

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: P92774

Luminaire Tested: **LRC-B64-3-LED-E1-MST**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P92774  
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-B64-3-LED-E1-MST  
Description: LRC CANOPY LUMINAIRE  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6679.4 lumens  
Efficiency: N/A  
Efficacy: 96.2 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): 69.4  
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

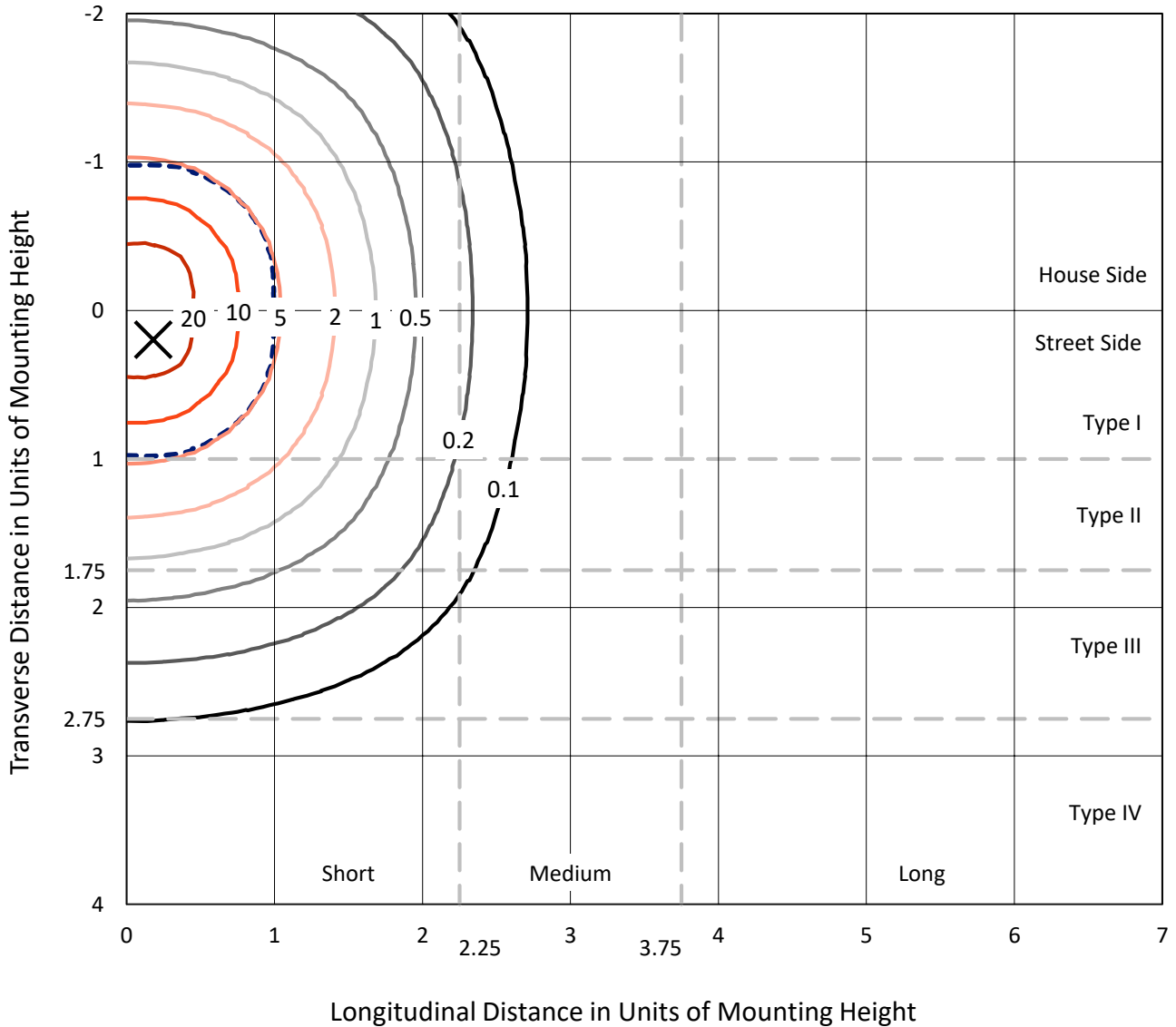


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### Iso-Footcandle Lines of Horizontal Illumination

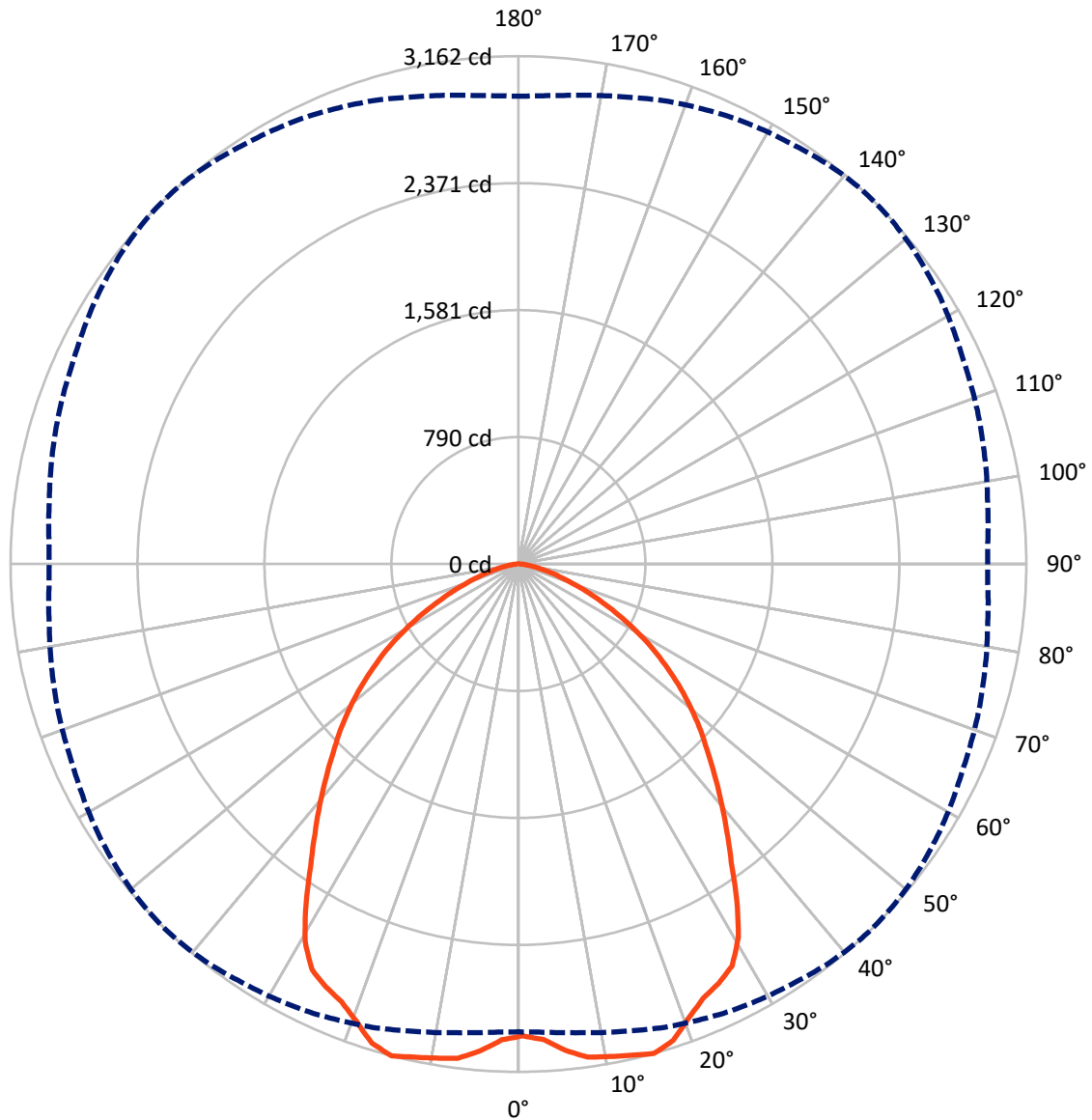
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 29.8 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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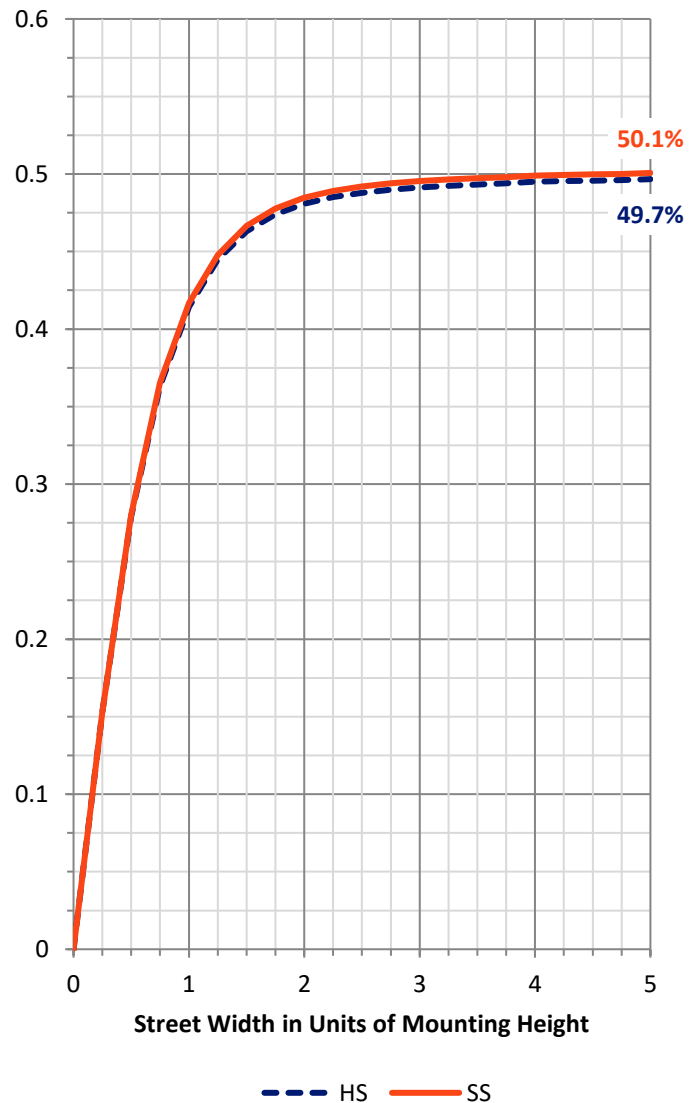
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3339.7	0.0	3339.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3339.7	0.0	3339.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6679.4	0.0	6679.4
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	290.3	4.3
10°-20°	857.1	12.8
20°-30°	1267.9	19.0
30°-40°	1378.5	20.6
40°-50°	1240.9	18.6
50°-60°	935.2	14.0
60°-70°	493.0	7.4
70°-80°	181.4	2.7
80°-90°	35.1	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°	6679.4	100.0
0°-180°	6679.4	100.0



