

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: P197842

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197842
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P115513)
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-CG-MS/DIM
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
WIDE DISTRIBUTION WITH CLEAR GLASS LENS AND DIMMING OCCUPANCY SENSOR
Light Source: (160) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10608.9 lumens
Efficiency: N/A
Efficacy: 98.2 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



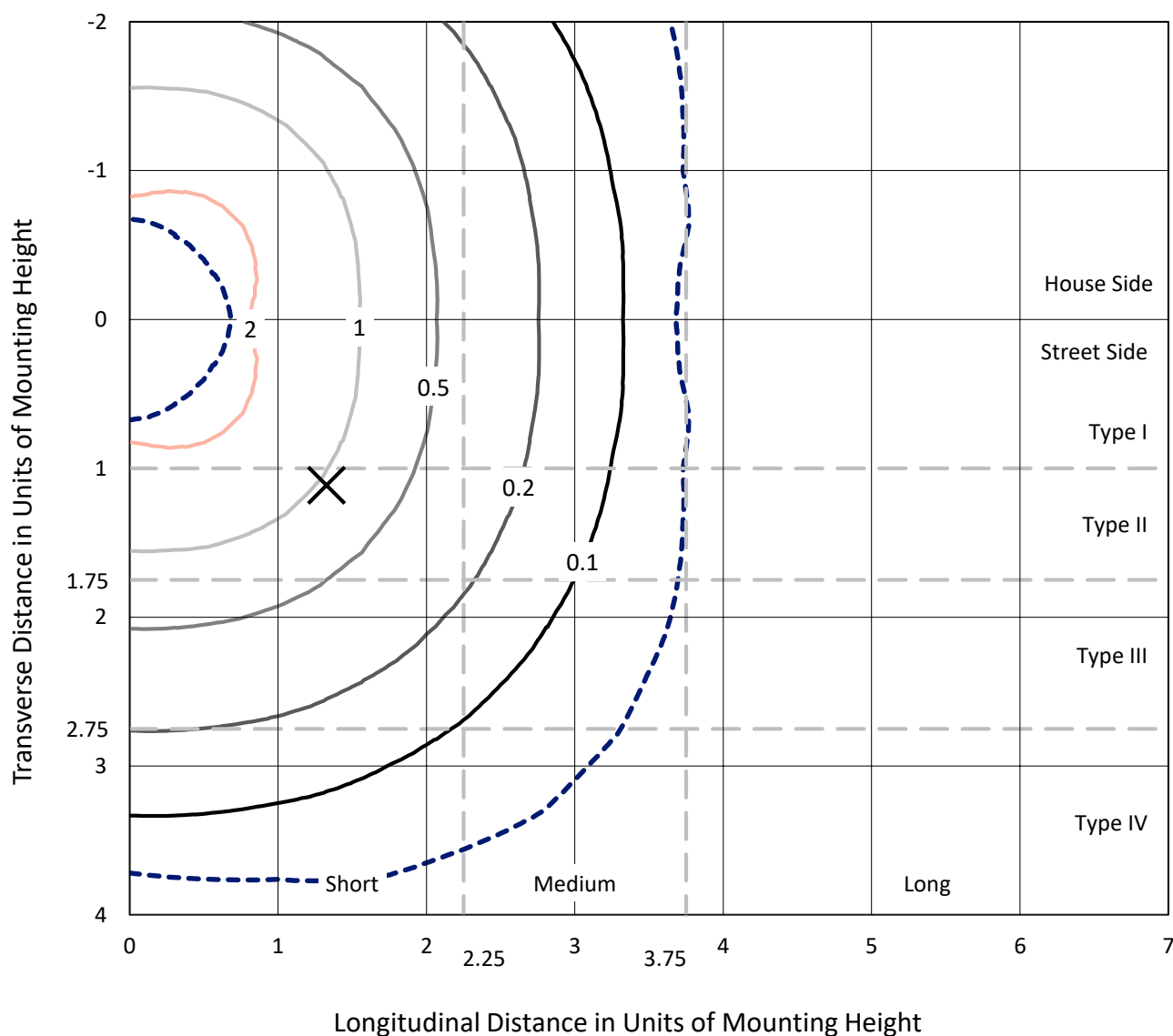
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

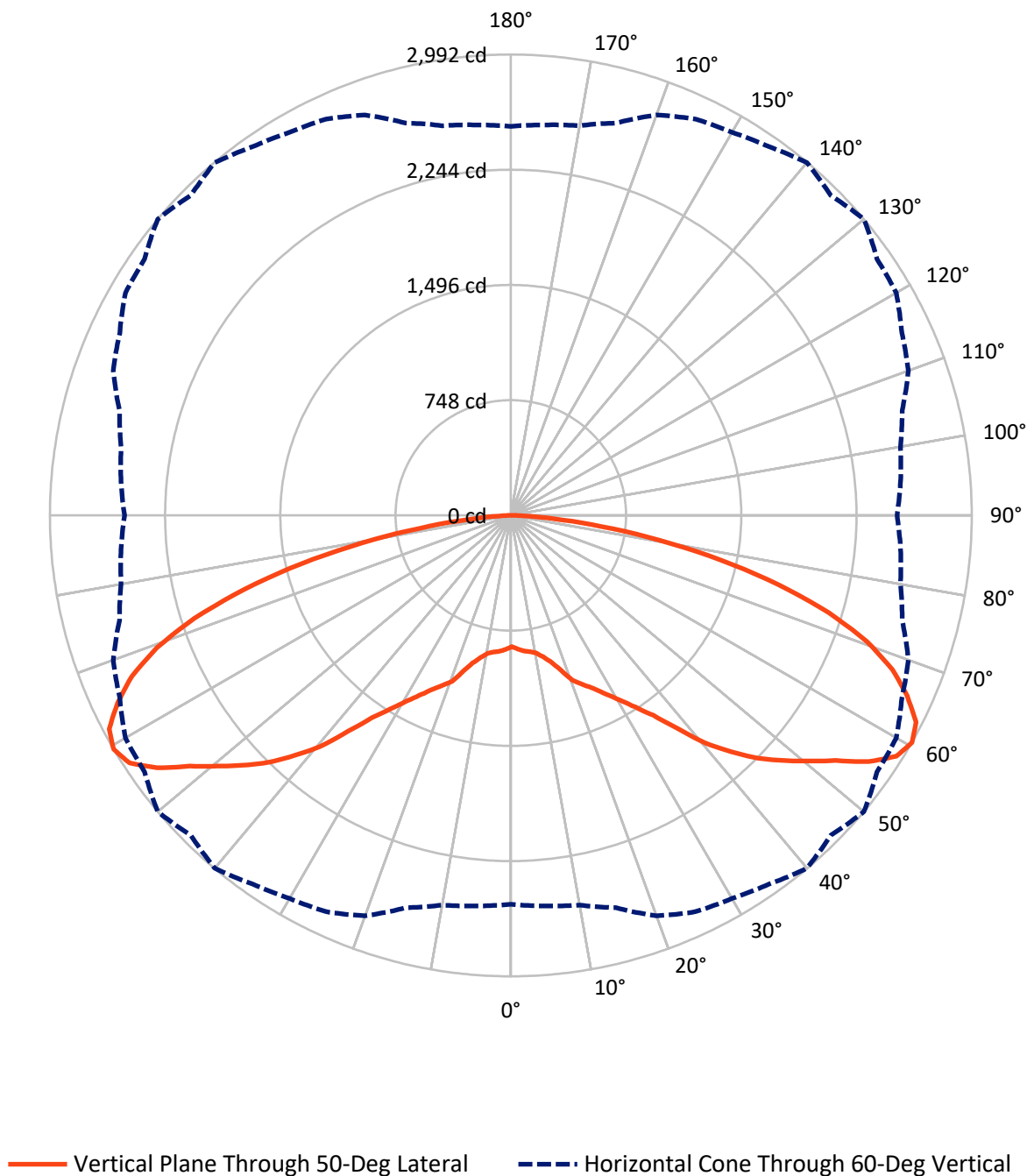


Based on 20 foot mounting height. Maximum calculated value = 2.4 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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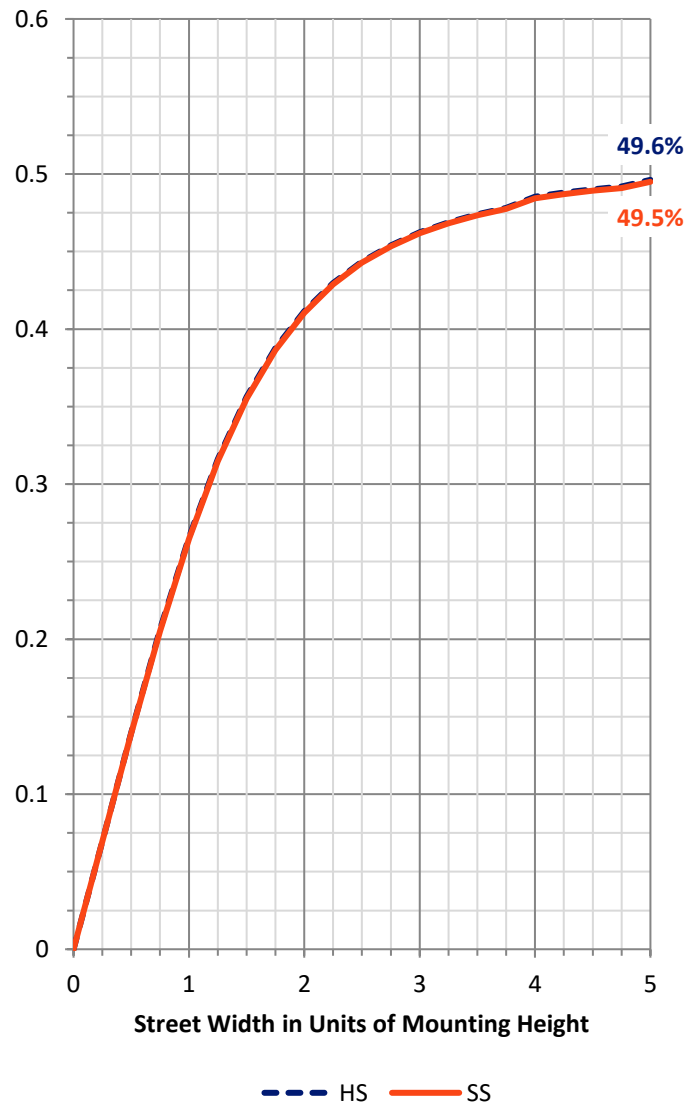
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5304.4	0.0	5304.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5304.4	0.0	5304.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	10608.9	0.0	10608.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.8	0.8
