

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: P197772

Luminaire Tested: **TT-C6-LED-E1-WQ-MS/DIM-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197772
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-7060
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
WIDE DISTRIBUTION WITH DIMMING OCCUPANCY SENSOR
Light Source: (160) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10900.9 lumens
Efficiency: N/A
Efficacy: 100.9 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



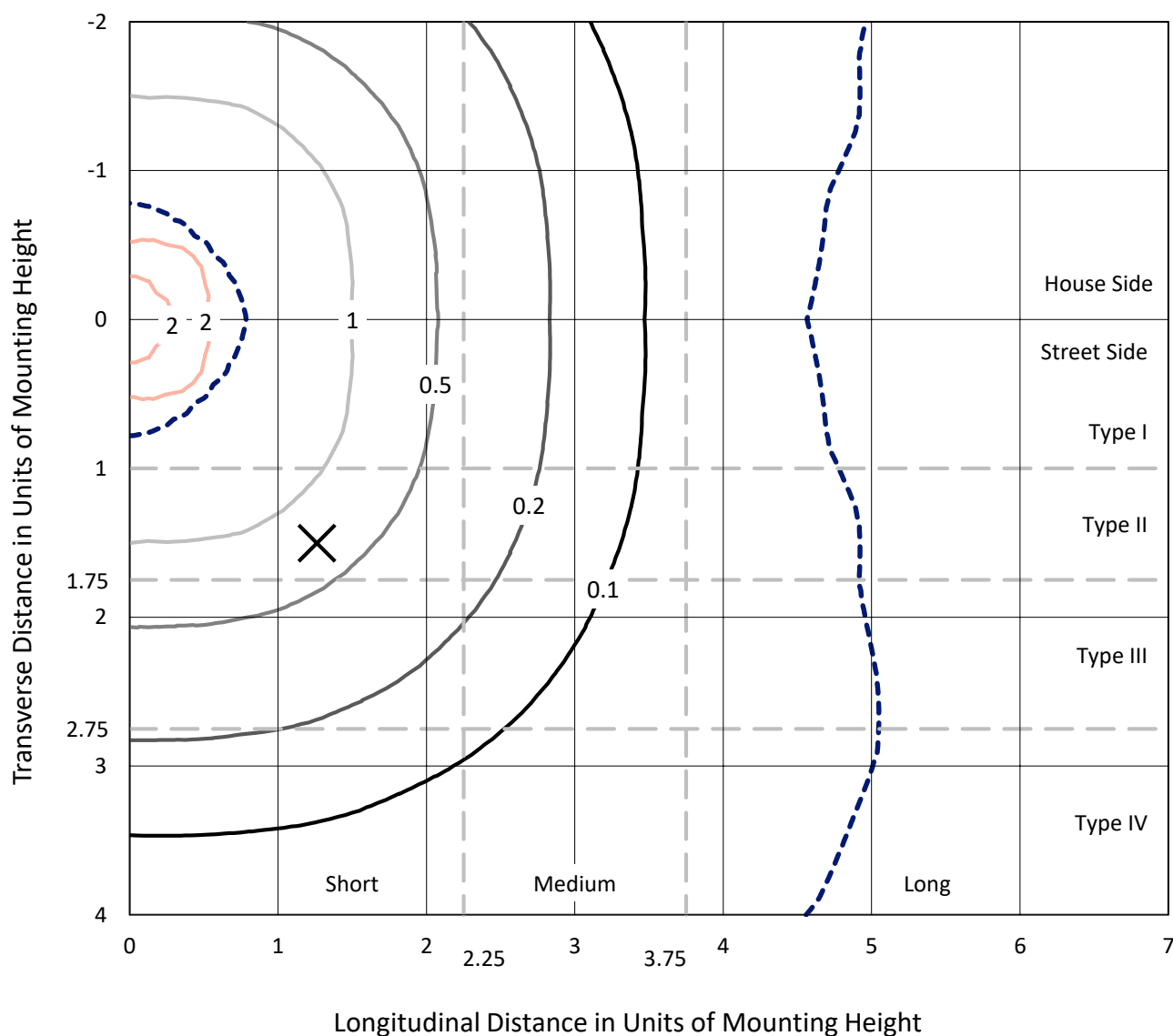
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

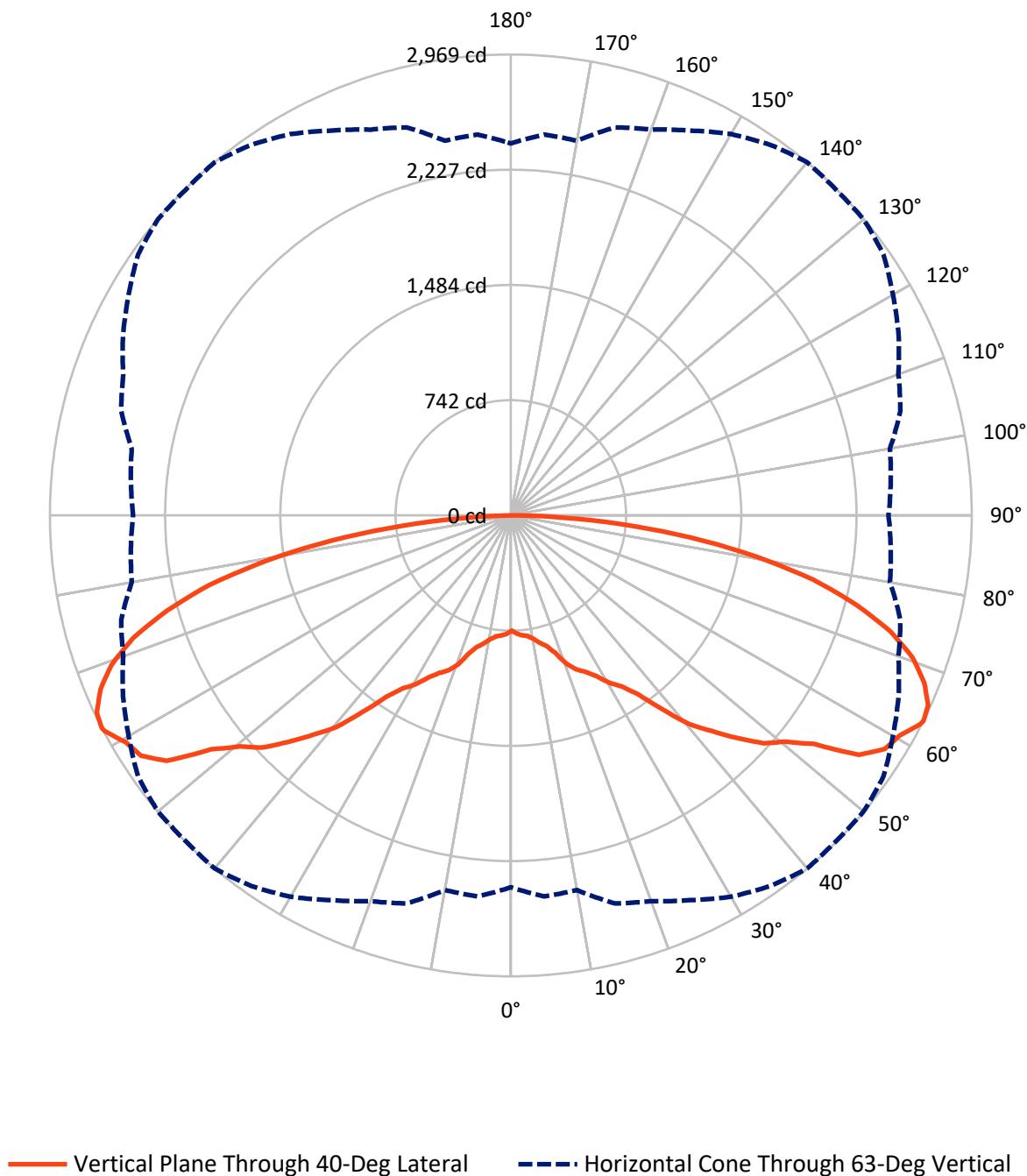


Based on 20 foot mounting height. Maximum calculated value = 2.1 fc
Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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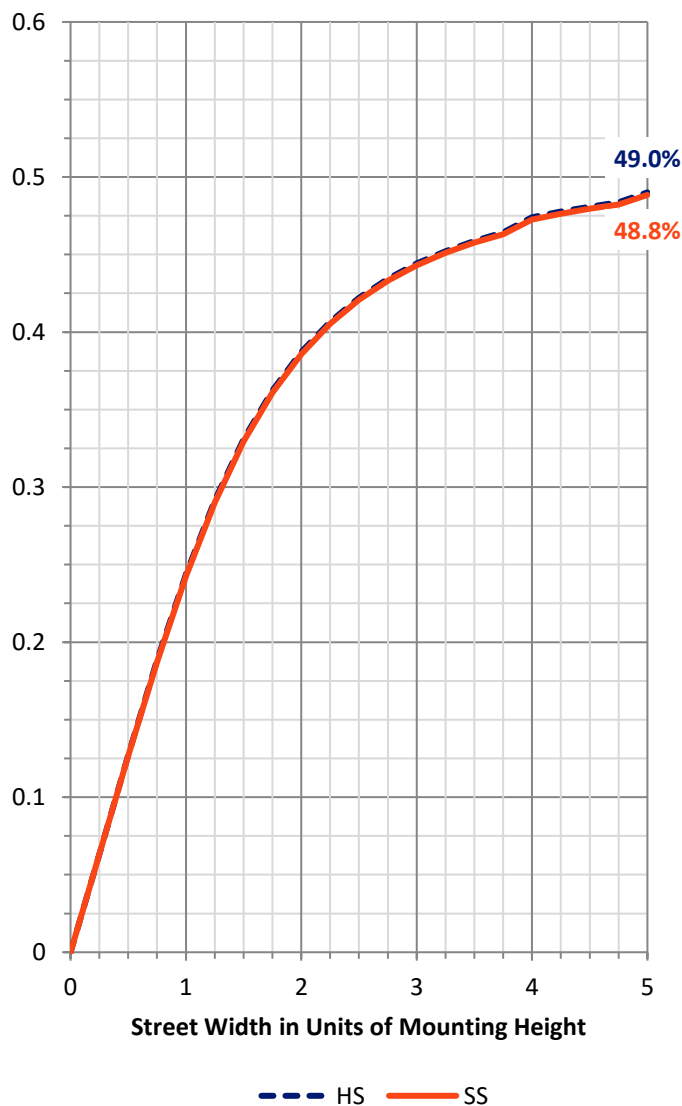
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5450.5	0.0	5450.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5450.5	0.0	5450.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	10900.9	0.0	10900.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.9	0.7
10°-20°	254.7	2.3
20°-30°	517.8	4.7