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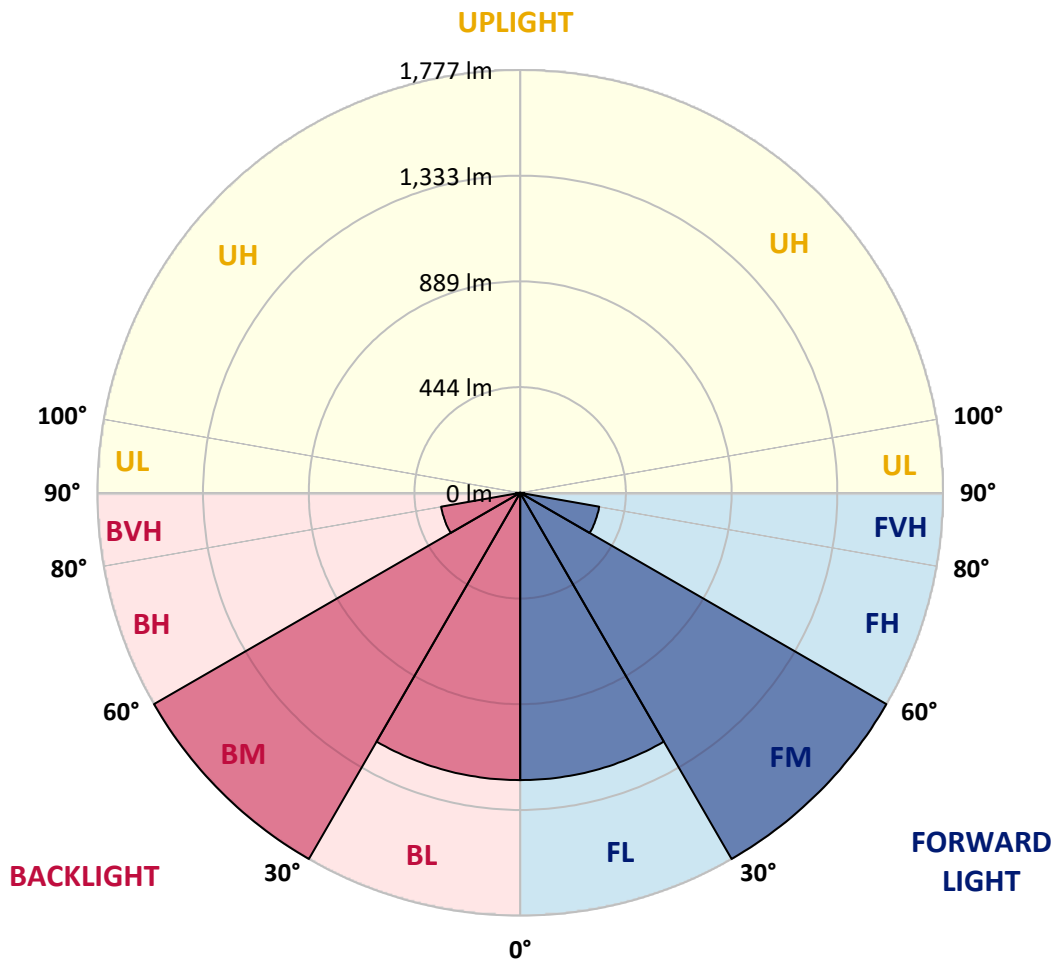
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1207.6	18.1			
FM	(30°-60°)	1777.3	26.6			
FH	(60°-80°)	337.2	5.0			G0/660
FVH	(80°-90°)	17.5	0.3			G1/100
BL	(0°-30°)	1207.6	18.1	B3/2500		
BM	(30°-60°)	1777.3	26.6	B2/2500		
BH	(60°-80°)	337.2	5.0	B1/500		G0/660
BVH	(80°-90°)	17.5	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°	2937.4	2937.4	2937.4	2937.4	2937.4	2937.4	2937.4	2937.4	2937.4	2937.4	2937.4
2.5°	2953.1	2956.3	2958.6	2957.1	2955.5	2956.3	2956.3	2954.7	2956.3	2956.3	2956.3
5°	2997.1	2999.4	3002.6	3001.8	3004.2	3005.7	3008.1	3008.1	3011.2	3015.1	3018.3
7.5°	3003.4	3004.2	3007.3	3009.6	3012.0	3015.9	3023.0	3028.5	3033.2	3041.8	3051.3
10°	3009.6	3010.4	3013.6	3019.9	3028.5	3037.1	3046.5	3055.2	3063.0	3072.4	3082.7
12.5°	2987.7	2989.2	2991.6	3004.9	3018.3	3035.6	3051.3	3069.3	3082.7	3098.4	3110.9
15°	2912.3	2917.0	2928.0	2943.7	2961.8	2979.8	3001.8	3024.6	3041.8	3059.9	3077.9
17.5°	2855.8	2860.5	2873.8	2892.7	2910.0	2935.1	2954.7	2971.2	2986.9	3003.4	3019.1
20°	2794.6	2799.3	2811.8	2835.4	2858.9	2885.6	2908.4	2923.3	2939.8	2957.1	2972.8
22.5°	2699.6	2706.6	2722.3	2744.3	2771.8	2800.1	2825.2	2844.0	2865.2	2888.0	2907.6
25°	2579.5	2587.3	2603.0	2629.7	2655.6	2680.0	2705.1	2728.6	2753.7	2779.6	2804.8
27.5°	2461.7	2473.5	2488.4	2512.7	2537.1	2558.3	2580.3	2605.4	2631.3	2654.8	2669.0
30°	2340.8	2347.9	2366.7	2391.1	2413.8	2437.4	2462.5	2485.3	2502.5	2518.2	2523.7
