

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: P197915

Luminaire Tested: **TT-C6-LED-E1-WQ-SG-MS/DIM-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197915
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P115558)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-C6-LED-E1-WQ-SG-MS/DIM-7050
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
WIDE DISTRIBUTION WITH SOFTENING GLASS LENS AND DIMMING OCCUPANCY SENSOR
Light Source: (160) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10386.4 lumens
Efficiency: N/A
Efficacy: 96.2 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B3 - U0 - G2

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



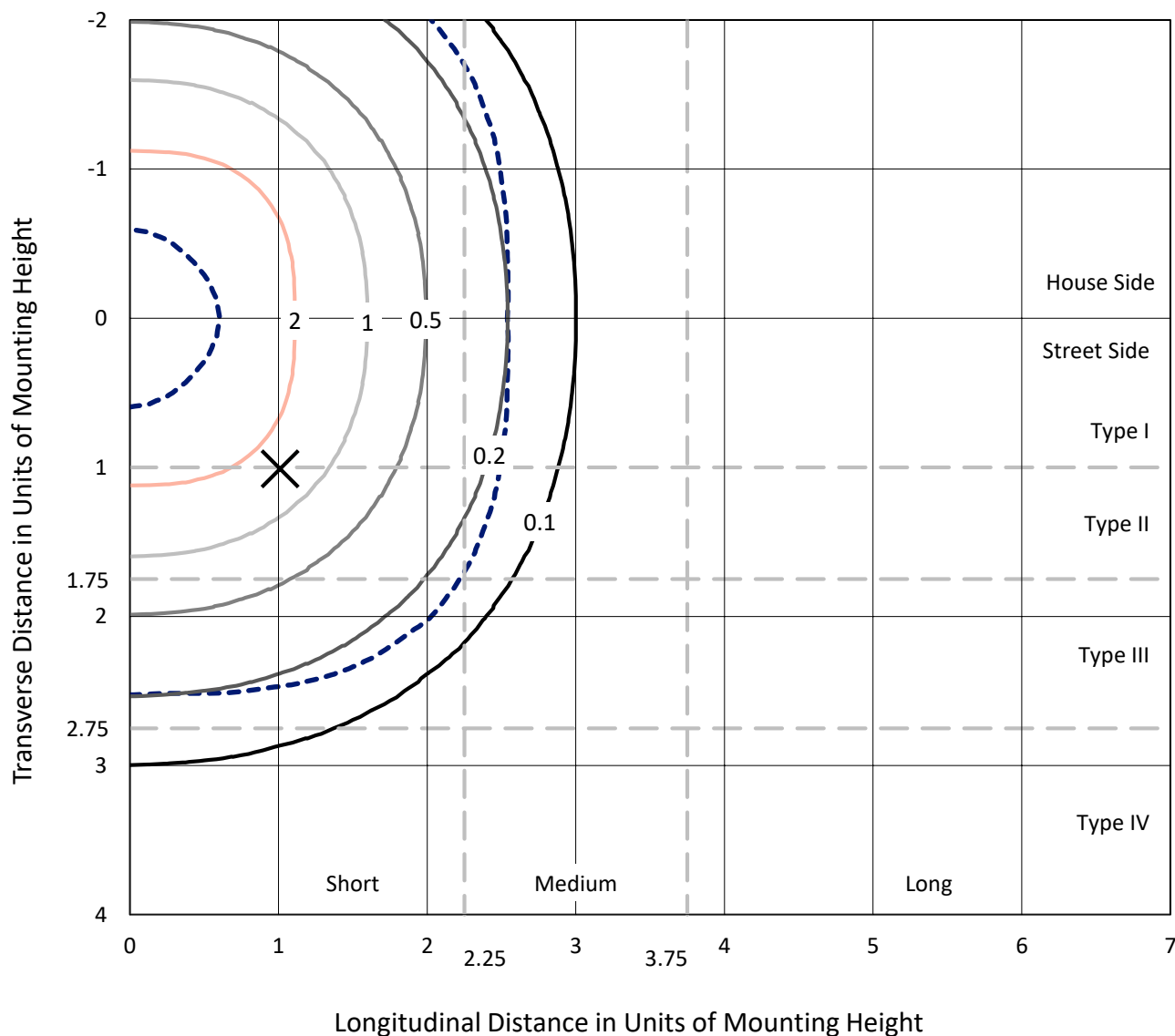
REPORT NUMBER: P197915

CATALOG NUMBER: TT-C6-LED-E1-WQ-SG-MS/DIM-7050

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

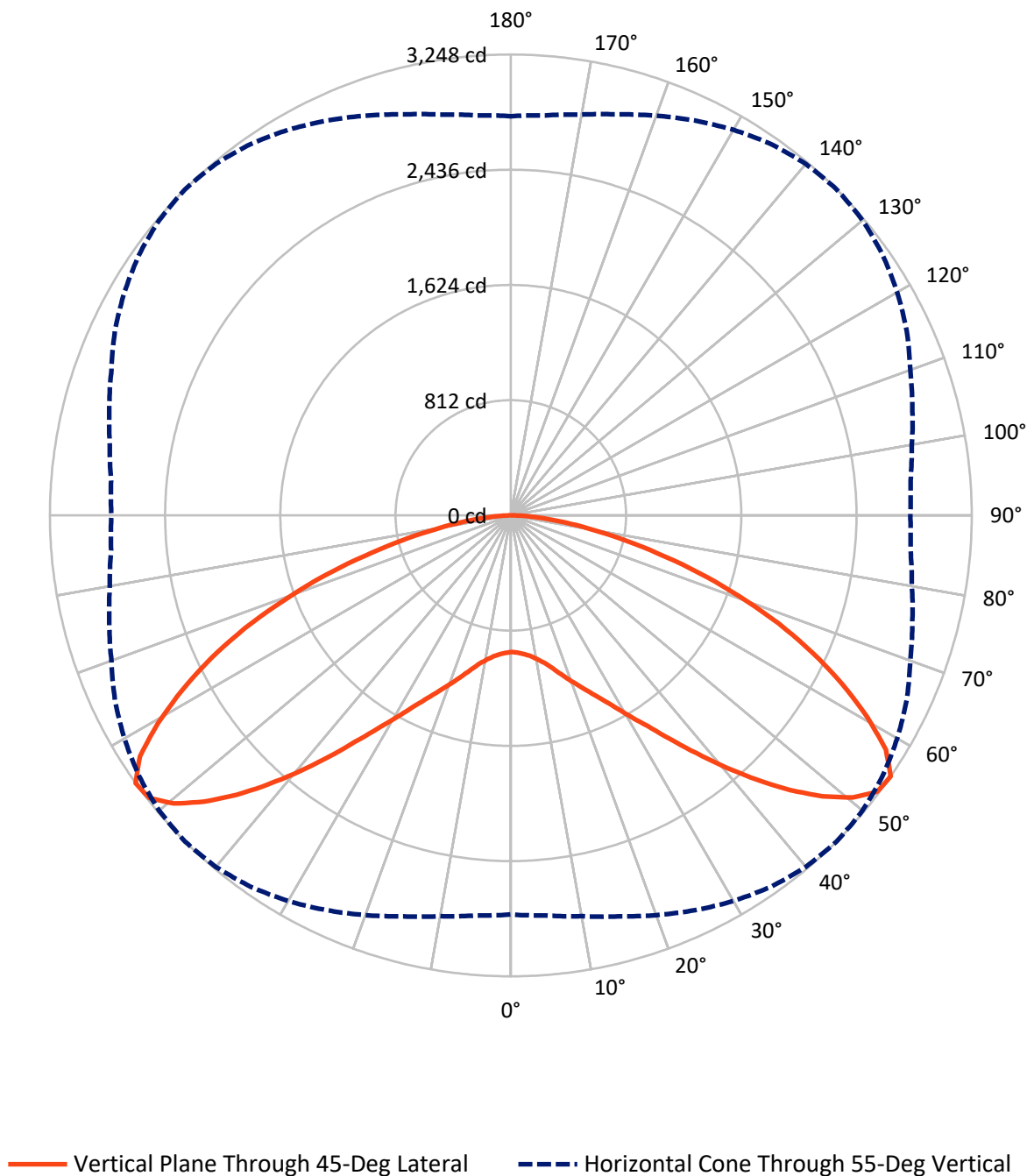


Based on 20 foot mounting height. Maximum calculated value = 2.7 fc
 Type V - Short - Full Cutoff

