

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: P245915

Luminaire Tested: **LSR8B50D010 EC8B50850 8LBSW0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245915
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: LSR8B50D010 EC8B50850 8LBSW0B
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT- CYLINDEC
80 CRI 5000 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4261.0 lumens
Efficiency: N/A
Efficacy: 80.4 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

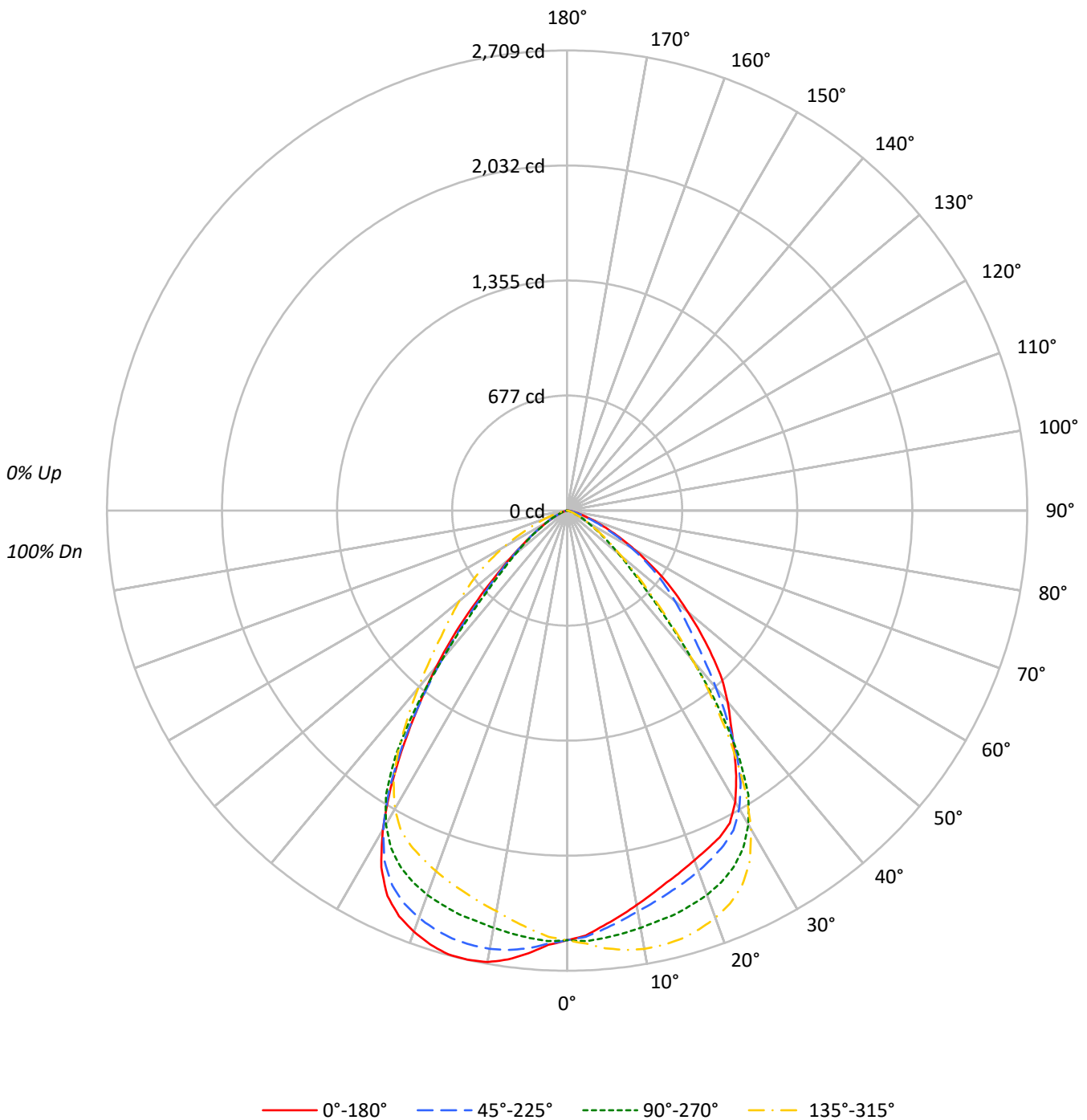
Input Watts (W): 53
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	78004	78004	78004	78004
5°	75934	78187	80979	78187
10°	73831	78086	84505	78086
15°	72356	78549	86355	78549
20°	71866	78996	86577	78996
25°	72243	78841	85186	78841
30°	70455	75953	77316	75953
35°	64447	66258	62866	66258
40°	59169	46091	48132	46091
45°	52571	28119	32532	28119
50°	44500	18781	20859	18781
55°	36853	12817	13548	12817
60°	28110	8529	8609	8529
65°	19919	5319	4867	5319
70°	14362	3561	3228	3561
75°	9126	1763	1477	1763
80°	6357	1314	1101	1314
85°	5696	0	425	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	240.8	5.7
10°-20°	697.2	16.4
20°-30°	1055.8	24.8
30°-40°	1058.1	24.8
40°-50°	664.5	15.6
50°-60°	354.1	8.3
60°-70°	145.6	3.4
70°-80°	38.5	0.9
80°-90°	6.5	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°	1993.8	46.8
0°-40°	3051.9	71.6
0°-60°	4070.4	95.5
0°-90°	4261.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4261.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2530	2530	2530	2530	2530	
5°	2453	2526	2616	2526	2453	231
15°	2266	2460	2705	2460	2266	641
25°	2123	2317	2504	2317	2123	974
35°	1712	1760	1670	1760	1712	1073
45°	1206	645	746	645	1206	927
55°	686	238	252	238	686	611
65°	273	73	67	73	273	283
75°	77	15	12	15	77	87
85°	16	0	1	0	16	18
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°	2529.6	2529.6	2529.6	2529.6	2529.6	2529.6	2529.6	2529.6	2529.6	2529.6	2529.6
2.5°	2503.7	2501.2	2500.0	2502.5	2503.7	2508.6	2507.4	2509.8	2509.8	2511.1	2513.6
5°	2453.1	2451.8	2453.1	2453.1	2458.0	2462.9	2461.7	2465.4	2467.8	2474.1	2476.5
7.5°	2406.1	2406.1	2404.9	2409.8	2412.3	2419.7	2418.4	2424.6	2428.3	2434.5	2443.1
10°	2357.9	2357.9	2359.2	2362.9	2364.1	2375.2	2375.2	2383.9	2388.8	2395.0	2406.1
12.5°	2311.0	2311.0	2318.4	2315.9	2320.9	2329.5	2333.2	2341.9	2349.3	2361.6	2372.8
15°	2266.5	2266.5	2269.0	2275.2	2278.9	2290.0	2296.2	2306.1	2314.7	2327.1	2343.1
17.5°	2228.2	2227.0	2228.2	2235.7	2243.1	2252.9	2257.9	2270.2	2278.9	2294.9	2309.8