32.5°	2213.7	2219.2	2234.9	2257.6	2280.4	2305.5	2330.6	2349.5	2362.0	2368.3	2372.2
35°	2081.0	2088.1	2099.1	2115.5	2141.4	2166.6	2187.0	2205.0	2214.5	2219.2	2227.8
37.5°	1942.8	1949.1	1957.8	1975.8	2000.2	2022.9	2044.1	2053.5	2059.0	2070.0	2084.9
40°	1800.8	1805.5	1815.7	1829.8	1851.8	1871.4	1887.1	1897.3	1912.2	1924.8	1939.7
42.5°	1667.3	1668.1	1672.0	1684.6	1705.0	1718.3	1730.9	1741.9	1756.8	1770.9	1782.7
45°	1519.0	1526.8	1529.9	1537.8	1550.4	1562.9	1574.7	1589.6	1603.7	1616.3	1626.5
47.5°	1383.2	1387.1	1387.9	1398.9	1406.7	1415.3	1429.5	1442.0	1455.4	1468.7	1471.9
50°	1252.8	1248.9	1252.1	1259.1	1265.4	1271.7	1289.0	1298.4	1310.1	1318.0	1325.8
52.5°	1115.5	1111.5	1110.8	1121.7	1127.2	1135.9	1145.3	1157.1	1169.6	1177.5	1186.1
55°	967.9	967.1	967.1	974.2	980.5	989.9	1001.6	1011.1	1023.6	1033.0	1043.3
57.5°	821.9	821.9	824.2	825.0	833.7	841.5	847.8	861.9	875.3	887.8	898.8
60°	679.8	681.4	676.7	683.7	689.2	695.5	703.4	715.1	727.7	740.2	755.2
62.5°	541.6	544.8	545.6	544.0	554.2	558.9	567.5	576.2	588.0	602.1	613.9
65°	420.8	423.1	427.8	423.9	431.7	438.0	447.4	457.6	468.6	481.2	491.4
67.5°	328.1	330.5	332.1	331.3	339.1	341.5	348.5	357.2	366.6	376.8	387.8
70°	255.9	258.3	258.3	259.0	263.8	265.3	270.8	277.1	283.4	292.0	299.9
72.5°	197.8	200.2	201.0	203.3	204.9	205.7	208.8	213.5	217.4	222.2	227.6
75°	149.9	151.5	152.3	152.3	154.6	156.2	158.6	161.7	163.3	167.2	170.3
