

Report No.:

Test Time: 2024/3/21

Luminaire Property

Luminaire Manufacturer:

Luminaire Category:

Luminaire Description: 211-01-26W-27V-3CCT-D(80%)

Lamp Catalog:

Lamp Description:

Lumens per Lamp:

Luminous Width (mm):

Voltage: 120.8 V

Power: 19.42 W

Number of Lamps:

Luminous Length (mm):

Luminous Height (mm):

Current: 0.162 A

Power Factor: 0.992

Photometric Results

IES Classification: Type IV

Total Rated Lamp Lumens: 2355.8 lm

Efficiency: 100%

Upward Ratio: 9%

C0r0 Intensity: 405.31 cd

Pos of Max. Intensity: H60 V39

Longitudinal Classification: Very Short

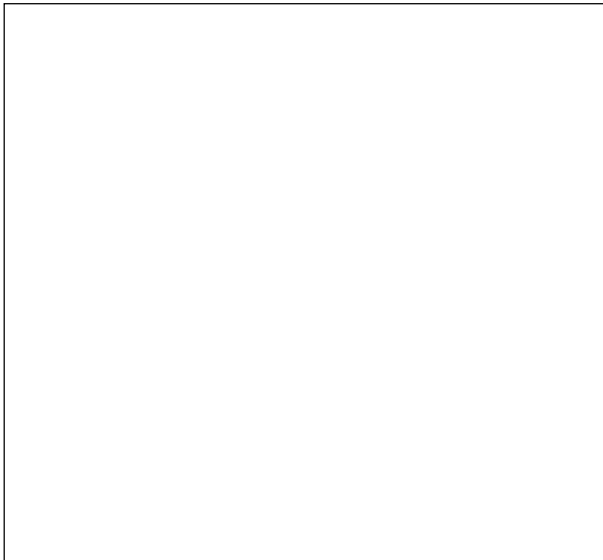
Measurement Flux: 2355.8 lm

Downward Ratio: 91%

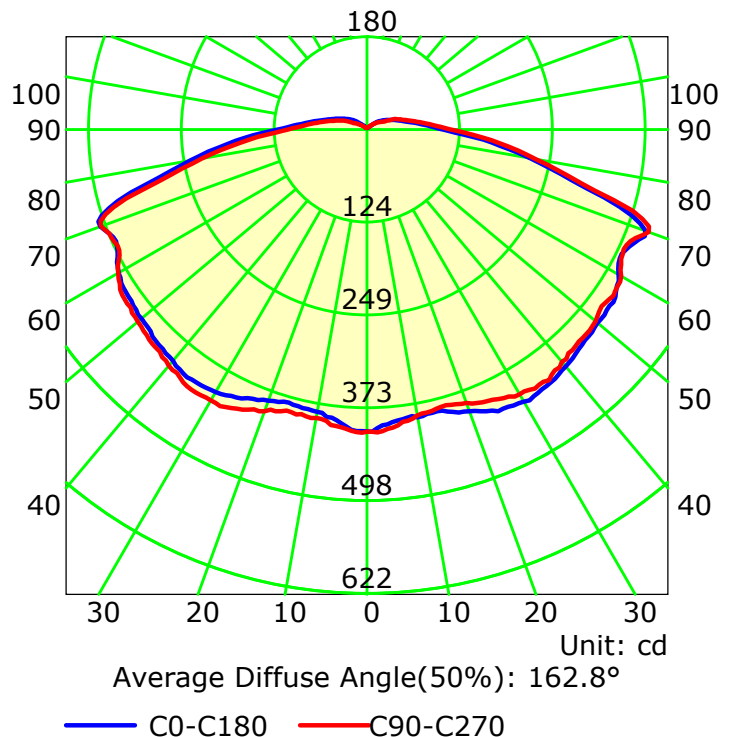
Luminaire Efficacy Rating (LER): 121.36

Max. Intensity: 434.28 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

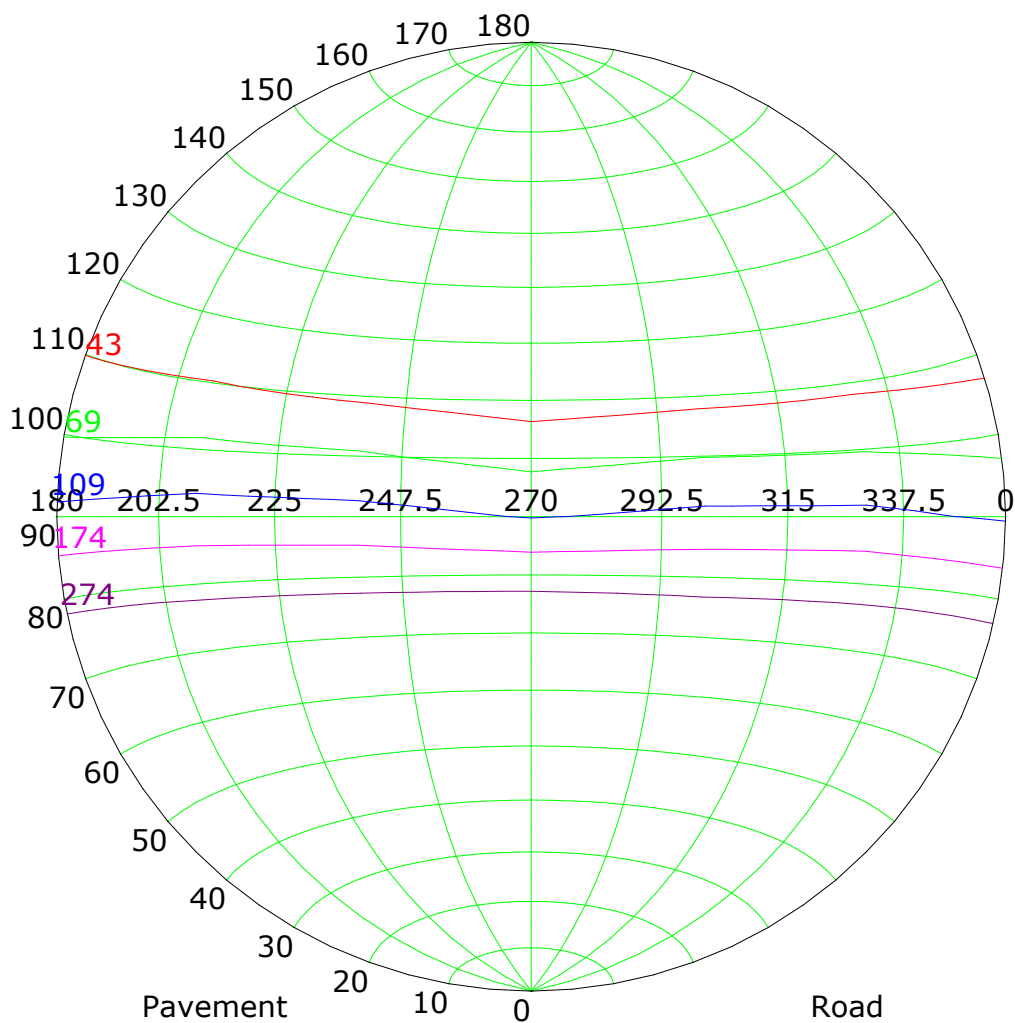
Test Device: GPM-1800B

Distance: 11.655 m [K=1.0000]

Humidity:

Inspector:

Isocandela (sphere)



Imax (100%): 434 cd

(10%):	43 cd	(16%):	69 cd
(25%):	109 cd	(40%):	174 cd
(63%):	274 cd	(100%):	434 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

