

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: P249064

Luminaire Tested: **LSR8B60D010 EC8B60927 8LBSW0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P249064
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 8LBSW0MW
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT- CYLINDEC
97 CRI 2700 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4834.1 lumens
Efficiency: N/A
Efficacy: 81.2 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

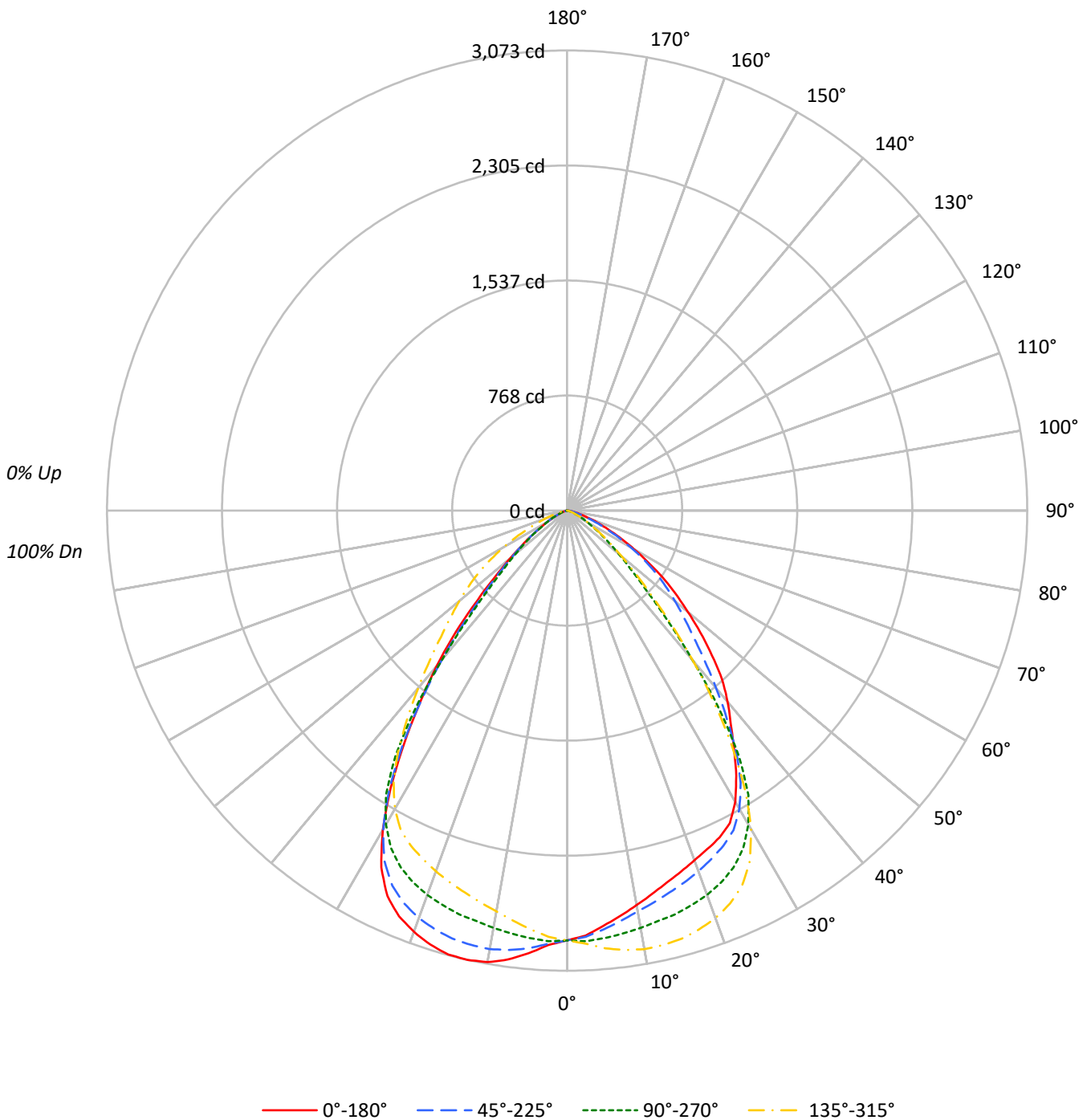
Input Watts (W): 59.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	273.2	5.7
10°-20°	791.0	16.4
20°-30°	1197.8	24.8
30°-40°	1200.4	24.8
40°-50°	753.8	15.6
50°-60°	401.7	8.3
60°-70°	165.2	3.4
70°-80°	43.6	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°	2261.9	46.8
0°-40°	3462.4	71.6
0°-60°	4617.9	95.5
0°-90°	4834.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4834.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2870	2870	2870	2870	2870	
5°	2783	2866	2968	2866	2783	262
15°	2571	2792	3069	2792	2571	727
25°	2409	2629	2840	2629	2409	1105
35°	1942	1997	1895	1997	1942	1217
45°	1368	732	846	732	1368	1052
55°	778	270	286	270	778	693
65°	310	83	76	83	310	321
75°	87	17	14	17	87	98
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°	2869.9	2869.9	2869.9	2869.9	2869.9	2869.9	2869.9	2869.9	2869.9	2869.9	2869.9
2.5°	2840.4	2837.6	2836.2	2839.0	2840.4	2846.0	2844.7	2847.4	2847.4	2848.8	2851.6
5°	2783.0	2781.6	2783.0	2783.0	2788.6	2794.2	2792.8	2797.0	2799.8	2806.9	2809.6
7.5°	2729.8	2729.8	2728.4	2733.9	2736.8	2745.1	2743.8	2750.7	2755.0	2762.0	2771.8
10°	2675.1	2675.1	2676.5	2680.6	2682.1	2694.7	2694.7	2704.5	2710.1	2717.1	2729.8
12.5°	2621.8	2621.8	2630.2	2627.4	2633.1	2642.8	2647.0	2656.9	2665.2	2679.3	2691.9
15°	2571.4	2571.4	2574.2	2581.2	2585.4	2598.1	2605.0	2616.3	2626.1	2640.0	2658.3
17.5°	2528.0	2526.5	2528.0	2536.3	2544.8	2556.0	2561.6	2575.6	2585.4	2603.6	2620.5
20°	2484.6	2487.4	2487.4	2494.4	2499.9	2513.9	2519.5	2535.0	2546.2	2563.0	2582.7
22.5°	2446.6	2445.3	2445.3	2455.1	2459.4	2471.8	2477.5	2491.5	2504.1	2518.1	2536.3
25°	2408.8	2406.0	2411.7	2413.0	2415.8	2429.9	2434.0	2443.8	2456.4	2469.2	2487.4
27.5°	2352.8	2350.0	2351.4	2357.0	2361.2	2372.4	2375.2	2385.0	2394.8	2406.0	2421.5
30°	2244.8	2242.1	2240.7	2250.6	2254.7	2263.0	2267.3	2284.1	2286.9	2299.5	2310.8
32.5°	2102.0	2100.6	2103.4	2111.7	2115.9	2127.2	2132.8	2142.6	2149.5	2156.6	2167.8