77.5°	109.9	111.5	112.3	113.0	113.8	113.8	115.4	117.7	119.3	121.7	123.2
80°	76.9	76.9	77.7	78.5	79.3	79.3	81.6	81.6	82.4	84.0	84.8
82.5°	48.7	48.7	49.5	49.5	50.2	50.2	51.8	51.0	51.8	52.6	52.6
85°	25.9	25.9	26.7	26.7	27.5	26.7	27.5	26.7	26.7	26.7	26.7
87.5°	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2
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°	2937.4	2937.4	2937.4	2937.4	2937.4	2937.4	2937.4	2937.4	2937.4	2937.4	2937.4
2.5°	2957.1	2956.3	2958.6	2959.4	2959.4	2959.4	2964.1	2964.9	2966.5	2967.3	2968.8
5°	3021.4	3024.6	3027.7	3032.4	3033.2	3035.6	3041.0	3041.8	3044.2	3045.8	3045.8
7.5°	3057.5	3067.0	3072.4	3081.9	3086.6	3092.1	3099.9	3103.8	3106.2	3107.8	3106.2
10°	3090.5	3100.7	3106.2	3110.9	3114.8	3118.0	3118.8	3118.8	3117.2	3117.2	3114.1
12.5°	3118.0	3125.0	3128.2	3129.8	3133.7	3137.6	3138.4	3140.7	3140.7	3139.2	3136.0
15°	3092.1	3106.2	3117.2	3131.3	3145.5	3155.7	3161.9	3161.9	3158.0	3149.4	3137.6
17.5°	3037.1	3057.5	3071.7	3088.9	3107.0	3115.6	3118.8	3118.8	3112.5	3102.3	3083.4
20°	2989.2	3007.3	3017.5	3024.6	3029.3	3026.9	3020.6	3016.7	3015.1	3015.1	3012.0
22.5°	2929.6	2942.9	2949.2	2948.4	2945.3	2939.0	2939.0	2945.3	2951.6	2955.5	2960.2
25°	2825.2	2838.5	2843.2	2851.1	2862.1	2877.8	2892.7	2906.0	2914.7	2911.5	2905.2
27.5°	2680.0	2691.7	2705.9	2738.0	2773.4	2807.9	2833.0	2850.3	2852.6	2835.4	2807.9
30°	2530.0	2547.3	2570.1	2609.3	2649.3	2675.2	2698.0	2697.2	2694.1	2676.8	2649.3