10°-20°	286.2	2.7
20°-30°	577.8	5.4
30°-40°	998.8	9.4
40°-50°	1658.9	15.6
50°-60°	2357.5	22.2
60°-70°	2575.1	24.3
70°-80°	1710.7	16.1
80°-90°	359.1	3.4
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°	10608.9	100.0
0°-180°	10608.9	100.0

Coefficient of Utilization



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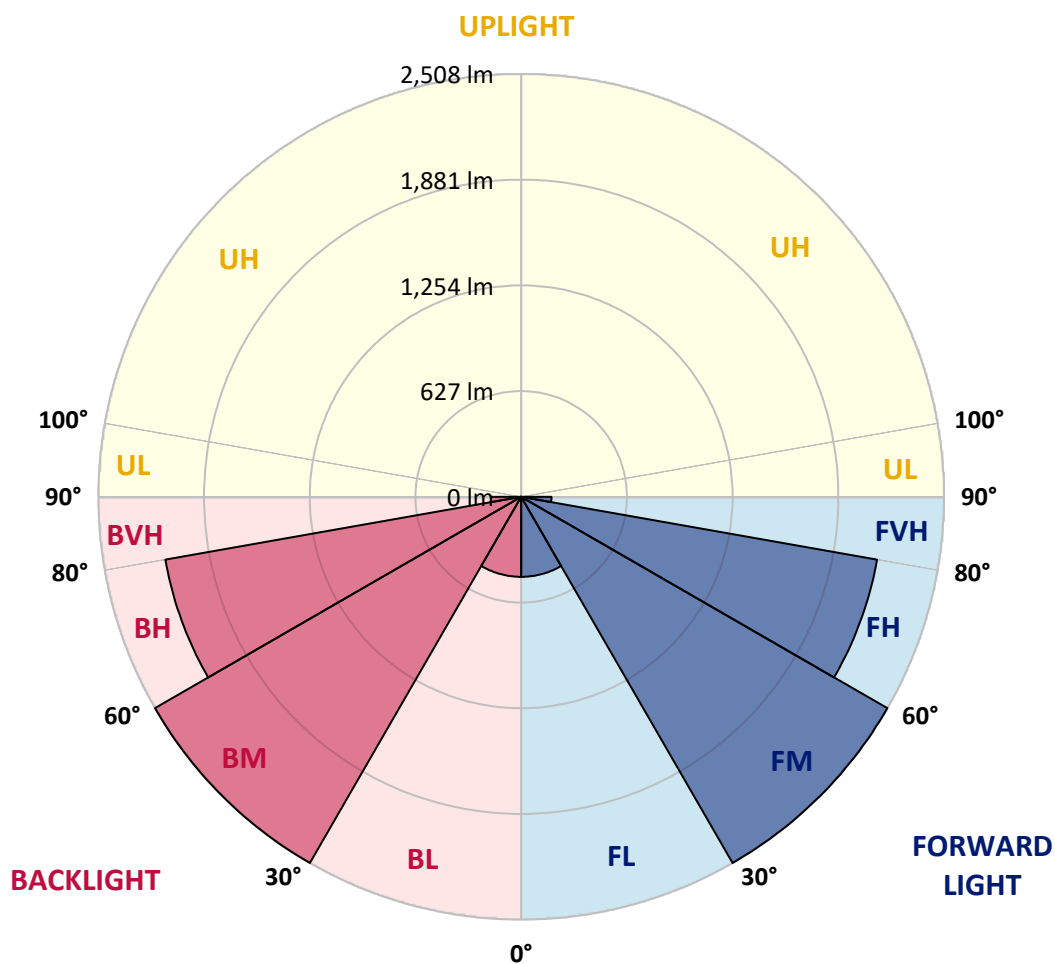
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	474.4	4.5			
FM	(30°-60°)	2507.6	23.6			
FH	(60°-80°)	2142.9	20.2			G2/5000
FVH	(80°-90°)	179.5	1.7			G2/225
BL	(0°-30°)	474.4	4.5	B1/500		
BM	(30°-60°)	2507.6	23.6	B3/5000		
BH	(60°-80°)	2142.9	20.2	B3/2500		G2/5000
BVH	(80°-90°)	179.5	1.7			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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2
2.5°	868.8	868.8	868.8	868.8	868.8	868.8	868.8	868.8	866.6	868.8	868.8
5°	877.5	877.5	877.5	879.7	879.7	879.7	881.9	881.9	881.9	884.1	884.1
7.5°	884.1	884.1	884.1	884.1	886.3	886.3	886.3	888.5	888.5	890.7	892.9
10°	912.6	912.6	912.6	912.6	912.6	910.4	910.4	910.4	908.2	908.2	908.2
12.5°	947.7	949.9	952.1	952.1	952.1	952.1	947.7	943.3	943.3	943.3	943.3
