

Report No.:

Test Time: 2024/3/28

Luminaire Property

Luminaire Manufacturer:

Luminaire Category:

Luminaire Description: 210-01-26W-27V-3CCT-D(100%)

Lamp Catalog:

Lamp Description:

Number of Lamps:

Luminous Length (mm):

Luminous Height (mm):

Current: 0.213 A

Power Factor: 0.991

Lumens per Lamp:

Luminous Width (mm):

Voltage: 120.6 V

Power: 25.53 W

Photometric Results

IES Classification: Type IV

Total Rated Lamp Lumens: 2845.7 lm

Efficiency: 100%

Upward Ratio: 9%

C0r0 Intensity: 384.48 cd

Pos of Max. Intensity: H300 V40

Longitudinal Classification: Very Short

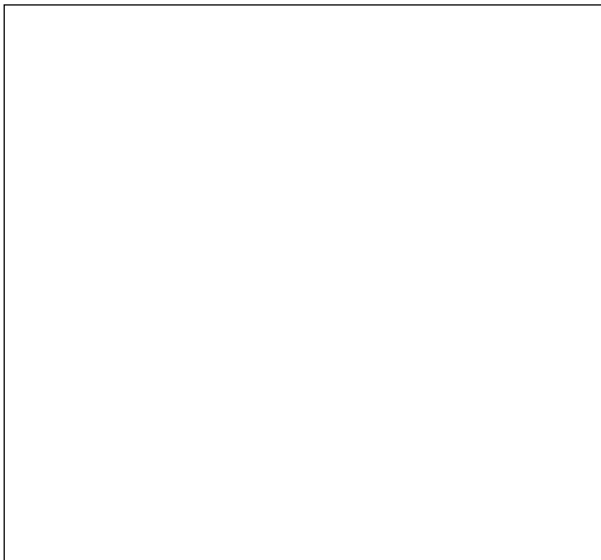
Measurement Flux: 2845.7 lm

Downward Ratio: 91%

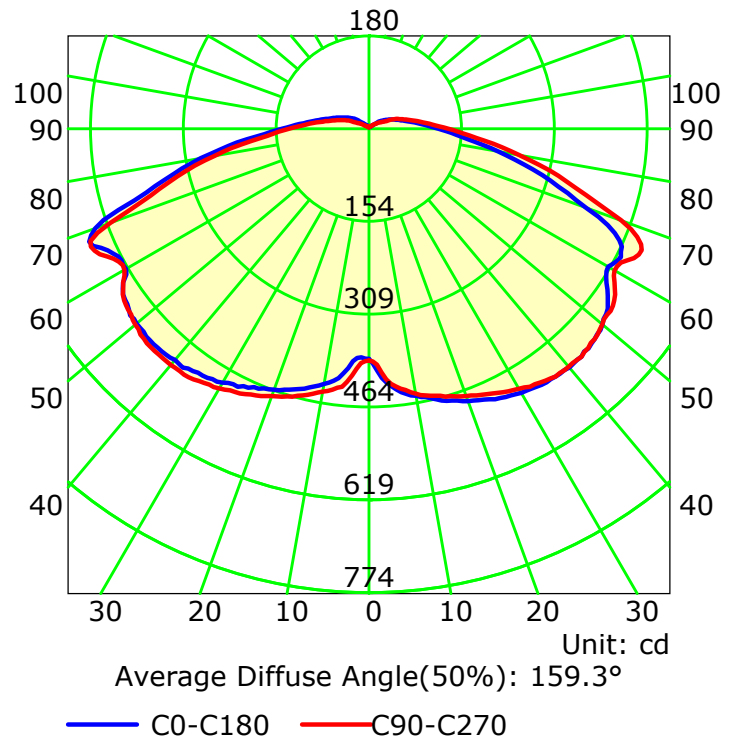
Luminaire Efficacy Rating (LER): 111.52

Max. Intensity: 538.47 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

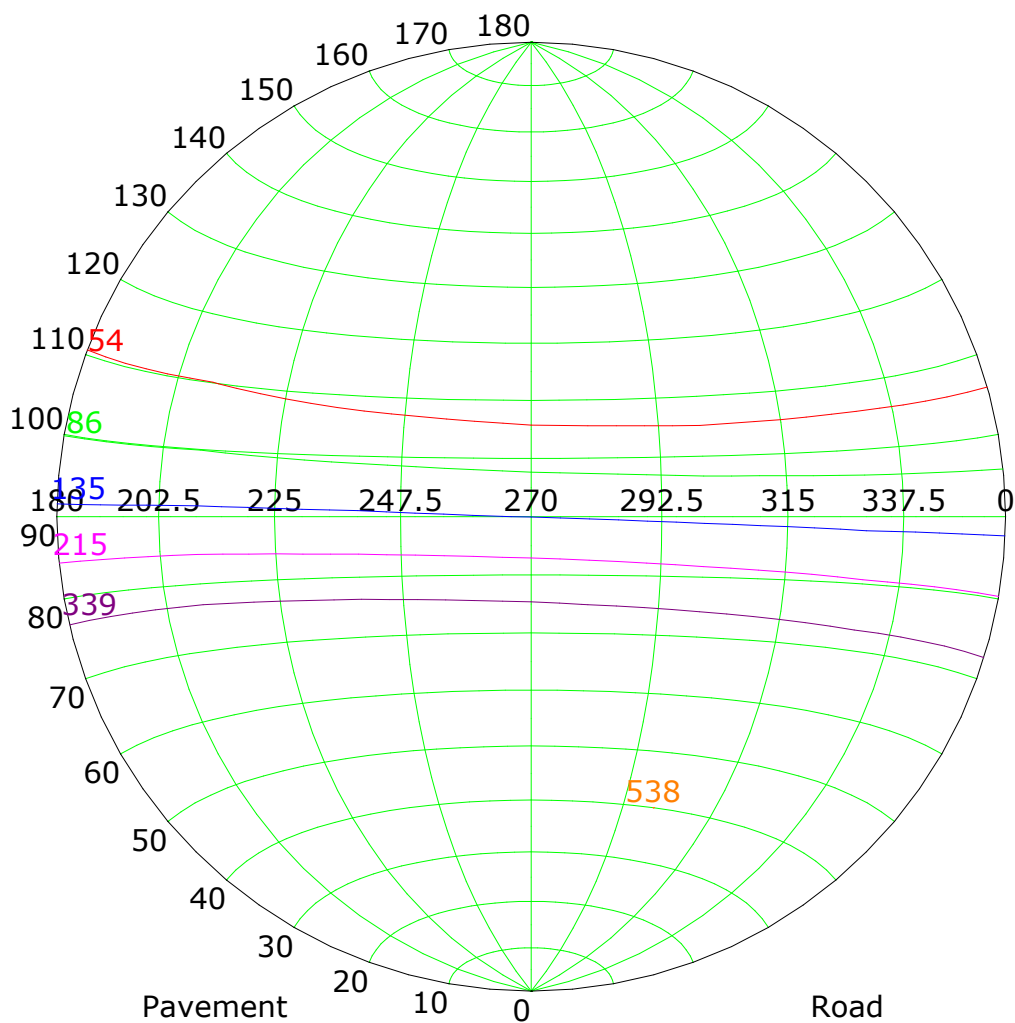
Test Device: GPM-1800B

Distance: 11.655 m [K=1.0000]

Humidity:

Inspector:

Isocandela (sphere)



Imax (100%): 538 cd

(10%): 54 cd
(25%): 135 cd
(63%): 339 cd

(16%): 86 cd
(40%): 215 cd
(100%): 538 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

