

Report No.:

Test Time: 2024/3/28

## Luminaire Property

Luminaire Manufacturer:

Luminaire Category:

Luminaire Description: 210-01-26W-27V-3CCT-D(40%)

Lamp Catalog:

Lamp Description:

Lumens per Lamp:

Luminous Width (mm):

Voltage: 120.8 V

Power: 10.48 W

Number of Lamps:

Luminous Length (mm):

Luminous Height (mm):

Current: 0.088 A

Power Factor: 0.985

## Photometric Results

IES Classification: Type IV

Total Rated Lamp Lumens: 1276.7 lm

Efficiency: 100%

Upward Ratio: 9%

C0r0 Intensity: 209.82 cd

Pos of Max. Intensity: H330 V38

Longitudinal Classification: Very Short

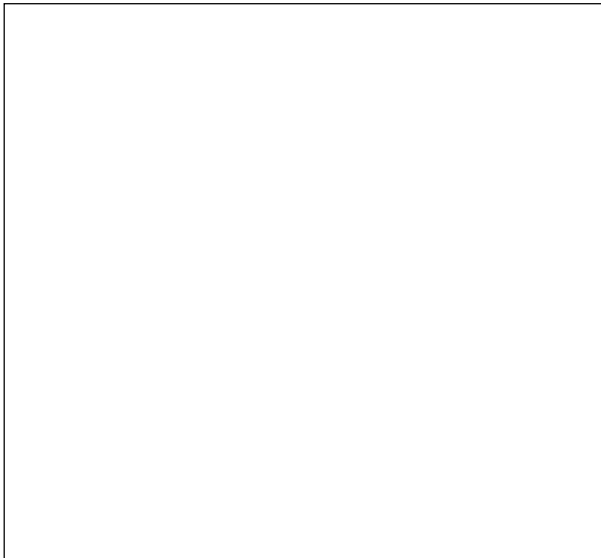
Measurement Flux: 1276.7 lm

Downward Ratio: 91%

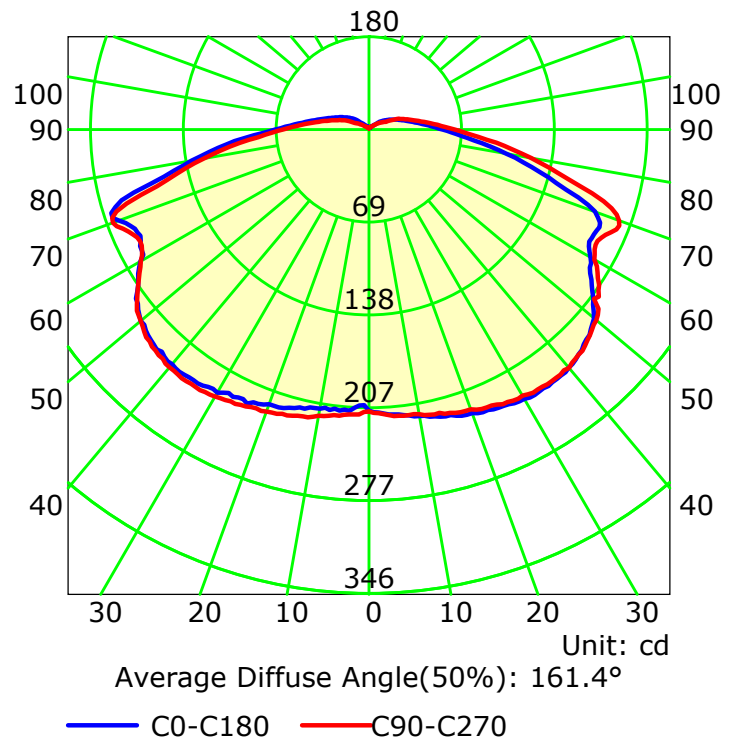
Luminaire Efficacy Rating (LER): 121.87

Max. Intensity: 242.22 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

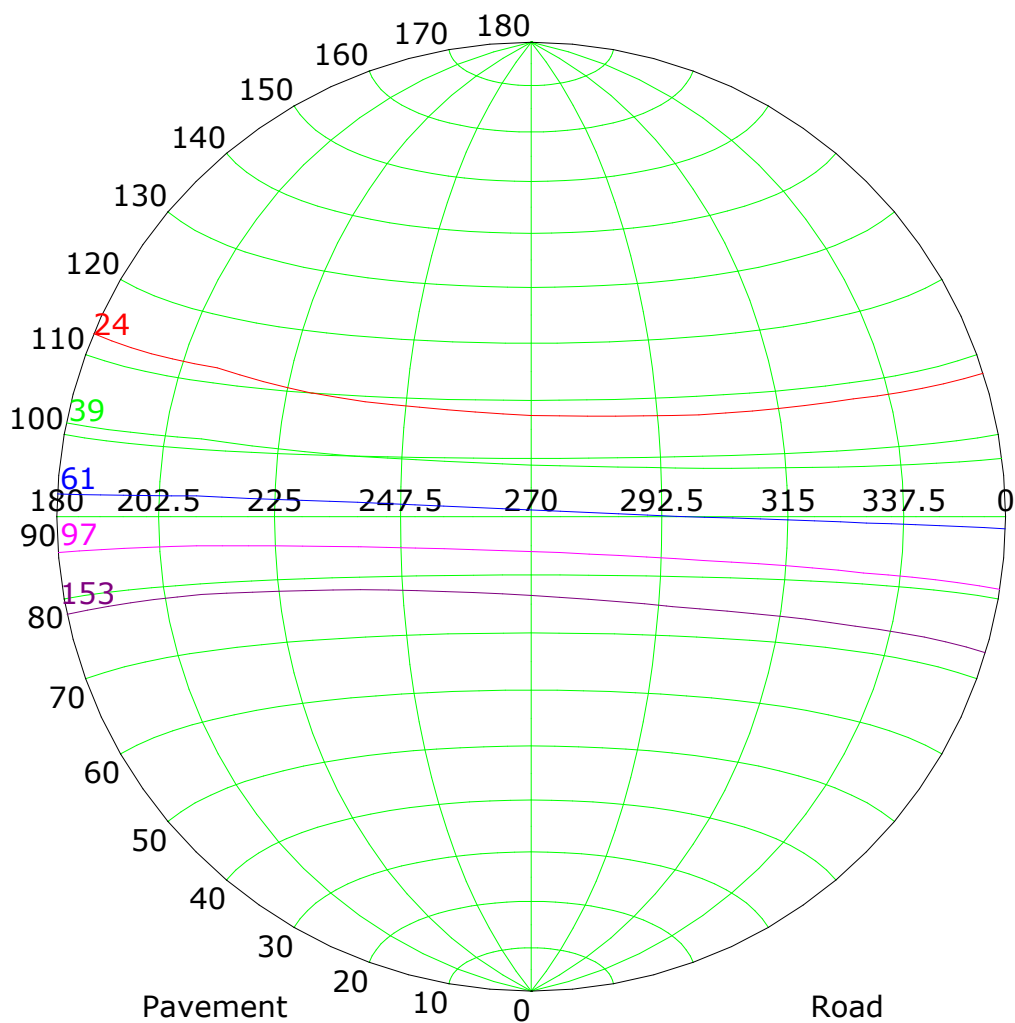
Test Device: GPM-1800B

Distance: 11.655 m [K=1.0000]

Humidity:

Inspector:

## Isocandela (sphere)



Imax (100%): 242 cd

( 10%):	24 cd	( 16%):	39 cd
( 25%):	61 cd	( 40%):	97 cd
( 63%):	153 cd	(100%):	242 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

