

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: P197529

Luminaire Tested: **TT-C6-LED-E1-5CQ-PM-LWR-LW-8030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P197529  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P115438)  
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-E1-5CQ-PM-LWR-LW-8030  
Description: TOPTIER LED AREA/SITE LUMINAIRE  
CONCENTRATED DISTRIBUTION WITH LumaWatt WIRELESS SENSOR  
Light Source: (160) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8320.3 lumens  
Efficiency: N/A  
Efficacy: 77.0 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

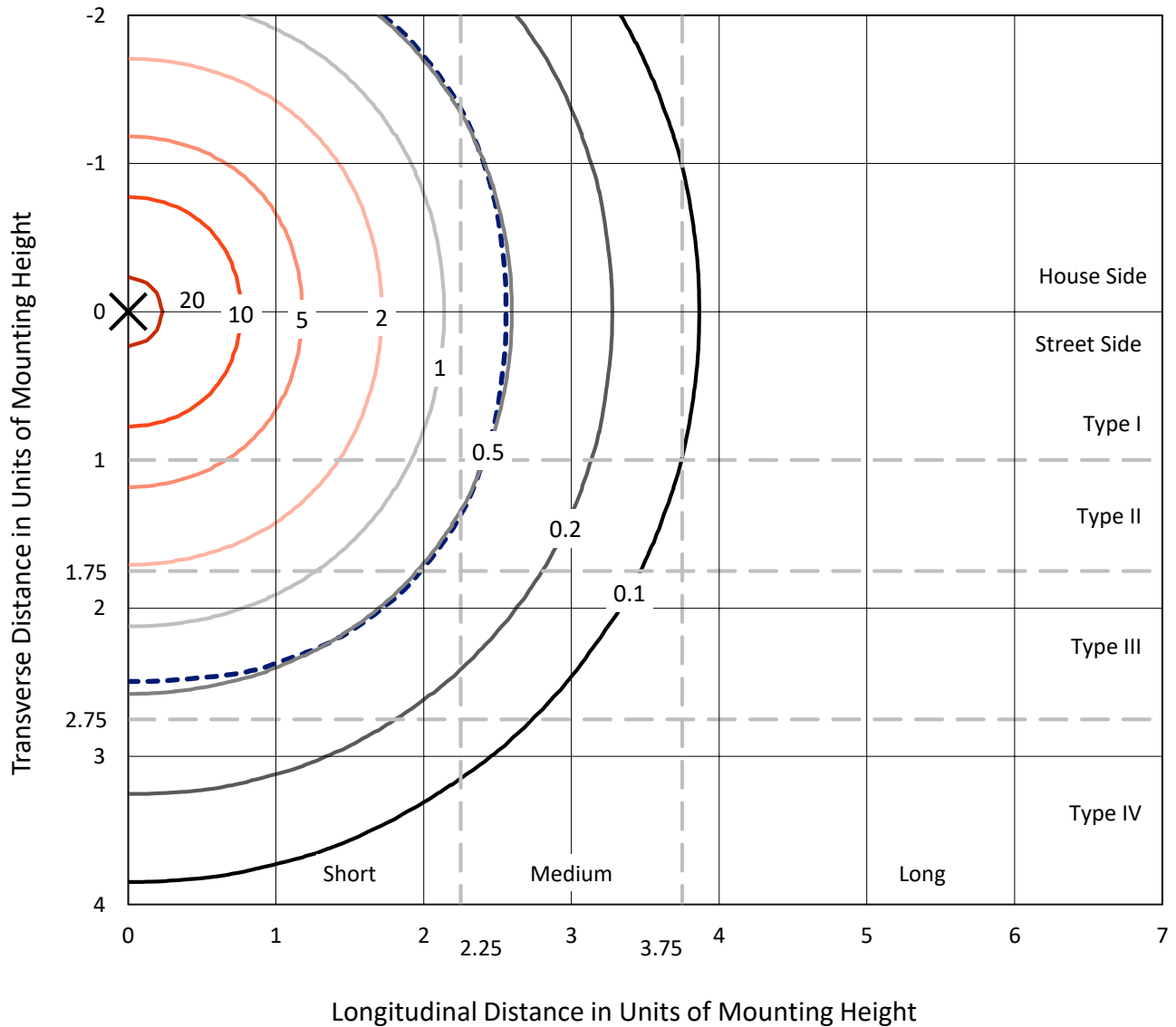


REPORT NUMBER: P197529

CATALOG NUMBER: TT-C6-LED-E1-5CQ-PM-LWR-LW-8030

### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

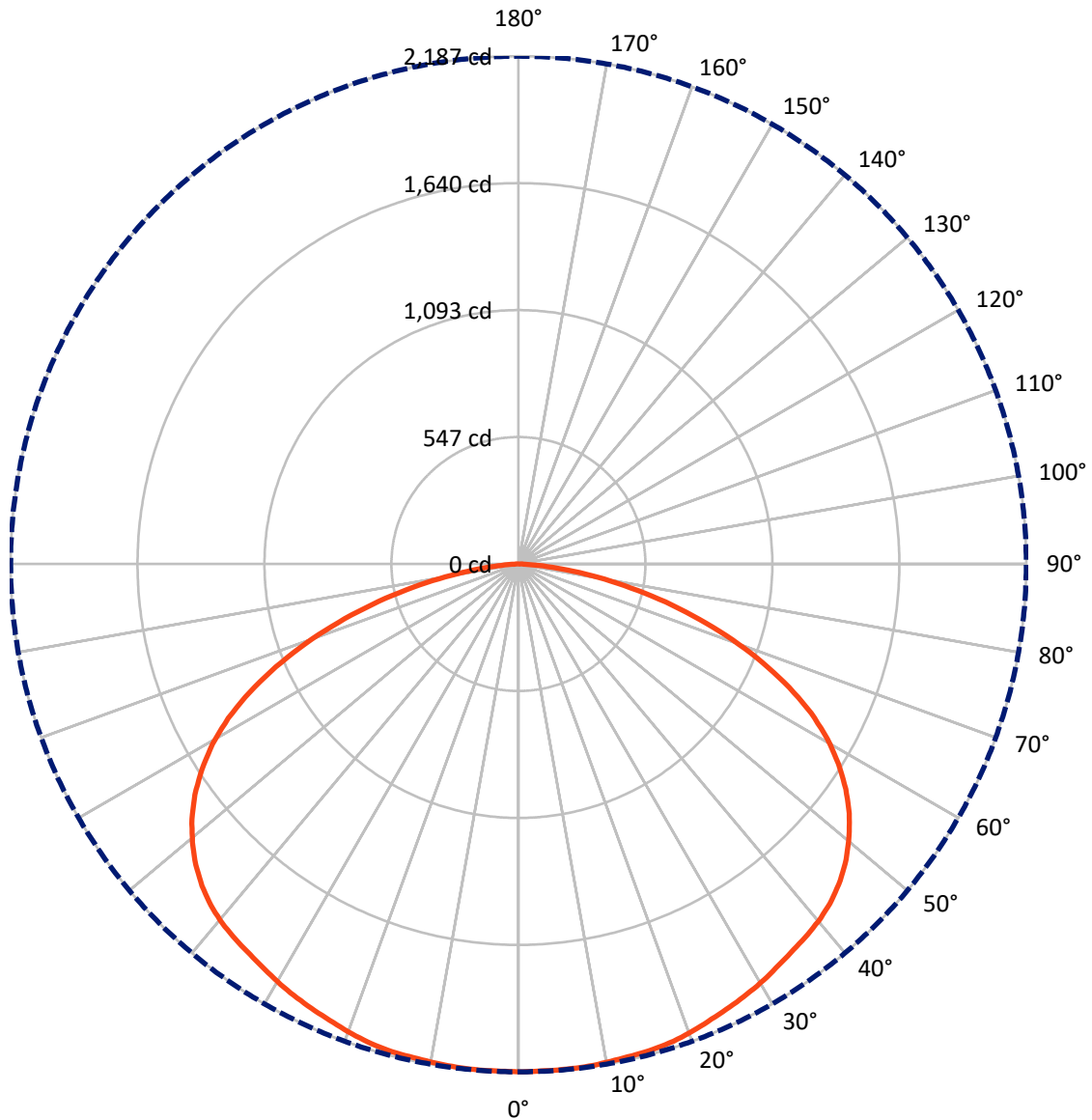


Based on 10 foot mounting height. Maximum calculated value = 21.9 fc  
 Type V - Short - Full Cutoff

