	0.5	2398.2	0.02	99.73
140.0-141.0	6.6	0.5	2398.7	0.02	99.75
141.0-142.0	6.2	0.4	2399.1	0.02	99.77
142.0-143.0	5.9	0.4	2399.5	0.02	99.79
143.0-144.0	5.5	0.4	2399.9	0.02	99.80

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	5.3	0.3	2400.2	0.01	99.82
145.0-146.0	5.1	0.3	2400.5	0.01	99.83
146.0-147.0	4.9	0.3	2400.8	0.01	99.84
147.0-148.0	4.8	0.3	2401.1	0.01	99.85
148.0-149.0	4.7	0.3	2401.4	0.01	99.86
149.0-150.0	4.5	0.3	2401.6	0.01	99.87
150.0-151.0	4.4	0.2	2401.8	0.01	99.88
151.0-152.0	4.3	0.2	2402.1	0.01	99.89
152.0-153.0	4.2	0.2	2402.3	0.01	99.90
153.0-154.0	4.1	0.2	2402.5	0.01	99.91
154.0-155.0	4.0	0.2	2402.7	0.01	99.92
155.0-156.0	3.9	0.2	2402.9	0.01	99.93
156.0-157.0	3.8	0.2	2403.0	0.01	99.93
157.0-158.0	3.7	0.2	2403.2	0.01	99.94
158.0-159.0	3.6	0.1	2403.3	0.01	99.95
159.0-160.0	3.5	0.1	2403.5	0.01	99.95
160.0-161.0	3.5	0.1	2403.6	0.01	99.96
161.0-162.0	3.4	0.1	2403.7	0.00	99.96
162.0-163.0	3.3	0.1	2403.8	0.00	99.97
163.0-164.0	3.2	0.1	2403.9	0.00	99.97
164.0-165.0	3.1	0.1	2404.0	0.00	99.97
165.0-166.0	3.1	0.1	2404.1	0.00	99.98
166.0-167.0	3.0	0.1	2404.2	0.00	99.98
167.0-168.0	3.0	0.1	2404.2	0.00	99.98
168.0-169.0	2.9	0.1	2404.3	0.00	99.99
169.0-170.0	2.9	0.1	2404.4	0.00	99.99
170.0-171.0	2.8	0.1	2404.4	0.00	99.99
171.0-172.0	2.8	0.0	2404.5	0.00	99.99
172.0-173.0	2.8	0.0	2404.5	0.00	99.99
173.0-174.0	2.7	0.0	2404.5	0.00	100.00
174.0-175.0	2.7	0.0	2404.6	0.00	100.00
175.0-176.0	2.7	0.0	2404.6	0.00	100.00
176.0-177.0	2.7	0.0	2404.6	0.00	100.00
177.0-178.0	2.7	0.0	2404.6	0.00	100.00
178.0-179.0	2.8	0.0	2404.6	0.00	100.00
179.0-180.0	2.8	0.0	2404.6	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°): 792.48 lm

%lum = 33.0%

%lamp = 33.0%

cone flux(120°): 1315.58 lm

%lum = 54.7%

%lamp = 54.7%

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