

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: P245897

Luminaire Tested: **LSR8B50D010 EC8B50830 8LBSW0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245897
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 EC8B50830 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: 4045.0 lumens
Efficiency: N/A
Efficacy: 76.3 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

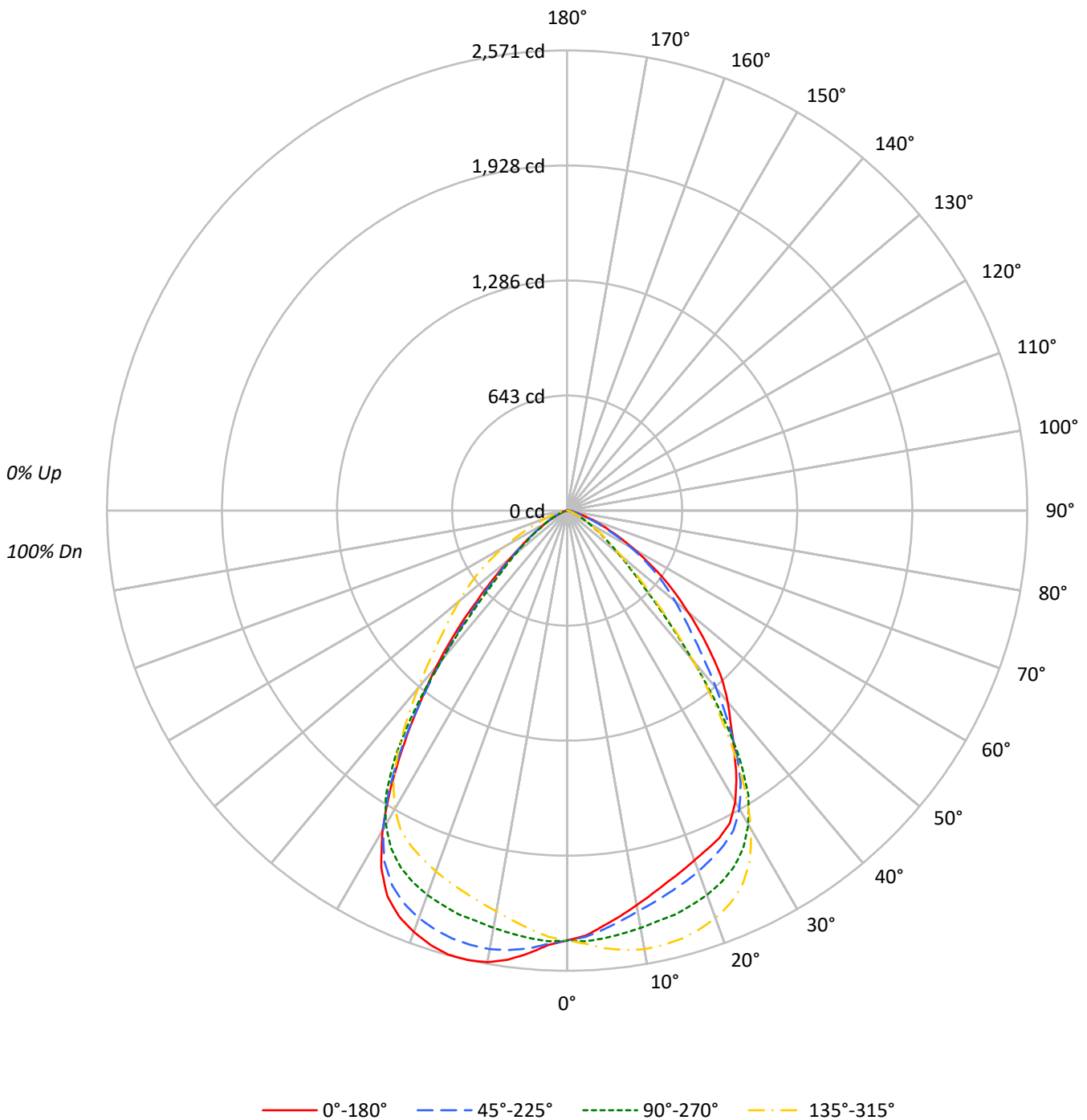
Input Watts (W): 53
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	74050	74050	74050	74050
5°	72083	74225	76875	74225
10°	70089	74128	80221	74128
15°	68688	74568	81978	74568
20°	68220	74993	82189	74993
25°	68579	74843	80869	74843
30°	66884	72104	73400	72104
35°	61179	62900	59677	62900
40°	56166	43752	45692	43752
45°	49906	26693	30884	26693
50°	42245	17831	19798	17831
55°	34988	12166	12860	12166
60°	26686	8098	8172	8098
65°	18905	5049	4619	5049
70°	13641	3381	3065	3381
75°	8662	1680	1394	1680
80°	6038	1243	1030	1243
85°	5413	0	425	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	228.6	5.7
10°-20°	661.9	16.4
20°-30°	1002.2	24.8
30°-40°	1004.5	24.8
40°-50°	630.8	15.6
50°-60°	336.1	8.3
60°-70°	138.2	3.4
70°-80°	36.5	0.9
80°-90°	6.2	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°	1892.7	46.8
0°-40°	2897.2	71.6
0°-60°	3864.1	95.5
0°-90°	4045.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4045.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2401	2401	2401	2401	2401	
5°	2329	2398	2484	2398	2329	220
15°	2152	2336	2568	2336	2152	609
25°	2016	2200	2377	2200	2016	924
35°	1625	1671	1585	1671	1625	1018
45°	1144	612	708	612	1144	880
55°	651	226	239	226	651	580
65°	259	69	63	69	259	269
75°	73	14	12	14	73	82
85°	15	0	1	0	15	17
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°	2401.4	2401.4	2401.4	2401.4	2401.4	2401.4	2401.4	2401.4	2401.4	2401.4	2401.4
