

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: P92773

Luminaire Tested: **LRC-B32-7-LED-E1-MST**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P92773
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (LM-63-2002)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: LRC-B32-7-LED-E1-MST
Description: LRC CANOPY LUMINAIRE
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6047.6 lumens
Efficiency: N/A
Efficacy: 82.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.9' x L: 0.9' x H: 0.1')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B3 - U0 - G1

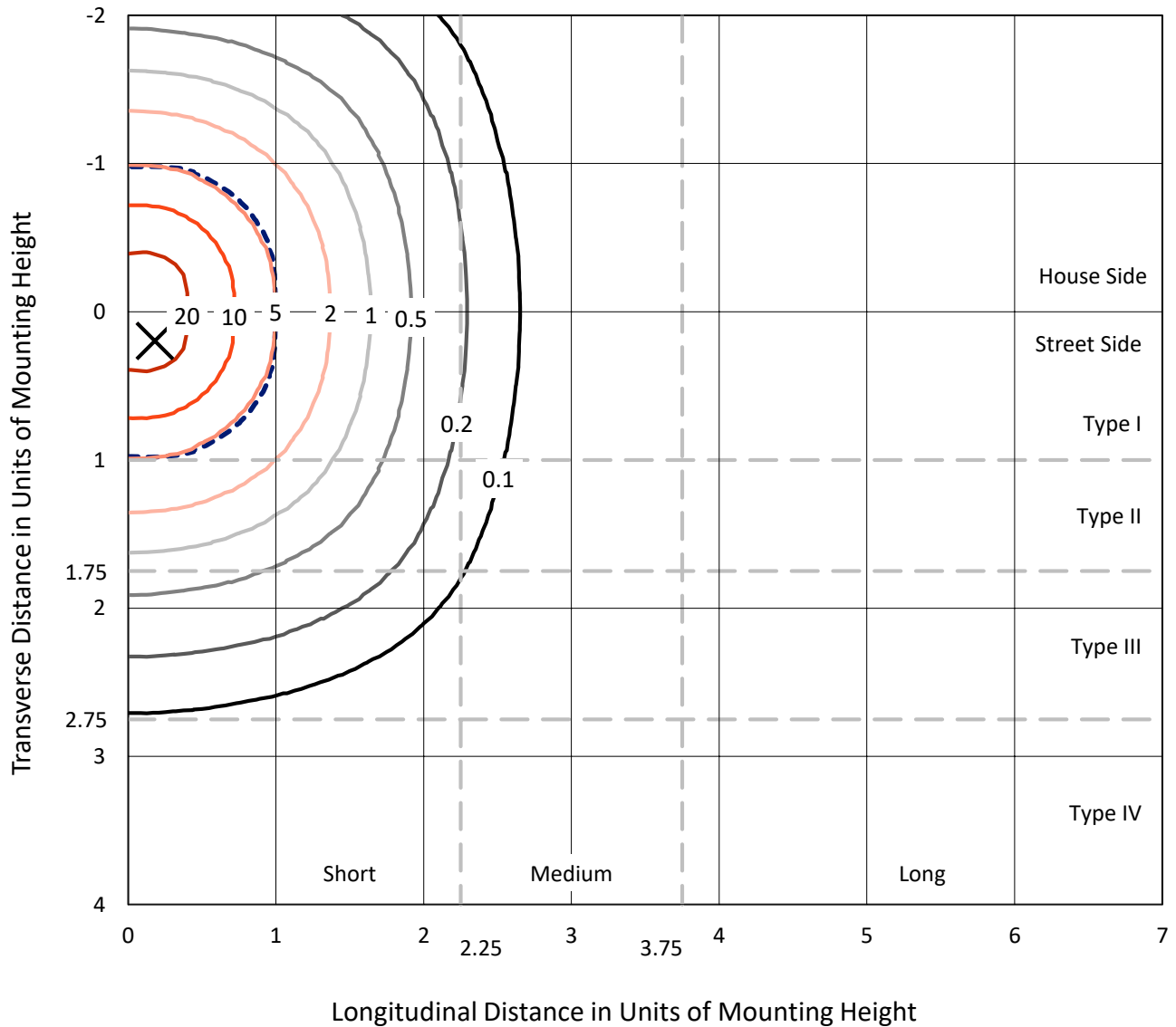
Input Watts (W): 73
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

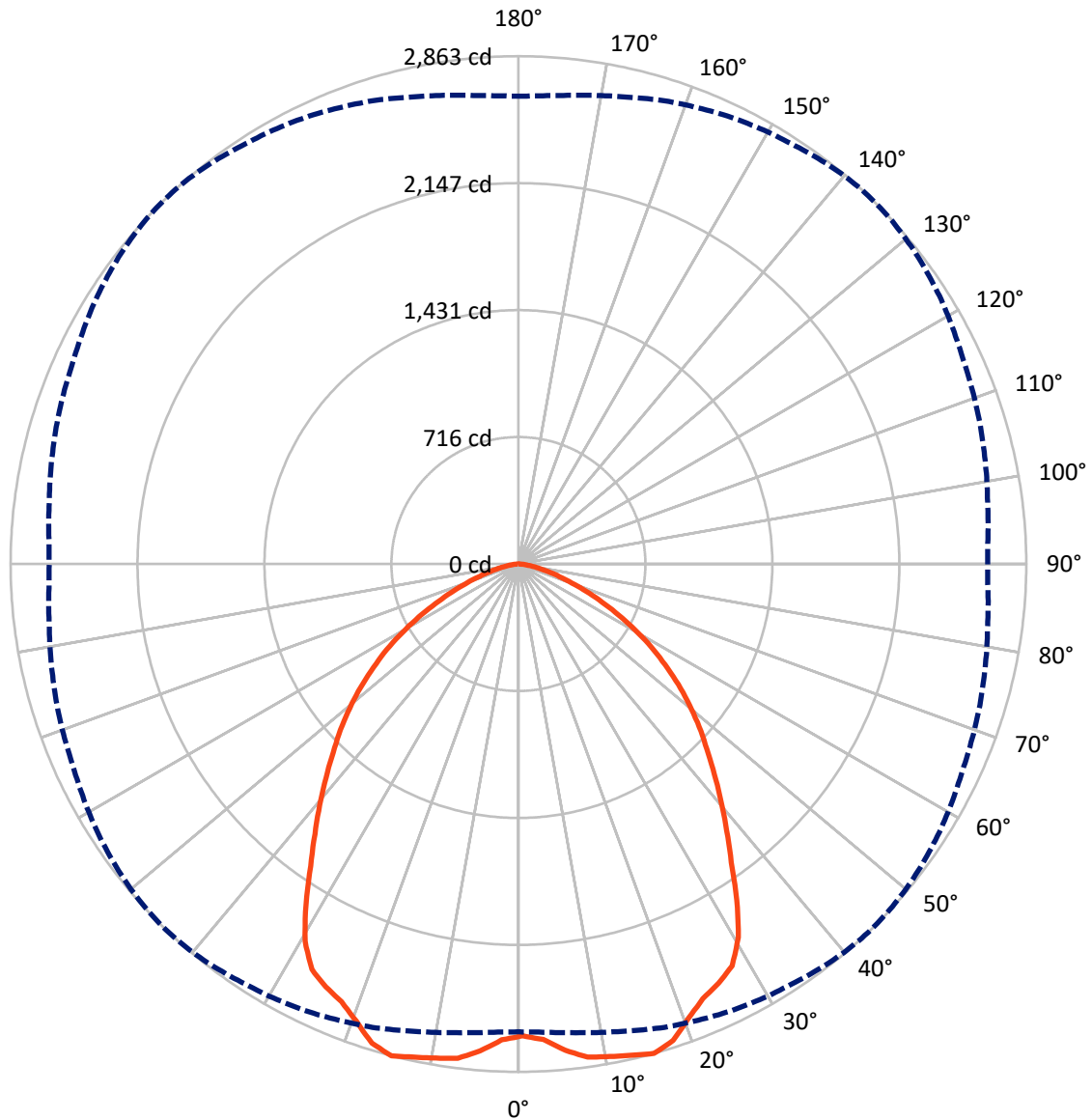
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 27 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 42.5-Deg Lateral - - - Horizontal Cone Through 15-Deg Vertical

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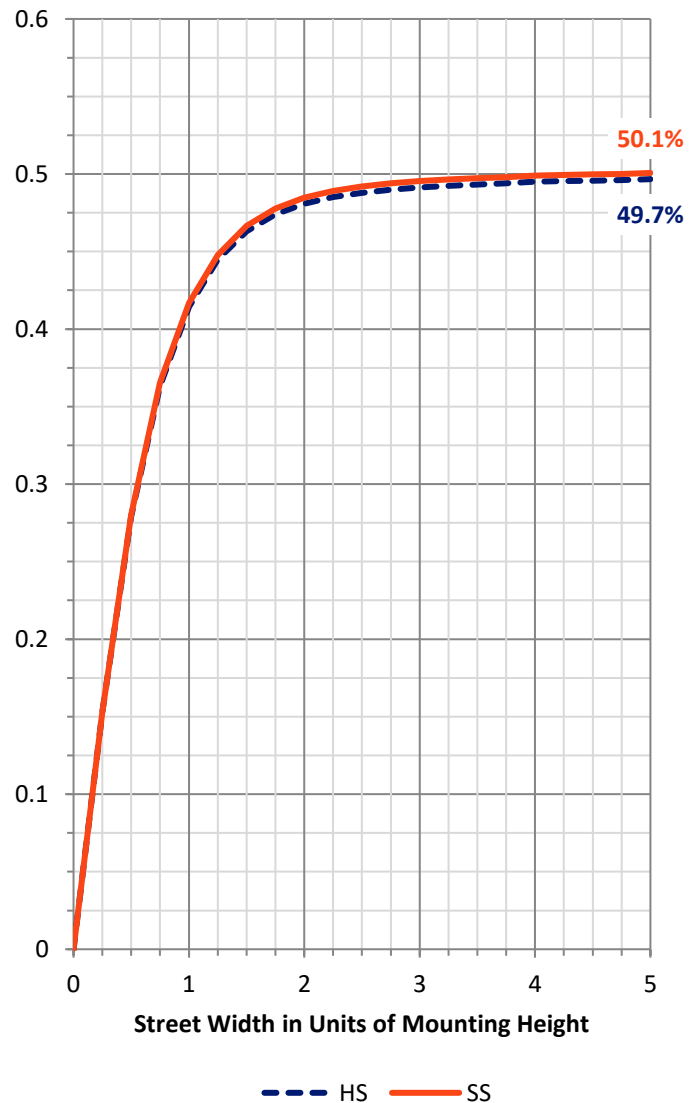
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3023.8	0.0	3023.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3023.8	0.0	3023.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	6047.6	0.0	6047.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	262.8	4.3
10°-20°	776.1	12.8
20°-30°	1147.9	19.0
30°-40°	1248.1	20.6
40°-50°	1123.5	18.6
50°-60°	846.7	14.0
60°-70°	446.4	7.4
70°-80°	164.3	2.7
80°-90°	31.8	0.5
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°	6047.6	100.0
