

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: P197724

Luminaire Tested: **TT-C6-LED-E1-MQ-CG-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197724
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P115348)
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-MQ-CG-7060
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
MEDIUM DISTRIBUTION WITH CLEAR GLASS LENS
Light Source: (160) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10712.8 lumens
Efficiency: N/A
Efficacy: 99.2 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - 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

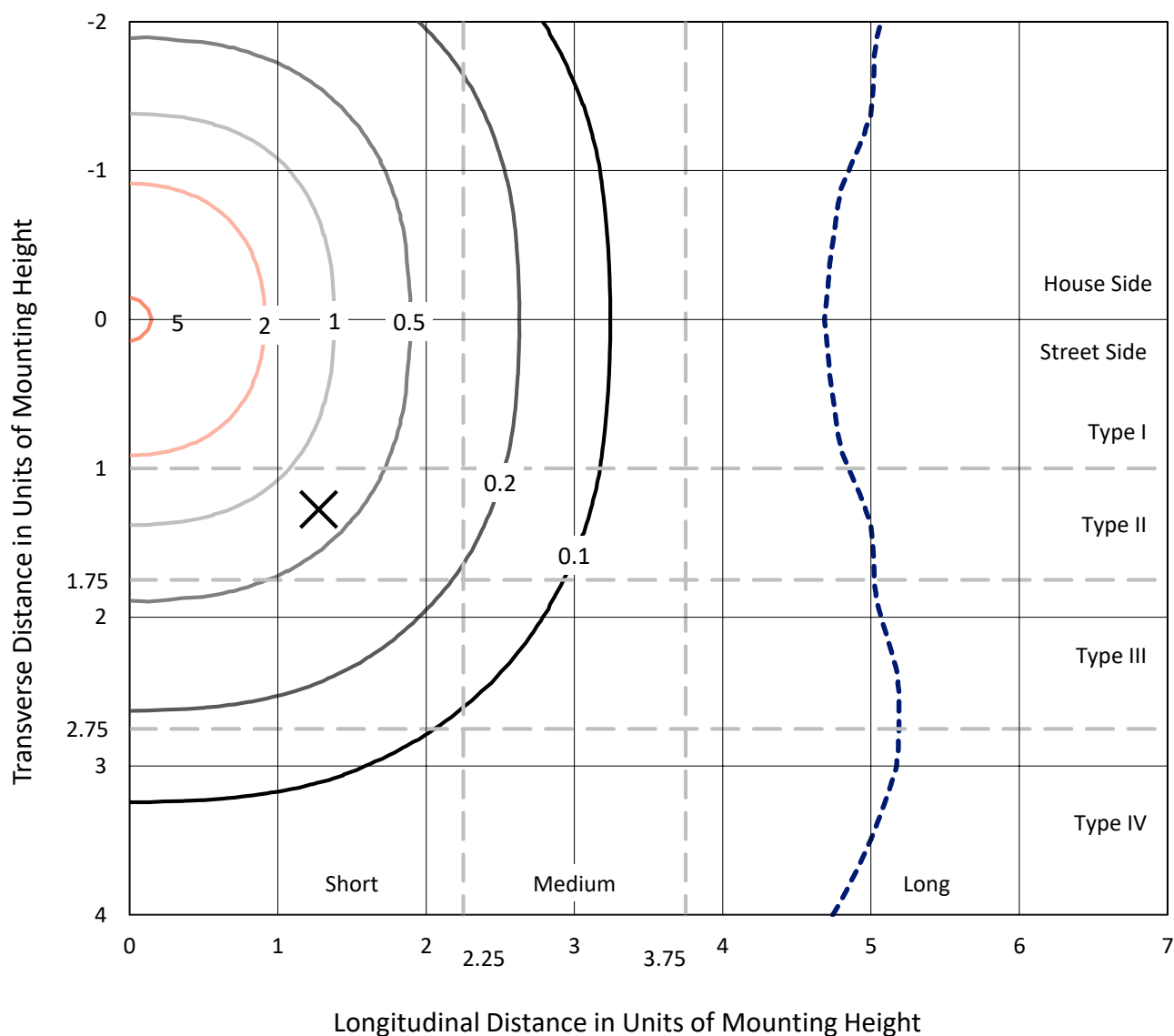


REPORT NUMBER: P197724

CATALOG NUMBER: TT-C6-LED-E1-MQ-CG-7060

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

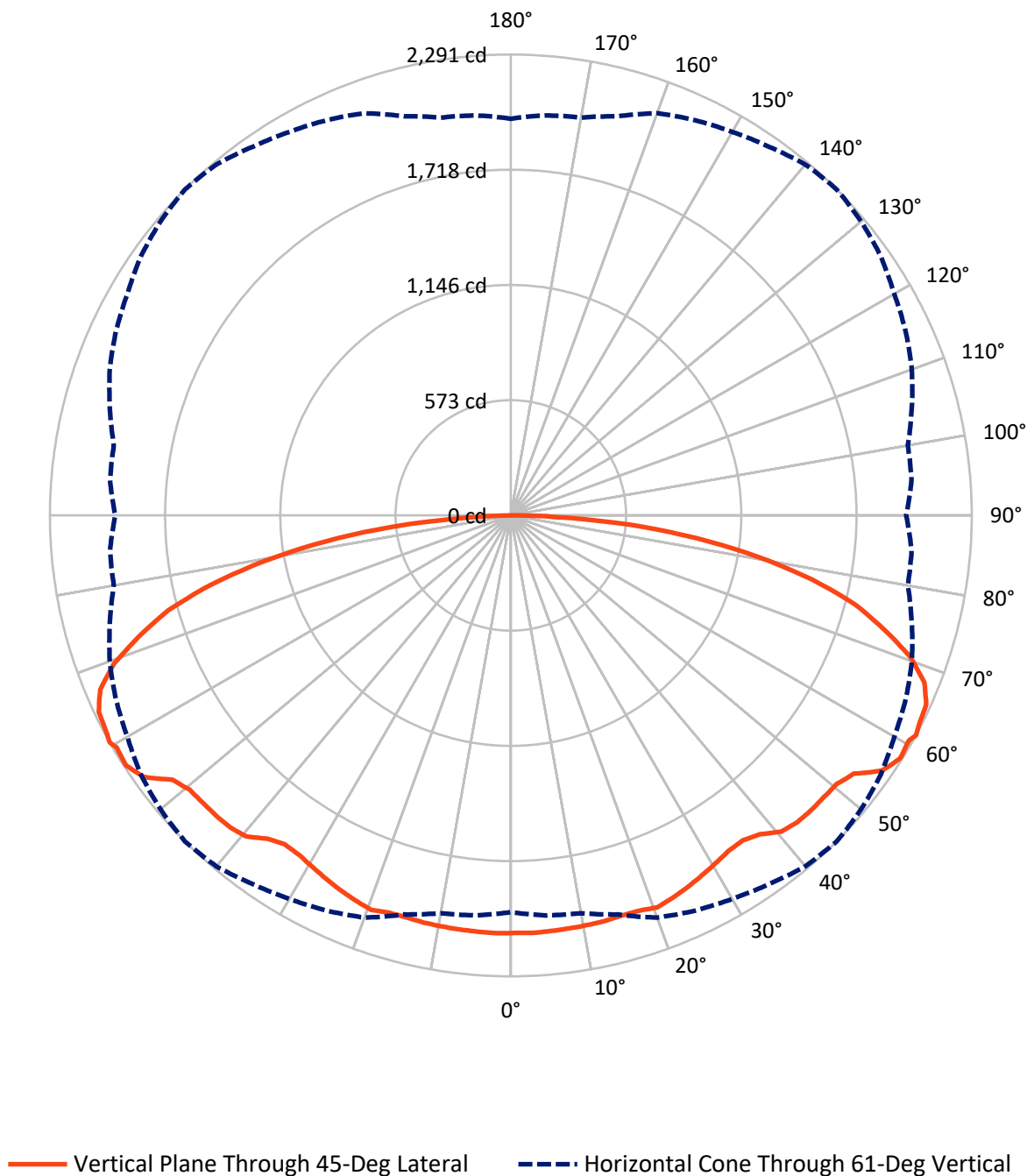


Based on 20 foot mounting height. Maximum calculated value = 5.2 fc
 Type V - Short - Semi-Cutoff

