

Report No.:

Test Time: 2024/3/21

Luminaire Property

Luminaire Manufacturer:

Luminaire Category:

Luminaire Description: 211-01-26W-27V-3CCT-D(60%)

Lamp Catalog:

Lamp Description:

Lumens per Lamp:

Luminous Width (mm):

Voltage: 120.9 V

Power: 14.40 W

Number of Lamps:

Luminous Length (mm):

Luminous Height (mm):

Current: 0.120 A

Power Factor: 0.990

Photometric Results

IES Classification: Type IV

Total Rated Lamp Lumens: 1810.5 lm

Efficiency: 100%

Upward Ratio: 9%

C0r0 Intensity: 292.89 cd

Pos of Max. Intensity: H60 V40

Longitudinal Classification: Very Short

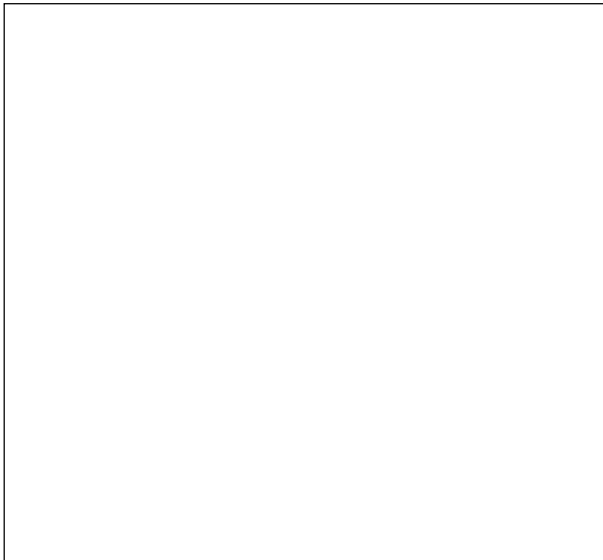
Measurement Flux: 1810.5 lm

Downward Ratio: 91%

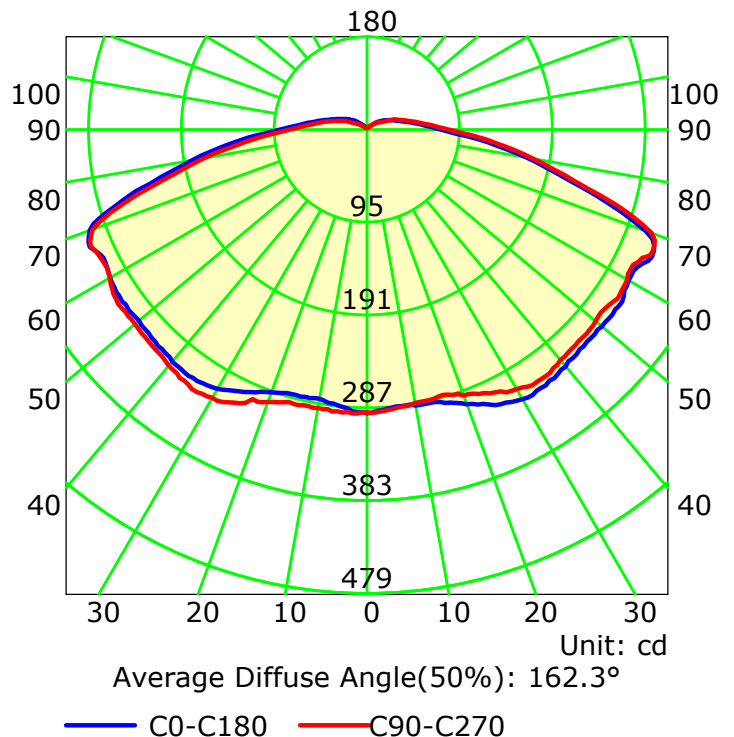
Luminaire Efficacy Rating (LER): 125.78

Max. Intensity: 333.21 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

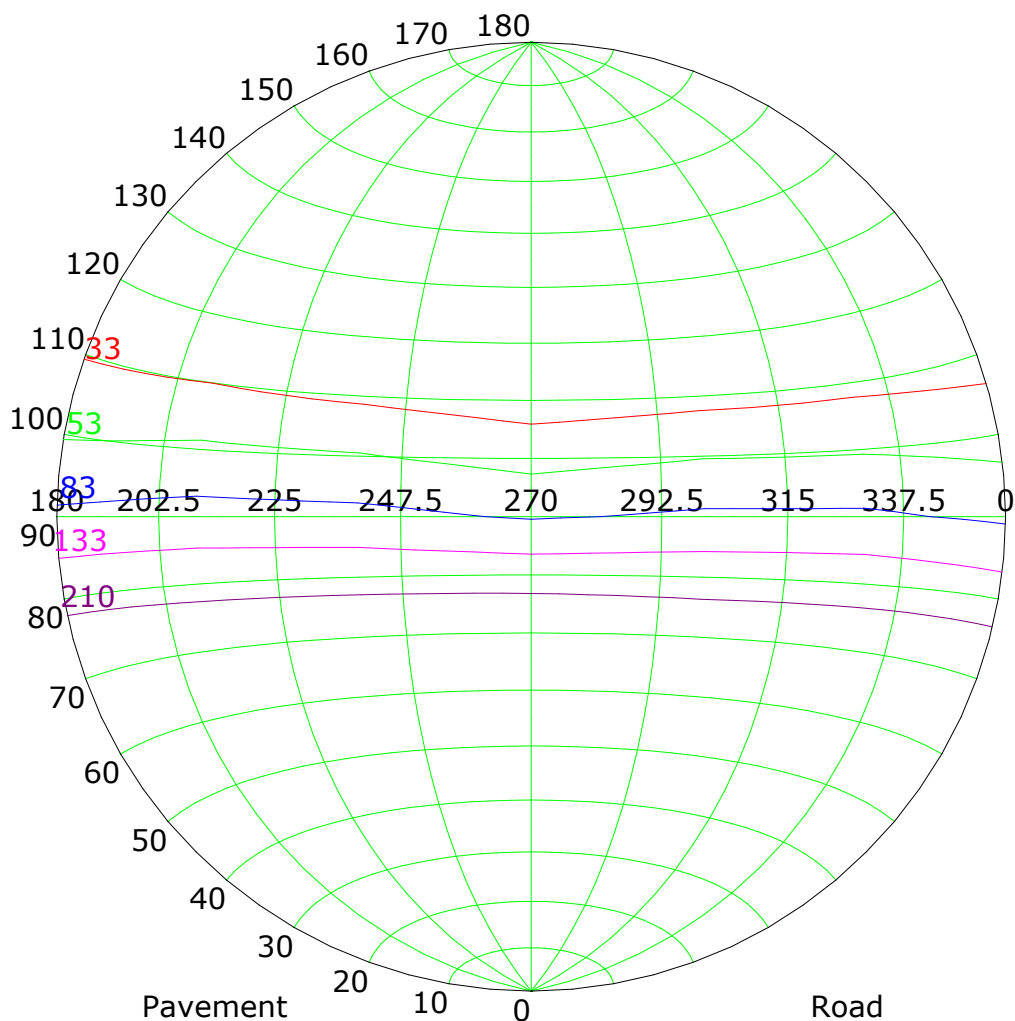
Test Device: GPM-1800B

Distance: 11.655 m [K=1.0000]

Humidity:

Inspector:

Isocandela (sphere)