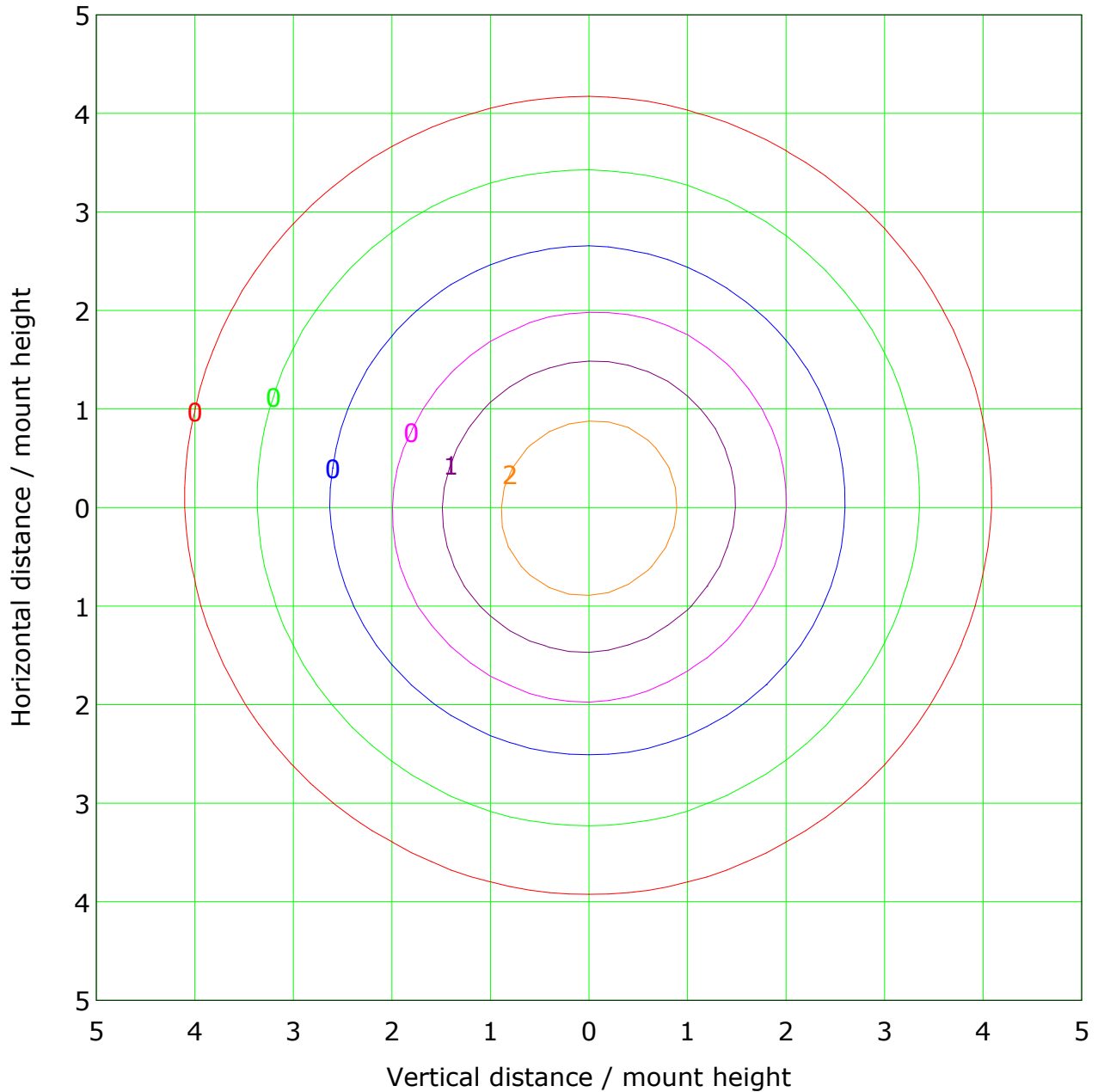
Test Device: GPM-1800B

Distance: 11.655 m [K=1.0000]

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 4.3 lx

(1%): 0.0 lx	(2%): 0.1 lx
(5%): 0.2 lx	(10%): 0.4 lx
(20%): 0.9 lx	(50%): 2.2 lx
(100%): 4.3 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