35°	1942.2	1939.4	1942.2	1950.6	1950.6	1960.4	1964.7	1968.9	1967.4	1968.9	1966.0
37.5°	1793.7	1792.2	1793.7	1797.9	1793.7	1797.9	1793.7	1785.3	1769.8	1753.1	1736.2
40°	1667.6	1668.9	1660.6	1666.1	1650.7	1647.9	1632.5	1611.4	1580.7	1547.1	1499.4
42.5°	1533.0	1528.9	1523.2	1526.1	1513.5	1503.6	1478.4	1451.8	1412.6	1356.5	1299.0
45°	1367.7	1366.3	1363.5	1362.0	1353.7	1343.8	1322.8	1292.0	1248.5	1191.1	1122.4
47.5°	1206.6	1202.3	1202.3	1203.8	1193.9	1192.5	1175.6	1149.1	1111.3	1055.1	983.7
50°	1052.3	1051.0	1053.8	1059.4	1052.3	1049.6	1038.4	1020.2	986.5	938.9	871.5
52.5°	913.6	912.3	915.1	922.0	919.2	922.0	910.9	896.8	874.5	828.1	769.3
55°	777.7	777.7	777.7	786.2	786.2	786.2	780.5	772.2	751.1	717.4	662.8
57.5°	636.2	637.5	646.0	647.4	646.0	648.8	647.4	639.0	625.1	601.2	559.1
60°	517.1	517.1	521.3	525.5	524.0	525.5	525.5	521.3	507.3	487.7	454.0
62.5°	409.2	413.4	410.5	413.4	419.0	413.4	410.5	407.8	398.0	385.3	357.3
65°	309.7	312.5	312.5	313.9	311.1	312.5	306.9	302.7	297.1	283.0	264.8
67.5°	235.5	235.5	235.5	235.5	234.0	232.6	231.2	227.0	217.2	211.6	191.9
70°	180.8	172.4	172.4	172.4	172.4	173.8	169.5	164.0	161.1	151.3	137.4
72.5°	120.5	123.3	120.5	120.5	117.7	119.1	113.5	110.7	107.9	102.4	93.9
75°	86.9	79.9	82.7	84.1	79.9	82.7	77.1	71.4	71.4	67.3	63.0
77.5°	56.0	54.7	56.0	57.5	56.0	54.7	51.9	49.1	49.1	47.6	43.4
80°	40.6	39.3	39.3	39.3	37.8	39.3	36.4	36.4	33.6	32.3	29.4
82.5°	26.7	26.7	25.2	26.7	25.2	26.7	22.4	22.4	22.4	21.0	18.2
85°	18.2	15.4	15.4	16.9	14.1	16.9	15.4	14.1	12.6	12.6	11.1
87.5°	8.4	9.8	8.4	9.8	8.4	8.4	9.8	8.4	8.4	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°	2869.9	2869.9	2869.9	2869.9	2869.9	2869.9	2869.9	2869.9	2869.9	2869.9	2869.9
2.5°	2855.8	2857.3	2857.3	2862.9	2865.7	2867.1	2867.1	2878.3	2874.0	2876.8	2879.7
5°	2815.2	2823.6	2826.5	2826.5	2841.9	2847.4	2853.0	2865.7	2867.1	2875.5	2885.3
7.5°	2775.9	2785.7	2791.5	2804.0	2813.8	2823.6	2840.4	2848.8	2857.3	2868.5	2881.0
10°	2738.1	2749.4	2760.5	2770.4	2785.7	2798.4	2809.6	2829.2	2839.0	2854.5	2871.2
12.5°	2701.7	2717.1	2726.9	2743.8	2760.5	2771.8	2788.6	2806.9	2822.2	2837.6	2857.3
15°	2669.5	2687.7	2698.9	2717.1	2735.3	2750.7	2769.0	2791.5	2802.6	2820.8	2839.0
17.5°	2634.4	2654.1	2668.2	2684.9	2707.3	2724.1	2739.6	2762.0	2775.9	2795.6	2816.7
20°	2598.1	2617.6	2634.4	2651.3	2673.7	2690.4	2708.7	2731.2	2746.6	2766.2	2783.0
