

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: P198151

Luminaire Tested: **TT-C5-LED-E1-RW-SG-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198151
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34699)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-C5-LED-E1-RW-SG-7050
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH SOFTENING GLASS LENS
Light Source: (160) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7306.6 lumens
Efficiency: N/A
Efficacy: 94.9 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type III - Short - Full Cutoff
BUG Rating: B3 - U0 - G3

Input Watts (W): 77
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



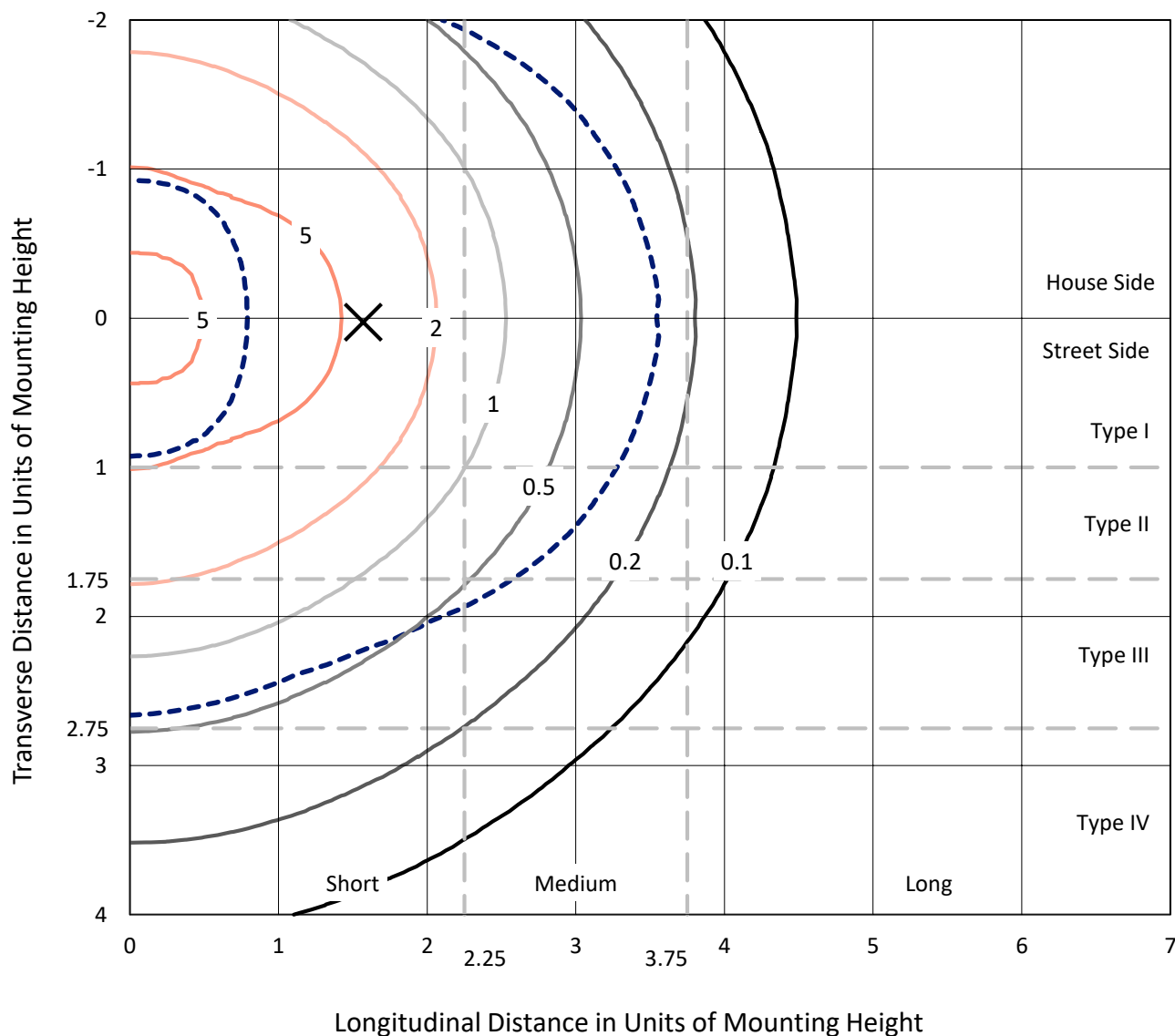
REPORT NUMBER: P198151

CATALOG NUMBER: TT-C5-LED-E1-RW-SG-7050

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

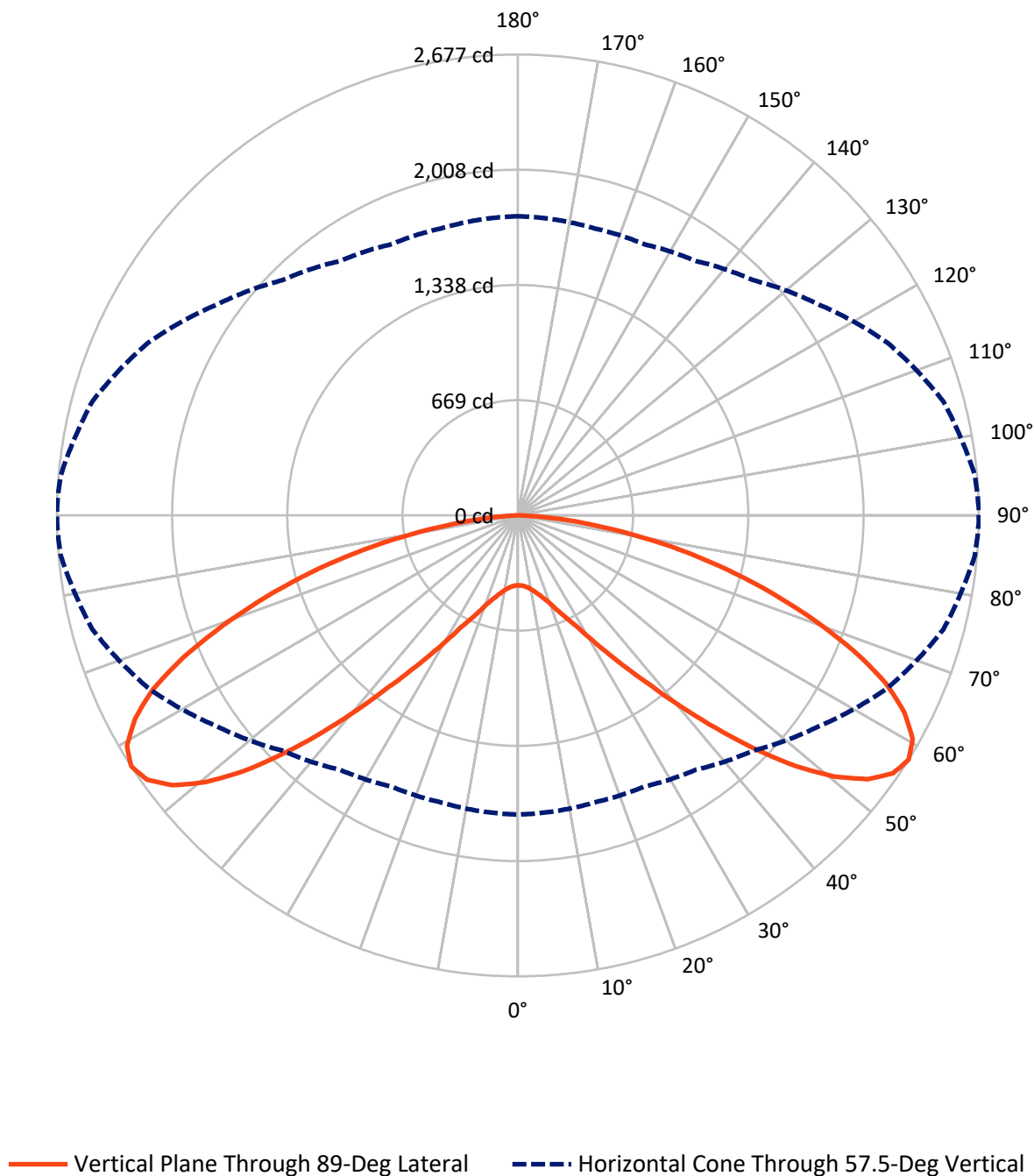


Based on 10 foot mounting height. Maximum calculated value = 6.8 fc
Type III - Short - Full Cutoff