REPORT NUMBER: P197529

CATALOG NUMBER: TT-C6-LED-E1-5CQ-PM-LWR-LW-8030

### Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral      - - - Horizontal Cone Through 0-Deg Vertical

REPORT NUMBER: P197529

CATALOG NUMBER: TT-C6-LED-E1-5CQ-PM-LWR-LW-8030

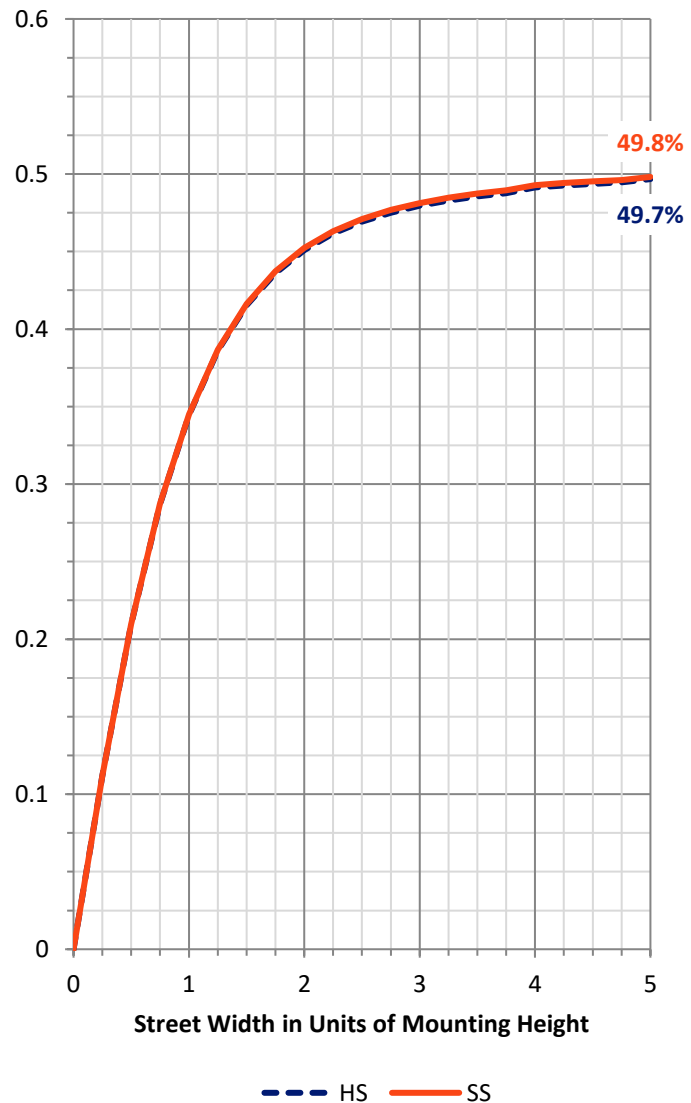
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4160.2	0.0	4160.2
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4160.2	0.0	4160.2
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	8320.3	0.0	8320.3
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	208.3	2.5
10°-20°	613.6	7.4
20°-30°	977.2	11.7
30°-40°	1281.2	15.4
40°-50°	1511.1	18.2
50°-60°	1565.0	18.8
60°-70°	1308.8	15.7
70°-80°	713.4	8.6
80°-90°	141.6	1.7
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°	8320.3	100.0
0°-180°	8320.3	100.0