22.5°	2554.6	2572.9	2591.0	2610.6	2633.1	2647.0	2668.2	2687.7	2704.5	2722.7	2739.6
25°	2498.5	2521.0	2535.0	2553.2	2571.4	2586.8	2609.2	2628.8	2642.8	2659.7	2675.1
27.5°	2432.7	2449.5	2460.7	2476.1	2494.4	2508.3	2525.2	2544.8	2558.8	2574.2	2585.4
30°	2320.5	2336.0	2345.8	2357.0	2375.2	2387.8	2401.9	2420.0	2429.9	2441.1	2450.9
32.5°	2173.4	2186.0	2191.6	2200.0	2212.6	2225.2	2236.5	2251.9	2256.1	2263.0	2263.0
35°	1960.4	1963.2	1961.8	1964.7	1970.2	1977.2	1987.1	1996.9	2002.4	2002.4	1998.3
37.5°	1711.0	1694.2	1676.0	1662.0	1657.8	1654.9	1660.6	1664.8	1670.4	1673.1	1666.1
40°	1451.8	1413.9	1373.3	1336.8	1311.6	1300.4	1296.2	1299.0	1299.0	1308.8	1308.8
42.5°	1229.0	1170.1	1109.8	1055.1	1018.7	990.8	978.1	978.1	979.5	986.5	990.8
45°	1044.0	969.8	899.7	839.4	789.0	752.5	735.6	731.5	730.1	732.8	742.7
47.5°	902.5	825.4	752.5	678.3	625.1	588.6	573.2	567.4	561.9	567.4	568.9
50°	791.8	711.9	634.8	560.5	504.4	472.2	452.6	444.2	442.8	442.8	445.6
52.5°	690.9	616.6	539.6	463.8	405.0	374.2	356.0	351.7	346.2	351.7	351.7
55°	595.6	521.3	445.6	374.2	325.1	292.8	276.1	270.4	267.6	271.8	271.8
57.5°	491.8	428.7	358.8	294.3	245.2	222.9	210.2	203.2	201.7	204.6	201.7
60°	403.5	350.3	290.0	231.2	193.4	169.5	159.8	156.9	154.1	156.9	156.9
62.5°	319.5	274.6	225.6	180.8	148.5	131.7	120.5	120.5	119.1	119.1	120.5
65°	236.8	201.7	166.7	128.9	103.7	91.1	82.7	82.7	81.2	82.7	81.2
67.5°	172.4	148.5	120.5	93.9	74.2	67.3	61.6	57.5	60.3	57.5	56.0
70°	126.1	106.4	86.9	71.4	57.5	50.5	46.2	44.8	42.1	42.1	42.1
72.5°	84.1	71.4	58.8	46.2	37.8	30.8	29.4	26.7	23.8	25.2	28.0
75°	56.0	47.6	42.1	33.6	25.2	25.2	16.9	16.9	14.1	16.9	12.6
77.5°	39.3	32.3	25.2	21.0	16.9	15.4	11.1	11.1	9.8	9.8	9.8
80°	28.0	23.8	18.2	15.4	11.1	11.1	9.8	8.4	7.0	7.0	8.4
82.5°	16.9	12.6	12.6	11.1	7.0	5.6	4.2	5.6	2.8	2.8	2.8
85°	9.8	8.4	7.0	4.2	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°	2869.9	2869.9	2869.9	2869.9	2869.9	2869.9	2869.9	2869.9	2869.9	2869.9	2869.9
2.5°	2886.8	2885.3	2888.1	2888.1	2896.5	2895.1	2899.2	2899.2	2896.5	2897.9	2903.5
5°	2896.5	2900.7	2909.1	2916.1	2928.7	2934.3	2941.3	2948.4	2949.8	2953.9	2958.2
7.5°	2896.5	2910.5	2920.4	2932.9	2949.8	2959.5	2975.0	2987.5	2993.2	3000.2	3008.6
10°	2890.9	2904.9	2923.1	2937.2	2958.2	2973.6	2989.0	3008.6	3017.0	3028.2	3039.4
12.5°	2879.7	2895.1	2914.6	2932.9	2956.7	2970.8	2990.4	3008.6	3021.2	3036.6	3049.2
15°	2862.9	2881.0	2899.2	2917.5	2942.7	2959.5	2977.8	2998.8	3011.4	3028.2	3039.4