30°-40°	892.3	8.2
40°-50°	1503.2	13.8
50°-60°	2213.4	20.3
60°-70°	2632.1	24.1
70°-80°	2130.8	19.5
80°-90°	681.7	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°	10900.9	100.0
0°-180°	10900.9	100.0

Coefficient of Utilization



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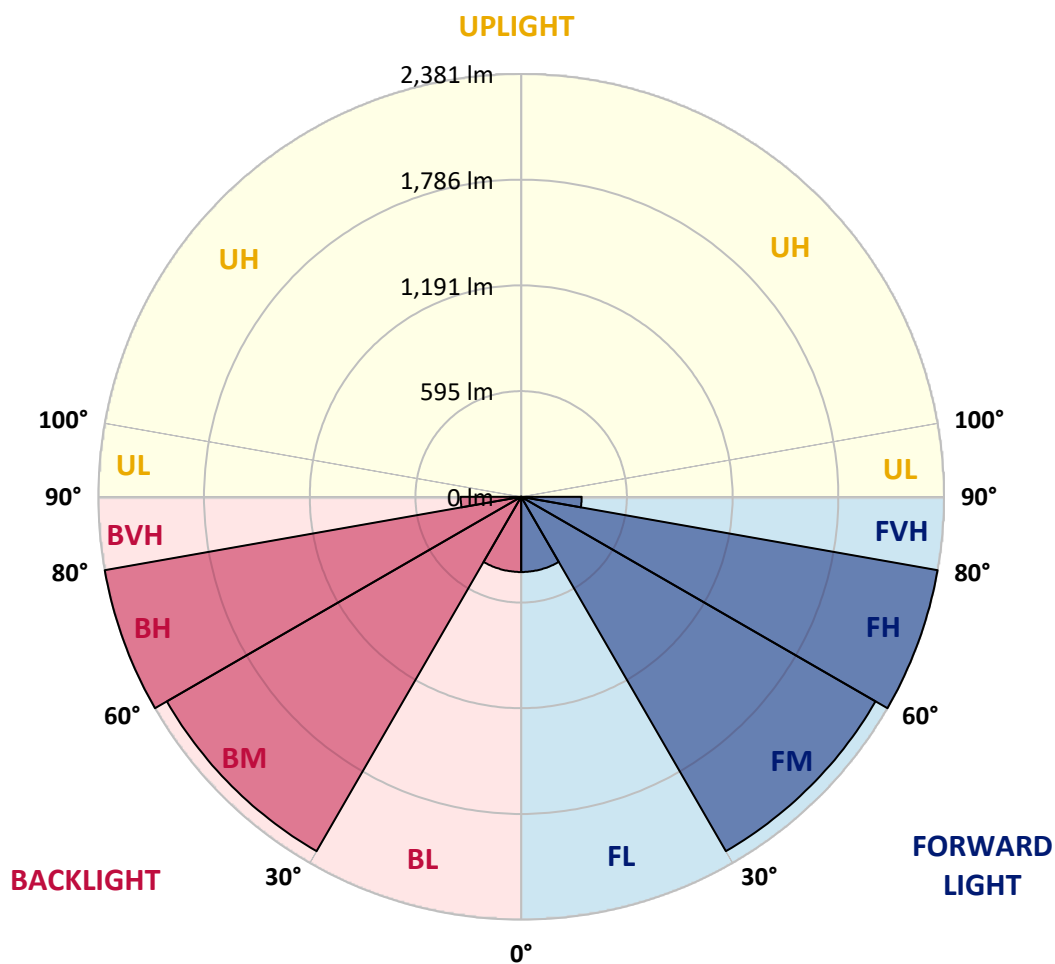
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	423.7	3.9			
FM	(30°-60°)	2304.5	21.1			
FH	(60°-80°)	2381.5	21.8			G2/5000
FVH	(80°-90°)	340.9	3.1			G3/500
BL	(0°-30°)	423.7	3.9	B1/500		
BM	(30°-60°)	2304.5	21.1	B2/2500		
BH	(60°-80°)	2381.5	21.8	B3/2500		G2/5000
BVH	(80°-90°)	340.9	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°	742.1	742.1	742.1	742.1	742.1	742.1	742.1	742.1	742.1	742.1	742.1
2.5°	765.4	765.4	765.4	765.4	765.4	765.4	763.2	765.4	763.2	763.2	763.2
5°	780.1	780.1	780.1	780.1	778.1	778.1	776.0	776.0	776.0	773.8	776.0
7.5°	786.5	786.5	786.5	786.5	784.4	784.4	784.4	784.4	784.4	784.4	784.4
10°	801.2	801.2	803.4	805.5	809.6	809.6	809.6	811.8	809.6	809.6	809.6
12.5°	832.9	830.7	835.1	839.2	843.5	845.4	845.4	845.4	843.5	843.5	845.4
15°	877.1	873.0	875.0	877.1	879.3	881.4	881.4	879.3	875.0	875.0	875.0
