

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: P197554

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P197554  
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  
Description: TOPTIER LED AREA/SITE LUMINAIRE  
CONCENTRATED DISTRIBUTION WITH DIMMING OCCUPANCY SENSOR  
Light Source: (160) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11775 lumens  
Efficiency: N/A  
Efficacy: 109.0 lumens/watt  
Luminous Opening: Circular (Dia: 1.12' x H: 0')  
IES Classification: Type V - Short - Full Cutoff  
BUG Rating: B3 - U0 - G2

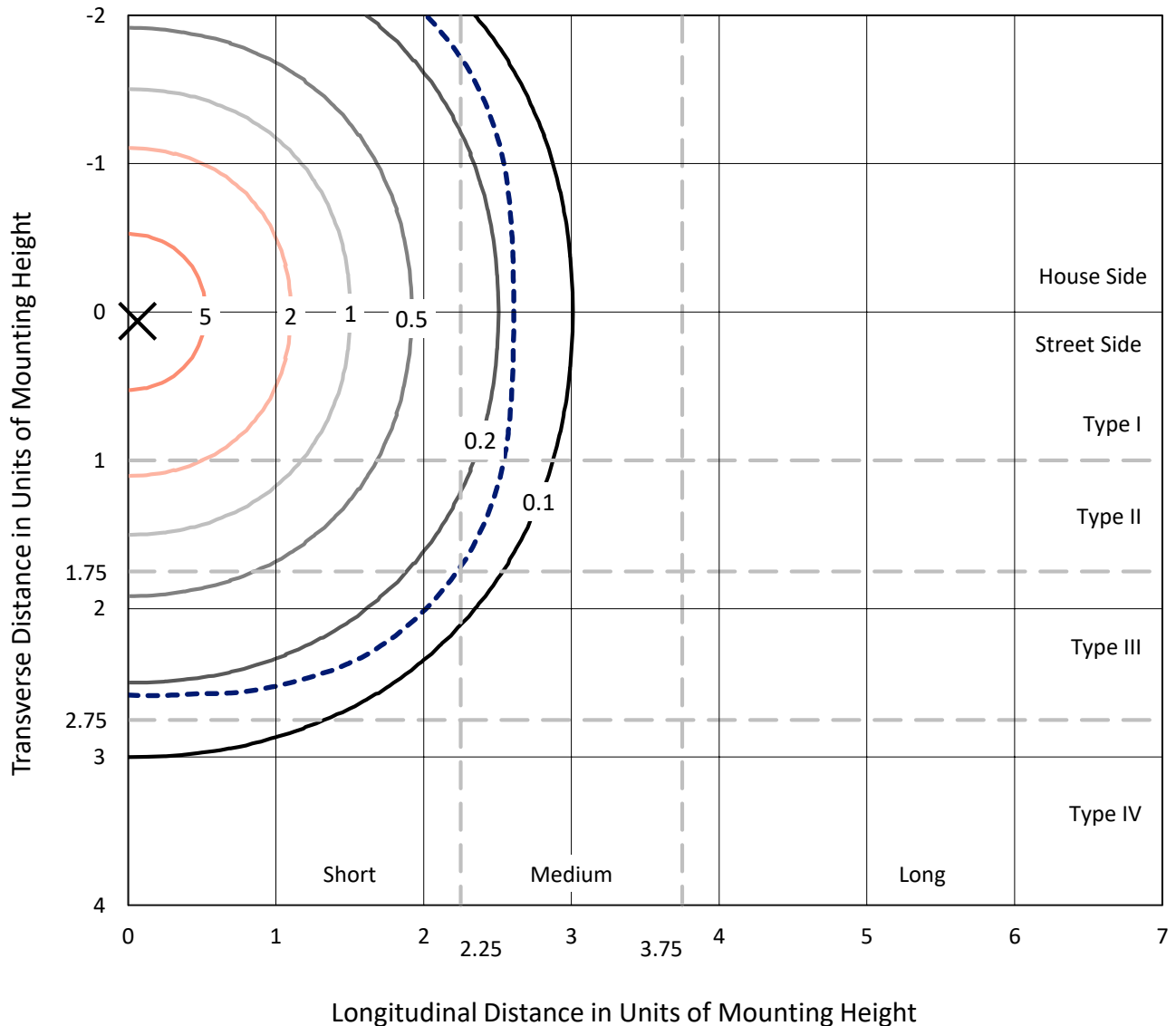
Input Watts (W): 108  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