0°-180°	6047.6	100.0



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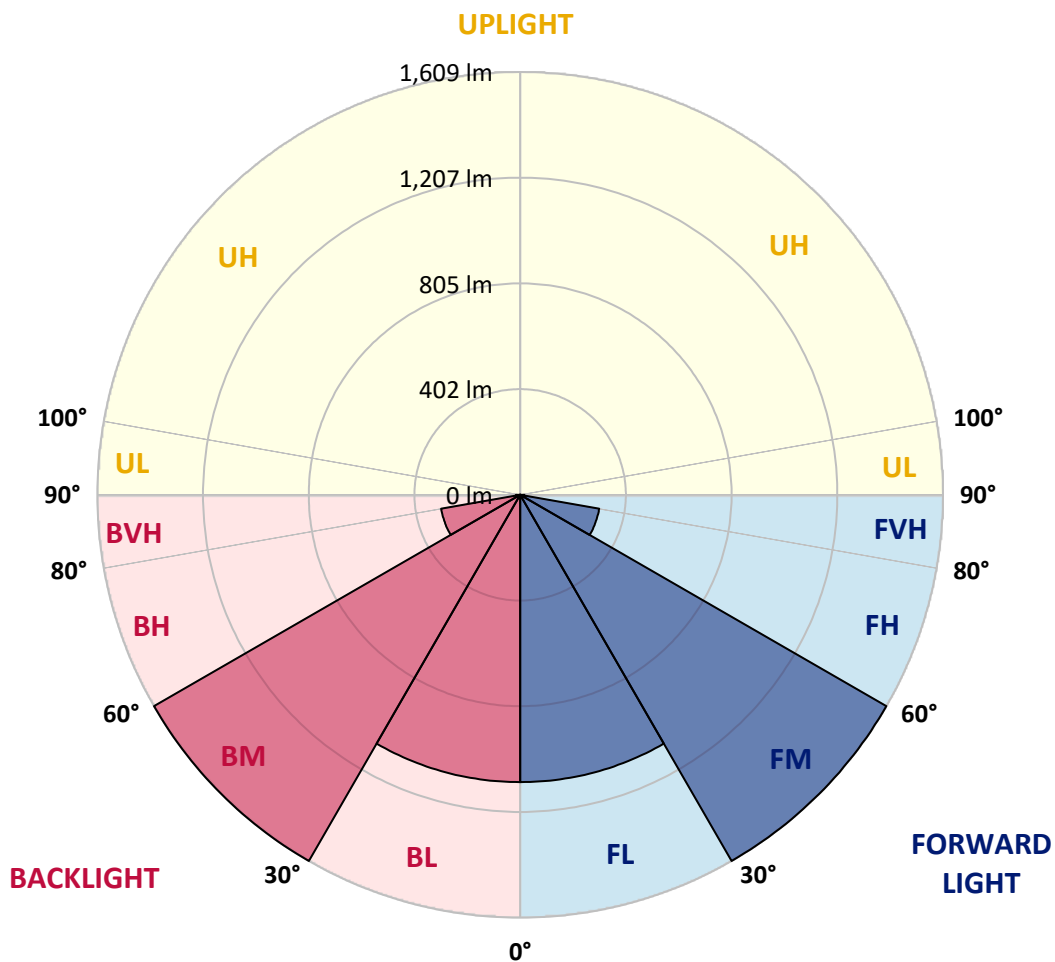
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1093.4	18.1			
FM	(30°-60°)	1609.2	26.6			
FH	(60°-80°)	305.3	5.0			G0/660
FVH	(80°-90°)	15.9	0.3			G1/100
BL	(0°-30°)	1093.4	18.1	B3/2500		
BM	(30°-60°)	1609.2	26.6	B2/2500		
BH	(60°-80°)	305.3	5.0	B1/500		G0/660
BVH	(80°-90°)	15.9	0.3			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





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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	2659.6	2659.6	2659.6	2659.6	2659.6	2659.6	2659.6	2659.6	2659.6	2659.6	2659.6
2.5°	2673.8	2676.7	2678.8	2677.4	2675.9	2676.7	2676.7	2675.2	2676.7	2676.7	2676.7
5°	2713.6	2715.7	2718.6	2717.9	2720.0	2721.4	2723.6	2723.6	2726.4	2730.0	2732.8
7.5°	2719.3	2720.0	2722.9	2725.0	2727.1	2730.7	2737.1	2742.0	2746.3	2754.1	2762.7
10°	2725.0	2725.7	2728.5	2734.2	2742.0	2749.9	2758.4	2766.2	2773.3	2781.8	2791.1
12.5°	2705.1	2706.5	2708.6	2720.7	2732.8	2748.4	2762.7	2779.0	2791.1	2805.3	2816.7
15°	2636.9	2641.1	2651.1	2665.3	2681.6	2698.0	2717.9	2738.5	2754.1	2770.5	2786.8
17.5°	2585.7	2589.9	2602.0	2619.1	2634.7	2657.5	2675.2	2690.2	2704.4	2719.3	2733.5
20°	2530.2	2534.5	2545.9	2567.2	2588.5	2612.7	2633.3	2646.8	2661.7	2677.4	2691.6
22.5°	2444.2	2450.6	2464.9	2484.8	2509.6	2535.2	2558.0	2575.0	2594.2	2614.8	2632.6
25°	2335.5	2342.6	2356.8	2381.0	2404.4	2426.5	2449.2	2470.5	2493.3	2516.7	2539.5