17.5°	2836.2	2855.8	2872.7	2889.5	2913.3	2932.9	2949.8	2969.3	2982.0	2996.0	3011.4
20°	2804.0	2822.2	2840.4	2854.5	2878.3	2895.1	2913.3	2931.5	2941.3	2944.1	2968.0
22.5°	2763.3	2775.9	2790.0	2812.4	2826.5	2841.9	2858.6	2875.5	2885.3	2900.7	2909.1
25°	2696.1	2708.7	2724.1	2733.9	2750.7	2763.3	2780.2	2798.4	2804.0	2815.2	2823.6
27.5°	2602.2	2609.2	2616.3	2624.6	2634.4	2641.5	2651.3	2659.7	2665.2	2670.9	2676.5
30°	2453.6	2453.6	2453.6	2448.1	2452.3	2456.4	2457.9	2456.4	2456.4	2455.1	2455.1
32.5°	2257.5	2246.3	2233.7	2222.4	2218.3	2212.6	2209.8	2205.7	2198.7	2194.4	2195.9
35°	1992.6	1967.4	1952.0	1938.0	1926.8	1918.4	1914.2	1910.0	1908.6	1903.0	1897.3
37.5°	1662.0	1643.7	1632.5	1624.2	1614.3	1605.9	1607.3	1608.8	1612.9	1610.1	1611.4
40°	1311.6	1307.4	1311.6	1301.9	1299.0	1301.9	1308.8	1318.6	1324.2	1329.9	1339.6
42.5°	997.8	1004.7	1014.5	1014.5	1018.7	1024.4	1032.8	1048.2	1056.6	1066.4	1077.6
45°	751.1	759.5	772.2	776.2	779.2	786.2	795.9	808.5	814.2	822.6	832.4
47.5°	578.7	584.3	591.3	598.4	605.4	608.2	618.0	618.0	625.1	630.6	633.4
50°	451.2	456.9	462.4	466.6	469.5	473.6	476.4	480.6	482.1	484.9	486.2
52.5°	353.1	360.1	360.1	362.9	367.1	371.4	369.9	371.4	372.7	372.7	376.9
55°	276.1	276.1	280.2	280.2	283.0	281.7	283.0	283.0	283.0	283.0	284.5
57.5°	206.0	207.4	211.6	208.8	207.4	210.2	207.4	210.2	208.8	211.6	207.4
60°	158.3	158.3	159.8	159.8	161.1	161.1	161.1	159.8	159.8	158.3	158.3
62.5°	119.1	120.5	122.0	120.5	120.5	120.5	119.1	119.1	117.7	116.3	116.3
65°	79.9	78.5	81.2	78.5	79.9	79.9	78.5	79.9	75.7	77.1	75.7
67.5°	57.5	56.0	54.7	56.0	54.7	53.2	53.2	54.7	56.0	51.9	51.9
70°	37.8	39.3	37.8	39.3	40.6	40.6	39.3	37.8	39.3	36.4	37.8
72.5°	23.8	23.8	23.8	23.8	23.8	25.2	25.2	25.2	22.4	22.4	21.0
75°	11.1	15.4	12.6	11.1	15.4	15.4	14.1	14.1	12.6	12.6	12.6
77.5°	11.1	8.4	8.4	8.4	8.4	8.4	8.4	8.4	7.0	8.4	7.0
80°	5.6	5.6	5.6	4.2	5.6	5.6	7.0	5.6	5.6	4.2	7.0
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: P249064

CATALOG NUMBER: LSR8B60D010 EC8B60927 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	2869.9	2869.9	2869.9	2869.9	2869.9	2869.9	2869.9	2869.9	2869.9	2869.9	2869.9
2.5°	2902.2	2900.7	2902.2	2903.5	2902.2	2900.7	2902.2	2903.5	2897.9	2896.5	2899.2
5°	2963.8	2963.8	2966.5	2968.0	2966.5	2963.8	2963.8	2958.2	2953.9	2949.8	2948.4
7.5°	3017.0	3019.8	3022.6	3024.0	3022.6	3019.8	3017.0	3008.6	3000.2	2993.2	2987.5