REPORT NUMBER: P197724

CATALOG NUMBER: TT-C6-LED-E1-MQ-CG-7060

Luminous Intensity Polar Plot



REPORT NUMBER: P197724

CATALOG NUMBER: TT-C6-LED-E1-MQ-CG-7060

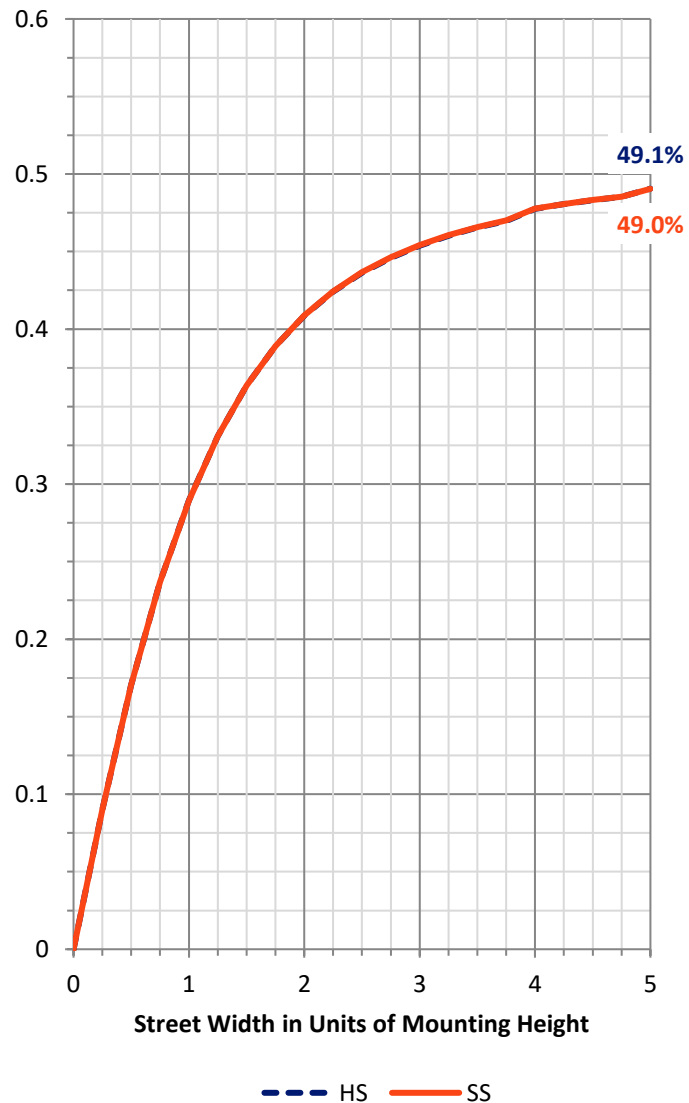
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5356.4	0.0	5356.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5356.4	0.0	5356.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	10712.8	0.0	10712.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	198.0	1.8
10°-20°	585.4	5.5
20°-30°	941.9	8.8
30°-40°	1247.8	11.6
40°-50°	1575.7	14.7
50°-60°	1888.0	17.6
60°-70°	2064.4	19.3
70°-80°	1652.6	15.4
80°-90°	559.1	5.2
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°	10712.8	100.0
0°-180°	10712.8	100.0

