

Report No.:

Test Time: 2024/3/21

Luminaire Property

Luminaire Manufacturer:

Luminaire Category:

Luminaire Description: 211-01-26W-27V-3CCT-D(100%)

Lamp Catalog:

Lamp Description:

Number of Lamps:

Luminous Length (mm):

Luminous Height (mm):

Current: 0.197 A

Power Factor: 0.990

Lumens per Lamp:

Luminous Width (mm):

Voltage: 120.7 V

Power: 23.51 W

Photometric Results

IES Classification: Type IV

Total Rated Lamp Lumens: 2881.4 lm

Efficiency: 100%

Upward Ratio: 9%

C0r0 Intensity: 467.67 cd

Pos of Max. Intensity: H30 V38

Longitudinal Classification: Very Short

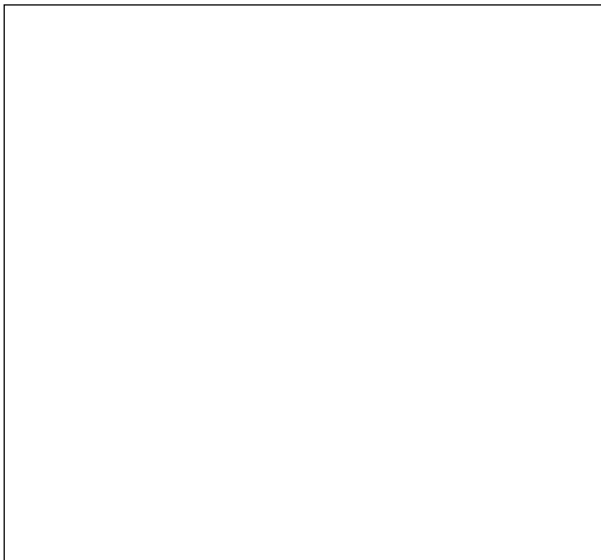
Measurement Flux: 2881.4 lm

Downward Ratio: 91%

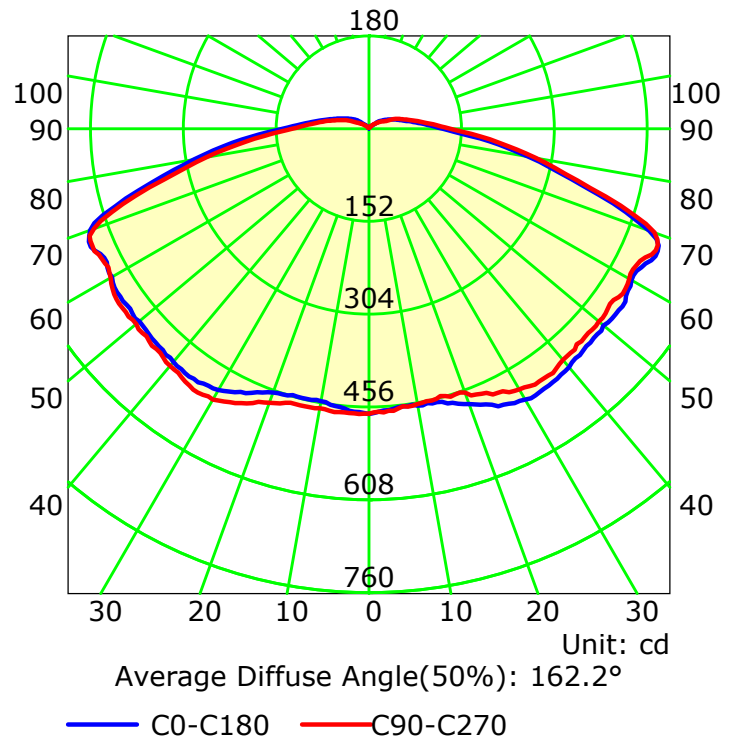
Luminaire Efficacy Rating (LER): 122.61

Max. Intensity: 531.95 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

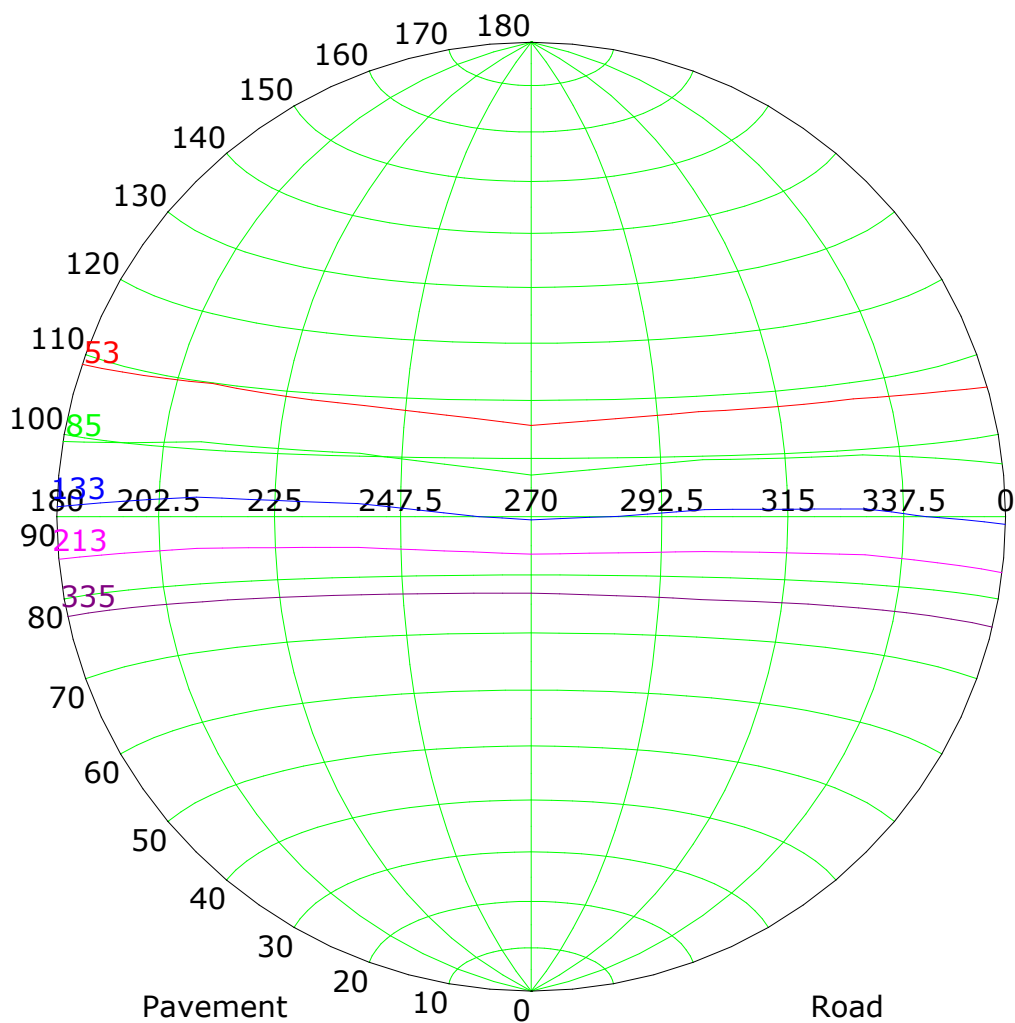
Test Device: GPM-1800B

Distance: 11.655 m [K=1.0000]

Humidity:

Inspector:

Isocandela (sphere)



Imax (100%): 532 cd

(10%):	53 cd	(16%):	85 cd
(25%):	133 cd	(40%):	213 cd
(63%):	335 cd	(100%):	532 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

