

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: P248875

Luminaire Tested: **LSR8B60D010 EC8B60830 8LBSW0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248875
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 EC8B60830 8LBSW0B
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT- CYLINDEC
80 CRI 3000 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4583.0 lumens
Efficiency: N/A
Efficacy: 77.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.23 / 1.15
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

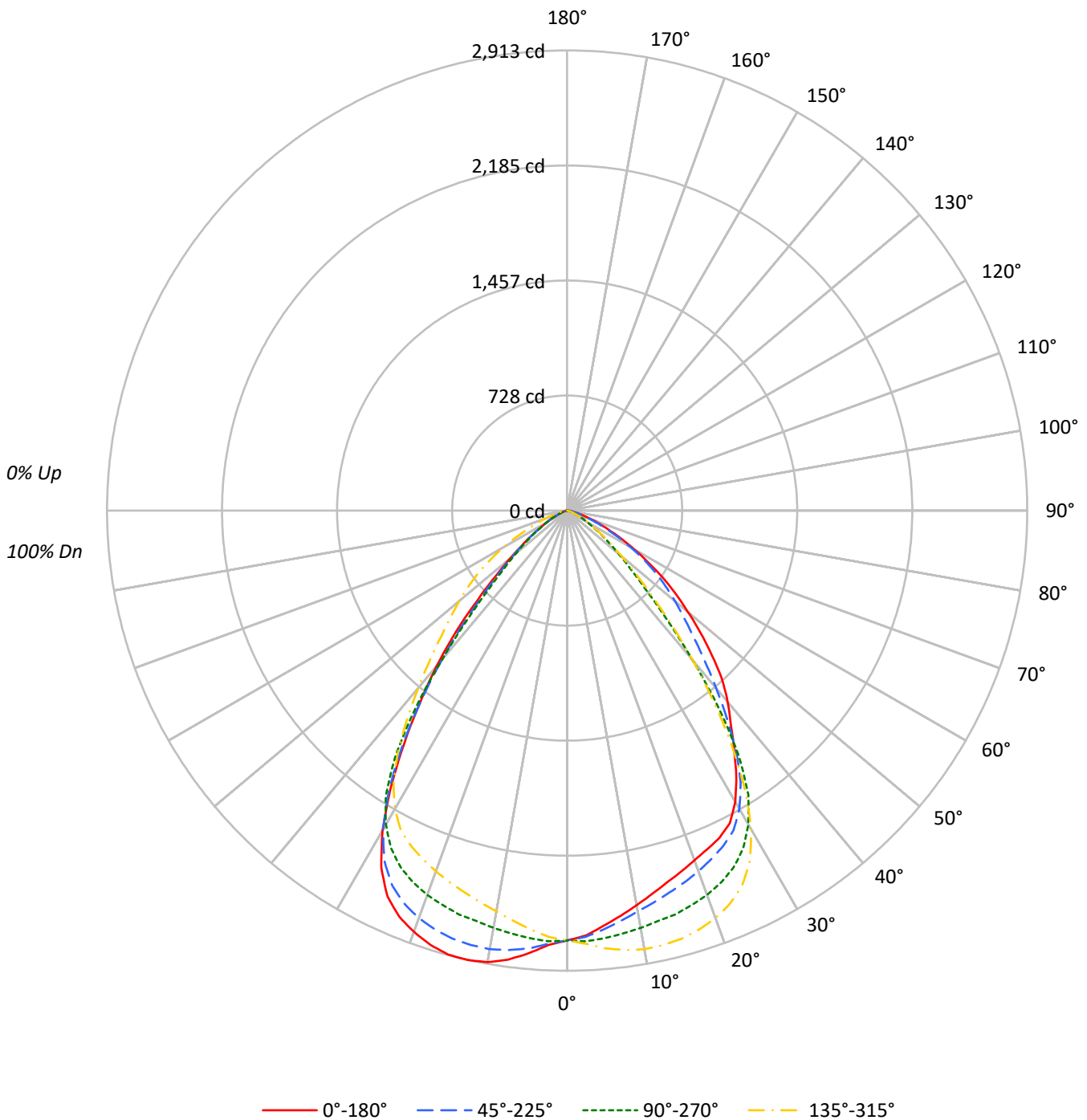
Input Watts (W): 59.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	83899	83899	83899	83899
5°	81669	84096	87099	84096
10°	79410	83985	90893	83985
15°	77825	84484	92880	84484
20°	77293	84969	93120	84969
25°	77701	84798	91624	84798
30°	75778	81692	83159	81692
35°	69314	71264	67616	71264
40°	63637	49573	51767	49573
45°	56544	30243	34992	30243
50°	47862	20201	22432	20201
55°	39638	13784	14569	13784
60°	30232	9177	9257	9177
65°	21423	5720	5232	5720
70°	15453	3832	3480	3832
75°	9817	1906	1585	1906
80°	6855	1421	1172	1421
85°	6121	0	460	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	259.0	5.7
10°-20°	749.9	16.4
20°-30°	1135.5	24.8
30°-40°	1138.1	24.8
40°-50°	714.7	15.6
50°-60°	380.8	8.3
60°-70°	156.6	3.4
70°-80°	41.4	0.9
80°-90°	7.0	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°	2144.4	46.8
0°-40°	3282.5	71.6
0°-60°	4378.0	95.5
0°-90°	4583.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4583.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2721	2721	2721	2721	2721	
5°	2638	2717	2814	2717	2638	249
15°	2438	2646	2909	2646	2438	689
25°	2284	2492	2693	2492	2284	1047
35°	1841	1893	1796	1893	1841	1154
45°	1297	694	802	694	1297	997
55°	737	256	271	256	737	657
65°	294	78	72	78	294	305
75°	82	16	13	16	82	93
85°	17	0	1	0	17	19
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°	2720.8	2720.8	2720.8	2720.8	2720.8	2720.8	2720.8	2720.8	2720.8	2720.8	2720.8
2.5°	2692.9	2690.2	2688.9	2691.6	2692.9	2698.2	2696.9	2699.5	2699.5	2700.9	2703.5
5°	2638.4	2637.1	2638.4	2638.4	2643.7	2649.0	2647.7	2651.7	2654.3	2661.0	2663.6
7.5°	2588.0	2588.0	2586.6	2591.9	2594.6	2602.6	2601.2	2607.9	2611.9	2618.5	2627.8
10°	2536.1	2536.1	2537.4	2541.4	2542.8	2554.7	2554.7	2564.0	2569.3	2576.0	2588.0
12.5°	2485.6	2485.6	2493.6	2491.0	2496.3	2505.6	2509.5	2518.8	2526.8	2540.1	2552.1
15°	2437.8	2437.8	2440.5	2447.1	2451.1	2463.1	2469.7	2480.3	2489.6	2502.9	2520.2
