

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: P198057

Luminaire Tested: **TT-C6-LED-E1-RW-CG-MS/DIM-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198057
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-8030
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH CLEAR GLASS LENS AND DIMMING OCCUPANCY
SENSOR
Light Source: (160) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6764.3 lumens
Efficiency: N/A
Efficacy: 62.6 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



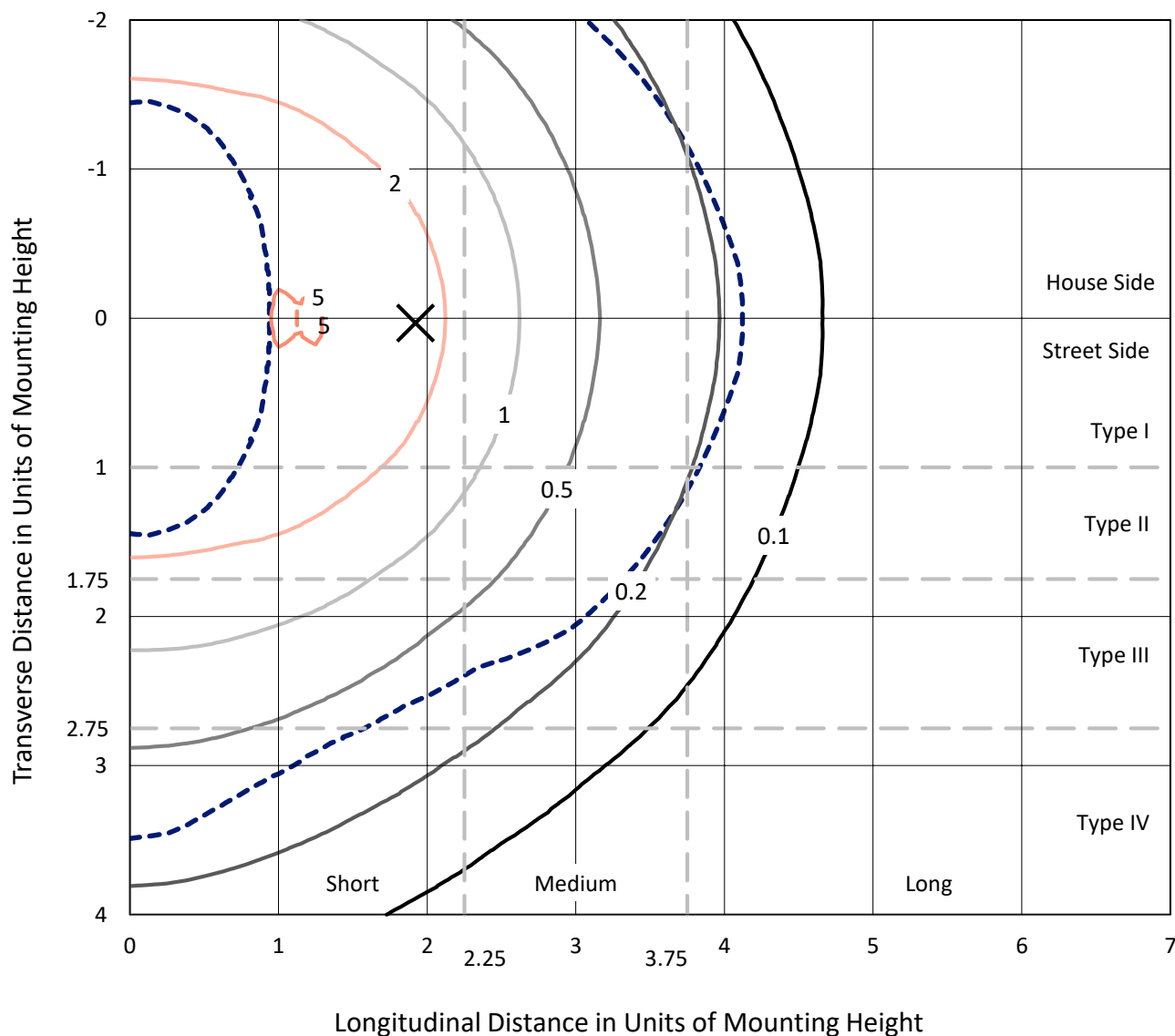
REPORT NUMBER: P198057

CATALOG NUMBER: TT-C6-LED-E1-RW-CG-MS/DIM-8030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