20°	2190.0	2192.4	2192.4	2198.6	2203.5	2215.9	2220.8	2234.4	2244.3	2259.1	2276.4
22.5°	2156.6	2155.4	2155.4	2164.0	2167.7	2178.8	2183.8	2196.1	2207.2	2219.6	2235.7
25°	2123.3	2120.8	2125.7	2127.0	2129.4	2141.8	2145.5	2154.1	2165.2	2176.4	2192.4
27.5°	2073.8	2071.4	2072.6	2077.5	2081.3	2091.1	2093.6	2102.3	2110.9	2120.8	2134.4
30°	1978.7	1976.3	1975.1	1983.7	1987.4	1994.8	1998.5	2013.3	2015.8	2026.9	2036.8
32.5°	1852.7	1851.5	1854.0	1861.4	1865.1	1875.0	1879.9	1888.6	1894.7	1900.9	1910.8
35°	1712.0	1709.5	1712.0	1719.4	1719.4	1728.0	1731.7	1735.4	1734.2	1735.4	1732.9
37.5°	1581.0	1579.8	1581.0	1584.7	1581.0	1584.7	1581.0	1573.6	1560.0	1545.2	1530.4
40°	1469.9	1471.1	1463.7	1468.6	1455.0	1452.6	1439.0	1420.4	1393.3	1363.6	1321.7
42.5°	1351.3	1347.6	1342.6	1345.1	1334.0	1325.3	1303.1	1279.7	1245.0	1195.7	1145.0
45°	1205.5	1204.3	1201.8	1200.6	1193.2	1184.5	1166.0	1138.8	1100.5	1049.9	989.4
47.5°	1063.5	1059.8	1059.8	1061.0	1052.3	1051.1	1036.3	1012.8	979.5	930.1	867.1
50°	927.6	926.4	928.9	933.8	927.6	925.1	915.3	899.2	869.6	827.6	768.3
52.5°	805.3	804.1	806.6	812.7	810.2	812.7	802.9	790.5	770.7	730.0	678.1
55°	685.5	685.5	685.5	692.9	692.9	692.9	688.0	680.6	662.0	632.4	584.3
57.5°	560.8	562.0	569.4	570.6	569.4	571.9	570.6	563.2	550.9	529.9	492.8
60°	455.8	455.8	459.5	463.2	461.9	463.2	463.2	459.5	447.1	429.9	400.2
62.5°	360.7	364.4	361.9	364.4	369.3	364.4	361.9	359.4	350.8	339.7	315.0
65°	273.0	275.5	275.5	276.7	274.2	275.5	270.5	266.8	261.9	249.5	233.5
67.5°	207.5	207.5	207.5	207.5	206.3	205.0	203.8	200.1	191.5	186.5	169.2
70°	159.3	151.9	151.9	151.9	151.9	153.2	149.5	144.5	142.0	133.4	121.1
72.5°	106.2	108.7	106.2	106.2	103.8	105.0	100.1	97.6	95.1	90.2	82.8
75°	76.6	70.4	72.9	74.1	70.4	72.9	67.9	63.0	63.0	59.3	55.6
77.5°	49.4	48.2	49.4	50.6	49.4	48.2	45.7	43.2	43.2	42.0	38.3
80°	35.8	34.6	34.6	34.6	33.4	34.6	32.1	32.1	29.6	28.4	25.9
82.5°	23.5	23.5	22.2	23.5	22.2	23.5	19.8	19.8	19.8	18.5	16.1
85°	16.1	13.6	13.6	14.8	12.4	14.8	13.6	12.4	11.1	11.1	9.9
87.5°	7.4	8.6	7.4	8.6	7.4	7.4	8.6	7.4	7.4	4.9	4.9
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°	2529.6	2529.6	2529.6	2529.6	2529.6	2529.6	2529.6	2529.6	2529.6	2529.6	2529.6
2.5°	2517.3	2518.5	2518.5	2523.5	2525.9	2527.1	2527.1	2537.0	2533.3	2535.8	2538.3
5°	2481.5	2488.8	2491.3	2491.3	2504.9	2509.8	2514.8	2525.9	2527.1	2534.6	2543.2
7.5°	2446.9	2455.5	2460.5	2471.6	2480.2	2488.8	2503.7	2511.1	2518.5	2528.4	2539.5
10°	2413.5	2423.4	2433.3	2441.9	2455.5	2466.6	2476.5	2493.8	2502.5	2516.0	2530.8