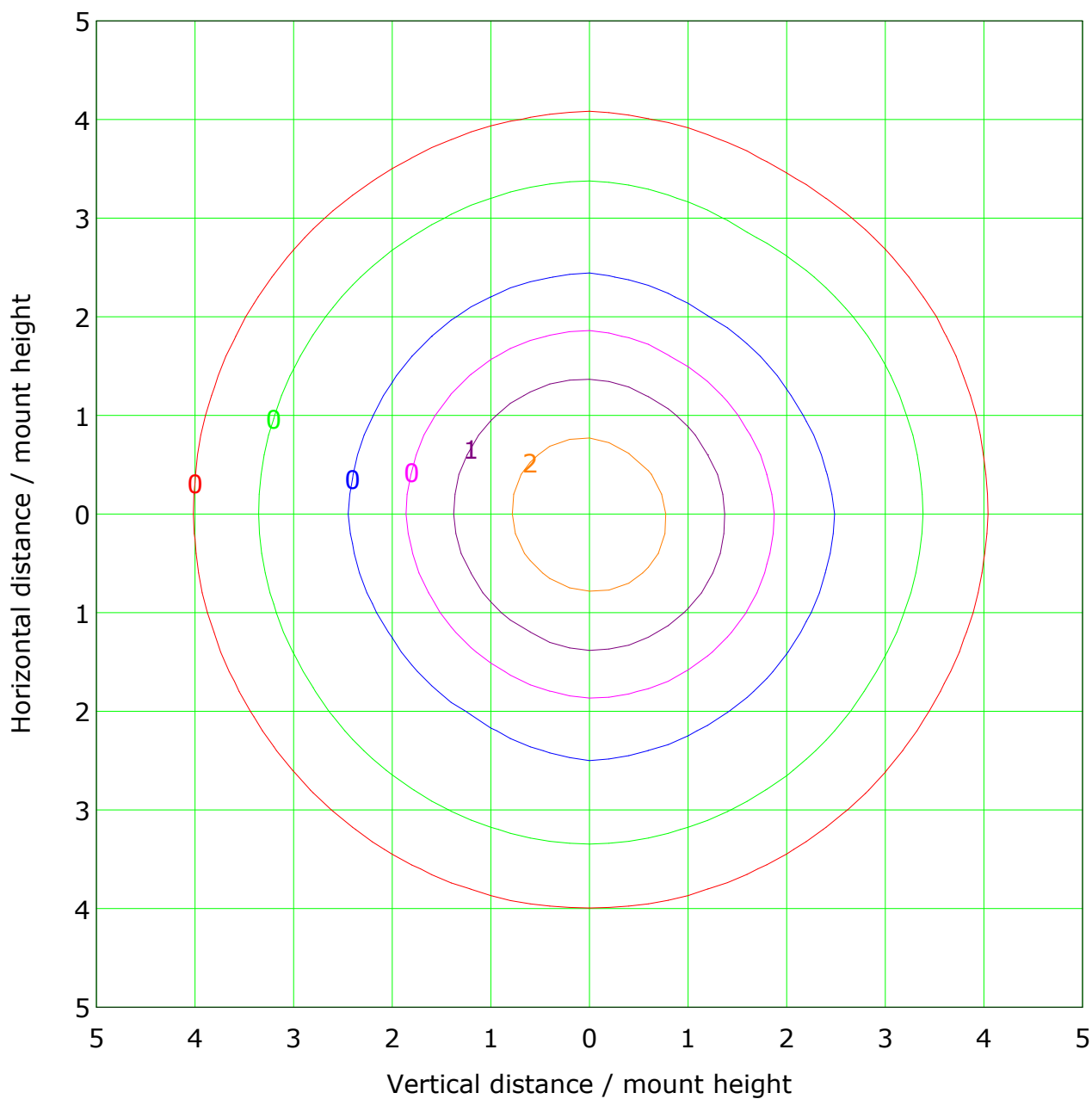
Test Device: GPM-1800B

Distance: 11.655 m [K=1.0000]

