

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: P197889

Luminaire Tested: **TT-C6-LED-E1-WQ-SG-LWR-LW-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197889
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33418)
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-WQ-SG-LWR-LW-8030
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
WIDE DISTRIBUTION WITH SOFTENING GLASS LENS AND LumaWatt WIRELESS SENSOR
Light Source: (160) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7494.4 lumens
Efficiency: N/A
Efficacy: 69.4 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B3 - U0 - G1

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



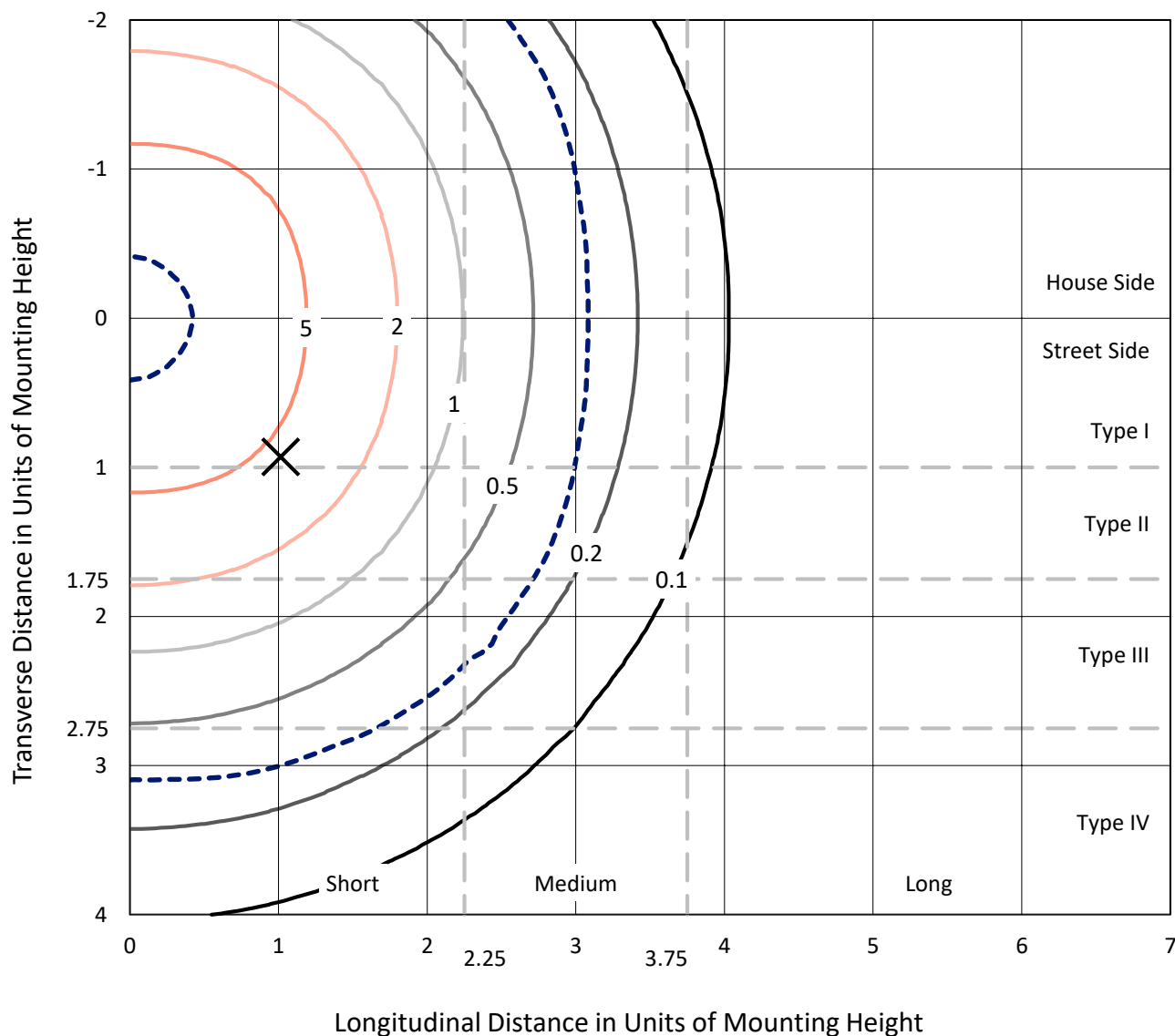
REPORT NUMBER: P197889

CATALOG NUMBER: TT-C6-LED-E1-WQ-SG-LWR-LW-8030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