12.5°	2381.4	2395.0	2403.6	2418.4	2433.3	2443.1	2458.0	2474.1	2487.6	2501.2	2518.5
15°	2353.0	2369.1	2378.9	2395.0	2411.1	2424.6	2440.7	2460.5	2470.3	2486.4	2502.5
17.5°	2322.1	2339.4	2351.8	2366.6	2386.4	2401.1	2414.8	2434.5	2446.9	2464.1	2482.7
20°	2290.0	2307.3	2322.1	2336.9	2356.7	2371.5	2387.6	2407.3	2420.9	2438.2	2453.1
22.5°	2251.7	2267.8	2283.8	2301.1	2320.9	2333.2	2351.8	2369.1	2383.9	2399.9	2414.8
25°	2202.3	2222.1	2234.4	2250.5	2266.5	2280.1	2299.9	2317.2	2329.5	2344.4	2357.9
27.5°	2144.2	2159.1	2169.0	2182.5	2198.6	2211.0	2225.7	2243.1	2255.4	2269.0	2278.9
30°	2045.4	2059.0	2067.7	2077.5	2093.6	2104.7	2117.1	2133.1	2141.8	2151.7	2160.3
32.5°	1915.7	1926.9	1931.8	1939.2	1950.3	1961.4	1971.3	1984.9	1988.6	1994.8	1994.8
35°	1728.0	1730.5	1729.2	1731.7	1736.7	1742.8	1751.5	1760.1	1765.0	1765.0	1761.4
37.5°	1508.1	1493.3	1477.3	1464.9	1461.2	1458.7	1463.7	1467.4	1472.3	1474.8	1468.6
40°	1279.7	1246.3	1210.5	1178.3	1156.1	1146.3	1142.5	1145.0	1145.0	1153.6	1153.6
42.5°	1083.3	1031.4	978.3	930.1	897.9	873.3	862.2	862.2	863.4	869.6	873.3
45°	920.2	854.7	793.0	739.9	695.4	663.3	648.5	644.8	643.5	646.0	654.6
47.5°	795.5	727.5	663.3	597.8	550.9	518.8	505.2	500.2	495.3	500.2	501.5
50°	697.9	627.5	559.6	494.1	444.7	416.2	398.9	391.5	390.3	390.3	392.8
52.5°	608.9	543.5	475.6	408.9	357.0	329.8	313.7	310.0	305.1	310.0	310.0
55°	524.9	459.5	392.8	329.8	286.5	258.2	243.3	238.4	235.9	239.6	239.6
57.5°	433.6	377.9	316.2	259.4	216.2	196.4	185.3	179.1	177.8	180.3	177.8
60°	355.7	308.8	255.7	203.8	170.5	149.5	140.8	138.3	135.8	138.3	138.3
62.5°	281.6	242.1	198.8	159.3	130.9	116.1	106.2	106.2	105.0	105.0	106.2
65°	208.8	177.8	147.0	113.6	91.4	80.3	72.9	72.9	71.6	72.9	71.6
67.5°	151.9	130.9	106.2	82.8	65.5	59.3	54.3	50.6	53.1	50.6	49.4
70°	111.2	93.9	76.6	63.0	50.6	44.5	40.8	39.5	37.1	37.1	37.1
72.5°	74.1	63.0	51.9	40.8	33.4	27.1	25.9	23.5	21.0	22.2	24.7
75°	49.4	42.0	37.1	29.6	22.2	22.2	14.8	14.8	12.4	14.8	11.1
77.5°	34.6	28.4	22.2	18.5	14.8	13.6	9.9	9.9	8.6	8.6	8.6
80°	24.7	21.0	16.1	13.6	9.9	9.9	8.6	7.4	6.2	6.2	7.4
82.5°	14.8	11.1	11.1	9.9	6.2	4.9	3.7	4.9	2.5	2.5	2.5
85°	8.6	7.4	6.2	3.7	2.5	2.5	1.2	0.0	1.2	1.2	0.0
87.5°	4.9	2.5	2.5	1.2	0.0	1.2	1.2	0.0	0.0	0.0	2.5
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°	2529.6	2529.6	2529.6	2529.6	2529.6	2529.6	2529.6	2529.6	2529.6	2529.6	2529.6
2.5°	2544.5	2543.2	2545.7	2545.7	2553.1	2551.8	2555.5	2555.5	2553.1	2554.3	2559.3
5°	2553.1	2556.8	2564.2	2570.4	2581.5	2586.5	2592.6	2598.8	2600.0	2603.7	2607.5