REPORT NUMBER: P197915

CATALOG NUMBER: TT-C6-LED-E1-WQ-SG-MS/DIM-7050

Luminous Intensity Polar Plot



REPORT NUMBER: P197915

CATALOG NUMBER: TT-C6-LED-E1-WQ-SG-MS/DIM-7050

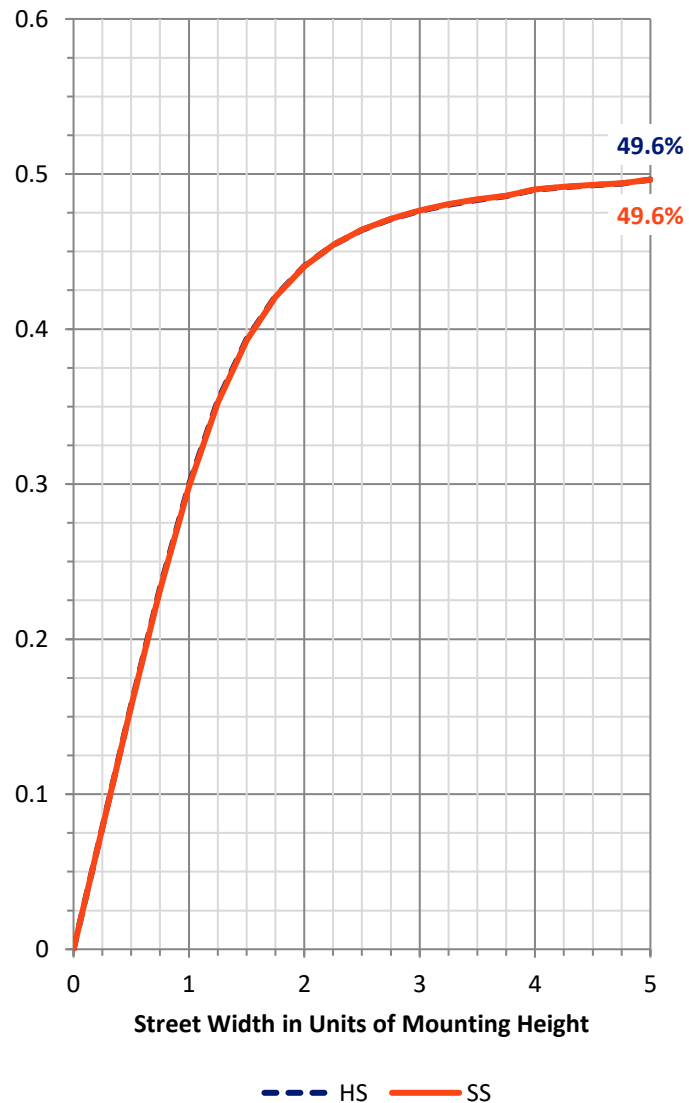
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5193.2	0.0	5193.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5193.2	0.0	5193.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	10386.4	0.0	10386.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.1	0.9
10°-20°	322.4	3.1
20°-30°	656.6	6.3
30°-40°	1199.0	11.5
40°-50°	2035.9	19.6
50°-60°	2651.3	25.5
60°-70°	2144.3	20.6
70°-80°	1053.7	10.1
80°-90°	228.1	2.2
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°	10386.4	100.0
0°-180°	10386.4	100.0

