

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: P198056

Luminaire Tested: **TT-C5-LED-E1-RW-CG-MS/DIM-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198056
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-C5-LED-E1-RW-CG-MS/DIM-7060
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH CLEAR GLASS LENS AND DIMMING OCCUPANCY
SENSOR
Light Source: (160) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6897.3 lumens
Efficiency: N/A
Efficacy: 89.6 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): 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



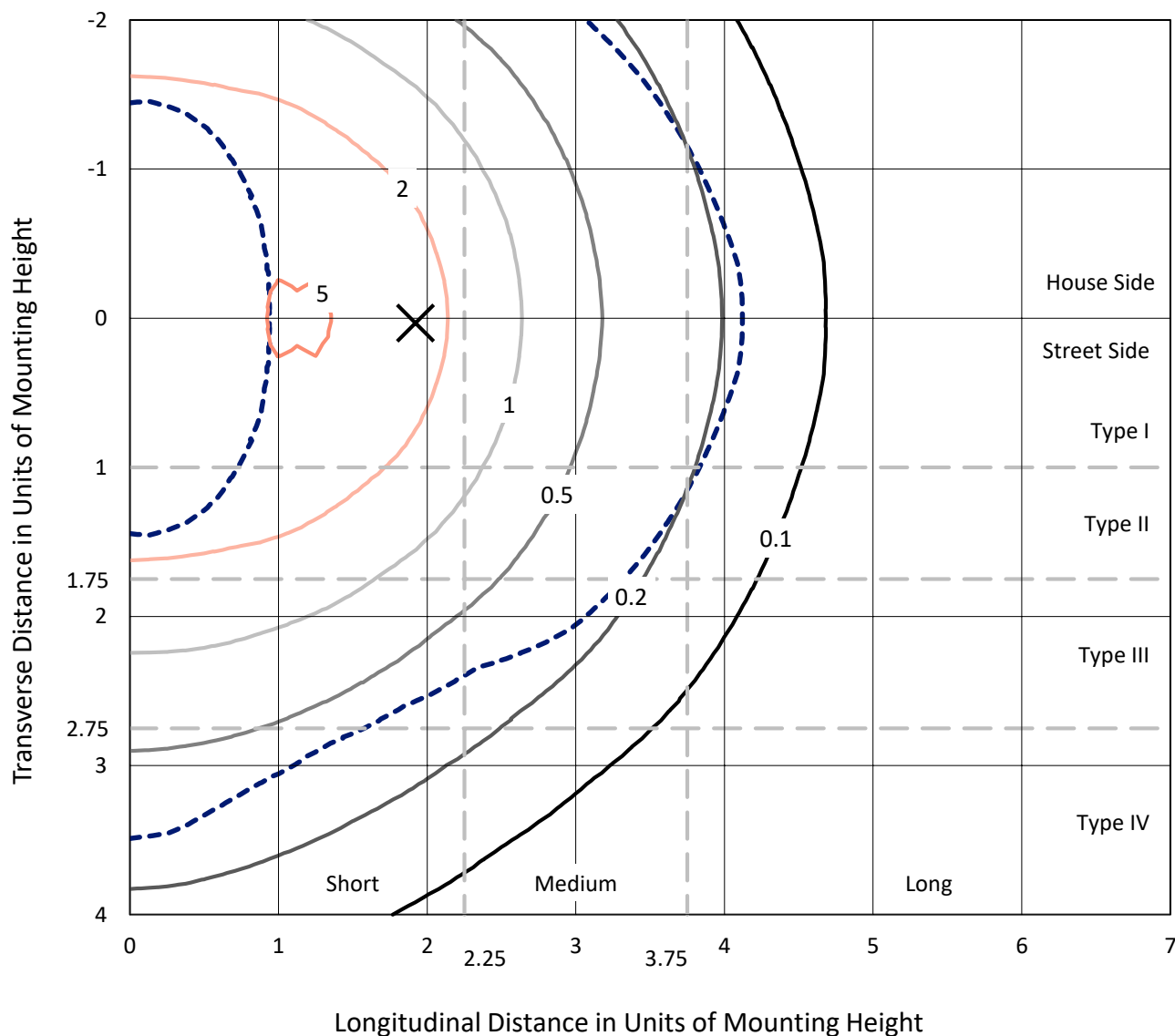
REPORT NUMBER: P198056

CATALOG NUMBER: TT-C5-LED-E1-RW-CG-MS/DIM-7060

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

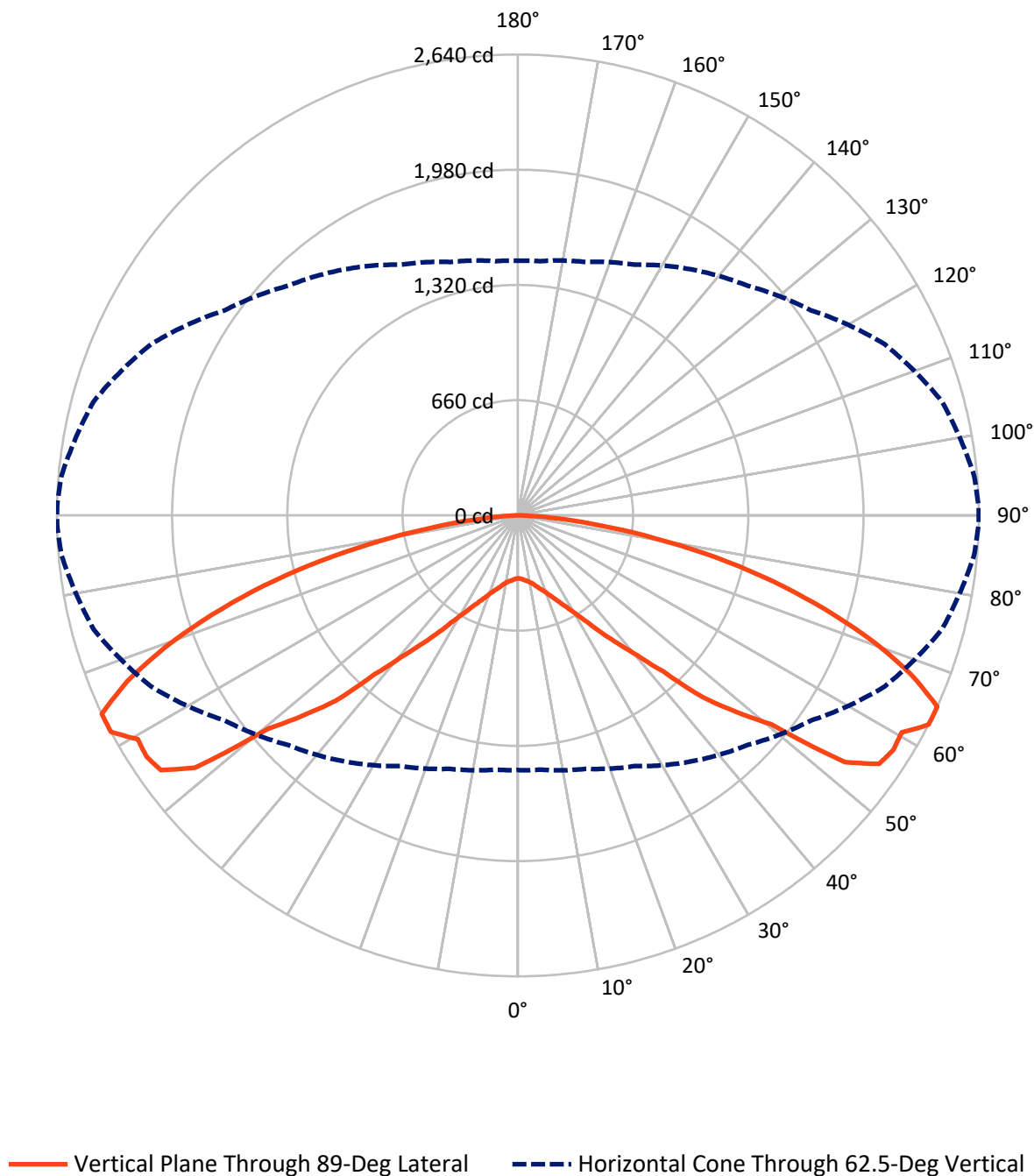


Based on 10 foot mounting height. Maximum calculated value = 5.3 fc
 Type IV - Short - Semi-Cutoff