REPORT NUMBER: P198151

CATALOG NUMBER: TT-C5-LED-E1-RW-SG-7050

Luminous Intensity Polar Plot



REPORT NUMBER: P198151

CATALOG NUMBER: TT-C5-LED-E1-RW-SG-7050

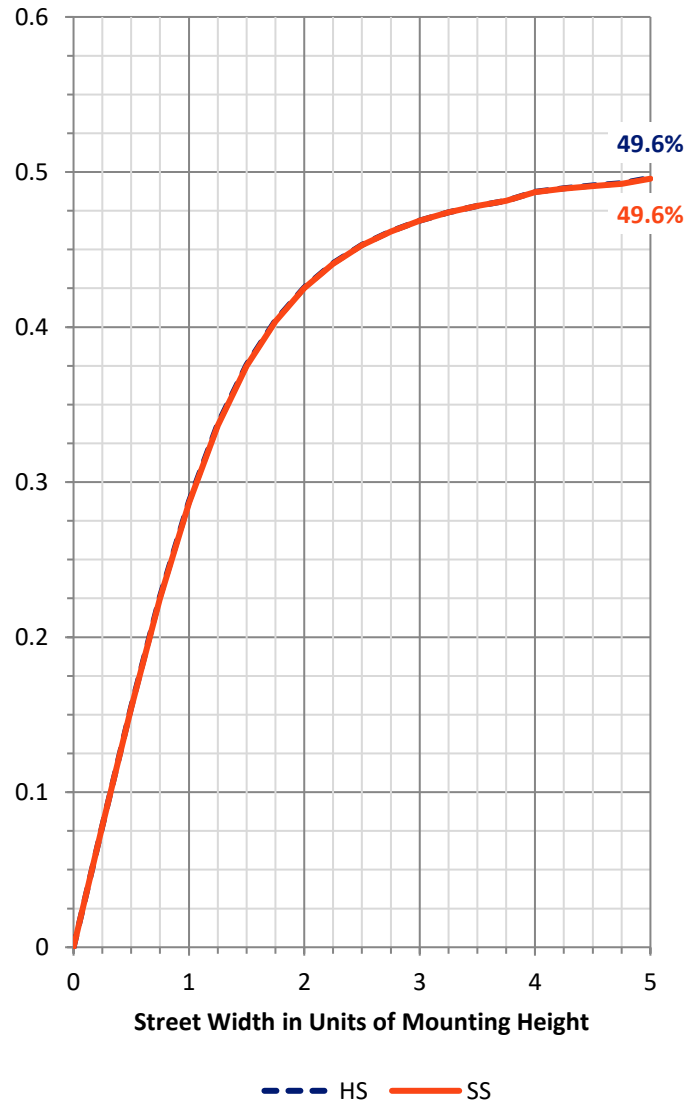
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3653.3	0.0	3653.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3653.3	0.0	3653.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	7306.6	0.0	7306.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.3	0.6
10°-20°	140.7	1.9
20°-30°	315.2	4.3
30°-40°	652.2	8.9
40°-50°	1238.1	16.9
50°-60°	1811.6	24.8
60°-70°	1806.2	24.7
70°-80°	1075.0	14.7
80°-90°	227.4	3.1
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°	7306.6	100.0
0°-180°	7306.6	100.0