REPORT NUMBER: P197529

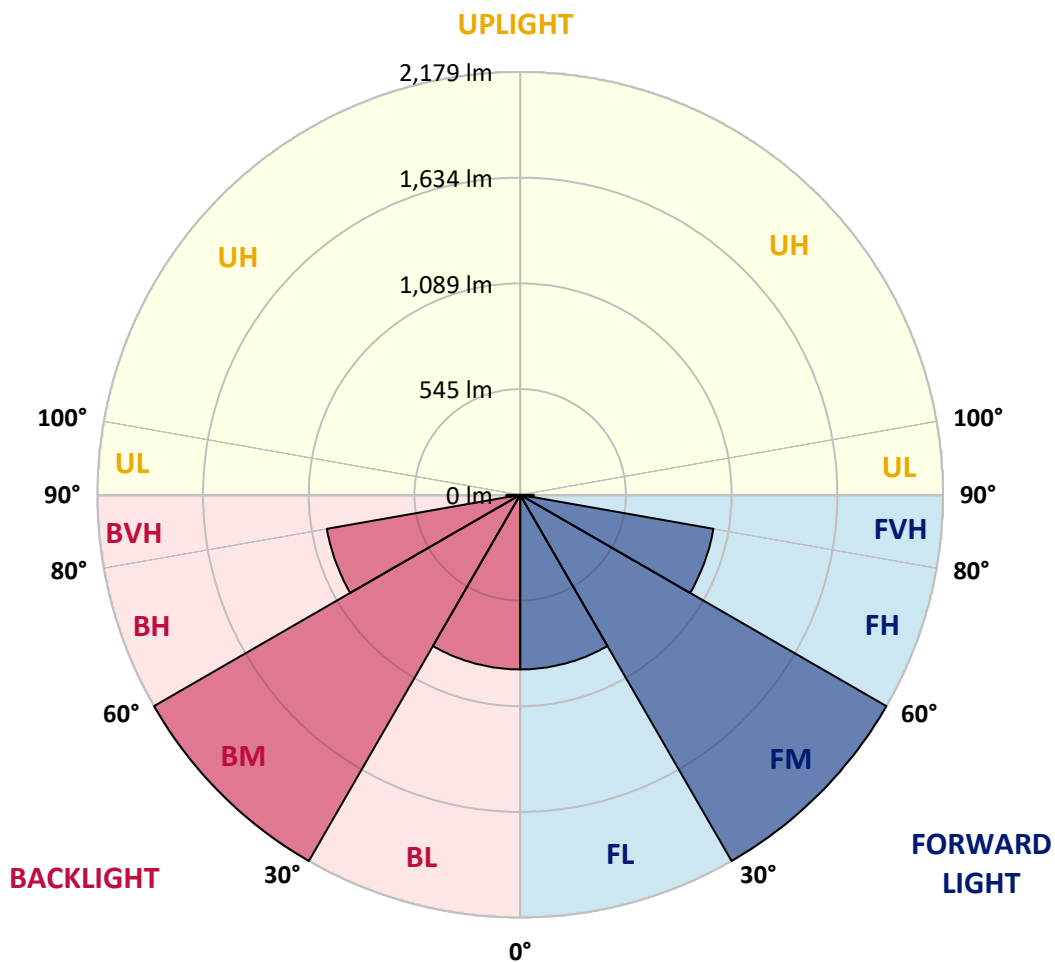
CATALOG NUMBER: TT-C6-LED-E1-5CQ-PM-LWR-LW-8030

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	899.6	10.8			
FM	(30°-60°)	2178.7	26.2			
FH	(60°-80°)	1011.1	12.2			G1/1800
FVH	(80°-90°)	70.8	0.9			G1/100
BL	(0°-30°)	899.6	10.8	B2/1000		
BM	(30°-60°)	2178.7	26.2	B2/2500		
BH	(60°-80°)	1011.1	12.2	B3/2500		G1/1800
BVH	(80°-90°)	70.8	0.9			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: P197529