REPORT NUMBER: P197554  
 CATALOG NUMBER: TT-C6-LED-E1-5CQ-PM-MS/DIM

### Iso-Footcandle Lines of Horizontal Illumination

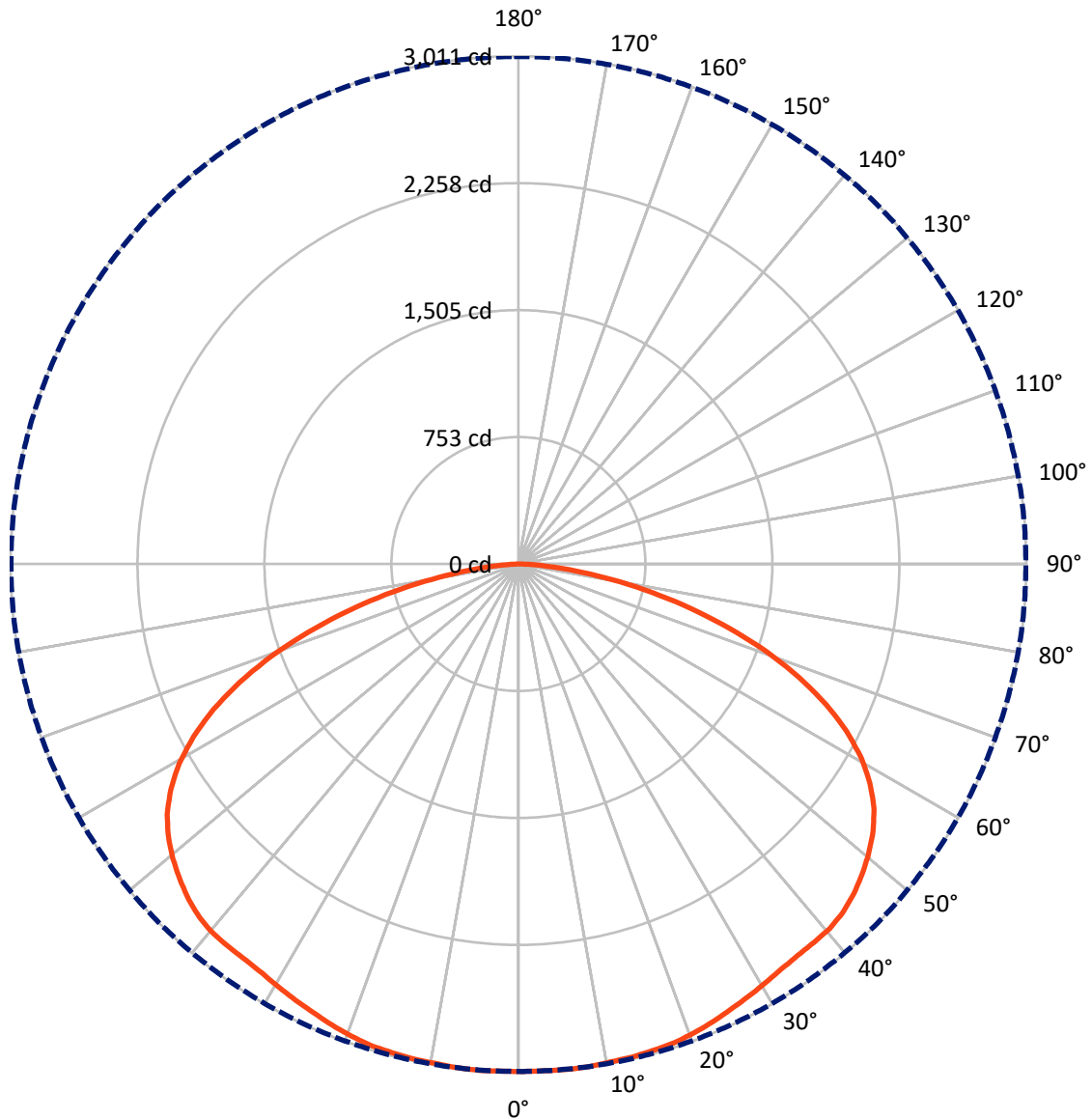
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7.5 fc  
 Type V - Short - Full Cutoff