REPORT NUMBER: P198056

CATALOG NUMBER: TT-C5-LED-E1-RW-CG-MS/DIM-7060

Luminous Intensity Polar Plot



REPORT NUMBER: P198056

CATALOG NUMBER: TT-C5-LED-E1-RW-CG-MS/DIM-7060

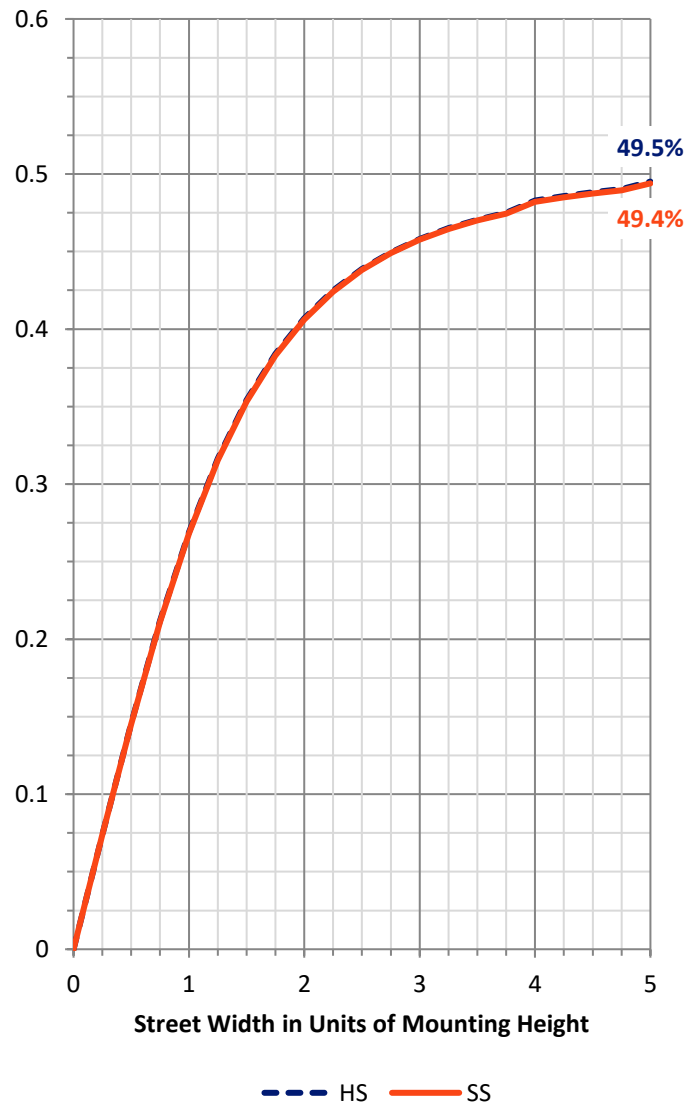
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3448.6	0.0	3448.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3448.6	0.0	3448.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	6897.3	0.0	6897.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.0	0.5
10°-20°	122.7	1.8
20°-30°	261.1	3.8
30°-40°	501.7	7.3
40°-50°	928.8	13.5
50°-60°	1569.0	22.7
60°-70°	1895.0	27.5
70°-80°	1304.7	18.9
80°-90°	278.4	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°	6897.3	100.0
0°-180°	6897.3	100.0