27.5°	2228.9	2239.5	2253.1	2275.1	2297.1	2316.3	2336.2	2359.0	2382.4	2403.7	2416.5
30°	2119.4	2125.8	2142.9	2164.9	2185.5	2206.9	2229.6	2250.2	2265.8	2280.1	2285.0
32.5°	2004.3	2009.3	2023.5	2044.1	2064.7	2087.4	2110.2	2127.3	2138.6	2144.3	2147.9
35°	1884.2	1890.6	1900.5	1915.4	1938.9	1961.6	1980.1	1996.5	2005.0	2009.3	2017.1
37.5°	1759.1	1764.8	1772.6	1788.9	1811.0	1831.6	1850.8	1859.3	1864.3	1874.2	1887.7
40°	1630.4	1634.7	1643.9	1656.7	1676.6	1694.4	1708.6	1717.9	1731.4	1742.7	1756.2
42.5°	1509.6	1510.3	1513.9	1525.3	1543.7	1555.8	1567.2	1577.1	1590.6	1603.4	1614.1
45°	1375.3	1382.4	1385.2	1392.3	1403.7	1415.1	1425.7	1439.3	1452.0	1463.4	1472.7
47.5°	1252.3	1255.9	1256.6	1266.5	1273.6	1281.5	1294.3	1305.6	1317.7	1329.8	1332.6
50°	1134.3	1130.8	1133.6	1140.0	1145.7	1151.4	1167.0	1175.6	1186.2	1193.3	1200.4
52.5°	1010.0	1006.4	1005.7	1015.6	1020.6	1028.4	1037.0	1047.6	1059.0	1066.1	1073.9
55°	876.3	875.6	875.6	882.0	887.7	896.2	906.9	915.4	926.8	935.3	944.6
57.5°	744.1	744.1	746.3	747.0	754.8	761.9	767.6	780.4	792.5	803.8	813.8
60°	615.5	616.9	612.7	619.1	624.0	629.7	636.8	647.5	658.9	670.2	683.7
62.5°	490.4	493.3	494.0	492.5	501.8	506.0	513.9	521.7	532.3	545.1	555.8
65°	381.0	383.1	387.4	383.8	390.9	396.6	405.1	414.4	424.3	435.7	444.9
67.5°	297.1	299.2	300.6	299.9	307.0	309.2	315.6	323.4	331.9	341.2	351.1
70°	231.7	233.8	233.8	234.5	238.8	240.2	245.2	250.9	256.6	264.4	271.5
72.5°	179.1	181.2	181.9	184.1	185.5	186.2	189.1	193.3	196.9	201.1	206.1
