

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: PORTFOLIO

Report Number: P248632

Luminaire Tested: **LSR8B60D010 EC8B60927 8LBSW0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P248632  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13958)  
Test Lab: INNOVATION CENTER-P1  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LSR8B60D010 EC8B60927 8LBSW0H  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT- CYLINDEC  
97 CRI 2700 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4885.8 lumens  
Efficiency: N/A  
Efficacy: 82.1 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.23 / 1.15  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

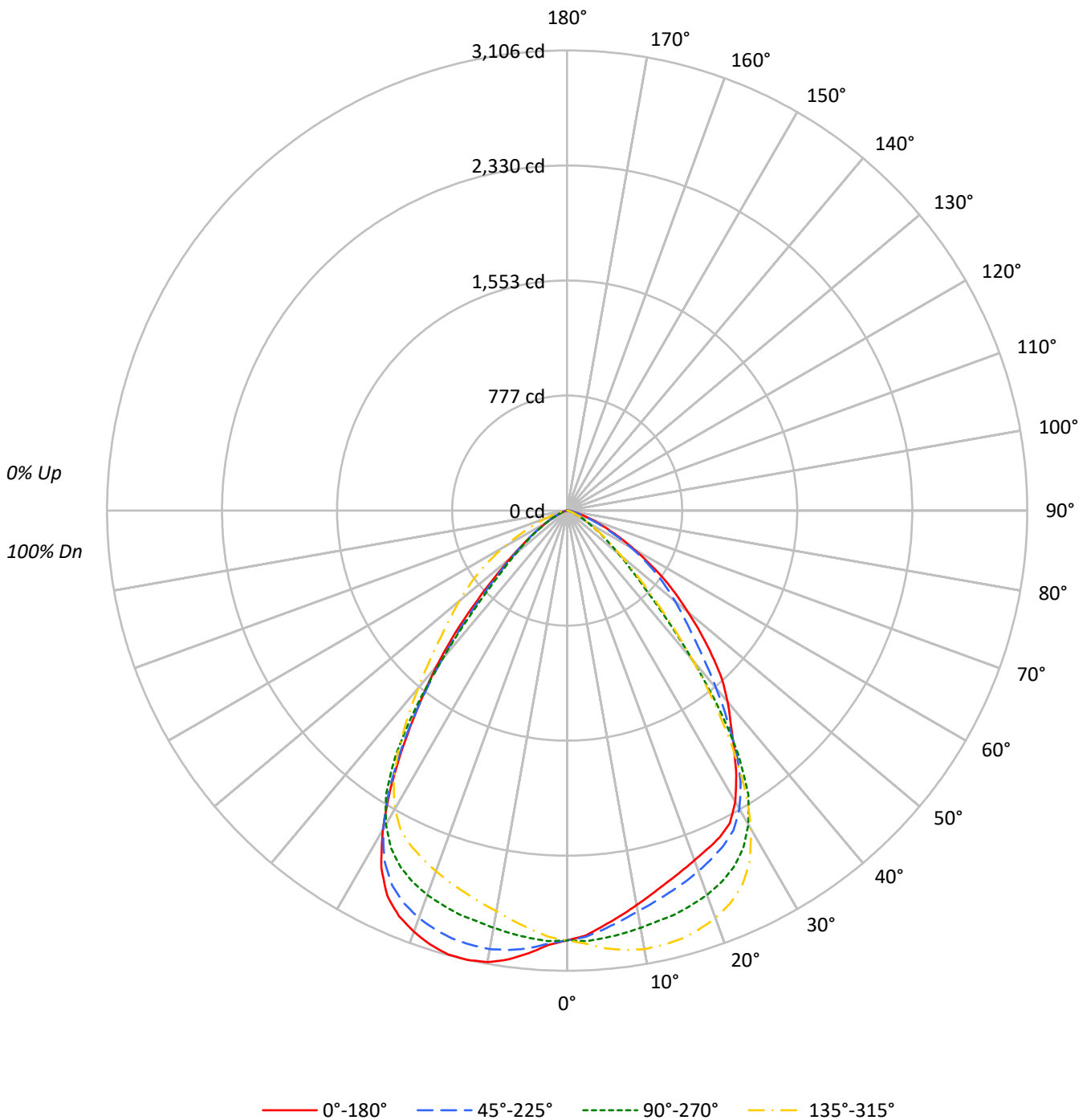
Input Watts (W): 59.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	90
2	105	99	94	89	102	97	92	88	93	90	86	90	87	84	87	85	83	81
3	98	90	83	78	95	88	82	78	85	80	76	83	79	75	80	77	74	72
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	65
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58
6	80	69	61	56	78	68	61	56	66	60	55	65	59	55	63	58	55	53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	55	49	46	44
9	66	54	47	42	65	54	47	42	53	47	42	52	46	42	51	46	42	40
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	37

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	Luminaire represents a point source (luminous area is zero).			