17.5°	2396.6	2395.3	2396.6	2404.6	2412.6	2423.2	2428.5	2441.8	2451.1	2468.4	2484.3
20°	2355.4	2358.1	2358.1	2364.7	2370.0	2383.3	2388.6	2403.3	2413.9	2429.8	2448.5
22.5°	2319.6	2318.3	2318.3	2327.6	2331.6	2343.5	2348.8	2362.1	2374.0	2387.3	2404.6
25°	2283.7	2281.0	2286.4	2287.7	2290.3	2303.6	2307.6	2316.9	2328.9	2340.8	2358.1
27.5°	2230.6	2227.9	2229.2	2234.5	2238.5	2249.1	2251.8	2261.1	2270.4	2281.0	2295.7
30°	2128.2	2125.6	2124.3	2133.6	2137.6	2145.5	2149.5	2165.5	2168.1	2180.1	2190.7
32.5°	1992.7	1991.4	1994.1	2002.0	2006.0	2016.7	2022.0	2031.3	2037.9	2044.6	2055.2
35°	1841.3	1838.6	1841.3	1849.3	1849.3	1858.6	1862.6	1866.5	1865.2	1866.5	1863.9
37.5°	1700.5	1699.1	1700.5	1704.5	1700.5	1704.5	1700.5	1692.5	1677.9	1662.0	1646.0
40°	1580.9	1582.2	1574.3	1579.6	1565.0	1562.3	1547.7	1527.8	1498.6	1466.7	1421.5
42.5°	1453.4	1449.4	1444.1	1446.7	1434.8	1425.5	1401.6	1376.4	1339.1	1286.0	1231.5
45°	1296.6	1295.3	1292.6	1291.3	1283.3	1274.0	1254.1	1224.9	1183.7	1129.2	1064.1
47.5°	1143.8	1139.9	1139.9	1141.2	1131.9	1130.6	1114.6	1089.4	1053.5	1000.4	932.6
50°	997.7	996.4	999.0	1004.4	997.7	995.1	984.4	967.2	935.3	890.1	826.3
52.5°	866.2	864.9	867.5	874.2	871.5	874.2	863.5	850.3	829.0	785.1	729.4
55°	737.3	737.3	737.3	745.3	745.3	745.3	740.0	732.0	712.1	680.2	628.4
57.5°	603.1	604.5	612.4	613.8	612.4	615.1	613.8	605.8	592.5	570.0	530.1
60°	490.2	490.2	494.2	498.2	496.8	498.2	498.2	494.2	480.9	462.3	430.5
62.5°	387.9	391.9	389.2	391.9	397.2	391.9	389.2	386.6	377.3	365.3	338.8
65°	293.6	296.3	296.3	297.6	294.9	296.3	291.0	287.0	281.7	268.4	251.1
67.5°	223.2	223.2	223.2	223.2	221.8	220.5	219.2	215.2	205.9	200.6	182.0
70°	171.4	163.4	163.4	163.4	163.4	164.8	160.8	155.5	152.8	143.5	130.2
72.5°	114.2	116.9	114.2	114.2	111.6	112.9	107.6	104.9	102.3	97.0	89.0
75°	82.4	75.7	78.4	79.7	75.7	78.4	73.1	67.8	67.8	63.8	59.8
77.5°	53.2	51.8	53.2	54.5	53.2	51.8	49.2	46.5	46.5	45.2	41.2
80°	38.6	37.2	37.2	37.2	35.9	37.2	34.6	34.6	31.9	30.6	27.9
82.5°	25.3	25.3	23.9	25.3	23.9	25.3	21.3	21.3	21.3	19.9	17.3
85°	17.3	14.6	14.6	16.0	13.3	16.0	14.6	13.3	12.0	12.0	10.6
87.5°	8.0	9.3	8.0	9.3	8.0	8.0	9.3	8.0	8.0	5.3	5.3
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°	2720.8	2720.8	2720.8	2720.8	2720.8	2720.8	2720.8	2720.8	2720.8	2720.8	2720.8
2.5°	2707.5	2708.8	2708.8	2714.2	2716.8	2718.1	2718.1	2728.8	2724.8	2727.5	2730.1
5°	2669.0	2676.9	2679.6	2679.6	2694.2	2699.5	2704.8	2716.8	2718.1	2726.1	2735.4
7.5°	2631.8	2641.1	2646.4	2658.3	2667.6	2676.9	2692.9	2700.9	2708.8	2719.5	2731.4