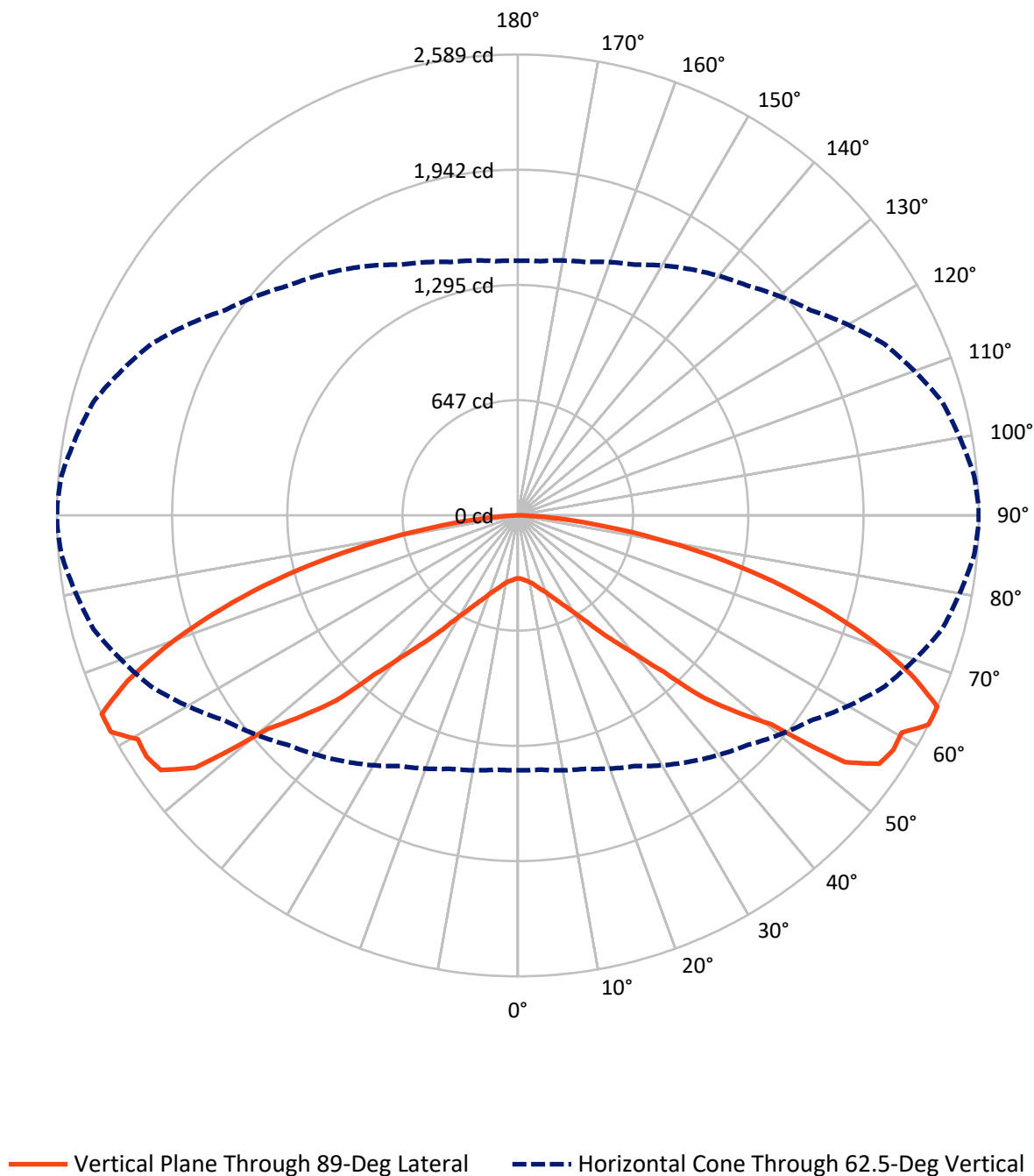


Based on 10 foot mounting height. Maximum calculated value = 5.2 fc
 Type IV - Short - Semi-Cutoff

