

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: P197553

Luminaire Tested: **TT-C6-LED-E1-5CQ-PM-MS/DIM-8030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P197553  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P115423)  
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-MS/DIM-8030  
Description: TOPTIER LED AREA/SITE LUMINAIRE  
CONCENTRATED DISTRIBUTION WITH DIMMING OCCUPANCY SENSOR  
Light Source: (160) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8880.4 lumens  
Efficiency: N/A  
Efficacy: 82.2 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

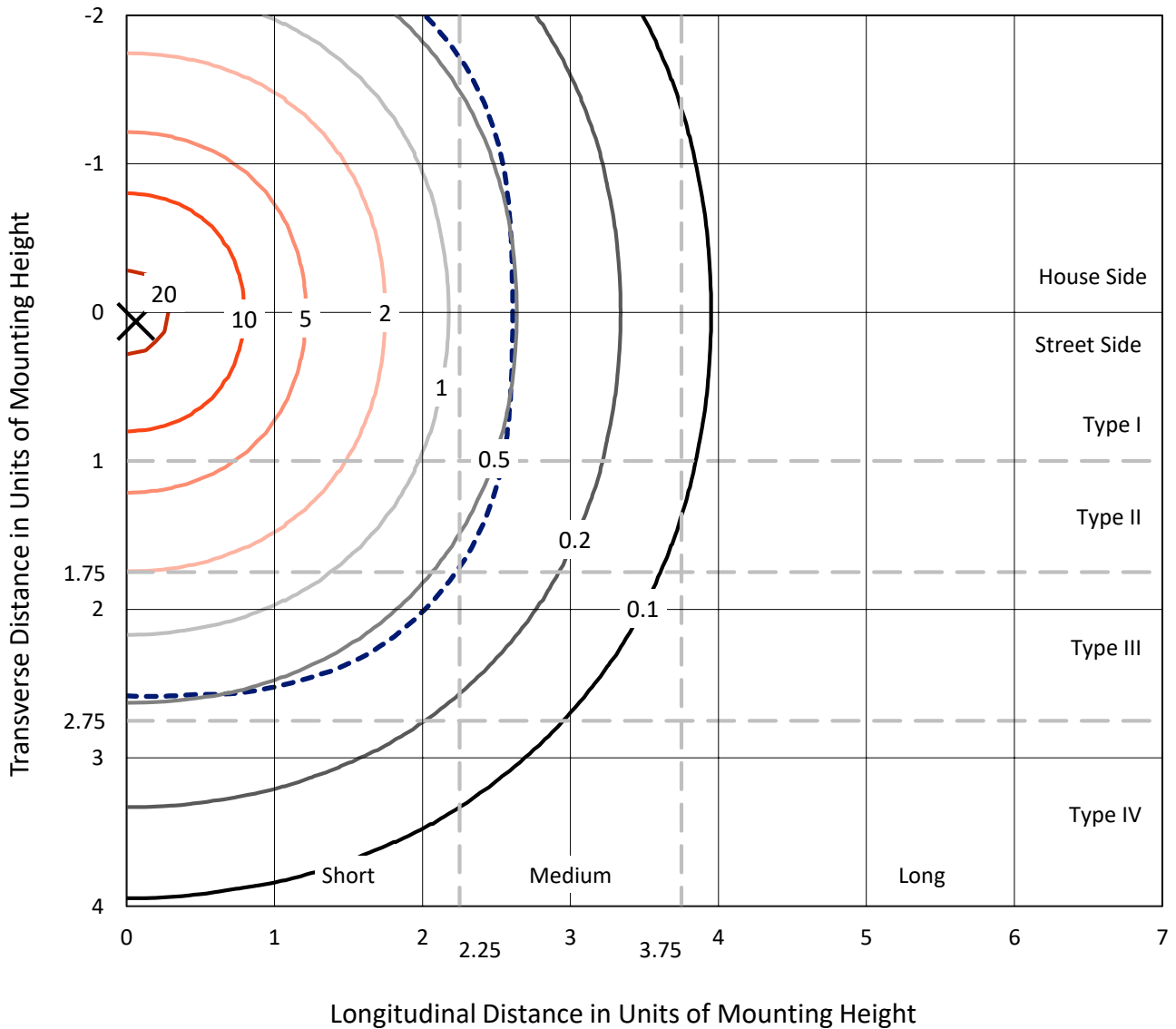


REPORT NUMBER: P197553

CATALOG NUMBER: TT-C6-LED-E1-5CQ-PM-MS/DIM-8030

### Iso-Footcandle Lines of Horizontal Illumination

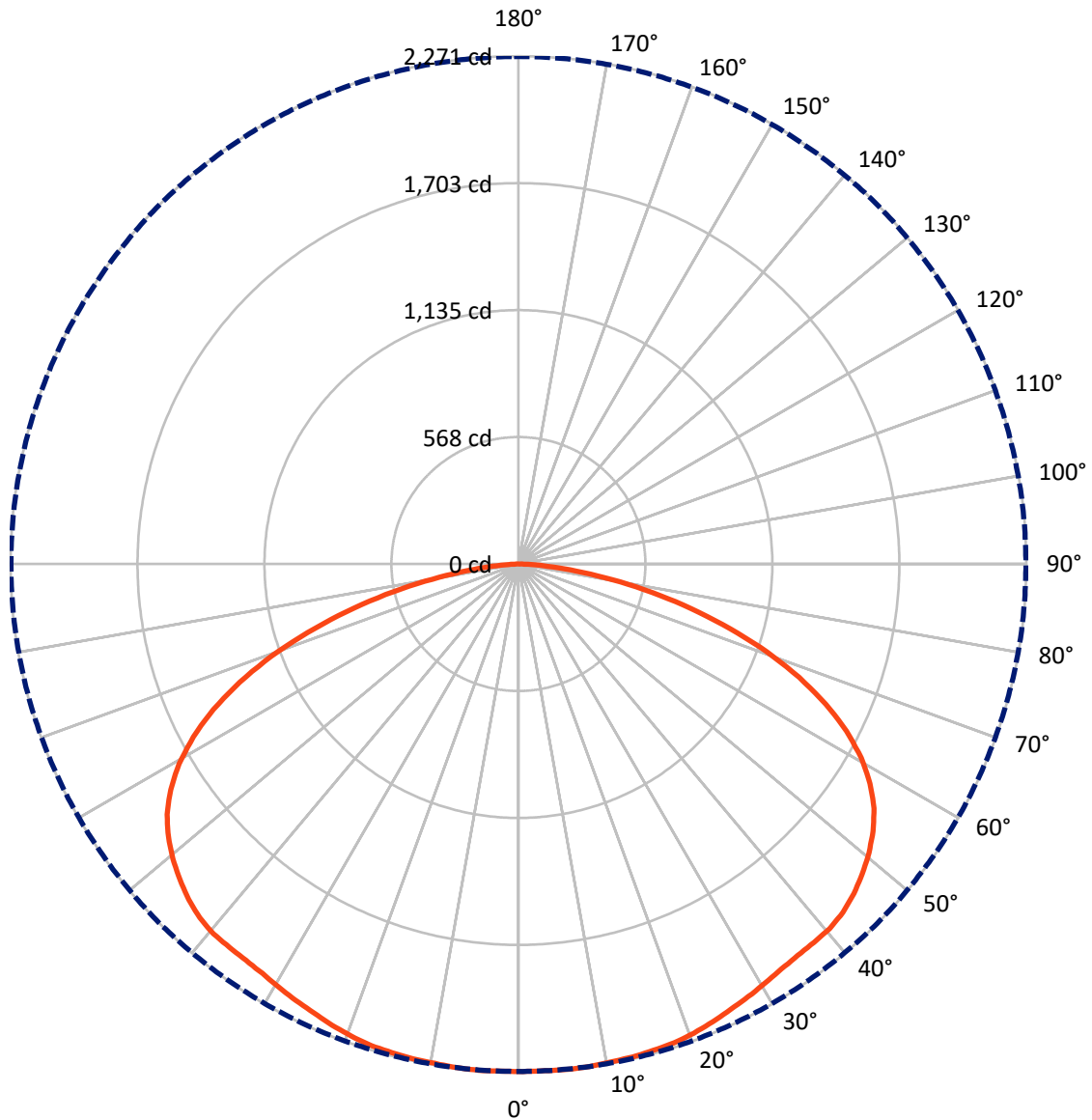
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 22.7 fc  
 Type V - Short - Full Cutoff