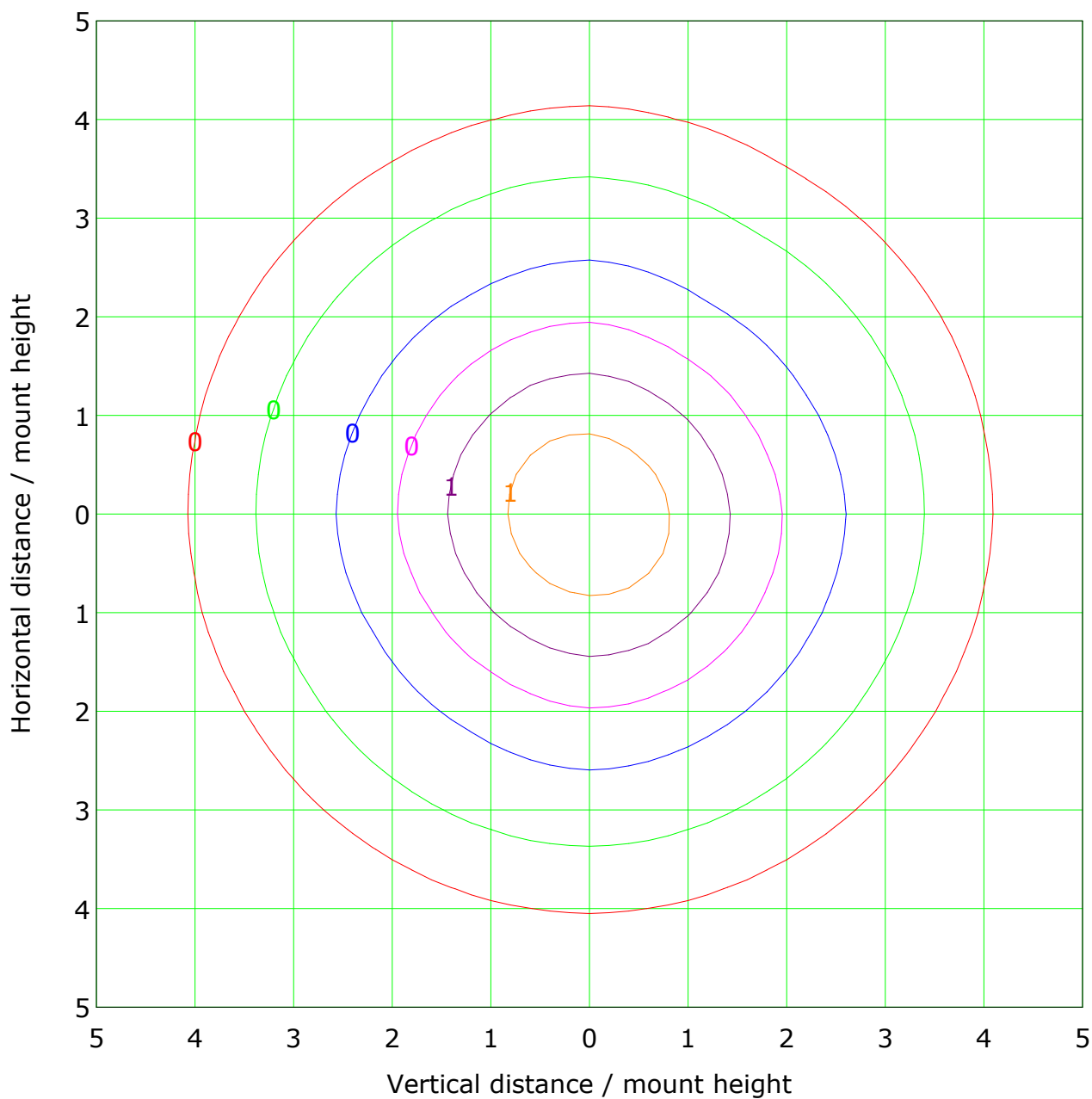
Imax (100%): 333 cd

(10%):	33 cd	(16%):	53 cd
(25%):	83 cd	(40%):	133 cd
(63%):	210 cd	(100%):	333 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%): 2.9 lx

(1%): 0.0 lx	(2%): 0.1 lx
(5%): 0.1 lx	(10%): 0.3 lx
(20%): 0.6 lx	(50%): 1.5 lx
(100%): 2.9 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