17.5°	934.1	927.8	925.6	923.5	923.5	927.8	931.9	930.0	931.9	930.0	931.9
20°	1001.6	997.2	997.2	997.2	999.4	1007.8	1016.2	1020.5	1018.4	1014.3	1020.5
22.5°	1045.8	1047.9	1058.5	1056.3	1054.2	1062.6	1073.2	1081.6	1077.5	1071.2	1075.3
25°	1094.3	1094.3	1109.2	1115.4	1109.2	1109.2	1113.3	1119.5	1115.4	1111.1	1115.4
27.5°	1149.1	1149.1	1155.5	1161.8	1157.5	1157.5	1164.0	1174.5	1172.4	1170.2	1172.4
30°	1214.4	1206.0	1199.8	1210.3	1220.9	1223.0	1229.3	1246.1	1250.4	1248.3	1252.4
32.5°	1275.7	1262.9	1267.3	1273.5	1296.8	1305.2	1303.1	1315.8	1313.6	1307.4	1315.8
35°	1334.8	1349.4	1357.8	1370.6	1379.0	1389.5	1389.5	1412.6	1416.9	1410.7	1416.9
37.5°	1448.6	1454.9	1478.2	1480.1	1490.7	1530.8	1534.9	1566.6	1583.4	1575.0	1577.2
40°	1604.6	1602.4	1619.4	1644.7	1665.8	1716.3	1731.2	1752.1	1767.0	1760.7	1769.1
42.5°	1731.2	1714.3	1726.8	1781.6	1804.9	1842.9	1861.8	1872.4	1899.8	1891.4	1902.0
45°	1821.7	1828.0	1845.0	1899.8	1914.5	1946.2	1990.4	2009.4	2045.2	2034.8	2041.1
47.5°	1910.4	1939.9	1954.6	1979.8	2026.2	2068.5	2123.2	2142.2	2192.9	2188.6	2182.3
50°	2026.2	2049.5	2066.3	2085.3	2148.7	2218.1	2264.5	2272.9	2289.9	2277.2	2298.4
52.5°	2150.6	2148.7	2163.3	2216.0	2304.6	2332.0	2372.1	2410.1	2445.9	2458.6	2445.9