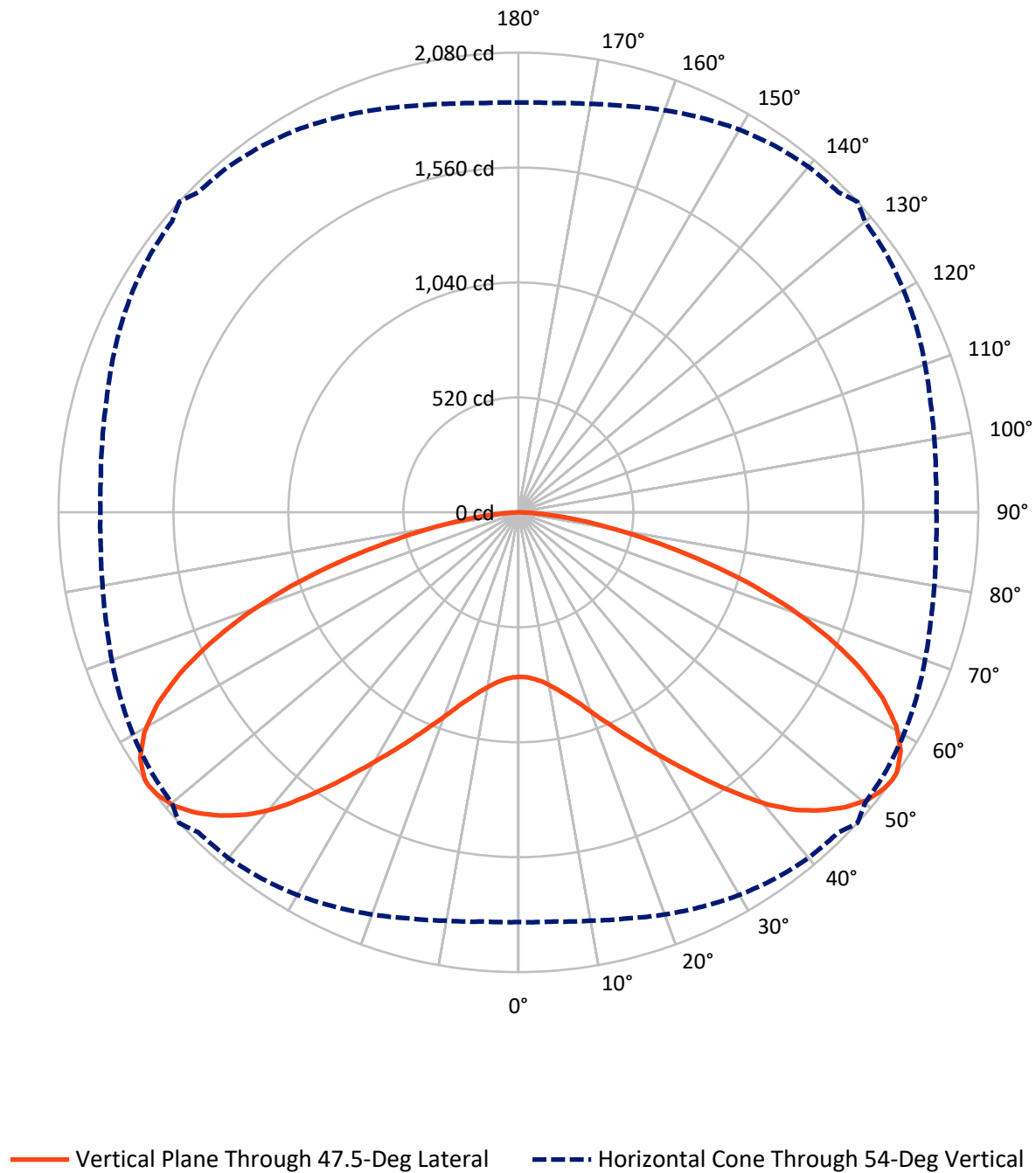


Based on 10 foot mounting height. Maximum calculated value = 8.3 fc
 Type V - Short - Full Cutoff