Coefficient of Utilization



REPORT NUMBER: P197915

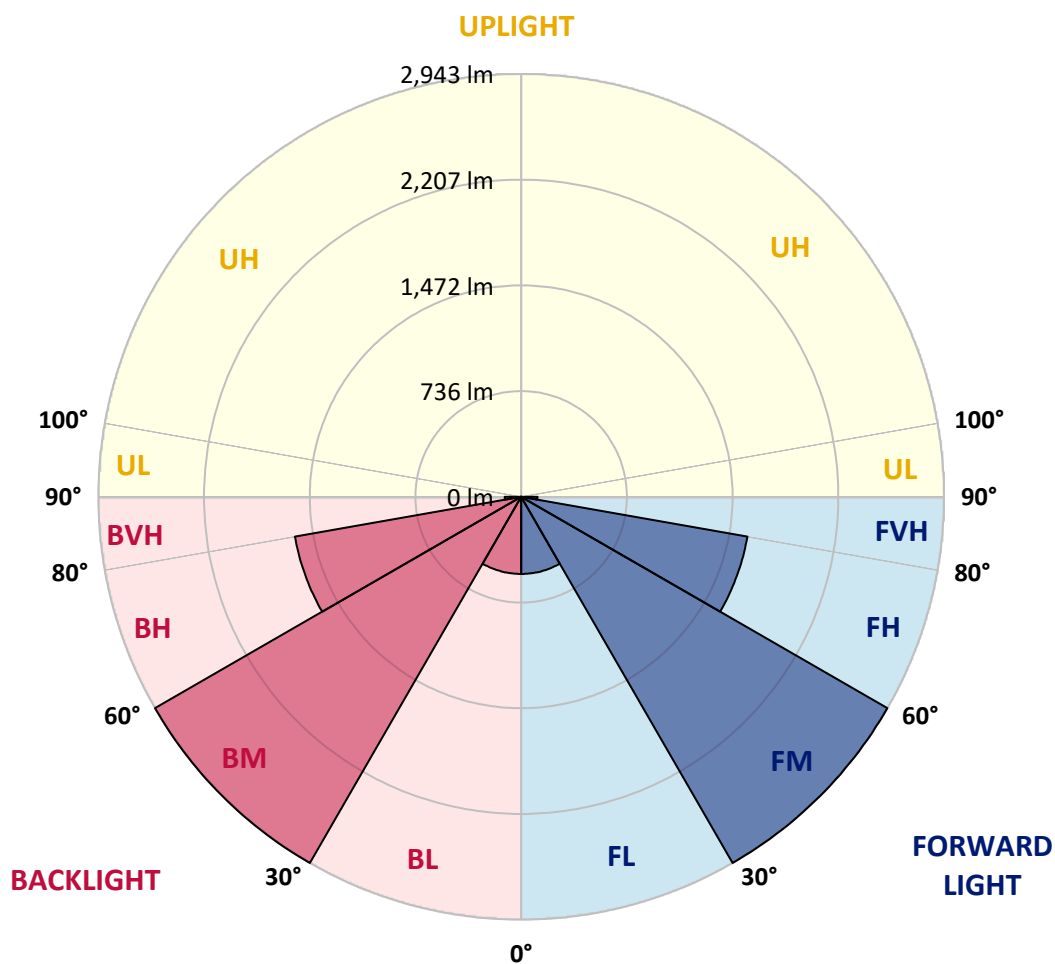
CATALOG NUMBER: TT-C6-LED-E1-WQ-SG-MS/DIM-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	537.0	5.2			
FM	(30°-60°)	2943.1	28.3			
FH	(60°-80°)	1599.0	15.4			G1/1800
FVH	(80°-90°)	114.0	1.1			G2/225
BL	(0°-30°)	537.0	5.2	B2/1000		
BM	(30°-60°)	2943.1	28.3	B3/5000		
BH	(60°-80°)	1599.0	15.4	B3/2500		G1/1800
BVH	(80°-90°)	114.0	1.1			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short