75°	135.8	137.2	137.9	137.9	140.0	141.4	143.6	146.4	147.8	151.4	154.2
77.5°	99.5	100.9	101.6	102.3	103.1	103.1	104.5	106.6	108.0	110.2	111.6
80°	69.7	69.7	70.4	71.1	71.8	71.8	73.9	73.9	74.6	76.0	76.8
82.5°	44.1	44.1	44.8	44.8	45.5	45.5	46.9	46.2	46.9	47.6	47.6
85°	23.5	23.5	24.2	24.2	24.9	24.2	24.9	24.2	24.2	24.2	24.2
87.5°	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
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):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	2659.6	2659.6	2659.6	2659.6	2659.6	2659.6	2659.6	2659.6	2659.6	2659.6	2659.6
2.5°	2677.4	2676.7	2678.8	2679.5	2679.5	2679.5	2683.8	2684.5	2685.9	2686.6	2688.0
5°	2735.6	2738.5	2741.3	2745.6	2746.3	2748.4	2753.4	2754.1	2756.3	2757.7	2757.7
7.5°	2768.3	2776.9	2781.8	2790.4	2794.6	2799.6	2806.7	2810.3	2812.4	2813.8	2812.4
10°	2798.2	2807.4	2812.4	2816.7	2820.2	2823.1	2823.8	2823.8	2822.4	2822.4	2819.5
12.5°	2823.1	2829.5	2832.3	2833.7	2837.3	2840.8	2841.5	2843.7	2843.7	2842.3	2839.4
15°	2799.6	2812.4	2822.4	2835.1	2847.9	2857.2	2862.9	2862.9	2859.3	2851.5	2840.8
17.5°	2749.9	2768.3	2781.1	2796.8	2813.1	2820.9	2823.8	2823.8	2818.1	2808.9	2791.8
20°	2706.5	2722.9	2732.1	2738.5	2742.8	2740.6	2734.9	2731.4	2730.0	2730.0	2727.1
22.5°	2652.5	2664.6	2670.3	2669.5	2666.7	2661.0	2661.0	2666.7	2672.4	2675.9	2680.2
25°	2558.0	2570.0	2574.3	2581.4	2591.4	2605.6	2619.1	2631.2	2639.0	2636.1	2630.5
27.5°	2426.5	2437.1	2449.9	2479.1	2511.1	2542.3	2565.1	2580.7	2582.8	2567.2	2542.3
