

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: P197771

Luminaire Tested: **TT-C6-LED-E1-WQ-MS/DIM-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197771
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P115468)
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-WQ-MS/DIM-7050
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
WIDE DISTRIBUTION WITH DIMMING OCCUPANCY SENSOR
Light Source: (160) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10983.9 lumens
Efficiency: N/A
Efficacy: 101.7 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



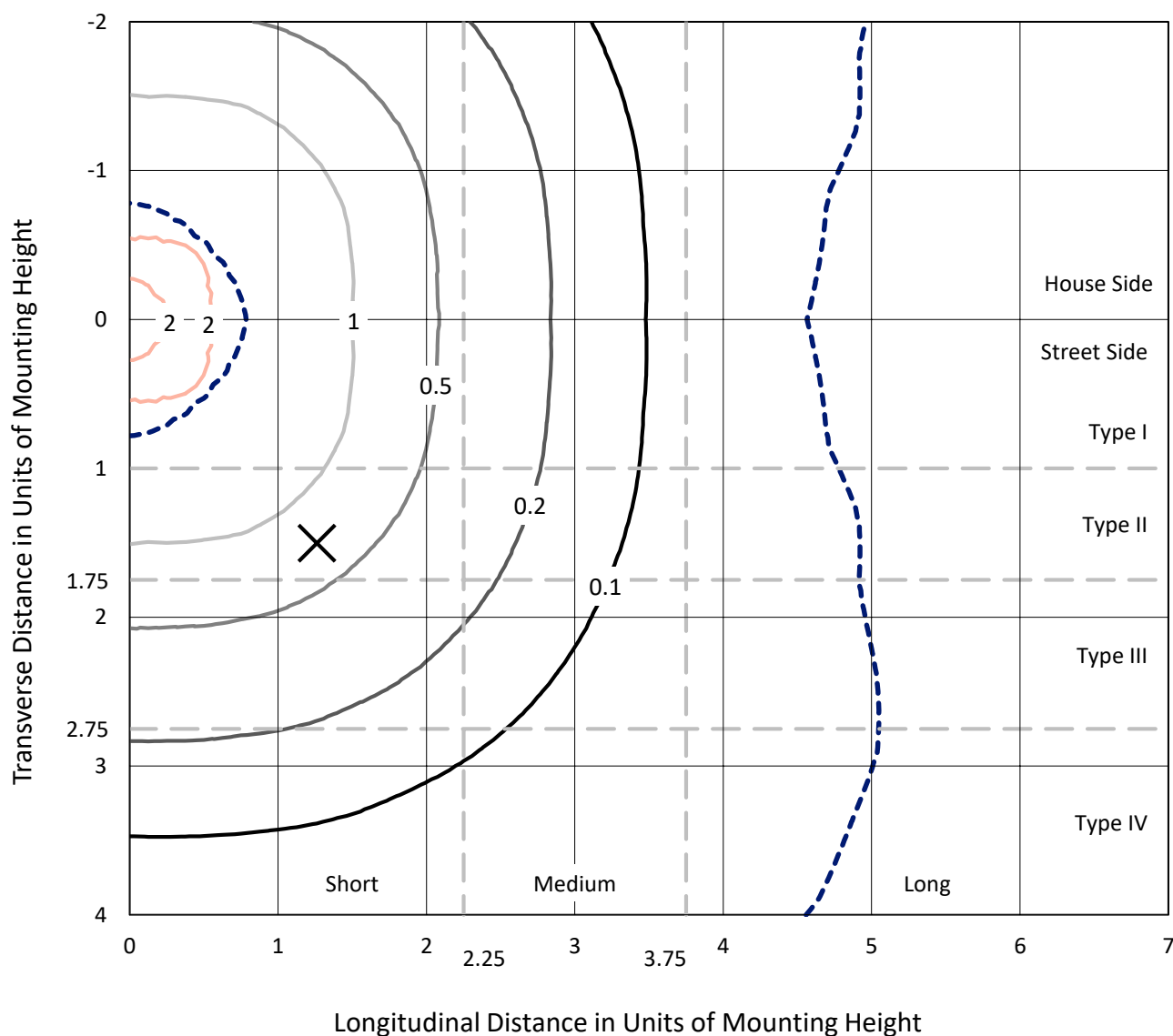
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

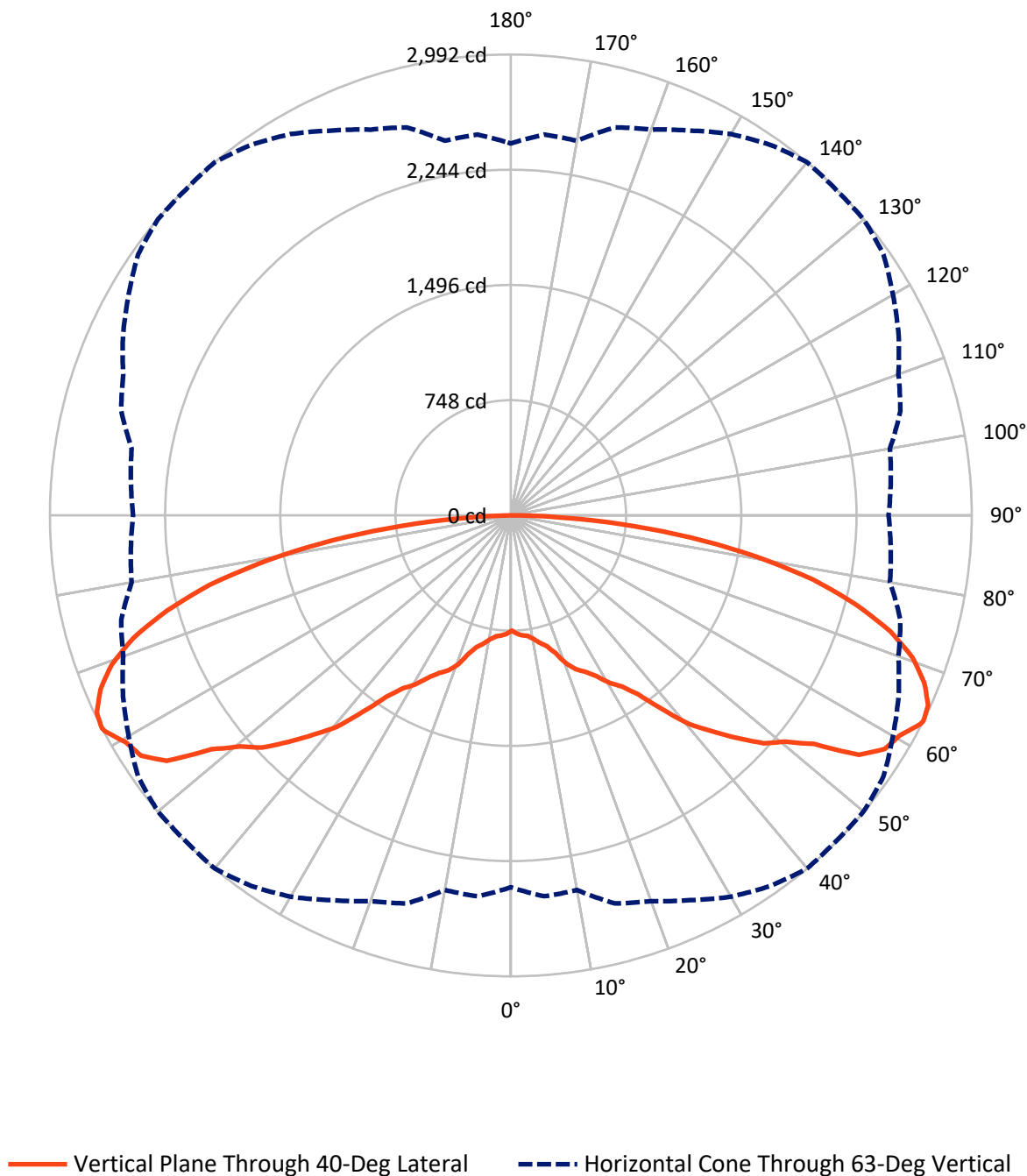


Based on 20 foot mounting height. Maximum calculated value = 2.1 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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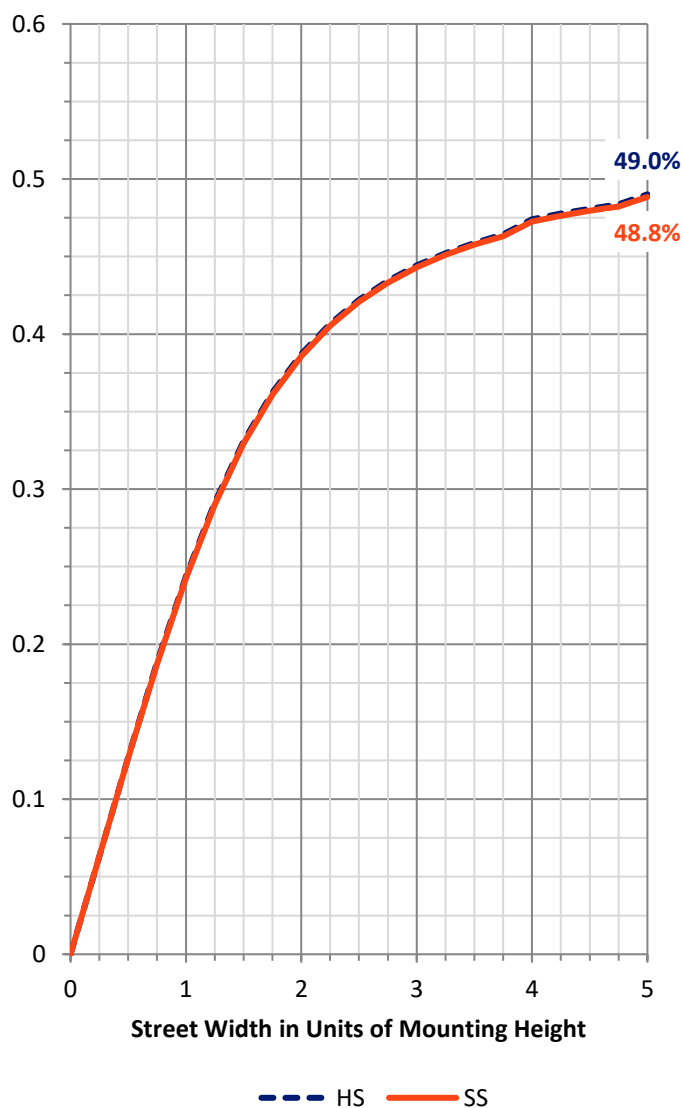
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5491.9	0.0	5491.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5491.9	0.0	5491.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	10983.9	0.0	10983.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.4	0.7
