

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: 120.9 V

Power: 18.89 W

Number of Lamps:

Luminous Length (mm):

Luminous Height (mm):

Current: 0.158 A

Power Factor: 0.991

Photometric Results

IES Classification: Type IV

Total Rated Lamp Lumens: 2357.0 lm

Efficiency: 100%

Upward Ratio: 9%

C0r0 Intensity: 381.86 cd

Pos of Max. Intensity: H30 V39

Longitudinal Classification: Very Short

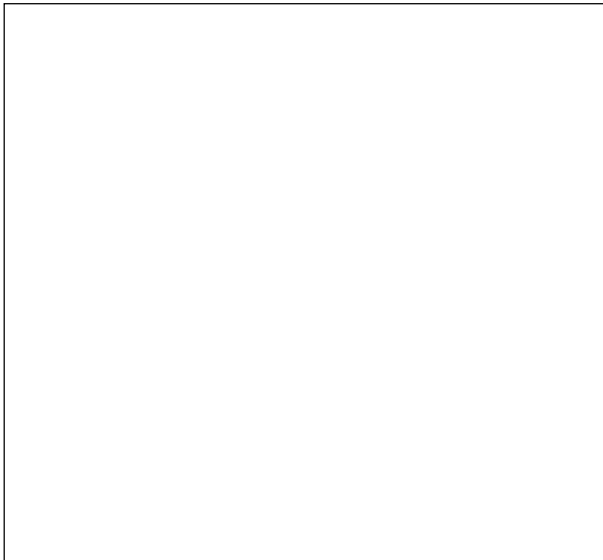
Measurement Flux: 2357 lm