10°	2595.9	2606.6	2617.2	2626.5	2641.1	2653.0	2663.6	2682.2	2691.6	2706.2	2722.1
12.5°	2561.4	2576.0	2585.3	2601.2	2617.2	2627.8	2643.7	2661.0	2675.6	2690.2	2708.8
15°	2530.8	2548.1	2558.7	2576.0	2593.3	2607.9	2625.1	2646.4	2657.0	2674.3	2691.6
17.5°	2497.6	2516.2	2529.5	2545.4	2566.7	2582.6	2597.3	2618.5	2631.8	2650.4	2670.3
20°	2463.1	2481.7	2497.6	2513.5	2534.8	2550.7	2568.0	2589.3	2603.9	2622.5	2638.4
22.5°	2421.9	2439.2	2456.4	2475.0	2496.3	2509.5	2529.5	2548.1	2564.0	2581.3	2597.3
25°	2368.7	2390.0	2403.3	2420.5	2437.8	2452.4	2473.7	2492.3	2505.6	2521.5	2536.1
27.5°	2306.3	2322.3	2332.9	2347.5	2364.7	2378.0	2393.9	2412.6	2425.9	2440.5	2451.1
30°	2200.0	2214.6	2223.9	2234.5	2251.8	2263.8	2277.1	2294.3	2303.6	2314.3	2323.6
32.5°	2060.5	2072.5	2077.8	2085.8	2097.7	2109.7	2120.3	2134.9	2138.9	2145.5	2145.5
35°	1858.6	1861.2	1859.9	1862.6	1867.9	1874.5	1883.8	1893.1	1898.4	1898.4	1894.5
37.5°	1622.1	1606.2	1588.9	1575.6	1571.6	1569.0	1574.3	1578.2	1583.6	1586.2	1579.6
40°	1376.4	1340.5	1301.9	1267.4	1243.5	1232.9	1228.9	1231.5	1231.5	1240.8	1240.8
42.5°	1165.1	1109.3	1052.2	1000.4	965.8	939.3	927.3	927.3	928.6	935.3	939.3
45°	989.8	919.3	852.9	795.8	747.9	713.4	697.5	693.5	692.2	694.8	704.1
47.5°	855.6	782.5	713.4	643.0	592.5	558.0	543.4	538.0	532.7	538.0	539.4
50°	750.6	674.9	601.8	531.4	478.3	447.7	429.1	421.1	419.8	419.8	422.5
52.5°	654.9	584.6	511.5	439.8	383.9	354.7	337.4	333.5	328.1	333.5	333.5
55°	564.6	494.2	422.5	354.7	308.2	277.7	261.7	256.4	253.7	257.7	257.7
57.5°	466.3	406.5	340.1	279.0	232.5	211.2	199.3	192.6	191.3	194.0	191.3
60°	382.6	332.1	275.0	219.2	183.4	160.8	151.5	148.8	146.1	148.8	148.8
62.5°	302.9	260.4	213.9	171.4	140.8	124.9	114.2	114.2	112.9	112.9	114.2
65°	224.5	191.3	158.1	122.2	98.3	86.3	78.4	78.4	77.0	78.4	77.0
67.5°	163.4	140.8	114.2	89.0	70.4	63.8	58.5	54.5	57.1	54.5	53.2
70°	119.6	100.9	82.4	67.8	54.5	47.8	43.9	42.5	39.9	39.9	39.9
72.5°	79.7	67.8	55.8	43.9	35.9	29.2	27.9	25.3	22.6	23.9	26.6
75°	53.2	45.2	39.9	31.9	23.9	23.9	16.0	16.0	13.3	16.0	12.0
77.5°	37.2	30.6	23.9	19.9	16.0	14.6	10.6	10.6	9.3	9.3	9.3
80°	26.6	22.6	17.3	14.6	10.6	10.6	9.3	8.0	6.6	6.6	8.0
82.5°	16.0	12.0	12.0	10.6	6.6	5.3	4.0	5.3	2.7	2.7	2.7
85°	9.3	8.0	6.6	4.0	2.7	2.7	1.3	0.0	1.3	1.3	0.0
87.5°	5.3	2.7	2.7	1.3	0.0	1.3	1.3	0.0	0.0	0.0	2.7
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°	2720.8	2720.8	2720.8	2720.8	2720.8	2720.8	2720.8	2720.8	2720.8	2720.8	2720.8
2.5°	2736.7	2735.4	2738.1	2738.1	2746.0	2744.7	2748.7	2748.7	2746.0	2747.4	2752.7
