

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: 0.207 A

Power Factor: 0.990

Lumens per Lamp:

Luminous Width (mm):

Voltage: 120.6 V

Power: 24.73 W

Photometric Results

IES Classification: Type IV

Total Rated Lamp Lumens: 2976.9 lm

Efficiency: 100%

Upward Ratio: 9%

C0r0 Intensity: 443.24 cd

Pos of Max. Intensity: H330 V37

Longitudinal Classification: Very Short

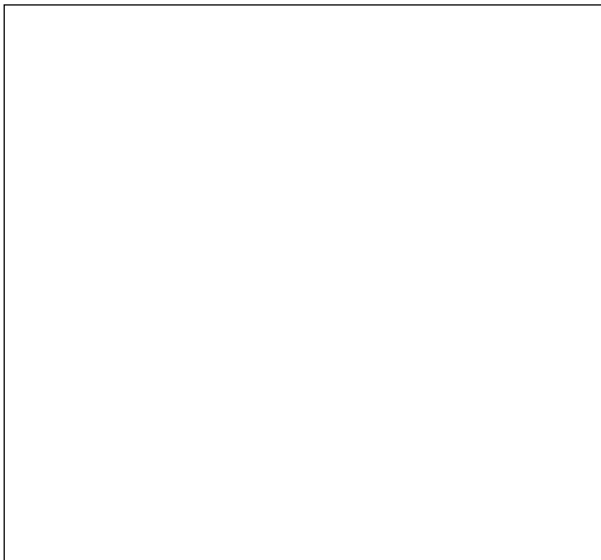
Measurement Flux: 2976.9 lm

Downward Ratio: 91%