REPORT NUMBER: P197889

CATALOG NUMBER: TT-C6-LED-E1-WQ-SG-LWR-LW-8030

Luminous Intensity Polar Plot



REPORT NUMBER: P197889

CATALOG NUMBER: TT-C6-LED-E1-WQ-SG-LWR-LW-8030

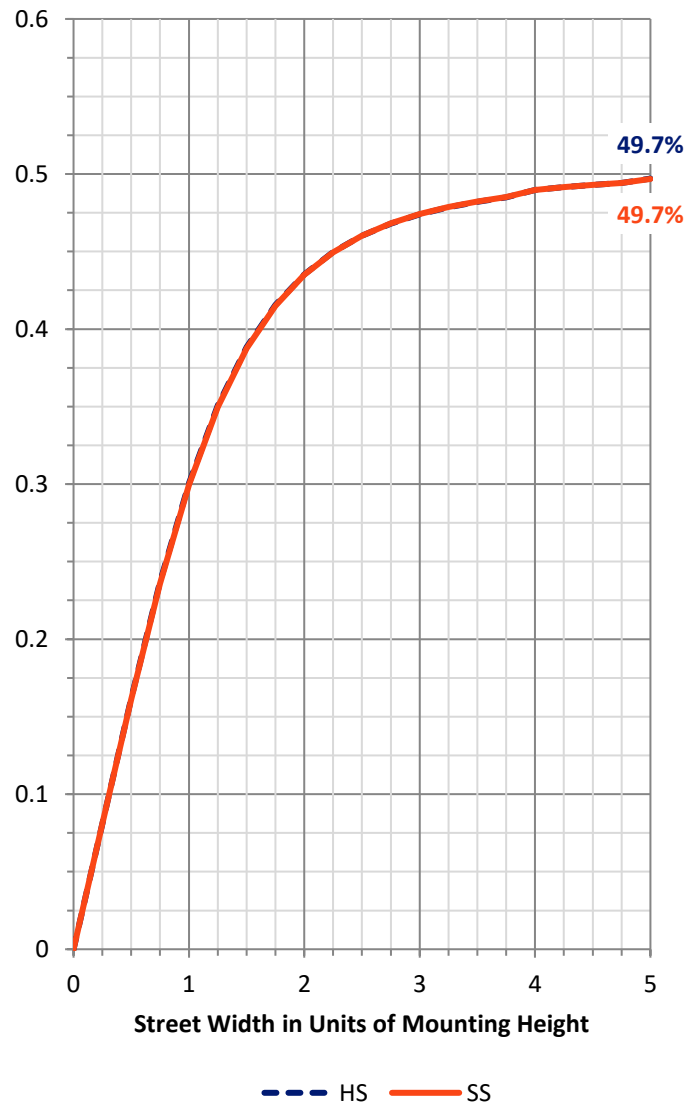
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3747.2	0.0	3747.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3747.2	0.0	3747.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	7494.4	0.0	7494.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.5	1.0
10°-20°	249.0	3.3
20°-30°	512.8	6.8
30°-40°	917.0	12.2
40°-50°	1406.9	18.8
50°-60°	1734.6	23.1
60°-70°	1569.3	20.9
70°-80°	864.1	11.5
80°-90°	167.1	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°	7494.4	100.0
0°-180°	7494.4	100.0