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 4.1 lx

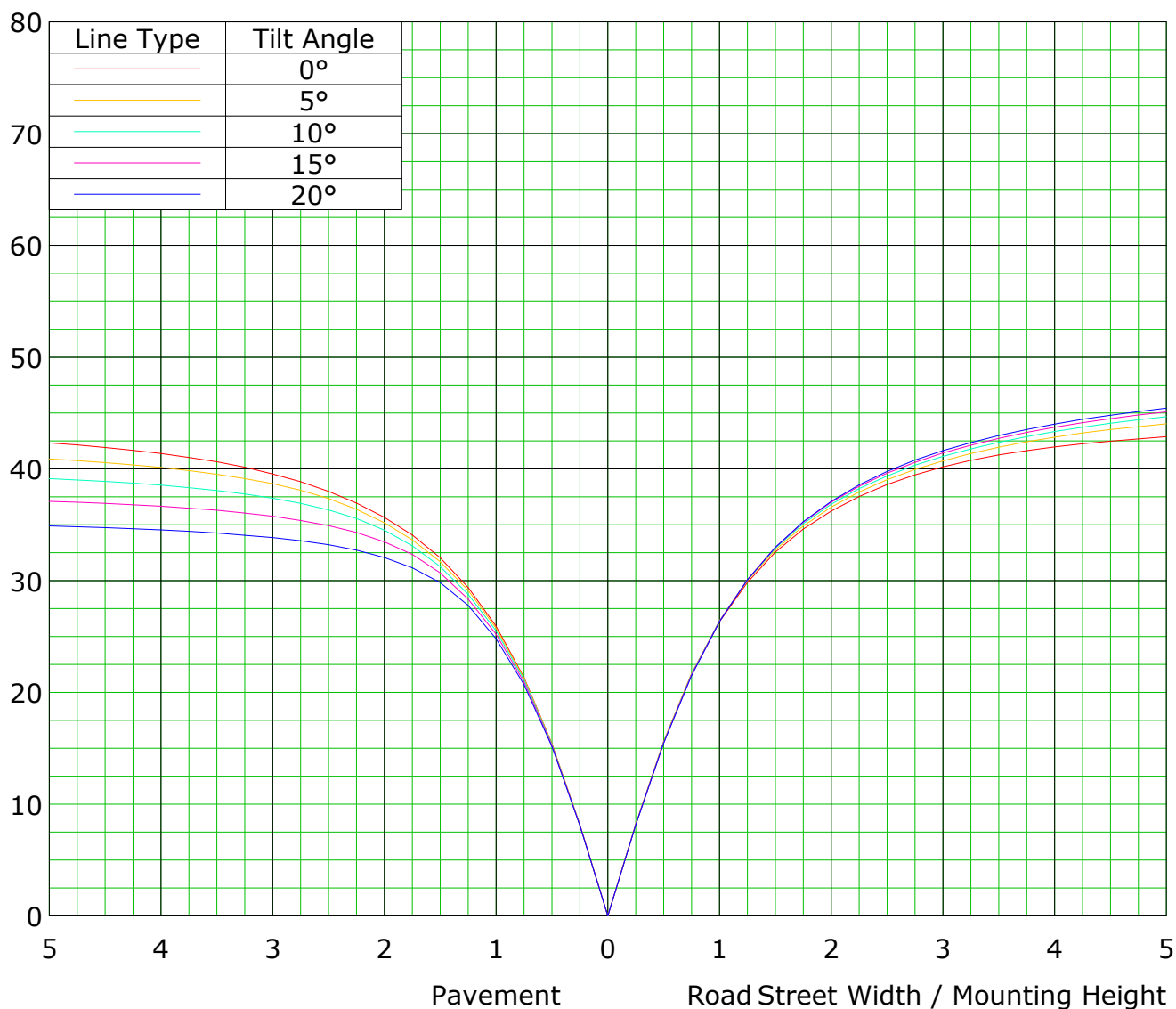
(1%): 0.0 lx	(2%): 0.1 lx
(5%): 0.2 lx	(10%): 0.4 lx
(20%): 0.8 lx	(50%): 2.0 lx
(100%): 4.1 lx	