5°	2746.0	2750.0	2758.0	2764.6	2776.6	2781.9	2788.5	2795.2	2796.5	2800.5	2804.5
7.5°	2746.0	2759.3	2768.6	2780.5	2796.5	2805.8	2820.4	2832.4	2837.7	2844.3	2852.3
10°	2740.7	2754.0	2771.3	2784.5	2804.5	2819.1	2833.7	2852.3	2860.3	2870.9	2881.5
12.5°	2730.1	2744.7	2763.3	2780.5	2803.1	2816.4	2835.0	2852.3	2864.3	2878.9	2890.8
15°	2714.2	2731.4	2748.7	2765.9	2789.8	2805.8	2823.1	2843.0	2855.0	2870.9	2881.5
17.5°	2688.9	2707.5	2723.5	2739.4	2762.0	2780.5	2796.5	2815.1	2827.1	2840.4	2855.0
20°	2658.3	2675.6	2692.9	2706.2	2728.8	2744.7	2762.0	2779.2	2788.5	2791.2	2813.8
22.5°	2619.8	2631.8	2645.0	2666.3	2679.6	2694.2	2710.2	2726.1	2735.4	2750.0	2758.0
25°	2556.0	2568.0	2582.6	2591.9	2607.9	2619.8	2635.8	2653.0	2658.3	2669.0	2676.9
27.5°	2467.1	2473.7	2480.3	2488.3	2497.6	2504.2	2513.5	2521.5	2526.8	2532.1	2537.4
30°	2326.2	2326.2	2326.2	2320.9	2324.9	2328.9	2330.2	2328.9	2328.9	2327.6	2327.6
32.5°	2140.2	2129.6	2117.6	2107.0	2103.0	2097.7	2095.1	2091.1	2084.4	2080.5	2081.8
35°	1889.1	1865.2	1850.6	1837.3	1826.7	1818.7	1814.7	1810.8	1809.4	1804.1	1798.8
37.5°	1575.6	1558.3	1547.7	1539.7	1530.5	1522.5	1523.8	1525.1	1529.1	1526.5	1527.8
40°	1243.5	1239.5	1243.5	1234.2	1231.5	1234.2	1240.8	1250.2	1255.5	1260.8	1270.1
42.5°	945.9	952.5	961.9	961.9	965.8	971.2	979.1	993.7	1001.7	1011.0	1021.6
45°	712.1	720.1	732.0	736.0	738.7	745.3	754.6	766.5	771.8	779.8	789.1
47.5°	548.7	554.0	560.6	567.3	573.9	576.6	585.9	585.9	592.5	597.8	600.5
50°	427.8	433.1	438.4	442.4	445.1	449.1	451.7	455.7	457.0	459.7	461.0
52.5°	334.8	341.4	341.4	344.1	348.1	352.0	350.7	352.0	353.4	353.4	357.4
55°	261.7	261.7	265.7	265.7	268.4	267.0	268.4	268.4	268.4	268.4	269.7
57.5°	195.3	196.6	200.6	198.0	196.6	199.3	196.6	199.3	198.0	200.6	196.6
60°	150.1	150.1	151.5	151.5	152.8	152.8	152.8	151.5	151.5	150.1	150.1
62.5°	112.9	114.2	115.6	114.2	114.2	114.2	112.9	112.9	111.6	110.2	110.2
65°	75.7	74.4	77.0	74.4	75.7	75.7	74.4	75.7	71.7	73.1	71.7
67.5°	54.5	53.2	51.8	53.2	51.8	50.5	50.5	51.8	53.2	49.2	49.2
70°	35.9	37.2	35.9	37.2	38.6	38.6	37.2	35.9	37.2	34.6	35.9
72.5°	22.6	22.6	22.6	22.6	22.6	23.9	23.9	23.9	21.3	21.3	19.9
75°	10.6	14.6	12.0	10.6	14.6	14.6	13.3	13.3	12.0	12.0	12.0
77.5°	10.6	8.0	8.0	8.0	8.0	8.0	8.0	8.0	6.6	8.0	6.6
80°	5.3	5.3	5.3	4.0	5.3	5.3	6.6	5.3	5.3	4.0	6.6
82.5°	2.7	2.7	2.7	0.0	1.3	2.7	2.7	1.3	2.7	2.7	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: P248875

CATALOG NUMBER: LSR8B60D010 EC8B60830 8LBSW0B

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	2720.8	2720.8	2720.8	2720.8	2720.8	2720.8	2720.8	2720.8	2720.8	2720.8	2720.8