Coefficient of Utilization



REPORT NUMBER: P197724

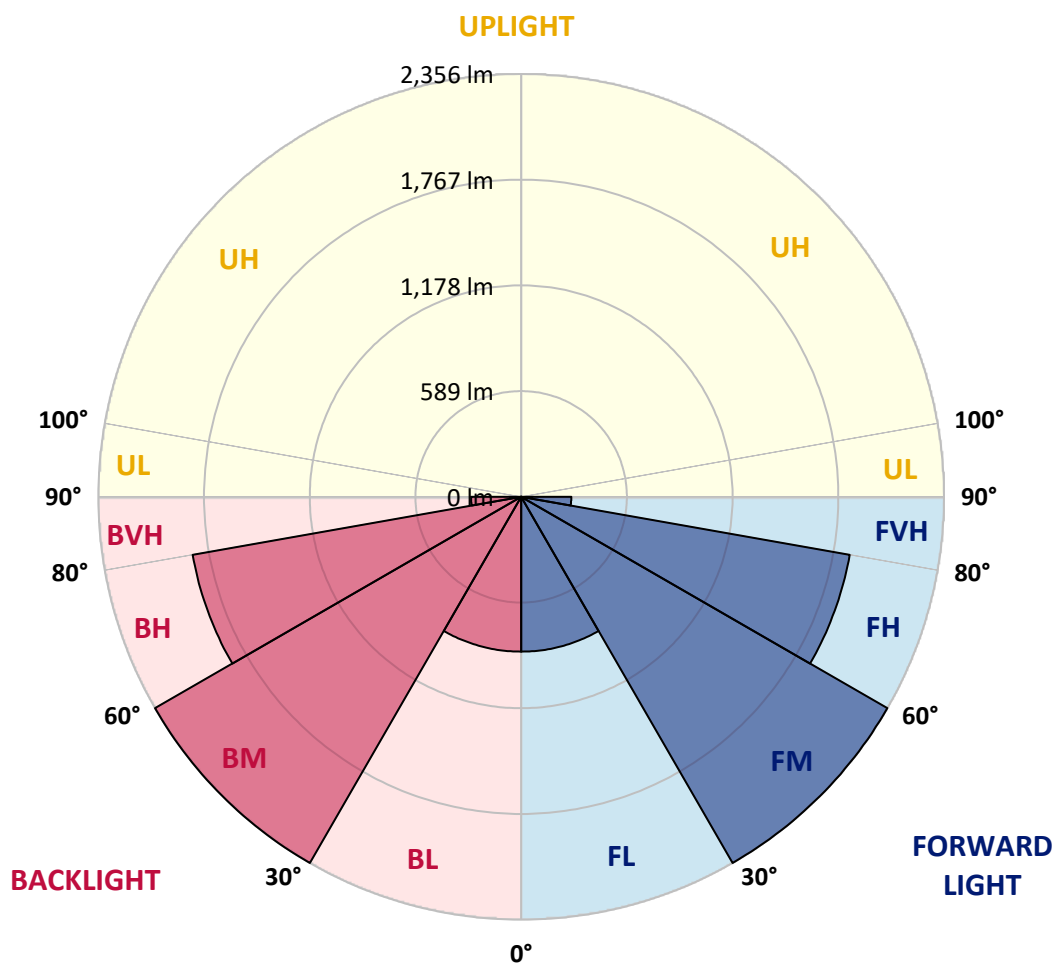
CATALOG NUMBER: TT-C6-LED-E1-MQ-CG-7060

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	862.6	8.1			
FM	(30°-60°)	2355.7	22.0			
FH	(60°-80°)	1858.5	17.3			G2/5000
FVH	(80°-90°)	279.6	2.6			G3/500
BL	(0°-30°)	862.6	8.1	B2/1000		
BM	(30°-60°)	2355.7	22.0	B2/2500		
BH	(60°-80°)	1858.5	17.3	B3/2500		G2/5000
BVH	(80°-90°)	279.6	2.6			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type V Short