32.5°	2385.6	2409.9	2438.2	2467.2	2486.8	2495.5	2496.3	2477.4	2473.5	2465.7	2452.3
35°	2247.4	2268.6	2288.2	2296.1	2299.2	2290.6	2282.0	2278.8	2268.6	2267.8	2263.1
37.5°	2103.0	2112.4	2116.3	2114.8	2111.6	2102.2	2105.3	2105.3	2096.7	2094.4	2095.1
40°	1950.7	1949.9	1944.4	1939.7	1935.8	1939.7	1943.6	1936.6	1939.7	1938.1	1937.4
42.5°	1786.6	1783.5	1779.6	1778.8	1780.4	1781.1	1789.0	1795.3	1789.0	1791.3	1791.3
45°	1628.1	1626.5	1628.9	1632.8	1637.5	1637.5	1644.6	1647.7	1647.7	1651.6	1650.0
47.5°	1478.1	1484.4	1488.3	1495.4	1500.9	1503.3	1515.0	1520.5	1519.7	1519.0	1515.0
50°	1337.6	1345.5	1349.4	1359.6	1365.1	1370.6	1380.0	1384.7	1380.8	1380.0	1377.7
52.5°	1197.1	1205.0	1217.5	1224.6	1230.9	1237.1	1246.6	1253.6	1250.5	1250.5	1245.0
55°	1057.4	1069.9	1080.1	1088.0	1093.5	1102.9	1107.6	1113.9	1117.0	1116.3	1112.3
57.5°	914.5	926.3	937.3	949.1	959.3	972.6	978.1	980.5	981.2	983.6	976.5
60°	769.3	783.4	796.8	808.5	817.2	832.1	836.0	847.8	846.2	841.5	831.3
62.5°	628.0	640.6	653.9	668.0	683.7	691.6	701.0	708.1	707.3	701.8	692.4
65°	505.5	515.7	528.3	539.3	553.4	562.8	572.3	574.6	572.3	566.8	555.0
67.5°	398.8	410.5	420.0	430.2	443.5	449.8	455.3	454.5	454.5	448.2	438.0
70°	309.3	317.9	327.3	334.4	345.4	348.5	353.2	353.2	350.9	346.2	339.1
72.5°	234.7	240.2	249.6	254.3	260.6	264.5	266.1	266.9	263.8	259.0	253.6
75°	174.3	178.2	183.7	186.0	189.2	192.3	193.1	193.9	190.8	188.4	183.7
77.5°	125.6	128.7	131.9	131.1	133.4	135.0	135.0	134.2	133.4	131.9	128.7