2.5°	2751.3	2750.0	2751.3	2752.7	2751.3	2750.0	2751.3	2752.7	2747.4	2746.0	2748.7
5°	2809.8	2809.8	2812.4	2813.8	2812.4	2809.8	2809.8	2804.5	2800.5	2796.5	2795.2
7.5°	2860.3	2863.0	2865.6	2866.9	2865.6	2863.0	2860.3	2852.3	2844.3	2837.7	2832.4
10°	2890.8	2894.8	2900.1	2902.8	2900.1	2894.8	2890.8	2881.5	2870.9	2860.3	2852.3
12.5°	2904.1	2908.1	2914.7	2913.4	2914.7	2908.1	2904.1	2890.8	2878.9	2864.3	2852.3
15°	2894.8	2900.1	2906.8	2909.4	2906.8	2900.1	2894.8	2881.5	2870.9	2855.0	2843.0
17.5°	2865.6	2873.6	2877.6	2881.5	2877.6	2873.6	2865.6	2855.0	2840.4	2827.1	2815.1
20°	2825.7	2831.1	2836.4	2837.7	2836.4	2831.1	2825.7	2813.8	2791.2	2788.5	2779.2
22.5°	2768.6	2772.6	2784.5	2780.5	2784.5	2772.6	2768.6	2758.0	2750.0	2735.4	2726.1
25°	2686.2	2690.2	2691.6	2692.9	2691.6	2690.2	2686.2	2676.9	2669.0	2658.3	2653.0
27.5°	2544.1	2544.1	2546.7	2548.1	2546.7	2544.1	2544.1	2537.4	2532.1	2526.8	2521.5
30°	2328.9	2328.9	2328.9	2335.5	2328.9	2328.9	2328.9	2327.6	2327.6	2328.9	2328.9
32.5°	2080.5	2077.8	2075.1	2077.8	2075.1	2077.8	2080.5	2081.8	2080.5	2084.4	2091.1
35°	1798.8	1797.5	1801.5	1796.2	1801.5	1797.5	1798.8	1798.8	1804.1	1809.4	1810.8
37.5°	1529.1	1526.5	1531.8	1526.5	1531.8	1526.5	1529.1	1527.8	1526.5	1529.1	1525.1
40°	1272.7	1275.4	1275.4	1286.0	1275.4	1275.4	1272.7	1270.1	1260.8	1255.5	1250.2
42.5°	1026.9	1034.9	1032.2	1040.2	1032.2	1034.9	1026.9	1021.6	1011.0	1001.7	993.7
45°	794.4	799.8	799.8	802.4	799.8	799.8	794.4	789.1	779.8	771.8	766.5
47.5°	609.8	609.8	609.8	611.1	609.8	609.8	609.8	600.5	597.8	592.5	585.9
50°	463.7	465.0	466.3	467.6	466.3	465.0	463.7	461.0	459.7	457.0	455.7
52.5°	356.0	357.4	354.7	357.4	354.7	357.4	356.0	357.4	353.4	353.4	352.0
55°	269.7	268.4	269.7	271.0	269.7	268.4	269.7	269.7	268.4	268.4	268.4
57.5°	198.0	195.3	195.3	195.3	195.3	195.3	198.0	196.6	200.6	198.0	199.3
60°	147.5	148.8	148.8	150.1	148.8	148.8	147.5	150.1	150.1	151.5	151.5
62.5°	108.9	112.9	110.2	112.9	110.2	112.9	108.9	110.2	110.2	111.6	112.9
65°	70.4	70.4	70.4	71.7	70.4	70.4	70.4	71.7	73.1	71.7	75.7
67.5°	47.8	49.2	51.8	50.5	51.8	49.2	47.8	49.2	49.2	53.2	51.8
70°	38.6	34.6	34.6	38.6	34.6	34.6	38.6	35.9	34.6	37.2	35.9
72.5°	22.6	19.9	22.6	22.6	22.6	19.9	22.6	19.9	21.3	21.3	23.9
75°	12.0	10.6	9.3	13.3	9.3	10.6	12.0	12.0	12.0	12.0	13.3
77.5°	8.0	6.6	9.3	9.3	9.3	6.6	8.0	6.6	8.0	6.6	8.0
80°	4.0	5.3	4.0	6.6	4.0	5.3	4.0	6.6	4.0	5.3	5.3
82.5°	1.3	2.7	2.7	2.7	2.7	2.7	1.3	1.3	2.7	2.7	1.3
85°	0.0	2.7	1.3	1.3	1.3	2.7	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: P248875

