

Report No.:

Test Time: 2018-08-23 09:32

Luminaire Property

Luminaire Manufacturer:

Luminaire Description: SL3-3-80WS-3030

Current: 0.347 A

Power Factor: 0.980

Voltage: 240.9 V

Power: 81.98 W

Photometric Results

IES Classification: Type I

Total Rated Lamp Lumens: 10056.1 lm

Efficiency: 100%

Upward Ratio: 1%

Central Intensity: 2565.78 cd

Pos of Max. Intensity: H225 V63

Longitudinal Classification: Short

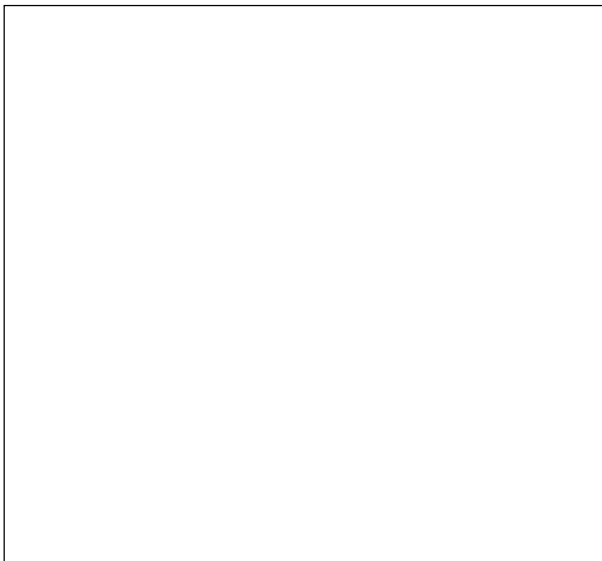
Measurement Flux: 10056.1 lm

Downward Ratio: 99%