80°	86.3	85.6	87.9	87.1	89.5	90.3	90.3	90.3	89.5	87.9	85.6
82.5°	52.6	52.6	54.2	54.9	55.7	56.5	56.5	56.5	55.7	54.9	53.4
85°	27.5	28.3	29.0	29.8	29.8	30.6	30.6	30.6	30.6	29.8	29.0
87.5°	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
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°	2937.4	2937.4	2937.4	2937.4	2937.4	2937.4	2937.4	2937.4	2937.4	2937.4	2937.4
2.5°	2968.8	2965.7	2964.1	2964.1	2962.5	2961.8	2963.3	2962.5	2964.1	2964.1	2963.3
5°	3046.5	3042.6	3039.5	3039.5	3035.6	3035.6	3035.6	3033.2	3031.6	3033.2	3031.6
7.5°	3102.3	3099.9	3094.4	3089.7	3083.4	3080.3	3075.6	3070.9	3065.4	3061.5	3058.3
10°	3114.8	3113.3	3110.9	3107.8	3103.1	3096.8	3092.1	3085.0	3077.2	3070.1	3066.2
12.5°	3132.9	3129.8	3124.3	3116.4	3109.3	3099.9	3088.1	3074.0	3062.2	3052.0	3043.4
15°	3122.7	3107.8	3088.9	3069.3	3049.7	3034.8	3021.4	3007.3	2991.6	2976.7	2961.8
17.5°	3065.4	3047.3	3026.1	3005.7	2987.7	2970.4	2957.8	2946.1	2932.7	2917.0	2902.1
20°	3009.6	3001.0	2983.7	2968.0	2956.3	2937.4	2919.4	2907.6	2897.4	2887.2	2869.9
22.5°	2963.3	2962.5	2951.6	2935.1	2916.2	2894.3	2869.9	2846.4	2826.7	2809.5	2790.6
25°	2899.7	2884.8	2862.1	2839.3	2818.1	2790.6	2760.8	2730.2	2704.3	2682.3	2660.3
27.5°	2776.5	2740.4	2713.7	2690.2	2665.8	2642.3	2617.2	2592.8	2568.5	2547.3	2527.7
30°	2611.7	2573.2	2547.3	2526.9	2511.2	2497.8	2483.7	2464.1	2443.7	2424.0	2405.2
32.5°	2435.0	2413.8	2390.3	2374.6	2361.2	2353.4	2347.1	2336.1	2318.1	2297.7	2276.5