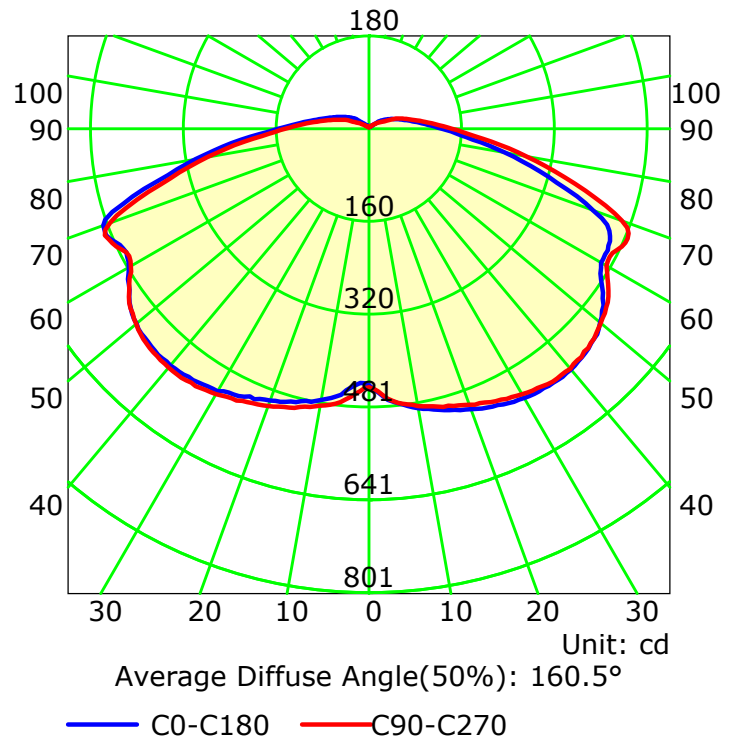
Luminaire Efficacy Rating (LER): 120.42

Max. Intensity: 562.27 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

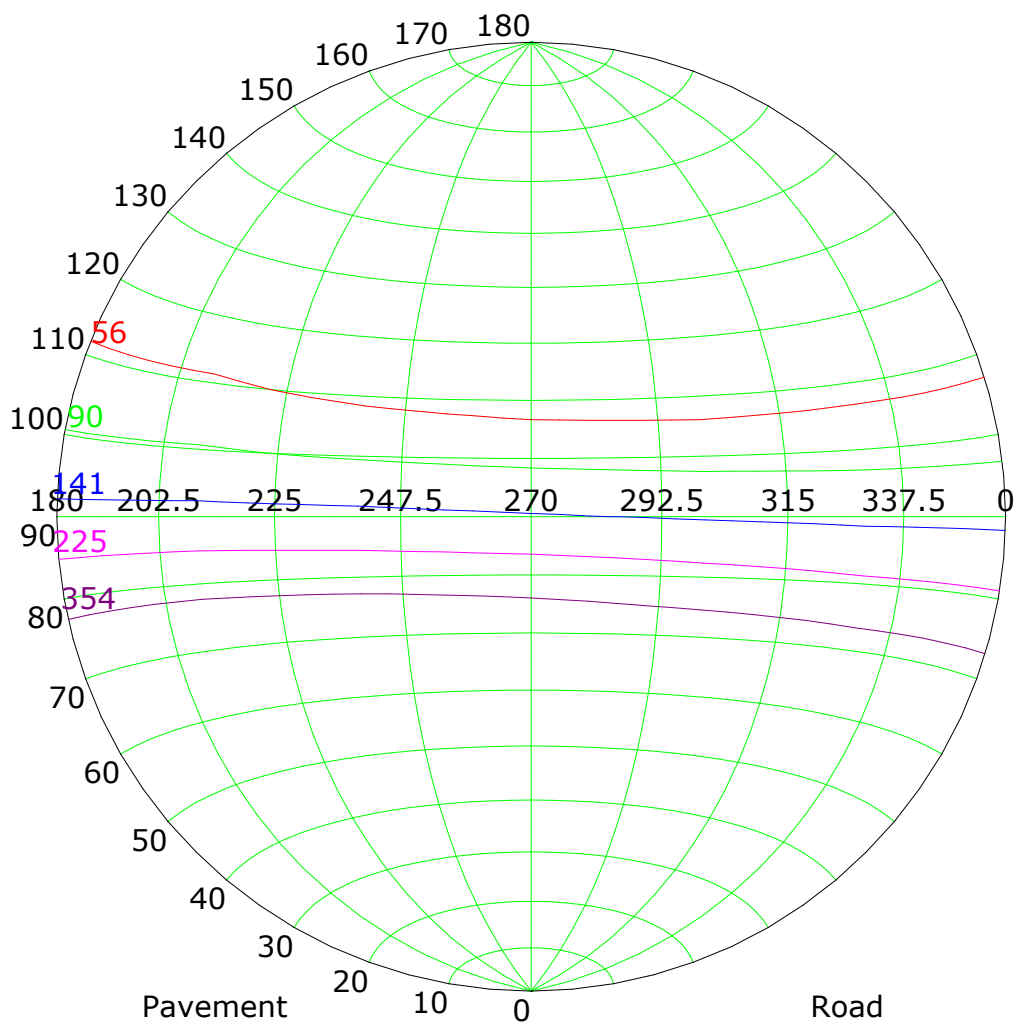
Test Device: GPM-1800B

Distance: 11.655 m [K=1.0000]

Humidity:

Inspector:

Isocandela (sphere)



Imax (100%): 562 cd

(10%):	56 cd	(16%):	90 cd
(25%):	141 cd	(40%):	225 cd
(63%):	354 cd	(100%):	562 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