REPORT NUMBER: P197553  
CATALOG NUMBER: TT-C6-LED-E1-5CQ-PM-MS/DIM-8030

### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 5-Deg Vertical

REPORT NUMBER: P197553

CATALOG NUMBER: TT-C6-LED-E1-5CQ-PM-MS/DIM-8030

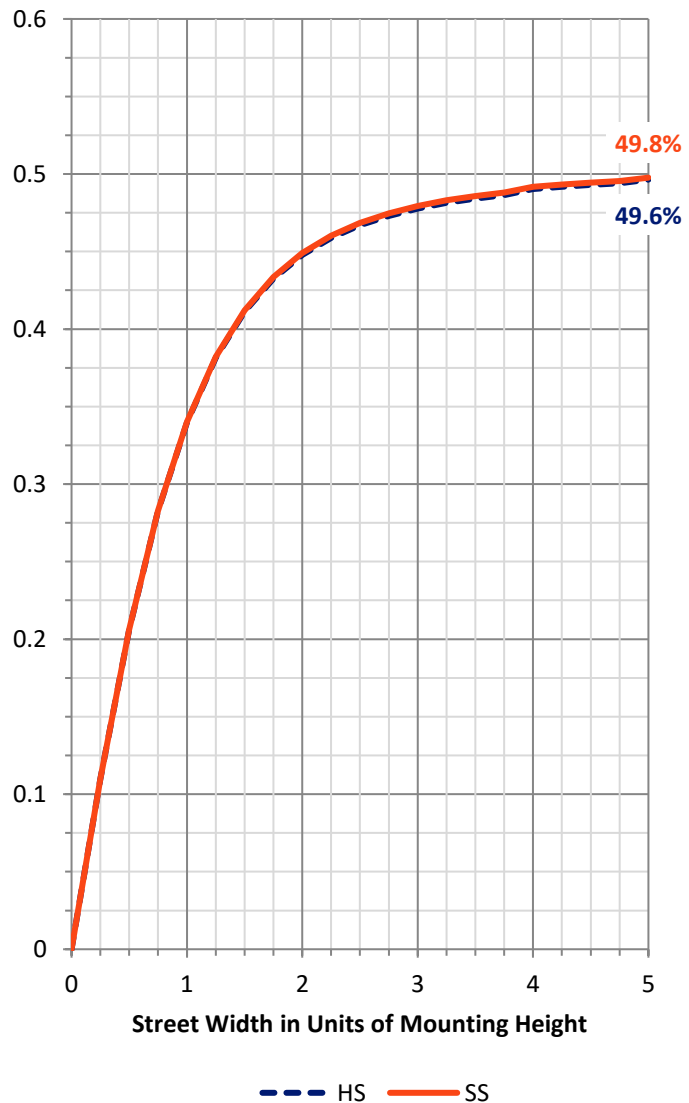
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4440.2	0.0	4440.2
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4440.2	0.0	4440.2
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	8880.4	0.0	8880.4
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	216.4	2.4
10°-20°	638.3	7.2
20°-30°	1018.6	11.5
30°-40°	1341.7	15.1
40°-50°	1595.9	18.0
50°-60°	1670.3	18.8
60°-70°	1420.4	16.0
70°-80°	807.2	9.1
80°-90°	171.6	1.9
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°	8880.4	100.0
0°-180°	8880.4	100.0