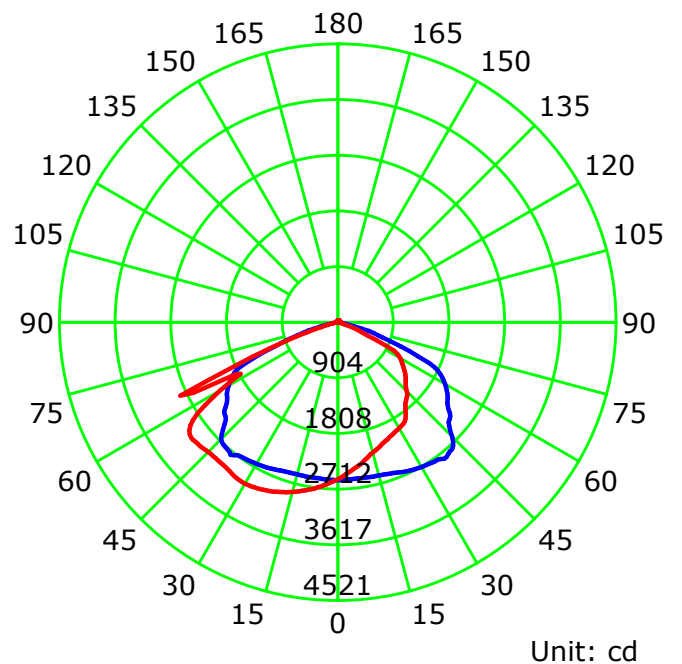
Luminaire Efficacy Rating (LER): 122.72

Max. Intensity: 3617.13 cd

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator: 2018/8/23

Gamma Plane (°):0.0-180.0:1.0

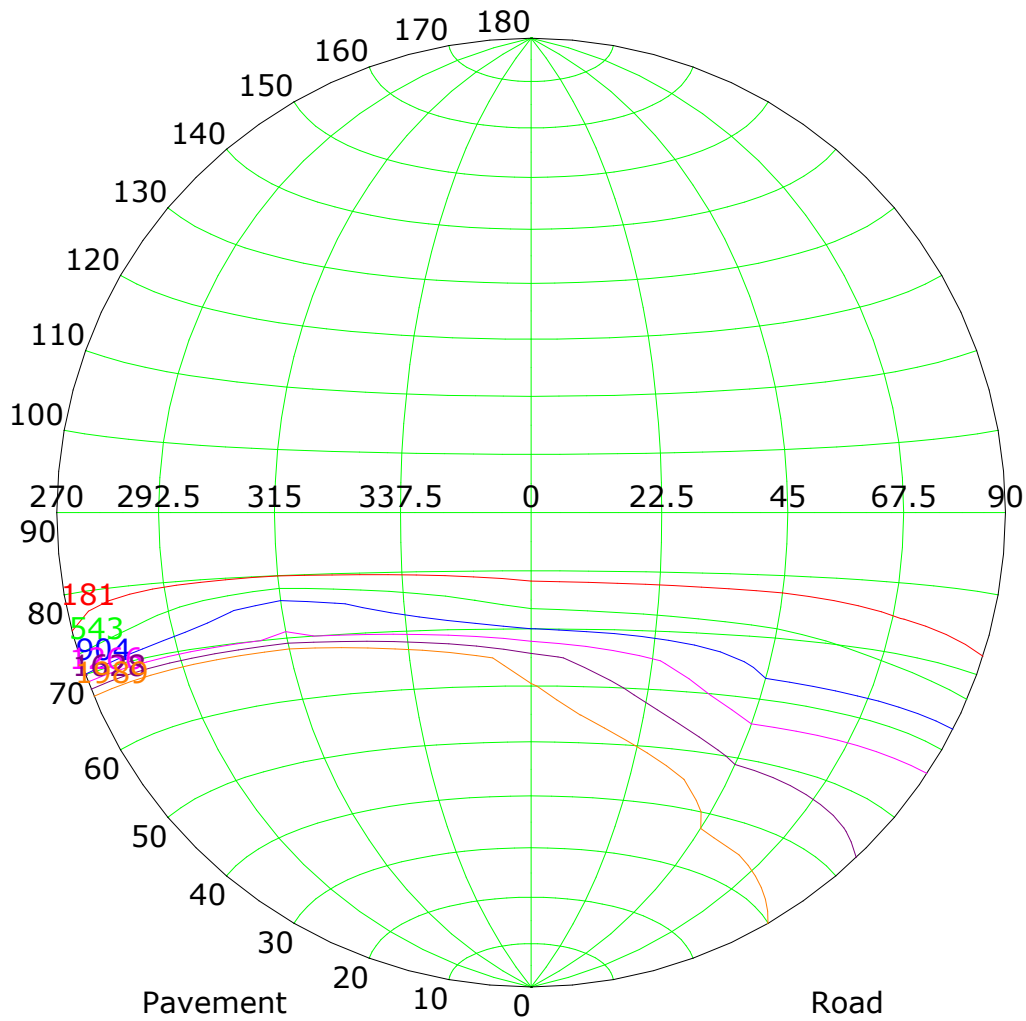
Test Device: GPM-1600L

Distance: 6.549 m

Humidity:

Inspector:

Isocandela (sphere)



Imax (100%): 3617 cd

- | | |
|-------------------|-------------------|
| — (5%): 181 cd | — (15%): 543 cd |
| — (25%): 904 cd | — (35%): 1266 cd |
| — (45%): 1628 cd | — (55%): 1989 cd |