10°-20°	256.6	2.3
20°-30°	521.7	4.7
30°-40°	899.1	8.2
40°-50°	1514.6	13.8
50°-60°	2230.3	20.3
60°-70°	2652.2	24.1
70°-80°	2147.0	19.5
80°-90°	686.9	6.3
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°	10983.9	100.0
0°-180°	10983.9	100.0

Coefficient of Utilization



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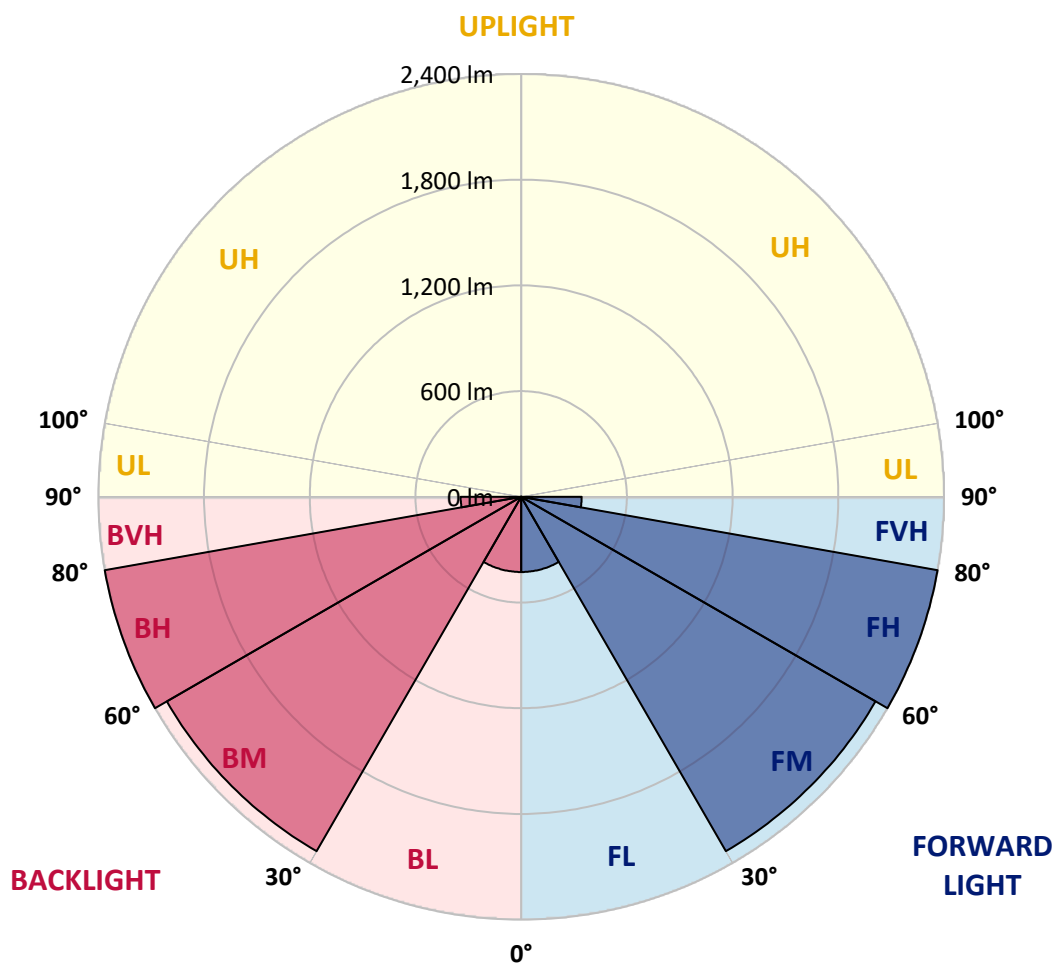
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	426.9	3.9			
FM	(30°-60°)	2322.0	21.1			
FH	(60°-80°)	2399.6	21.8			G2/5000
FVH	(80°-90°)	343.5	3.1			G3/500
BL	(0°-30°)	426.9	3.9	B1/500		
BM	(30°-60°)	2322.0	21.1	B2/2500		
BH	(60°-80°)	2399.6	21.8	B3/2500		G2/5000
BVH	(80°-90°)	343.5	3.1			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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	747.8	747.8	747.8	747.8	747.8	747.8	747.8	747.8	747.8	747.8	747.8
2.5°	771.2	771.2	771.2	771.2	771.2	771.2	769.1	771.2	769.1	769.1	769.1
5°	786.0	786.0	786.0	786.0	784.0	784.0	781.9	781.9	781.9	779.7	781.9
7.5°	792.5	792.5	792.5	792.5	790.3	790.3	790.3	790.3	790.3	790.3	790.3
10°	807.3	807.3	809.5	811.6	815.8	815.8	815.8	817.9	815.8	815.8	815.8
12.5°	839.2	837.1	841.4	845.5	849.9	851.8	851.8	851.8	849.9	849.9	851.8