5°	No luminance values can be calculated.			
10°				
15°				
20°				
25°				
30°				
35°				
40°				
45°				
50°				
55°				
60°				
65°				
70°				
75°				
80°				
85°				



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	276.1	5.7
10°-20°	799.5	16.4
20°-30°	1210.6	24.8
30°-40°	1213.3	24.8
40°-50°	761.9	15.6
50°-60°	406.0	8.3
60°-70°	167.0	3.4
70°-80°	44.1	0.9
80°-90°	7.4	0.2
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°-30°	2286.1	46.8
0°-40°	3499.4	71.6
0°-60°	4667.3	95.5
0°-90°	4885.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4885.8	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2901	2901	2901	2901	2901	
5°	2813	2896	3000	2896	2813	265
15°	2599	2821	3102	2821	2599	735
25°	2435	2657	2871	2657	2435	1117
35°	1963	2018	1915	2018	1963	1230
45°	1382	739	855	739	1382	1063
55°	786	273	289	273	786	701
65°	313	84	76	84	313	325
75°	88	17	14	17	88	99
85°	18	0	1	0	18	20
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	2900.6	2900.6	2900.6	2900.6	2900.6	2900.6	2900.6	2900.6	2900.6	2900.6	2900.6
2.5°	2870.9	2868.0	2866.6	2869.4	2870.9	2876.5	2875.2	2877.9	2877.9	2879.3	2882.1
5°	2812.8	2811.4	2812.8	2812.8	2818.5	2824.1	2822.7	2827.0	2829.7	2836.9	2839.7
7.5°	2759.0	2759.0	2757.5	2763.2	2766.0	2774.6	2773.1	2780.2	2784.5	2791.5	2801.5
10°	2703.7	2703.7	2705.2	2709.3	2710.8	2723.5	2723.5	2733.4	2739.2	2746.2	2759.0
12.5°	2649.9	2649.9	2658.4	2655.6	2661.2	2671.1	2675.4	2685.3	2693.8	2708.0	2720.7
15°	2598.9	2598.9	2601.8	2608.8	2613.0	2625.9	2632.8	2644.3	2654.2	2668.4	2686.7
17.5°	2555.0	2553.6	2555.0	2563.5	2572.1	2583.3	2589.0	2603.1	2613.0	2631.5	2648.5
20°	2511.1	2513.9	2513.9	2521.0	2526.6	2540.8	2546.5	2562.1	2573.4	2590.4	2610.2
22.5°	2472.9	2471.5	2471.5	2481.4	2485.7	2498.4	2504.0	2518.2	2530.9	2545.1	2563.5
25°	2434.6	2431.8	2437.5	2438.9	2441.7	2455.9	2460.2	2470.0	2482.8	2495.6	2513.9
27.5°	2377.9	2375.2	2376.6	2382.2	2386.5	2397.8	2400.6	2410.5	2420.4	2431.8	2447.4
30°	2268.9	2266.1	2264.7	2274.6	2278.9	2287.4	2291.5	2308.6	2311.4	2324.1	2335.5
32.5°	2124.5	2123.0	2125.9	2134.4	2138.6	2150.0	2155.6	2165.5	2172.6	2179.7	2191.0
35°	1963.0	1960.2	1963.0	1971.6	1971.6	1981.5	1985.7	1989.9	1988.4	1989.9	1987.1
37.5°	1812.9	1811.5	1812.9	1817.1	1812.9	1817.1	1812.9	1804.4	1788.9	1771.8	1754.8
40°	1685.4	1686.8	1678.4	1684.0	1668.4	1665.6	1650.0	1628.8	1597.6	1563.6	1515.5
42.5°	1549.5	1545.2	1539.6	1542.4	1529.7	1519.6	1494.2	1467.3	1427.6	1371.0	1312.9
45°	1382.3	1380.9	1378.0	1376.7	1368.1	1358.2	1337.0	1305.8	1261.9	1203.9	1134.4
47.5°	1219.4	1215.2	1215.2	1216.6	1206.7	1205.3	1188.2	1161.3	1123.1	1066.5	994.3
50°	1063.6	1062.2	1065.0	1070.8	1063.6	1060.8	1049.5	1031.1	997.1	948.9	880.9
52.5°	923.4	922.0	924.9	932.0	929.0	932.0	920.6	906.4	883.8	837.0	777.6