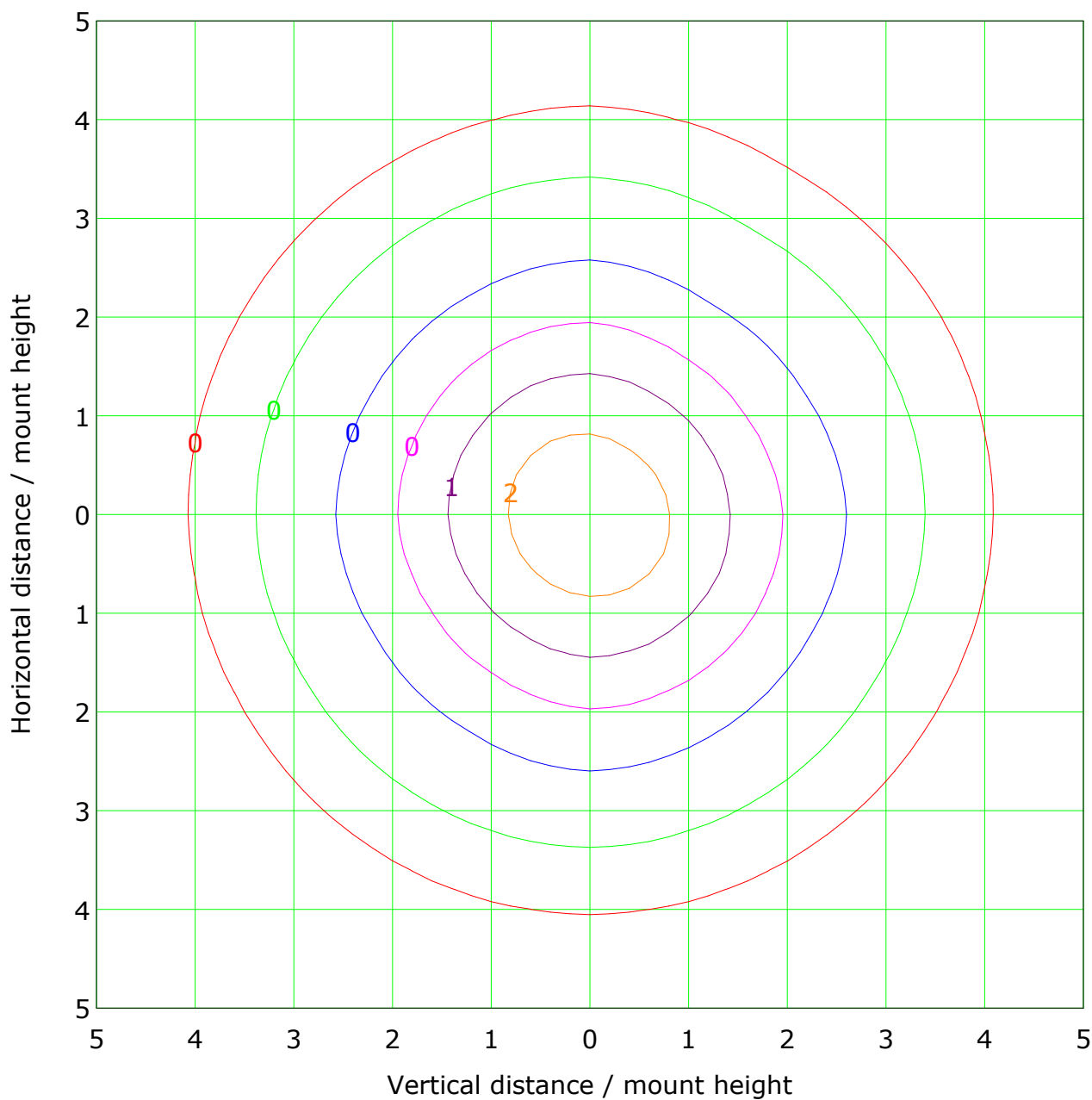
Test Device: GPM-1800B

Distance: 11.655 m [K=1.0000]

Humidity:

Inspector:

IsoLux Plot



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

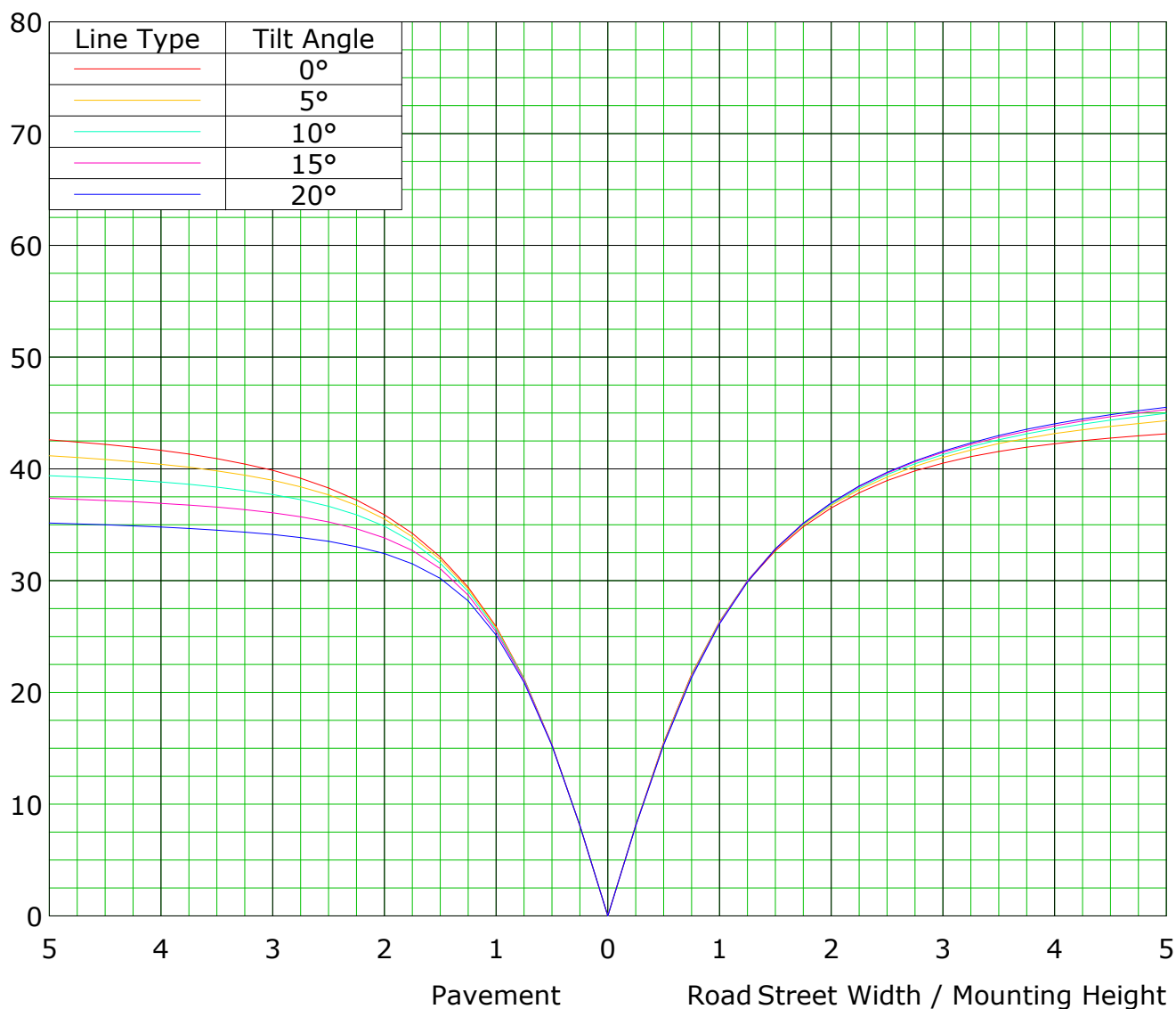
(1%): 0.0 lx	(2%): 0.1 lx
(5%): 0.2 lx	(10%): 0.5 lx
(20%): 0.9 lx	(50%): 2.3 lx
(100%): 4.7 lx	