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator: 2018/8/23

Gamma Plane (°):0.0-180.0:1.0

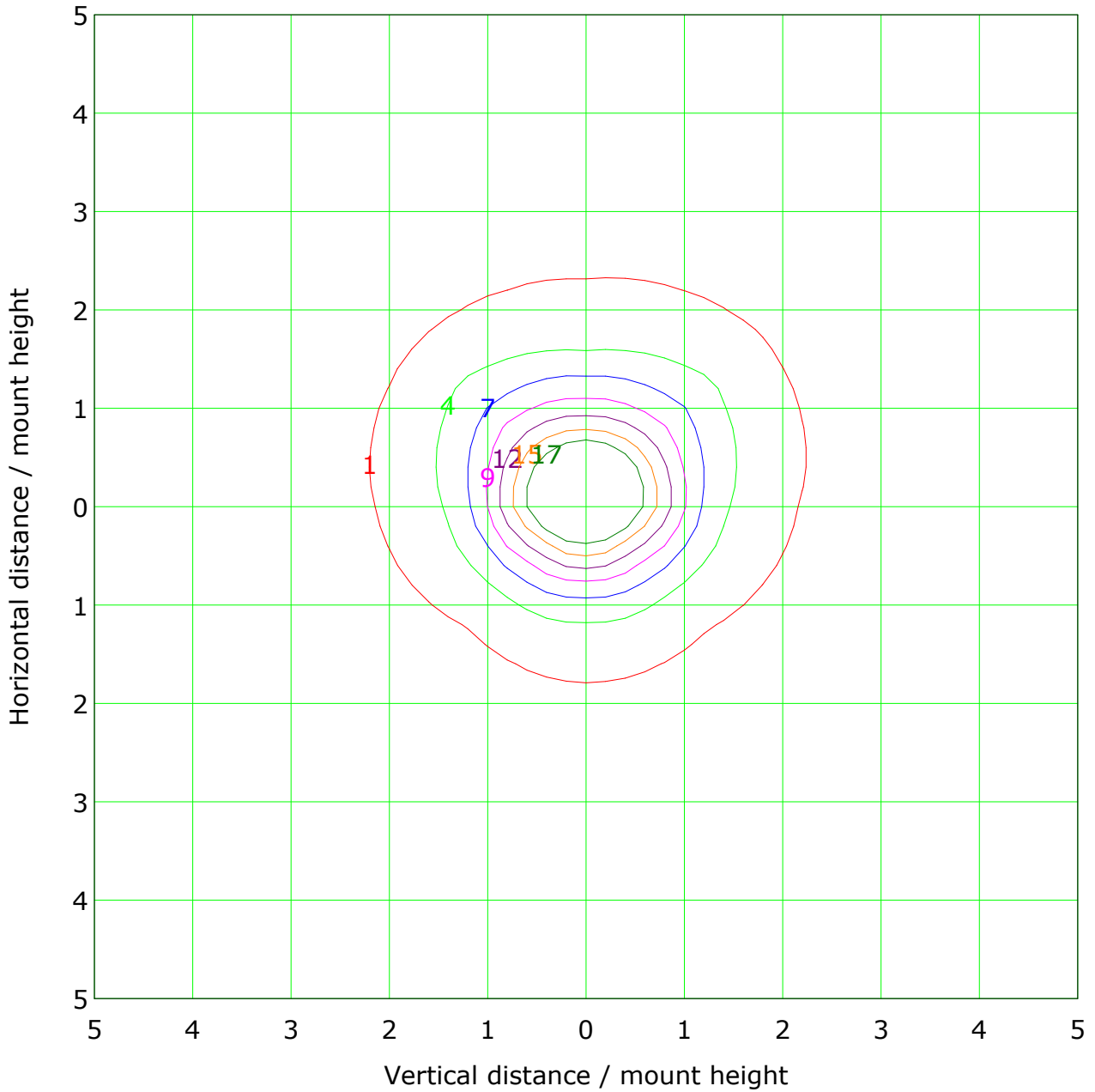
Test Device: GPM-1600L

Distance: 6.549 m

Humidity:

Inspector:

IsoLux Plot



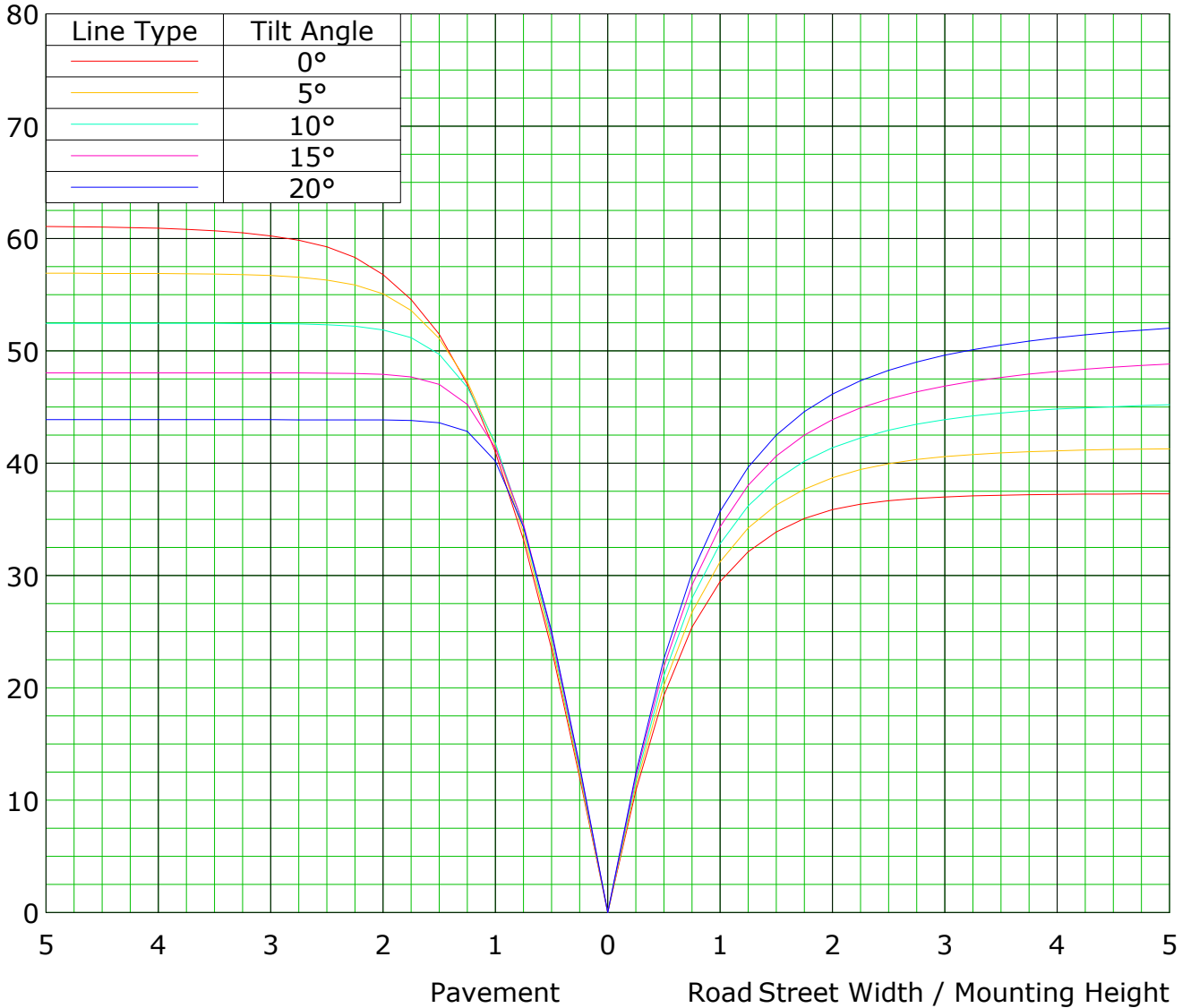
Mounting Height: 10.0m		Max Lux(100%): 26.5 lx	
— (5%):	1.3 lx	— (15%):	4.0 lx
— (25%):	6.6 lx	— (35%):	9.3 lx
— (45%):	11.9 lx	— (55%):	14.5 lx
— (65%):	17.2 lx		

C Plane (°):0.0-360.0: 45.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
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Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 6.549 m
 Humidity:
 Inspector:

Roadway CU Curve

Efficiency(%)