55°	786.0	786.0	786.0	794.5	794.5	794.5	788.8	780.4	759.2	725.2	669.9
57.5°	643.1	644.4	652.9	654.3	652.9	655.8	654.3	645.8	631.7	607.6	565.1
60°	522.7	522.7	526.8	531.1	529.6	531.1	531.1	526.8	512.7	492.9	458.9
62.5°	413.6	417.8	414.9	417.8	423.4	417.8	414.9	412.2	402.3	389.5	361.1
65°	313.0	315.9	315.9	317.2	314.4	315.9	310.2	305.9	300.3	286.1	267.8
67.5°	237.9	237.9	237.9	237.9	236.5	235.1	233.7	229.5	219.6	213.9	194.1
70°	182.7	174.2	174.2	174.2	174.2	175.6	171.3	165.7	162.9	153.0	138.8
72.5°	121.7	124.6	121.7	121.7	119.0	120.4	114.8	111.8	109.1	103.4	95.0
75°	87.8	80.8	83.6	85.0	80.8	83.6	77.9	72.2	72.2	68.0	63.7
77.5°	56.7	55.2	56.7	58.0	56.7	55.2	52.4	49.5	49.5	48.2	43.9
80°	41.1	39.6	39.6	39.6	38.2	39.6	36.8	36.8	34.0	32.6	29.7
82.5°	26.9	26.9	25.4	26.9	25.4	26.9	22.7	22.7	22.7	21.3	18.4
85°	18.4	15.5	15.5	17.0	14.2	17.0	15.5	14.2	12.7	12.7	11.4
87.5°	8.5	9.9	8.5	9.9	8.5	8.5	9.9	8.5	8.5	5.6	5.6
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°	95°	100°	105°
0°	2900.6	2900.6	2900.6	2900.6	2900.6	2900.6	2900.6	2900.6	2900.6	2900.6	2900.6
2.5°	2886.4	2887.9	2887.9	2893.5	2896.3	2897.8	2897.8	2909.1	2904.9	2907.7	2910.5
5°	2845.4	2853.8	2856.7	2856.7	2872.2	2877.9	2883.6	2896.3	2897.8	2906.2	2916.1
7.5°	2805.6	2815.5	2821.3	2834.0	2843.9	2853.8	2870.9	2879.3	2887.9	2899.2	2912.0
10°	2767.4	2778.9	2790.1	2800.0	2815.5	2828.4	2839.7	2859.5	2869.4	2885.1	2901.9
12.5°	2730.6	2746.2	2756.1	2773.1	2790.1	2801.5	2818.5	2836.9	2852.4	2868.0	2887.9
15°	2698.1	2716.5	2727.8	2746.2	2764.7	2780.2	2798.7	2821.3	2832.6	2851.1	2869.4
17.5°	2662.6	2682.5	2696.6	2713.6	2736.3	2753.3	2768.8	2791.5	2805.6	2825.5	2846.8
20°	2625.9	2645.7	2662.6	2679.6	2702.4	2719.2	2737.7	2760.4	2775.9	2795.7	2812.8
22.5°	2582.0	2600.3	2618.8	2638.6	2661.2	2675.4	2696.6	2716.5	2733.4	2751.9	2768.8
25°	2525.3	2547.9	2562.1	2580.5	2598.9	2614.5	2637.1	2657.0	2671.1	2688.2	2703.7
27.5°	2458.7	2475.7	2487.0	2502.6	2521.0	2535.2	2552.2	2572.1	2586.2	2601.8	2613.0
30°	2345.4	2361.0	2370.9	2382.2	2400.6	2413.5	2427.5	2446.0	2455.9	2467.2	2477.1
32.5°	2196.7	2209.4	2215.1	2223.6	2236.4	2249.1	2260.5	2276.0	2280.3	2287.4	2287.4
35°	1981.5	1984.3	1982.8	1985.7	1991.4	1998.4	2008.4	2018.2	2023.9	2023.9	2019.7
37.5°	1729.4	1712.4	1693.9	1679.7	1675.5	1672.6	1678.4	1682.6	1688.3	1691.1	1684.0
40°	1467.3	1429.1	1388.0	1351.1	1325.7	1314.3	1310.1	1312.9	1312.9	1322.8	1322.8
42.5°	1242.1	1182.6	1121.7	1066.5	1029.6	1001.4	988.5	988.5	990.0	997.1	1001.4
45°	1055.1	980.1	909.2	848.4	797.4	760.5	743.6	739.4	737.9	740.7	750.6
47.5°	912.2	834.2	760.5	685.5	631.7	594.9	579.3	573.5	567.9	573.5	575.0
50°	800.2	719.4	641.6	566.6	509.8	477.2	457.4	449.0	447.5	447.5	450.4
52.5°	698.2	623.1	545.3	468.8	409.3	378.1	359.8	355.5	349.9	355.5	355.5