Coefficient of Utilization



REPORT NUMBER: P197889

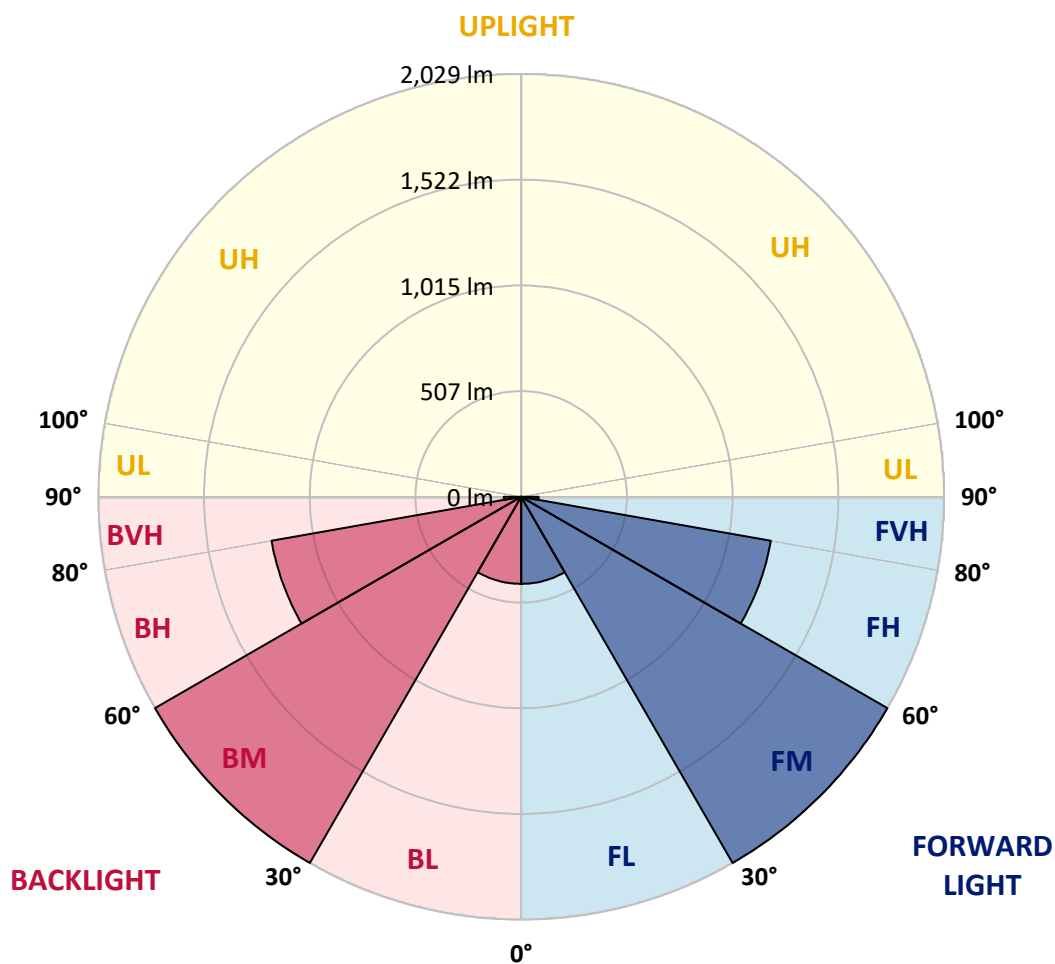
CATALOG NUMBER: TT-C6-LED-E1-WQ-SG-LWR-LW-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	417.6	5.6			
FM	(30°-60°)	2029.3	27.1			
FH	(60°-80°)	1216.7	16.2			G1/1800
FVH	(80°-90°)	83.6	1.1			G1/100
BL	(0°-30°)	417.6	5.6	B1/500		
BM	(30°-60°)	2029.3	27.1	B2/2500		
BH	(60°-80°)	1216.7	16.2	B3/2500		G1/1800
BVH	(80°-90°)	83.6	1.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short