10°	3049.2	3053.5	3059.1	3061.8	3059.1	3053.5	3049.2	3039.4	3028.2	3017.0	3008.6
12.5°	3063.3	3067.4	3074.4	3073.0	3074.4	3067.4	3063.3	3049.2	3036.6	3021.2	3008.6
15°	3053.5	3059.1	3066.1	3068.9	3066.1	3059.1	3053.5	3039.4	3028.2	3011.4	2998.8
17.5°	3022.6	3031.0	3035.2	3039.4	3035.2	3031.0	3022.6	3011.4	2996.0	2982.0	2969.3
20°	2980.6	2986.2	2991.8	2993.2	2991.8	2986.2	2980.6	2968.0	2944.1	2941.3	2931.5
22.5°	2920.4	2924.5	2937.2	2932.9	2937.2	2924.5	2920.4	2909.1	2900.7	2885.3	2875.5
25°	2833.4	2837.6	2839.0	2840.4	2839.0	2837.6	2833.4	2823.6	2815.2	2804.0	2798.4
27.5°	2683.5	2683.5	2686.3	2687.7	2686.3	2683.5	2683.5	2676.5	2670.9	2665.2	2659.7
30°	2456.4	2456.4	2456.4	2463.5	2456.4	2456.4	2456.4	2455.1	2455.1	2456.4	2456.4
32.5°	2194.4	2191.6	2188.8	2191.6	2188.8	2191.6	2194.4	2195.9	2194.4	2198.7	2205.7
35°	1897.3	1896.0	1900.1	1894.6	1900.1	1896.0	1897.3	1897.3	1903.0	1908.6	1910.0
37.5°	1612.9	1610.1	1615.7	1610.1	1615.7	1610.1	1612.9	1611.4	1610.1	1612.9	1608.8
40°	1342.5	1345.3	1345.3	1356.5	1345.3	1345.3	1342.5	1339.6	1329.9	1324.2	1318.6
42.5°	1083.3	1091.6	1088.8	1097.2	1088.8	1091.6	1083.3	1077.6	1066.4	1056.6	1048.2
45°	838.0	843.6	843.6	846.3	843.6	843.6	838.0	832.4	822.6	814.2	808.5
47.5°	643.2	643.2	643.2	644.6	643.2	643.2	643.2	633.4	630.6	625.1	618.0
50°	489.0	490.4	491.8	493.3	491.8	490.4	489.0	486.2	484.9	482.1	480.6
52.5°	375.5	376.9	374.2	376.9	374.2	376.9	375.5	376.9	372.7	372.7	371.4
55°	284.5	283.0	284.5	285.9	284.5	283.0	284.5	284.5	283.0	283.0	283.0
57.5°	208.8	206.0	206.0	206.0	206.0	206.0	208.8	207.4	211.6	208.8	210.2
60°	155.6	156.9	156.9	158.3	156.9	156.9	155.6	158.3	158.3	159.8	159.8
62.5°	114.9	119.1	116.3	119.1	116.3	119.1	114.9	116.3	116.3	117.7	119.1
65°	74.2	74.2	74.2	75.7	74.2	74.2	74.2	75.7	77.1	75.7	79.9
67.5°	50.5	51.9	54.7	53.2	54.7	51.9	50.5	51.9	51.9	56.0	54.7
70°	40.6	36.4	36.4	40.6	36.4	36.4	40.6	37.8	36.4	39.3	37.8
72.5°	23.8	21.0	23.8	23.8	23.8	21.0	23.8	21.0	22.4	22.4	25.2
75°	12.6	11.1	9.8	14.1	9.8	11.1	12.6	12.6	12.6	12.6	14.1
77.5°	8.4	7.0	9.8	9.8	9.8	7.0	8.4	7.0	8.4	7.0	8.4
80°	4.2	5.6	4.2	7.0	4.2	5.6	4.2	7.0	4.2	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: P249064

CATALOG NUMBER: LSR8B60D010 EC8B60927 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	2869.9	2869.9	2869.9	2869.9	2869.9	2869.9	2869.9	2869.9	2869.9	2869.9	2869.9