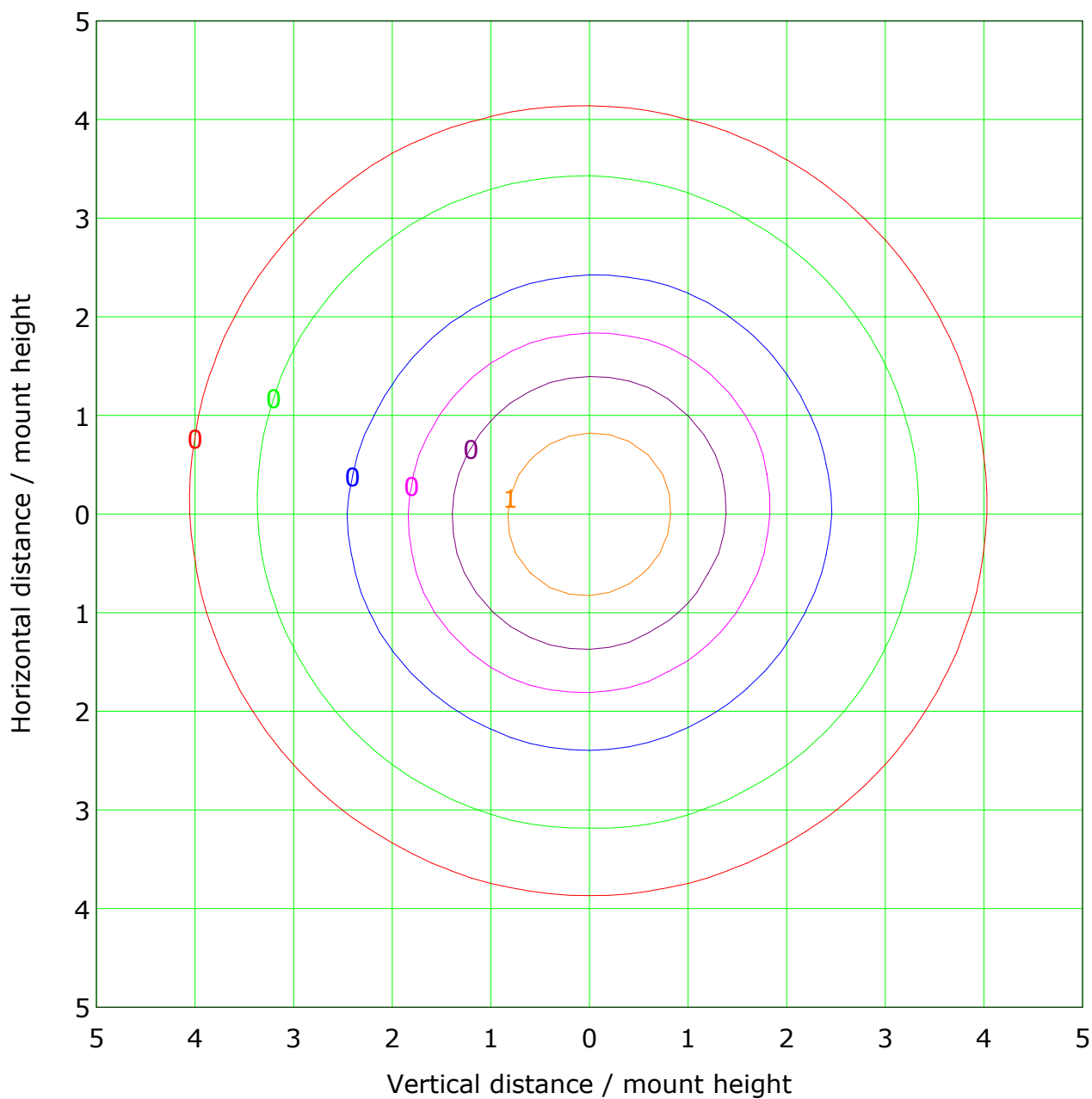
Test Device: GPM-1800B

Distance: 11.655 m [K=1.0000]

Humidity:

Inspector:

## IsoLux Plot



Mounting Height: 10.0m    Max Lux(100%): 2.1 lx

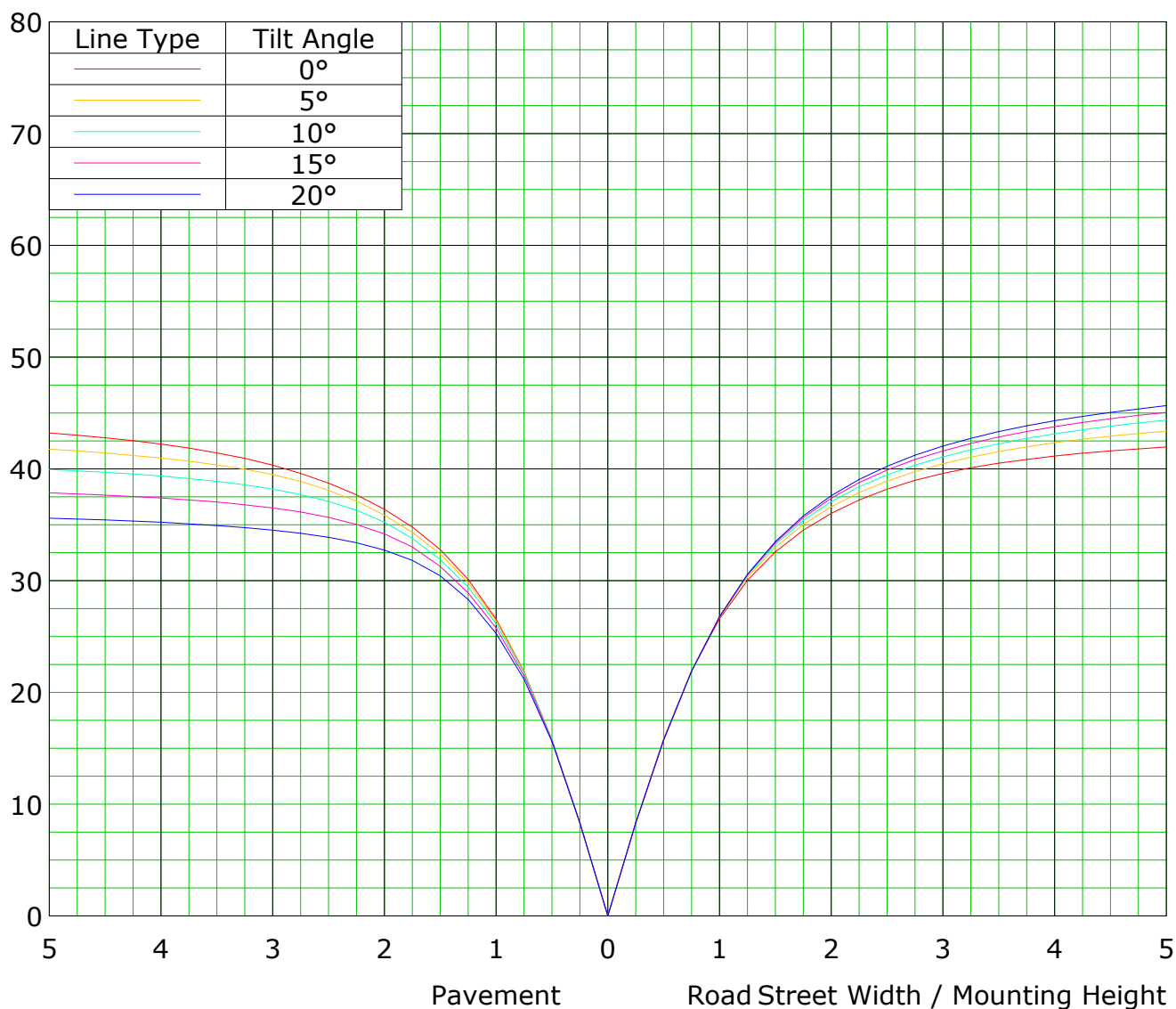
( 1%): 0.0 lx	( 2%): 0.0 lx
( 5%): 0.1 lx	( 10%): 0.2 lx
( 20%): 0.4 lx	( 50%): 1.1 lx
(100%): 2.1 lx	