55°	2315.2	2262.3	2323.6	2399.5	2437.5	2502.8	2599.9	2652.5	2722.1	2732.7	2711.6
57.5°	2382.7	2382.7	2445.9	2490.1	2559.7	2675.8	2779.1	2804.3	2840.1	2821.1	2842.3
60°	2374.3	2454.3	2454.3	2532.4	2646.2	2749.5	2787.5	2829.5	2878.1	2876.1	2876.1
62.5°	2384.8	2462.7	2441.6	2576.6	2646.2	2730.6	2814.9	2892.9	2960.5	2958.3	2956.1
63°	2395.2	2462.7	2450.2	2587.1	2644.1	2734.6	2836.0	2913.9	2968.9	2964.5	2966.7
65°	2426.9	2407.9	2483.8	2570.3	2635.7	2770.7	2855.0	2916.0	2954.0	2951.8	2951.8
67.5°	2367.8	2323.6	2431.2	2464.9	2589.3	2709.4	2774.8	2844.4	2871.8	2871.8	2867.5
70°	2186.6	2205.4	2279.4	2334.2	2460.5	2568.2	2622.9	2711.6	2745.2	2745.2	2743.3
72.5°	2003.1	2034.8	2085.3	2163.3	2283.5	2367.8	2433.1	2513.4	2557.6	2555.4	2555.4
75°	1769.1	1798.7	1857.5	1931.5	2036.8	2119.1	2171.8	2247.7	2298.4	2317.3	2296.2
77.5°	1505.6	1514.0	1568.8	1644.7	1737.4	1794.3	1874.6	1948.3	1990.4	1988.2	1982.0
80°	1185.1	1195.4	1242.0	1328.3	1379.0	1446.5	1520.2	1560.3	1596.1	1596.1	1591.8
82.5°	818.0	841.3	887.7	944.6	997.2	1056.3	1096.4	1136.6	1166.1	1164.0	1157.5
85°	461.7	472.3	516.5	552.5	592.4	630.4	657.8	683.2	708.5	708.5	704.2