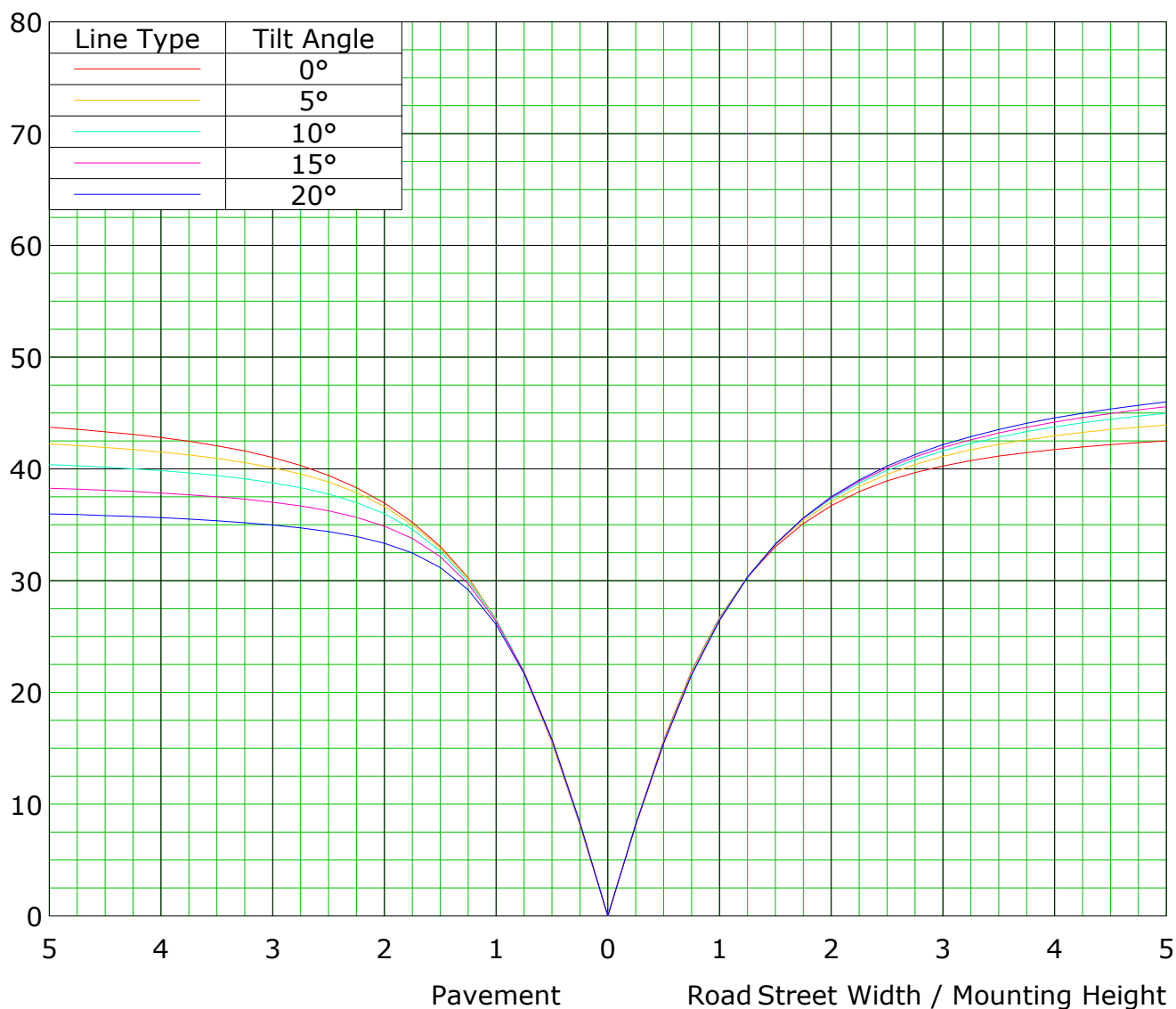
Distance: 11.655 m [K=1.0000]