7.5°	2553.1	2565.5	2574.1	2585.2	2600.0	2608.7	2622.3	2633.4	2638.3	2644.5	2651.9
10°	2548.1	2560.5	2576.5	2588.9	2607.5	2621.0	2634.6	2651.9	2659.3	2669.2	2679.1
12.5°	2538.3	2551.8	2569.1	2585.2	2606.2	2618.5	2635.8	2651.9	2663.0	2676.6	2687.7
15°	2523.5	2539.5	2555.5	2571.6	2593.8	2608.7	2624.7	2643.2	2654.4	2669.2	2679.1
17.5°	2500.0	2517.3	2532.1	2546.9	2567.9	2585.2	2600.0	2617.3	2628.5	2640.8	2654.4
20°	2471.6	2487.6	2503.7	2516.0	2537.0	2551.8	2567.9	2584.0	2592.6	2595.1	2616.1
22.5°	2435.8	2446.9	2459.2	2479.0	2491.3	2504.9	2519.8	2534.6	2543.2	2556.8	2564.2
25°	2376.4	2387.6	2401.1	2409.8	2424.6	2435.8	2450.6	2466.6	2471.6	2481.5	2488.8
27.5°	2293.7	2299.9	2306.1	2313.4	2322.1	2328.3	2336.9	2344.4	2349.3	2354.2	2359.2
30°	2162.8	2162.8	2162.8	2157.8	2161.5	2165.2	2166.5	2165.2	2165.2	2164.0	2164.0
32.5°	1989.8	1980.0	1968.8	1959.0	1955.3	1950.3	1947.9	1944.1	1938.0	1934.3	1935.5
35°	1756.4	1734.2	1720.6	1708.2	1698.4	1691.0	1687.2	1683.5	1682.3	1677.4	1672.4
37.5°	1464.9	1448.9	1439.0	1431.6	1422.9	1415.5	1416.7	1418.0	1421.7	1419.2	1420.4
40°	1156.1	1152.4	1156.1	1147.5	1145.0	1147.5	1153.6	1162.3	1167.2	1172.2	1180.8
42.5°	879.4	885.6	894.3	894.3	897.9	902.9	910.3	923.9	931.3	939.9	949.9
45°	662.0	669.5	680.6	684.3	686.8	692.9	701.6	712.7	717.6	725.0	733.7
47.5°	510.1	515.1	521.2	527.4	533.6	536.1	544.7	544.7	550.9	555.8	558.3
50°	397.7	402.7	407.6	411.3	413.8	417.5	419.9	423.7	424.9	427.4	428.6
52.5°	311.2	317.4	317.4	319.9	323.6	327.3	326.1	327.3	328.5	328.5	332.2
55°	243.3	243.3	247.0	247.0	249.5	248.3	249.5	249.5	249.5	249.5	250.7
57.5°	181.6	182.8	186.5	184.0	182.8	185.3	182.8	185.3	184.0	186.5	182.8
60°	139.6	139.6	140.8	140.8	142.0	142.0	142.0	140.8	140.8	139.6	139.6
62.5°	105.0	106.2	107.5	106.2	106.2	106.2	105.0	105.0	103.8	102.5	102.5
65°	70.4	69.2	71.6	69.2	70.4	70.4	69.2	70.4	66.7	67.9	66.7
67.5°	50.6	49.4	48.2	49.4	48.2	46.9	46.9	48.2	49.4	45.7	45.7
70°	33.4	34.6	33.4	34.6	35.8	35.8	34.6	33.4	34.6	32.1	33.4
72.5°	21.0	21.0	21.0	21.0	21.0	22.2	22.2	22.2	19.8	19.8	18.5
75°	9.9	13.6	11.1	9.9	13.6	13.6	12.4	12.4	11.1	11.1	11.1
77.5°	9.9	7.4	7.4	7.4	7.4	7.4	7.4	7.4	6.2	7.4	6.2
80°	4.9	4.9	4.9	3.7	4.9	4.9	6.2	4.9	4.9	3.7	6.2
82.5°	2.5	2.5	2.5	0.0	1.2	2.5	2.5	1.2	2.5	2.5	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: P245915

CATALOG NUMBER: LSR8B50D010 EC8B50850 8LBSW0B

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	2529.6	2529.6	2529.6	2529.6	2529.6	2529.6	2529.6	2529.6	2529.6	2529.6	2529.6