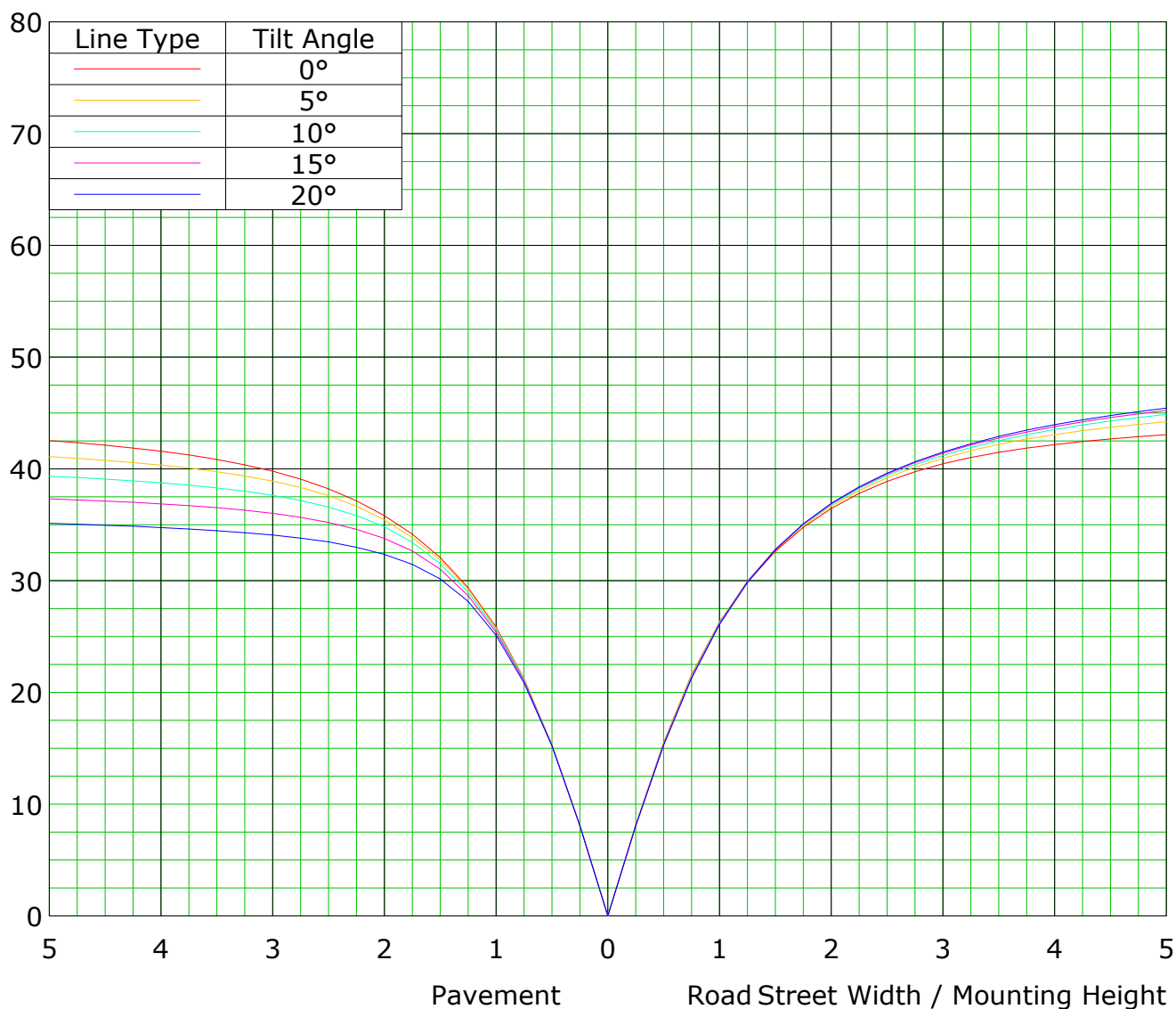
Distance: 11.655 m [K=1.0000]