2.5°	2376.8	2374.4	2373.3	2375.6	2376.8	2381.5	2380.3	2382.6	2382.6	2383.8	2386.1
5°	2328.7	2327.5	2328.7	2328.7	2333.4	2338.1	2336.9	2340.4	2342.7	2348.6	2351.0
7.5°	2284.2	2284.2	2283.0	2287.6	2290.0	2297.0	2295.8	2301.7	2305.2	2311.1	2319.3
10°	2238.4	2238.4	2239.6	2243.1	2244.3	2254.8	2254.8	2263.0	2267.7	2273.6	2284.2
12.5°	2193.9	2193.9	2200.9	2198.5	2203.2	2211.4	2214.9	2223.2	2230.2	2241.9	2252.5
15°	2151.6	2151.6	2154.0	2159.8	2163.4	2173.9	2179.8	2189.2	2197.4	2209.1	2224.4
17.5°	2115.3	2114.1	2115.3	2122.3	2129.4	2138.7	2143.4	2155.1	2163.4	2178.6	2192.7
20°	2078.9	2081.3	2081.3	2087.1	2091.8	2103.6	2108.2	2121.2	2130.5	2144.6	2161.0
22.5°	2047.3	2046.1	2046.1	2054.3	2057.9	2068.4	2073.1	2084.8	2095.4	2107.1	2122.3
25°	2015.6	2013.3	2018.0	2019.1	2021.5	2033.2	2036.7	2044.9	2055.5	2066.1	2081.3
27.5°	1968.7	1966.4	1967.5	1972.2	1975.8	1985.1	1987.5	1995.7	2003.9	2013.3	2026.2
30°	1878.4	1876.1	1874.9	1883.1	1886.7	1893.7	1897.2	1911.3	1913.6	1924.2	1933.5
32.5°	1758.8	1757.7	1760.0	1767.0	1770.5	1780.0	1784.6	1792.8	1798.7	1804.6	1813.9
35°	1625.2	1622.8	1625.2	1632.2	1632.2	1640.4	1643.9	1647.4	1646.3	1647.4	1645.1
37.5°	1500.9	1499.7	1500.9	1504.4	1500.9	1504.4	1500.9	1493.8	1481.0	1466.9	1452.8
40°	1395.3	1396.5	1389.5	1394.2	1381.2	1378.9	1366.0	1348.4	1322.7	1294.5	1254.7
42.5°	1282.8	1279.3	1274.6	1276.9	1266.4	1258.1	1237.0	1214.8	1181.9	1135.1	1086.9
45°	1144.4	1143.3	1140.9	1139.7	1132.7	1124.5	1106.9	1081.1	1044.8	996.7	939.2
47.5°	1009.6	1006.0	1006.0	1007.2	999.0	997.8	983.8	961.5	929.8	882.9	823.1
50°	880.6	879.4	881.8	886.5	880.6	878.2	868.9	853.6	825.5	785.6	729.3
52.5°	764.5	763.3	765.7	771.5	769.2	771.5	762.2	750.4	731.7	693.0	643.7
55°	650.8	650.8	650.8	657.8	657.8	657.8	653.1	646.1	628.5	600.3	554.6