30°	2290.7	2306.4	2327.0	2362.5	2398.8	2422.2	2442.8	2442.1	2439.3	2423.6	2398.8
32.5°	2159.9	2182.0	2207.6	2233.9	2251.6	2259.4	2260.2	2243.1	2239.5	2232.4	2220.4
35°	2034.9	2054.0	2071.8	2078.9	2081.8	2073.9	2066.1	2063.3	2054.0	2053.3	2049.1
37.5°	1904.1	1912.6	1916.2	1914.7	1911.9	1903.4	1906.2	1906.2	1898.4	1896.3	1897.0
40°	1766.2	1765.5	1760.5	1756.2	1752.7	1756.2	1759.8	1753.4	1756.2	1754.8	1754.1
42.5°	1617.6	1614.8	1611.3	1610.5	1612.0	1612.7	1619.8	1625.5	1619.8	1621.9	1621.9
45°	1474.1	1472.7	1474.8	1478.3	1482.6	1482.6	1489.0	1491.8	1491.8	1495.4	1494.0
47.5°	1338.3	1344.0	1347.6	1354.0	1358.9	1361.1	1371.7	1376.7	1376.0	1375.3	1371.7
50°	1211.1	1218.2	1221.8	1231.0	1236.0	1241.0	1249.5	1253.7	1250.2	1249.5	1247.4
52.5°	1083.9	1091.0	1102.4	1108.8	1114.4	1120.1	1128.7	1135.1	1132.2	1132.2	1127.2
55°	957.4	968.7	978.0	985.1	990.1	998.6	1002.9	1008.5	1011.4	1010.7	1007.1
57.5°	828.0	838.7	848.6	859.3	868.5	880.6	885.6	887.7	888.4	890.6	884.2
60°	696.5	709.3	721.4	732.1	739.9	753.4	756.9	767.6	766.2	761.9	752.7
62.5°	568.6	580.0	592.0	604.8	619.1	626.2	634.7	641.1	640.4	635.4	626.9
65°	457.7	467.0	478.3	488.3	501.1	509.6	518.1	520.3	518.1	513.2	502.5
67.5°	361.1	371.7	380.2	389.5	401.6	407.3	412.2	411.5	411.5	405.8	396.6
70°	280.0	287.9	296.4	302.8	312.7	315.6	319.8	319.8	317.7	313.4	307.0
72.5°	212.5	217.5	226.0	230.3	236.0	239.5	240.9	241.7	238.8	234.5	229.6
75°	157.8	161.3	166.3	168.4	171.3	174.1	174.8	175.6	172.7	170.6	166.3