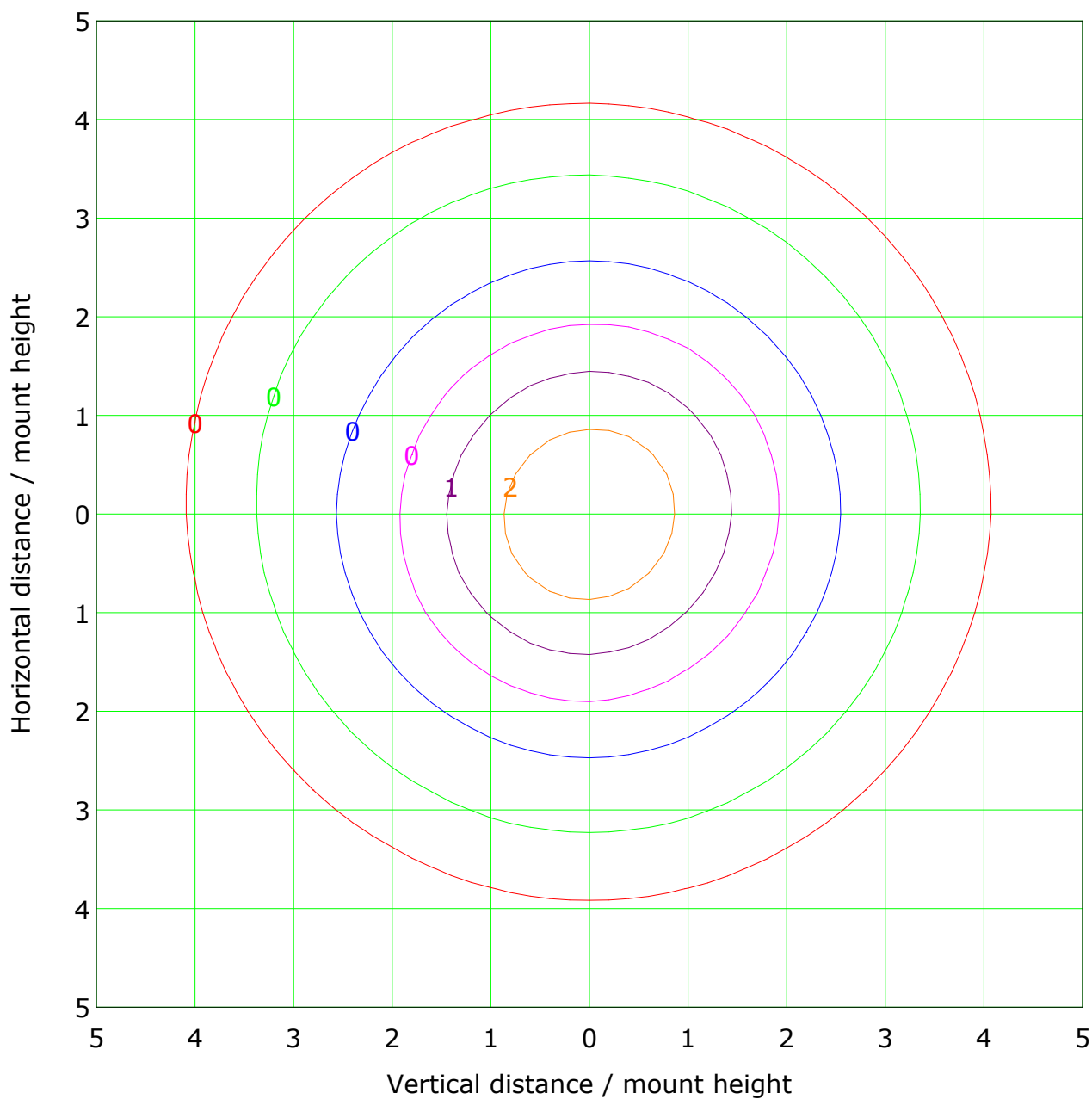
Test Device: GPM-1800B

Distance: 11.655 m [K=1.0000]

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 4.7 lx

(1%): 0.0 lx	(2%): 0.1 lx
(5%): 0.2 lx	(10%): 0.5 lx
(20%): 0.9 lx	(50%): 2.4 lx
(100%): 4.7 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