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	1075	45.6
	FL (0°-30°)	171	7.3
	FM (30°-60°)	466	19.8
	FH (60°-80°)	346	14.7
	FVH (80°-90°)	91	3.9
	BACK LIGHT	1066	45.3
	BL (0°-30°)	167	7.1
	BM (30°-60°)	458	19.4
	BH (60°-80°)	345	14.6
	BVH (80°-90°)	97	4.1
	UP LIGHT	215	9.1
	UL (90°-100°)	100	4.2
	UH (100°-180°)	115	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	405.7	0.4	0.4	0.02	0.02
1.0-2.0	405.2	1.2	1.6	0.05	0.07
2.0-3.0	404.0	1.9	3.5	0.08	0.15
3.0-4.0	402.4	2.7	6.2	0.11	0.26
4.0-5.0	400.6	3.4	9.6	0.15	0.41
5.0-6.0	398.5	4.2	13.8	0.18	0.59
6.0-7.0	396.5	4.9	18.7	0.21	0.80
7.0-8.0	395.0	5.7	24.4	0.24	1.04
8.0-9.0	393.6	6.4	30.8	0.27	1.31
9.0-10.0	392.4	7.1	37.9	0.30	1.61
10.0-11.0	391.9	7.8	45.7	0.33	1.94
11.0-12.0	392.2	8.6	54.3	0.36	2.30
12.0-13.0	392.8	9.3	63.6	0.40	2.70
13.0-14.0	393.8	10.1	73.7	0.43	3.13
14.0-15.0	395.1	10.8	84.5	0.46	3.59
15.0-16.0	396.0	11.6	96.1	0.49	4.08
16.0-17.0	396.7	12.4	108.5	0.52	4.61
17.0-18.0	397.8	13.1	121.6	0.56	5.16
18.0-19.0	398.6	13.9	135.5	0.59	5.75
19.0-20.0	399.4	14.6	150.1	0.62	6.37
20.0-21.0	401.0	15.4	165.5	0.65	7.03
21.0-22.0	402.6	16.2	181.7	0.69	7.71
22.0-23.0	403.8	16.9	198.6	0.72	8.43
23.0-24.0	405.2	17.7	216.3	0.75	9.18
24.0-25.0	406.6	18.5	234.8	0.78	9.97
25.0-26.0	407.9	19.3	254.1	0.82	10.79
26.0-27.0	408.7	20.0	274.1	0.85	11.63
27.0-28.0	409.7	20.7	294.8	0.88	12.52
28.0-29.0	410.9	21.5	316.3	0.91	13.43
29.0-30.0	412.0	22.2	338.6	0.94	14.37
30.0-31.0	412.4	23.0	361.5	0.97	15.35
31.0-32.0	412.9	23.7	385.2	1.00	16.35
32.0-33.0	413.7	24.4	409.6	1.03	17.39
33.0-34.0	414.0	25.1	434.6	1.06	18.45
34.0-35.0	414.1	25.7	460.4	1.09	19.54
35.0-36.0	414.6	26.4	486.8	1.12	20.66

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	414.5	27.0	513.8	1.15	21.81
37.0-38.0	413.8	27.6	541.4	1.17	22.98
38.0-39.0	413.3	28.2	569.6	1.20	24.18
39.0-40.0	412.7	28.8	598.4	1.22	25.40
40.0-41.0	411.8	29.3	627.8	1.25	26.65
41.0-42.0	411.0	29.9	657.6	1.27	27.92
42.0-43.0	409.8	30.4	688.0	1.29	29.20
43.0-44.0	408.6	30.8	718.8	1.31	30.51
44.0-45.0	407.5	31.3	750.1	1.33	31.84
45.0-46.0	406.0	31.8	781.9	1.35	33.19
46.0-47.0	404.7	32.2	814.1	1.37	34.56
47.0-48.0	403.6	32.6	846.7	1.39	35.94
48.0-49.0	402.2	33.0	879.8	1.40	37.34
49.0-50.0	400.5	33.4	913.2	1.42	38.76
50.0-51.0	398.7	33.7	946.9	1.43	40.19
51.0-52.0	397.0	34.1	981.0	1.45	41.64
52.0-53.0	395.0	34.4	1015.3	1.46	43.10
53.0-54.0	392.6	34.6	1049.9	1.47	44.57
54.0-55.0	390.7	34.9	1084.8	1.48	46.05
55.0-56.0	388.9	35.1	1120.0	1.49	47.54
56.0-57.0	386.6	35.4	1155.3	1.50	49.04
57.0-58.0	384.0	35.5	1190.8	1.51	50.55
58.0-59.0	381.7	35.7	1226.5	1.51	52.06
59.0-60.0	379.6	35.9	1262.4	1.52	53.59
60.0-61.0	377.6	36.0	1298.4	1.53	55.12
61.0-62.0	375.3	36.2	1334.6	1.54	56.65
62.0-63.0	372.8	36.3	1370.9	1.54	58.19
63.0-64.0	369.8	36.3	1407.2	1.54	59.73
64.0-65.0	366.9	36.3	1443.5	1.54	61.27
65.0-66.0	364.7	36.4	1479.9	1.54	62.82
66.0-67.0	363.6	36.6	1516.4	1.55	64.37
67.0-68.0	364.0	36.9	1553.3	1.57	65.94
68.0-69.0	365.6	37.3	1590.6	1.58	67.52
69.0-70.0	367.9	37.8	1628.4	1.60	69.12
70.0-71.0	368.8	38.1	1666.5	1.62	70.74
71.0-72.0	365.3	38.0	1704.5	1.61	72.35