77.5°	113.7	116.6	119.4	118.7	120.8	122.2	122.2	121.5	120.8	119.4	116.6
80°	78.2	77.5	79.6	78.9	81.0	81.7	81.7	81.7	81.0	79.6	77.5
82.5°	47.6	47.6	49.0	49.8	50.5	51.2	51.2	51.2	50.5	49.8	48.3
85°	24.9	25.6	26.3	27.0	27.0	27.7	27.7	27.7	27.7	27.0	26.3
87.5°	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
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°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	2659.6	2659.6	2659.6	2659.6	2659.6	2659.6	2659.6	2659.6	2659.6	2659.6	2659.6
2.5°	2688.0	2685.2	2683.8	2683.8	2682.3	2681.6	2683.1	2682.3	2683.8	2683.8	2683.1
5°	2758.4	2754.8	2752.0	2752.0	2748.4	2748.4	2748.4	2746.3	2744.9	2746.3	2744.9
7.5°	2808.9	2806.7	2801.7	2797.5	2791.8	2789.0	2784.7	2780.4	2775.4	2771.9	2769.0
10°	2820.2	2818.8	2816.7	2813.8	2809.6	2803.9	2799.6	2793.2	2786.1	2779.7	2776.2
12.5°	2836.6	2833.7	2828.8	2821.6	2815.2	2806.7	2796.1	2783.3	2772.6	2763.4	2755.5
15°	2827.3	2813.8	2796.8	2779.0	2761.2	2747.7	2735.6	2722.9	2708.6	2695.1	2681.6
17.5°	2775.4	2759.1	2739.9	2721.4	2705.1	2689.4	2678.1	2667.4	2655.3	2641.1	2627.6
20°	2725.0	2717.2	2701.5	2687.3	2676.7	2659.6	2643.2	2632.6	2623.3	2614.1	2598.5
22.5°	2683.1	2682.3	2672.4	2657.5	2640.4	2620.5	2598.5	2577.1	2559.4	2543.7	2526.7
25°	2625.5	2612.0	2591.4	2570.8	2551.6	2526.7	2499.7	2472.0	2448.5	2428.6	2408.7
27.5°	2513.9	2481.2	2457.0	2435.7	2413.7	2392.4	2369.6	2347.6	2325.5	2306.4	2288.6
30°	2364.6	2329.8	2306.4	2287.9	2273.7	2261.6	2248.8	2231.0	2212.5	2194.8	2177.7