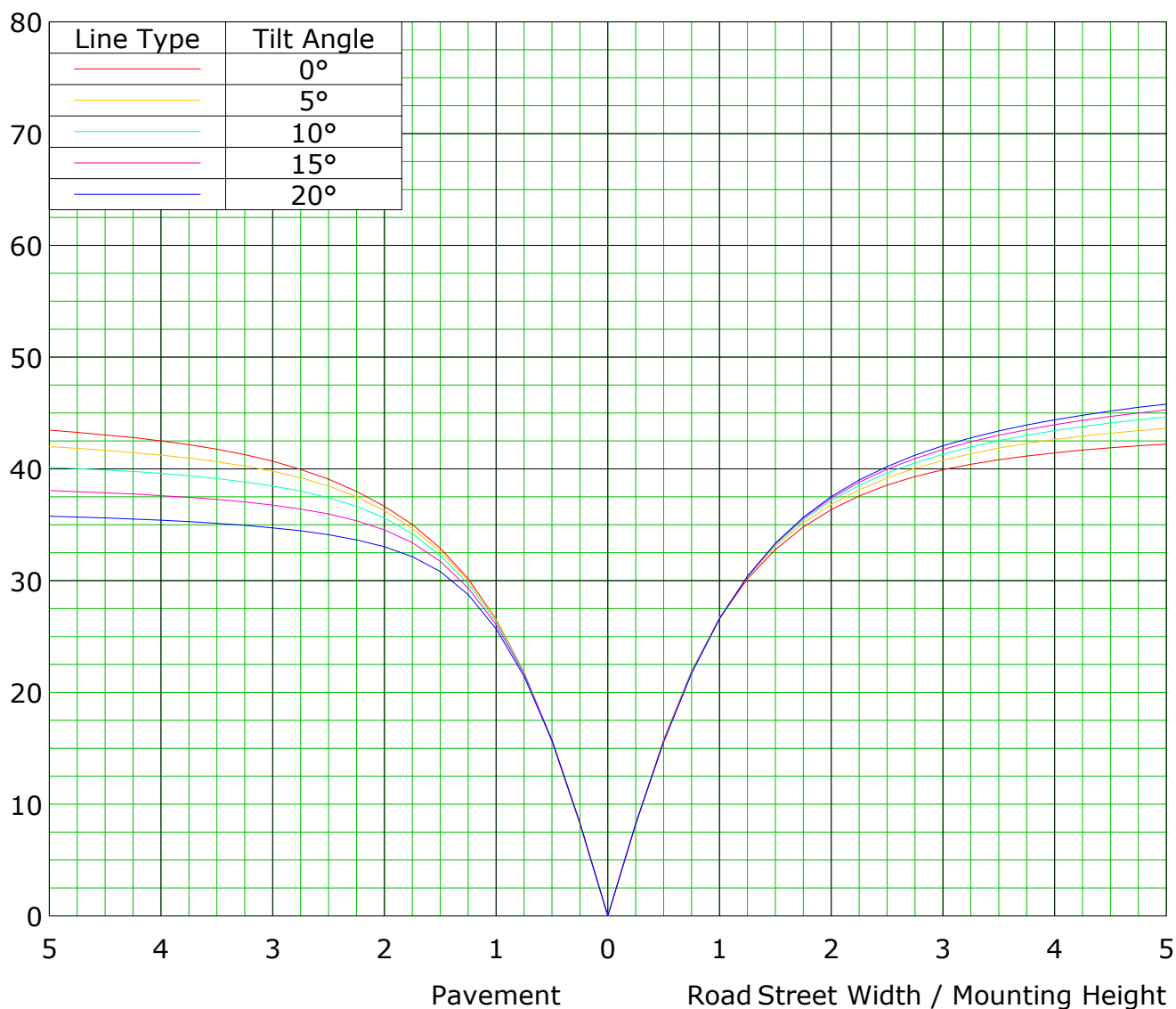
Distance: 11.655 m [K=1.0000]