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

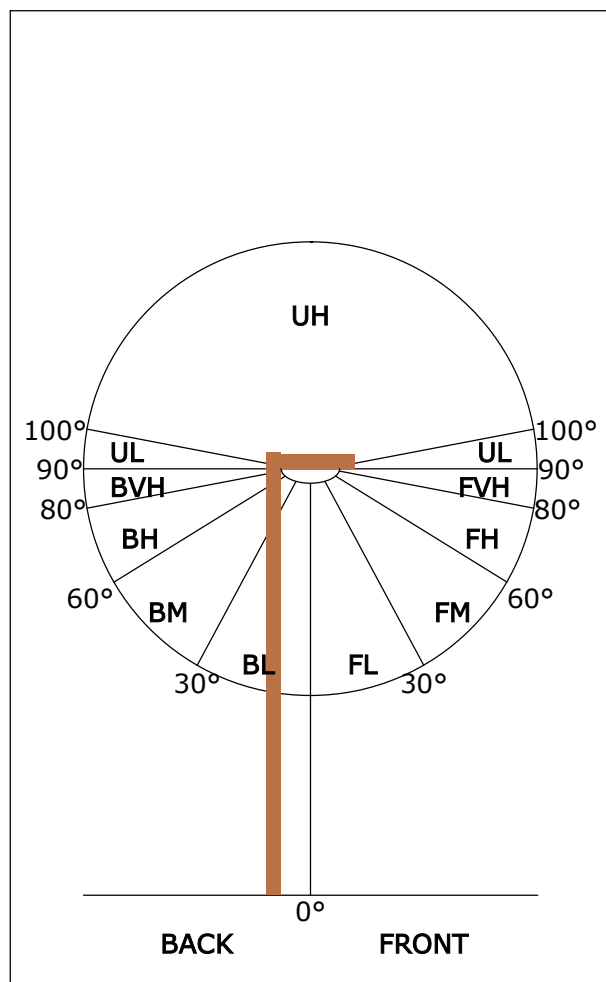
Test Device: GPM-1800B

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	1320	45.8
FL (0°-30°)	204	7.1
FM (30°-60°)	575	20.0
FH (60°-80°)	432	15.0
FVH (80°-90°)	108	3.8
BACK LIGHT	1310	45.5
BL (0°-30°)	199	6.9
BM (30°-60°)	564	19.6
BH (60°-80°)	431	15.0
BVH (80°-90°)	115	4.0
UP LIGHT	252	8.7
UL (90°-100°)	119	4.1
UH (100°-180°)	133	4.6
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	466.5	0.4	0.4	0.02	0.02
1.0-2.0	465.7	1.3	1.8	0.05	0.06
2.0-3.0	465.2	2.2	4.0	0.08	0.14
3.0-4.0	464.8	3.1	7.1	0.11	0.25
4.0-5.0	464.0	4.0	11.1	0.14	0.39
5.0-6.0	462.8	4.9	16.0	0.17	0.55
6.0-7.0	461.9	5.7	21.7	0.20	0.75
7.0-8.0	461.7	6.6	28.3	0.23	0.98
8.0-9.0	461.1	7.5	35.8	0.26	1.24
9.0-10.0	460.6	8.3	44.1	0.29	1.53
10.0-11.0	460.7	9.2	53.3	0.32	1.85
11.0-12.0	461.2	10.1	63.4	0.35	2.20
12.0-13.0	462.4	11.0	74.4	0.38	2.58
13.0-14.0	464.2	11.9	86.3	0.41	2.99
14.0-15.0	466.2	12.8	99.1	0.44	3.44
15.0-16.0	468.4	13.7	112.8	0.48	3.91
16.0-17.0	470.5	14.7	127.5	0.51	4.42
17.0-18.0	472.6	15.6	143.0	0.54	4.96
18.0-19.0	474.2	16.5	159.5	0.57	5.54
19.0-20.0	475.8	17.4	177.0	0.60	6.14
20.0-21.0	477.8	18.4	195.3	0.64	6.78
21.0-22.0	480.2	19.3	214.6	0.67	7.45
22.0-23.0	482.3	20.2	234.8	0.70	8.15
23.0-24.0	484.6	21.2	256.0	0.74	8.89
24.0-25.0	487.5	22.2	278.2	0.77	9.66
25.0-26.0	489.8	23.1	301.3	0.80	10.46
26.0-27.0	491.8	24.1	325.4	0.84	11.29
27.0-28.0	494.1	25.0	350.4	0.87	12.16
28.0-29.0	496.4	26.0	376.4	0.90	13.06
29.0-30.0	498.4	26.9	403.3	0.93	14.00
30.0-31.0	499.7	27.8	431.1	0.97	14.96
31.0-32.0	501.3	28.7	459.8	1.00	15.96
32.0-33.0	502.7	29.6	489.5	1.03	16.99
33.0-34.0	503.8	30.5	519.9	1.06	18.05
34.0-35.0	504.6	31.3	551.3	1.09	19.13
35.0-36.0	505.2	32.2	583.5	1.12	20.25