CATALOG NUMBER: LSR8B60D010 EC8B60830 8LBSW0B

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	2720.8	2720.8	2720.8	2720.8	2720.8	2720.8	2720.8	2720.8	2720.8	2720.8	2720.8
2.5°	2748.7	2744.7	2746.0	2738.1	2738.1	2735.4	2736.7	2730.1	2727.5	2724.8	2728.8
5°	2788.5	2781.9	2776.6	2764.6	2758.0	2750.0	2746.0	2735.4	2726.1	2718.1	2716.8
7.5°	2820.4	2805.8	2796.5	2780.5	2768.6	2759.3	2746.0	2731.4	2719.5	2708.8	2700.9
10°	2833.7	2819.1	2804.5	2784.5	2771.3	2754.0	2740.7	2722.1	2706.2	2691.6	2682.2
12.5°	2835.0	2816.4	2803.1	2780.5	2763.3	2744.7	2730.1	2708.8	2690.2	2675.6	2661.0
15°	2823.1	2805.8	2789.8	2765.9	2748.7	2731.4	2714.2	2691.6	2674.3	2657.0	2646.4
17.5°	2796.5	2780.5	2762.0	2739.4	2723.5	2707.5	2688.9	2670.3	2650.4	2631.8	2618.5
20°	2762.0	2744.7	2728.8	2706.2	2692.9	2675.6	2658.3	2638.4	2622.5	2603.9	2589.3
22.5°	2710.2	2694.2	2679.6	2666.3	2645.0	2631.8	2619.8	2597.3	2581.3	2564.0	2548.1
25°	2635.8	2619.8	2607.9	2591.9	2582.6	2568.0	2556.0	2536.1	2521.5	2505.6	2492.3
27.5°	2513.5	2504.2	2497.6	2488.3	2480.3	2473.7	2467.1	2451.1	2440.5	2425.9	2412.6
30°	2330.2	2328.9	2324.9	2320.9	2326.2	2326.2	2326.2	2323.6	2314.3	2303.6	2294.3
32.5°	2095.1	2097.7	2103.0	2107.0	2117.6	2129.6	2140.2	2145.5	2145.5	2138.9	2134.9
35°	1814.7	1818.7	1826.7	1837.3	1850.6	1865.2	1889.1	1894.5	1898.4	1898.4	1893.1
37.5°	1523.8	1522.5	1530.5	1539.7	1547.7	1558.3	1575.6	1579.6	1586.2	1583.6	1578.2
40°	1240.8	1234.2	1231.5	1234.2	1243.5	1239.5	1243.5	1240.8	1240.8	1231.5	1231.5
42.5°	979.1	971.2	965.8	961.9	961.9	952.5	945.9	939.3	935.3	928.6	927.3
45°	754.6	745.3	738.7	736.0	732.0	720.1	712.1	704.1	694.8	692.2	693.5
47.5°	585.9	576.6	573.9	567.3	560.6	554.0	548.7	539.4	538.0	532.7	538.0
50°	451.7	449.1	445.1	442.4	438.4	433.1	427.8	422.5	419.8	419.8	421.1
52.5°	350.7	352.0	348.1	344.1	341.4	341.4	334.8	333.5	333.5	328.1	333.5
55°	268.4	267.0	268.4	265.7	265.7	261.7	261.7	257.7	257.7	253.7	256.4
57.5°	196.6	199.3	196.6	198.0	200.6	196.6	195.3	191.3	194.0	191.3	192.6
60°	152.8	152.8	152.8	151.5	151.5	150.1	150.1	148.8	148.8	146.1	148.8
62.5°	112.9	114.2	114.2	114.2	115.6	114.2	112.9	114.2	112.9	112.9	114.2
65°	74.4	75.7	75.7	74.4	77.0	74.4	75.7	77.0	78.4	77.0	78.4
67.5°	50.5	50.5	51.8	53.2	51.8	53.2	54.5	53.2	54.5	57.1	54.5
70°	37.2	38.6	38.6	37.2	35.9	37.2	35.9	39.9	39.9	39.9	42.5
72.5°	23.9	23.9	22.6	22.6	22.6	22.6	22.6	26.6	23.9	22.6	25.3
75°	13.3	14.6	14.6	10.6	12.0	14.6	10.6	12.0	16.0	13.3	16.0