CATALOG NUMBER: TT-C6-LED-E1-5CQ-PM-LWR-LW-8030

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	2186.6	2186.6	2186.6	2186.6	2186.6	2186.6	2186.6	2186.6	2186.6	2186.6	2186.6
2.5°	2184.9	2186.6	2186.6	2186.6	2186.6	2186.6	2186.6	2186.6	2184.9	2186.6	2186.6
5°	2184.9	2184.9	2184.9	2184.9	2186.6	2184.9	2184.9	2184.9	2184.9	2184.9	2184.9
7.5°	2183.1	2181.4	2181.4	2181.4	2181.4	2181.4	2183.1	2183.1	2183.1	2183.1	2183.1
10°	2177.8	2177.8	2177.8	2177.8	2177.8	2177.8	2177.8	2177.8	2177.8	2177.8	2177.8
12.5°	2172.6	2172.6	2172.6	2172.6	2174.3	2174.3	2174.3	2174.3	2174.3	2174.3	2172.6
15°	2169.1	2169.1	2169.1	2169.1	2169.1	2169.1	2169.1	2169.1	2169.1	2169.1	2169.1
17.5°	2160.3	2160.3	2160.3	2160.3	2162.1	2162.1	2162.1	2162.1	2162.1	2162.1	2162.1
20°	2146.3	2146.3	2146.3	2146.3	2146.3	2148.0	2149.9	2149.9	2149.9	2149.9	2149.9
22.5°	2128.8	2128.8	2130.5	2130.5	2132.3	2132.3	2134.1	2134.1	2134.1	2134.1	2134.1
25°	2113.1	2113.1	2113.1	2114.8	2114.8	2114.8	2116.5	2118.4	2118.4	2118.4	2116.5
27.5°	2097.3	2097.3	2097.3	2099.0	2099.0	2099.0	2100.8	2100.8	2102.6	2100.8	2100.8
30°	2079.8	2078.1	2078.1	2079.8	2081.5	2081.5	2083.3	2083.3	2083.3	2083.3	2081.5
32.5°	2058.8	2058.8	2060.6	2062.3	2062.3	2064.0	2065.8	2065.8	2065.8	2067.5	2064.0
35°	2039.6	2041.3	2041.3	2043.1	2046.5	2048.3	2050.0	2051.8	2051.8	2051.8	2048.3
37.5°	2023.8	2025.6	2027.3	2030.8	2034.3	2037.8	2041.3	2044.8	2043.1	2043.1	2037.8
40°	2004.5	2006.2	2009.8	2013.3	2020.3	2023.8	2029.1	2032.5	2034.3	2032.5	2027.3
42.5°	1978.3	1980.0	1983.5	1988.7	1997.5	2004.5	2009.8	2015.0	2016.8	2015.0	2009.8
45°	1943.2	1945.1	1948.5	1955.5	1966.0	1973.0	1981.8	1987.0	1990.5	1990.5	1985.3
47.5°	1899.5	1901.3	1906.5	1913.5	1924.0	1932.8	1943.2	1950.3	1953.8	1957.2	1952.0
50°	1845.2	1846.9	1854.0	1862.7	1871.5	1883.8	1895.9	1906.5	1911.7	1913.5	1911.7
52.5°	1783.9	1785.7	1792.7	1801.4	1813.7	1827.7	1841.7	1854.0	1861.0	1864.4	1861.0
55°	1710.5	1713.9	1719.2	1731.4	1745.4	1757.7	1775.2	1789.2	1797.9	1799.7	1797.9
57.5°	1624.6	1629.9	1635.2	1649.2	1663.2	1680.7	1694.7	1708.7	1719.2	1720.9	1720.9
60°	1528.3	1531.8	1537.1	1551.2	1566.9	1579.1	1598.4	1612.3	1621.1	1621.1	1622.9
62.5°	1414.6	1418.0	1426.8	1437.3	1454.8	1467.1	1482.8	1496.8	1505.6	1509.1	1507.4
65°	1281.5	1285.0	1290.3	1304.3	1318.3	1332.3	1348.1	1360.2	1369.0	1370.8	1369.0
67.5°	1134.4	1137.9	1141.5	1159.0	1173.0	1178.2	1197.5	1208.0	1213.2	1215.0	1215.0
70°	978.6	980.4	985.7	994.4	1010.1	1015.4	1027.6	1036.4	1039.9	1047.0	1041.6
72.5°	815.8	819.3	831.6	833.3	845.6	852.6	856.0	856.0	864.8	864.8	866.6
75°	654.8	656.5	661.8	663.5	672.3	672.3	670.6	674.0	681.0	681.0	682.7
77.5°	495.4	495.4	504.2	497.2	500.7	493.7	497.2	493.7	499.0	497.2	499.0
80°	346.6	346.6	351.9	344.9	346.6	339.7	341.4	339.7	339.7	341.4	341.4
82.5°	213.6	215.4	218.8	213.6	213.6	208.3	210.0	211.8	211.8	210.0	208.3
85°	105.1	105.1	108.6	106.8	105.1	101.5	103.3	105.1	105.1	103.3	103.3
87.5°	28.0	28.0	29.8	29.8	28.0	26.3	28.0	29.8	29.8	29.8	28.0
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: P197529