Coefficient of Utilization



REPORT NUMBER: P198056

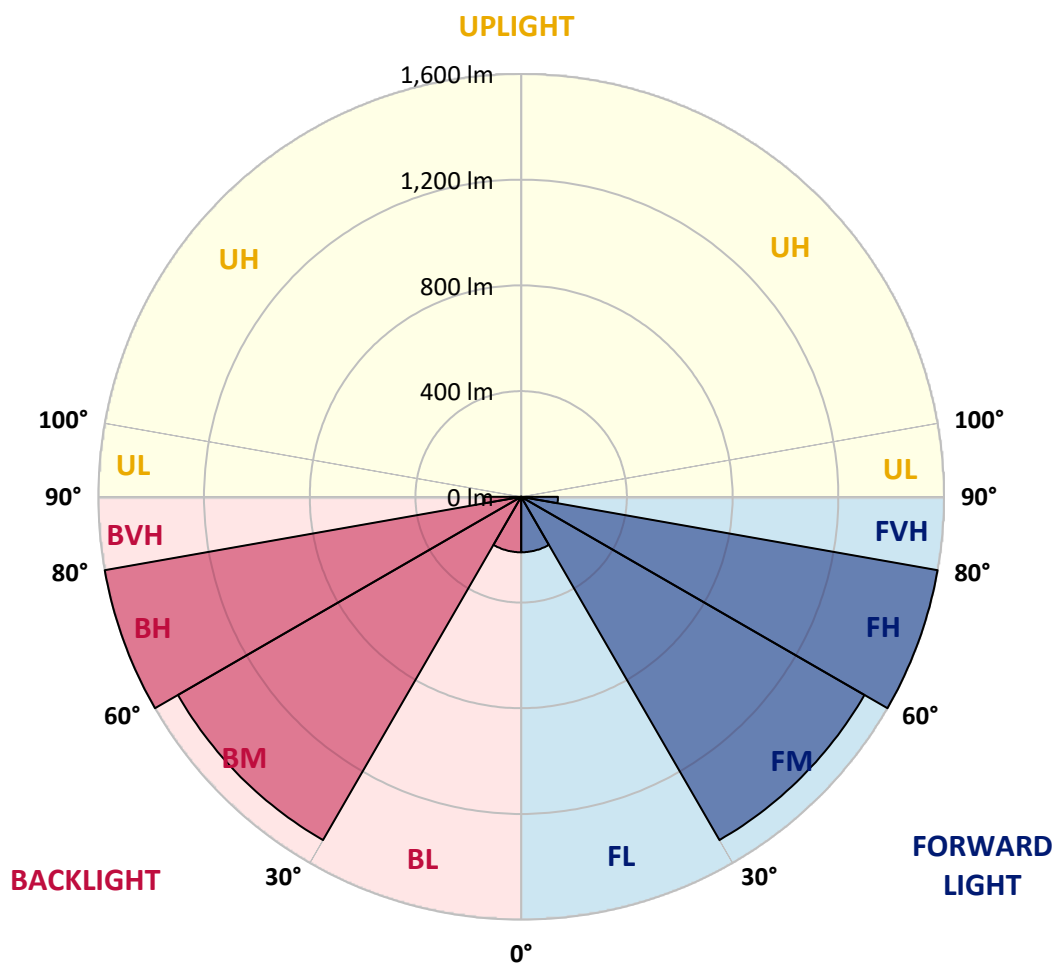
CATALOG NUMBER: TT-C5-LED-E1-RW-CG-MS/DIM-7060

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	209.9	3.0			
FM	(30°-60°)	1499.7	21.7			
FH	(60°-80°)	1599.8	23.2			G1/1800
FVH	(80°-90°)	139.2	2.0			G2/225
BL	(0°-30°)	209.9	3.0	B1/500		
BM	(30°-60°)	1499.7	21.7	B2/2500		
BH	(60°-80°)	1599.8	23.2	B3/2500		G3/2500
BVH	(80°-90°)	139.2	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: P198056