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

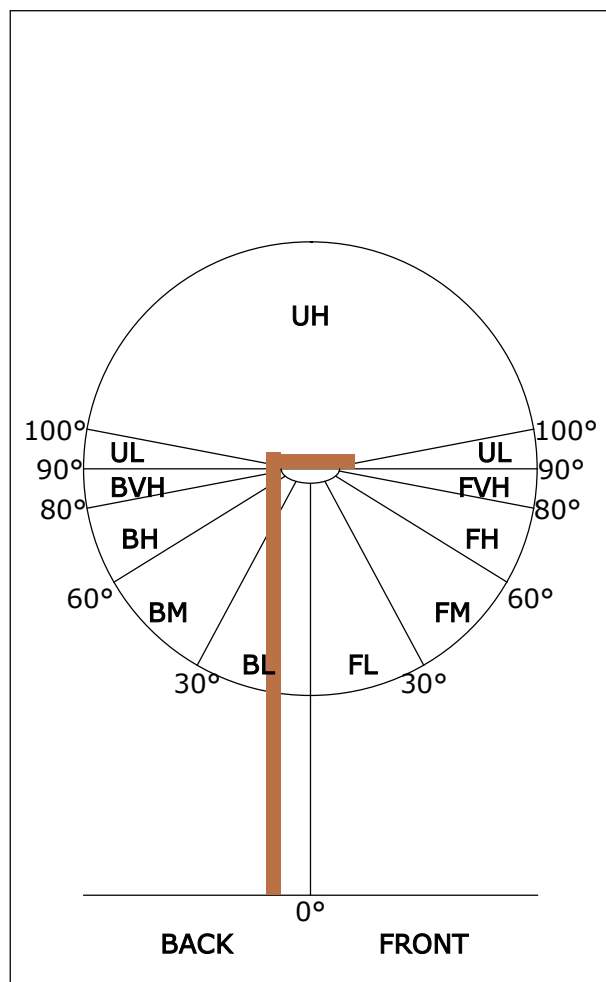
Test Device: GPM-1800B

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	567	44.4
FL ( 0°-30°)	95	7.5
FM (30°-60°)	254	19.9
FH (60°-80°)	173	13.6
FVH (80°-90°)	45	3.5
BACK LIGHT	590	46.2
BL ( 0°-30°)	94	7.3
BM (30°-60°)	256	20.1
BH (60°-80°)	187	14.6
BVH (80°-90°)	53	4.1
UP LIGHT	120	9.4
UL (90°-100°)	54	4.2
UH (100°-180°)	67	5.2
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 <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	210.1	0.2	0.2	0.02	0.02
1.0-2.0	210.5	0.6	0.8	0.05	0.06
2.0-3.0	211.4	1.0	1.8	0.08	0.14
3.0-4.0	212.4	1.4	3.2	0.11	0.25
4.0-5.0	213.0	1.8	5.1	0.14	0.40
5.0-6.0	213.5	2.2	7.3	0.18	0.57
6.0-7.0	214.1	2.7	10.0	0.21	0.78
7.0-8.0	214.6	3.1	13.0	0.24	1.02
8.0-9.0	215.3	3.5	16.5	0.27	1.30
9.0-10.0	215.9	3.9	20.4	0.31	1.60
10.0-11.0	216.7	4.3	24.8	0.34	1.94
11.0-12.0	217.7	4.8	29.5	0.37	2.31
12.0-13.0	218.6	5.2	34.7	0.41	2.72
13.0-14.0	219.3	5.6	40.3	0.44	3.16
14.0-15.0	220.2	6.0	46.4	0.47	3.63
15.0-16.0	221.1	6.5	52.9	0.51	4.14
16.0-17.0	222.0	6.9	59.8	0.54	4.68
17.0-18.0	222.8	7.3	67.1	0.58	5.26
18.0-19.0	223.7	7.8	74.9	0.61	5.87
19.0-20.0	224.4	8.2	83.1	0.64	6.51
20.0-21.0	225.1	8.6	91.8	0.68	7.19
21.0-22.0	226.1	9.1	100.9	0.71	7.90
22.0-23.0	226.9	9.5	110.4	0.75	8.65
23.0-24.0	227.6	10.0	120.3	0.78	9.43
24.0-25.0	228.3	10.4	130.7	0.81	10.24
25.0-26.0	228.7	10.8	141.5	0.85	11.08
26.0-27.0	229.5	11.2	152.7	0.88	11.96
27.0-28.0	230.3	11.7	164.4	0.91	12.88
28.0-29.0	231.0	12.1	176.5	0.95	13.82
29.0-30.0	231.7	12.5	189.0	0.98	14.80
30.0-31.0	232.2	12.9	201.9	1.01	15.82
31.0-32.0	232.8	13.3	215.3	1.04	16.86
32.0-33.0	233.1	13.7	229.0	1.08	17.94
33.0-34.0	233.3	14.1	243.1	1.11	19.04
34.0-35.0	233.6	14.5	257.6	1.14	20.18
35.0-36.0	233.7	14.9	272.5	1.17	21.35