Downward Ratio: 91%

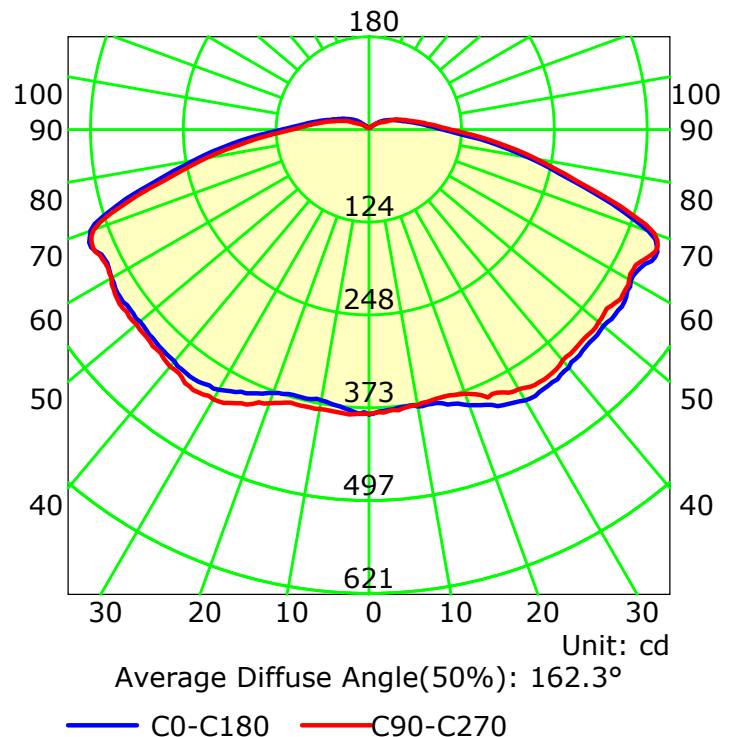
Luminaire Efficacy Rating (LER): 124.83

Max. Intensity: 433.56 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

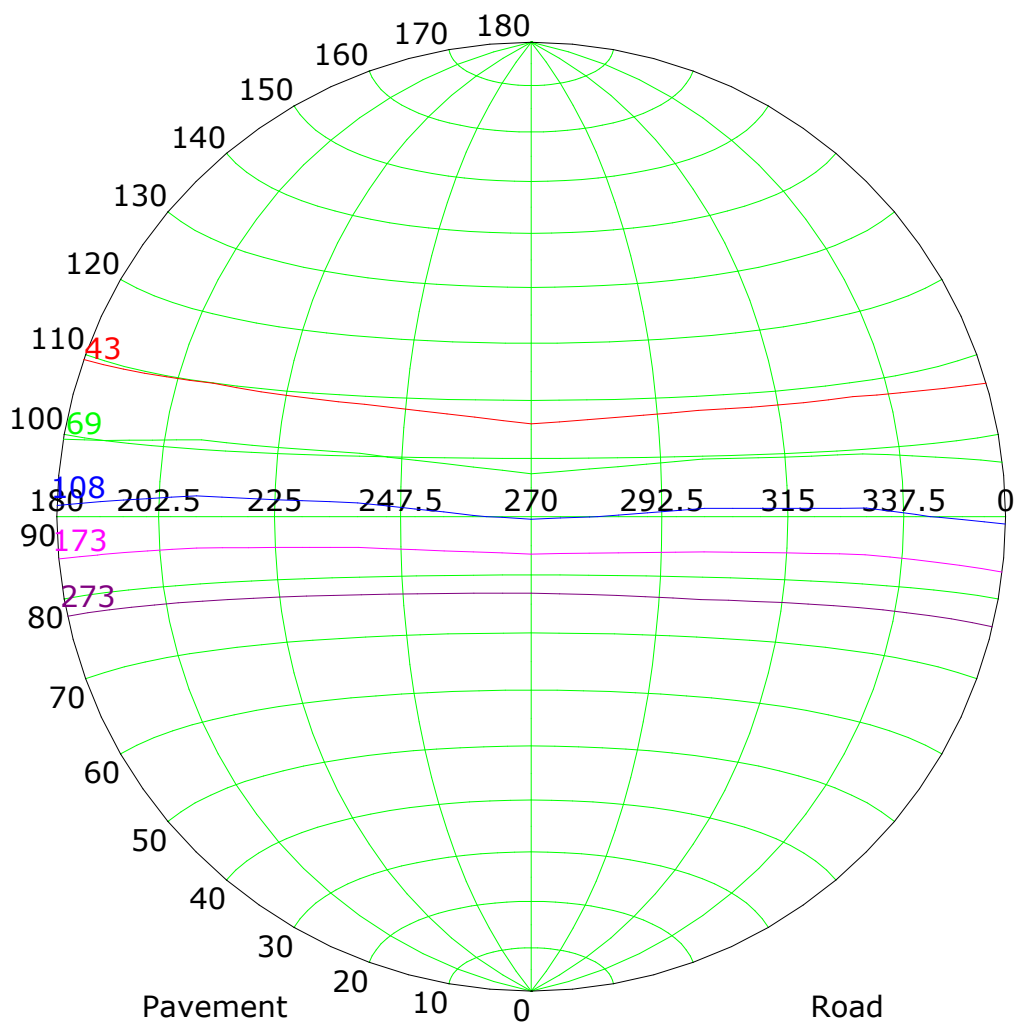
Test Device: GPM-1800B

Distance: 11.655 m [K=1.0000]

Humidity:

Inspector:

Isocandela (sphere)



Imax (100%): 434 cd

(10%):	43 cd	(16%):	69 cd
(25%):	108 cd	(40%):	173 cd
(63%):	273 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