CATALOG NUMBER: TT-C5-LED-E1-RW-CG-MS/DIM-7060

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	360.5	360.5	360.5	360.5	360.5	360.5	360.5	360.5	360.5	360.5	360.5
2.5°	363.5	363.5	363.5	363.5	365.1	365.1	365.1	365.1	365.1	365.1	363.5
5°	369.6	368.1	369.6	371.1	371.1	372.6	372.6	372.6	372.6	371.1	371.1
7.5°	377.1	377.1	378.6	380.1	381.7	380.1	380.1	378.6	378.6	378.6	378.6
10°	390.7	389.2	390.7	392.2	390.7	390.7	390.7	390.7	390.7	390.7	389.2
12.5°	405.8	405.8	405.8	405.8	404.3	405.8	404.3	405.8	405.8	405.8	404.3
15°	426.9	426.9	426.9	425.4	423.9	423.9	423.9	423.9	423.9	423.9	425.4
17.5°	455.6	454.1	452.6	449.5	448.0	446.5	446.5	446.5	448.0	448.0	448.0
20°	488.8	485.7	482.7	481.2	479.7	476.7	475.2	476.7	478.2	478.2	473.7
22.5°	529.5	525.0	520.4	518.9	512.9	511.4	509.9	508.4	508.4	509.9	508.4
25°	567.2	568.7	564.2	556.6	555.1	552.1	547.6	549.1	547.6	549.1	547.6
27.5°	614.0	617.0	612.5	604.9	600.4	595.9	592.8	592.8	594.3	598.9	594.3
30°	666.8	668.3	663.7	657.7	650.2	644.1	642.6	650.2	650.2	656.2	653.2
32.5°	722.6	721.1	715.0	713.5	704.5	704.5	706.0	712.0	722.6	727.1	725.6
35°	790.5	781.4	779.9	773.9	766.3	766.3	775.4	790.5	810.1	822.1	823.6
37.5°	852.3	849.3	847.8	838.7	834.2	843.3	861.4	888.5	905.1	929.2	929.2
40°	915.7	923.2	915.7	906.6	911.1	924.7	954.9	989.6	1027.3	1052.9	1052.9
42.5°	977.5	991.1	983.5	976.0	988.1	1019.7	1057.5	1116.3	1191.7	1224.9	1223.4
45°	1043.9	1054.4	1046.9	1048.4	1074.1	1113.3	1185.7	1312.4	1418.0	1485.9	1487.4
47.5°	1116.3	1117.8	1113.3	1120.8	1158.5	1234.0	1332.0	1487.4	1591.5	1672.9	1679.0
50°	1188.7	1181.2	1179.6	1197.7	1265.6	1360.7	1501.0	1651.8	1816.2	1876.6	1881.1
52.5°	1253.6	1244.5	1250.5	1280.7	1369.7	1487.4	1662.4	1918.8	2157.2	2335.2	2347.2
55°	1315.4	1304.9	1319.9	1368.2	1485.9	1644.3	1863.0	2182.8	2384.9	2501.1	2511.7
57.5°	1368.2	1365.2	1389.3	1449.7	1594.5	1787.6	2027.4	2288.4	2437.7	2525.2	2535.8
60°	1421.0	1421.0	1452.7	1531.1	1692.5	1869.0	2059.1	2286.9	2440.8	2514.7	2525.2
62.5°	1458.7	1461.7	1502.5	1583.9	1721.2	1860.0	2048.5	2318.6	2516.2	2623.3	2639.9
65°	1479.8	1485.9	1529.6	1583.9	1709.1	1850.9	2116.4	2344.2	2507.1	2620.3	2639.9
67.5°	1482.9	1494.9	1516.0	1556.8	1662.4	1783.0	2007.8	2193.4	2329.1	2415.1	2428.7
70°	1469.3	1464.8	1463.2	1473.8	1526.6	1614.1	1811.7	1958.0	2092.3	2146.6	2157.2
72.5°	1401.4	1399.9	1347.1	1313.9	1327.5	1387.8	1562.8	1675.9	1763.4	1832.8	1840.4
75°	1265.6	1253.6	1166.1	1098.2	1084.6	1138.9	1270.2	1353.1	1431.6	1496.4	1513.0
77.5°	1056.0	1025.8	936.8	856.8	831.2	871.9	970.0	1027.3	1084.6	1160.0	1160.0
80°	766.3	751.2	674.3	609.4	583.8	607.9	677.3	701.5	731.6	799.5	801.0
82.5°	494.8	478.2	426.9	386.2	363.5	378.6	407.3	417.9	443.5	484.2	482.7
85°	241.4	241.4	215.7	193.1	172.0	175.0	193.1	199.1	220.2	230.8	227.8
87.5°	60.3	66.4	58.8	54.3	48.3	48.3	54.3	54.3	66.4	66.4	63.4
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: P198056

CATALOG NUMBER: TT-C5-LED-E1-RW-CG-MS/DIM-7060

CANDELA DISTRIBUTION (continued):

	90°
0°	360.5
2.5°	363.5
5°	371.1
7.5°	378.6
10°	389.2
12.5°	405.8
15°	423.9
17.5°	449.5
20°	478.2
22.5°	508.4
25°	547.6
27.5°	598.9
30°	656.2
32.5°	724.1
35°	817.6
37.5°	929.2
40°	1054.4
42.5°	1224.9
45°	1490.4
47.5°	1672.9
50°	1876.6
52.5°	2339.7
55°	2510.1
57.5°	2537.3
60°	2528.2
62.5°	2639.9
65°	2636.9
67.5°	2425.7
70°	2161.7
72.5°	1852.4
75°	1519.1
77.5°	1152.5
80°	832.7
82.5°	485.7
85°	230.8
87.5°	69.4
90°	0.0

(END OF REPORT)