REPORT NUMBER: P198057

CATALOG NUMBER: TT-C6-LED-E1-RW-CG-MS/DIM-8030

Luminous Intensity Polar Plot



REPORT NUMBER: P198057

CATALOG NUMBER: TT-C6-LED-E1-RW-CG-MS/DIM-8030

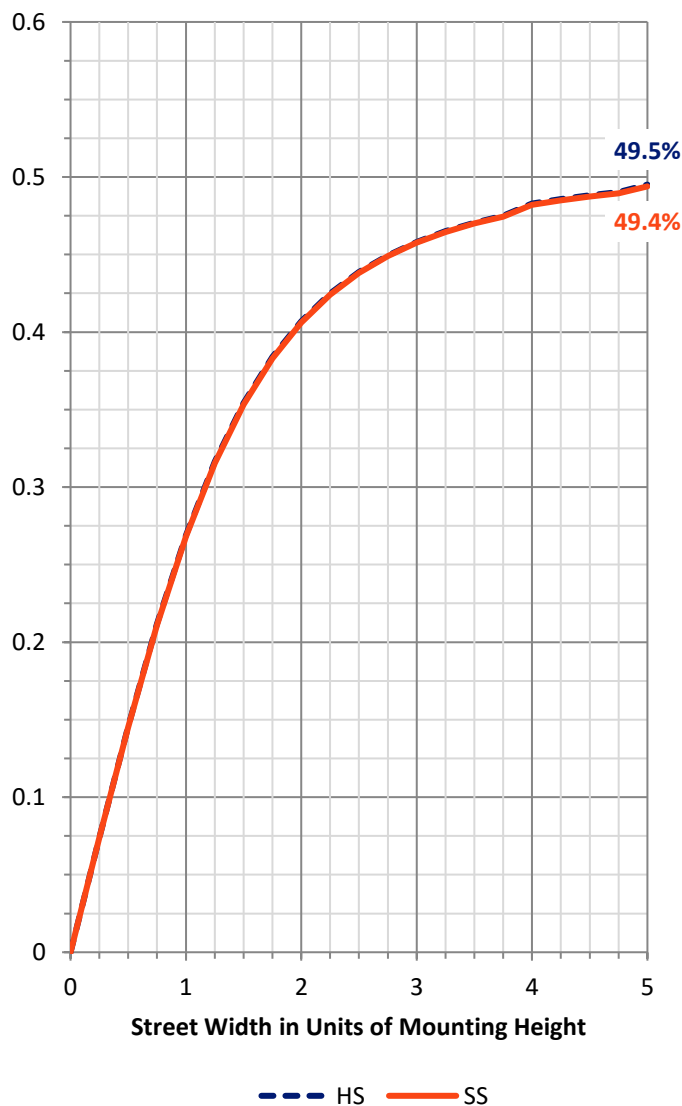
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3382.1	0.0	3382.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3382.1	0.0	3382.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	6764.3	0.0	6764.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.3	0.5
10°-20°	120.4	1.8
20°-30°	256.0	3.8
30°-40°	492.0	7.3
40°-50°	910.9	13.5
50°-60°	1538.7	22.7
60°-70°	1858.4	27.5
70°-80°	1279.5	18.9
80°-90°	273.0	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°	6764.3	100.0
0°-180°	6764.3	100.0