Coefficient of Utilization



REPORT NUMBER: P198151

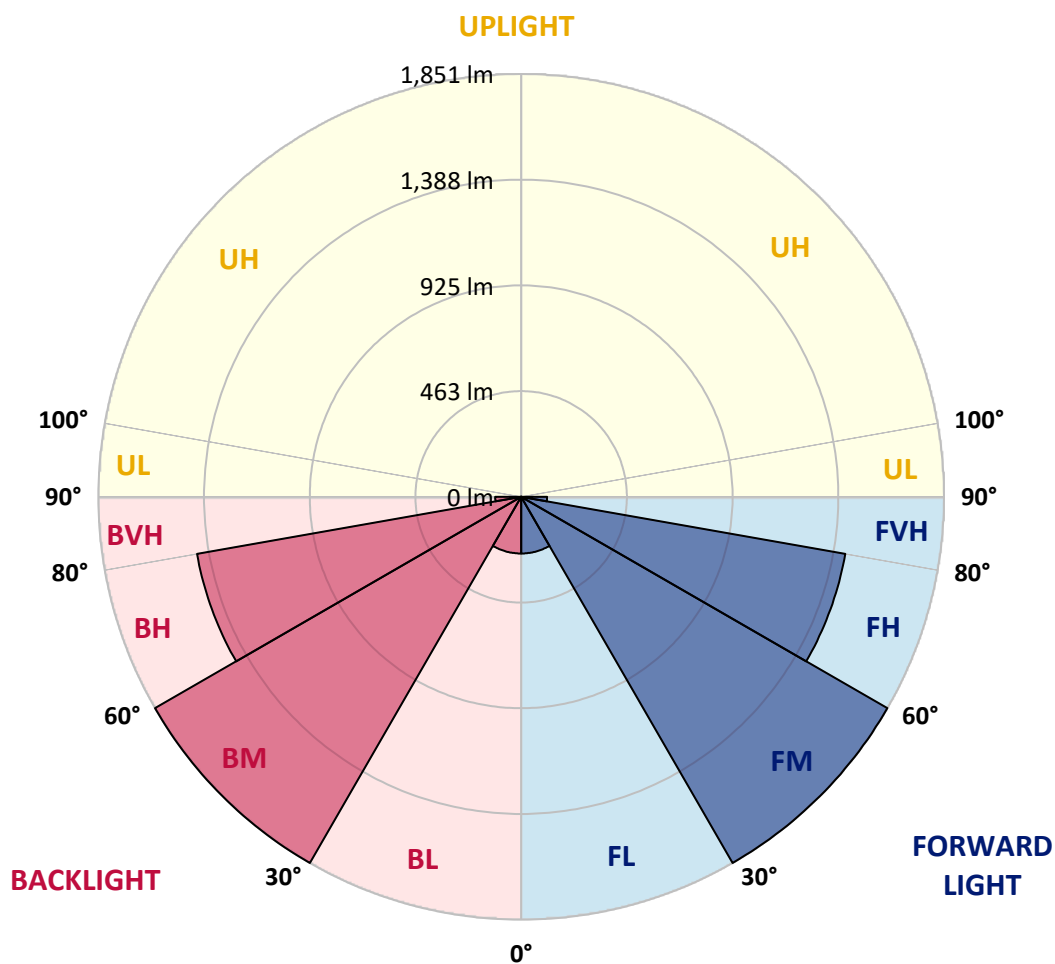
CATALOG NUMBER: TT-C5-LED-E1-RW-SG-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	248.1	3.4			
FM	(30°-60°)	1850.9	25.3			
FH	(60°-80°)	1440.6	19.7			G1/1800
FVH	(80°-90°)	113.7	1.6			G2/225
BL	(0°-30°)	248.1	3.4	B1/500		
BM	(30°-60°)	1850.9	25.3	B2/2500		
BH	(60°-80°)	1440.6	19.7	B3/2500		G3/2500
BVH	(80°-90°)	113.7	1.6			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 III Short