REPORT NUMBER: P197724

CATALOG NUMBER: TT-C6-LED-E1-MQ-CG-7060

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	2075.5	2075.5	2075.5	2075.5	2075.5	2075.5	2075.5	2075.5	2075.5	2075.5	2075.5
2.5°	2077.5	2075.5	2077.5	2077.5	2077.5	2077.5	2077.5	2077.5	2077.5	2077.5	2077.5
5°	2075.5	2075.5	2075.5	2075.5	2075.5	2075.5	2075.5	2075.5	2075.5	2075.5	2075.5
7.5°	2073.5	2073.5	2073.5	2073.5	2073.5	2073.5	2073.5	2073.5	2075.5	2073.5	2075.5
10°	2069.6	2069.6	2069.6	2069.6	2071.4	2071.4	2071.4	2071.4	2071.4	2071.4	2071.4
12.5°	2065.6	2065.6	2065.6	2065.6	2067.6	2067.6	2067.6	2067.6	2069.6	2069.6	2067.6
15°	2061.5	2059.5	2059.5	2061.5	2061.5	2063.6	2063.6	2063.6	2065.6	2063.6	2063.6
17.5°	2057.5	2055.5	2057.5	2059.5	2059.5	2061.5	2063.6	2063.6	2065.6	2065.6	2065.6
20°	2063.6	2061.5	2063.6	2065.6	2067.6	2071.4	2073.5	2075.5	2077.5	2079.5	2079.5
22.5°	2051.7	2049.6	2051.7	2051.7	2053.7	2055.5	2059.5	2061.5	2063.6	2063.6	2063.6
25°	2033.7	2033.7	2035.7	2035.7	2037.7	2039.5	2041.5	2043.6	2043.6	2045.6	2043.6
27.5°	2013.7	2013.7	2015.7	2015.7	2019.7	2019.7	2021.8	2023.6	2025.6	2025.6	2025.6
30°	1989.8	1989.8	1991.6	1993.6	1997.7	1999.7	2001.7	2003.8	2005.8	2005.8	2005.8
32.5°	1967.8	1965.8	1967.8	1971.8	1977.7	1981.7	1985.8	1987.8	1987.8	1987.8	1989.8
35°	1949.8	1951.8	1955.9	1959.7	1967.8	1971.8	1975.7	1981.7	1983.8	1983.8	1983.8
37.5°	1953.9	1955.9	1961.7	1969.8	1979.7	1991.6	1999.7	2007.6	2013.7	2011.6	2009.6
40°	1979.7	1983.8	1993.6	2005.8	2021.8	2037.7	2049.6	2059.5	2065.6	2067.6	2065.6
42.5°	1983.8	1987.8	1995.7	2013.7	2031.6	2049.6	2065.6	2075.5	2083.6	2085.6	2083.6
45°	1981.7	1981.7	1993.6	2013.7	2031.6	2049.6	2069.6	2083.6	2091.5	2091.5	2091.5
47.5°	1967.8	1973.9	1981.7	2001.7	2025.6	2043.6	2063.6	2077.5	2087.4	2093.5	2087.4
50°	1967.8	1967.8	1981.7	1995.7	2017.7	2049.6	2077.5	2091.5	2101.6	2099.5	2101.6
52.5°	1963.7	1975.7	1983.8	2003.8	2043.6	2075.5	2097.5	2117.5	2131.5	2133.5	2129.4
55°	1999.7	2001.7	2019.7	2057.5	2095.5	2131.5	2171.3	2201.2	2225.2	2239.2	2219.2
57.5°	2027.6	2017.7	2053.7	2085.6	2129.4	2183.4	2243.2	2267.1	2285.0	2281.0	2287.1
60°	1989.8	2003.8	2029.6	2063.6	2133.5	2187.2	2219.2	2245.2	2267.1	2273.1	2265.0
61°	1971.8	1995.7	2007.6	2053.7	2127.4	2167.4	2201.2	2237.1	2277.2	2291.1	2273.1
62.5°	1941.9	1979.7	1975.7	2049.6	2095.5	2141.4	2205.2	2247.3	2275.1	2279.2	2275.1
65°	1943.7	1937.9	1983.8	2037.7	2083.6	2165.4	2219.2	2245.2	2261.2	2269.1	2265.0
67.5°	1879.9	1860.1	1915.9	1953.9	2031.6	2095.5	2147.4	2185.2	2209.3	2217.1	2207.2
70°	1732.4	1746.3	1786.1	1844.1	1908.0	1985.8	2033.7	2083.6	2103.4	2105.4	2105.4
72.5°	1590.5	1598.6	1638.4	1692.4	1766.1	1834.0	1881.9	1921.9	1939.9	1941.9	1945.8
75°	1403.0	1410.9	1457.0	1506.9	1580.6	1638.4	1672.4	1720.2	1746.3	1768.1	1750.1
77.5°	1185.4	1199.5	1235.3	1289.2	1357.1	1389.1	1448.9	1504.8	1522.8	1528.7	1522.8
80°	940.1	958.0	990.0	1061.7	1091.6	1143.5	1201.3	1225.4	1241.3	1245.4	1247.4
82.5°	676.5	690.5	724.4	774.3	808.3	850.1	890.1	920.0	938.0	934.0	932.0
85°	399.1	403.1	439.1	473.1	498.9	524.8	556.7	578.7	582.8	590.7	588.6
87.5°	119.8	121.6	137.6	155.6	167.7	179.6	199.7	225.5	231.6	215.6	217.6
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: P197724