87.5°	139.1	124.4	149.7	164.6	185.5	204.5	217.2	242.4	259.4	240.5	240.5
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°	742.1	742.1	742.1	742.1	742.1	742.1	742.1	742.1
2.5°	765.4	765.4	765.4	765.4	765.4	765.4	765.4	765.4
5°	776.0	778.1	778.1	780.1	780.1	780.1	780.1	780.1
7.5°	784.4	784.4	784.4	784.4	786.5	786.5	786.5	786.5
10°	809.6	811.8	809.6	809.6	805.5	803.4	803.4	803.4
12.5°	845.4	847.6	847.6	843.5	839.2	835.1	832.9	830.7
15°	879.3	885.5	881.4	879.3	875.0	877.1	877.1	879.3
17.5°	931.9	934.1	927.8	923.5	921.3	925.6	930.0	931.9
20°	1022.7	1018.4	1005.9	1001.6	997.2	997.2	1001.6	1001.6
22.5°	1079.6	1069.1	1060.6	1056.3	1056.3	1056.3	1050.1	1041.7
25°	1119.5	1113.3	1107.0	1111.1	1115.4	1109.2	1094.3	1092.1
27.5°	1174.5	1161.8	1159.6	1157.5	1159.6	1155.5	1153.4	1145.0
30°	1246.1	1229.3	1225.0	1220.9	1208.2	1204.1	1208.2	1214.4
32.5°	1313.6	1303.1	1307.4	1298.7	1275.7	1267.3	1271.4	1269.4
35°	1410.7	1391.7	1391.7	1374.7	1368.4	1366.2	1349.4	1334.8
37.5°	1564.4	1539.2	1533.0	1495.0	1478.2	1482.3	1459.2	1442.2
40°	1752.1	1733.3	1716.3	1674.2	1650.9	1621.4	1606.7	1606.7
42.5°	1876.5	1864.0	1840.7	1811.2	1785.9	1735.3	1716.3	1726.8