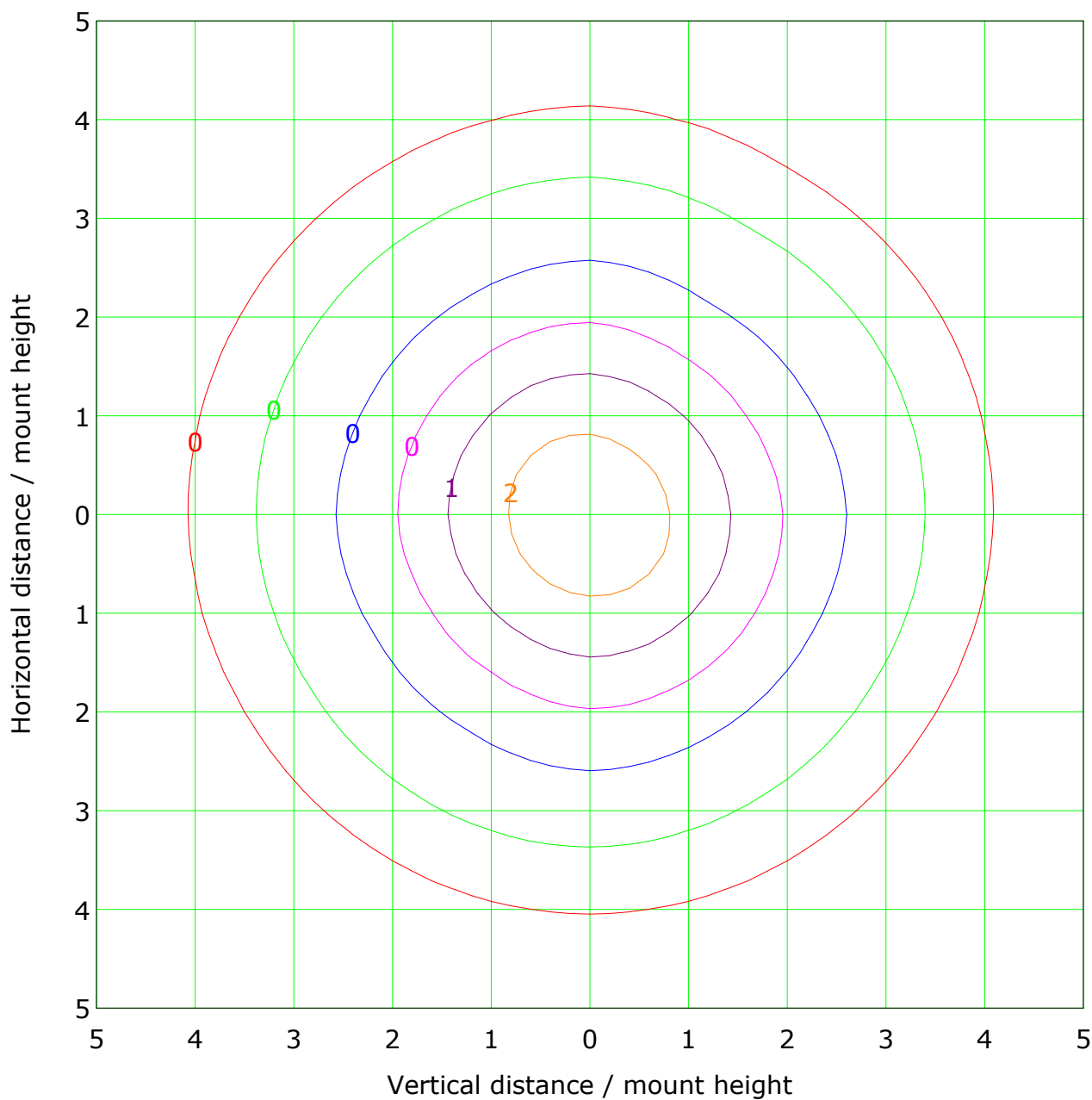
Test Device: GPM-1800B

Distance: 11.655 m [K=1.0000]