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	1274	44.8
	FL (0°-30°)	202	7.1
	FM (30°-60°)	582	20.4
	FH (60°-80°)	397	14.0
	FVH (80°-90°)	93	3.3
	BACK LIGHT	1322	46.5
	BL (0°-30°)	197	6.9
	BM (30°-60°)	583	20.5
	BH (60°-80°)	433	15.2
	BVH (80°-90°)	109	3.8
	UP LIGHT	249	8.8
	UL (90°-100°)	111	3.9
	UH (100°-180°)	138	4.9
	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	387.2	0.4	0.4	0.01	0.01
1.0-2.0	391.1	1.1	1.5	0.04	0.05
2.0-3.0	397.8	1.9	3.4	0.07	0.12
3.0-4.0	406.2	2.7	6.1	0.10	0.21
4.0-5.0	415.0	3.6	9.7	0.13	0.34
5.0-6.0	422.9	4.4	14.1	0.16	0.50
6.0-7.0	428.7	5.3	19.5	0.19	0.68
7.0-8.0	433.1	6.2	25.7	0.22	0.90
8.0-9.0	437.0	7.1	32.7	0.25	1.15
9.0-10.0	440.5	8.0	40.7	0.28	1.43
10.0-11.0	443.6	8.9	49.6	0.31	1.74
11.0-12.0	447.1	9.8	59.3	0.34	2.09
12.0-13.0	450.4	10.7	70.0	0.38	2.46
13.0-14.0	453.8	11.6	81.7	0.41	2.87
14.0-15.0	457.5	12.6	94.2	0.44	3.31
15.0-16.0	461.1	13.5	107.7	0.47	3.79
16.0-17.0	464.6	14.5	122.2	0.51	4.29
17.0-18.0	468.1	15.4	137.6	0.54	4.84
18.0-19.0	471.6	16.4	154.0	0.58	5.41
19.0-20.0	474.9	17.4	171.4	0.61	6.02
20.0-21.0	478.0	18.4	189.8	0.65	6.67
21.0-22.0	481.2	19.3	209.1	0.68	7.35
22.0-23.0	484.3	20.3	229.4	0.71	8.06
23.0-24.0	487.4	21.3	250.8	0.75	8.81
24.0-25.0	490.7	22.3	273.1	0.78	9.60
25.0-26.0	493.8	23.3	296.4	0.82	10.42
26.0-27.0	496.7	24.3	320.7	0.85	11.27
27.0-28.0	499.3	25.3	346.0	0.89	12.16
28.0-29.0	501.7	26.3	372.2	0.92	13.08
29.0-30.0	504.5	27.2	399.5	0.96	14.04
30.0-31.0	507.0	28.2	427.7	0.99	15.03
31.0-32.0	508.9	29.2	456.8	1.02	16.05
32.0-33.0	510.7	30.1	486.9	1.06	17.11
33.0-34.0	512.7	31.0	518.0	1.09	18.20
34.0-35.0	514.1	31.9	549.9	1.12	19.32
35.0-36.0	515.7	32.8	582.7	1.15	20.48

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	517.4	33.8	616.5	1.19	21.66
37.0-38.0	518.3	34.6	651.1	1.22	22.88
38.0-39.0	518.5	35.4	686.5	1.24	24.12
39.0-40.0	518.9	36.2	722.7	1.27	25.40
40.0-41.0	519.3	37.0	759.7	1.30	26.69
41.0-42.0	519.3	37.7	797.4	1.33	28.02
42.0-43.0	519.0	38.5	835.8	1.35	29.37
43.0-44.0	518.2	39.1	875.0	1.37	30.75
44.0-45.0	517.2	39.7	914.7	1.40	32.14
45.0-46.0	516.2	40.4	955.1	1.42	33.56
46.0-47.0	515.0	41.0	996.1	1.44	35.00
47.0-48.0	513.4	41.5	1037.6	1.46	36.46
48.0-49.0	511.7	42.0	1079.6	1.48	37.94
49.0-50.0	509.9	42.5	1122.1	1.49	39.43
50.0-51.0	507.7	43.0	1165.1	1.51	40.94
51.0-52.0	505.5	43.4	1208.5	1.52	42.47
52.0-53.0	503.3	43.8	1252.2	1.54	44.00
53.0-54.0	500.2	44.1	1296.3	1.55	45.55
54.0-55.0	496.5	44.3	1340.7	1.56	47.11
55.0-56.0	492.4	44.5	1385.2	1.56	48.68
56.0-57.0	487.8	44.6	1429.8	1.57	50.24
57.0-58.0	483.1	44.7	1474.4	1.57	51.81
58.0-59.0	478.4	44.7	1519.2	1.57	53.38
59.0-60.0	474.6	44.8	1564.0	1.58	54.96
60.0-61.0	472.9	45.1	1609.1	1.59	56.55
61.0-62.0	472.1	45.5	1654.6	1.60	58.15
62.0-63.0	472.1	45.9	1700.6	1.61	59.76
63.0-64.0	473.5	46.5	1747.0	1.63	61.39
64.0-65.0	476.4	47.2	1794.2	1.66	63.05
65.0-66.0	479.1	47.8	1842.0	1.68	64.73
66.0-67.0	480.2	48.3	1890.3	1.70	66.43
67.0-68.0	477.6	48.4	1938.7	1.70	68.13
68.0-69.0	469.2	47.9	1986.5	1.68	69.81
69.0-70.0	454.4	46.7	2033.2	1.64	71.45
70.0-71.0	434.6	44.9	2078.1	1.58	73.03
71.0-72.0	411.6	42.8	2120.9	1.50	74.53