45°	2013.7	1996.9	1948.3	1918.8	1895.5	1859.7	1838.6	1817.6
47.5°	2152.8	2129.7	2072.8	2034.8	1979.8	1969.2	1946.2	1916.6
50°	2275.1	2266.7	2226.5	2163.3	2093.7	2076.9	2055.7	2028.3
52.5°	2424.7	2374.3	2340.4	2313.0	2235.0	2180.2	2150.6	2163.3
55°	2669.3	2606.1	2519.6	2433.1	2416.3	2351.0	2277.2	2317.3
57.5°	2810.6	2774.8	2709.4	2572.5	2505.0	2460.5	2412.2	2376.2
60°	2844.4	2779.1	2764.2	2660.9	2553.5	2460.5	2479.5	2395.2
62.5°	2909.8	2821.1	2739.0	2656.8	2591.4	2464.9	2460.5	2416.3
63°	2930.9	2842.3	2755.8	2656.8	2597.7	2479.5	2456.4	2433.1
65°	2926.6	2850.7	2785.3	2656.8	2568.2	2521.8	2407.9	2460.5
67.5°	2846.6	2783.2	2707.3	2618.8	2471.1	2435.3	2355.3	2365.9
70°	2717.8	2635.7	2564.1	2481.7	2363.7	2281.3	2233.0	2192.9
72.5°	2517.5	2443.7	2367.8	2291.9	2186.6	2087.4	2053.8	2009.4
75°	2252.0	2180.2	2110.7	2038.9	1939.9	1851.3	1815.5	1783.8
77.5°	1948.3	1887.1	1788.1	1720.6	1663.7	1568.8	1534.9	1501.3
80°	1553.9	1524.5	1452.7	1364.3	1334.8	1242.0	1216.6	1172.4
82.5°	1130.1	1100.5	1043.6	982.6	946.8	898.3	856.0	826.4
85°	689.5	657.8	628.2	573.5	552.5	516.5	482.9	466.1
87.5°	248.9	223.4	200.4	174.9	162.4	136.9	132.9	120.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)