REPORT NUMBER: P197553

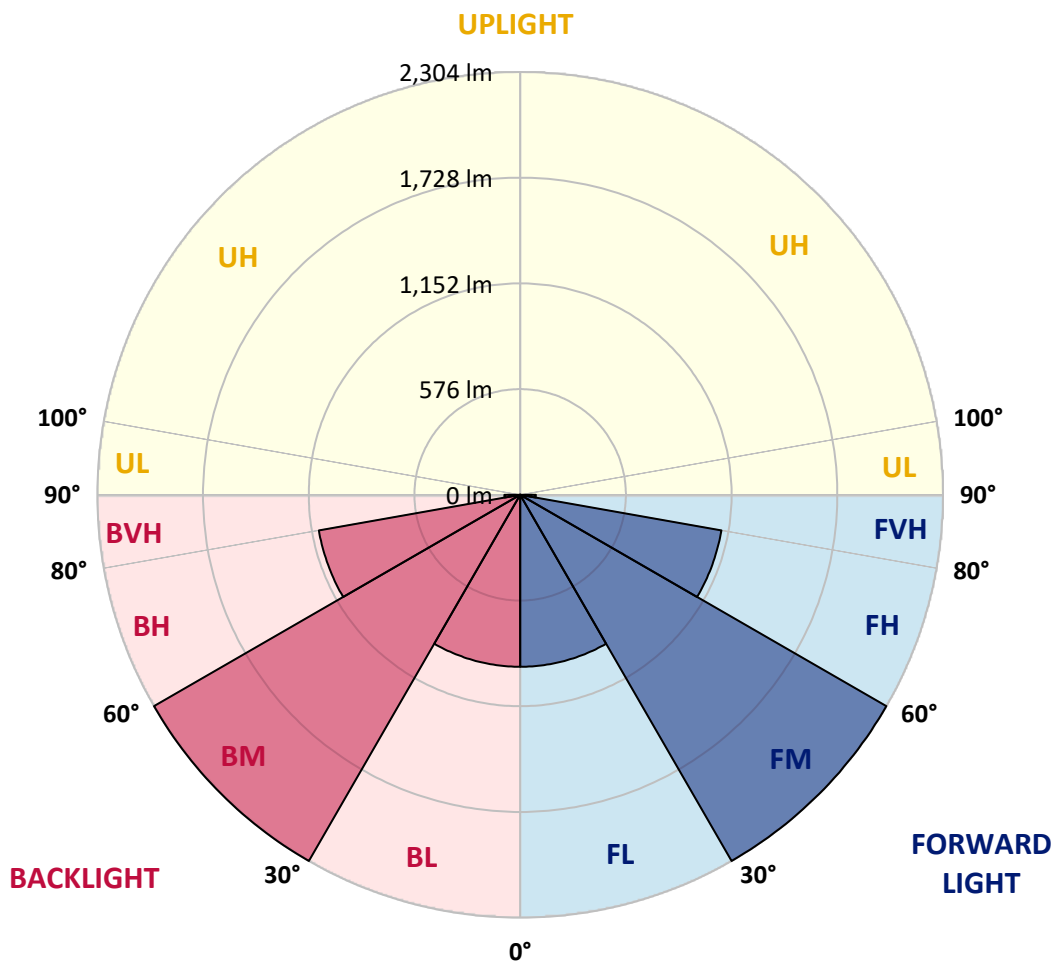
CATALOG NUMBER: TT-C6-LED-E1-5CQ-PM-MS/DIM-8030

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	936.6	10.5			
FM	(30°-60°)	2303.9	25.9			
FH	(60°-80°)	1113.8	12.5			G1/1800
FVH	(80°-90°)	85.8	1.0			G1/100
BL	(0°-30°)	936.6	10.5	B2/1000		
BM	(30°-60°)	2303.9	25.9	B2/2500		
BH	(60°-80°)	1113.8	12.5	B3/2500		G1/1800
BVH	(80°-90°)	85.8	1.0			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: P197553