55°	601.9	526.8	450.4	378.1	328.6	296.0	279.0	273.4	270.4	274.7	274.7
57.5°	497.1	433.4	362.6	297.4	247.8	225.2	212.4	205.4	204.0	206.8	204.0
60°	407.9	354.0	293.2	233.7	195.4	171.3	161.4	158.6	155.8	158.6	158.6
62.5°	322.9	277.7	228.0	182.7	150.1	133.2	121.7	121.7	120.4	120.4	121.7
65°	239.4	204.0	168.5	130.3	104.8	92.0	83.6	83.6	82.1	83.6	82.1
67.5°	174.2	150.1	121.7	95.0	75.0	68.0	62.3	58.0	61.0	58.0	56.7
70°	127.5	107.7	87.8	72.2	58.0	51.0	46.8	45.3	42.5	42.5	42.5
72.5°	85.0	72.2	59.5	46.8	38.2	31.2	29.7	26.9	24.1	25.4	28.4
75°	56.7	48.2	42.5	34.0	25.4	25.4	17.0	17.0	14.2	17.0	12.7
77.5°	39.6	32.6	25.4	21.3	17.0	15.5	11.4	11.4	9.9	9.9	9.9
80°	28.4	24.1	18.4	15.5	11.4	11.4	9.9	8.5	7.1	7.1	8.5
82.5°	17.0	12.7	12.7	11.4	7.1	5.6	4.3	5.6	2.8	2.8	2.8
85°	9.9	8.5	7.1	4.3	2.8	2.8	1.3	0.0	1.3	1.3	0.0
87.5°	5.6	2.8	2.8	1.3	0.0	1.3	1.3	0.0	0.0	0.0	2.8
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):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	2900.6	2900.6	2900.6	2900.6	2900.6	2900.6	2900.6	2900.6	2900.6	2900.6	2900.6
2.5°	2917.6	2916.1	2919.0	2919.0	2927.5	2926.0	2930.3	2930.3	2927.5	2928.9	2934.6
5°	2927.5	2931.8	2940.2	2947.4	2960.1	2965.7	2972.8	2979.9	2981.4	2985.6	2989.8
7.5°	2927.5	2941.6	2951.5	2964.3	2981.4	2991.3	3006.8	3019.6	3025.2	3032.3	3040.8
10°	2921.8	2936.0	2954.4	2968.5	2989.8	3005.4	3021.0	3040.8	3049.3	3060.6	3071.9
12.5°	2910.5	2926.0	2945.9	2964.3	2988.3	3002.5	3022.4	3040.8	3053.6	3069.1	3081.9
15°	2893.5	2912.0	2930.3	2948.7	2974.2	2991.3	3009.7	3030.9	3043.7	3060.6	3071.9
17.5°	2866.6	2886.4	2903.4	2920.4	2944.5	2964.3	2981.4	3001.2	3013.9	3028.0	3043.7
20°	2834.0	2852.4	2870.9	2885.1	2909.1	2926.0	2944.5	2962.9	2972.8	2975.6	2999.7
22.5°	2792.9	2805.6	2819.8	2842.5	2856.7	2872.2	2889.2	2906.2	2916.1	2931.8	2940.2
25°	2725.0	2737.7	2753.3	2763.2	2780.2	2792.9	2809.9	2828.4	2834.0	2845.4	2853.8
27.5°	2630.1	2637.1	2644.3	2652.8	2662.6	2669.7	2679.6	2688.2	2693.8	2699.4	2705.2
30°	2480.0	2480.0	2480.0	2474.2	2478.5	2482.8	2484.2	2482.8	2482.8	2481.4	2481.4
32.5°	2281.6	2270.4	2257.5	2246.3	2242.0	2236.4	2233.5	2229.3	2222.2	2217.9	2219.3
35°	2014.0	1988.4	1972.9	1958.7	1947.5	1938.9	1934.7	1930.4	1929.0	1923.4	1917.7
37.5°	1679.7	1661.3	1650.0	1641.5	1631.6	1623.0	1624.5	1626.0	1630.1	1627.3	1628.8
40°	1325.7	1321.4	1325.7	1315.8	1312.9	1315.8	1322.8	1332.8	1338.4	1344.0	1353.9
42.5°	1008.4	1015.4	1025.4	1025.4	1029.6	1035.3	1043.8	1059.4	1067.9	1077.8	1089.1
45°	759.2	767.7	780.4	784.6	787.5	794.5	804.5	817.2	822.8	831.4	841.3
47.5°	585.0	590.6	597.6	604.8	611.8	614.7	624.6	624.6	631.7	637.3	640.1
50°	456.1	461.7	467.3	471.6	474.5	478.7	481.5	485.8	487.2	490.0	491.4
52.5°	356.8	364.0	364.0	366.8	371.0	375.3	374.0	375.3	376.8	376.8	380.9