C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator: 2018/8/23

Gamma Plane (°):0.0-180.0:1.0

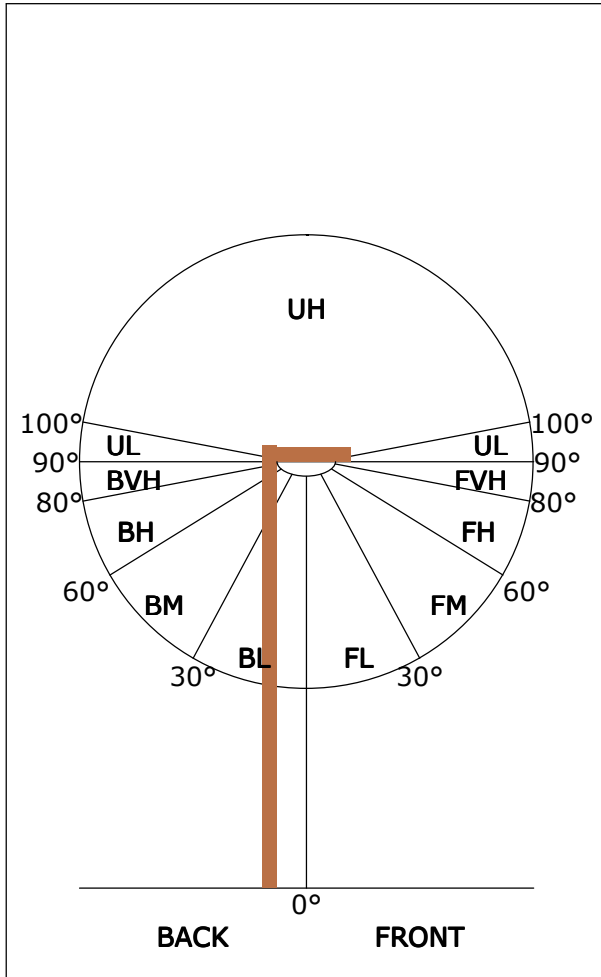
Test Device: GPM-1600L

Distance: 6.549 m

Humidity:

Inspector:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM



ZONE	LUMENS	% LAMP LUMENS
FORWARD LIGHT	3761	37.4
FL (0°-30°)	965	9.6
FM (30°-60°)	2117	21.0
FH (60°-80°)	669	6.7
FVH (80°-90°)	10	0.1
BACK LIGHT	6166	61.3
BL (0°-30°)	1177	11.7
BM (30°-60°)	3430	34.1
BH (60°-80°)	1540	15.3
BVH (80°-90°)	18	0.2
UP LIGHT	129	1.3
UL (90°-100°)	12	0.1
UH (100°-180°)	117	1.2
TRAPPED LIGHT	NA	NA

BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B3 U3 G3
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B3 U3 G1

C Plane (°):0.0-360.0: 45.0
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 Temperature:
 Operator: 2018/8/23

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 6.549 m
 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	2553.8	2.4	2.4	0.02	0.02
1.0-2.0	2552.7	7.3	9.8	0.07	0.10
2.0-3.0	2551.4	12.2	22.0	0.12	0.22
3.0-4.0	2549.7	17.1	39.0	0.17	0.39
4.0-5.0	2547.9	21.9	61.0	0.22	0.61
5.0-6.0	2546.0	26.8	87.7	0.27	0.87
6.0-7.0	2544.3	31.6	119.3	0.31	1.19
7.0-8.0	2543.4	36.4	155.7	0.36	1.55
8.0-9.0	2542.9	41.2	196.9	0.41	1.96
9.0-10.0	2541.9	46.0	242.9	0.46	2.42
10.0-11.0	2540.9	50.8	293.7	0.50	2.92
11.0-12.0	2539.8	55.5	349.2	0.55	3.47
12.0-13.0	2539.1	60.3	409.5	0.60	4.07
13.0-14.0	2538.8	65.0	474.5	0.65	4.72
14.0-15.0	2538.6	69.7	544.2	0.69	5.41
15.0-16.0	2538.6	74.4	618.6	0.74	6.15
16.0-17.0	2538.9	79.1	697.7	0.79	6.94
17.0-18.0	2539.5	83.7	781.4	0.83	7.77
18.0-19.0	2540.1	88.4	869.8	0.88	8.65
19.0-20.0	2540.7	93.0	962.8	0.92	9.57
20.0-21.0	2541.6	97.6	1060.4	0.97	10.54
21.0-22.0	2542.9	102.2	1162.6	1.02	11.56
22.0-23.0	2544.4	106.8	1269.4	1.06	12.62
23.0-24.0	2545.7	111.3	1380.7	1.11	13.73
24.0-25.0	2546.8	115.8	1496.5	1.15	14.88
25.0-26.0	2548.1	120.3	1616.8	1.20	16.08
26.0-27.0	2549.9	124.8	1741.6	1.24	17.32
27.0-28.0	2551.2	129.2	1870.8	1.28	18.60
28.0-29.0	2552.6	133.6	2004.3	1.33	19.93
29.0-30.0	2554.5	137.9	2142.3	1.37	21.30
30.0-31.0	2555.7	142.2	2284.5	1.41	22.72
31.0-32.0	2556.5	146.5	2431.0	1.46	24.17
32.0-33.0	2556.7	150.6	2581.6	1.50	25.67
33.0-34.0	2555.8	154.7	2736.3	1.54	27.21
34.0-35.0	2553.2	158.6	2894.9	1.58	28.79
35.0-36.0	2548.6	162.3	3057.2	1.61	30.40