15°	980.6	982.8	985.0	989.4	991.6	993.8	993.8	993.8	993.8	993.8	989.4
17.5°	1033.3	1035.5	1035.5	1037.7	1039.9	1039.9	1042.1	1048.6	1057.4	1061.8	1057.4
20°	1114.5	1118.8	1121.0	1121.0	1123.2	1121.0	1125.4	1129.8	1136.4	1140.8	1143.0
22.5°	1173.7	1178.1	1184.7	1184.7	1184.7	1182.5	1186.9	1189.1	1186.9	1186.9	1191.2
25°	1219.8	1224.2	1228.5	1230.7	1235.1	1243.9	1252.7	1252.7	1246.1	1243.9	1243.9
27.5°	1279.0	1285.6	1285.6	1287.8	1292.2	1298.7	1307.5	1314.1	1318.5	1314.1	1311.9
30°	1355.8	1360.2	1362.4	1360.2	1368.9	1371.1	1373.3	1377.7	1390.9	1399.7	1388.7
32.5°	1415.0	1421.6	1428.2	1437.0	1456.7	1465.5	1463.3	1467.7	1472.1	1480.8	1483.0
35°	1505.0	1515.9	1518.1	1524.7	1548.8	1562.0	1581.7	1592.7	1590.5	1579.6	1594.9
37.5°	1641.0	1654.1	1656.3	1667.3	1691.4	1702.4	1724.3	1752.9	1759.4	1744.1	1752.9
40°	1783.6	1801.1	1816.5	1840.6	1880.1	1893.3	1919.6	1935.0	1956.9	1959.1	1943.7
42.5°	1904.2	1924.0	1924.0	1965.7	2009.5	2046.8	2079.7	2081.9	2097.3	2119.2	2097.3
45°	2033.7	2049.0	2055.6	2090.7	2117.0	2165.3	2213.6	2231.1	2237.7	2242.1	2248.7
47.5°	2152.1	2171.9	2178.5	2209.2	2237.7	2281.6	2312.3	2364.9	2378.1	2360.6	2378.1