CATALOG NUMBER: TT-C6-LED-E1-MQ-CG-7060

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	2075.5	2075.5	2075.5	2075.5	2075.5	2075.5	2075.5	2075.5
2.5°	2077.5	2077.5	2077.5	2077.5	2077.5	2077.5	2075.5	2077.5
5°	2075.5	2075.5	2075.5	2075.5	2075.5	2075.5	2075.5	2075.5
7.5°	2075.5	2073.5	2073.5	2073.5	2073.5	2073.5	2073.5	2073.5
10°	2071.4	2071.4	2071.4	2071.4	2069.6	2069.6	2069.6	2069.6
12.5°	2067.6	2067.6	2067.6	2067.6	2065.6	2065.6	2065.6	2065.6
15°	2063.6	2063.6	2063.6	2063.6	2061.5	2061.5	2061.5	2061.5
17.5°	2065.6	2063.6	2061.5	2061.5	2059.5	2057.5	2057.5	2057.5
20°	2077.5	2075.5	2071.4	2067.6	2065.6	2063.6	2063.6	2063.6
22.5°	2061.5	2059.5	2055.5	2053.7	2053.7	2051.7	2049.6	2049.6
25°	2043.6	2039.5	2039.5	2037.7	2037.7	2033.7	2033.7	2031.6
27.5°	2023.6	2021.8	2019.7	2017.7	2017.7	2015.7	2013.7	2011.6
30°	2005.8	2001.7	1997.7	1995.7	1993.6	1991.6	1991.6	1991.6
32.5°	1987.8	1983.8	1981.7	1975.7	1971.8	1969.8	1967.8	1967.8
35°	1981.7	1975.7	1971.8	1965.8	1959.7	1955.9	1953.9	1949.8
37.5°	2005.8	1997.7	1991.6	1981.7	1967.8	1961.7	1955.9	1953.9
40°	2057.5	2049.6	2037.7	2021.8	2005.8	1993.6	1983.8	1979.7
42.5°	2075.5	2065.6	2049.6	2033.7	2013.7	1995.7	1987.8	1983.8
45°	2081.6	2071.4	2049.6	2029.6	2011.6	1995.7	1983.8	1979.7
47.5°	2075.5	2061.5	2041.5	2025.6	1999.7	1979.7	1971.8	1965.8
50°	2089.4	2077.5	2051.7	2015.7	1993.6	1981.7	1967.8	1965.8
52.5°	2117.5	2095.5	2071.4	2045.6	2003.8	1979.7	1971.8	1961.7
55°	2201.2	2171.3	2129.4	2087.4	2061.5	2023.6	1999.7	1999.7
57.5°	2265.0	2241.2	2187.2	2131.5	2083.6	2055.5	2019.7	2021.8
60°	2247.3	2215.3	2189.3	2133.5	2065.6	2027.6	2013.7	1987.8
61°	2245.2	2201.2	2165.4	2121.4	2063.6	2003.8	1999.7	1965.8
62.5°	2249.1	2209.3	2141.4	2095.5	2051.7	1973.9	1971.8	1939.9
65°	2245.2	2207.2	2173.3	2087.4	2027.6	1995.7	1927.8	1953.9
67.5°	2183.4	2149.5	2087.4	2039.5	1947.8	1908.0	1870.0	1870.0
70°	2085.6	2035.7	1975.7	1915.9	1854.0	1786.1	1752.2	1732.4
72.5°	1921.9	1879.9	1832.0	1768.1	1692.4	1630.5	1598.6	1584.7
75°	1716.4	1670.3	1628.5	1580.6	1500.8	1448.9	1414.9	1405.0
77.5°	1500.8	1460.8	1387.0	1341.2	1287.2	1227.4	1197.5	1185.4
80°	1225.4	1203.3	1151.6	1077.7	1051.8	977.8	958.0	940.1
82.5°	920.0	896.0	848.1	796.4	764.5	722.4	686.4	682.6
85°	578.7	562.8	532.9	494.9	455.1	431.0	399.1	407.2
87.5°	215.6	205.5	187.5	163.7	145.7	129.7	113.8	119.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)