

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P198058

Luminaire Tested: **TT-C6-LED-E1-RW-CG-MS/DIM**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198058
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34696)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-C6-LED-E1-RW-CG-MS/DIM
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH CLEAR GLASS LENS AND DIMMING OCCUPANCY
SENSOR
Light Source: (160) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8969.1 lumens
Efficiency: N/A
Efficacy: 83.0 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G3

Input Watts (W): 108
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



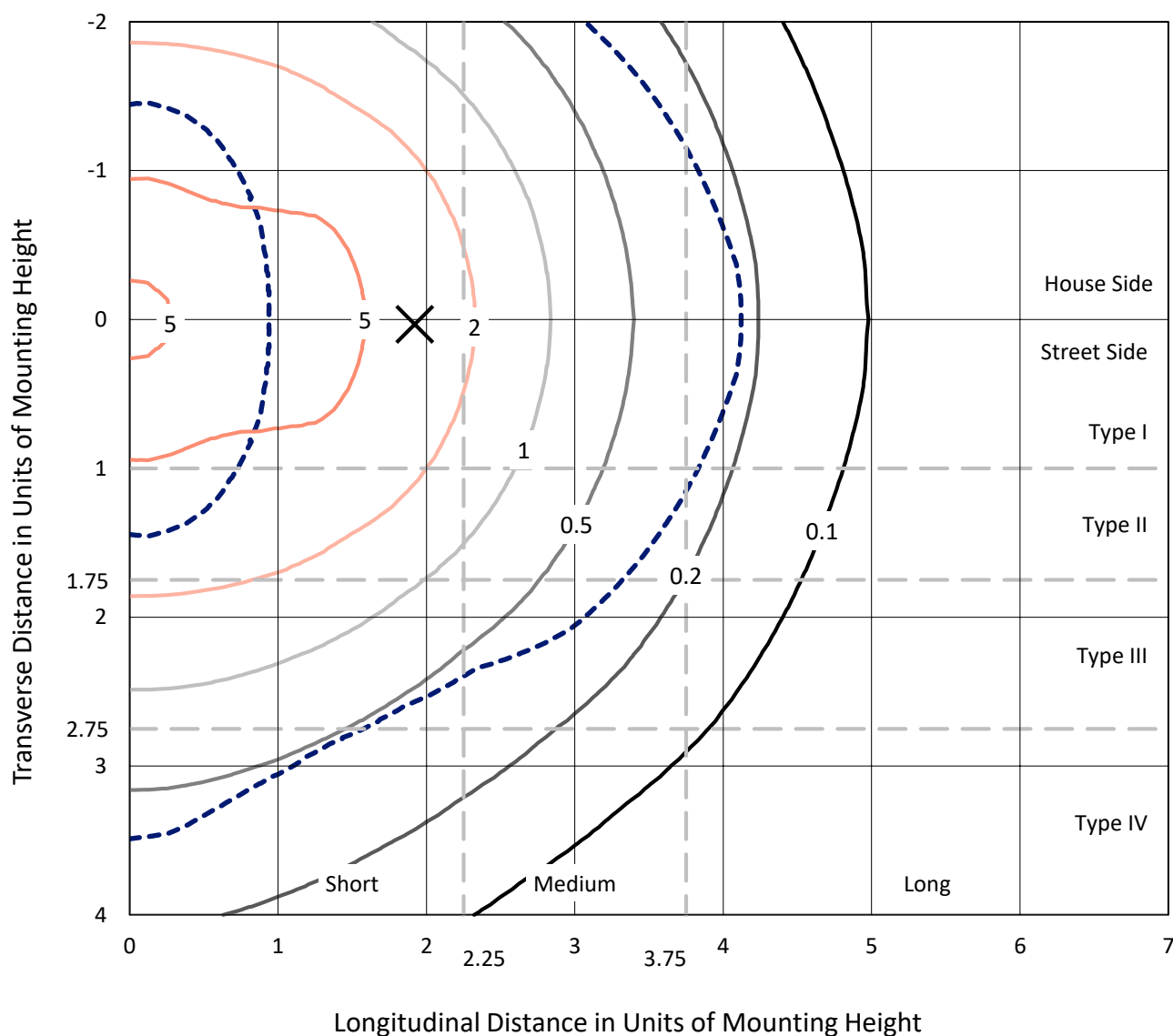
REPORT NUMBER: P198058

CATALOG NUMBER: TT-C6-LED-E1-RW-CG-MS/DIM

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

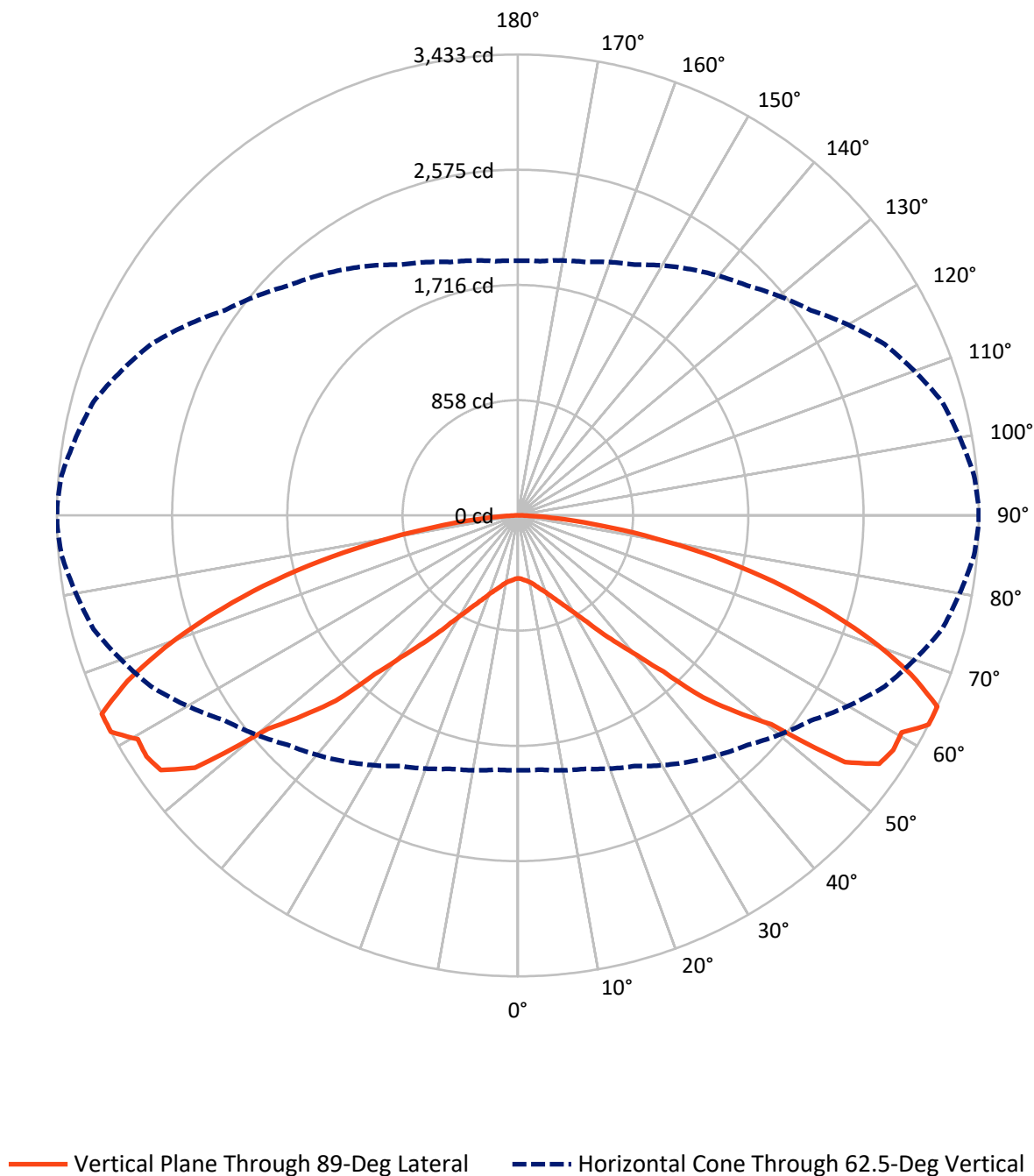


Based on 10 foot mounting height. Maximum calculated value = 6.9 fc
 Type IV - Short - Semi-Cutoff