55°	279.0	279.0	283.3	283.3	286.1	284.6	286.1	286.1	286.1	286.1	287.6
57.5°	208.1	209.6	213.9	211.0	209.6	212.4	209.6	212.4	211.0	213.9	209.6
60°	160.0	160.0	161.4	161.4	162.9	162.9	162.9	161.4	161.4	160.0	160.0
62.5°	120.4	121.7	123.2	121.7	121.7	121.7	120.4	120.4	119.0	117.6	117.6
65°	80.8	79.3	82.1	79.3	80.8	80.8	79.3	80.8	76.5	77.9	76.5
67.5°	58.0	56.7	55.2	56.7	55.2	53.8	53.8	55.2	56.7	52.4	52.4
70°	38.2	39.6	38.2	39.6	41.1	41.1	39.6	38.2	39.6	36.8	38.2
72.5°	24.1	24.1	24.1	24.1	24.1	25.4	25.4	25.4	22.7	22.7	21.3
75°	11.4	15.5	12.7	11.4	15.5	15.5	14.2	14.2	12.7	12.7	12.7
77.5°	11.4	8.5	8.5	8.5	8.5	8.5	8.5	8.5	7.1	8.5	7.1
80°	5.6	5.6	5.6	4.3	5.6	5.6	7.1	5.6	5.6	4.3	7.1
82.5°	2.8	2.8	2.8	0.0	1.3	2.8	2.8	1.3	2.8	2.8	1.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





TEST NUMBER: P248632

CATALOG NUMBER: LSR8B60D010 EC8B60927 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	2900.6	2900.6	2900.6	2900.6	2900.6	2900.6	2900.6	2900.6	2900.6	2900.6	2900.6
2.5°	2933.2	2931.8	2933.2	2934.6	2933.2	2931.8	2933.2	2934.6	2928.9	2927.5	2930.3
5°	2995.5	2995.5	2998.4	2999.7	2998.4	2995.5	2995.5	2989.8	2985.6	2981.4	2979.9
7.5°	3049.3	3052.1	3054.9	3056.4	3054.9	3052.1	3049.3	3040.8	3032.3	3025.2	3019.6
10°	3081.9	3086.1	3091.8	3094.6	3091.8	3086.1	3081.9	3071.9	3060.6	3049.3	3040.8
12.5°	3096.1	3100.3	3107.4	3106.0	3107.4	3100.3	3096.1	3081.9	3069.1	3053.6	3040.8
15°	3086.1	3091.8	3098.8	3101.7	3098.8	3091.8	3086.1	3071.9	3060.6	3043.7	3030.9
17.5°	3054.9	3063.5	3067.8	3071.9	3067.8	3063.5	3054.9	3043.7	3028.0	3013.9	3001.2
20°	3012.4	3018.2	3023.8	3025.2	3023.8	3018.2	3012.4	2999.7	2975.6	2972.8	2962.9
22.5°	2951.5	2955.8	2968.5	2964.3	2968.5	2955.8	2951.5	2940.2	2931.8	2916.1	2906.2
25°	2863.8	2868.0	2869.4	2870.9	2869.4	2868.0	2863.8	2853.8	2845.4	2834.0	2828.4
27.5°	2712.3	2712.3	2715.1	2716.5	2715.1	2712.3	2712.3	2705.2	2699.4	2693.8	2688.2
30°	2482.8	2482.8	2482.8	2489.8	2482.8	2482.8	2482.8	2481.4	2481.4	2482.8	2482.8
32.5°	2217.9	2215.1	2212.3	2215.1	2212.3	2215.1	2217.9	2219.3	2217.9	2222.2	2229.3
35°	1917.7	1916.2	1920.5	1914.9	1920.5	1916.2	1917.7	1917.7	1923.4	1929.0	1930.4
37.5°	1630.1	1627.3	1633.0	1627.3	1633.0	1627.3	1630.1	1628.8	1627.3	1630.1	1626.0
40°	1356.9	1359.7	1359.7	1371.0	1359.7	1359.7	1356.9	1353.9	1344.0	1338.4	1332.8
42.5°	1094.9	1103.3	1100.5	1109.0	1100.5	1103.3	1094.9	1089.1	1077.8	1067.9	1059.4
45°	846.9	852.6	852.6	855.4	852.6	852.6	846.9	841.3	831.4	822.8	817.2
47.5°	650.0	650.0	650.0	651.5	650.0	650.0	650.0	640.1	637.3	631.7	624.6
50°	494.3	495.7	497.1	498.6	497.1	495.7	494.3	491.4	490.0	487.2	485.8
52.5°	379.6	380.9	378.1	380.9	378.1	380.9	379.6	380.9	376.8	376.8	375.3
55°	287.6	286.1	287.6	288.9	287.6	286.1	287.6	287.6	286.1	286.1	286.1