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 1)

Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	233.5	15.2	287.7	1.19	22.54
37.0-38.0	233.4	15.6	303.3	1.22	23.76
38.0-39.0	233.4	15.9	319.3	1.25	25.01
39.0-40.0	233.0	16.3	335.5	1.27	26.28
40.0-41.0	232.5	16.6	352.1	1.30	27.58
41.0-42.0	231.7	16.8	368.9	1.32	28.90
42.0-43.0	230.8	17.1	386.0	1.34	30.23
43.0-44.0	230.1	17.4	403.4	1.36	31.60
44.0-45.0	229.3	17.6	421.0	1.38	32.98
45.0-46.0	228.2	17.9	438.8	1.40	34.37
46.0-47.0	227.1	18.1	456.9	1.41	35.79
47.0-48.0	225.7	18.2	475.1	1.43	37.22
48.0-49.0	224.0	18.4	493.5	1.44	38.66
49.0-50.0	222.4	18.5	512.1	1.45	40.11
50.0-51.0	220.7	18.7	530.8	1.46	41.57
51.0-52.0	218.3	18.7	549.5	1.47	43.04
52.0-53.0	215.3	18.7	568.2	1.47	44.51
53.0-54.0	212.4	18.7	586.9	1.47	45.98
54.0-55.0	209.6	18.7	605.7	1.47	47.44
55.0-56.0	206.6	18.7	624.3	1.46	48.90
56.0-57.0	203.7	18.6	643.0	1.46	50.36
57.0-58.0	201.1	18.6	661.6	1.46	51.82
58.0-59.0	198.8	18.6	680.2	1.46	53.28
59.0-60.0	196.6	18.6	698.7	1.46	54.73
60.0-61.0	194.5	18.6	717.3	1.45	56.19
61.0-62.0	192.7	18.6	735.9	1.45	57.64
62.0-63.0	191.6	18.6	754.5	1.46	59.10
63.0-64.0	190.5	18.7	773.2	1.46	60.56
64.0-65.0	189.8	18.8	792.0	1.47	62.04
65.0-66.0	189.7	18.9	810.9	1.48	63.52
66.0-67.0	189.9	19.1	830.0	1.50	65.01
67.0-68.0	190.8	19.3	849.3	1.51	66.53
68.0-69.0	192.1	19.6	868.9	1.53	68.06
69.0-70.0	192.7	19.8	888.7	1.55	69.61
70.0-71.0	192.1	19.9	908.6	1.56	71.17
71.0-72.0	189.6	19.7	928.3	1.54	72.71