57.5°	532.3	533.5	540.5	541.7	540.5	542.9	541.7	534.7	523.0	503.0	467.9
60°	432.7	432.7	436.2	439.7	438.5	439.7	439.7	436.2	424.5	408.1	379.9
62.5°	342.4	345.9	343.5	345.9	350.6	345.9	343.5	341.2	333.0	322.4	299.0
65°	259.1	261.5	261.5	262.6	260.3	261.5	256.8	253.3	248.6	236.9	221.6
67.5°	197.0	197.0	197.0	197.0	195.8	194.6	193.5	190.0	181.8	177.1	160.6
70°	151.3	144.2	144.2	144.2	144.2	145.4	141.9	137.2	134.8	126.6	114.9
72.5°	100.8	103.2	100.8	100.8	98.5	99.7	95.0	92.6	90.3	85.6	78.6
75°	72.7	66.8	69.2	70.4	66.8	69.2	64.5	59.8	59.8	56.3	52.8
77.5°	46.9	45.8	46.9	48.1	46.9	45.8	43.4	41.0	41.0	39.9	36.3
80°	34.0	32.8	32.8	32.8	31.7	32.8	30.5	30.5	28.1	27.0	24.6
82.5°	22.3	22.3	21.1	22.3	21.1	22.3	18.8	18.8	18.8	17.6	15.3
85°	15.3	12.9	12.9	14.1	11.7	14.1	12.9	11.7	10.6	10.6	9.4
87.5°	7.0	8.2	7.0	8.2	7.0	7.0	8.2	7.0	7.0	4.7	4.7
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	2401.4	2401.4	2401.4	2401.4	2401.4	2401.4	2401.4	2401.4	2401.4	2401.4	2401.4
2.5°	2389.7	2390.8	2390.8	2395.5	2397.9	2399.0	2399.0	2408.4	2404.9	2407.3	2409.6
5°	2355.7	2362.7	2365.0	2365.0	2377.9	2382.6	2387.3	2397.9	2399.0	2406.1	2414.3
7.5°	2322.8	2331.0	2335.8	2346.3	2354.5	2362.7	2376.8	2383.8	2390.8	2400.2	2410.8
10°	2291.2	2300.6	2309.9	2318.1	2331.0	2341.6	2351.0	2367.4	2375.6	2388.5	2402.5
12.5°	2260.7	2273.6	2281.8	2295.8	2309.9	2319.3	2333.4	2348.6	2361.5	2374.4	2390.8
15°	2233.7	2249.0	2258.3	2273.6	2288.8	2301.7	2317.0	2335.8	2345.1	2360.4	2375.6
17.5°	2204.4	2220.8	2232.6	2246.6	2265.4	2279.4	2292.4	2311.1	2322.8	2339.2	2356.8
20°	2173.9	2190.3	2204.4	2218.5	2237.2	2251.3	2266.5	2285.3	2298.2	2314.6	2328.7
22.5°	2137.6	2152.8	2168.0	2184.4	2203.2	2214.9	2232.6	2249.0	2263.0	2278.3	2292.4
25°	2090.7	2109.4	2121.2	2136.4	2151.6	2164.5	2183.3	2199.7	2211.4	2225.5	2238.4