50°	2226.7	2248.7	2266.2	2329.8	2380.3	2417.6	2443.9	2490.0	2516.3	2503.2	2505.3
52.5°	2343.0	2349.6	2367.1	2402.2	2474.6	2575.5	2606.3	2621.6	2658.9	2678.7	2643.6
55°	2501.0	2522.9	2536.1	2577.7	2615.0	2687.4	2803.7	2827.8	2819.1	2880.5	2821.3
57.5°	2527.3	2560.2	2601.9	2680.9	2746.7	2786.2	2858.6	2941.9	2939.7	2948.5	2950.7
60°	2525.1	2544.8	2569.0	2637.0	2766.4	2838.8	2871.7	2922.2	2990.2	2937.5	2992.4
62.5°	2509.7	2538.3	2564.6	2612.8	2683.0	2786.2	2878.3	2871.7	2963.9	2922.2	2952.9
65°	2417.6	2443.9	2492.2	2555.8	2641.4	2689.6	2781.8	2841.0	2827.8	2884.9	2827.8
67.5°	2257.4	2281.6	2321.1	2395.7	2485.6	2555.8	2588.7	2687.4	2676.5	2740.1	2672.1
70°	2038.1	2068.8	2114.8	2167.5	2255.3	2329.8	2367.1	2430.8	2461.5	2457.1	2452.7
72.5°	1774.8	1801.1	1838.4	1895.5	1970.1	2042.4	2071.0	2119.2	2169.7	2154.3	2158.7
75°	1480.8	1502.8	1531.3	1566.4	1636.6	1693.6	1726.5	1770.4	1809.9	1798.9	1794.5
77.5°	1140.8	1167.1	1197.8	1230.7	1259.3	1311.9	1336.0	1366.8	1399.7	1393.1	1395.3
80°	798.6	820.5	840.2	875.3	897.3	914.8	941.2	954.3	978.4	974.1	980.6
82.5°	487.0	502.4	515.5	533.1	552.8	548.5	550.6	566.0	585.8	574.8	592.3
85°	239.1	236.9	250.1	254.5	267.6	265.5	263.3	272.0	283.0	276.4	276.4