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 1)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	505.5	33.0	616.4	1.14	21.39
37.0-38.0	505.4	33.7	650.2	1.17	22.56
38.0-39.0	505.1	34.5	684.7	1.20	23.76
39.0-40.0	504.9	35.2	719.9	1.22	24.98
40.0-41.0	504.4	35.9	755.8	1.25	26.23
41.0-42.0	503.6	36.6	792.4	1.27	27.50
42.0-43.0	502.7	37.2	829.6	1.29	28.79
43.0-44.0	501.6	37.9	867.5	1.31	30.11
44.0-45.0	500.5	38.5	906.0	1.34	31.44
45.0-46.0	499.3	39.1	945.0	1.36	32.80
46.0-47.0	498.0	39.6	984.6	1.37	34.17
47.0-48.0	497.0	40.2	1024.8	1.39	35.57
48.0-49.0	496.2	40.7	1065.6	1.41	36.98
49.0-50.0	494.8	41.3	1106.8	1.43	38.41
50.0-51.0	493.5	41.8	1148.6	1.45	39.86
51.0-52.0	492.3	42.3	1190.8	1.47	41.33
52.0-53.0	490.5	42.7	1233.5	1.48	42.81
53.0-54.0	488.5	43.1	1276.6	1.49	44.30
54.0-55.0	486.9	43.5	1320.0	1.51	45.81
55.0-56.0	485.5	43.9	1363.9	1.52	47.34
56.0-57.0	483.8	44.2	1408.1	1.54	48.87
57.0-58.0	482.2	44.6	1452.7	1.55	50.42
58.0-59.0	480.9	45.0	1497.7	1.56	51.98
59.0-60.0	479.1	45.3	1543.0	1.57	53.55
60.0-61.0	477.2	45.5	1588.5	1.58	55.13
61.0-62.0	475.9	45.9	1634.4	1.59	56.72
62.0-63.0	474.6	46.2	1680.5	1.60	58.32
63.0-64.0	473.9	46.5	1727.1	1.61	59.94
64.0-65.0	474.2	46.9	1774.0	1.63	61.57
65.0-66.0	475.7	47.5	1821.5	1.65	63.22
66.0-67.0	477.1	48.0	1869.4	1.67	64.88
67.0-68.0	477.5	48.4	1917.8	1.68	66.56
68.0-69.0	475.5	48.5	1966.3	1.68	68.24
69.0-70.0	469.6	48.2	2014.6	1.67	69.92
70.0-71.0	459.3	47.5	2062.0	1.65	71.56
71.0-72.0	443.8	46.1	2108.2	1.60	73.17