REPORT NUMBER: P197554  
CATALOG NUMBER: TT-C6-LED-E1-5CQ-PM-MS/DIM

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P197554

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

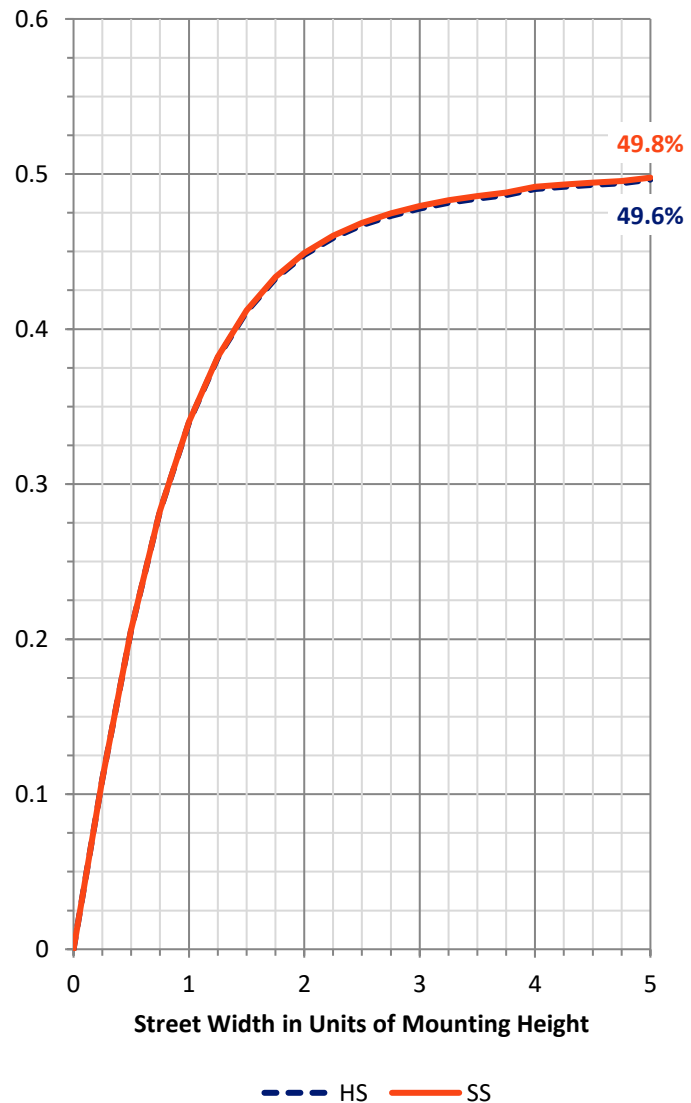
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5887.5	0.0	5887.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5887.5	0.0	5887.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	11775.0	0.0	11775.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	287.0	2.4
10°-20°	846.3	7.2
20°-30°	1350.6	11.5
30°-40°	1779.0	15.1
40°-50°	2116.1	18.0
50°-60°	2214.7	18.8
60°-70°	1883.4	16.0
70°-80°	1070.3	9.1
80°-90°	227.6	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°	11775.0	100.0
0°-180°	11775.0	100.0