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	828	45.7
	FL (0°-30°)	128	7.1
	FM (30°-60°)	361	19.9
	FH (60°-80°)	271	15.0
	FVH (80°-90°)	68	3.8
	BACK LIGHT	822	45.4
	BL (0°-30°)	125	6.9
	BM (30°-60°)	354	19.5
	BH (60°-80°)	270	14.9
	BVH (80°-90°)	73	4.0
	UP LIGHT	161	8.9
	UL (90°-100°)	75	4.1
	UH (100°-180°)	86	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	292.3	0.3	0.3	0.02	0.02
1.0-2.0	292.0	0.8	1.1	0.05	0.06
2.0-3.0	291.6	1.4	2.5	0.08	0.14
3.0-4.0	291.2	1.9	4.5	0.11	0.25
4.0-5.0	290.6	2.5	7.0	0.14	0.38
5.0-6.0	290.1	3.0	10.0	0.17	0.55
6.0-7.0	289.6	3.6	13.6	0.20	0.75
7.0-8.0	289.2	4.1	17.7	0.23	0.98
8.0-9.0	288.9	4.7	22.4	0.26	1.24
9.0-10.0	288.7	5.2	27.7	0.29	1.53
10.0-11.0	288.7	5.8	33.4	0.32	1.85
11.0-12.0	289.1	6.3	39.7	0.35	2.20
12.0-13.0	289.8	6.9	46.6	0.38	2.58
13.0-14.0	291.1	7.5	54.1	0.41	2.99
14.0-15.0	292.4	8.0	62.1	0.44	3.43
15.0-16.0	293.6	8.6	70.7	0.48	3.91
16.0-17.0	294.9	9.2	79.9	0.51	4.41
17.0-18.0	296.1	9.8	89.7	0.54	4.95
18.0-19.0	297.2	10.3	100.0	0.57	5.52
19.0-20.0	298.4	10.9	110.9	0.60	6.13
20.0-21.0	299.8	11.5	122.4	0.64	6.76
21.0-22.0	301.2	12.1	134.5	0.67	7.43
22.0-23.0	302.6	12.7	147.2	0.70	8.13
23.0-24.0	303.8	13.3	160.5	0.73	8.87
24.0-25.0	305.5	13.9	174.4	0.77	9.63
25.0-26.0	307.1	14.5	188.9	0.80	10.43
26.0-27.0	308.3	15.1	204.0	0.83	11.27
27.0-28.0	309.8	15.7	219.7	0.87	12.13
28.0-29.0	311.2	16.3	236.0	0.90	13.03
29.0-30.0	312.3	16.9	252.8	0.93	13.97
30.0-31.0	313.4	17.4	270.3	0.96	14.93
31.0-32.0	314.5	18.0	288.3	1.00	15.92
32.0-33.0	315.4	18.6	306.9	1.03	16.95
33.0-34.0	316.0	19.1	326.0	1.06	18.01
34.0-35.0	316.5	19.7	345.7	1.09	19.09
35.0-36.0	316.7	20.2	365.8	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 [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	316.8	20.7	386.5	1.14	21.35
37.0-38.0	316.9	21.2	407.7	1.17	22.52
38.0-39.0	316.8	21.6	429.3	1.19	23.71
39.0-40.0	316.6	22.1	451.4	1.22	24.93
40.0-41.0	316.2	22.5	473.9	1.24	26.18
41.0-42.0	315.6	22.9	496.8	1.27	27.44
42.0-43.0	315.1	23.3	520.2	1.29	28.73
43.0-44.0	314.5	23.7	543.9	1.31	30.04
44.0-45.0	313.8	24.1	568.0	1.33	31.38
45.0-46.0	313.0	24.5	592.5	1.35	32.73
46.0-47.0	312.6	24.9	617.4	1.37	34.10
47.0-48.0	312.1	25.2	642.6	1.39	35.49
48.0-49.0	311.2	25.6	668.2	1.41	36.91
49.0-50.0	310.4	25.9	694.1	1.43	38.34
50.0-51.0	309.3	26.2	720.2	1.45	39.78
51.0-52.0	308.4	26.5	746.7	1.46	41.24
52.0-53.0	307.5	26.8	773.4	1.48	42.72
53.0-54.0	306.4	27.0	800.5	1.49	44.21
54.0-55.0	305.3	27.3	827.7	1.51	45.72
55.0-56.0	304.5	27.5	855.2	1.52	47.24
56.0-57.0	303.5	27.8	883.0	1.53	48.77
57.0-58.0	302.4	28.0	911.0	1.54	50.32
58.0-59.0	301.4	28.2	939.1	1.56	51.87
59.0-60.0	300.6	28.4	967.5	1.57	53.44
60.0-61.0	299.5	28.6	996.1	1.58	55.02
61.0-62.0	298.5	28.8	1024.9	1.59	56.61
62.0-63.0	297.8	29.0	1053.9	1.60	58.21
63.0-64.0	297.4	29.2	1083.0	1.61	59.82
64.0-65.0	297.5	29.4	1112.5	1.63	61.45
65.0-66.0	298.4	29.8	1142.3	1.64	63.09
66.0-67.0	299.5	30.1	1172.4	1.66	64.76
67.0-68.0	299.7	30.4	1202.7	1.68	66.43
68.0-69.0	298.0	30.4	1233.1	1.68	68.11
69.0-70.0	294.4	30.2	1263.4	1.67	69.78
70.0-71.0	288.0	29.8	1293.2	1.64	71.43
71.0-72.0	278.2	28.9	1322.1	1.60	73.02