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 [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	424.2	44.4	2152.6	1.54	74.71
73.0-74.0	402.9	42.4	2194.9	1.47	76.18
74.0-75.0	380.1	40.2	2235.1	1.39	77.57
75.0-76.0	357.1	37.9	2273.0	1.32	78.89
76.0-77.0	336.2	35.8	2308.8	1.24	80.13
77.0-78.0	318.0	34.0	2342.9	1.18	81.31
78.0-79.0	301.2	32.4	2375.3	1.12	82.44
79.0-80.0	285.0	30.7	2406.0	1.07	83.50
80.0-81.0	269.4	29.1	2435.1	1.01	84.51
81.0-82.0	254.1	27.6	2462.7	0.96	85.47
82.0-83.0	238.9	26.0	2488.7	0.90	86.37
83.0-84.0	224.4	24.4	2513.1	0.85	87.22
84.0-85.0	210.9	23.0	2536.1	0.80	88.02
85.0-86.0	197.0	21.5	2557.7	0.75	88.77
86.0-87.0	182.8	20.0	2577.7	0.69	89.46
87.0-88.0	169.3	18.6	2596.2	0.64	90.10
88.0-89.0	157.1	17.2	2613.4	0.60	90.70
89.0-90.0	146.6	16.1	2629.5	0.56	91.26
90.0-91.0	137.9	15.1	2644.6	0.52	91.78
91.0-92.0	130.2	14.3	2658.9	0.50	92.28
92.0-93.0	123.1	13.5	2672.4	0.47	92.75
93.0-94.0	116.5	12.8	2685.2	0.44	93.19
94.0-95.0	110.3	12.1	2697.2	0.42	93.61
95.0-96.0	104.4	11.4	2708.6	0.40	94.00
96.0-97.0	99.0	10.8	2719.4	0.37	94.38
97.0-98.0	93.9	10.2	2729.6	0.35	94.73
98.0-99.0	89.0	9.7	2739.3	0.34	95.07
99.0-100.0	84.4	9.1	2748.4	0.32	95.39
100.0-101.0	80.2	8.6	2757.0	0.30	95.69
101.0-102.0	76.0	8.2	2765.2	0.28	95.97
102.0-103.0	72.0	7.7	2772.9	0.27	96.24
103.0-104.0	68.3	7.3	2780.2	0.25	96.49
104.0-105.0	64.8	6.9	2787.1	0.24	96.73
105.0-106.0	61.5	6.5	2793.6	0.23	96.95
106.0-107.0	58.3	6.1	2799.7	0.21	97.17
107.0-108.0	55.4	5.8	2805.5	0.20	97.37

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	52.6	5.5	2811.0	0.19	97.56
109.0-110.0	50.0	5.2	2816.1	0.18	97.74
110.0-111.0	47.4	4.9	2821.0	0.17	97.91
111.0-112.0	44.8	4.6	2825.6	0.16	98.06
112.0-113.0	42.2	4.3	2829.9	0.15	98.21
113.0-114.0	39.6	4.0	2833.8	0.14	98.35
114.0-115.0	37.1	3.7	2837.5	0.13	98.48
115.0-116.0	34.8	3.4	2841.0	0.12	98.60
116.0-117.0	32.7	3.2	2844.2	0.11	98.71
117.0-118.0	30.8	3.0	2847.2	0.10	98.81
118.0-119.0	29.0	2.8	2850.0	0.10	98.91
119.0-120.0	27.3	2.6	2852.6	0.09	99.00
120.0-121.0	25.6	2.4	2855.0	0.08	99.09
121.0-122.0	24.0	2.2	2857.3	0.08	99.16
122.0-123.0	22.5	2.1	2859.3	0.07	99.24
123.0-124.0	21.0	1.9	2861.3	0.07	99.30
124.0-125.0	19.6	1.8	2863.0	0.06	99.36
125.0-126.0	18.3	1.6	2864.7	0.06	99.42
126.0-127.0	17.0	1.5	2866.2	0.05	99.47
127.0-128.0	15.8	1.4	2867.5	0.05	99.52
128.0-129.0	14.5	1.2	2868.8	0.04	99.56
129.0-130.0	13.3	1.1	2869.9	0.04	99.60
130.0-131.0	12.1	1.0	2870.9	0.03	99.64
131.0-132.0	11.1	0.9	2871.8	0.03	99.67
132.0-133.0	10.2	0.8	2872.6	0.03	99.70
133.0-134.0	9.3	0.7	2873.4	0.03	99.72
134.0-135.0	8.6	0.7	2874.1	0.02	99.75
135.0-136.0	7.9	0.6	2874.7	0.02	99.77
136.0-137.0	7.3	0.5	2875.2	0.02	99.79
137.0-138.0	6.6	0.5	2875.7	0.02	99.80
138.0-139.0	6.0	0.4	2876.1	0.02	99.82
139.0-140.0	5.5	0.4	2876.5	0.01	99.83
140.0-141.0	5.0	0.4	2876.9	0.01	99.85
141.0-142.0	4.6	0.3	2877.2	0.01	99.86
142.0-143.0	4.3	0.3	2877.5	0.01	99.87
143.0-144.0	4.0	0.3	2877.8	0.01	99.87