CATALOG NUMBER: TT-C6-LED-E1-5CQ-PM-LWR-LW-8030

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°
0°	2186.6	2186.6	2186.6	2186.6	2186.6	2186.6	2186.6	2186.6
2.5°	2184.9	2184.9	2186.6	2184.9	2186.6	2184.9	2186.6	2186.6
5°	2184.9	2184.9	2184.9	2184.9	2184.9	2184.9	2184.9	2184.9
7.5°	2181.4	2183.1	2181.4	2181.4	2181.4	2183.1	2181.4	2183.1
10°	2177.8	2177.8	2177.8	2177.8	2177.8	2177.8	2177.8	2177.8
12.5°	2172.6	2172.6	2172.6	2172.6	2172.6	2172.6	2172.6	2170.9
15°	2169.1	2167.4	2167.4	2167.4	2165.6	2165.6	2165.6	2165.6
17.5°	2162.1	2160.3	2158.6	2158.6	2158.6	2158.6	2156.8	2156.8
20°	2149.9	2148.0	2146.3	2146.3	2144.6	2144.6	2142.8	2142.8
22.5°	2132.3	2132.3	2130.5	2128.8	2128.8	2127.1	2127.1	2125.3
25°	2116.5	2114.8	2113.1	2111.3	2109.6	2109.6	2107.8	2106.1
27.5°	2099.0	2095.6	2093.8	2092.1	2090.3	2088.6	2086.9	2085.0
30°	2079.8	2076.3	2072.8	2071.1	2067.5	2064.0	2062.3	2060.6
32.5°	2060.6	2057.1	2051.8	2046.5	2043.1	2039.6	2036.0	2034.3
35°	2044.8	2037.8	2032.5	2025.6	2020.3	2015.0	2013.3	2011.6
37.5°	2032.5	2025.6	2016.8	2009.8	2004.5	1997.5	1994.1	1990.5
40°	2020.3	2011.6	2001.0	1992.3	1985.3	1976.6	1973.0	1969.5
42.5°	2002.8	1992.3	1981.8	1971.2	1960.8	1952.0	1946.8	1943.2
45°	1978.3	1967.8	1955.5	1941.5	1931.0	1920.5	1915.3	1911.7
47.5°	1945.1	1934.5	1920.5	1908.2	1895.9	1885.5	1878.5	1875.0
50°	1904.7	1894.2	1880.2	1866.3	1854.0	1841.7	1836.5	1831.2
52.5°	1854.0	1845.2	1829.4	1819.0	1805.0	1792.7	1787.5	1783.9
55°	1791.0	1782.2	1766.4	1756.0	1742.0	1731.4	1724.5	1719.2
57.5°	1713.9	1706.9	1689.4	1678.9	1664.9	1654.4	1649.2	1645.7
60°	1619.4	1612.3	1594.8	1584.4	1572.1	1559.9	1556.4	1552.9
62.5°	1502.0	1498.6	1484.6	1472.4	1460.1	1447.8	1444.3	1442.6
65°	1365.6	1362.1	1349.8	1339.3	1328.7	1318.3	1314.8	1311.2
67.5°	1209.7	1208.0	1197.5	1188.8	1181.7	1171.2	1169.4	1165.9
70°	1043.4	1039.9	1031.2	1024.1	1018.9	1010.1	1008.4	1004.9
72.5°	870.1	868.3	863.1	854.3	854.3	842.0	840.3	838.6
75°	679.3	688.0	681.0	677.5	677.5	670.6	670.6	668.7
77.5°	497.2	505.9	511.2	504.2	511.2	504.2	504.2	502.5
80°	339.7	346.6	351.9	346.6	355.4	350.1	350.1	357.2
82.5°	206.6	213.6	217.1	215.4	220.6	218.8	217.1	222.3
85°	101.5	105.1	106.8	106.8	108.6	105.1	108.6	110.3
87.5°	26.3	28.0	29.8	28.0	29.8	29.8	29.8	31.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)