32.5°	2204.7	2185.5	2164.2	2150.0	2137.9	2130.8	2125.1	2115.2	2098.8	2080.3	2061.2
35°	2047.6	2044.1	2037.0	2027.7	2017.1	2007.1	2000.7	1990.8	1976.6	1955.3	1936.1
37.5°	1899.8	1901.2	1902.7	1896.3	1888.4	1877.8	1868.5	1857.2	1841.5	1820.9	1802.4
40°	1754.8	1759.8	1764.8	1766.9	1761.9	1750.6	1737.8	1723.5	1706.5	1688.7	1671.0
42.5°	1619.8	1622.6	1624.8	1627.6	1627.6	1614.8	1602.7	1585.7	1572.2	1560.1	1545.2
45°	1491.8	1489.0	1491.8	1492.6	1489.7	1482.6	1469.1	1455.6	1444.9	1434.3	1422.9
47.5°	1368.2	1366.8	1365.3	1363.9	1358.9	1347.6	1341.2	1331.2	1322.0	1314.2	1307.8
50°	1247.4	1246.6	1241.7	1238.8	1231.7	1225.3	1216.1	1207.6	1199.0	1191.2	1184.1
52.5°	1127.9	1125.1	1120.8	1112.3	1105.2	1101.6	1092.4	1083.9	1073.2	1064.7	1059.0
55°	1002.9	1001.4	994.3	987.9	979.4	966.6	955.9	949.6	940.3	927.5	919.7
57.5°	874.9	869.2	862.1	854.3	842.9	828.7	818.1	804.6	797.5	788.9	782.5
60°	747.7	737.7	726.4	715.7	703.6	690.1	678.8	667.4	656.7	652.5	645.4
62.5°	614.8	605.6	593.5	580.0	568.6	554.4	545.1	533.8	524.5	516.7	509.6
65°	491.8	481.2	469.8	455.6	442.1	427.9	418.6	405.8	395.2	384.5	378.1
67.5°	384.5	373.1	361.8	346.8	335.5	323.4	314.9	303.5	294.2	287.1	282.9
70°	293.5	283.6	272.9	261.6	253.0	243.8	237.4	230.3	225.3	220.3	217.5
72.5°	220.3	213.9	204.0	196.2	189.8	184.1	180.5	176.3	173.4	169.9	167.7
75°	159.2	155.7	151.4	147.1	142.9	138.6	135.8	133.6	130.8	128.6	128.6
77.5°	114.4	112.3	109.5	105.9	103.8	101.6	98.8	98.1	96.7	95.2	94.5