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Gamma Plane (°):0.0-180.0:1.0
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 Distance: 6.549 m
 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	2544.0	165.9	3223.2	1.65	32.05
37.0-38.0	2542.8	169.7	3392.9	1.69	33.74
38.0-39.0	2542.8	173.6	3566.5	1.73	35.47
39.0-40.0	2538.4	177.1	3743.5	1.76	37.23
40.0-41.0	2535.7	180.6	3924.1	1.80	39.02
41.0-42.0	2535.9	184.3	4108.4	1.83	40.85
42.0-43.0	2533.2	187.7	4296.1	1.87	42.72
43.0-44.0	2523.0	190.5	4486.5	1.89	44.62
44.0-45.0	2502.4	192.3	4678.9	1.91	46.53
45.0-46.0	2475.5	193.6	4872.5	1.93	48.45
46.0-47.0	2447.7	194.7	5067.2	1.94	50.39
47.0-48.0	2422.7	195.9	5263.1	1.95	52.34
48.0-49.0	2403.5	197.4	5460.5	1.96	54.30
49.0-50.0	2390.7	199.4	5659.8	1.98	56.28
50.0-51.0	2380.8	201.5	5861.3	2.00	58.29
51.0-52.0	2369.4	203.3	6064.6	2.02	60.31
52.0-53.0	2353.2	204.7	6269.4	2.04	62.34
53.0-54.0	2330.3	205.4	6474.8	2.04	64.39
54.0-55.0	2301.0	205.4	6680.2	2.04	66.43
55.0-56.0	2265.9	204.8	6885.0	2.04	68.47
56.0-57.0	2227.1	203.7	7088.6	2.03	70.49
57.0-58.0	2185.3	202.1	7290.8	2.01	72.50
58.0-59.0	2139.7	200.1	7490.8	1.99	74.49
59.0-60.0	2096.1	198.1	7688.9	1.97	76.46
60.0-61.0	2054.6	196.1	7885.0	1.95	78.41
61.0-62.0	2008.4	193.6	8078.5	1.92	80.33
62.0-63.0	1971.9	191.8	8270.3	1.91	82.24
63.0-64.0	1979.0	194.2	8464.6	1.93	84.17
64.0-65.0	1975.8	195.6	8660.1	1.94	86.12
65.0-66.0	1863.9	186.0	8846.1	1.85	87.97
66.0-67.0	1660.1	167.0	9013.1	1.66	89.63
67.0-68.0	1435.5	145.4	9158.5	1.45	91.07
68.0-69.0	1209.7	123.4	9281.9	1.23	92.30
69.0-70.0	1003.8	103.1	9385.0	1.03	93.33
70.0-71.0	855.4	88.4	9473.5	0.88	94.21
71.0-72.0	768.5	79.9	9553.4	0.79	95.00