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	265.9	27.8	1349.9	1.54	74.56
73.0-74.0	252.6	26.6	1376.4	1.47	76.03
74.0-75.0	238.6	25.2	1401.7	1.39	77.42
75.0-76.0	224.1	23.8	1425.4	1.31	78.73
76.0-77.0	211.1	22.5	1448.0	1.24	79.98
77.0-78.0	199.7	21.4	1469.3	1.18	81.16
78.0-79.0	189.0	20.3	1489.7	1.12	82.28
79.0-80.0	179.0	19.3	1509.0	1.07	83.35
80.0-81.0	169.3	18.3	1527.3	1.01	84.36
81.0-82.0	159.7	17.3	1544.6	0.96	85.31
82.0-83.0	150.1	16.3	1560.9	0.90	86.22
83.0-84.0	141.1	15.4	1576.3	0.85	87.06
84.0-85.0	132.5	14.5	1590.7	0.80	87.86
85.0-86.0	123.8	13.5	1604.3	0.75	88.61
86.0-87.0	115.0	12.6	1616.9	0.70	89.31
87.0-88.0	106.5	11.7	1628.5	0.64	89.95
88.0-89.0	98.9	10.8	1639.4	0.60	90.55
89.0-90.0	92.4	10.1	1649.5	0.56	91.11
90.0-91.0	86.9	9.5	1659.0	0.53	91.63
91.0-92.0	82.0	9.0	1668.0	0.50	92.13
92.0-93.0	77.6	8.5	1676.5	0.47	92.60
93.0-94.0	73.4	8.0	1684.5	0.44	93.04
94.0-95.0	69.6	7.6	1692.2	0.42	93.46
95.0-96.0	65.9	7.2	1699.3	0.40	93.86
96.0-97.0	62.5	6.8	1706.2	0.38	94.24
97.0-98.0	59.3	6.5	1712.6	0.36	94.59
98.0-99.0	56.3	6.1	1718.7	0.34	94.93
99.0-100.0	53.4	5.8	1724.5	0.32	95.25
100.0-101.0	50.7	5.5	1730.0	0.30	95.55
101.0-102.0	48.1	5.2	1735.1	0.29	95.84
102.0-103.0	45.6	4.9	1740.0	0.27	96.11
103.0-104.0	43.3	4.6	1744.6	0.25	96.36
104.0-105.0	41.1	4.4	1749.0	0.24	96.60
105.0-106.0	39.0	4.1	1753.1	0.23	96.83
106.0-107.0	37.1	3.9	1757.0	0.22	97.05
107.0-108.0	35.2	3.7	1760.7	0.20	97.25