2.5°	2558.0	2556.8	2558.0	2559.3	2558.0	2556.8	2558.0	2559.3	2554.3	2553.1	2555.5
5°	2612.4	2612.4	2614.8	2616.1	2614.8	2612.4	2612.4	2607.5	2603.7	2600.0	2598.8
7.5°	2659.3	2661.8	2664.2	2665.5	2664.2	2661.8	2659.3	2651.9	2644.5	2638.3	2633.4
10°	2687.7	2691.4	2696.4	2698.8	2696.4	2691.4	2687.7	2679.1	2669.2	2659.3	2651.9
12.5°	2700.1	2703.8	2710.0	2708.7	2710.0	2703.8	2700.1	2687.7	2676.6	2663.0	2651.9
15°	2691.4	2696.4	2702.5	2705.0	2702.5	2696.4	2691.4	2679.1	2669.2	2654.4	2643.2
17.5°	2664.2	2671.7	2675.4	2679.1	2675.4	2671.7	2664.2	2654.4	2640.8	2628.5	2617.3
20°	2627.2	2632.2	2637.1	2638.3	2637.1	2632.2	2627.2	2616.1	2595.1	2592.6	2584.0
22.5°	2574.1	2577.8	2588.9	2585.2	2588.9	2577.8	2574.1	2564.2	2556.8	2543.2	2534.6
25°	2497.5	2501.2	2502.5	2503.7	2502.5	2501.2	2497.5	2488.8	2481.5	2471.6	2466.6
27.5°	2365.4	2365.4	2367.8	2369.1	2367.8	2365.4	2365.4	2359.2	2354.2	2349.3	2344.4
30°	2165.2	2165.2	2165.2	2171.4	2165.2	2165.2	2165.2	2164.0	2164.0	2165.2	2165.2
32.5°	1934.3	1931.8	1929.3	1931.8	1929.3	1931.8	1934.3	1935.5	1934.3	1938.0	1944.1
35°	1672.4	1671.2	1674.9	1670.0	1674.9	1671.2	1672.4	1672.4	1677.4	1682.3	1683.5
37.5°	1421.7	1419.2	1424.1	1419.2	1424.1	1419.2	1421.7	1420.4	1419.2	1421.7	1418.0
40°	1183.3	1185.8	1185.8	1195.7	1185.8	1185.8	1183.3	1180.8	1172.2	1167.2	1162.3
42.5°	954.8	962.2	959.7	967.1	959.7	962.2	954.8	949.9	939.9	931.3	923.9
45°	738.6	743.6	743.6	746.0	743.6	743.6	738.6	733.7	725.0	717.6	712.7
47.5°	566.9	566.9	566.9	568.2	566.9	566.9	566.9	558.3	555.8	550.9	544.7
50°	431.1	432.3	433.6	434.8	433.6	432.3	431.1	428.6	427.4	424.9	423.7
52.5°	331.0	332.2	329.8	332.2	329.8	332.2	331.0	332.2	328.5	328.5	327.3
55°	250.7	249.5	250.7	252.0	250.7	249.5	250.7	250.7	249.5	249.5	249.5
57.5°	184.0	181.6	181.6	181.6	181.6	181.6	184.0	182.8	186.5	184.0	185.3
60°	137.1	138.3	138.3	139.6	138.3	138.3	137.1	139.6	139.6	140.8	140.8
62.5°	101.3	105.0	102.5	105.0	102.5	105.0	101.3	102.5	102.5	103.8	105.0
65°	65.5	65.5	65.5	66.7	65.5	65.5	65.5	66.7	67.9	66.7	70.4
67.5°	44.5	45.7	48.2	46.9	48.2	45.7	44.5	45.7	45.7	49.4	48.2
70°	35.8	32.1	32.1	35.8	32.1	32.1	35.8	33.4	32.1	34.6	33.4
72.5°	21.0	18.5	21.0	21.0	21.0	18.5	21.0	18.5	19.8	19.8	22.2
75°	11.1	9.9	8.6	12.4	8.6	9.9	11.1	11.1	11.1	11.1	12.4
77.5°	7.4	6.2	8.6	8.6	8.6	6.2	7.4	6.2	7.4	6.2	7.4
80°	3.7	4.9	3.7	6.2	3.7	4.9	3.7	6.2	3.7	4.9	4.9
82.5°	1.2	2.5	2.5	2.5	2.5	2.5	1.2	1.2	2.5	2.5	1.2
85°	0.0	2.5	1.2	1.2	1.2	2.5	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: P245915