REPORT NUMBER: P198151

CATALOG NUMBER: TT-C5-LED-E1-RW-SG-7050

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	405.8	405.8	405.8	405.8	405.8	405.8	405.8	405.8	405.8	405.8	405.8
2.5°	408.9	408.9	408.9	408.9	407.4	407.4	407.4	407.4	407.4	407.4	407.4
5°	415.0	415.0	413.4	415.0	413.4	413.4	413.4	413.4	413.4	413.4	413.4
7.5°	424.1	424.1	424.1	424.1	424.1	424.1	422.6	424.1	422.6	422.6	422.6
10°	440.8	439.3	440.8	439.3	439.3	437.8	437.8	437.8	437.8	437.8	437.8
12.5°	462.1	462.1	462.1	460.6	459.0	459.0	457.5	457.5	457.5	456.0	457.5
15°	491.0	492.5	487.9	486.4	486.4	483.4	481.8	483.4	481.8	480.3	481.8
17.5°	525.9	527.4	524.4	521.4	518.3	516.8	515.3	513.8	513.8	513.8	512.2
20°	571.5	571.5	568.5	562.4	557.8	554.8	554.8	553.3	553.3	554.8	550.2
22.5°	623.2	621.7	618.6	615.6	609.5	603.4	600.4	598.9	598.9	601.9	603.4
25°	687.0	688.6	679.4	673.4	667.3	656.6	655.1	656.6	658.2	658.2	661.2
27.5°	752.4	755.4	747.8	738.7	729.6	725.0	722.0	725.0	728.1	732.6	731.1
30°	829.9	828.4	826.9	813.2	802.5	798.0	801.0	810.1	817.7	828.4	829.9
32.5°	913.5	916.5	905.9	895.3	890.7	886.1	890.7	910.5	931.7	937.8	945.4
35°	1012.3	1006.2	1000.1	992.5	984.9	984.9	1007.7	1030.5	1064.0	1086.8	1086.8
37.5°	1112.6	1108.1	1097.4	1086.8	1086.8	1102.0	1124.8	1181.0	1229.7	1263.1	1249.4
40°	1216.0	1209.9	1206.9	1194.7	1196.2	1232.7	1281.3	1351.3	1421.2	1468.3	1459.2
42.5°	1320.9	1322.4	1311.7	1307.2	1320.9	1361.9	1447.0	1541.3	1629.4	1688.7	1690.2
45°	1428.8	1428.8	1421.2	1418.1	1444.0	1506.3	1612.7	1741.9	1860.5	1928.9	1936.5
47.5°	1527.6	1526.1	1520.0	1518.5	1562.5	1637.0	1770.8	1936.5	2082.4	2158.4	2178.1
50°	1612.7	1614.2	1605.1	1612.7	1652.2	1751.0	1912.1	2112.8	2280.0	2375.7	2384.8
52.5°	1679.6	1681.1	1670.5	1676.5	1729.7	1843.7	2023.1	2248.0	2430.4	2532.3	2544.4
55°	1725.2	1719.1	1711.5	1720.6	1781.4	1907.6	2103.6	2337.7	2527.7	2634.1	2643.2
57.5°	1737.3	1732.8	1725.2	1737.3	1802.7	1931.9	2134.0	2369.6	2558.1	2664.5	2676.7
60°	1719.1	1719.1	1710.0	1723.7	1789.0	1915.2	2112.8	2340.8	2520.1	2617.4	2634.1
62.5°	1672.0	1672.0	1661.3	1672.0	1734.3	1851.3	2039.8	2251.1	2413.7	2498.8	2518.6
65°	1583.8	1582.3	1576.2	1579.3	1630.9	1741.9	1913.7	2105.2	2246.5	2322.5	2348.4
67.5°	1456.1	1451.6	1445.5	1451.6	1489.6	1588.4	1746.5	1913.7	2030.7	2103.6	2109.7
70°	1293.5	1288.9	1281.3	1278.3	1317.8	1396.9	1524.5	1672.0	1769.3	1822.5	1828.5
72.5°	1100.5	1106.5	1100.5	1091.3	1117.2	1187.1	1293.5	1406.0	1486.5	1535.2	1542.8
75°	910.5	912.0	896.8	893.7	913.5	957.6	1044.2	1130.9	1200.8	1241.8	1254.0
77.5°	705.3	705.3	691.6	684.0	694.6	732.6	791.9	861.8	919.6	945.4	966.7
80°	507.7	507.7	495.5	477.3	487.9	507.7	560.9	598.9	644.5	673.4	676.4
82.5°	317.7	313.1	316.2	302.5	305.5	311.6	345.0	370.9	398.2	413.4	415.0
85°	165.7	159.6	156.6	149.0	144.4	155.0	170.2	188.5	194.6	208.2	203.7
87.5°	51.7	48.6	47.1	47.1	42.6	45.6	47.1	50.2	57.8	57.8	60.8
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: P198151

CATALOG NUMBER: TT-C5-LED-E1-RW-SG-7050

CANDELA DISTRIBUTION (continued):

	90°
0°	405.8
2.5°	407.4
5°	413.4
7.5°	422.6
10°	437.8
12.5°	456.0
15°	481.8
17.5°	513.8
20°	550.2
22.5°	598.9
25°	658.2
27.5°	728.1
30°	828.4
32.5°	940.9
35°	1077.7
37.5°	1264.6
40°	1457.7
42.5°	1700.9
45°	1936.5
47.5°	2178.1
50°	2380.3
52.5°	2539.9
55°	2647.8
57.5°	2676.7
60°	2629.6
62.5°	2514.0
65°	2345.3
67.5°	2109.7
70°	1837.7
72.5°	1538.2
75°	1240.3
77.5°	960.6
80°	676.4
82.5°	427.1
85°	203.7
87.5°	65.4
90°	0.0

(END OF REPORT)