CATALOG NUMBER: TT-C6-LED-E1-5CQ-PM-MS/DIM-8030

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	2268.9	2268.9	2268.9	2268.9	2268.9	2268.9	2268.9	2268.9	2268.9	2268.9	2268.9
2.5°	2268.9	2268.9	2268.9	2268.9	2268.9	2268.9	2268.9	2268.9	2268.9	2268.9	2268.9
5°	2268.9	2268.9	2268.9	2268.9	2268.9	2268.9	2268.9	2268.9	2268.9	2270.6	2268.9
7.5°	2267.1	2267.1	2267.1	2267.1	2268.9	2267.1	2267.1	2268.9	2268.9	2268.9	2268.9
10°	2263.7	2261.9	2261.9	2263.7	2263.7	2263.7	2263.7	2263.7	2265.4	2263.7	2263.7
12.5°	2258.3	2256.6	2258.3	2258.3	2258.3	2260.2	2260.2	2260.2	2261.9	2261.9	2260.2
15°	2253.1	2253.1	2253.1	2253.1	2253.1	2254.9	2254.9	2256.6	2256.6	2256.6	2256.6
17.5°	2246.2	2246.2	2246.2	2247.9	2247.9	2249.6	2249.6	2249.6	2251.4	2251.4	2251.4
20°	2233.9	2232.1	2233.9	2233.9	2235.6	2237.4	2237.4	2239.1	2239.1	2239.1	2239.1
22.5°	2216.4	2216.4	2218.1	2218.1	2219.9	2221.6	2221.6	2223.3	2223.3	2223.3	2223.3
25°	2198.9	2200.6	2200.6	2202.4	2202.4	2204.1	2205.8	2205.8	2205.8	2205.8	2205.8
27.5°	2181.4	2183.1	2183.1	2183.1	2184.9	2186.6	2188.4	2190.1	2191.8	2190.1	2190.1
30°	2162.1	2162.1	2163.8	2165.6	2167.4	2169.1	2172.6	2174.3	2176.1	2174.3	2174.3
32.5°	2141.1	2142.8	2144.6	2146.3	2149.9	2153.4	2156.8	2158.6	2160.3	2158.6	2158.6
35°	2125.3	2125.3	2128.8	2132.3	2135.9	2141.1	2144.6	2148.0	2151.6	2149.9	2148.0
37.5°	2109.6	2109.6	2113.1	2118.4	2125.3	2132.3	2139.3	2144.6	2146.3	2146.3	2144.6
40°	2090.3	2092.1	2095.6	2104.4	2114.8	2123.6	2132.3	2139.3	2142.8	2142.8	2139.3
42.5°	2069.3	2071.1	2076.3	2085.0	2097.3	2107.8	2118.4	2123.6	2128.8	2128.8	2125.3
45°	2039.6	2041.3	2048.3	2057.1	2069.3	2079.8	2092.1	2097.3	2104.4	2102.6	2100.8
47.5°	2001.0	2002.8	2009.8	2018.5	2030.8	2043.1	2055.3	2064.0	2069.3	2069.3	2067.5
50°	1953.8	1955.5	1962.5	1971.2	1987.0	2001.0	2013.3	2022.0	2030.8	2030.8	2029.1
52.5°	1894.2	1897.8	1903.0	1915.3	1932.8	1948.5	1964.3	1978.3	1983.5	1985.3	1983.5
55°	1820.7	1824.2	1831.2	1845.2	1864.4	1883.8	1901.3	1917.0	1924.0	1929.3	1925.7
57.5°	1734.9	1738.4	1747.2	1762.9	1783.9	1803.2	1826.0	1843.5	1848.7	1854.0	1852.3
60°	1633.4	1638.6	1647.4	1664.9	1685.9	1706.9	1727.9	1748.9	1754.1	1761.2	1757.7
62.5°	1514.3	1519.6	1528.3	1547.6	1570.4	1589.6	1614.2	1633.4	1638.6	1645.7	1643.9
65°	1377.8	1383.1	1391.8	1412.8	1433.8	1454.8	1477.6	1498.6	1503.9	1510.8	1509.1
67.5°	1222.0	1227.2	1236.0	1260.5	1281.5	1302.5	1321.8	1342.7	1346.3	1353.3	1351.5
70°	1057.4	1064.5	1071.4	1094.2	1113.5	1131.0	1151.9	1169.4	1176.5	1180.0	1176.5
72.5°	892.9	898.1	905.2	920.9	934.8	950.6	971.7	983.9	989.2	990.9	990.9
75°	723.0	728.3	728.3	745.8	756.3	765.1	782.6	791.3	794.8	798.3	798.3
77.5°	562.0	558.4	562.0	569.0	576.0	583.0	593.5	598.7	602.2	609.3	605.7
80°	393.9	395.6	397.4	402.7	406.2	407.9	414.9	416.6	418.5	425.4	421.9
82.5°	253.8	250.4	253.8	252.1	255.6	250.4	253.8	259.1	255.6	259.1	260.9
85°	133.0	127.8	127.8	129.5	131.3	127.8	129.5	127.8	127.8	131.3	129.5
87.5°	42.0	40.3	42.0	40.3	42.0	40.3	42.0	43.8	42.0	42.0	43.8
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: P197553