57.5°	211.0	208.1	208.1	208.1	208.1	208.1	211.0	209.6	213.9	211.0	212.4
60°	157.3	158.6	158.6	160.0	158.6	158.6	157.3	160.0	160.0	161.4	161.4
62.5°	116.1	120.4	117.6	120.4	117.6	120.4	116.1	117.6	117.6	119.0	120.4
65°	75.0	75.0	75.0	76.5	75.0	75.0	75.0	76.5	77.9	76.5	80.8
67.5°	51.0	52.4	55.2	53.8	55.2	52.4	51.0	52.4	52.4	56.7	55.2
70°	41.1	36.8	36.8	41.1	36.8	36.8	41.1	38.2	36.8	39.6	38.2
72.5°	24.1	21.3	24.1	24.1	24.1	21.3	24.1	21.3	22.7	22.7	25.4
75°	12.7	11.4	9.9	14.2	9.9	11.4	12.7	12.7	12.7	12.7	14.2
77.5°	8.5	7.1	9.9	9.9	9.9	7.1	8.5	7.1	8.5	7.1	8.5
80°	4.3	5.6	4.3	7.1	4.3	5.6	4.3	7.1	4.3	5.6	5.6
82.5°	1.3	2.8	2.8	2.8	2.8	2.8	1.3	1.3	2.8	2.8	1.3
85°	0.0	2.8	1.3	1.3	1.3	2.8	0.0	0.0	0.0	0.0	0.0
87.5°	1.3	0.0	0.0	1.3	0.0	0.0	1.3	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P248632

CATALOG NUMBER: LSR8B60D010 EC8B60927 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	2900.6	2900.6	2900.6	2900.6	2900.6	2900.6	2900.6	2900.6	2900.6	2900.6	2900.6
2.5°	2930.3	2926.0	2927.5	2919.0	2919.0	2916.1	2917.6	2910.5	2907.7	2904.9	2909.1
5°	2972.8	2965.7	2960.1	2947.4	2940.2	2931.8	2927.5	2916.1	2906.2	2897.8	2896.3
7.5°	3006.8	2991.3	2981.4	2964.3	2951.5	2941.6	2927.5	2912.0	2899.2	2887.9	2879.3
10°	3021.0	3005.4	2989.8	2968.5	2954.4	2936.0	2921.8	2901.9	2885.1	2869.4	2859.5
12.5°	3022.4	3002.5	2988.3	2964.3	2945.9	2926.0	2910.5	2887.9	2868.0	2852.4	2836.9
15°	3009.7	2991.3	2974.2	2948.7	2930.3	2912.0	2893.5	2869.4	2851.1	2832.6	2821.3
17.5°	2981.4	2964.3	2944.5	2920.4	2903.4	2886.4	2866.6	2846.8	2825.5	2805.6	2791.5
20°	2944.5	2926.0	2909.1	2885.1	2870.9	2852.4	2834.0	2812.8	2795.7	2775.9	2760.4
22.5°	2889.2	2872.2	2856.7	2842.5	2819.8	2805.6	2792.9	2768.8	2751.9	2733.4	2716.5
25°	2809.9	2792.9	2780.2	2763.2	2753.3	2737.7	2725.0	2703.7	2688.2	2671.1	2657.0
27.5°	2679.6	2669.7	2662.6	2652.8	2644.3	2637.1	2630.1	2613.0	2601.8	2586.2	2572.1
30°	2484.2	2482.8	2478.5	2474.2	2480.0	2480.0	2480.0	2477.1	2467.2	2455.9	2446.0
32.5°	2233.5	2236.4	2242.0	2246.3	2257.5	2270.4	2281.6	2287.4	2287.4	2280.3	2276.0
35°	1934.7	1938.9	1947.5	1958.7	1972.9	1988.4	2014.0	2019.7	2023.9	2023.9	2018.2
37.5°	1624.5	1623.0	1631.6	1641.5	1650.0	1661.3	1679.7	1684.0	1691.1	1688.3	1682.6
40°	1322.8	1315.8	1312.9	1315.8	1325.7	1321.4	1325.7	1322.8	1322.8	1312.9	1312.9
42.5°	1043.8	1035.3	1029.6	1025.4	1025.4	1015.4	1008.4	1001.4	997.1	990.0	988.5
45°	804.5	794.5	787.5	784.6	780.4	767.7	759.2	750.6	740.7	737.9	739.4
47.5°	624.6	614.7	611.8	604.8	597.6	590.6	585.0	575.0	573.5	567.9	573.5
50°	481.5	478.7	474.5	471.6	467.3	461.7	456.1	450.4	447.5	447.5	449.0
52.5°	374.0	375.3	371.0	366.8	364.0	364.0	356.8	355.5	355.5	349.9	355.5
55°	286.1	284.6	286.1	283.3	283.3	279.0	279.0	274.7	274.7	270.4	273.4