REPORT NUMBER: P197889

CATALOG NUMBER: TT-C6-LED-E1-WQ-SG-LWR-LW-8030

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	47.5°
0°	744.1	744.1	744.1	744.1	744.1	744.1	744.1	744.1	744.1	744.1	744.1
2.5°	747.4	747.4	747.4	747.4	747.4	747.4	747.4	747.4	747.4	747.4	747.4
5°	757.1	757.1	757.1	758.7	757.1	757.1	757.1	757.1	757.1	757.1	757.1
7.5°	773.3	773.3	773.3	773.3	773.3	773.3	771.6	771.6	773.3	771.6	773.3
10°	795.9	794.3	794.3	795.9	795.9	794.3	795.9	795.9	795.9	795.9	797.5
12.5°	825.0	825.0	826.6	826.6	826.6	828.3	828.3	826.6	828.3	828.3	828.3
15°	863.9	863.9	863.9	863.9	865.5	867.1	865.5	865.5	863.9	863.9	867.1
17.5°	909.1	909.1	909.1	909.1	912.4	912.4	910.8	912.4	914.0	914.0	912.4
20°	964.1	962.5	960.9	962.5	965.8	965.8	967.4	969.0	969.0	969.0	972.2
22.5°	1022.4	1020.8	1024.0	1025.6	1027.2	1028.9	1028.9	1030.5	1033.7	1032.1	1036.9
25°	1087.1	1085.5	1087.1	1090.3	1096.8	1096.8	1098.4	1101.7	1101.7	1100.0	1111.4
27.5°	1159.9	1159.9	1161.5	1168.0	1169.6	1171.2	1176.1	1179.3	1184.2	1184.2	1193.9
30°	1239.2	1237.5	1240.8	1247.2	1252.1	1257.0	1263.4	1271.5	1273.1	1274.7	1284.5
32.5°	1320.0	1320.0	1323.3	1334.6	1342.7	1350.8	1360.5	1368.6	1371.8	1371.8	1386.4
35°	1405.8	1407.4	1415.5	1423.6	1439.8	1449.5	1459.2	1470.5	1477.0	1480.2	1499.6
37.5°	1496.4	1501.2	1507.7	1519.0	1535.2	1551.4	1565.9	1583.7	1593.4	1596.7	1617.7
40°	1582.1	1588.6	1598.3	1614.5	1630.6	1653.3	1671.1	1688.9	1700.2	1706.7	1739.0
42.5°	1666.2	1669.5	1680.8	1698.6	1719.6	1740.6	1764.9	1784.3	1795.6	1805.4	1840.9
45°	1732.6	1735.8	1750.3	1771.4	1795.6	1821.5	1845.8	1868.4	1879.8	1887.9	1923.4
47.5°	1787.6	1794.0	1810.2	1831.2	1855.5	1886.2	1913.7	1936.4	1950.9	1955.8	1993.0
50°	1828.0	1837.7	1852.3	1876.5	1905.6	1936.4	1965.5	1989.8	2005.9	2012.4	2046.4
52.5°	1850.6	1858.7	1874.9	1899.2	1933.1	1963.9	1994.6	2018.9	2036.7	2043.2	2073.9
54°	1853.9	1858.7	1876.5	1902.4	1936.4	1968.7	1999.5	2023.7	2041.5	2048.0	2080.4
55°	1850.6	1853.9	1873.3	1897.6	1933.1	1965.5	1996.2	2020.5	2039.9	2046.4	2077.1
57.5°	1818.3	1823.1	1839.3	1865.2	1897.6	1934.8	1963.9	1988.2	2007.6	2010.8	2039.9
60°	1752.0	1758.4	1773.0	1800.5	1832.9	1865.2	1894.3	1915.4	1933.1	1942.9	1963.9
62.5°	1656.5	1659.8	1674.3	1698.6	1727.7	1761.7	1784.3	1805.4	1821.5	1831.2	1849.0
65°	1520.6	1535.2	1546.5	1565.9	1588.6	1616.1	1645.2	1661.4	1669.5	1685.6	1698.6
67.5°	1368.6	1378.3	1389.6	1407.4	1422.0	1439.8	1467.3	1481.8	1491.5	1502.8	1514.2
70°	1198.7	1195.5	1208.4	1218.1	1234.3	1245.6	1263.4	1271.5	1282.8	1289.3	1308.7
72.5°	996.5	1001.4	1012.7	1024.0	1028.9	1032.1	1046.7	1051.5	1061.2	1058.0	1082.2
75°	813.7	805.6	808.8	810.5	813.7	810.5	820.2	825.0	829.9	825.0	838.0
77.5°	614.7	605.0	608.3	606.6	606.6	603.4	601.8	601.8	603.4	600.2	608.3
80°	423.8	419.0	420.6	423.8	415.7	417.4	407.7	407.7	407.7	407.7	410.9
82.5°	262.1	255.6	254.0	255.6	255.6	250.7	252.4	245.9	244.3	242.7	257.2
85°	127.8	124.6	127.8	124.6	122.9	122.9	119.7	121.3	118.1	116.5	126.2
87.5°	34.0	32.4	32.4	32.4	30.7	32.4	32.4	32.4	32.4	34.0	38.8
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: P197889