2.5°	2899.2	2895.1	2896.5	2888.1	2888.1	2885.3	2886.8	2879.7	2876.8	2874.0	2878.3
5°	2941.3	2934.3	2928.7	2916.1	2909.1	2900.7	2896.5	2885.3	2875.5	2867.1	2865.7
7.5°	2975.0	2959.5	2949.8	2932.9	2920.4	2910.5	2896.5	2881.0	2868.5	2857.3	2848.8
10°	2989.0	2973.6	2958.2	2937.2	2923.1	2904.9	2890.9	2871.2	2854.5	2839.0	2829.2
12.5°	2990.4	2970.8	2956.7	2932.9	2914.6	2895.1	2879.7	2857.3	2837.6	2822.2	2806.9
15°	2977.8	2959.5	2942.7	2917.5	2899.2	2881.0	2862.9	2839.0	2820.8	2802.6	2791.5
17.5°	2949.8	2932.9	2913.3	2889.5	2872.7	2855.8	2836.2	2816.7	2795.6	2775.9	2762.0
20°	2913.3	2895.1	2878.3	2854.5	2840.4	2822.2	2804.0	2783.0	2766.2	2746.6	2731.2
22.5°	2858.6	2841.9	2826.5	2812.4	2790.0	2775.9	2763.3	2739.6	2722.7	2704.5	2687.7
25°	2780.2	2763.3	2750.7	2733.9	2724.1	2708.7	2696.1	2675.1	2659.7	2642.8	2628.8
27.5°	2651.3	2641.5	2634.4	2624.6	2616.3	2609.2	2602.2	2585.4	2574.2	2558.8	2544.8
30°	2457.9	2456.4	2452.3	2448.1	2453.6	2453.6	2453.6	2450.9	2441.1	2429.9	2420.0
32.5°	2209.8	2212.6	2218.3	2222.4	2233.7	2246.3	2257.5	2263.0	2263.0	2256.1	2251.9
35°	1914.2	1918.4	1926.8	1938.0	1952.0	1967.4	1992.6	1998.3	2002.4	2002.4	1996.9
37.5°	1607.3	1605.9	1614.3	1624.2	1632.5	1643.7	1662.0	1666.1	1673.1	1670.4	1664.8
40°	1308.8	1301.9	1299.0	1301.9	1311.6	1307.4	1311.6	1308.8	1308.8	1299.0	1299.0
42.5°	1032.8	1024.4	1018.7	1014.5	1014.5	1004.7	997.8	990.8	986.5	979.5	978.1
45°	795.9	786.2	779.2	776.2	772.2	759.5	751.1	742.7	732.8	730.1	731.5
47.5°	618.0	608.2	605.4	598.4	591.3	584.3	578.7	568.9	567.4	561.9	567.4
50°	476.4	473.6	469.5	466.6	462.4	456.9	451.2	445.6	442.8	442.8	444.2
52.5°	369.9	371.4	367.1	362.9	360.1	360.1	353.1	351.7	351.7	346.2	351.7
55°	283.0	281.7	283.0	280.2	280.2	276.1	276.1	271.8	271.8	267.6	270.4
57.5°	207.4	210.2	207.4	208.8	211.6	207.4	206.0	201.7	204.6	201.7	203.2
60°	161.1	161.1	161.1	159.8	159.8	158.3	158.3	156.9	156.9	154.1	156.9
62.5°	119.1	120.5	120.5	120.5	122.0	120.5	119.1	120.5	119.1	119.1	120.5
65°	78.5	79.9	79.9	78.5	81.2	78.5	79.9	81.2	82.7	81.2	82.7
67.5°	53.2	53.2	54.7	56.0	54.7	56.0	57.5	56.0	57.5	60.3	57.5
70°	39.3	40.6	40.6	39.3	37.8	39.3	37.8	42.1	42.1	42.1	44.8
72.5°	25.2	25.2	23.8	23.8	23.8	23.8	23.8	28.0	25.2	23.8	26.7
75°	14.1	15.4	15.4	11.1	12.6	15.4	11.1	12.6	16.9	14.1	16.9
77.5°	8.4	8.4	8.4	8.4	8.4	8.4	11.1	9.8	9.8	9.8	11.1
80°	7.0	5.6	5.6	4.2	5.6	5.6	5.6	8.4	7.0	7.0	8.4
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: P249064