Coefficient of Utilization



REPORT NUMBER: P198057

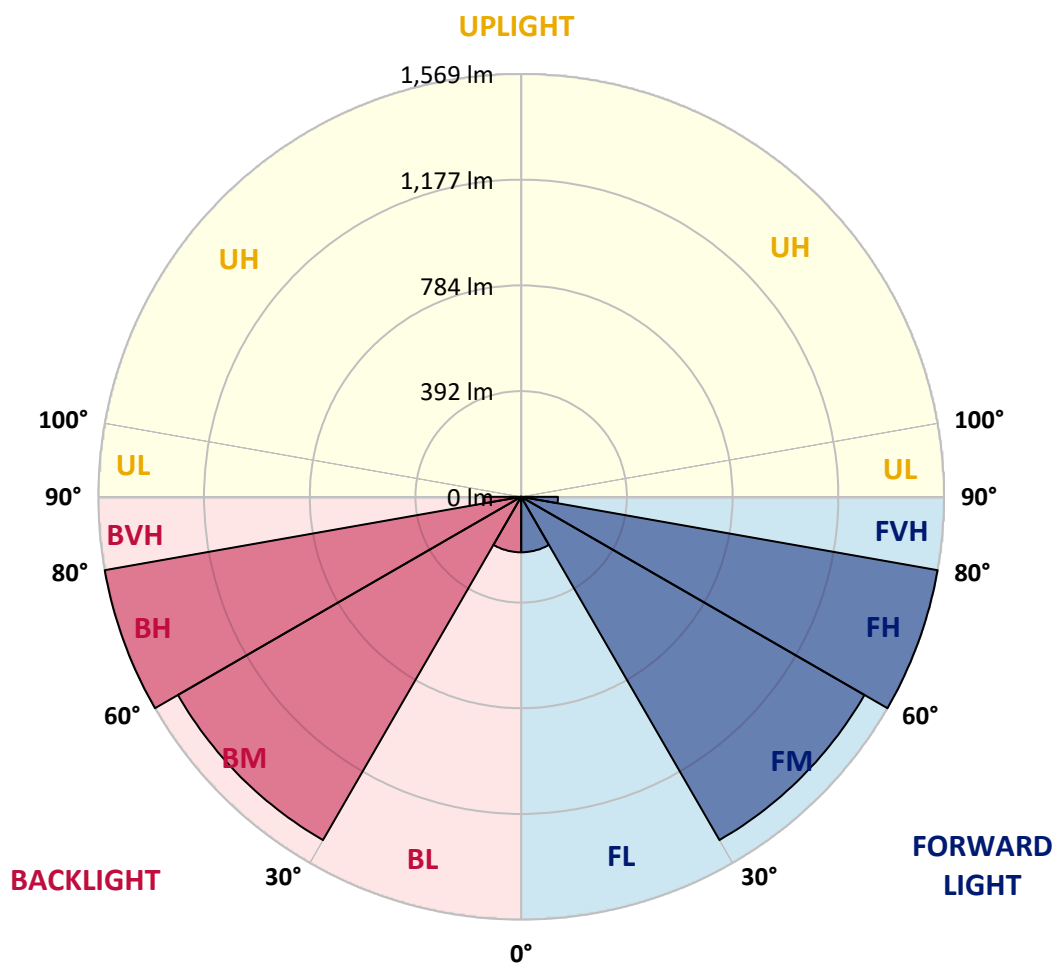
CATALOG NUMBER: TT-C6-LED-E1-RW-CG-MS/DIM-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	205.9	3.0			
FM	(30°-60°)	1470.8	21.7			
FH	(60°-80°)	1569.0	23.2			G1/1800
FVH	(80°-90°)	136.5	2.0			G2/225
BL	(0°-30°)	205.9	3.0	B1/500		
BM	(30°-60°)	1470.8	21.7	B2/2500		
BH	(60°-80°)	1569.0	23.2	B3/2500		G3/2500
BVH	(80°-90°)	136.5	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: P198057