15°	883.8	879.7	881.6	883.8	886.0	888.1	888.1	886.0	881.6	881.6	881.6
17.5°	941.2	934.9	932.7	930.5	930.5	934.9	939.0	937.0	939.0	937.0	939.0
20°	1009.2	1004.8	1004.8	1004.8	1007.0	1015.5	1024.0	1028.3	1026.1	1022.0	1028.3
22.5°	1053.7	1055.9	1066.5	1064.4	1062.2	1070.7	1081.3	1089.8	1085.7	1079.4	1083.5
25°	1102.6	1102.6	1117.6	1123.9	1117.6	1117.6	1121.7	1128.0	1123.9	1119.6	1123.9
27.5°	1157.8	1157.8	1164.3	1170.6	1166.3	1166.3	1172.8	1183.5	1181.3	1179.1	1181.3
30°	1223.7	1215.2	1208.9	1219.5	1230.2	1232.3	1238.7	1255.6	1259.9	1257.8	1261.9
32.5°	1285.4	1272.6	1276.9	1283.2	1306.7	1315.1	1313.0	1325.8	1323.6	1317.3	1325.8
35°	1344.9	1359.7	1368.2	1381.0	1389.5	1400.1	1400.1	1423.4	1427.7	1421.4	1427.7
37.5°	1459.7	1466.0	1489.4	1491.4	1502.0	1542.4	1546.6	1578.5	1595.5	1587.0	1589.2
40°	1616.8	1614.6	1631.8	1657.2	1678.5	1729.3	1744.3	1765.4	1780.4	1774.1	1782.6
42.5°	1744.3	1727.4	1740.0	1795.2	1818.6	1856.9	1876.0	1886.7	1914.3	1905.8	1916.4
45°	1835.6	1841.9	1859.1	1914.3	1929.0	1961.0	2005.5	2024.7	2060.7	2050.3	2056.6
47.5°	1924.9	1954.7	1969.5	1994.9	2041.6	2084.2	2139.4	2158.5	2209.6	2205.2	2198.9
50°	2041.6	2065.1	2082.0	2101.1	2165.0	2235.0	2281.7	2290.2	2307.4	2294.5	2315.8
