

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: P248957

Luminaire Tested: **LSR8B70D010 EC8B70927 8LBSW0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248957
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: LSR8B70D010 EC8B70927 8LBSW0B
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT- CYLINDEC
97 CRI 2700 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4505.6 lumens
Efficiency: N/A
Efficacy: 59.4 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

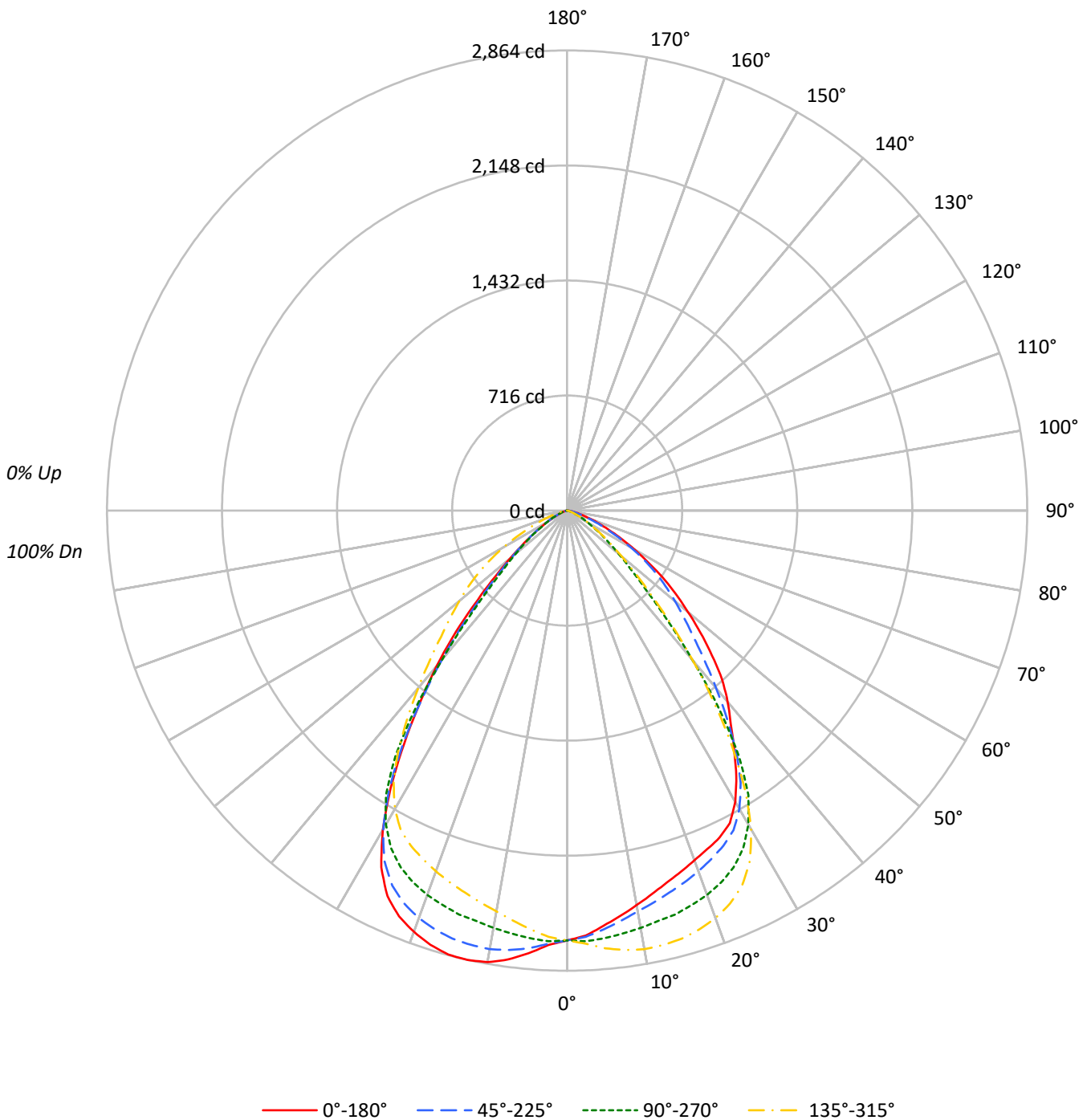
Input Watts (W): 75.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	254.6	5.7
10°-20°	737.3	16.4
20°-30°	1116.4	24.8
30°-40°	1118.9	24.8
40°-50°	702.6	15.6
50°-60°	374.4	8.3
60°-70°	154.0	3.4
70°-80°	40.7	0.9
80°-90°	6.9	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°	2108.2	46.8
0°-40°	3227.1	71.6
0°-60°	4304.1	95.5
0°-90°	4505.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4505.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2675	2675	2675	2675	2675	
5°	2594	2671	2766	2671	2594	245
15°	2397	2602	2860	2602	2397	678
25°	2245	2450	2648	2450	2245	1030
35°	1810	1861	1766	1861	1810	1134
45°	1275	682	789	682	1275	980
55°	725	252	266	252	725	646
65°	289	77	70	77	289	299
75°	81	16	13	16	81	92
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°	2674.8	2674.8	2674.8	2674.8	2674.8	2674.8	2674.8	2674.8	2674.8	2674.8	2674.8
2.5°	2647.5	2644.8	2643.5	2646.1	2647.5	2652.6	2651.4	2654.0	2654.0	2655.2	2657.8
5°	2593.9	2592.6	2593.9	2593.9	2599.1	2604.3	2603.0	2607.0	2609.5	2616.1	2618.7
7.5°	2544.3	2544.3	2543.0	2548.1	2550.8	2558.6	2557.2	2563.9	2567.8	2574.2	2583.5
10°	2493.3	2493.3	2494.6	2498.5	2499.9	2511.6	2511.6	2520.7	2526.0	2532.5	2544.3
12.5°	2443.7	2443.7	2451.5	2448.9	2454.1	2463.3	2467.1	2476.4	2484.1	2497.3	2509.0
15°	2396.6	2396.6	2399.3	2405.8	2409.8	2421.5	2428.0	2438.4	2447.7	2460.7	2477.7
17.5°	2356.2	2354.8	2356.2	2364.0	2371.8	2382.3	2387.5	2400.5	2409.8	2426.7	2442.4
20°	2315.7	2318.3	2318.3	2324.8	2330.0	2343.2	2348.3	2362.7	2373.2	2388.8	2407.2
22.5°	2280.4	2279.1	2279.1	2288.2	2292.2	2303.9	2309.2	2322.2	2333.9	2347.0	2364.0
25°	2245.2	2242.5	2247.8	2249.1	2251.7	2264.7	2268.7	2277.8	2289.6	2301.3	2318.3
27.5°	2192.8	2190.3	2191.6	2196.8	2200.7	2211.2	2213.8	2223.0	2232.1	2242.5	2257.0
30°	2092.3	2089.7	2088.5	2097.6	2101.5	2109.3	2113.2	2129.0	2131.5	2143.2	2153.7
32.5°	1959.1	1957.8	1960.4	1968.2	1972.1	1982.6	1987.9	1997.0	2003.5	2010.0	2020.5