87.5°	61.4	61.4	61.4	63.6	70.2	76.8	70.2	74.6	79.0	81.2	79.0
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°	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2
2.5°	866.6	868.8	866.6	868.8	868.8	868.8	868.8	866.6
5°	884.1	881.9	881.9	881.9	879.7	877.5	877.5	877.5
7.5°	892.9	892.9	890.7	888.5	886.3	886.3	890.7	888.5
10°	912.6	914.8	917.0	919.2	917.0	914.8	914.8	912.6
12.5°	943.3	945.5	949.9	954.3	954.3	952.1	947.7	945.5
15°	987.2	985.0	987.2	991.6	991.6	985.0	978.4	976.3
17.5°	1048.6	1042.1	1037.7	1037.7	1042.1	1035.5	1028.9	1031.1
20°	1134.2	1123.2	1121.0	1114.5	1121.0	1121.0	1110.1	1110.1
22.5°	1195.6	1186.9	1178.1	1171.5	1180.3	1184.7	1173.7	1164.9
25°	1252.7	1250.5	1237.3	1230.7	1230.7	1232.9	1217.6	1219.8
27.5°	1309.7	1309.7	1300.9	1290.0	1285.6	1292.2	1279.0	1274.6
30°	1377.7	1371.1	1377.7	1362.4	1351.4	1358.0	1358.0	1349.2
32.5°	1465.5	1456.7	1463.3	1445.7	1430.4	1428.2	1417.2	1404.0
35°	1590.5	1568.6	1557.6	1548.8	1518.1	1515.9	1513.7	1502.8
37.5°	1748.5	1720.0	1695.8	1698.0	1654.1	1643.2	1643.2	1627.8
40°	1937.1	1919.6	1884.5	1871.3	1827.5	1798.9	1796.7	1768.2