CATALOG NUMBER: TT-C6-LED-E1-WQ-SG-LWR-LW-8030

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	70°	75°	80°	85°	90°
0°	744.1	744.1	744.1	744.1	744.1	744.1	744.1	744.1	744.1
2.5°	747.4	747.4	747.4	747.4	747.4	747.4	747.4	747.4	745.8
5°	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1
7.5°	773.3	773.3	771.6	771.6	771.6	771.6	771.6	771.6	771.6
10°	795.9	797.5	794.3	794.3	795.9	794.3	794.3	792.7	792.7
12.5°	828.3	826.6	828.3	828.3	826.6	825.0	823.4	821.8	823.4
15°	865.5	863.9	863.9	863.9	862.2	862.2	860.6	862.2	860.6
17.5°	910.8	910.8	912.4	907.5	909.1	905.9	905.9	905.9	904.3
20°	969.0	967.4	965.8	960.9	962.5	959.3	957.7	956.1	954.4
22.5°	1032.1	1028.9	1027.2	1022.4	1024.0	1020.8	1015.9	1012.7	1012.7
25°	1101.7	1098.4	1095.2	1093.6	1091.9	1085.5	1082.2	1077.4	1080.6
27.5°	1184.2	1177.7	1172.8	1166.4	1168.0	1159.9	1156.7	1153.4	1153.4
30°	1273.1	1268.3	1260.2	1255.3	1253.7	1245.6	1239.2	1235.9	1234.3
32.5°	1370.2	1367.0	1362.1	1354.0	1350.8	1337.8	1333.0	1328.1	1326.5
35°	1485.0	1477.0	1472.1	1460.8	1449.5	1441.4	1430.0	1426.8	1423.6
37.5°	1591.8	1591.8	1583.7	1570.8	1554.6	1543.3	1533.6	1527.1	1522.3
40°	1705.1	1701.8	1688.9	1677.6	1661.4	1645.2	1627.4	1620.9	1617.7
42.5°	1805.4	1798.9	1785.9	1771.4	1755.2	1735.8	1716.4	1706.7	1705.1
45°	1889.5	1881.4	1868.4	1849.0	1828.0	1808.6	1790.8	1781.1	1776.2
47.5°	1957.4	1947.7	1931.5	1913.7	1889.5	1866.8	1849.0	1839.3	1832.9
50°	2007.6	1999.5	1981.7	1959.0	1934.8	1908.9	1891.1	1879.8	1874.9
52.5°	2039.9	2028.6	2009.2	1984.9	1957.4	1931.5	1910.5	1897.6	1892.7
54°	2046.4	2033.4	2012.4	1986.5	1957.4	1929.9	1910.5	1895.9	1891.1
55°	2043.2	2030.2	2007.6	1983.3	1952.6	1925.1	1904.0	1889.5	1884.6
57.5°	2009.2	1994.6	1973.6	1947.7	1915.4	1887.9	1868.4	1852.3	1847.4
60°	1936.4	1923.4	1899.2	1876.5	1844.2	1816.7	1795.6	1779.5	1774.6
62.5°	1824.8	1813.4	1792.4	1769.8	1735.8	1711.5	1690.5	1680.8	1667.8
65°	1675.9	1667.8	1646.8	1619.3	1595.0	1570.8	1549.8	1543.3	1535.2
67.5°	1498.0	1486.7	1478.6	1451.1	1431.7	1409.0	1388.0	1375.0	1371.8
70°	1287.7	1282.8	1274.7	1248.9	1237.5	1218.1	1203.6	1192.2	1189.0
72.5°	1061.2	1056.4	1054.7	1041.8	1027.2	1009.4	1003.0	993.3	991.6
75°	825.0	821.8	825.0	815.3	810.5	805.6	802.4	802.4	797.5
77.5°	596.9	601.8	603.4	603.4	606.6	606.6	609.9	605.0	600.2
80°	406.0	410.9	409.3	412.5	410.9	422.2	414.1	420.6	414.1
82.5°	244.3	250.7	250.7	250.7	257.2	255.6	255.6	258.8	257.2
85°	119.7	121.3	119.7	118.1	126.2	124.6	124.6	122.9	124.6
87.5°	35.6	32.4	34.0	30.7	34.0	29.1	32.4	32.4	34.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)