35°	1810.2	1807.6	1810.2	1818.1	1818.1	1827.2	1831.2	1835.0	1833.8	1835.0	1832.4
37.5°	1671.8	1670.5	1671.8	1675.7	1671.8	1675.7	1671.8	1664.0	1649.6	1634.0	1618.2
40°	1554.2	1555.5	1547.8	1553.0	1538.6	1536.0	1521.6	1502.0	1473.3	1441.9	1397.5
42.5°	1428.9	1424.9	1419.8	1422.3	1410.6	1401.4	1377.9	1353.1	1316.5	1264.3	1210.7
45°	1274.7	1273.5	1270.8	1269.6	1261.7	1252.6	1232.9	1204.2	1163.7	1110.1	1046.1
47.5°	1124.6	1120.6	1120.6	1121.9	1112.7	1111.5	1095.8	1071.0	1035.7	983.5	916.9
50°	980.9	979.5	982.2	987.4	980.9	978.3	967.8	950.8	919.5	875.1	812.4
52.5°	851.5	850.3	852.9	859.4	856.8	859.4	848.9	835.9	814.9	771.9	717.1
55°	724.8	724.8	724.8	732.7	732.7	732.7	727.4	719.7	700.1	668.7	617.8
57.5°	593.0	594.2	602.1	603.4	602.1	604.7	603.4	595.6	582.5	560.4	521.1
60°	482.0	482.0	485.9	489.8	488.5	489.8	489.8	485.9	472.8	454.5	423.2
62.5°	381.4	385.3	382.6	385.3	390.5	385.3	382.6	380.0	370.9	359.2	333.0
65°	288.7	291.3	291.3	292.6	289.9	291.3	286.1	282.2	276.9	263.8	246.8
67.5°	219.5	219.5	219.5	219.5	218.1	216.8	215.6	211.6	202.5	197.2	178.9
70°	168.5	160.6	160.6	160.6	160.6	162.0	158.1	152.9	150.2	141.1	128.0
72.5°	112.3	115.0	112.3	112.3	109.7	111.0	105.8	103.2	100.6	95.4	87.5
75°	81.0	74.5	77.1	78.4	74.5	77.1	71.8	66.6	66.6	62.7	58.7
77.5°	52.2	51.0	52.2	53.6	52.2	51.0	48.4	45.7	45.7	44.4	40.5
80°	37.9	36.6	36.6	36.6	35.2	36.6	34.0	34.0	31.4	30.0	27.4
82.5°	24.9	24.9	23.5	24.9	23.5	24.9	20.9	20.9	20.9	19.6	17.0
85°	17.0	14.4	14.4	15.8	13.0	15.8	14.4	13.0	11.8	11.8	10.5
87.5°	7.9	9.1	7.9	9.1	7.9	7.9	9.1	7.9	7.9	5.2	5.2
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	2674.8	2674.8	2674.8	2674.8	2674.8	2674.8	2674.8	2674.8	2674.8	2674.8	2674.8
2.5°	2661.8	2663.1	2663.1	2668.4	2671.0	2672.2	2672.2	2682.7	2678.7	2681.4	2684.0
5°	2624.0	2631.7	2634.4	2634.4	2648.7	2654.0	2659.2	2671.0	2672.2	2680.1	2689.2
7.5°	2587.3	2596.5	2601.8	2613.5	2622.6	2631.7	2647.5	2655.2	2663.1	2673.6	2685.3
10°	2552.1	2562.5	2573.0	2582.1	2596.5	2608.2	2618.7	2637.0	2646.1	2660.5	2676.2
12.5°	2518.1	2532.5	2541.6	2557.2	2573.0	2583.5	2599.1	2616.1	2630.5	2644.8	2663.1
15°	2488.0	2505.0	2515.5	2532.5	2549.5	2563.9	2580.9	2601.8	2612.1	2629.1	2646.1
17.5°	2455.4	2473.8	2486.8	2502.5	2523.4	2539.0	2553.4	2574.2	2587.3	2605.6	2625.2
20°	2421.5	2439.8	2455.4	2471.1	2492.0	2507.6	2524.6	2545.5	2559.9	2578.2	2593.9
22.5°	2381.0	2397.9	2414.9	2433.2	2454.1	2467.1	2486.8	2505.0	2520.7	2537.7	2553.4