CATALOG NUMBER: LSR8B50D010 EC8B50850 8LBSW0B

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	2529.6	2529.6	2529.6	2529.6	2529.6	2529.6	2529.6	2529.6	2529.6	2529.6	2529.6
2.5°	2555.5	2551.8	2553.1	2545.7	2545.7	2543.2	2544.5	2538.3	2535.8	2533.3	2537.0
5°	2592.6	2586.5	2581.5	2570.4	2564.2	2556.8	2553.1	2543.2	2534.6	2527.1	2525.9
7.5°	2622.3	2608.7	2600.0	2585.2	2574.1	2565.5	2553.1	2539.5	2528.4	2518.5	2511.1
10°	2634.6	2621.0	2607.5	2588.9	2576.5	2560.5	2548.1	2530.8	2516.0	2502.5	2493.8
12.5°	2635.8	2618.5	2606.2	2585.2	2569.1	2551.8	2538.3	2518.5	2501.2	2487.6	2474.1
15°	2624.7	2608.7	2593.8	2571.6	2555.5	2539.5	2523.5	2502.5	2486.4	2470.3	2460.5
17.5°	2600.0	2585.2	2567.9	2546.9	2532.1	2517.3	2500.0	2482.7	2464.1	2446.9	2434.5
20°	2567.9	2551.8	2537.0	2516.0	2503.7	2487.6	2471.6	2453.1	2438.2	2420.9	2407.3
22.5°	2519.8	2504.9	2491.3	2479.0	2459.2	2446.9	2435.8	2414.8	2399.9	2383.9	2369.1
25°	2450.6	2435.8	2424.6	2409.8	2401.1	2387.6	2376.4	2357.9	2344.4	2329.5	2317.2
27.5°	2336.9	2328.3	2322.1	2313.4	2306.1	2299.9	2293.7	2278.9	2269.0	2255.4	2243.1
30°	2166.5	2165.2	2161.5	2157.8	2162.8	2162.8	2162.8	2160.3	2151.7	2141.8	2133.1
32.5°	1947.9	1950.3	1955.3	1959.0	1968.8	1980.0	1989.8	1994.8	1994.8	1988.6	1984.9
35°	1687.2	1691.0	1698.4	1708.2	1720.6	1734.2	1756.4	1761.4	1765.0	1765.0	1760.1
37.5°	1416.7	1415.5	1422.9	1431.6	1439.0	1448.9	1464.9	1468.6	1474.8	1472.3	1467.4
40°	1153.6	1147.5	1145.0	1147.5	1156.1	1152.4	1156.1	1153.6	1153.6	1145.0	1145.0
42.5°	910.3	902.9	897.9	894.3	894.3	885.6	879.4	873.3	869.6	863.4	862.2
45°	701.6	692.9	686.8	684.3	680.6	669.5	662.0	654.6	646.0	643.5	644.8
47.5°	544.7	536.1	533.6	527.4	521.2	515.1	510.1	501.5	500.2	495.3	500.2
50°	419.9	417.5	413.8	411.3	407.6	402.7	397.7	392.8	390.3	390.3	391.5
52.5°	326.1	327.3	323.6	319.9	317.4	317.4	311.2	310.0	310.0	305.1	310.0
55°	249.5	248.3	249.5	247.0	247.0	243.3	243.3	239.6	239.6	235.9	238.4
57.5°	182.8	185.3	182.8	184.0	186.5	182.8	181.6	177.8	180.3	177.8	179.1
60°	142.0	142.0	142.0	140.8	140.8	139.6	139.6	138.3	138.3	135.8	138.3
62.5°	105.0	106.2	106.2	106.2	107.5	106.2	105.0	106.2	105.0	105.0	106.2
65°	69.2	70.4	70.4	69.2	71.6	69.2	70.4	71.6	72.9	71.6	72.9
67.5°	46.9	46.9	48.2	49.4	48.2	49.4	50.6	49.4	50.6	53.1	50.6
70°	34.6	35.8	35.8	34.6	33.4	34.6	33.4	37.1	37.1	37.1	39.5
72.5°	22.2	22.2	21.0	21.0	21.0	21.0	21.0	24.7	22.2	21.0	23.5
75°	12.4	13.6	13.6	9.9	11.1	13.6	9.9	11.1	14.8	12.4	14.8
77.5°	7.4	7.4	7.4	7.4	7.4	7.4	9.9	8.6	8.6	8.6	9.9