77.5°	8.0	8.0	8.0	8.0	8.0	8.0	10.6	9.3	9.3	9.3	10.6
80°	6.6	5.3	5.3	4.0	5.3	5.3	5.3	8.0	6.6	6.6	8.0
82.5°	2.7	2.7	1.3	0.0	2.7	2.7	2.7	2.7	2.7	2.7	5.3
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	2.7	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: P248875

CATALOG NUMBER: LSR8B60D010 EC8B60830 8LBSW0B

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	2720.8	2720.8	2720.8	2720.8	2720.8	2720.8	2720.8	2720.8	2720.8	2720.8	2720.8
2.5°	2718.1	2718.1	2716.8	2714.2	2708.8	2708.8	2707.5	2703.5	2700.9	2699.5	2699.5
5°	2704.8	2699.5	2694.2	2679.6	2679.6	2676.9	2669.0	2663.6	2661.0	2654.3	2651.7
7.5°	2692.9	2676.9	2667.6	2658.3	2646.4	2641.1	2631.8	2627.8	2618.5	2611.9	2607.9
10°	2663.6	2653.0	2641.1	2626.5	2617.2	2606.6	2595.9	2588.0	2576.0	2569.3	2564.0
12.5°	2643.7	2627.8	2617.2	2601.2	2585.3	2576.0	2561.4	2552.1	2540.1	2526.8	2518.8
15°	2625.1	2607.9	2593.3	2576.0	2558.7	2548.1	2530.8	2520.2	2502.9	2489.6	2480.3
17.5°	2597.3	2582.6	2566.7	2545.4	2529.5	2516.2	2497.6	2484.3	2468.4	2451.1	2441.8
20°	2568.0	2550.7	2534.8	2513.5	2497.6	2481.7	2463.1	2448.5	2429.8	2413.9	2403.3
22.5°	2529.5	2509.5	2496.3	2475.0	2456.4	2439.2	2421.9	2404.6	2387.3	2374.0	2362.1
25°	2473.7	2452.4	2437.8	2420.5	2403.3	2390.0	2368.7	2358.1	2340.8	2328.9	2316.9
27.5°	2393.9	2378.0	2364.7	2347.5	2332.9	2322.3	2306.3	2295.7	2281.0	2270.4	2261.1
30°	2277.1	2263.8	2251.8	2234.5	2223.9	2214.6	2200.0	2190.7	2180.1	2168.1	2165.5
32.5°	2120.3	2109.7	2097.7	2085.8	2077.8	2072.5	2060.5	2055.2	2044.6	2037.9	2031.3
35°	1883.8	1874.5	1867.9	1862.6	1859.9	1861.2	1858.6	1863.9	1866.5	1865.2	1866.5
37.5°	1574.3	1569.0	1571.6	1575.6	1588.9	1606.2	1622.1	1646.0	1662.0	1677.9	1692.5
40°	1228.9	1232.9	1243.5	1267.4	1301.9	1340.5	1376.4	1421.5	1466.7	1498.6	1527.8
42.5°	927.3	939.3	965.8	1000.4	1052.2	1109.3	1165.1	1231.5	1286.0	1339.1	1376.4
45°	697.5	713.4	747.9	795.8	852.9	919.3	989.8	1064.1	1129.2	1183.7	1224.9
47.5°	543.4	558.0	592.5	643.0	713.4	782.5	855.6	932.6	1000.4	1053.5	1089.4
50°	429.1	447.7	478.3	531.4	601.8	674.9	750.6	826.3	890.1	935.3	967.2
52.5°	337.4	354.7	383.9	439.8	511.5	584.6	654.9	729.4	785.1	829.0	850.3
55°	261.7	277.7	308.2	354.7	422.5	494.2	564.6	628.4	680.2	712.1	732.0
57.5°	199.3	211.2	232.5	279.0	340.1	406.5	466.3	530.1	570.0	592.5	605.8
60°	151.5	160.8	183.4	219.2	275.0	332.1	382.6	430.5	462.3	480.9	494.2
62.5°	114.2	124.9	140.8	171.4	213.9	260.4	302.9	338.8	365.3	377.3	386.6
65°	78.4	86.3	98.3	122.2	158.1	191.3	224.5	251.1	268.4	281.7	287.0
67.5°	58.5	63.8	70.4	89.0	114.2	140.8	163.4	182.0	200.6	205.9	215.2