25°	2328.8	2349.7	2362.7	2379.6	2396.6	2411.0	2431.9	2450.1	2463.3	2478.9	2493.3
27.5°	2267.3	2283.1	2293.4	2307.8	2324.8	2337.9	2353.5	2371.8	2384.9	2399.3	2409.8
30°	2162.8	2177.2	2186.4	2196.8	2213.8	2225.6	2238.6	2255.6	2264.7	2275.2	2284.3
32.5°	2025.7	2037.5	2042.7	2050.5	2062.4	2074.0	2084.5	2098.9	2102.8	2109.3	2109.3
35°	1827.2	1829.8	1828.5	1831.2	1836.3	1842.9	1852.0	1861.2	1866.4	1866.4	1862.4
37.5°	1594.7	1579.0	1562.1	1549.0	1545.1	1542.5	1547.8	1551.6	1556.9	1559.5	1553.0
40°	1353.1	1317.8	1279.9	1245.9	1222.5	1212.1	1208.1	1210.7	1210.7	1219.8	1219.8
42.5°	1145.5	1090.6	1034.4	983.5	949.5	923.4	911.7	911.7	912.9	919.5	923.4
45°	973.0	903.8	838.5	782.3	735.3	701.3	685.7	681.8	680.5	683.1	692.2
47.5°	841.2	769.3	701.3	632.1	582.5	548.6	534.2	529.0	523.7	529.0	530.3
50°	738.0	663.5	591.6	522.4	470.1	440.1	421.9	414.0	412.8	412.8	415.4
52.5°	643.8	574.6	502.9	432.3	377.4	348.8	331.8	327.8	322.7	327.8	327.8
55°	555.1	485.9	415.4	348.8	303.0	273.0	257.3	252.1	249.4	253.4	253.4
57.5°	458.4	399.6	334.3	274.3	228.6	207.7	195.9	189.5	188.1	190.7	188.1
60°	376.2	326.6	270.3	215.6	180.2	158.1	149.0	146.2	143.7	146.2	146.2
62.5°	297.8	256.0	210.3	168.5	138.4	122.7	112.3	112.3	111.0	111.0	112.3
65°	220.7	188.1	155.4	120.2	96.6	84.9	77.1	77.1	75.7	77.1	75.7
67.5°	160.6	138.4	112.3	87.5	69.2	62.7	57.5	53.6	56.1	53.6	52.2
70°	117.6	99.2	81.0	66.6	53.6	47.0	43.1	41.7	39.2	39.2	39.2
72.5°	78.4	66.6	54.8	43.1	35.2	28.7	27.4	24.9	22.2	23.5	26.1
75°	52.2	44.4	39.2	31.4	23.5	23.5	15.8	15.8	13.0	15.8	11.8
77.5°	36.6	30.0	23.5	19.6	15.8	14.4	10.5	10.5	9.1	9.1	9.1
80°	26.1	22.2	17.0	14.4	10.5	10.5	9.1	7.9	6.5	6.5	7.9
82.5°	15.8	11.8	11.8	10.5	6.5	5.2	3.9	5.2	2.6	2.6	2.6
85°	9.1	7.9	6.5	3.9	2.6	2.6	1.2	0.0	1.2	1.2	0.0
87.5°	5.2	2.6	2.6	1.2	0.0	1.2	1.2	0.0	0.0	0.0	2.6
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	2674.8	2674.8	2674.8	2674.8	2674.8	2674.8	2674.8	2674.8	2674.8	2674.8	2674.8
2.5°	2690.5	2689.2	2691.8	2691.8	2699.7	2698.3	2702.2	2702.2	2699.7	2701.0	2706.2
5°	2699.7	2703.6	2711.4	2718.0	2729.7	2735.0	2741.4	2748.0	2749.3	2753.2	2757.2
7.5°	2699.7	2712.7	2721.9	2733.6	2749.3	2758.4	2772.8	2784.6	2789.8	2796.3	2804.2
10°	2694.4	2707.4	2724.4	2737.6	2757.2	2771.5	2785.8	2804.2	2811.9	2822.4	2832.9
12.5°	2684.0	2698.3	2716.6	2733.6	2755.8	2768.8	2787.2	2804.2	2815.9	2830.3	2842.1
15°	2668.4	2685.3	2702.2	2719.2	2742.8	2758.4	2775.4	2795.0	2806.8	2822.4	2832.9