57.5°	209.6	212.4	209.6	211.0	213.9	209.6	208.1	204.0	206.8	204.0	205.4
60°	162.9	162.9	162.9	161.4	161.4	160.0	160.0	158.6	158.6	155.8	158.6
62.5°	120.4	121.7	121.7	121.7	123.2	121.7	120.4	121.7	120.4	120.4	121.7
65°	79.3	80.8	80.8	79.3	82.1	79.3	80.8	82.1	83.6	82.1	83.6
67.5°	53.8	53.8	55.2	56.7	55.2	56.7	58.0	56.7	58.0	61.0	58.0
70°	39.6	41.1	41.1	39.6	38.2	39.6	38.2	42.5	42.5	42.5	45.3
72.5°	25.4	25.4	24.1	24.1	24.1	24.1	24.1	28.4	25.4	24.1	26.9
75°	14.2	15.5	15.5	11.4	12.7	15.5	11.4	12.7	17.0	14.2	17.0
77.5°	8.5	8.5	8.5	8.5	8.5	8.5	11.4	9.9	9.9	9.9	11.4
80°	7.1	5.6	5.6	4.3	5.6	5.6	5.6	8.5	7.1	7.1	8.5
82.5°	2.8	2.8	1.3	0.0	2.8	2.8	2.8	2.8	2.8	2.8	5.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P248632

CATALOG NUMBER: LSR8B60D010 EC8B60927 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	2900.6	2900.6	2900.6	2900.6	2900.6	2900.6	2900.6	2900.6	2900.6	2900.6	2900.6
2.5°	2897.8	2897.8	2896.3	2893.5	2887.9	2887.9	2886.4	2882.1	2879.3	2877.9	2877.9
5°	2883.6	2877.9	2872.2	2856.7	2856.7	2853.8	2845.4	2839.7	2836.9	2829.7	2827.0
7.5°	2870.9	2853.8	2843.9	2834.0	2821.3	2815.5	2805.6	2801.5	2791.5	2784.5	2780.2
10°	2839.7	2828.4	2815.5	2800.0	2790.1	2778.9	2767.4	2759.0	2746.2	2739.2	2733.4
12.5°	2818.5	2801.5	2790.1	2773.1	2756.1	2746.2	2730.6	2720.7	2708.0	2693.8	2685.3
15°	2798.7	2780.2	2764.7	2746.2	2727.8	2716.5	2698.1	2686.7	2668.4	2654.2	2644.3
17.5°	2768.8	2753.3	2736.3	2713.6	2696.6	2682.5	2662.6	2648.5	2631.5	2613.0	2603.1
20°	2737.7	2719.2	2702.4	2679.6	2662.6	2645.7	2625.9	2610.2	2590.4	2573.4	2562.1
22.5°	2696.6	2675.4	2661.2	2638.6	2618.8	2600.3	2582.0	2563.5	2545.1	2530.9	2518.2
25°	2637.1	2614.5	2598.9	2580.5	2562.1	2547.9	2525.3	2513.9	2495.6	2482.8	2470.0
27.5°	2552.2	2535.2	2521.0	2502.6	2487.0	2475.7	2458.7	2447.4	2431.8	2420.4	2410.5
30°	2427.5	2413.5	2400.6	2382.2	2370.9	2361.0	2345.4	2335.5	2324.1	2311.4	2308.6
32.5°	2260.5	2249.1	2236.4	2223.6	2215.1	2209.4	2196.7	2191.0	2179.7	2172.6	2165.5
35°	2008.4	1998.4	1991.4	1985.7	1982.8	1984.3	1981.5	1987.1	1989.9	1988.4	1989.9
37.5°	1678.4	1672.6	1675.5	1679.7	1693.9	1712.4	1729.4	1754.8	1771.8	1788.9	1804.4
40°	1310.1	1314.3	1325.7	1351.1	1388.0	1429.1	1467.3	1515.5	1563.6	1597.6	1628.8
42.5°	988.5	1001.4	1029.6	1066.5	1121.7	1182.6	1242.1	1312.9	1371.0	1427.6	1467.3
45°	743.6	760.5	797.4	848.4	909.2	980.1	1055.1	1134.4	1203.9	1261.9	1305.8
47.5°	579.3	594.9	631.7	685.5	760.5	834.2	912.2	994.3	1066.5	1123.1	1161.3
50°	457.4	477.2	509.8	566.6	641.6	719.4	800.2	880.9	948.9	997.1	1031.1
52.5°	359.8	378.1	409.3	468.8	545.3	623.1	698.2	777.6	837.0	883.8	906.4
55°	279.0	296.0	328.6	378.1	450.4	526.8	601.9	669.9	725.2	759.2	780.4
57.5°	212.4	225.2	247.8	297.4	362.6	433.4	497.1	565.1	607.6	631.7	645.8