REPORT NUMBER: P197554

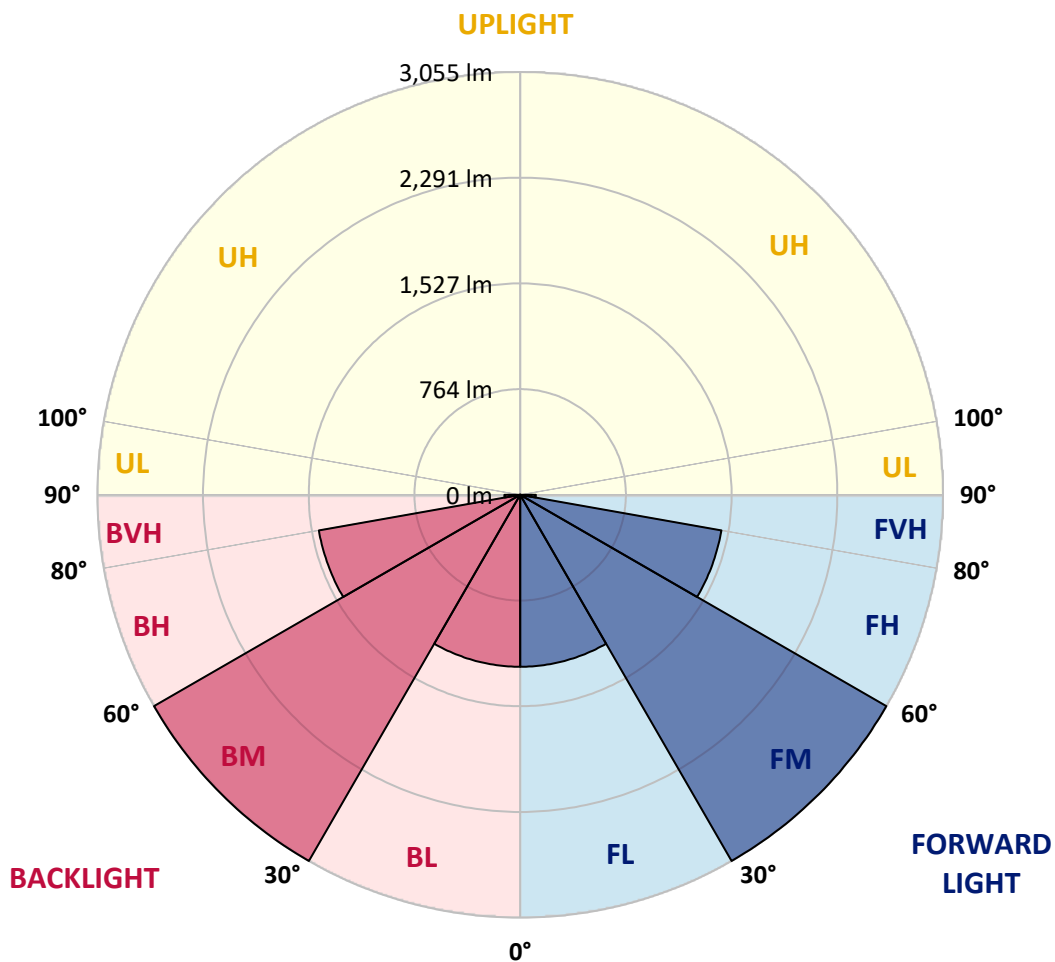
CATALOG NUMBER: TT-C6-LED-E1-5CQ-PM-MS/DIM

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1241.9	10.5			
FM	(30°-60°)	3054.9	25.9			
FH	(60°-80°)	1476.9	12.5			G1/1800
FVH	(80°-90°)	113.8	1.0			G2/225
BL	(0°-30°)	1241.9	10.5	B3/2500		
BM	(30°-60°)	3054.9	25.9	B3/5000		
BH	(60°-80°)	1476.9	12.5	B3/2500		G1/1800
BVH	(80°-90°)	113.8	1.0			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G2**