17.5°	2643.5	2661.8	2677.5	2693.1	2715.3	2733.6	2749.3	2767.6	2779.3	2792.4	2806.8
20°	2613.5	2630.5	2647.5	2660.5	2682.7	2698.3	2715.3	2732.3	2741.4	2744.1	2766.3
22.5°	2575.6	2587.3	2600.4	2621.2	2634.4	2648.7	2664.5	2680.1	2689.2	2703.6	2711.4
25°	2512.9	2524.6	2539.0	2548.1	2563.9	2575.6	2591.2	2608.2	2613.5	2624.0	2631.7
27.5°	2425.4	2431.9	2438.4	2446.3	2455.4	2462.0	2471.1	2478.9	2484.1	2489.4	2494.6
30°	2286.9	2286.9	2286.9	2281.7	2285.7	2289.6	2290.8	2289.6	2289.6	2288.2	2288.2
32.5°	2104.1	2093.6	2081.9	2071.5	2067.5	2062.4	2059.6	2055.7	2049.3	2045.4	2046.6
35°	1857.3	1833.8	1819.4	1806.3	1795.8	1788.1	1784.1	1780.2	1778.8	1773.7	1768.4
37.5°	1549.0	1532.0	1521.6	1513.8	1504.6	1496.8	1498.0	1499.4	1503.2	1500.6	1502.0
40°	1222.5	1218.6	1222.5	1213.3	1210.7	1213.3	1219.8	1229.1	1234.2	1239.5	1248.6
42.5°	929.9	936.4	945.7	945.7	949.5	954.8	962.6	977.0	984.7	993.9	1004.4
45°	700.1	707.8	719.7	723.6	726.2	732.7	741.8	753.6	758.8	766.7	775.8
47.5°	539.4	544.6	551.1	557.7	564.2	566.9	576.0	576.0	582.5	587.7	590.3
50°	420.5	425.8	431.0	434.9	437.5	441.4	444.0	448.0	449.2	451.9	453.2
52.5°	329.1	335.7	335.7	338.3	342.2	346.0	344.8	346.0	347.4	347.4	351.3
55°	257.3	257.3	261.2	261.2	263.8	262.5	263.8	263.8	263.8	263.8	265.2
57.5°	191.9	193.3	197.2	194.6	193.3	195.9	193.3	195.9	194.6	197.2	193.3
60°	147.6	147.6	149.0	149.0	150.2	150.2	150.2	149.0	149.0	147.6	147.6
62.5°	111.0	112.3	113.6	112.3	112.3	112.3	111.0	111.0	109.7	108.3	108.3
65°	74.5	73.1	75.7	73.1	74.5	74.5	73.1	74.5	70.5	71.8	70.5
67.5°	53.6	52.2	51.0	52.2	51.0	49.6	49.6	51.0	52.2	48.4	48.4
70°	35.2	36.6	35.2	36.6	37.9	37.9	36.6	35.2	36.6	34.0	35.2
72.5°	22.2	22.2	22.2	22.2	22.2	23.5	23.5	23.5	20.9	20.9	19.6
75°	10.5	14.4	11.8	10.5	14.4	14.4	13.0	13.0	11.8	11.8	11.8
77.5°	10.5	7.9	7.9	7.9	7.9	7.9	7.9	7.9	6.5	7.9	6.5
80°	5.2	5.2	5.2	3.9	5.2	5.2	6.5	5.2	5.2	3.9	6.5
82.5°	2.6	2.6	2.6	0.0	1.2	2.6	2.6	1.2	2.6	2.6	1.2
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: P248957

CATALOG NUMBER: LSR8B70D010 EC8B70927 8LBSW0B

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	2674.8	2674.8	2674.8	2674.8	2674.8	2674.8	2674.8	2674.8	2674.8	2674.8	2674.8
2.5°	2705.0	2703.6	2705.0	2706.2	2705.0	2703.6	2705.0	2706.2	2701.0	2699.7	2702.2
5°	2762.3	2762.3	2764.9	2766.3	2764.9	2762.3	2762.3	2757.2	2753.2	2749.3	2748.0
7.5°	2811.9	2814.6	2817.2	2818.5	2817.2	2814.6	2811.9	2804.2	2796.3	2789.8	2784.6