70°	43.9	47.8	54.5	67.8	82.4	100.9	119.6	130.2	143.5	152.8	155.5
72.5°	27.9	29.2	35.9	43.9	55.8	67.8	79.7	89.0	97.0	102.3	104.9
75°	16.0	23.9	23.9	31.9	39.9	45.2	53.2	59.8	63.8	67.8	67.8
77.5°	10.6	14.6	16.0	19.9	23.9	30.6	37.2	41.2	45.2	46.5	46.5
80°	9.3	10.6	10.6	14.6	17.3	22.6	26.6	27.9	30.6	31.9	34.6
82.5°	4.0	5.3	6.6	10.6	12.0	12.0	16.0	17.3	19.9	21.3	21.3
85°	1.3	2.7	2.7	4.0	6.6	8.0	9.3	10.6	12.0	12.0	13.3
87.5°	1.3	1.3	0.0	1.3	2.7	2.7	5.3	5.3	5.3	8.0	8.0
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: P248875

CATALOG NUMBER: LSR8B60D010 EC8B60830 8LBSW0B

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	2720.8	2720.8	2720.8	2720.8	2720.8	2720.8	2720.8
2.5°	2696.9	2698.2	2692.9	2691.6	2688.9	2690.2	2692.9
5°	2647.7	2649.0	2643.7	2638.4	2638.4	2637.1	2638.4
7.5°	2601.2	2602.6	2594.6	2591.9	2586.6	2588.0	2588.0
10°	2554.7	2554.7	2542.8	2541.4	2537.4	2536.1	2536.1
12.5°	2509.5	2505.6	2496.3	2491.0	2493.6	2485.6	2485.6
15°	2469.7	2463.1	2451.1	2447.1	2440.5	2437.8	2437.8
17.5°	2428.5	2423.2	2412.6	2404.6	2396.6	2395.3	2396.6
20°	2388.6	2383.3	2370.0	2364.7	2358.1	2358.1	2355.4
22.5°	2348.8	2343.5	2331.6	2327.6	2318.3	2318.3	2319.6
25°	2307.6	2303.6	2290.3	2287.7	2286.4	2281.0	2283.7
27.5°	2251.8	2249.1	2238.5	2234.5	2229.2	2227.9	2230.6
30°	2149.5	2145.5	2137.6	2133.6	2124.3	2125.6	2128.2
32.5°	2022.0	2016.7	2006.0	2002.0	1994.1	1991.4	1992.7
35°	1862.6	1858.6	1849.3	1849.3	1841.3	1838.6	1841.3
37.5°	1700.5	1704.5	1700.5	1704.5	1700.5	1699.1	1700.5
40°	1547.7	1562.3	1565.0	1579.6	1574.3	1582.2	1580.9
42.5°	1401.6	1425.5	1434.8	1446.7	1444.1	1449.4	1453.4
45°	1254.1	1274.0	1283.3	1291.3	1292.6	1295.3	1296.6
47.5°	1114.6	1130.6	1131.9	1141.2	1139.9	1139.9	1143.8
50°	984.4	995.1	997.7	1004.4	999.0	996.4	997.7
52.5°	863.5	874.2	871.5	874.2	867.5	864.9	866.2
55°	740.0	745.3	745.3	745.3	737.3	737.3	737.3
57.5°	613.8	615.1	612.4	613.8	612.4	604.5	603.1
60°	498.2	498.2	496.8	498.2	494.2	490.2	490.2
62.5°	389.2	391.9	397.2	391.9	389.2	391.9	387.9
65°	291.0	296.3	294.9	297.6	296.3	296.3	293.6
67.5°	219.2	220.5	221.8	223.2	223.2	223.2	223.2
70°	160.8	164.8	163.4	163.4	163.4	163.4	171.4
72.5°	107.6	112.9	111.6	114.2	114.2	116.9	114.2
75°	73.1	78.4	75.7	79.7	78.4	75.7	82.4
77.5°	49.2	51.8	53.2	54.5	53.2	51.8	53.2
80°	34.6	37.2	35.9	37.2	37.2	37.2	38.6
82.5°	21.3	25.3	23.9	25.3	23.9	25.3	25.3
85°	14.6	16.0	13.3	16.0	14.6	14.6	17.3
87.5°	9.3	8.0	8.0	9.3	8.0	9.3	8.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)