52.5°	2167.0	2165.0	2179.8	2232.8	2322.1	2349.7	2390.2	2428.4	2464.5	2477.3	2464.5
55°	2332.8	2279.6	2341.3	2417.8	2456.0	2521.8	2619.6	2672.7	2742.9	2753.5	2732.2
57.5°	2400.8	2400.8	2464.5	2509.0	2579.2	2696.1	2800.2	2825.6	2861.7	2842.6	2863.9
60°	2392.3	2473.0	2473.0	2551.6	2666.4	2770.4	2808.7	2851.1	2900.0	2898.0	2898.0
62.5°	2403.0	2481.4	2460.1	2596.2	2666.4	2751.3	2836.3	2915.0	2983.0	2980.8	2978.6
63°	2413.4	2481.4	2468.8	2606.8	2664.2	2755.5	2857.6	2936.0	2991.5	2987.1	2989.3
65°	2445.4	2426.2	2502.7	2589.9	2655.7	2791.7	2876.7	2938.2	2976.5	2974.3	2974.3
67.5°	2385.8	2341.3	2449.7	2483.6	2609.0	2730.0	2795.9	2866.1	2893.7	2893.7	2889.3
70°	2203.3	2222.2	2296.7	2351.9	2479.3	2587.7	2642.9	2732.2	2766.1	2766.1	2764.1
72.5°	2018.3	2050.3	2101.1	2179.8	2300.8	2385.8	2451.7	2532.5	2577.0	2574.9	2574.9
75°	1782.6	1812.3	1871.7	1946.2	2052.2	2135.3	2188.3	2264.8	2315.8	2335.0	2313.7
77.5°	1517.0	1525.5	1580.7	1657.2	1750.6	1808.0	1888.8	1963.2	2005.5	2003.4	1997.1
80°	1194.1	1204.5	1251.5	1338.4	1389.5	1457.5	1531.8	1572.2	1608.3	1608.3	1603.9
82.5°	824.2	847.7	894.4	951.8	1004.8	1064.4	1104.8	1145.2	1175.0	1172.8	1166.3