35°	2261.6	2257.6	2249.8	2239.6	2227.8	2216.8	2209.7	2198.8	2183.1	2159.5	2138.3
37.5°	2098.3	2099.8	2101.4	2094.4	2085.7	2073.9	2063.7	2051.2	2033.9	2011.1	1990.7
40°	1938.1	1943.6	1949.1	1951.5	1946.0	1933.4	1919.3	1903.6	1884.8	1865.1	1845.5
42.5°	1789.0	1792.1	1794.5	1797.6	1797.6	1783.5	1770.2	1751.3	1736.4	1723.1	1706.6
45°	1647.7	1644.6	1647.7	1648.5	1645.3	1637.5	1622.6	1607.7	1595.9	1584.1	1571.5
47.5°	1511.1	1509.5	1508.0	1506.4	1500.9	1488.3	1481.3	1470.3	1460.1	1451.4	1444.4
50°	1377.7	1376.9	1371.4	1368.2	1360.4	1353.3	1343.1	1333.7	1324.3	1315.6	1307.8
52.5°	1245.8	1242.6	1237.9	1228.5	1220.7	1216.7	1206.5	1197.1	1185.3	1175.9	1169.6
55°	1107.6	1106.0	1098.2	1091.1	1081.7	1067.6	1055.8	1048.7	1038.5	1024.4	1015.8
57.5°	966.3	960.0	952.2	943.6	931.0	915.3	903.5	888.6	880.8	871.3	864.3
60°	825.8	814.8	802.3	790.5	777.1	762.2	749.7	737.1	725.3	720.6	712.8
62.5°	679.0	668.8	655.5	640.6	628.0	612.3	602.1	589.5	579.3	570.7	562.8
65°	543.2	531.4	518.9	503.2	488.3	472.6	462.4	448.2	436.5	424.7	417.6
67.5°	424.7	412.1	399.6	383.1	370.5	357.2	347.8	335.2	325.0	317.1	312.4
70°	324.2	313.2	301.4	288.9	279.5	269.3	262.2	254.3	248.8	243.3	240.2
72.5°	243.3	236.3	225.3	216.7	209.6	203.3	199.4	194.7	191.5	187.6	185.3
75°	175.8	171.9	167.2	162.5	157.8	153.1	149.9	147.6	144.4	142.1	142.1
77.5°	126.4	124.0	120.9	117.0	114.6	112.3	109.1	108.3	106.8	105.2	104.4