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	387.8	40.6	2161.5	1.43	75.96
73.0-74.0	365.7	38.4	2200.0	1.35	77.31
74.0-75.0	346.5	36.6	2236.6	1.29	78.59
75.0-76.0	329.1	34.9	2271.5	1.23	79.82
76.0-77.0	312.1	33.3	2304.8	1.17	80.99
77.0-78.0	295.3	31.6	2336.4	1.11	82.10
78.0-79.0	278.9	30.0	2366.4	1.05	83.16
79.0-80.0	262.5	28.3	2394.7	0.99	84.15
80.0-81.0	246.5	26.7	2421.3	0.94	85.09
81.0-82.0	230.9	25.0	2446.4	0.88	85.97
82.0-83.0	215.8	23.5	2469.8	0.82	86.79
83.0-84.0	201.0	21.9	2491.7	0.77	87.56
84.0-85.0	186.8	20.4	2512.1	0.72	88.28
85.0-86.0	173.9	19.0	2531.1	0.67	88.95
86.0-87.0	162.6	17.8	2548.9	0.63	89.57
87.0-88.0	152.9	16.8	2565.7	0.59	90.16
88.0-89.0	144.1	15.8	2581.5	0.55	90.71
89.0-90.0	135.9	14.9	2596.4	0.52	91.24
90.0-91.0	128.4	14.1	2610.5	0.49	91.73
91.0-92.0	121.4	13.3	2623.8	0.47	92.20
92.0-93.0	115.0	12.6	2636.4	0.44	92.64
93.0-94.0	109.0	11.9	2648.3	0.42	93.06
94.0-95.0	103.3	11.3	2659.6	0.40	93.46
95.0-96.0	97.9	10.7	2670.3	0.38	93.84
96.0-97.0	92.7	10.1	2680.4	0.36	94.19
97.0-98.0	87.9	9.6	2689.9	0.34	94.53
98.0-99.0	83.2	9.0	2699.0	0.32	94.84
99.0-100.0	78.9	8.5	2707.5	0.30	95.14
100.0-101.0	75.0	8.1	2715.6	0.28	95.43
101.0-102.0	71.2	7.7	2723.2	0.27	95.70
102.0-103.0	67.7	7.3	2730.5	0.25	95.95
103.0-104.0	64.5	6.9	2737.4	0.24	96.19
104.0-105.0	61.5	6.5	2743.9	0.23	96.42
105.0-106.0	58.7	6.2	2750.1	0.22	96.64
106.0-107.0	56.1	5.9	2756.0	0.21	96.85
107.0-108.0	53.6	5.6	2761.6	0.20	97.04