42.5°	2068.8	2075.4	2029.3	1998.6	1963.5	1919.6	1921.8	1891.1
45°	2213.6	2200.4	2158.7	2108.3	2092.9	2044.6	2046.8	2016.1
47.5°	2351.8	2303.5	2281.6	2226.7	2202.6	2147.8	2154.3	2132.4
50°	2487.8	2435.1	2411.0	2351.8	2312.3	2255.3	2248.7	2202.6
52.5°	2632.6	2582.1	2549.2	2463.7	2411.0	2367.1	2349.6	2327.6
55°	2821.3	2770.8	2689.6	2606.3	2566.8	2498.8	2492.2	2463.7
57.5°	2904.6	2865.1	2779.6	2724.7	2645.8	2575.5	2549.2	2494.4
60°	2902.4	2889.3	2801.5	2746.7	2630.4	2569.0	2540.4	2507.5
62.5°	2878.3	2862.9	2759.8	2698.4	2593.1	2540.4	2518.5	2476.8
65°	2830.0	2777.4	2685.2	2634.8	2520.7	2474.6	2426.4	2389.1
67.5°	2694.0	2584.3	2542.6	2479.0	2367.1	2318.9	2272.8	2235.5
70°	2439.5	2358.4	2321.1	2242.1	2145.6	2114.8	2057.8	2016.1
72.5°	2114.8	2071.0	2031.5	1945.9	1877.9	1847.2	1790.2	1755.1
75°	1755.1	1728.7	1673.9	1610.3	1548.8	1537.9	1476.4	1463.3
77.5°	1362.4	1338.2	1294.4	1248.3	1219.8	1197.8	1143.0	1138.6
80°	954.3	939.0	903.9	884.1	864.4	844.6	807.3	802.9
82.5°	563.8	552.8	555.0	535.3	524.3	519.9	491.4	493.6
85°	272.0	263.3	263.3	263.3	252.3	250.1	232.5	234.7
87.5°	79.0	70.2	70.2	70.2	65.8	65.8	57.0	59.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)