80°	6.2	4.9	4.9	3.7	4.9	4.9	4.9	7.4	6.2	6.2	7.4
82.5°	2.5	2.5	1.2	0.0	2.5	2.5	2.5	2.5	2.5	2.5	4.9
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	2.5	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: P245915

CATALOG NUMBER: LSR8B50D010 EC8B50850 8LBSW0B

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	2529.6	2529.6	2529.6	2529.6	2529.6	2529.6	2529.6	2529.6	2529.6	2529.6	2529.6
2.5°	2527.1	2527.1	2525.9	2523.5	2518.5	2518.5	2517.3	2513.6	2511.1	2509.8	2509.8
5°	2514.8	2509.8	2504.9	2491.3	2491.3	2488.8	2481.5	2476.5	2474.1	2467.8	2465.4
7.5°	2503.7	2488.8	2480.2	2471.6	2460.5	2455.5	2446.9	2443.1	2434.5	2428.3	2424.6
10°	2476.5	2466.6	2455.5	2441.9	2433.3	2423.4	2413.5	2406.1	2395.0	2388.8	2383.9
12.5°	2458.0	2443.1	2433.3	2418.4	2403.6	2395.0	2381.4	2372.8	2361.6	2349.3	2341.9
15°	2440.7	2424.6	2411.1	2395.0	2378.9	2369.1	2353.0	2343.1	2327.1	2314.7	2306.1
17.5°	2414.8	2401.1	2386.4	2366.6	2351.8	2339.4	2322.1	2309.8	2294.9	2278.9	2270.2
20°	2387.6	2371.5	2356.7	2336.9	2322.1	2307.3	2290.0	2276.4	2259.1	2244.3	2234.4
22.5°	2351.8	2333.2	2320.9	2301.1	2283.8	2267.8	2251.7	2235.7	2219.6	2207.2	2196.1
25°	2299.9	2280.1	2266.5	2250.5	2234.4	2222.1	2202.3	2192.4	2176.4	2165.2	2154.1
27.5°	2225.7	2211.0	2198.6	2182.5	2169.0	2159.1	2144.2	2134.4	2120.8	2110.9	2102.3
30°	2117.1	2104.7	2093.6	2077.5	2067.7	2059.0	2045.4	2036.8	2026.9	2015.8	2013.3
32.5°	1971.3	1961.4	1950.3	1939.2	1931.8	1926.9	1915.7	1910.8	1900.9	1894.7	1888.6
35°	1751.5	1742.8	1736.7	1731.7	1729.2	1730.5	1728.0	1732.9	1735.4	1734.2	1735.4
37.5°	1463.7	1458.7	1461.2	1464.9	1477.3	1493.3	1508.1	1530.4	1545.2	1560.0	1573.6
40°	1142.5	1146.3	1156.1	1178.3	1210.5	1246.3	1279.7	1321.7	1363.6	1393.3	1420.4
42.5°	862.2	873.3	897.9	930.1	978.3	1031.4	1083.3	1145.0	1195.7	1245.0	1279.7
45°	648.5	663.3	695.4	739.9	793.0	854.7	920.2	989.4	1049.9	1100.5	1138.8
47.5°	505.2	518.8	550.9	597.8	663.3	727.5	795.5	867.1	930.1	979.5	1012.8
50°	398.9	416.2	444.7	494.1	559.6	627.5	697.9	768.3	827.6	869.6	899.2
52.5°	313.7	329.8	357.0	408.9	475.6	543.5	608.9	678.1	730.0	770.7	790.5
55°	243.3	258.2	286.5	329.8	392.8	459.5	524.9	584.3	632.4	662.0	680.6
57.5°	185.3	196.4	216.2	259.4	316.2	377.9	433.6	492.8	529.9	550.9	563.2
60°	140.8	149.5	170.5	203.8	255.7	308.8	355.7	400.2	429.9	447.1	459.5
62.5°	106.2	116.1	130.9	159.3	198.8	242.1	281.6	315.0	339.7	350.8	359.4
65°	72.9	80.3	91.4	113.6	147.0	177.8	208.8	233.5	249.5	261.9	266.8
67.5°	54.3	59.3	65.5	82.8	106.2	130.9	151.9	169.2	186.5	191.5	200.1