Type V Short





REPORT NUMBER: P197554

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

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	3008.4	3008.4	3008.4	3008.4	3008.4	3008.4	3008.4	3008.4	3008.4	3008.4	3008.4
2.5°	3008.4	3008.4	3008.4	3008.4	3008.4	3008.4	3008.4	3008.4	3008.4	3008.4	3008.4
5°	3008.4	3008.4	3008.4	3008.4	3008.4	3008.4	3008.4	3008.4	3008.4	3010.8	3008.4
7.5°	3006.1	3006.1	3006.1	3006.1	3008.4	3006.1	3006.1	3008.4	3008.4	3008.4	3008.4
10°	3001.5	2999.2	2999.2	3001.5	3001.5	3001.5	3001.5	3001.5	3003.8	3001.5	3001.5
12.5°	2994.5	2992.2	2994.5	2994.5	2994.5	2996.8	2996.8	2996.8	2999.2	2999.2	2996.8
15°	2987.6	2987.6	2987.6	2987.6	2987.6	2989.9	2989.9	2992.2	2992.2	2992.2	2992.2
17.5°	2978.3	2978.3	2978.3	2980.6	2980.6	2982.9	2982.9	2982.9	2985.2	2985.2	2985.2
20°	2962.0	2959.7	2962.0	2962.0	2964.4	2966.7	2966.7	2969.0	2969.0	2969.0	2969.0
22.5°	2938.7	2938.7	2941.1	2941.1	2943.4	2945.7	2945.7	2948.0	2948.0	2948.0	2948.0
25°	2915.5	2917.9	2917.9	2920.2	2920.2	2922.5	2924.8	2924.8	2924.8	2924.8	2924.8
27.5°	2892.4	2894.7	2894.7	2894.7	2897.0	2899.3	2901.6	2903.9	2906.3	2903.9	2903.9
30°	2866.8	2866.8	2869.2	2871.5	2873.8	2876.1	2880.8	2883.1	2885.4	2883.1	2883.1
32.5°	2839.0	2841.3	2843.6	2846.0	2850.6	2855.2	2859.9	2862.2	2864.5	2862.2	2862.2
35°	2818.1	2818.1	2822.8	2827.4	2832.0	2839.0	2843.6	2848.3	2852.9	2850.6	2848.3
37.5°	2797.1	2797.1	2801.9	2808.8	2818.1	2827.4	2836.7	2843.6	2846.0	2846.0	2843.6
40°	2771.6	2773.9	2778.6	2790.2	2804.2	2815.8	2827.4	2836.7	2841.3	2841.3	2836.7
42.5°	2743.8	2746.1	2753.1	2764.7	2780.9	2794.8	2808.8	2815.8	2822.8	2822.8	2818.1
45°	2704.3	2706.7	2715.9	2727.5	2743.8	2757.7	2773.9	2780.9	2790.2	2787.9	2785.5
47.5°	2653.3	2655.6	2664.9	2676.5	2692.7	2709.0	2725.2	2736.8	2743.8	2743.8	2741.5
50°	2590.6	2592.9	2602.2	2613.8	2634.6	2653.3	2669.5	2681.1	2692.7	2692.7	2690.4
52.5°	2511.7	2516.3	2523.3	2539.5	2562.7	2583.6	2604.5	2623.0	2630.0	2632.3	2630.0
55°	2414.2	2418.8	2428.1	2446.6	2472.2	2497.8	2521.0	2541.9	2551.1	2558.1	2553.4
57.5°	2300.4	2305.0	2316.6	2337.6	2365.4	2391.0	2421.1	2444.3	2451.3	2458.2	2455.9
60°	2165.8	2172.8	2184.4	2207.6	2235.4	2263.3	2291.1	2319.0	2326.0	2335.3	2330.6
62.5°	2008.0	2014.9	2026.5	2052.1	2082.2	2107.7	2140.2	2165.8	2172.8	2182.1	2179.8
65°	1826.8	1833.8	1845.5	1873.3	1901.2	1929.0	1959.2	1987.0	1994.0	2003.3	2001.0
67.5°	1620.3	1627.2	1638.8	1671.3	1699.2	1727.1	1752.6	1780.4	1785.1	1794.4	1792.0
70°	1402.1	1411.4	1420.7	1450.8	1476.3	1499.5	1527.5	1550.7	1559.9	1564.6	1559.9
72.5°	1183.8	1190.8	1200.2	1221.0	1239.6	1260.5	1288.3	1304.6	1311.5	1313.8	1313.8
75°	958.7	965.7	965.7	988.9	1002.8	1014.4	1037.6	1049.3	1053.9	1058.6	1058.6
77.5°	745.2	740.5	745.2	754.5	763.7	773.0	786.9	793.9	798.5	807.8	803.2
80°	522.3	524.6	526.9	533.9	538.5	540.8	550.1	552.4	554.7	564.1	559.4
82.5°	336.6	331.9	336.6	334.3	338.9	331.9	336.6	343.5	338.9	343.5	345.9
85°	176.4	169.5	169.5	171.8	174.1	169.5	171.8	169.5	169.5	174.1	171.8
87.5°	55.7	53.4	55.7	53.4	55.7	53.4	55.7	58.0	55.7	55.7	58.0
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: P197554