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 3.8 lx

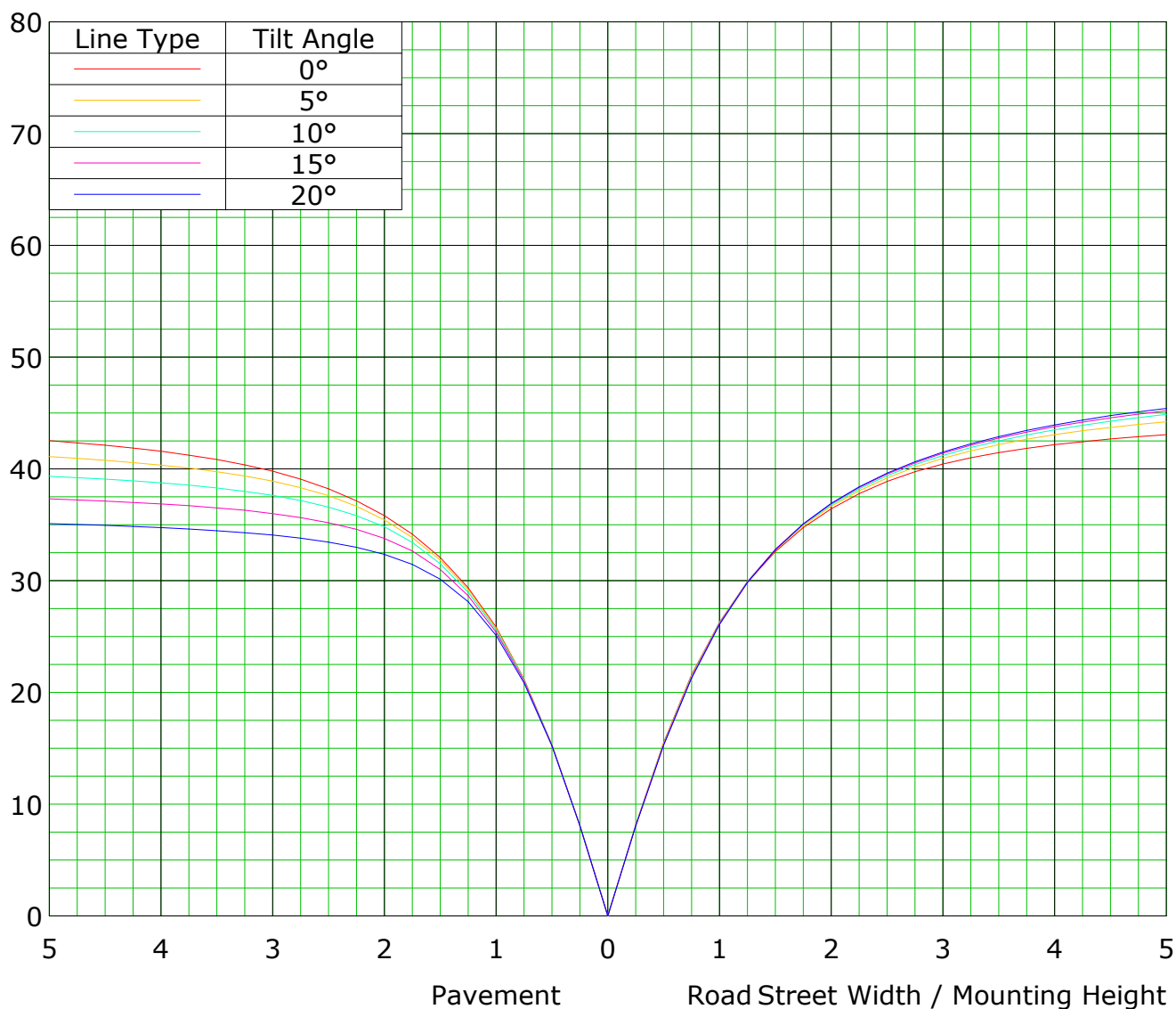
(1%): 0.0 lx	(2%): 0.1 lx
(5%): 0.2 lx	(10%): 0.4 lx
(20%): 0.8 lx	(50%): 1.9 lx
(100%): 3.8 lx	