REPORT NUMBER: P197915

CATALOG NUMBER: TT-C6-LED-E1-WQ-SG-MS/DIM-7050

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	962.4	962.4	962.4	962.4	962.4	962.4	962.4	962.4	962.4	962.4	962.4
2.5°	966.5	966.5	966.5	966.5	966.5	966.5	968.7	968.7	968.7	968.7	968.7
5°	979.4	979.4	979.4	981.5	981.5	981.5	981.5	981.5	981.5	981.5	981.5
7.5°	998.5	996.3	998.5	998.5	998.5	1000.7	1000.7	998.5	1000.7	1000.7	1000.7
10°	1026.1	1023.9	1026.1	1026.1	1026.1	1028.3	1028.3	1028.3	1028.3	1030.4	1030.4
12.5°	1066.5	1064.3	1066.5	1068.7	1066.5	1068.7	1068.7	1068.7	1068.7	1068.7	1068.7
15°	1117.6	1115.4	1117.6	1119.5	1117.6	1121.7	1121.7	1119.5	1119.5	1121.7	1121.7
17.5°	1179.1	1174.9	1176.9	1179.1	1179.1	1183.4	1183.4	1181.2	1183.4	1185.4	1183.4
20°	1242.7	1238.6	1240.8	1247.1	1247.1	1249.3	1253.4	1251.4	1253.4	1255.6	1253.4
22.5°	1312.9	1310.8	1312.9	1319.2	1319.2	1321.4	1327.7	1327.7	1327.7	1329.9	1327.7
25°	1389.4	1387.2	1389.4	1395.7	1395.7	1400.1	1408.5	1408.5	1410.7	1412.9	1410.7
27.5°	1478.7	1476.5	1480.7	1487.2	1489.4	1495.7	1506.3	1508.5	1510.4	1512.6	1508.5
30°	1582.8	1578.5	1584.8	1595.4	1599.8	1608.2	1621.1	1625.2	1627.4	1633.7	1629.5
32.5°	1701.7	1697.5	1706.0	1718.6	1725.1	1737.7	1754.9	1759.0	1765.3	1769.7	1763.4
35°	1841.8	1839.9	1848.3	1867.5	1878.1	1892.9	1916.4	1922.7	1927.0	1935.5	1927.0
37.5°	1997.0	1994.8	2009.8	2031.1	2050.2	2073.5	2098.9	2109.5	2116.1	2126.7	2116.1
40°	2169.1	2166.9	2186.0	2211.7	2234.9	2264.7	2296.6	2311.4	2324.2	2334.9	2322.1
42.5°	2345.5	2345.5	2368.8	2396.4	2430.5	2466.6	2502.6	2519.6	2540.9	2547.2	2532.4
45°	2515.5	2517.4	2540.9	2574.8	2623.7	2670.4	2710.8	2732.1	2755.4	2761.9	2742.8
47.5°	2676.9	2679.1	2700.2	2744.9	2800.1	2853.1	2902.0	2931.8	2955.1	2957.2	2942.5
50°	2808.6	2817.1	2844.7	2885.1	2942.5	2997.6	3057.2	3095.4	3118.7	3125.2	3110.2
52.5°	2859.7	2874.4	2906.4	2957.2	3023.1	3080.4	3146.3	3195.2	3222.8	3233.4	3220.8
55°	2812.7	2829.9	2868.1	2925.5	2997.6	3069.8	3137.8	3195.2	3233.4	3248.4	3235.6
57.5°	2708.6	2710.8	2749.1	2806.4	2872.3	2946.6	3012.4	3065.7	3101.7	3116.7	3114.6
60°	2528.1	2528.1	2564.4	2619.5	2670.4	2746.9	2802.3	2842.5	2868.1	2885.1	2880.7
62.5°	2286.0	2286.0	2317.7	2375.1	2426.1	2492.0	2545.2	2587.6	2604.6	2623.7	2628.0
65°	2016.1	2016.1	2045.9	2103.2	2150.0	2209.5	2260.3	2300.8	2317.7	2341.2	2336.8
67.5°	1729.3	1727.3	1754.9	1803.6	1848.3	1903.5	1952.4	1990.7	2009.8	2037.4	2018.3
70°	1434.0	1434.0	1457.4	1495.7	1527.4	1582.8	1629.5	1667.8	1682.5	1706.0	1695.4
72.5°	1153.6	1151.5	1170.6	1200.4	1225.8	1274.7	1302.3	1344.9	1357.5	1389.4	1372.5
75°	900.7	896.6	911.4	932.6	949.6	981.5	1002.8	1036.7	1047.4	1068.7	1060.2
77.5°	677.8	675.6	681.9	696.9	709.5	735.1	743.6	760.5	769.0	790.3	773.4
80°	486.5	480.2	486.5	495.0	499.4	518.5	520.4	527.0	531.1	546.1	528.9
82.5°	327.3	318.8	322.9	329.2	329.2	339.9	342.0	339.9	348.3	352.7	344.2
85°	186.9	180.6	182.7	186.9	184.9	191.2	191.2	189.1	195.4	195.4	191.2
87.5°	61.7	57.4	59.5	61.7	61.7	63.7	65.8	63.7	68.0	68.0	63.7
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: P197915