70°	40.8	44.5	50.6	63.0	76.6	93.9	111.2	121.1	133.4	142.0	144.5
72.5°	25.9	27.1	33.4	40.8	51.9	63.0	74.1	82.8	90.2	95.1	97.6
75°	14.8	22.2	22.2	29.6	37.1	42.0	49.4	55.6	59.3	63.0	63.0
77.5°	9.9	13.6	14.8	18.5	22.2	28.4	34.6	38.3	42.0	43.2	43.2
80°	8.6	9.9	9.9	13.6	16.1	21.0	24.7	25.9	28.4	29.6	32.1
82.5°	3.7	4.9	6.2	9.9	11.1	11.1	14.8	16.1	18.5	19.8	19.8
85°	1.2	2.5	2.5	3.7	6.2	7.4	8.6	9.9	11.1	11.1	12.4
87.5°	1.2	1.2	0.0	1.2	2.5	2.5	4.9	4.9	4.9	7.4	7.4
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: P245915

CATALOG NUMBER: LSR8B50D010 EC8B50850 8LBSW0B

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	2529.6	2529.6	2529.6	2529.6	2529.6	2529.6	2529.6
2.5°	2507.4	2508.6	2503.7	2502.5	2500.0	2501.2	2503.7
5°	2461.7	2462.9	2458.0	2453.1	2453.1	2451.8	2453.1
7.5°	2418.4	2419.7	2412.3	2409.8	2404.9	2406.1	2406.1
10°	2375.2	2375.2	2364.1	2362.9	2359.2	2357.9	2357.9
12.5°	2333.2	2329.5	2320.9	2315.9	2318.4	2311.0	2311.0
15°	2296.2	2290.0	2278.9	2275.2	2269.0	2266.5	2266.5
17.5°	2257.9	2252.9	2243.1	2235.7	2228.2	2227.0	2228.2
20°	2220.8	2215.9	2203.5	2198.6	2192.4	2192.4	2190.0
22.5°	2183.8	2178.8	2167.7	2164.0	2155.4	2155.4	2156.6
25°	2145.5	2141.8	2129.4	2127.0	2125.7	2120.8	2123.3
27.5°	2093.6	2091.1	2081.3	2077.5	2072.6	2071.4	2073.8
30°	1998.5	1994.8	1987.4	1983.7	1975.1	1976.3	1978.7
32.5°	1879.9	1875.0	1865.1	1861.4	1854.0	1851.5	1852.7
35°	1731.7	1728.0	1719.4	1719.4	1712.0	1709.5	1712.0
37.5°	1581.0	1584.7	1581.0	1584.7	1581.0	1579.8	1581.0
40°	1439.0	1452.6	1455.0	1468.6	1463.7	1471.1	1469.9
42.5°	1303.1	1325.3	1334.0	1345.1	1342.6	1347.6	1351.3
45°	1166.0	1184.5	1193.2	1200.6	1201.8	1204.3	1205.5
47.5°	1036.3	1051.1	1052.3	1061.0	1059.8	1059.8	1063.5
50°	915.3	925.1	927.6	933.8	928.9	926.4	927.6
52.5°	802.9	812.7	810.2	812.7	806.6	804.1	805.3
55°	688.0	692.9	692.9	692.9	685.5	685.5	685.5
57.5°	570.6	571.9	569.4	570.6	569.4	562.0	560.8
60°	463.2	463.2	461.9	463.2	459.5	455.8	455.8
62.5°	361.9	364.4	369.3	364.4	361.9	364.4	360.7
65°	270.5	275.5	274.2	276.7	275.5	275.5	273.0
67.5°	203.8	205.0	206.3	207.5	207.5	207.5	207.5
70°	149.5	153.2	151.9	151.9	151.9	151.9	159.3
72.5°	100.1	105.0	103.8	106.2	106.2	108.7	106.2
75°	67.9	72.9	70.4	74.1	72.9	70.4	76.6
77.5°	45.7	48.2	49.4	50.6	49.4	48.2	49.4
80°	32.1	34.6	33.4	34.6	34.6	34.6	35.8
82.5°	19.8	23.5	22.2	23.5	22.2	23.5	23.5
85°	13.6	14.8	12.4	14.8	13.6	13.6	16.1
87.5°	8.6	7.4	7.4	8.6	7.4	8.6	7.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)