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	355.8	37.2	1741.7	1.58	73.93
73.0-74.0	340.3	35.8	1777.5	1.52	75.45
74.0-75.0	319.9	33.8	1811.3	1.43	76.89
75.0-76.0	297.9	31.6	1842.9	1.34	78.23
76.0-77.0	278.9	29.7	1872.7	1.26	79.49
77.0-78.0	263.6	28.2	1900.9	1.20	80.69
78.0-79.0	249.6	26.8	1927.7	1.14	81.83
79.0-80.0	236.5	25.5	1953.2	1.08	82.91
80.0-81.0	224.2	24.2	1977.5	1.03	83.94
81.0-82.0	211.9	23.0	2000.4	0.98	84.92
82.0-83.0	199.9	21.7	2022.2	0.92	85.84
83.0-84.0	188.4	20.5	2042.7	0.87	86.71
84.0-85.0	177.5	19.4	2062.1	0.82	87.53
85.0-86.0	166.4	18.2	2080.3	0.77	88.31
86.0-87.0	155.0	17.0	2097.2	0.72	89.03
87.0-88.0	143.6	15.7	2113.0	0.67	89.69
88.0-89.0	132.8	14.6	2127.5	0.62	90.31
89.0-90.0	123.6	13.5	2141.1	0.58	90.89
90.0-91.0	116.1	12.7	2153.8	0.54	91.43
91.0-92.0	109.5	12.0	2165.8	0.51	91.94
92.0-93.0	103.5	11.3	2177.1	0.48	92.42
93.0-94.0	98.0	10.7	2187.9	0.46	92.87
94.0-95.0	92.8	10.1	2198.0	0.43	93.30
95.0-96.0	87.9	9.6	2207.6	0.41	93.71
96.0-97.0	83.4	9.1	2216.7	0.39	94.10
97.0-98.0	79.1	8.6	2225.3	0.37	94.46
98.0-99.0	75.0	8.1	2233.4	0.35	94.81
99.0-100.0	71.2	7.7	2241.1	0.33	95.13
100.0-101.0	67.5	7.3	2248.4	0.31	95.44
101.0-102.0	64.0	6.9	2255.3	0.29	95.74
102.0-103.0	60.7	6.5	2261.8	0.28	96.01
103.0-104.0	57.6	6.1	2267.9	0.26	96.27
104.0-105.0	54.7	5.8	2273.7	0.25	96.52
105.0-106.0	52.0	5.5	2279.2	0.23	96.75
106.0-107.0	49.4	5.2	2284.4	0.22	96.97
107.0-108.0	47.0	4.9	2289.3	0.21	97.18