CATALOG NUMBER: TT-C6-LED-E1-WQ-SG-MS/DIM-7050

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	962.4	962.4	962.4	962.4	962.4	962.4	962.4	962.4
2.5°	968.7	968.7	968.7	968.7	968.7	968.7	968.7	968.7
5°	981.5	981.5	981.5	981.5	981.5	979.4	979.4	979.4
7.5°	1000.7	1000.7	1000.7	1000.7	1000.7	998.5	998.5	998.5
10°	1030.4	1028.3	1028.3	1028.3	1028.3	1026.1	1028.3	1026.1
12.5°	1068.7	1070.6	1070.6	1068.7	1070.6	1066.5	1066.5	1066.5
15°	1121.7	1119.5	1119.5	1119.5	1119.5	1117.6	1117.6	1117.6
17.5°	1181.2	1181.2	1179.1	1179.1	1176.9	1174.9	1174.9	1174.9
20°	1251.4	1249.3	1247.1	1244.9	1242.7	1238.6	1236.4	1236.4
22.5°	1323.6	1321.4	1319.2	1317.3	1315.1	1310.8	1306.6	1306.6
25°	1404.2	1400.1	1397.9	1393.8	1389.4	1385.1	1383.1	1380.9
27.5°	1502.0	1497.8	1491.3	1485.0	1476.5	1474.4	1470.2	1470.2
30°	1618.9	1612.6	1603.9	1593.5	1584.8	1576.3	1572.2	1570.0
32.5°	1754.9	1746.4	1731.4	1718.6	1703.8	1695.4	1689.1	1684.7
35°	1914.2	1901.4	1884.4	1865.3	1846.2	1831.4	1820.8	1820.8
37.5°	2101.1	2081.9	2056.5	2033.1	2005.5	1988.5	1975.7	1967.2
40°	2305.1	2277.5	2245.6	2215.8	2184.1	2160.6	2141.5	2143.7
42.5°	2507.0	2483.5	2445.3	2409.2	2368.8	2336.8	2313.6	2311.4
45°	2719.3	2689.5	2642.8	2596.1	2549.4	2511.1	2483.5	2479.2
47.5°	2916.8	2885.1	2829.9	2772.5	2721.5	2679.1	2649.3	2645.0
50°	3078.5	3040.2	2982.9	2921.2	2866.0	2819.2	2787.3	2778.8
52.5°	3182.6	3140.0	3078.5	3003.9	2944.6	2891.4	2853.1	2842.5
55°	3199.5	3144.3	3078.5	2995.5	2929.6	2870.1	2827.7	2814.9
57.5°	3082.6	3023.1	2963.7	2891.4	2825.5	2761.9	2727.8	2710.8
60°	2855.3	2808.6	2759.7	2693.9	2640.8	2581.3	2553.7	2545.2
62.5°	2593.9	2553.7	2508.9	2441.1	2396.4	2343.4	2317.7	2307.3
65°	2313.6	2266.9	2224.3	2169.1	2120.2	2075.6	2039.6	2035.2
67.5°	2003.3	1954.6	1918.3	1869.6	1820.8	1778.2	1754.9	1742.1
70°	1676.2	1635.8	1599.8	1546.5	1514.8	1474.4	1457.4	1444.6
72.5°	1351.2	1327.7	1283.2	1249.3	1213.2	1181.2	1170.6	1157.8
75°	1045.2	1017.6	983.7	962.4	934.8	917.9	909.2	900.7
77.5°	766.8	743.6	724.5	716.0	703.2	686.2	679.9	673.4
80°	531.1	520.4	507.8	505.7	497.2	484.4	482.2	480.2
82.5°	344.2	337.9	333.6	333.6	329.2	320.7	318.8	318.8
85°	191.2	189.1	191.2	189.1	184.9	180.6	180.6	180.6
87.5°	63.7	63.7	65.8	68.0	61.7	61.7	59.5	59.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)