10°	2842.1	2845.9	2851.2	2853.8	2851.2	2845.9	2842.1	2832.9	2822.4	2811.9	2804.2
12.5°	2855.1	2859.1	2865.5	2864.2	2865.5	2859.1	2855.1	2842.1	2830.3	2815.9	2804.2
15°	2845.9	2851.2	2857.7	2860.3	2857.7	2851.2	2845.9	2832.9	2822.4	2806.8	2795.0
17.5°	2817.2	2825.1	2828.9	2832.9	2828.9	2825.1	2817.2	2806.8	2792.4	2779.3	2767.6
20°	2778.0	2783.2	2788.5	2789.8	2788.5	2783.2	2778.0	2766.3	2744.1	2741.4	2732.3
22.5°	2721.9	2725.8	2737.6	2733.6	2737.6	2725.8	2721.9	2711.4	2703.6	2689.2	2680.1
25°	2640.8	2644.8	2646.1	2647.5	2646.1	2644.8	2640.8	2631.7	2624.0	2613.5	2608.2
27.5°	2501.1	2501.1	2503.7	2505.0	2503.7	2501.1	2501.1	2494.6	2489.4	2484.1	2478.9
30°	2289.6	2289.6	2289.6	2296.1	2289.6	2289.6	2289.6	2288.2	2288.2	2289.6	2289.6
32.5°	2045.4	2042.7	2040.1	2042.7	2040.1	2042.7	2045.4	2046.6	2045.4	2049.3	2055.7
35°	1768.4	1767.2	1771.1	1765.8	1771.1	1767.2	1768.4	1768.4	1773.7	1778.8	1780.2
37.5°	1503.2	1500.6	1505.9	1500.6	1505.9	1500.6	1503.2	1502.0	1500.6	1503.2	1499.4
40°	1251.2	1253.8	1253.8	1264.3	1253.8	1253.8	1251.2	1248.6	1239.5	1234.2	1229.1
42.5°	1009.6	1017.4	1014.9	1022.6	1014.9	1017.4	1009.6	1004.4	993.9	984.7	977.0
45°	781.0	786.3	786.3	788.8	786.3	786.3	781.0	775.8	766.7	758.8	753.6
47.5°	599.5	599.5	599.5	600.9	599.5	599.5	599.5	590.3	587.7	582.5	576.0
50°	455.8	457.1	458.4	459.8	458.4	457.1	455.8	453.2	451.9	449.2	448.0
52.5°	350.0	351.3	348.8	351.3	348.8	351.3	350.0	351.3	347.4	347.4	346.0
55°	265.2	263.8	265.2	266.4	265.2	263.8	265.2	265.2	263.8	263.8	263.8
57.5°	194.6	191.9	191.9	191.9	191.9	191.9	194.6	193.3	197.2	194.6	195.9
60°	145.0	146.2	146.2	147.6	146.2	146.2	145.0	147.6	147.6	149.0	149.0
62.5°	107.1	111.0	108.3	111.0	108.3	111.0	107.1	108.3	108.3	109.7	111.0
65°	69.2	69.2	69.2	70.5	69.2	69.2	69.2	70.5	71.8	70.5	74.5
67.5°	47.0	48.4	51.0	49.6	51.0	48.4	47.0	48.4	48.4	52.2	51.0
70°	37.9	34.0	34.0	37.9	34.0	34.0	37.9	35.2	34.0	36.6	35.2
72.5°	22.2	19.6	22.2	22.2	22.2	19.6	22.2	19.6	20.9	20.9	23.5
75°	11.8	10.5	9.1	13.0	9.1	10.5	11.8	11.8	11.8	11.8	13.0
77.5°	7.9	6.5	9.1	9.1	9.1	6.5	7.9	6.5	7.9	6.5	7.9
80°	3.9	5.2	3.9	6.5	3.9	5.2	3.9	6.5	3.9	5.2	5.2
82.5°	1.2	2.6	2.6	2.6	2.6	2.6	1.2	1.2	2.6	2.6	1.2
85°	0.0	2.6	1.2	1.2	1.2	2.6	0.0	0.0	0.0	0.0	0.0
87.5°	1.2	0.0	0.0	1.2	0.0	0.0	1.2	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: P248957

CATALOG NUMBER: LSR8B70D010 EC8B70927 8LBSW0B

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	2674.8	2674.8	2674.8	2674.8	2674.8	2674.8	2674.8	2674.8	2674.8	2674.8	2674.8