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Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 6.549 m
 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	713.6	74.6	9628.0	0.74	95.74
73.0-74.0	654.9	68.9	9696.9	0.68	96.43
74.0-75.0	567.7	60.0	9756.9	0.60	97.02
75.0-76.0	455.8	48.4	9805.3	0.48	97.51
76.0-77.0	342.0	36.5	9841.7	0.36	97.87
77.0-78.0	243.4	26.1	9867.8	0.26	98.13
78.0-79.0	169.8	18.2	9886.0	0.18	98.31
79.0-80.0	115.5	12.5	9898.5	0.12	98.43
80.0-81.0	78.5	8.5	9907.0	0.08	98.52
81.0-82.0	53.7	5.8	9912.8	0.06	98.57
82.0-83.0	36.2	3.9	9916.7	0.04	98.61
83.0-84.0	25.4	2.8	9919.5	0.03	98.64
84.0-85.0	18.4	2.0	9921.5	0.02	98.66
85.0-86.0	13.9	1.5	9923.0	0.02	98.68
86.0-87.0	11.4	1.3	9924.3	0.01	98.69
87.0-88.0	10.2	1.1	9925.4	0.01	98.70
88.0-89.0	9.3	1.0	9926.4	0.01	98.71
89.0-90.0	9.0	1.0	9927.4	0.01	98.72
90.0-91.0	9.1	1.0	9928.4	0.01	98.73
91.0-92.0	9.4	1.0	9929.4	0.01	98.74
92.0-93.0	9.9	1.1	9930.5	0.01	98.75
93.0-94.0	10.3	1.1	9931.6	0.01	98.76
94.0-95.0	10.6	1.2	9932.8	0.01	98.77
95.0-96.0	10.9	1.2	9934.0	0.01	98.79
96.0-97.0	11.3	1.2	9935.2	0.01	98.80
97.0-98.0	11.8	1.3	9936.5	0.01	98.81
98.0-99.0	12.3	1.3	9937.8	0.01	98.82
99.0-100.0	12.9	1.4	9939.2	0.01	98.84
100.0-101.0	13.4	1.4	9940.7	0.01	98.85
101.0-102.0	13.7	1.5	9942.1	0.01	98.87
102.0-103.0	14.3	1.5	9943.7	0.02	98.88
103.0-104.0	14.6	1.6	9945.2	0.02	98.90
104.0-105.0	14.9	1.6	9946.8	0.02	98.91
105.0-106.0	15.3	1.6	9948.4	0.02	98.93
106.0-107.0	15.6	1.6	9950.1	0.02	98.95
107.0-108.0	16.2	1.7	9951.7	0.02	98.96

C Plane (°):0.0-360.0: 45.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator: 2018/8/23

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 6.549 m
 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	16.7	1.7	9953.5	0.02	98.98
109.0-110.0	17.0	1.8	9955.2	0.02	99.00
110.0-111.0	17.1	1.8	9957.0	0.02	99.01
111.0-112.0	17.3	1.8	9958.8	0.02	99.03
112.0-113.0	17.7	1.8	9960.6	0.02	99.05
113.0-114.0	18.2	1.8	9962.4	0.02	99.07
114.0-115.0	18.6	1.9	9964.2	0.02	99.09
115.0-116.0	19.1	1.9	9966.1	0.02	99.11
116.0-117.0	19.4	1.9	9968.0	0.02	99.12
117.0-118.0	19.6	1.9	9970.0	0.02	99.14
118.0-119.0	19.8	1.9	9971.9	0.02	99.16
119.0-120.0	20.2	1.9	9973.8	0.02	99.18
120.0-121.0	20.3	1.9	9975.7	0.02	99.20
121.0-122.0	20.5	1.9	9977.6	0.02	99.22
122.0-123.0	21.1	1.9	9979.6	0.02	99.24
123.0-124.0	21.6	2.0	9981.5	0.02	99.26
124.0-125.0	21.9	2.0	9983.5	0.02	99.28
125.0-126.0	22.2	2.0	9985.5	0.02	99.30
126.0-127.0	22.3	2.0	9987.5	0.02	99.32
127.0-128.0	22.4	1.9	9989.4	0.02	99.34
128.0-129.0	22.9	2.0	9991.4	0.02	99.36
129.0-130.0	23.3	2.0	9993.3	0.02	99.38
130.0-131.0	23.4	2.0	9995.3	0.02	99.40
131.0-132.0	23.7	1.9	9997.2	0.02	99.41
132.0-133.0	23.9	1.9	9999.2	0.02	99.43
133.0-134.0	24.2	1.9	10001.1	0.02	99.45
134.0-135.0	24.7	1.9	10003.0	0.02	99.47
135.0-136.0	25.0	1.9	10005.0	0.02	99.49
136.0-137.0	25.2	1.9	10006.9	0.02	99.51
137.0-138.0	25.4	1.9	10008.7	0.02	99.53
138.0-139.0	25.6	1.9	10010.6	0.02	99.55
139.0-140.0	26.1	1.9	10012.5	0.02	99.57
140.0-141.0	26.6	1.9	10014.3	0.02	99.58
141.0-142.0	26.8	1.8	10016.2	0.02	99.60
142.0-143.0	27.2	1.8	10018.0	0.02	99.62
143.0-144.0	27.6	1.8	10019.8	0.02	99.64