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	3.8	0.2	2878.0	0.01	99.88
145.0-146.0	3.7	0.2	2878.2	0.01	99.89
146.0-147.0	3.6	0.2	2878.4	0.01	99.90
147.0-148.0	3.5	0.2	2878.6	0.01	99.91
148.0-149.0	3.4	0.2	2878.8	0.01	99.91
149.0-150.0	3.3	0.2	2879.0	0.01	99.92
150.0-151.0	3.3	0.2	2879.2	0.01	99.93
151.0-152.0	3.2	0.2	2879.4	0.01	99.93
152.0-153.0	3.2	0.2	2879.5	0.01	99.94
153.0-154.0	3.1	0.2	2879.7	0.01	99.94
154.0-155.0	3.0	0.1	2879.8	0.00	99.95
155.0-156.0	3.0	0.1	2880.0	0.00	99.95
156.0-157.0	2.9	0.1	2880.1	0.00	99.96
157.0-158.0	2.8	0.1	2880.2	0.00	99.96
158.0-159.0	2.8	0.1	2880.3	0.00	99.96
159.0-160.0	2.7	0.1	2880.4	0.00	99.97
160.0-161.0	2.7	0.1	2880.5	0.00	99.97
161.0-162.0	2.6	0.1	2880.6	0.00	99.97
162.0-163.0	2.6	0.1	2880.7	0.00	99.98
163.0-164.0	2.6	0.1	2880.8	0.00	99.98
164.0-165.0	2.5	0.1	2880.9	0.00	99.98
165.0-166.0	2.5	0.1	2880.9	0.00	99.98
166.0-167.0	2.4	0.1	2881.0	0.00	99.99
167.0-168.0	2.4	0.1	2881.0	0.00	99.99
168.0-169.0	2.3	0.1	2881.1	0.00	99.99
169.0-170.0	2.3	0.0	2881.1	0.00	99.99
170.0-171.0	2.3	0.0	2881.2	0.00	99.99
171.0-172.0	2.3	0.0	2881.2	0.00	100.00
172.0-173.0	2.2	0.0	2881.3	0.00	100.00
173.0-174.0	2.2	0.0	2881.3	0.00	100.00
174.0-175.0	2.2	0.0	2881.3	0.00	100.00
175.0-176.0	2.3	0.0	2881.3	0.00	100.00
176.0-177.0	2.3	0.0	2881.3	0.00	100.00
177.0-178.0	2.4	0.0	2881.3	0.00	100.00
178.0-179.0	2.4	0.0	2881.4	0.00	100.00
179.0-180.0	2.3	0.0	2881.4	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°): 905.96 lm

%lum = 31.4%

%lamp = 31.4%

cone flux(120°): 1542.96 lm

%lum = 53.5%

%lamp = 53.5%

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