2.5°	2702.2	2698.3	2699.7	2691.8	2691.8	2689.2	2690.5	2684.0	2681.4	2678.7	2682.7
5°	2741.4	2735.0	2729.7	2718.0	2711.4	2703.6	2699.7	2689.2	2680.1	2672.2	2671.0
7.5°	2772.8	2758.4	2749.3	2733.6	2721.9	2712.7	2699.7	2685.3	2673.6	2663.1	2655.2
10°	2785.8	2771.5	2757.2	2737.6	2724.4	2707.4	2694.4	2676.2	2660.5	2646.1	2637.0
12.5°	2787.2	2768.8	2755.8	2733.6	2716.6	2698.3	2684.0	2663.1	2644.8	2630.5	2616.1
15°	2775.4	2758.4	2742.8	2719.2	2702.2	2685.3	2668.4	2646.1	2629.1	2612.1	2601.8
17.5°	2749.3	2733.6	2715.3	2693.1	2677.5	2661.8	2643.5	2625.2	2605.6	2587.3	2574.2
20°	2715.3	2698.3	2682.7	2660.5	2647.5	2630.5	2613.5	2593.9	2578.2	2559.9	2545.5
22.5°	2664.5	2648.7	2634.4	2621.2	2600.4	2587.3	2575.6	2553.4	2537.7	2520.7	2505.0
25°	2591.2	2575.6	2563.9	2548.1	2539.0	2524.6	2512.9	2493.3	2478.9	2463.3	2450.1
27.5°	2471.1	2462.0	2455.4	2446.3	2438.4	2431.9	2425.4	2409.8	2399.3	2384.9	2371.8
30°	2290.8	2289.6	2285.7	2281.7	2286.9	2286.9	2286.9	2284.3	2275.2	2264.7	2255.6
32.5°	2059.6	2062.4	2067.5	2071.5	2081.9	2093.6	2104.1	2109.3	2109.3	2102.8	2098.9
35°	1784.1	1788.1	1795.8	1806.3	1819.4	1833.8	1857.3	1862.4	1866.4	1866.4	1861.2
37.5°	1498.0	1496.8	1504.6	1513.8	1521.6	1532.0	1549.0	1553.0	1559.5	1556.9	1551.6
40°	1219.8	1213.3	1210.7	1213.3	1222.5	1218.6	1222.5	1219.8	1219.8	1210.7	1210.7
42.5°	962.6	954.8	949.5	945.7	945.7	936.4	929.9	923.4	919.5	912.9	911.7
45°	741.8	732.7	726.2	723.6	719.7	707.8	700.1	692.2	683.1	680.5	681.8
47.5°	576.0	566.9	564.2	557.7	551.1	544.6	539.4	530.3	529.0	523.7	529.0
50°	444.0	441.4	437.5	434.9	431.0	425.8	420.5	415.4	412.8	412.8	414.0
52.5°	344.8	346.0	342.2	338.3	335.7	335.7	329.1	327.8	327.8	322.7	327.8
55°	263.8	262.5	263.8	261.2	261.2	257.3	257.3	253.4	253.4	249.4	252.1
57.5°	193.3	195.9	193.3	194.6	197.2	193.3	191.9	188.1	190.7	188.1	189.5
60°	150.2	150.2	150.2	149.0	149.0	147.6	147.6	146.2	146.2	143.7	146.2
62.5°	111.0	112.3	112.3	112.3	113.6	112.3	111.0	112.3	111.0	111.0	112.3
65°	73.1	74.5	74.5	73.1	75.7	73.1	74.5	75.7	77.1	75.7	77.1
67.5°	49.6	49.6	51.0	52.2	51.0	52.2	53.6	52.2	53.6	56.1	53.6
70°	36.6	37.9	37.9	36.6	35.2	36.6	35.2	39.2	39.2	39.2	41.7
72.5°	23.5	23.5	22.2	22.2	22.2	22.2	22.2	26.1	23.5	22.2	24.9
75°	13.0	14.4	14.4	10.5	11.8	14.4	10.5	11.8	15.8	13.0	15.8
77.5°	7.9	7.9	7.9	7.9	7.9	7.9	10.5	9.1	9.1	9.1	10.5
80°	6.5	5.2	5.2	3.9	5.2	5.2	5.2	7.9	6.5	6.5	7.9