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	1077	45.7
	FL (0°-30°)	167	7.1
	FM (30°-60°)	470	19.9
	FH (60°-80°)	353	15.0
	FVH (80°-90°)	89	3.8
	BACK LIGHT	1070	45.4
	BL (0°-30°)	163	6.9
	BM (30°-60°)	461	19.5
	BH (60°-80°)	352	14.9
	BVH (80°-90°)	94	4.0
	UP LIGHT	210	8.9
	UL (90°-100°)	98	4.1
	UH (100°-180°)	112	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 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	380.6	0.4	0.4	0.02	0.02
1.0-2.0	379.7	1.1	1.5	0.05	0.06
2.0-3.0	379.6	1.8	3.3	0.08	0.14
3.0-4.0	379.4	2.5	5.8	0.11	0.25
4.0-5.0	378.5	3.3	9.1	0.14	0.38
5.0-6.0	377.9	4.0	13.0	0.17	0.55
6.0-7.0	377.3	4.7	17.7	0.20	0.75
7.0-8.0	376.7	5.4	23.1	0.23	0.98
8.0-9.0	376.0	6.1	29.2	0.26	1.24
9.0-10.0	375.7	6.8	36.0	0.29	1.53
10.0-11.0	375.8	7.5	43.5	0.32	1.85
11.0-12.0	376.7	8.2	51.8	0.35	2.20
12.0-13.0	377.7	9.0	60.7	0.38	2.58
13.0-14.0	378.8	9.7	70.4	0.41	2.99
14.0-15.0	380.5	10.4	80.9	0.44	3.43
15.0-16.0	382.3	11.2	92.1	0.48	3.91
16.0-17.0	383.9	12.0	104.0	0.51	4.41
17.0-18.0	385.4	12.7	116.7	0.54	4.95
18.0-19.0	386.8	13.5	130.2	0.57	5.52
19.0-20.0	388.3	14.2	144.4	0.60	6.13
20.0-21.0	390.1	15.0	159.4	0.64	6.76
21.0-22.0	392.0	15.8	175.1	0.67	7.43
22.0-23.0	394.0	16.5	191.7	0.70	8.13
23.0-24.0	396.1	17.3	209.0	0.73	8.87
24.0-25.0	398.2	18.1	227.1	0.77	9.64
25.0-26.0	399.8	18.9	246.0	0.80	10.44
26.0-27.0	401.3	19.6	265.6	0.83	11.27
27.0-28.0	403.2	20.4	286.0	0.87	12.14
28.0-29.0	405.2	21.2	307.2	0.90	13.03
29.0-30.0	406.6	22.0	329.2	0.93	13.97
30.0-31.0	408.0	22.7	351.9	0.96	14.93
31.0-32.0	409.2	23.4	375.3	0.99	15.92
32.0-33.0	410.2	24.2	399.5	1.03	16.95
33.0-34.0	411.3	24.9	424.4	1.06	18.01
34.0-35.0	412.0	25.6	450.0	1.09	19.09
35.0-36.0	412.6	26.3	476.3	1.11	20.21

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 1)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	412.7	26.9	503.2	1.14	21.35
37.0-38.0	412.4	27.5	530.7	1.17	22.52
38.0-39.0	412.2	28.1	558.8	1.19	23.71
39.0-40.0	412.0	28.7	587.6	1.22	24.93
40.0-41.0	411.7	29.3	616.9	1.24	26.17
41.0-42.0	411.0	29.9	646.8	1.27	27.44
42.0-43.0	410.2	30.4	677.2	1.29	28.73
43.0-44.0	409.4	30.9	708.1	1.31	30.04
44.0-45.0	408.5	31.4	739.5	1.33	31.37
45.0-46.0	407.5	31.9	771.3	1.35	32.72
46.0-47.0	406.7	32.3	803.7	1.37	34.10
47.0-48.0	405.9	32.8	836.5	1.39	35.49
48.0-49.0	404.9	33.3	869.7	1.41	36.90
49.0-50.0	403.8	33.7	903.4	1.43	38.33
50.0-51.0	402.8	34.1	937.5	1.45	39.77
51.0-52.0	401.7	34.5	972.0	1.46	41.24
52.0-53.0	400.1	34.8	1006.8	1.48	42.71
53.0-54.0	398.7	35.1	1041.9	1.49	44.21
54.0-55.0	397.4	35.5	1077.4	1.51	45.71
55.0-56.0	396.2	35.8	1113.2	1.52	47.23
56.0-57.0	395.1	36.1	1149.3	1.53	48.76
57.0-58.0	393.6	36.4	1185.8	1.54	50.31
58.0-59.0	392.3	36.7	1222.4	1.56	51.86
59.0-60.0	391.0	36.9	1259.4	1.57	53.43
60.0-61.0	389.7	37.2	1296.6	1.58	55.01
61.0-62.0	388.3	37.4	1334.0	1.59	56.60
62.0-63.0	387.2	37.7	1371.7	1.60	58.20
63.0-64.0	387.0	38.0	1409.6	1.61	59.81
64.0-65.0	387.3	38.3	1448.0	1.63	61.43
65.0-66.0	388.4	38.8	1486.7	1.64	63.08
66.0-67.0	389.7	39.2	1525.9	1.66	64.74
67.0-68.0	389.9	39.5	1565.4	1.68	66.42
68.0-69.0	387.9	39.6	1605.0	1.68	68.09
69.0-70.0	383.4	39.4	1644.4	1.67	69.77
70.0-71.0	375.1	38.8	1683.1	1.65	71.41
71.0-72.0	362.1	37.7	1720.8	1.60	73.01