85°	465.3	475.9	520.5	556.7	596.9	635.2	662.8	688.4	713.9	713.9	709.5
87.5°	140.2	125.4	150.8	165.8	186.9	206.0	218.8	244.3	261.4	242.3	242.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	747.8	747.8	747.8	747.8	747.8	747.8	747.8	747.8
2.5°	771.2	771.2	771.2	771.2	771.2	771.2	771.2	771.2
5°	781.9	784.0	784.0	786.0	786.0	786.0	786.0	786.0
7.5°	790.3	790.3	790.3	790.3	792.5	792.5	792.5	792.5
10°	815.8	817.9	815.8	815.8	811.6	809.5	809.5	809.5
12.5°	851.8	854.0	854.0	849.9	845.5	841.4	839.2	837.1
15°	886.0	892.3	888.1	886.0	881.6	883.8	883.8	886.0
17.5°	939.0	941.2	934.9	930.5	928.3	932.7	937.0	939.0
20°	1030.5	1026.1	1013.5	1009.2	1004.8	1004.8	1009.2	1009.2
22.5°	1087.8	1077.2	1068.7	1064.4	1064.4	1064.4	1058.1	1049.6
25°	1128.0	1121.7	1115.4	1119.6	1123.9	1117.6	1102.6	1100.4
27.5°	1183.5	1170.6	1168.5	1166.3	1168.5	1164.3	1162.2	1153.7
30°	1255.6	1238.7	1234.3	1230.2	1217.4	1213.2	1217.4	1223.7
32.5°	1323.6	1313.0	1317.3	1308.6	1285.4	1276.9	1281.0	1279.1
35°	1421.4	1402.3	1402.3	1385.1	1378.8	1376.6	1359.7	1344.9
37.5°	1576.3	1550.9	1544.6	1506.4	1489.4	1493.6	1470.3	1453.1
40°	1765.4	1746.5	1729.3	1687.0	1663.5	1633.7	1618.9	1618.9
42.5°	1890.8	1878.2	1854.7	1824.9	1799.5	1748.5	1729.3	1740.0