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	1327	44.6
	FL (0°-30°)	217	7.3
	FM (30°-60°)	600	20.2
	FH (60°-80°)	410	13.8
	FVH (80°-90°)	101	3.4
	BACK LIGHT	1378	46.3
	BL (0°-30°)	212	7.1
	BM (30°-60°)	603	20.3
	BH (60°-80°)	444	14.9
	BVH (80°-90°)	118	4.0
	UP LIGHT	271	9.1
	UL (90°-100°)	121	4.1
	UH (100°-180°)	151	5.1
	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	446.7	0.4	0.4	0.01	0.01
1.0-2.0	449.6	1.3	1.7	0.04	0.06
2.0-3.0	454.4	2.2	3.9	0.07	0.13
3.0-4.0	459.8	3.1	7.0	0.10	0.23
4.0-5.0	465.0	4.0	11.0	0.13	0.37
5.0-6.0	469.7	4.9	15.9	0.17	0.53
6.0-7.0	473.4	5.9	21.8	0.20	0.73
7.0-8.0	476.3	6.8	28.6	0.23	0.96
8.0-9.0	479.2	7.8	36.4	0.26	1.22
9.0-10.0	481.9	8.7	45.1	0.29	1.51
10.0-11.0	484.8	9.7	54.8	0.33	1.84
11.0-12.0	487.7	10.7	65.4	0.36	2.20
12.0-13.0	490.2	11.6	77.1	0.39	2.59
13.0-14.0	492.7	12.6	89.7	0.42	3.01
14.0-15.0	495.9	13.6	103.3	0.46	3.47
15.0-16.0	498.9	14.6	117.9	0.49	3.96
16.0-17.0	501.6	15.6	133.5	0.52	4.49
17.0-18.0	504.4	16.6	150.2	0.56	5.04
18.0-19.0	507.2	17.6	167.8	0.59	5.64
19.0-20.0	509.8	18.7	186.5	0.63	6.26
20.0-21.0	512.3	19.7	206.2	0.66	6.93
21.0-22.0	515.0	20.7	226.9	0.70	7.62
22.0-23.0	517.8	21.7	248.6	0.73	8.35
23.0-24.0	520.2	22.7	271.3	0.76	9.11
24.0-25.0	522.6	23.8	295.1	0.80	9.91
25.0-26.0	525.2	24.8	319.9	0.83	10.75
26.0-27.0	527.4	25.8	345.7	0.87	11.61
27.0-28.0	529.4	26.8	372.5	0.90	12.51
28.0-29.0	531.6	27.8	400.3	0.93	13.45
29.0-30.0	534.0	28.8	429.2	0.97	14.42
30.0-31.0	535.9	29.8	459.0	1.00	15.42
31.0-32.0	537.3	30.8	489.8	1.03	16.45
32.0-33.0	538.8	31.7	521.5	1.07	17.52
33.0-34.0	540.2	32.7	554.2	1.10	18.62
34.0-35.0	541.4	33.6	587.8	1.13	19.75
35.0-36.0	542.2	34.5	622.4	1.16	20.91

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	543.0	35.4	657.8	1.19	22.10
37.0-38.0	543.4	36.3	694.1	1.22	23.32
38.0-39.0	543.4	37.1	731.2	1.25	24.56
39.0-40.0	543.3	37.9	769.1	1.27	25.83
40.0-41.0	542.7	38.7	807.7	1.30	27.13
41.0-42.0	541.7	39.4	847.1	1.32	28.46
42.0-43.0	540.8	40.1	887.1	1.35	29.80
43.0-44.0	539.6	40.7	927.9	1.37	31.17
44.0-45.0	538.0	41.4	969.2	1.39	32.56
45.0-46.0	536.0	41.9	1011.1	1.41	33.97
46.0-47.0	533.8	42.5	1053.6	1.43	35.39
47.0-48.0	531.5	43.0	1096.6	1.44	36.84
48.0-49.0	528.9	43.4	1140.0	1.46	38.30
49.0-50.0	526.1	43.9	1183.9	1.47	39.77
50.0-51.0	522.8	44.2	1228.1	1.49	41.26
51.0-52.0	519.0	44.5	1272.7	1.50	42.75
52.0-53.0	514.6	44.8	1317.4	1.50	44.26
53.0-54.0	509.4	44.9	1362.3	1.51	45.76
54.0-55.0	503.8	45.0	1407.3	1.51	47.28
55.0-56.0	497.9	45.0	1452.3	1.51	48.79
56.0-57.0	492.1	45.0	1497.3	1.51	50.30
57.0-58.0	486.8	45.0	1542.3	1.51	51.81
58.0-59.0	481.8	45.0	1587.4	1.51	53.32
59.0-60.0	477.5	45.1	1632.5	1.52	54.84
60.0-61.0	474.0	45.2	1677.7	1.52	56.36
61.0-62.0	471.7	45.5	1723.2	1.53	57.89
62.0-63.0	470.0	45.7	1768.9	1.54	59.42
63.0-64.0	469.4	46.1	1815.0	1.55	60.97
64.0-65.0	470.1	46.5	1861.5	1.56	62.53
65.0-66.0	471.4	47.0	1908.6	1.58	64.11
66.0-67.0	472.2	47.5	1956.0	1.60	65.71
67.0-68.0	472.0	47.8	2003.9	1.61	67.31
68.0-69.0	469.2	47.9	2051.7	1.61	68.92
69.0-70.0	462.4	47.5	2099.2	1.60	70.52
70.0-71.0	451.6	46.7	2145.9	1.57	72.09
71.0-72.0	436.4	45.4	2191.3	1.52	73.61