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	51.2	5.3	2766.9	0.19	97.23
109.0-110.0	49.0	5.1	2772.0	0.18	97.41
110.0-111.0	46.8	4.8	2776.8	0.17	97.58
111.0-112.0	44.6	4.6	2781.4	0.16	97.74
112.0-113.0	42.3	4.3	2785.6	0.15	97.89
113.0-114.0	40.0	4.0	2789.7	0.14	98.03
114.0-115.0	37.8	3.8	2793.4	0.13	98.16
115.0-116.0	36.0	3.6	2797.0	0.13	98.29
116.0-117.0	34.3	3.4	2800.4	0.12	98.41
117.0-118.0	32.7	3.2	2803.6	0.11	98.52
118.0-119.0	31.2	3.0	2806.6	0.11	98.62
119.0-120.0	29.7	2.8	2809.4	0.10	98.72
120.0-121.0	28.2	2.7	2812.1	0.09	98.82
121.0-122.0	26.8	2.5	2814.6	0.09	98.91
122.0-123.0	25.4	2.4	2816.9	0.08	98.99
123.0-124.0	24.1	2.2	2819.1	0.08	99.07
124.0-125.0	22.8	2.1	2821.2	0.07	99.14
125.0-126.0	21.6	1.9	2823.1	0.07	99.21
126.0-127.0	20.3	1.8	2824.9	0.06	99.27
127.0-128.0	19.0	1.7	2826.5	0.06	99.33
128.0-129.0	17.8	1.5	2828.1	0.05	99.38
129.0-130.0	16.6	1.4	2829.5	0.05	99.43
130.0-131.0	15.5	1.3	2830.8	0.05	99.47
131.0-132.0	14.5	1.2	2832.0	0.04	99.52
132.0-133.0	13.6	1.1	2833.1	0.04	99.56
133.0-134.0	12.6	1.0	2834.1	0.04	99.59
134.0-135.0	11.7	0.9	2835.0	0.03	99.62
135.0-136.0	10.8	0.8	2835.8	0.03	99.65
136.0-137.0	10.0	0.8	2836.6	0.03	99.68
137.0-138.0	9.2	0.7	2837.2	0.02	99.70
138.0-139.0	8.6	0.6	2837.9	0.02	99.72
139.0-140.0	8.0	0.6	2838.4	0.02	99.74
140.0-141.0	7.5	0.5	2839.0	0.02	99.76
141.0-142.0	7.0	0.5	2839.4	0.02	99.78
142.0-143.0	6.6	0.4	2839.9	0.02	99.80
143.0-144.0	6.3	0.4	2840.3	0.01	99.81

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	6.0	0.4	2840.7	0.01	99.82
145.0-146.0	5.8	0.4	2841.0	0.01	99.84
146.0-147.0	5.6	0.3	2841.4	0.01	99.85
147.0-148.0	5.4	0.3	2841.7	0.01	99.86
148.0-149.0	5.3	0.3	2842.0	0.01	99.87
149.0-150.0	5.2	0.3	2842.3	0.01	99.88
150.0-151.0	5.0	0.3	2842.6	0.01	99.89
151.0-152.0	4.9	0.3	2842.8	0.01	99.90
152.0-153.0	4.8	0.2	2843.1	0.01	99.91
153.0-154.0	4.7	0.2	2843.3	0.01	99.91
154.0-155.0	4.6	0.2	2843.5	0.01	99.92
155.0-156.0	4.4	0.2	2843.7	0.01	99.93
156.0-157.0	4.3	0.2	2843.9	0.01	99.94
157.0-158.0	4.2	0.2	2844.1	0.01	99.94
158.0-159.0	4.1	0.2	2844.2	0.01	99.95
159.0-160.0	4.0	0.2	2844.4	0.01	99.95
160.0-161.0	3.9	0.1	2844.5	0.01	99.96
161.0-162.0	3.8	0.1	2844.7	0.00	99.96
162.0-163.0	3.7	0.1	2844.8	0.00	99.97
163.0-164.0	3.6	0.1	2844.9	0.00	99.97
164.0-165.0	3.6	0.1	2845.0	0.00	99.98
165.0-166.0	3.5	0.1	2845.1	0.00	99.98
166.0-167.0	3.4	0.1	2845.2	0.00	99.98
167.0-168.0	3.4	0.1	2845.3	0.00	99.98
168.0-169.0	3.4	0.1	2845.3	0.00	99.99
169.0-170.0	3.3	0.1	2845.4	0.00	99.99
170.0-171.0	3.2	0.1	2845.5	0.00	99.99
171.0-172.0	3.2	0.1	2845.5	0.00	99.99
172.0-173.0	3.1	0.0	2845.6	0.00	99.99
173.0-174.0	3.1	0.0	2845.6	0.00	100.00
174.0-175.0	3.1	0.0	2845.6	0.00	100.00
175.0-176.0	3.1	0.0	2845.7	0.00	100.00
176.0-177.0	3.0	0.0	2845.7	0.00	100.00
177.0-178.0	3.1	0.0	2845.7	0.00	100.00
178.0-179.0	3.2	0.0	2845.7	0.00	100.00
179.0-180.0	3.2	0.0	2845.7	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°): 914.71 lm

%lum = 32.1%

%lamp = 32.1%

cone flux(120°): 1564.02 lm

%lum = 55.0%

%lamp = 55.0%

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