82.5°	2.6	2.6	1.2	0.0	2.6	2.6	2.6	2.6	2.6	2.6	5.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	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: P248957

CATALOG NUMBER: LSR8B70D010 EC8B70927 8LBSW0B

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	2674.8	2674.8	2674.8	2674.8	2674.8	2674.8	2674.8	2674.8	2674.8	2674.8	2674.8
2.5°	2672.2	2672.2	2671.0	2668.4	2663.1	2663.1	2661.8	2657.8	2655.2	2654.0	2654.0
5°	2659.2	2654.0	2648.7	2634.4	2634.4	2631.7	2624.0	2618.7	2616.1	2609.5	2607.0
7.5°	2647.5	2631.7	2622.6	2613.5	2601.8	2596.5	2587.3	2583.5	2574.2	2567.8	2563.9
10°	2618.7	2608.2	2596.5	2582.1	2573.0	2562.5	2552.1	2544.3	2532.5	2526.0	2520.7
12.5°	2599.1	2583.5	2573.0	2557.2	2541.6	2532.5	2518.1	2509.0	2497.3	2484.1	2476.4
15°	2580.9	2563.9	2549.5	2532.5	2515.5	2505.0	2488.0	2477.7	2460.7	2447.7	2438.4
17.5°	2553.4	2539.0	2523.4	2502.5	2486.8	2473.8	2455.4	2442.4	2426.7	2409.8	2400.5
20°	2524.6	2507.6	2492.0	2471.1	2455.4	2439.8	2421.5	2407.2	2388.8	2373.2	2362.7
22.5°	2486.8	2467.1	2454.1	2433.2	2414.9	2397.9	2381.0	2364.0	2347.0	2333.9	2322.2
25°	2431.9	2411.0	2396.6	2379.6	2362.7	2349.7	2328.8	2318.3	2301.3	2289.6	2277.8
27.5°	2353.5	2337.9	2324.8	2307.8	2293.4	2283.1	2267.3	2257.0	2242.5	2232.1	2223.0
30°	2238.6	2225.6	2213.8	2196.8	2186.4	2177.2	2162.8	2153.7	2143.2	2131.5	2129.0
32.5°	2084.5	2074.0	2062.4	2050.5	2042.7	2037.5	2025.7	2020.5	2010.0	2003.5	1997.0
35°	1852.0	1842.9	1836.3	1831.2	1828.5	1829.8	1827.2	1832.4	1835.0	1833.8	1835.0
37.5°	1547.8	1542.5	1545.1	1549.0	1562.1	1579.0	1594.7	1618.2	1634.0	1649.6	1664.0
40°	1208.1	1212.1	1222.5	1245.9	1279.9	1317.8	1353.1	1397.5	1441.9	1473.3	1502.0
42.5°	911.7	923.4	949.5	983.5	1034.4	1090.6	1145.5	1210.7	1264.3	1316.5	1353.1
45°	685.7	701.3	735.3	782.3	838.5	903.8	973.0	1046.1	1110.1	1163.7	1204.2
47.5°	534.2	548.6	582.5	632.1	701.3	769.3	841.2	916.9	983.5	1035.7	1071.0
50°	421.9	440.1	470.1	522.4	591.6	663.5	738.0	812.4	875.1	919.5	950.8
52.5°	331.8	348.8	377.4	432.3	502.9	574.6	643.8	717.1	771.9	814.9	835.9
55°	257.3	273.0	303.0	348.8	415.4	485.9	555.1	617.8	668.7	700.1	719.7
57.5°	195.9	207.7	228.6	274.3	334.3	399.6	458.4	521.1	560.4	582.5	595.6
60°	149.0	158.1	180.2	215.6	270.3	326.6	376.2	423.2	454.5	472.8	485.9
62.5°	112.3	122.7	138.4	168.5	210.3	256.0	297.8	333.0	359.2	370.9	380.0
65°	77.1	84.9	96.6	120.2	155.4	188.1	220.7	246.8	263.8	276.9	282.2
67.5°	57.5	62.7	69.2	87.5	112.3	138.4	160.6	178.9	197.2	202.5	211.6
70°	43.1	47.0	53.6	66.6	81.0	99.2	117.6	128.0	141.1	150.2	152.9