CATALOG NUMBER: LSR8B60D010 EC8B60927 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	2869.9	2869.9	2869.9	2869.9	2869.9	2869.9	2869.9	2869.9	2869.9	2869.9	2869.9
2.5°	2867.1	2867.1	2865.7	2862.9	2857.3	2857.3	2855.8	2851.6	2848.8	2847.4	2847.4
5°	2853.0	2847.4	2841.9	2826.5	2826.5	2823.6	2815.2	2809.6	2806.9	2799.8	2797.0
7.5°	2840.4	2823.6	2813.8	2804.0	2791.5	2785.7	2775.9	2771.8	2762.0	2755.0	2750.7
10°	2809.6	2798.4	2785.7	2770.4	2760.5	2749.4	2738.1	2729.8	2717.1	2710.1	2704.5
12.5°	2788.6	2771.8	2760.5	2743.8	2726.9	2717.1	2701.7	2691.9	2679.3	2665.2	2656.9
15°	2769.0	2750.7	2735.3	2717.1	2698.9	2687.7	2669.5	2658.3	2640.0	2626.1	2616.3
17.5°	2739.6	2724.1	2707.3	2684.9	2668.2	2654.1	2634.4	2620.5	2603.6	2585.4	2575.6
20°	2708.7	2690.4	2673.7	2651.3	2634.4	2617.6	2598.1	2582.7	2563.0	2546.2	2535.0
22.5°	2668.2	2647.0	2633.1	2610.6	2591.0	2572.9	2554.6	2536.3	2518.1	2504.1	2491.5
25°	2609.2	2586.8	2571.4	2553.2	2535.0	2521.0	2498.5	2487.4	2469.2	2456.4	2443.8
27.5°	2525.2	2508.3	2494.4	2476.1	2460.7	2449.5	2432.7	2421.5	2406.0	2394.8	2385.0
30°	2401.9	2387.8	2375.2	2357.0	2345.8	2336.0	2320.5	2310.8	2299.5	2286.9	2284.1
32.5°	2236.5	2225.2	2212.6	2200.0	2191.6	2186.0	2173.4	2167.8	2156.6	2149.5	2142.6
35°	1987.1	1977.2	1970.2	1964.7	1961.8	1963.2	1960.4	1966.0	1968.9	1967.4	1968.9
37.5°	1660.6	1654.9	1657.8	1662.0	1676.0	1694.2	1711.0	1736.2	1753.1	1769.8	1785.3
40°	1296.2	1300.4	1311.6	1336.8	1373.3	1413.9	1451.8	1499.4	1547.1	1580.7	1611.4
42.5°	978.1	990.8	1018.7	1055.1	1109.8	1170.1	1229.0	1299.0	1356.5	1412.6	1451.8
45°	735.6	752.5	789.0	839.4	899.7	969.8	1044.0	1122.4	1191.1	1248.5	1292.0
47.5°	573.2	588.6	625.1	678.3	752.5	825.4	902.5	983.7	1055.1	1111.3	1149.1
50°	452.6	472.2	504.4	560.5	634.8	711.9	791.8	871.5	938.9	986.5	1020.2
52.5°	356.0	374.2	405.0	463.8	539.6	616.6	690.9	769.3	828.1	874.5	896.8
55°	276.1	292.8	325.1	374.2	445.6	521.3	595.6	662.8	717.4	751.1	772.2
57.5°	210.2	222.9	245.2	294.3	358.8	428.7	491.8	559.1	601.2	625.1	639.0
60°	159.8	169.5	193.4	231.2	290.0	350.3	403.5	454.0	487.7	507.3	521.3
62.5°	120.5	131.7	148.5	180.8	225.6	274.6	319.5	357.3	385.3	398.0	407.8
65°	82.7	91.1	103.7	128.9	166.7	201.7	236.8	264.8	283.0	297.1	302.7
67.5°	61.6	67.3	74.2	93.9	120.5	148.5	172.4	191.9	211.6	217.2	227.0
70°	46.2	50.5	57.5	71.4	86.9	106.4	126.1	137.4	151.3	161.1	164.0