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	346.1	36.2	1757.0	1.54	74.54
73.0-74.0	328.9	34.6	1791.6	1.47	76.01
74.0-75.0	310.5	32.8	1824.4	1.39	77.40
75.0-76.0	291.6	31.0	1855.4	1.31	78.72
76.0-77.0	274.8	29.3	1884.7	1.24	79.96
77.0-78.0	260.1	27.9	1912.5	1.18	81.14
78.0-79.0	246.1	26.5	1939.0	1.12	82.26
79.0-80.0	232.9	25.1	1964.1	1.07	83.33
80.0-81.0	220.3	23.8	1987.9	1.01	84.34
81.0-82.0	207.7	22.5	2010.4	0.96	85.30
82.0-83.0	195.4	21.2	2031.7	0.90	86.20
83.0-84.0	183.7	20.0	2051.7	0.85	87.05
84.0-85.0	172.4	18.8	2070.5	0.80	87.84
85.0-86.0	161.2	17.6	2088.1	0.75	88.59
86.0-87.0	149.9	16.4	2104.5	0.70	89.29
87.0-88.0	138.8	15.2	2119.7	0.65	89.93
88.0-89.0	128.8	14.1	2133.9	0.60	90.53
89.0-90.0	120.3	13.2	2147.0	0.56	91.09
90.0-91.0	113.1	12.4	2159.4	0.53	91.62
91.0-92.0	106.8	11.7	2171.2	0.50	92.11
92.0-93.0	101.0	11.1	2182.2	0.47	92.58
93.0-94.0	95.7	10.5	2192.7	0.44	93.03
94.0-95.0	90.6	9.9	2202.6	0.42	93.45
95.0-96.0	85.9	9.4	2212.0	0.40	93.85
96.0-97.0	81.5	8.9	2220.8	0.38	94.22
97.0-98.0	77.3	8.4	2229.2	0.36	94.58
98.0-99.0	73.4	8.0	2237.2	0.34	94.92
99.0-100.0	69.7	7.5	2244.7	0.32	95.24
100.0-101.0	66.1	7.1	2251.9	0.30	95.54
101.0-102.0	62.7	6.7	2258.6	0.29	95.82
102.0-103.0	59.4	6.4	2265.0	0.27	96.09
103.0-104.0	56.4	6.0	2271.0	0.26	96.35
104.0-105.0	53.5	5.7	2276.7	0.24	96.59
105.0-106.0	50.8	5.4	2282.0	0.23	96.82
106.0-107.0	48.3	5.1	2287.1	0.22	97.03
107.0-108.0	45.9	4.8	2291.9	0.20	97.24