C Plane (°):0.0-360.0: 45.0
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Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 6.549 m
 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	27.7	1.8	10021.5	0.02	99.66
145.0-146.0	28.2	1.7	10023.3	0.02	99.67
146.0-147.0	28.6	1.7	10025.0	0.02	99.69
147.0-148.0	28.8	1.7	10026.7	0.02	99.71
148.0-149.0	29.1	1.7	10028.4	0.02	99.72
149.0-150.0	29.3	1.6	10030.0	0.02	99.74
150.0-151.0	29.6	1.6	10031.6	0.02	99.76
151.0-152.0	29.7	1.6	10033.2	0.02	99.77
152.0-153.0	29.9	1.5	10034.7	0.02	99.79
153.0-154.0	30.4	1.5	10036.2	0.01	99.80
154.0-155.0	30.6	1.4	10037.6	0.01	99.82
155.0-156.0	30.6	1.4	10039.0	0.01	99.83
156.0-157.0	30.7	1.3	10040.4	0.01	99.84
157.0-158.0	30.8	1.3	10041.6	0.01	99.86
158.0-159.0	31.0	1.2	10042.9	0.01	99.87
159.0-160.0	31.1	1.2	10044.1	0.01	99.88
160.0-161.0	31.1	1.1	10045.2	0.01	99.89
161.0-162.0	31.2	1.1	10046.3	0.01	99.90
162.0-163.0	31.1	1.0	10047.3	0.01	99.91
163.0-164.0	31.3	1.0	10048.3	0.01	99.92
164.0-165.0	31.5	0.9	10049.2	0.01	99.93
165.0-166.0	31.7	0.9	10050.1	0.01	99.94
166.0-167.0	31.9	0.8	10050.9	0.01	99.95
167.0-168.0	31.8	0.8	10051.7	0.01	99.96
168.0-169.0	31.9	0.7	10052.4	0.01	99.96
169.0-170.0	32.2	0.6	10053.0	0.01	99.97
170.0-171.0	32.3	0.6	10053.6	0.01	99.98
171.0-172.0	32.4	0.5	10054.1	0.01	99.98
172.0-173.0	32.3	0.5	10054.6	0.00	99.98
173.0-174.0	32.3	0.4	10055.0	0.00	99.99
174.0-175.0	32.5	0.3	10055.3	0.00	99.99
175.0-176.0	32.6	0.3	10055.6	0.00	100.00
176.0-177.0	32.7	0.2	10055.8	0.00	100.00
177.0-178.0	32.8	0.2	10056.0	0.00	100.00
178.0-179.0	32.9	0.1	10056.1	0.00	100.00
179.0-180.0	32.6	0.0	10056.1	0.00	100.00

C Plane (°):0.0-360.0: 45.0
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 Test Type: TYPE C
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Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
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