80°	76.8	75.3	73.9	72.5	71.1	69.7	68.2	67.5	66.1	66.8	65.4
82.5°	47.6	46.2	45.5	44.8	44.1	44.1	43.4	42.6	41.9	42.6	41.9
85°	25.6	24.9	24.2	23.5	22.7	22.7	22.7	22.7	22.7	23.5	22.7
87.5°	10.0	10.0	10.0	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
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):

	82.5°	85°	87.5°	90°
0°	2659.6	2659.6	2659.6	2659.6
2.5°	2684.5	2683.8	2683.1	2685.2
5°	2744.2	2742.0	2741.3	2742.0
7.5°	2765.5	2760.5	2758.4	2757.7
10°	2769.8	2764.8	2761.9	2762.7
12.5°	2743.5	2732.8	2727.1	2726.4
15°	2667.4	2658.2	2648.2	2644.7
17.5°	2615.5	2602.7	2595.6	2592.1
20°	2583.5	2570.0	2562.2	2560.1
22.5°	2511.1	2494.0	2480.5	2474.8
25°	2391.6	2371.0	2360.4	2356.8
27.5°	2272.2	2256.6	2243.1	2241.0
30°	2162.1	2145.7	2131.5	2124.4
32.5°	2043.4	2024.9	2010.7	2012.1
35°	1914.0	1897.0	1886.3	1889.9
37.5°	1784.0	1768.3	1759.1	1763.4
40°	1656.0	1644.7	1639.0	1636.1
42.5°	1533.8	1527.4	1523.1	1524.5
45°	1413.7	1408.0	1405.1	1409.4
47.5°	1301.4	1291.4	1289.3	1292.8
50°	1179.1	1172.7	1172.7	1172.7
52.5°	1052.6	1050.5	1051.9	1050.5
55°	913.3	909.0	908.3	912.6
57.5°	776.1	776.1	774.7	774.7
60°	639.0	638.2	640.4	639.0
62.5°	500.4	496.8	496.8	496.1
65°	370.3	365.3	366.0	364.6
67.5°	277.9	274.3	272.9	272.2
70°	216.1	211.1	211.1	211.1
72.5°	167.0	164.9	163.5	163.5
75°	126.5	125.8	125.1	123.7
77.5°	93.1	92.4	91.7	91.0
80°	64.7	64.7	64.0	64.0
82.5°	41.2	41.2	40.5	40.5
85°	22.7	22.0	22.0	22.0
87.5°	9.2	9.2	9.2	9.2
90°	0.0	0.0	0.0	0.0

(END OF REPORT)