REPORT NUMBER: P198058

CATALOG NUMBER: TT-C6-LED-E1-RW-CG-MS/DIM

Luminous Intensity Polar Plot



REPORT NUMBER: P198058

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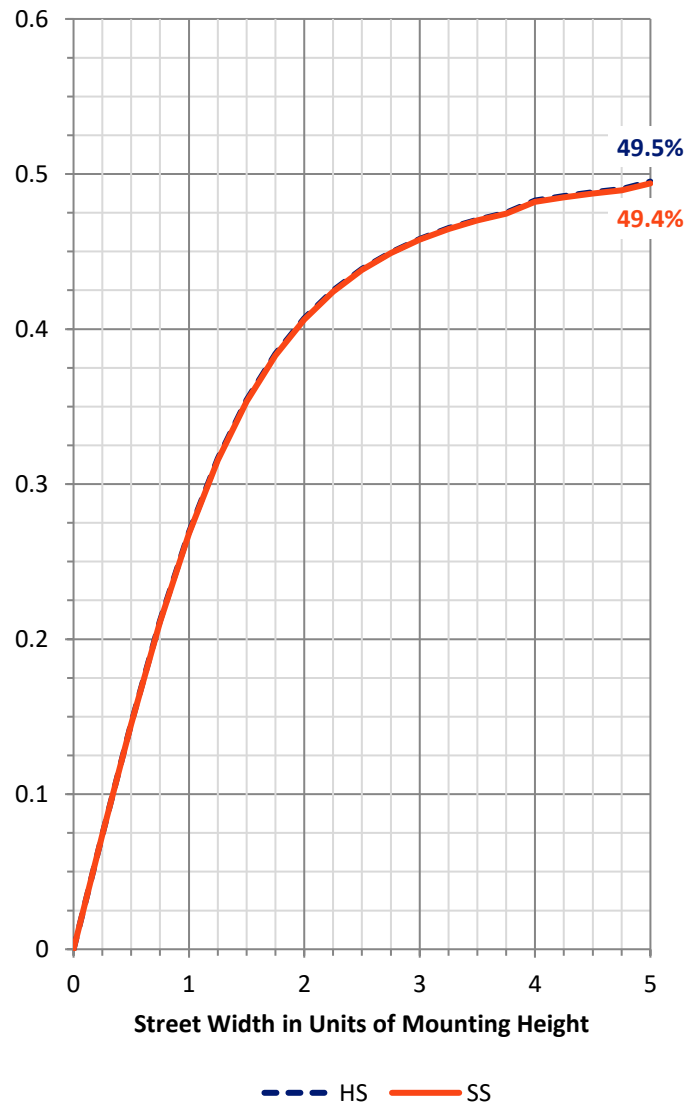
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4484.5	0.0	4484.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4484.5	0.0	4484.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	8969.1	0.0	8969.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.8	0.5
10°-20°	159.6	1.8
20°-30°	339.5	3.8
30°-40°	652.3	7.3
40°-50°	1207.8	13.5
50°-60°	2040.3	22.7
60°-70°	2464.2	27.5
70°-80°	1696.6	18.9
80°-90°	362.0	4.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	8969.1	100.0
0°-180°	8969.1	100.0