CATALOG NUMBER: TT-C6-LED-E1-RW-CG-MS/DIM-8030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	353.6	353.6	353.6	353.6	353.6	353.6	353.6	353.6	353.6	353.6	353.6
2.5°	356.5	356.5	356.5	356.5	358.0	358.0	358.0	358.0	358.0	358.0	356.5
5°	362.5	361.0	362.5	363.9	363.9	365.4	365.4	365.4	365.4	363.9	363.9
7.5°	369.9	369.9	371.3	372.8	374.3	372.8	372.8	371.3	371.3	371.3	371.3
10°	383.2	381.7	383.2	384.6	383.2	383.2	383.2	383.2	383.2	383.2	381.7
12.5°	398.0	398.0	398.0	398.0	396.5	398.0	396.5	398.0	398.0	398.0	396.5
15°	418.7	418.7	418.7	417.2	415.7	415.7	415.7	415.7	415.7	415.7	417.2
17.5°	446.8	445.3	443.8	440.9	439.4	437.9	437.9	437.9	439.4	439.4	439.4
20°	479.3	476.4	473.4	471.9	470.5	467.5	466.0	467.5	469.0	469.0	464.5
22.5°	519.3	514.8	510.4	508.9	503.0	501.5	500.0	498.6	498.6	500.0	498.6
25°	556.3	557.7	553.3	545.9	544.4	541.5	537.0	538.5	537.0	538.5	537.0
27.5°	602.1	605.1	600.6	593.2	588.8	584.4	581.4	581.4	582.9	587.3	582.9
30°	653.9	655.4	650.9	645.0	637.6	631.7	630.2	637.6	637.6	643.5	640.6
32.5°	708.6	707.2	701.2	699.8	690.9	690.9	692.4	698.3	708.6	713.1	711.6
35°	775.2	766.3	764.9	758.9	751.5	751.5	760.4	775.2	794.4	806.3	807.8
37.5°	835.9	832.9	831.4	822.6	818.1	827.0	844.7	871.4	887.7	911.3	911.3
40°	898.0	905.4	898.0	889.1	893.6	906.9	936.5	970.5	1007.5	1032.6	1032.6
42.5°	958.7	972.0	964.6	957.2	969.0	1000.1	1037.1	1094.8	1168.7	1201.3	1199.8
45°	1023.8	1034.1	1026.7	1028.2	1053.3	1091.8	1162.8	1287.1	1390.7	1457.2	1458.7
47.5°	1094.8	1096.3	1091.8	1099.2	1136.2	1210.2	1306.3	1458.7	1560.8	1640.7	1646.6
50°	1165.8	1158.4	1156.9	1174.7	1241.2	1334.4	1472.0	1620.0	1781.2	1840.4	1844.8
52.5°	1229.4	1220.5	1226.4	1256.0	1343.3	1458.7	1630.3	1881.8	2115.6	2290.1	2302.0
55°	1290.1	1279.7	1294.5	1341.8	1457.2	1612.6	1827.1	2140.7	2339.0	2452.9	2463.2
57.5°	1341.8	1338.9	1362.5	1421.7	1563.7	1753.1	1988.3	2244.3	2390.7	2476.6	2486.9
60°	1393.6	1393.6	1424.7	1501.6	1659.9	1833.0	2019.4	2242.8	2393.7	2466.2	2476.6
62.5°	1430.6	1433.6	1473.5	1553.4	1688.0	1824.1	2009.1	2273.9	2467.7	2572.7	2589.0
65°	1451.3	1457.2	1500.1	1553.4	1676.2	1815.3	2075.6	2299.0	2458.8	2569.8	2589.0
67.5°	1454.3	1466.1	1486.8	1526.8	1630.3	1748.7	1969.1	2151.1	2284.2	2368.6	2381.9
70°	1441.0	1436.5	1435.0	1445.4	1497.2	1583.0	1776.8	1920.3	2052.0	2105.2	2115.6
72.5°	1374.4	1372.9	1321.1	1288.6	1301.9	1361.1	1532.7	1643.6	1729.4	1797.5	1804.9
75°	1241.2	1229.4	1143.6	1077.0	1063.7	1117.0	1245.7	1327.0	1404.0	1467.6	1483.9
77.5°	1035.6	1006.0	918.7	840.3	815.2	855.1	951.3	1007.5	1063.7	1137.7	1137.7
80°	751.5	736.8	661.3	597.7	572.5	596.2	664.3	687.9	717.5	784.1	785.6
82.5°	485.3	469.0	418.7	378.7	356.5	371.3	399.4	409.8	434.9	474.9	473.4
85°	236.7	236.7	211.6	189.4	168.7	171.6	189.4	195.3	216.0	226.4	223.4
87.5°	59.2	65.1	57.7	53.3	47.3	47.3	53.3	53.3	65.1	65.1	62.1
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: P198057

CATALOG NUMBER: TT-C6-LED-E1-RW-CG-MS/DIM-8030

CANDELA DISTRIBUTION (continued):

	90°
0°	353.6
2.5°	356.5
5°	363.9
7.5°	371.3
10°	381.7
12.5°	398.0
15°	415.7
17.5°	440.9
20°	469.0
22.5°	498.6
25°	537.0
27.5°	587.3
30°	643.5
32.5°	710.1
35°	801.8
37.5°	911.3
40°	1034.1
42.5°	1201.3
45°	1461.7
47.5°	1640.7
50°	1840.4
52.5°	2294.6
55°	2461.8
57.5°	2488.4
60°	2479.5
62.5°	2589.0
65°	2586.0
67.5°	2378.9
70°	2120.0
72.5°	1816.7
75°	1489.8
77.5°	1130.3
80°	816.6
82.5°	476.4
85°	226.4
87.5°	68.1
90°	0.0

(END OF REPORT)