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	417.4	43.7	2235.0	1.47	75.08
73.0-74.0	396.8	41.7	2276.7	1.40	76.48
74.0-75.0	376.1	39.7	2316.4	1.33	77.81
75.0-76.0	355.1	37.7	2354.1	1.27	79.08
76.0-77.0	335.0	35.7	2389.8	1.20	80.28
77.0-78.0	316.8	33.9	2423.8	1.14	81.42
78.0-79.0	299.8	32.2	2456.0	1.08	82.50
79.0-80.0	283.0	30.5	2486.5	1.02	83.53
80.0-81.0	266.4	28.8	2515.3	0.97	84.50
81.0-82.0	250.4	27.2	2542.5	0.91	85.41
82.0-83.0	234.7	25.5	2568.0	0.86	86.27
83.0-84.0	219.1	23.9	2591.9	0.80	87.07
84.0-85.0	204.0	22.3	2614.1	0.75	87.82
85.0-86.0	189.8	20.8	2634.9	0.70	88.51
86.0-87.0	177.1	19.4	2654.3	0.65	89.16
87.0-88.0	165.9	18.2	2672.4	0.61	89.77
88.0-89.0	156.1	17.1	2689.6	0.57	90.35
89.0-90.0	147.3	16.2	2705.7	0.54	90.89
90.0-91.0	139.3	15.3	2721.0	0.51	91.41
91.0-92.0	131.9	14.5	2735.4	0.49	91.89
92.0-93.0	124.8	13.7	2749.1	0.46	92.35
93.0-94.0	118.4	13.0	2762.1	0.44	92.79
94.0-95.0	112.2	12.3	2774.3	0.41	93.20
95.0-96.0	106.2	11.6	2785.9	0.39	93.59
96.0-97.0	100.6	11.0	2796.9	0.37	93.95
97.0-98.0	95.2	10.4	2807.2	0.35	94.30
98.0-99.0	90.3	9.8	2817.0	0.33	94.63
99.0-100.0	85.7	9.3	2826.3	0.31	94.94
100.0-101.0	81.5	8.8	2835.1	0.30	95.24
101.0-102.0	77.5	8.3	2843.4	0.28	95.52
102.0-103.0	73.7	7.9	2851.3	0.27	95.78
103.0-104.0	70.3	7.5	2858.8	0.25	96.03
104.0-105.0	67.0	7.1	2865.9	0.24	96.27
105.0-106.0	64.0	6.8	2872.7	0.23	96.50
106.0-107.0	61.2	6.4	2879.1	0.22	96.72
107.0-108.0	58.5	6.1	2885.2	0.21	96.92