72.5°	29.4	30.8	37.8	46.2	58.8	71.4	84.1	93.9	102.4	107.9	110.7
75°	16.9	25.2	25.2	33.6	42.1	47.6	56.0	63.0	67.3	71.4	71.4
77.5°	11.1	15.4	16.9	21.0	25.2	32.3	39.3	43.4	47.6	49.1	49.1
80°	9.8	11.1	11.1	15.4	18.2	23.8	28.0	29.4	32.3	33.6	36.4
82.5°	4.2	5.6	7.0	11.1	12.6	12.6	16.9	18.2	21.0	22.4	22.4
85°	1.3	2.8	2.8	4.2	7.0	8.4	9.8	11.1	12.6	12.6	14.1
87.5°	1.3	1.3	0.0	1.3	2.8	2.8	5.6	5.6	5.6	8.4	8.4
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: P249064

CATALOG NUMBER: LSR8B60D010 EC8B60927 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	2869.9	2869.9	2869.9	2869.9	2869.9	2869.9	2869.9
2.5°	2844.7	2846.0	2840.4	2839.0	2836.2	2837.6	2840.4
5°	2792.8	2794.2	2788.6	2783.0	2783.0	2781.6	2783.0
7.5°	2743.8	2745.1	2736.8	2733.9	2728.4	2729.8	2729.8
10°	2694.7	2694.7	2682.1	2680.6	2676.5	2675.1	2675.1
12.5°	2647.0	2642.8	2633.1	2627.4	2630.2	2621.8	2621.8
15°	2605.0	2598.1	2585.4	2581.2	2574.2	2571.4	2571.4
17.5°	2561.6	2556.0	2544.8	2536.3	2528.0	2526.5	2528.0
20°	2519.5	2513.9	2499.9	2494.4	2487.4	2487.4	2484.6
22.5°	2477.5	2471.8	2459.4	2455.1	2445.3	2445.3	2446.6
25°	2434.0	2429.9	2415.8	2413.0	2411.7	2406.0	2408.8
27.5°	2375.2	2372.4	2361.2	2357.0	2351.4	2350.0	2352.8
30°	2267.3	2263.0	2254.7	2250.6	2240.7	2242.1	2244.8
32.5°	2132.8	2127.2	2115.9	2111.7	2103.4	2100.6	2102.0
35°	1964.7	1960.4	1950.6	1950.6	1942.2	1939.4	1942.2
37.5°	1793.7	1797.9	1793.7	1797.9	1793.7	1792.2	1793.7
40°	1632.5	1647.9	1650.7	1666.1	1660.6	1668.9	1667.6
42.5°	1478.4	1503.6	1513.5	1526.1	1523.2	1528.9	1533.0
45°	1322.8	1343.8	1353.7	1362.0	1363.5	1366.3	1367.7
47.5°	1175.6	1192.5	1193.9	1203.8	1202.3	1202.3	1206.6
50°	1038.4	1049.6	1052.3	1059.4	1053.8	1051.0	1052.3
52.5°	910.9	922.0	919.2	922.0	915.1	912.3	913.6
55°	780.5	786.2	786.2	786.2	777.7	777.7	777.7
57.5°	647.4	648.8	646.0	647.4	646.0	637.5	636.2
60°	525.5	525.5	524.0	525.5	521.3	517.1	517.1
62.5°	410.5	413.4	419.0	413.4	410.5	413.4	409.2
65°	306.9	312.5	311.1	313.9	312.5	312.5	309.7
67.5°	231.2	232.6	234.0	235.5	235.5	235.5	235.5
70°	169.5	173.8	172.4	172.4	172.4	172.4	180.8
72.5°	113.5	119.1	117.7	120.5	120.5	123.3	120.5
75°	77.1	82.7	79.9	84.1	82.7	79.9	86.9
77.5°	51.9	54.7	56.0	57.5	56.0	54.7	56.0
80°	36.4	39.3	37.8	39.3	39.3	39.3	40.6
82.5°	22.4	26.7	25.2	26.7	25.2	26.7	26.7
85°	15.4	16.9	14.1	16.9	15.4	15.4	18.2
87.5°	9.8	8.4	8.4	9.8	8.4	9.8	8.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)