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	43.6	4.5	2296.4	0.19	97.43
109.0-110.0	41.4	4.3	2300.7	0.18	97.61
110.0-111.0	39.3	4.0	2304.8	0.17	97.78
111.0-112.0	37.3	3.8	2308.6	0.16	97.94
112.0-113.0	35.1	3.6	2312.1	0.15	98.10
113.0-114.0	33.0	3.3	2315.4	0.14	98.24
114.0-115.0	30.9	3.1	2318.5	0.13	98.37
115.0-116.0	29.1	2.9	2321.4	0.12	98.49
116.0-117.0	27.4	2.7	2324.1	0.11	98.60
117.0-118.0	25.9	2.5	2326.6	0.11	98.71
118.0-119.0	24.4	2.4	2329.0	0.10	98.81
119.0-120.0	23.0	2.2	2331.2	0.09	98.90
120.0-121.0	21.6	2.0	2333.2	0.09	98.99
121.0-122.0	20.3	1.9	2335.1	0.08	99.07
122.0-123.0	19.1	1.8	2336.9	0.07	99.15
123.0-124.0	17.9	1.6	2338.5	0.07	99.21
124.0-125.0	16.7	1.5	2340.0	0.06	99.28
125.0-126.0	15.7	1.4	2341.4	0.06	99.34
126.0-127.0	14.6	1.3	2342.7	0.05	99.39
127.0-128.0	13.6	1.2	2343.9	0.05	99.44
128.0-129.0	12.6	1.1	2345.0	0.05	99.49
129.0-130.0	11.6	1.0	2346.0	0.04	99.53
130.0-131.0	10.7	0.9	2346.8	0.04	99.57
131.0-132.0	9.8	0.8	2347.7	0.03	99.60
132.0-133.0	9.1	0.7	2348.4	0.03	99.63
133.0-134.0	8.4	0.7	2349.1	0.03	99.66
134.0-135.0	7.8	0.6	2349.7	0.03	99.69
135.0-136.0	7.2	0.6	2350.2	0.02	99.71
136.0-137.0	6.6	0.5	2350.7	0.02	99.73
137.0-138.0	6.1	0.5	2351.2	0.02	99.75
138.0-139.0	5.6	0.4	2351.6	0.02	99.77
139.0-140.0	5.2	0.4	2351.9	0.02	99.78
140.0-141.0	4.8	0.3	2352.3	0.01	99.80
141.0-142.0	4.5	0.3	2352.6	0.01	99.81
142.0-143.0	4.3	0.3	2352.9	0.01	99.82
143.0-144.0	4.1	0.3	2353.1	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 _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	3.9	0.2	2353.4	0.01	99.85
145.0-146.0	3.8	0.2	2353.6	0.01	99.86
146.0-147.0	3.7	0.2	2353.8	0.01	99.87
147.0-148.0	3.6	0.2	2354.1	0.01	99.87
148.0-149.0	3.5	0.2	2354.3	0.01	99.88
149.0-150.0	3.5	0.2	2354.5	0.01	99.89
150.0-151.0	3.4	0.2	2354.6	0.01	99.90
151.0-152.0	3.4	0.2	2354.8	0.01	99.91
152.0-153.0	3.3	0.2	2355.0	0.01	99.91
153.0-154.0	3.3	0.2	2355.1	0.01	99.92
154.0-155.0	3.2	0.2	2355.3	0.01	99.93
155.0-156.0	3.2	0.1	2355.4	0.01	99.93
156.0-157.0	3.1	0.1	2355.6	0.01	99.94
157.0-158.0	3.1	0.1	2355.7	0.01	99.94
158.0-159.0	3.0	0.1	2355.8	0.01	99.95
159.0-160.0	3.0	0.1	2355.9	0.00	99.95
160.0-161.0	3.0	0.1	2356.1	0.00	99.96
161.0-162.0	2.9	0.1	2356.2	0.00	99.96
162.0-163.0	2.9	0.1	2356.3	0.00	99.97
163.0-164.0	2.9	0.1	2356.3	0.00	99.97
164.0-165.0	2.8	0.1	2356.4	0.00	99.98
165.0-166.0	2.8	0.1	2356.5	0.00	99.98
166.0-167.0	2.8	0.1	2356.6	0.00	99.98
167.0-168.0	2.8	0.1	2356.6	0.00	99.98
168.0-169.0	2.7	0.1	2356.7	0.00	99.99
169.0-170.0	2.7	0.1	2356.8	0.00	99.99
170.0-171.0	2.7	0.0	2356.8	0.00	99.99
171.0-172.0	2.7	0.0	2356.8	0.00	99.99
172.0-173.0	2.7	0.0	2356.9	0.00	99.99
173.0-174.0	2.6	0.0	2356.9	0.00	100.00
174.0-175.0	2.6	0.0	2356.9	0.00	100.00
175.0-176.0	2.6	0.0	2357.0	0.00	100.00
176.0-177.0	2.7	0.0	2357.0	0.00	100.00
177.0-178.0	2.7	0.0	2357.0	0.00	100.00
178.0-179.0	2.7	0.0	2357.0	0.00	100.00
179.0-180.0	2.6	0.0	2357.0	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°): 739.46 lm

%lum = 31.4%

%lamp = 31.4%

cone flux(120°): 1259.38 lm

%lum = 53.4%

%lamp = 53.4%

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