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 <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	184.1	19.3	947.6	1.51	74.22
73.0-74.0	176.1	18.5	966.1	1.45	75.67
74.0-75.0	166.9	17.6	983.7	1.38	77.05
75.0-76.0	157.2	16.7	1000.4	1.31	78.36
76.0-77.0	147.6	15.7	1016.1	1.23	79.59
77.0-78.0	139.3	14.9	1031.1	1.17	80.76
78.0-79.0	132.0	14.2	1045.2	1.11	81.87
79.0-80.0	125.0	13.5	1058.7	1.06	82.93
80.0-81.0	118.0	12.8	1071.5	1.00	83.93
81.0-82.0	111.2	12.1	1083.5	0.94	84.87
82.0-83.0	104.4	11.4	1094.9	0.89	85.76
83.0-84.0	97.7	10.7	1105.5	0.83	86.60
84.0-85.0	91.2	10.0	1115.5	0.78	87.38
85.0-86.0	84.9	9.3	1124.8	0.73	88.10
86.0-87.0	79.0	8.7	1133.4	0.68	88.78
87.0-88.0	73.9	8.1	1141.5	0.63	89.42
88.0-89.0	69.4	7.6	1149.1	0.60	90.01
89.0-90.0	65.4	7.2	1156.3	0.56	90.57
90.0-91.0	61.9	6.8	1163.1	0.53	91.10
91.0-92.0	58.6	6.4	1169.5	0.50	91.61
92.0-93.0	55.5	6.1	1175.6	0.48	92.08
93.0-94.0	52.6	5.8	1181.4	0.45	92.54
94.0-95.0	49.8	5.4	1186.8	0.43	92.96
95.0-96.0	47.1	5.1	1191.9	0.40	93.36
96.0-97.0	44.6	4.9	1196.8	0.38	93.75
97.0-98.0	42.3	4.6	1201.4	0.36	94.11
98.0-99.0	40.1	4.3	1205.8	0.34	94.45
99.0-100.0	38.1	4.1	1209.9	0.32	94.77
100.0-101.0	36.2	3.9	1213.8	0.31	95.07
101.0-102.0	34.4	3.7	1217.5	0.29	95.36
102.0-103.0	32.8	3.5	1221.0	0.27	95.64
103.0-104.0	31.3	3.3	1224.3	0.26	95.90
104.0-105.0	29.8	3.2	1227.5	0.25	96.15
105.0-106.0	28.5	3.0	1230.5	0.24	96.38
106.0-107.0	27.2	2.9	1233.4	0.22	96.61
107.0-108.0	26.1	2.7	1236.1	0.21	96.82