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

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°
0°	3008.4	3008.4	3008.4	3008.4	3008.4	3008.4	3008.4	3008.4
2.5°	3008.4	3008.4	3008.4	3008.4	3008.4	3008.4	3008.4	3008.4
5°	3008.4	3008.4	3008.4	3008.4	3008.4	3008.4	3008.4	3008.4
7.5°	3006.1	3006.1	3006.1	3006.1	3006.1	3006.1	3003.8	3006.1
10°	3001.5	3001.5	3001.5	3001.5	2999.2	2999.2	2999.2	2999.2
12.5°	2996.8	2996.8	2994.5	2994.5	2994.5	2994.5	2992.2	2992.2
15°	2992.2	2989.9	2989.9	2987.6	2987.6	2987.6	2985.2	2987.6
17.5°	2985.2	2982.9	2982.9	2980.6	2980.6	2978.3	2978.3	2978.3
20°	2969.0	2966.7	2966.7	2964.4	2964.4	2962.0	2959.7	2959.7
22.5°	2945.7	2945.7	2945.7	2943.4	2941.1	2941.1	2938.7	2938.7
25°	2924.8	2922.5	2922.5	2920.2	2917.9	2917.9	2915.5	2915.5
27.5°	2903.9	2901.6	2899.3	2894.7	2894.7	2892.4	2890.0	2887.7
30°	2880.8	2876.1	2871.5	2869.2	2866.8	2862.2	2859.9	2857.6
32.5°	2857.6	2852.9	2848.3	2843.6	2836.7	2834.4	2829.7	2829.7
35°	2843.6	2836.7	2829.7	2820.4	2813.5	2806.5	2801.9	2799.6
37.5°	2836.7	2827.4	2815.8	2804.2	2792.5	2783.2	2776.3	2776.3
40°	2827.4	2815.8	2801.9	2785.5	2771.6	2760.0	2753.1	2750.7
42.5°	2808.8	2797.1	2778.6	2764.7	2746.1	2734.5	2725.2	2722.9
45°	2776.3	2764.7	2748.4	2729.9	2711.3	2697.4	2688.1	2685.8
47.5°	2734.5	2720.6	2702.0	2683.5	2664.9	2648.7	2639.4	2637.0
50°	2681.1	2667.2	2648.7	2630.0	2609.1	2592.9	2581.3	2581.3
52.5°	2620.7	2604.5	2583.6	2562.7	2539.5	2523.3	2511.7	2509.4
55°	2541.9	2523.3	2502.4	2479.2	2453.6	2435.0	2421.1	2418.8
57.5°	2444.3	2423.4	2400.2	2374.7	2349.2	2328.3	2312.0	2309.7
60°	2321.4	2298.1	2274.9	2249.3	2221.5	2198.3	2182.1	2177.4
62.5°	2170.5	2144.9	2119.3	2096.1	2066.0	2042.8	2026.5	2021.9
65°	1991.6	1970.8	1945.2	1917.4	1884.9	1861.7	1845.5	1843.2
67.5°	1782.8	1761.9	1736.4	1710.8	1678.3	1657.4	1641.1	1636.5
70°	1553.0	1534.4	1513.5	1487.9	1460.1	1439.2	1423.0	1420.7
72.5°	1309.2	1293.0	1274.4	1255.8	1228.0	1211.8	1197.8	1195.4
75°	1058.6	1042.3	1028.3	1014.4	993.5	981.9	968.0	968.0
77.5°	803.2	798.5	789.3	773.0	761.4	752.1	745.2	740.5
80°	561.8	557.1	552.4	543.1	536.2	533.9	529.2	524.6
82.5°	343.5	341.2	343.5	338.9	336.6	336.6	334.3	329.6
85°	174.1	176.4	174.1	171.8	171.8	171.8	171.8	169.5
87.5°	55.7	58.0	55.7	53.4	53.4	53.4	53.4	51.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)