Coefficient of Utilization



REPORT NUMBER: P198058

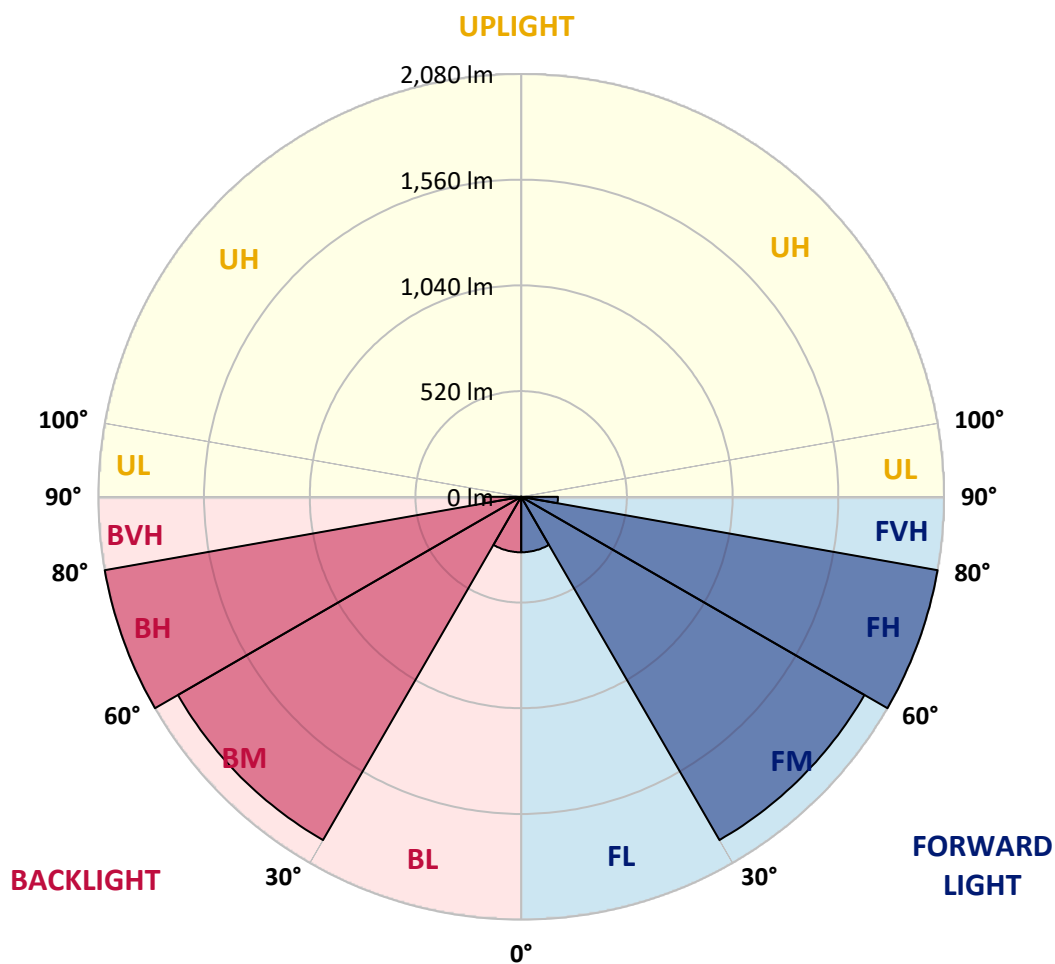
CATALOG NUMBER: TT-C6-LED-E1-RW-CG-MS/DIM

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	273.0	3.0			
FM	(30°-60°)	1950.2	21.7			
FH	(60°-80°)	2080.4	23.2			G2/5000
FVH	(80°-90°)	181.0	2.0			G2/225
BL	(0°-30°)	273.0	3.0	B1/500		
BM	(30°-60°)	1950.2	21.7	B2/2500		
BH	(60°-80°)	2080.4	23.2	B3/2500		G3/2500
BVH	(80°-90°)	181.0	2.0			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type IV Short