72.5°	27.4	28.7	35.2	43.1	54.8	66.6	78.4	87.5	95.4	100.6	103.2
75°	15.8	23.5	23.5	31.4	39.2	44.4	52.2	58.7	62.7	66.6	66.6
77.5°	10.5	14.4	15.8	19.6	23.5	30.0	36.6	40.5	44.4	45.7	45.7
80°	9.1	10.5	10.5	14.4	17.0	22.2	26.1	27.4	30.0	31.4	34.0
82.5°	3.9	5.2	6.5	10.5	11.8	11.8	15.8	17.0	19.6	20.9	20.9
85°	1.2	2.6	2.6	3.9	6.5	7.9	9.1	10.5	11.8	11.8	13.0
87.5°	1.2	1.2	0.0	1.2	2.6	2.6	5.2	5.2	5.2	7.9	7.9
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: P248957

CATALOG NUMBER: LSR8B70D010 EC8B70927 8LBSW0B

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	2674.8	2674.8	2674.8	2674.8	2674.8	2674.8	2674.8
2.5°	2651.4	2652.6	2647.5	2646.1	2643.5	2644.8	2647.5
5°	2603.0	2604.3	2599.1	2593.9	2593.9	2592.6	2593.9
7.5°	2557.2	2558.6	2550.8	2548.1	2543.0	2544.3	2544.3
10°	2511.6	2511.6	2499.9	2498.5	2494.6	2493.3	2493.3
12.5°	2467.1	2463.3	2454.1	2448.9	2451.5	2443.7	2443.7
15°	2428.0	2421.5	2409.8	2405.8	2399.3	2396.6	2396.6
17.5°	2387.5	2382.3	2371.8	2364.0	2356.2	2354.8	2356.2
20°	2348.3	2343.2	2330.0	2324.8	2318.3	2318.3	2315.7
22.5°	2309.2	2303.9	2292.2	2288.2	2279.1	2279.1	2280.4
25°	2268.7	2264.7	2251.7	2249.1	2247.8	2242.5	2245.2
27.5°	2213.8	2211.2	2200.7	2196.8	2191.6	2190.3	2192.8
30°	2113.2	2109.3	2101.5	2097.6	2088.5	2089.7	2092.3
32.5°	1987.9	1982.6	1972.1	1968.2	1960.4	1957.8	1959.1
35°	1831.2	1827.2	1818.1	1818.1	1810.2	1807.6	1810.2
37.5°	1671.8	1675.7	1671.8	1675.7	1671.8	1670.5	1671.8
40°	1521.6	1536.0	1538.6	1553.0	1547.8	1555.5	1554.2
42.5°	1377.9	1401.4	1410.6	1422.3	1419.8	1424.9	1428.9
45°	1232.9	1252.6	1261.7	1269.6	1270.8	1273.5	1274.7
47.5°	1095.8	1111.5	1112.7	1121.9	1120.6	1120.6	1124.6
50°	967.8	978.3	980.9	987.4	982.2	979.5	980.9
52.5°	848.9	859.4	856.8	859.4	852.9	850.3	851.5
55°	727.4	732.7	732.7	732.7	724.8	724.8	724.8
57.5°	603.4	604.7	602.1	603.4	602.1	594.2	593.0
60°	489.8	489.8	488.5	489.8	485.9	482.0	482.0
62.5°	382.6	385.3	390.5	385.3	382.6	385.3	381.4
65°	286.1	291.3	289.9	292.6	291.3	291.3	288.7
67.5°	215.6	216.8	218.1	219.5	219.5	219.5	219.5
70°	158.1	162.0	160.6	160.6	160.6	160.6	168.5
72.5°	105.8	111.0	109.7	112.3	112.3	115.0	112.3
75°	71.8	77.1	74.5	78.4	77.1	74.5	81.0
77.5°	48.4	51.0	52.2	53.6	52.2	51.0	52.2
80°	34.0	36.6	35.2	36.6	36.6	36.6	37.9
82.5°	20.9	24.9	23.5	24.9	23.5	24.9	24.9
85°	14.4	15.8	13.0	15.8	14.4	14.4	17.0
87.5°	9.1	7.9	7.9	9.1	7.9	9.1	7.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)