60°	161.4	171.3	195.4	233.7	293.2	354.0	407.9	458.9	492.9	512.7	526.8
62.5°	121.7	133.2	150.1	182.7	228.0	277.7	322.9	361.1	389.5	402.3	412.2
65°	83.6	92.0	104.8	130.3	168.5	204.0	239.4	267.8	286.1	300.3	305.9
67.5°	62.3	68.0	75.0	95.0	121.7	150.1	174.2	194.1	213.9	219.6	229.5
70°	46.8	51.0	58.0	72.2	87.8	107.7	127.5	138.8	153.0	162.9	165.7
72.5°	29.7	31.2	38.2	46.8	59.5	72.2	85.0	95.0	103.4	109.1	111.8
75°	17.0	25.4	25.4	34.0	42.5	48.2	56.7	63.7	68.0	72.2	72.2
77.5°	11.4	15.5	17.0	21.3	25.4	32.6	39.6	43.9	48.2	49.5	49.5
80°	9.9	11.4	11.4	15.5	18.4	24.1	28.4	29.7	32.6	34.0	36.8
82.5°	4.3	5.6	7.1	11.4	12.7	12.7	17.0	18.4	21.3	22.7	22.7
85°	1.3	2.8	2.8	4.3	7.1	8.5	9.9	11.4	12.7	12.7	14.2
87.5°	1.3	1.3	0.0	1.3	2.8	2.8	5.6	5.6	5.6	8.5	8.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P248632

CATALOG NUMBER: LSR8B60D010 EC8B60927 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	2900.6	2900.6	2900.6	2900.6	2900.6	2900.6	2900.6
2.5°	2875.2	2876.5	2870.9	2869.4	2866.6	2868.0	2870.9
5°	2822.7	2824.1	2818.5	2812.8	2812.8	2811.4	2812.8
7.5°	2773.1	2774.6	2766.0	2763.2	2757.5	2759.0	2759.0
10°	2723.5	2723.5	2710.8	2709.3	2705.2	2703.7	2703.7
12.5°	2675.4	2671.1	2661.2	2655.6	2658.4	2649.9	2649.9
15°	2632.8	2625.9	2613.0	2608.8	2601.8	2598.9	2598.9
17.5°	2589.0	2583.3	2572.1	2563.5	2555.0	2553.6	2555.0
20°	2546.5	2540.8	2526.6	2521.0	2513.9	2513.9	2511.1
22.5°	2504.0	2498.4	2485.7	2481.4	2471.5	2471.5	2472.9
25°	2460.2	2455.9	2441.7	2438.9	2437.5	2431.8	2434.6
27.5°	2400.6	2397.8	2386.5	2382.2	2376.6	2375.2	2377.9
30°	2291.5	2287.4	2278.9	2274.6	2264.7	2266.1	2268.9
32.5°	2155.6	2150.0	2138.6	2134.4	2125.9	2123.0	2124.5
35°	1985.7	1981.5	1971.6	1971.6	1963.0	1960.2	1963.0
37.5°	1812.9	1817.1	1812.9	1817.1	1812.9	1811.5	1812.9
40°	1650.0	1665.6	1668.4	1684.0	1678.4	1686.8	1685.4
42.5°	1494.2	1519.6	1529.7	1542.4	1539.6	1545.2	1549.5
45°	1337.0	1358.2	1368.1	1376.7	1378.0	1380.9	1382.3
47.5°	1188.2	1205.3	1206.7	1216.6	1215.2	1215.2	1219.4
50°	1049.5	1060.8	1063.6	1070.8	1065.0	1062.2	1063.6
52.5°	920.6	932.0	929.0	932.0	924.9	922.0	923.4
55°	788.8	794.5	794.5	794.5	786.0	786.0	786.0
57.5°	654.3	655.8	652.9	654.3	652.9	644.4	643.1
60°	531.1	531.1	529.6	531.1	526.8	522.7	522.7
62.5°	414.9	417.8	423.4	417.8	414.9	417.8	413.6
65°	310.2	315.9	314.4	317.2	315.9	315.9	313.0
67.5°	233.7	235.1	236.5	237.9	237.9	237.9	237.9
70°	171.3	175.6	174.2	174.2	174.2	174.2	182.7
72.5°	114.8	120.4	119.0	121.7	121.7	124.6	121.7
75°	77.9	83.6	80.8	85.0	83.6	80.8	87.8
77.5°	52.4	55.2	56.7	58.0	56.7	55.2	56.7
80°	36.8	39.6	38.2	39.6	39.6	39.6	41.1
82.5°	22.7	26.9	25.4	26.9	25.4	26.9	26.9
85°	15.5	17.0	14.2	17.0	15.5	15.5	18.4
87.5°	9.9	8.5	8.5	9.9	8.5	9.9	8.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)