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	44.6	4.6	2294.0	0.20	97.38
109.0-110.0	42.4	4.4	2298.4	0.19	97.56
110.0-111.0	40.3	4.1	2302.5	0.18	97.74
111.0-112.0	38.1	3.9	2306.4	0.16	97.90
112.0-113.0	35.9	3.6	2310.0	0.15	98.06
113.0-114.0	33.7	3.4	2313.4	0.14	98.20
114.0-115.0	31.6	3.2	2316.6	0.13	98.34
115.0-116.0	29.7	2.9	2319.5	0.12	98.46
116.0-117.0	28.0	2.8	2322.3	0.12	98.58
117.0-118.0	26.4	2.6	2324.8	0.11	98.69
118.0-119.0	24.9	2.4	2327.2	0.10	98.79
119.0-120.0	23.5	2.2	2329.5	0.10	98.88
120.0-121.0	22.1	2.1	2331.6	0.09	98.97
121.0-122.0	20.8	1.9	2333.5	0.08	99.06
122.0-123.0	19.5	1.8	2335.3	0.08	99.13
123.0-124.0	18.2	1.7	2337.0	0.07	99.20
124.0-125.0	17.1	1.5	2338.5	0.07	99.27
125.0-126.0	16.0	1.4	2339.9	0.06	99.33
126.0-127.0	14.9	1.3	2341.3	0.06	99.38
127.0-128.0	13.9	1.2	2342.5	0.05	99.44
128.0-129.0	12.8	1.1	2343.6	0.05	99.48
129.0-130.0	11.8	1.0	2344.6	0.04	99.52
130.0-131.0	10.9	0.9	2345.5	0.04	99.56
131.0-132.0	10.0	0.8	2346.3	0.03	99.60
132.0-133.0	9.2	0.7	2347.0	0.03	99.63
133.0-134.0	8.5	0.7	2347.7	0.03	99.66
134.0-135.0	7.9	0.6	2348.3	0.03	99.68
135.0-136.0	7.3	0.6	2348.9	0.02	99.71
136.0-137.0	6.7	0.5	2349.4	0.02	99.73
137.0-138.0	6.2	0.5	2349.9	0.02	99.75
138.0-139.0	5.7	0.4	2350.3	0.02	99.77
139.0-140.0	5.3	0.4	2350.6	0.02	99.78
140.0-141.0	4.9	0.3	2351.0	0.01	99.80
141.0-142.0	4.6	0.3	2351.3	0.01	99.81
142.0-143.0	4.3	0.3	2351.6	0.01	99.82
143.0-144.0	4.1	0.3	2351.8	0.01	99.83

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	3.9	0.3	2352.1	0.01	99.84
145.0-146.0	3.8	0.2	2352.3	0.01	99.85
146.0-147.0	3.7	0.2	2352.6	0.01	99.86
147.0-148.0	3.6	0.2	2352.8	0.01	99.87
148.0-149.0	3.6	0.2	2353.0	0.01	99.88
149.0-150.0	3.5	0.2	2353.2	0.01	99.89
150.0-151.0	3.5	0.2	2353.4	0.01	99.90
151.0-152.0	3.4	0.2	2353.5	0.01	99.91
152.0-153.0	3.4	0.2	2353.7	0.01	99.91
153.0-154.0	3.3	0.2	2353.9	0.01	99.92
154.0-155.0	3.3	0.2	2354.0	0.01	99.93
155.0-156.0	3.2	0.1	2354.2	0.01	99.93
156.0-157.0	3.2	0.1	2354.3	0.01	99.94
157.0-158.0	3.1	0.1	2354.4	0.01	99.94
158.0-159.0	3.1	0.1	2354.6	0.01	99.95
159.0-160.0	3.0	0.1	2354.7	0.00	99.95
160.0-161.0	3.0	0.1	2354.8	0.00	99.96
161.0-162.0	3.0	0.1	2354.9	0.00	99.96
162.0-163.0	2.9	0.1	2355.0	0.00	99.97
163.0-164.0	2.9	0.1	2355.1	0.00	99.97
164.0-165.0	2.9	0.1	2355.2	0.00	99.97
165.0-166.0	2.9	0.1	2355.3	0.00	99.98
166.0-167.0	2.8	0.1	2355.3	0.00	99.98
167.0-168.0	2.8	0.1	2355.4	0.00	99.98
168.0-169.0	2.8	0.1	2355.4	0.00	99.99
169.0-170.0	2.7	0.1	2355.5	0.00	99.99
170.0-171.0	2.7	0.0	2355.6	0.00	99.99
171.0-172.0	2.7	0.0	2355.6	0.00	99.99
172.0-173.0	2.7	0.0	2355.6	0.00	99.99
173.0-174.0	2.7	0.0	2355.7	0.00	100.00
174.0-175.0	2.7	0.0	2355.7	0.00	100.00
175.0-176.0	2.7	0.0	2355.7	0.00	100.00
176.0-177.0	2.7	0.0	2355.7	0.00	100.00
177.0-178.0	2.7	0.0	2355.8	0.00	100.00
178.0-179.0	2.7	0.0	2355.8	0.00	100.00
179.0-180.0	2.7	0.0	2355.8	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°): 750.14 lm

%lum = 31.8%

%lamp = 31.8%

cone flux(120°): 1262.39 lm

%lum = 53.6%

%lamp = 53.6%

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