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 <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	24.9	2.6	1238.7	0.20	97.03
109.0-110.0	23.9	2.5	1241.1	0.19	97.22
110.0-111.0	22.8	2.3	1243.5	0.18	97.40
111.0-112.0	21.7	2.2	1245.7	0.17	97.58
112.0-113.0	20.6	2.1	1247.8	0.16	97.74
113.0-114.0	19.5	2.0	1249.8	0.15	97.89
114.0-115.0	18.4	1.8	1251.6	0.14	98.04
115.0-116.0	17.5	1.7	1253.3	0.14	98.17
116.0-117.0	16.7	1.6	1255.0	0.13	98.30
117.0-118.0	15.9	1.6	1256.5	0.12	98.42
118.0-119.0	15.2	1.5	1258.0	0.11	98.54
119.0-120.0	14.5	1.4	1259.4	0.11	98.65
120.0-121.0	13.8	1.3	1260.7	0.10	98.75
121.0-122.0	13.1	1.2	1261.9	0.10	98.84
122.0-123.0	12.4	1.1	1263.0	0.09	98.93
123.0-124.0	11.8	1.1	1264.1	0.08	99.02
124.0-125.0	11.2	1.0	1265.1	0.08	99.10
125.0-126.0	10.6	0.9	1266.1	0.07	99.17
126.0-127.0	10.0	0.9	1267.0	0.07	99.24
127.0-128.0	9.3	0.8	1267.8	0.06	99.30
128.0-129.0	8.7	0.7	1268.5	0.06	99.36
129.0-130.0	8.1	0.7	1269.2	0.05	99.42
130.0-131.0	7.5	0.6	1269.8	0.05	99.46
131.0-132.0	6.9	0.6	1270.4	0.04	99.51
132.0-133.0	6.4	0.5	1270.9	0.04	99.55
133.0-134.0	5.9	0.5	1271.4	0.04	99.59
134.0-135.0	5.4	0.4	1271.8	0.03	99.62
135.0-136.0	5.0	0.4	1272.2	0.03	99.65
136.0-137.0	4.6	0.3	1272.5	0.03	99.68
137.0-138.0	4.3	0.3	1272.8	0.02	99.70
138.0-139.0	3.9	0.3	1273.1	0.02	99.72
139.0-140.0	3.7	0.3	1273.4	0.02	99.74
140.0-141.0	3.4	0.2	1273.6	0.02	99.76
141.0-142.0	3.2	0.2	1273.8	0.02	99.78
142.0-143.0	3.0	0.2	1274.0	0.02	99.80
143.0-144.0	2.9	0.2	1274.2	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 <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	2.7	0.2	1274.4	0.01	99.82
145.0-146.0	2.6	0.2	1274.6	0.01	99.84
146.0-147.0	2.5	0.2	1274.7	0.01	99.85
147.0-148.0	2.4	0.1	1274.9	0.01	99.86
148.0-149.0	2.4	0.1	1275.0	0.01	99.87
149.0-150.0	2.3	0.1	1275.1	0.01	99.88
150.0-151.0	2.3	0.1	1275.2	0.01	99.89
151.0-152.0	2.2	0.1	1275.4	0.01	99.90
152.0-153.0	2.2	0.1	1275.5	0.01	99.91
153.0-154.0	2.1	0.1	1275.6	0.01	99.92
154.0-155.0	2.1	0.1	1275.7	0.01	99.92
155.0-156.0	2.0	0.1	1275.8	0.01	99.93
156.0-157.0	1.9	0.1	1275.9	0.01	99.94
157.0-158.0	1.9	0.1	1275.9	0.01	99.94
158.0-159.0	1.8	0.1	1276.0	0.01	99.95
159.0-160.0	1.8	0.1	1276.1	0.01	99.95
160.0-161.0	1.8	0.1	1276.1	0.01	99.96
161.0-162.0	1.7	0.1	1276.2	0.00	99.96
162.0-163.0	1.7	0.1	1276.3	0.00	99.97
163.0-164.0	1.6	0.0	1276.3	0.00	99.97
164.0-165.0	1.6	0.0	1276.3	0.00	99.98
165.0-166.0	1.5	0.0	1276.4	0.00	99.98
166.0-167.0	1.5	0.0	1276.4	0.00	99.98
167.0-168.0	1.5	0.0	1276.5	0.00	99.98
168.0-169.0	1.5	0.0	1276.5	0.00	99.99
169.0-170.0	1.4	0.0	1276.5	0.00	99.99
170.0-171.0	1.4	0.0	1276.6	0.00	99.99
171.0-172.0	1.4	0.0	1276.6	0.00	99.99
172.0-173.0	1.4	0.0	1276.6	0.00	100.00
173.0-174.0	1.4	0.0	1276.6	0.00	100.00
174.0-175.0	1.4	0.0	1276.6	0.00	100.00
175.0-176.0	1.3	0.0	1276.6	0.00	100.00
176.0-177.0	1.3	0.0	1276.6	0.00	100.00
177.0-178.0	1.4	0.0	1276.7	0.00	100.00
178.0-179.0	1.4	0.0	1276.7	0.00	100.00
179.0-180.0	1.4	0.0	1276.7	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°): 420.98 lm

%lum = 33.0%

%lamp = 33.0%

cone flux(120°): 698.73 lm

%lum = 54.7%

%lamp = 54.7%

## LED Average Luminance Report

Avg.L	cd/m <sup>2</sup>
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