CATALOG NUMBER: TT-C6-LED-E1-5CQ-PM-MS/DIM-8030

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°
0°	2268.9	2268.9	2268.9	2268.9	2268.9	2268.9	2268.9	2268.9
2.5°	2268.9	2268.9	2268.9	2268.9	2268.9	2268.9	2268.9	2268.9
5°	2268.9	2268.9	2268.9	2268.9	2268.9	2268.9	2268.9	2268.9
7.5°	2267.1	2267.1	2267.1	2267.1	2267.1	2267.1	2265.4	2267.1
10°	2263.7	2263.7	2263.7	2263.7	2261.9	2261.9	2261.9	2261.9
12.5°	2260.2	2260.2	2258.3	2258.3	2258.3	2258.3	2256.6	2256.6
15°	2256.6	2254.9	2254.9	2253.1	2253.1	2253.1	2251.4	2253.1
17.5°	2251.4	2249.6	2249.6	2247.9	2247.9	2246.2	2246.2	2246.2
20°	2239.1	2237.4	2237.4	2235.6	2235.6	2233.9	2232.1	2232.1
22.5°	2221.6	2221.6	2221.6	2219.9	2218.1	2218.1	2216.4	2216.4
25°	2205.8	2204.1	2204.1	2202.4	2200.6	2200.6	2198.9	2198.9
27.5°	2190.1	2188.4	2186.6	2183.1	2183.1	2181.4	2179.6	2177.8
30°	2172.6	2169.1	2165.6	2163.8	2162.1	2158.6	2156.8	2155.1
32.5°	2155.1	2151.6	2148.0	2144.6	2139.3	2137.6	2134.1	2134.1
35°	2144.6	2139.3	2134.1	2127.1	2121.8	2116.5	2113.1	2111.3
37.5°	2139.3	2132.3	2123.6	2114.8	2106.1	2099.0	2093.8	2093.8
40°	2132.3	2123.6	2113.1	2100.8	2090.3	2081.5	2076.3	2074.6
42.5°	2118.4	2109.6	2095.6	2085.0	2071.1	2062.3	2055.3	2053.5
45°	2093.8	2085.0	2072.8	2058.8	2044.8	2034.3	2027.3	2025.6
47.5°	2062.3	2051.8	2037.8	2023.8	2009.8	1997.5	1990.5	1988.7
50°	2022.0	2011.6	1997.5	1983.5	1967.8	1955.5	1946.8	1946.8
52.5°	1976.6	1964.3	1948.5	1932.8	1915.3	1903.0	1894.2	1892.5
55°	1917.0	1903.0	1887.2	1869.8	1850.5	1836.5	1826.0	1824.2
57.5°	1843.5	1827.7	1810.2	1791.0	1771.7	1756.0	1743.7	1742.0
60°	1750.7	1733.2	1715.7	1696.4	1675.4	1657.9	1645.7	1642.1
62.5°	1636.9	1617.7	1598.4	1580.8	1558.1	1540.6	1528.3	1524.9
65°	1502.0	1486.3	1467.1	1446.1	1421.5	1404.0	1391.8	1390.0
67.5°	1344.5	1328.7	1309.5	1290.3	1265.7	1249.9	1237.8	1234.2
70°	1171.2	1157.2	1141.5	1122.2	1101.2	1085.4	1073.2	1071.4
72.5°	987.4	975.1	961.1	947.1	926.1	913.9	903.3	901.6
75°	798.3	786.1	775.5	765.1	749.3	740.5	730.0	730.0
77.5°	605.7	602.2	595.3	583.0	574.2	567.2	562.0	558.4
80°	423.7	420.2	416.6	409.7	404.4	402.7	399.1	395.6
82.5°	259.1	257.3	259.1	255.6	253.8	253.8	252.1	248.6
85°	131.3	133.0	131.3	129.5	129.5	129.5	129.5	127.8
87.5°	42.0	43.8	42.0	40.3	40.3	40.3	40.3	38.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)