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	33.4	3.5	1764.2	0.19	97.44
109.0-110.0	31.8	3.3	1767.5	0.18	97.62
110.0-111.0	30.2	3.1	1770.6	0.17	97.80
111.0-112.0	28.6	2.9	1773.5	0.16	97.96
112.0-113.0	26.9	2.7	1776.2	0.15	98.11
113.0-114.0	25.3	2.5	1778.7	0.14	98.25
114.0-115.0	23.7	2.4	1781.1	0.13	98.38
115.0-116.0	22.3	2.2	1783.3	0.12	98.50
116.0-117.0	21.0	2.1	1785.4	0.11	98.61
117.0-118.0	19.8	1.9	1787.3	0.11	98.72
118.0-119.0	18.7	1.8	1789.1	0.10	98.82
119.0-120.0	17.6	1.7	1790.8	0.09	98.91
120.0-121.0	16.6	1.6	1792.3	0.09	99.00
121.0-122.0	15.6	1.5	1793.8	0.08	99.08
122.0-123.0	14.6	1.4	1795.2	0.07	99.15
123.0-124.0	13.7	1.3	1796.4	0.07	99.22
124.0-125.0	12.8	1.2	1797.6	0.06	99.29
125.0-126.0	12.0	1.1	1798.6	0.06	99.35
126.0-127.0	11.2	1.0	1799.6	0.05	99.40
127.0-128.0	10.4	0.9	1800.5	0.05	99.45
128.0-129.0	9.6	0.8	1801.4	0.05	99.50
129.0-130.0	8.9	0.8	1802.1	0.04	99.54
130.0-131.0	8.1	0.7	1802.8	0.04	99.58
131.0-132.0	7.5	0.6	1803.4	0.03	99.61
132.0-133.0	6.9	0.6	1804.0	0.03	99.64
133.0-134.0	6.4	0.5	1804.5	0.03	99.67
134.0-135.0	5.9	0.5	1804.9	0.03	99.69
135.0-136.0	5.5	0.4	1805.3	0.02	99.72
136.0-137.0	5.0	0.4	1805.7	0.02	99.74
137.0-138.0	4.6	0.3	1806.1	0.02	99.76
138.0-139.0	4.3	0.3	1806.4	0.02	99.77
139.0-140.0	3.9	0.3	1806.7	0.02	99.79
140.0-141.0	3.7	0.3	1806.9	0.01	99.80
141.0-142.0	3.4	0.2	1807.2	0.01	99.82
142.0-143.0	3.2	0.2	1807.4	0.01	99.83
143.0-144.0	3.1	0.2	1807.6	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	2.9	0.2	1807.8	0.01	99.85
145.0-146.0	2.8	0.2	1807.9	0.01	99.86
146.0-147.0	2.8	0.2	1808.1	0.01	99.87
147.0-148.0	2.7	0.2	1808.3	0.01	99.88
148.0-149.0	2.7	0.2	1808.4	0.01	99.89
149.0-150.0	2.6	0.1	1808.6	0.01	99.89
150.0-151.0	2.6	0.1	1808.7	0.01	99.90
151.0-152.0	2.6	0.1	1808.8	0.01	99.91
152.0-153.0	2.5	0.1	1809.0	0.01	99.92
153.0-154.0	2.5	0.1	1809.1	0.01	99.92
154.0-155.0	2.4	0.1	1809.2	0.01	99.93
155.0-156.0	2.4	0.1	1809.3	0.01	99.94
156.0-157.0	2.3	0.1	1809.4	0.01	99.94
157.0-158.0	2.3	0.1	1809.5	0.01	99.95
158.0-159.0	2.3	0.1	1809.6	0.01	99.95
159.0-160.0	2.2	0.1	1809.7	0.00	99.96
160.0-161.0	2.2	0.1	1809.8	0.00	99.96
161.0-162.0	2.2	0.1	1809.8	0.00	99.96
162.0-163.0	2.2	0.1	1809.9	0.00	99.97
163.0-164.0	2.2	0.1	1810.0	0.00	99.97
164.0-165.0	2.1	0.1	1810.0	0.00	99.98
165.0-166.0	2.1	0.1	1810.1	0.00	99.98
166.0-167.0	2.1	0.1	1810.1	0.00	99.98
167.0-168.0	2.1	0.0	1810.2	0.00	99.98
168.0-169.0	2.0	0.0	1810.2	0.00	99.99
169.0-170.0	2.0	0.0	1810.3	0.00	99.99
170.0-171.0	2.0	0.0	1810.3	0.00	99.99
171.0-172.0	2.0	0.0	1810.3	0.00	99.99
172.0-173.0	2.0	0.0	1810.4	0.00	99.99
173.0-174.0	2.0	0.0	1810.4	0.00	100.00
174.0-175.0	1.9	0.0	1810.4	0.00	100.00
175.0-176.0	2.0	0.0	1810.4	0.00	100.00
176.0-177.0	2.0	0.0	1810.5	0.00	100.00
177.0-178.0	2.0	0.0	1810.5	0.00	100.00
178.0-179.0	2.0	0.0	1810.5	0.00	100.00
179.0-180.0	2.0	0.0	1810.5	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°): 568.04 lm

%lum = 31.4%

%lamp = 31.4%

cone flux(120°): 967.55 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