80°	84.8	83.2	81.6	80.1	78.5	76.9	75.4	74.6	73.0	73.8	72.2
82.5°	52.6	51.0	50.2	49.5	48.7	48.7	47.9	47.1	46.3	47.1	46.3
85°	28.3	27.5	26.7	25.9	25.1	25.1	25.1	25.1	25.1	25.9	25.1
87.5°	11.0	11.0	11.0	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2
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°	2937.4	2937.4	2937.4	2937.4
2.5°	2964.9	2964.1	2963.3	2965.7
5°	3030.8	3028.5	3027.7	3028.5
7.5°	3054.4	3048.9	3046.5	3045.8
10°	3059.1	3053.6	3050.5	3051.3
12.5°	3030.1	3018.3	3012.0	3011.2
15°	2946.1	2935.9	2924.9	2920.9
17.5°	2888.8	2874.6	2866.8	2862.9
20°	2853.4	2838.5	2829.9	2827.5
22.5°	2773.4	2754.5	2739.6	2733.3
25°	2641.5	2618.7	2606.9	2603.0
27.5°	2509.6	2492.3	2477.4	2475.1
30°	2387.9	2369.9	2354.2	2346.3
32.5°	2256.8	2236.4	2220.7	2222.3
35°	2114.0	2095.1	2083.4	2087.3
37.5°	1970.3	1953.1	1942.8	1947.6
40°	1829.0	1816.5	1810.2	1807.0
42.5°	1694.0	1686.9	1682.2	1683.8
45°	1561.3	1555.1	1551.9	1556.6
47.5°	1437.3	1426.3	1424.0	1427.9
50°	1302.3	1295.2	1295.2	1295.2
52.5°	1162.6	1160.2	1161.8	1160.2
55°	1008.7	1004.0	1003.2	1007.9
57.5°	857.2	857.2	855.6	855.6
60°	705.7	704.9	707.3	705.7
62.5°	552.6	548.7	548.7	547.9
65°	409.0	403.5	404.3	402.7
67.5°	306.9	303.0	301.4	300.7
70°	238.6	233.1	233.1	233.1
72.5°	184.5	182.1	180.5	180.5
75°	139.7	138.9	138.2	136.6
77.5°	102.8	102.0	101.3	100.5
80°	71.4	71.4	70.6	70.6
82.5°	45.5	45.5	44.7	44.7
85°	25.1	24.3	24.3	24.3
87.5°	10.2	10.2	10.2	10.2
90°	0.0	0.0	0.0	0.0

(END OF REPORT)