45°	2029.0	2012.0	1963.2	1933.4	1909.9	1873.8	1852.5	1831.5
47.5°	2169.2	2145.9	2088.5	2050.3	1994.9	1984.2	1961.0	1931.2
50°	2292.4	2283.9	2243.5	2179.8	2109.6	2092.7	2071.4	2043.8
52.5°	2443.2	2392.3	2358.2	2330.6	2252.0	2196.8	2167.0	2179.8
55°	2689.6	2625.9	2538.8	2451.7	2434.7	2368.9	2294.5	2335.0
57.5°	2831.9	2795.9	2730.0	2592.0	2524.0	2479.3	2430.6	2394.3
60°	2866.1	2800.2	2785.2	2681.1	2572.9	2479.3	2498.4	2413.4
62.5°	2931.9	2842.6	2759.8	2677.0	2611.2	2483.6	2479.3	2434.7
63°	2953.2	2863.9	2776.8	2677.0	2617.5	2498.4	2475.1	2451.7
65°	2948.9	2872.4	2806.5	2677.0	2587.7	2541.0	2426.2	2479.3
67.5°	2868.2	2804.3	2727.9	2638.8	2489.9	2453.8	2373.2	2383.9
70°	2738.5	2655.7	2583.6	2500.6	2381.7	2298.7	2250.0	2209.6
72.5°	2536.6	2462.3	2385.8	2309.3	2203.3	2103.3	2069.4	2024.7
75°	2269.1	2196.8	2126.8	2054.4	1954.7	1865.4	1829.3	1797.3
77.5°	1963.2	1901.4	1801.7	1733.7	1676.3	1580.7	1546.6	1512.7
80°	1565.7	1536.1	1463.8	1374.7	1344.9	1251.5	1225.8	1181.3
82.5°	1138.7	1108.9	1051.5	990.1	954.0	905.1	862.5	832.7
85°	694.7	662.8	633.0	577.8	556.7	520.5	486.6	469.6
87.5°	250.8	225.1	201.9	176.2	163.6	138.0	133.9	121.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)