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	55.9	5.8	2891.0	0.20	97.12
109.0-110.0	53.5	5.5	2896.6	0.19	97.30
110.0-111.0	51.1	5.3	2901.8	0.18	97.48
111.0-112.0	48.7	5.0	2906.8	0.17	97.65
112.0-113.0	46.2	4.7	2911.5	0.16	97.80
113.0-114.0	43.7	4.4	2915.9	0.15	97.95
114.0-115.0	41.4	4.1	2920.0	0.14	98.09
115.0-116.0	39.3	3.9	2923.9	0.13	98.22
116.0-117.0	37.5	3.7	2927.6	0.12	98.34
117.0-118.0	35.8	3.5	2931.0	0.12	98.46
118.0-119.0	34.1	3.3	2934.3	0.11	98.57
119.0-120.0	32.5	3.1	2937.4	0.10	98.68
120.0-121.0	30.9	2.9	2940.3	0.10	98.77
121.0-122.0	29.4	2.7	2943.1	0.09	98.87
122.0-123.0	27.9	2.6	2945.7	0.09	98.95
123.0-124.0	26.4	2.4	2948.1	0.08	99.03
124.0-125.0	25.0	2.3	2950.3	0.08	99.11
125.0-126.0	23.7	2.1	2952.5	0.07	99.18
126.0-127.0	22.3	2.0	2954.4	0.07	99.25
127.0-128.0	20.9	1.8	2956.2	0.06	99.31
128.0-129.0	19.5	1.7	2957.9	0.06	99.36
129.0-130.0	18.2	1.5	2959.5	0.05	99.42
130.0-131.0	16.9	1.4	2960.9	0.05	99.46
131.0-132.0	15.7	1.3	2962.2	0.04	99.51
132.0-133.0	14.6	1.2	2963.3	0.04	99.55
133.0-134.0	13.5	1.1	2964.4	0.04	99.58
134.0-135.0	12.5	1.0	2965.4	0.03	99.62
135.0-136.0	11.6	0.9	2966.3	0.03	99.65
136.0-137.0	10.7	0.8	2967.1	0.03	99.67
137.0-138.0	9.9	0.7	2967.8	0.02	99.70
138.0-139.0	9.2	0.7	2968.5	0.02	99.72
139.0-140.0	8.6	0.6	2969.1	0.02	99.74
140.0-141.0	8.0	0.6	2969.7	0.02	99.76
141.0-142.0	7.5	0.5	2970.2	0.02	99.78
142.0-143.0	7.1	0.5	2970.6	0.02	99.79
143.0-144.0	6.7	0.4	2971.1	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	6.4	0.4	2971.5	0.01	99.82
145.0-146.0	6.1	0.4	2971.9	0.01	99.83
146.0-147.0	5.9	0.4	2972.2	0.01	99.85
147.0-148.0	5.8	0.3	2972.6	0.01	99.86
148.0-149.0	5.6	0.3	2972.9	0.01	99.87
149.0-150.0	5.5	0.3	2973.2	0.01	99.88
150.0-151.0	5.4	0.3	2973.5	0.01	99.89
151.0-152.0	5.2	0.3	2973.8	0.01	99.90
152.0-153.0	5.1	0.3	2974.0	0.01	99.91
153.0-154.0	5.0	0.2	2974.3	0.01	99.91
154.0-155.0	4.8	0.2	2974.5	0.01	99.92
155.0-156.0	4.7	0.2	2974.7	0.01	99.93
156.0-157.0	4.6	0.2	2974.9	0.01	99.94
157.0-158.0	4.5	0.2	2975.1	0.01	99.94
158.0-159.0	4.4	0.2	2975.3	0.01	99.95
159.0-160.0	4.3	0.2	2975.4	0.01	99.95
160.0-161.0	4.2	0.2	2975.6	0.01	99.96
161.0-162.0	4.1	0.1	2975.7	0.00	99.96
162.0-163.0	4.0	0.1	2975.9	0.00	99.97
163.0-164.0	3.9	0.1	2976.0	0.00	99.97
164.0-165.0	3.8	0.1	2976.1	0.00	99.97
165.0-166.0	3.7	0.1	2976.2	0.00	99.98
166.0-167.0	3.7	0.1	2976.3	0.00	99.98
167.0-168.0	3.6	0.1	2976.4	0.00	99.98
168.0-169.0	3.6	0.1	2976.5	0.00	99.99
169.0-170.0	3.5	0.1	2976.5	0.00	99.99
170.0-171.0	3.4	0.1	2976.6	0.00	99.99
171.0-172.0	3.4	0.1	2976.6	0.00	99.99
172.0-173.0	3.4	0.0	2976.7	0.00	99.99
173.0-174.0	3.3	0.0	2976.7	0.00	100.00
174.0-175.0	3.3	0.0	2976.8	0.00	100.00
175.0-176.0	3.3	0.0	2976.8	0.00	100.00
176.0-177.0	3.3	0.0	2976.8	0.00	100.00
177.0-178.0	3.3	0.0	2976.8	0.00	100.00
178.0-179.0	3.4	0.0	2976.8	0.00	100.00
179.0-180.0	3.4	0.0	2976.8	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°): 969.22 lm

%lum = 32.6%

%lamp = 32.6%

cone flux(120°): 1632.50 lm

%lum = 54.8%

%lamp = 54.8%

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