REPORT NUMBER: P198058

CATALOG NUMBER: TT-C6-LED-E1-RW-CG-MS/DIM

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	468.8	468.8	468.8	468.8	468.8	468.8	468.8	468.8	468.8	468.8	468.8
2.5°	472.8	472.8	472.8	472.8	474.7	474.7	474.7	474.7	474.7	474.7	472.8
5°	480.6	478.6	480.6	482.6	482.6	484.5	484.5	484.5	484.5	482.6	482.6
7.5°	490.4	490.4	492.4	494.3	496.3	494.3	494.3	492.4	492.4	492.4	492.4
10°	508.1	506.1	508.1	510.0	508.1	508.1	508.1	508.1	508.1	508.1	506.1
12.5°	527.7	527.7	527.7	527.7	525.7	527.7	525.7	527.7	527.7	527.7	525.7
15°	555.1	555.1	555.1	553.2	551.2	551.2	551.2	551.2	551.2	551.2	553.2
17.5°	592.4	590.5	588.5	584.6	582.6	580.6	580.6	580.6	582.6	582.6	582.6
20°	635.6	631.6	627.7	625.8	623.8	619.9	617.9	619.9	621.8	621.8	616.0
22.5°	688.5	682.6	676.8	674.8	667.0	665.0	663.0	661.1	661.1	663.0	661.1
25°	737.6	739.5	733.7	723.8	721.9	718.0	712.1	714.0	712.1	714.0	712.1
27.5°	798.4	802.3	796.4	786.6	780.7	774.8	770.9	770.9	772.9	778.8	772.9
30°	867.0	869.0	863.1	855.3	845.5	837.6	835.7	845.5	845.5	853.3	849.4
32.5°	939.6	937.7	929.8	927.9	916.1	916.1	918.0	925.9	939.6	945.5	943.5
35°	1027.9	1016.1	1014.2	1006.3	996.5	996.5	1008.3	1027.9	1053.4	1069.1	1071.1
37.5°	1108.3	1104.4	1102.4	1090.7	1084.8	1096.6	1120.1	1155.4	1177.0	1208.4	1208.4
40°	1190.7	1200.5	1190.7	1178.9	1184.8	1202.5	1241.7	1286.8	1335.9	1369.2	1369.2
42.5°	1271.1	1288.8	1279.0	1269.2	1284.9	1326.1	1375.1	1451.6	1549.7	1592.8	1590.9
45°	1357.5	1371.2	1361.4	1363.3	1396.7	1447.7	1541.8	1706.6	1843.9	1932.2	1934.2
47.5°	1451.6	1453.6	1447.7	1457.5	1506.5	1604.6	1732.1	1934.2	2069.5	2175.5	2183.3
50°	1545.8	1536.0	1534.0	1557.5	1645.8	1769.4	1951.8	2148.0	2361.8	2440.3	2446.2
52.5°	1630.1	1618.3	1626.2	1665.4	1781.2	1934.2	2161.7	2495.2	2805.1	3036.6	3052.3
55°	1710.5	1696.8	1716.4	1779.2	1932.2	2138.2	2422.6	2838.5	3101.3	3252.4	3266.1
57.5°	1779.2	1775.3	1806.7	1885.1	2073.4	2324.5	2636.4	2975.8	3170.0	3283.8	3297.5
60°	1847.9	1847.9	1889.1	1991.1	2201.0	2430.5	2677.6	2973.8	3173.9	3270.0	3283.8
62.5°	1896.9	1900.8	1953.8	2059.7	2238.2	2418.7	2663.9	3015.0	3272.0	3411.3	3432.9
65°	1924.4	1932.2	1989.1	2059.7	2222.5	2406.9	2752.2	3048.4	3260.2	3407.4	3432.9
67.5°	1928.3	1944.0	1971.4	2024.4	2161.7	2318.7	2610.9	2852.2	3028.8	3140.6	3158.2
70°	1910.6	1904.7	1902.8	1916.5	1985.2	2098.9	2355.9	2546.2	2720.8	2791.4	2805.1
72.5°	1822.4	1820.4	1751.7	1708.6	1726.2	1804.7	2032.3	2179.4	2293.2	2383.4	2393.2
75°	1645.8	1630.1	1516.3	1428.1	1410.4	1481.0	1651.7	1759.6	1861.6	1945.9	1967.5
77.5°	1373.1	1333.9	1218.2	1114.2	1080.9	1133.8	1261.3	1335.9	1410.4	1508.5	1508.5
80°	996.5	976.9	876.9	792.5	759.2	790.5	880.8	912.2	951.4	1039.7	1041.6
82.5°	643.4	621.8	555.1	502.2	472.8	492.4	529.6	543.4	576.7	629.7	627.7
85°	313.9	313.9	280.5	251.1	223.6	227.5	251.1	258.9	286.4	300.1	296.2
87.5°	78.5	86.3	76.5	70.6	62.8	62.8	70.6	70.6	86.3	86.3	82.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P198058

CATALOG NUMBER: TT-C6-LED-E1-RW-CG-MS/DIM

CANDELA DISTRIBUTION (continued):

	90°
0°	468.8
2.5°	472.8
5°	482.6
7.5°	492.4
10°	506.1
12.5°	527.7
15°	551.2
17.5°	584.6
20°	621.8
22.5°	661.1
25°	712.1
27.5°	778.8
30°	853.3
32.5°	941.6
35°	1063.2
37.5°	1208.4
40°	1371.2
42.5°	1592.8
45°	1938.1
47.5°	2175.5
50°	2440.3
52.5°	3042.5
55°	3264.2
57.5°	3299.5
60°	3287.7
62.5°	3432.9
65°	3428.9
67.5°	3154.3
70°	2811.0
72.5°	2408.9
75°	1975.4
77.5°	1498.7
80°	1082.8
82.5°	631.6
85°	300.1
87.5°	90.2
90°	0.0

(END OF REPORT)