27.5°	2035.6	2049.6	2059.0	2071.9	2087.1	2098.9	2112.9	2129.4	2141.1	2154.0	2163.4
30°	1941.7	1954.7	1962.9	1972.2	1987.5	1998.1	2009.8	2025.0	2033.2	2042.6	2050.8
32.5°	1818.6	1829.2	1833.9	1840.9	1851.5	1862.0	1871.4	1884.3	1887.8	1893.7	1893.7
35°	1640.4	1642.7	1641.6	1643.9	1648.6	1654.5	1662.7	1670.9	1675.6	1675.6	1672.1
37.5°	1431.7	1417.6	1402.4	1390.7	1387.1	1384.8	1389.5	1393.0	1397.7	1400.0	1394.2
40°	1214.8	1183.1	1149.1	1118.6	1097.5	1088.1	1084.6	1086.9	1086.9	1095.1	1095.1
42.5°	1028.3	979.1	928.7	882.9	852.4	829.0	818.4	818.4	819.6	825.5	829.0
45°	873.6	811.4	752.8	702.4	660.1	629.6	615.6	612.1	610.9	613.2	621.4
47.5°	755.1	690.6	629.6	567.5	523.0	492.5	479.6	474.9	470.2	474.9	476.1
50°	662.5	595.7	531.2	469.0	422.1	395.1	378.7	371.7	370.5	370.5	372.9
52.5°	578.0	515.9	451.5	388.1	338.9	313.1	297.8	294.3	289.6	294.3	294.3
55°	498.3	436.2	372.9	313.1	272.0	245.1	231.0	226.3	223.9	227.5	227.5
57.5°	411.6	358.8	300.2	246.2	205.2	186.4	175.9	170.0	168.8	171.2	168.8
60°	337.7	293.2	242.7	193.5	161.8	141.9	133.7	131.3	129.0	131.3	131.3
62.5°	267.3	229.8	188.8	151.3	124.3	110.2	100.8	100.8	99.7	99.7	100.8
65°	198.2	168.8	139.5	107.9	86.8	76.2	69.2	69.2	68.0	69.2	68.0
67.5°	144.2	124.3	100.8	78.6	62.2	56.3	51.6	48.1	50.4	48.1	46.9
70°	105.6	89.1	72.7	59.8	48.1	42.2	38.7	37.5	35.2	35.2	35.2
72.5°	70.4	59.8	49.2	38.7	31.7	25.8	24.6	22.3	19.9	21.1	23.5
75°	46.9	39.9	35.2	28.1	21.1	21.1	14.1	14.1	11.7	14.1	10.6
77.5°	32.8	27.0	21.1	17.6	14.1	12.9	9.4	9.4	8.2	8.2	8.2
80°	23.5	19.9	15.3	12.9	9.4	9.4	8.2	7.0	5.8	5.8	7.0
82.5°	14.1	10.6	10.6	9.4	5.8	4.7	3.5	4.7	2.4	2.4	2.4
85°	8.2	7.0	5.8	3.5	2.4	2.4	1.2	0.0	1.2	1.2	0.0
87.5°	4.7	2.4	2.4	1.2	0.0	1.2	1.2	0.0	0.0	0.0	2.4
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°	2401.4	2401.4	2401.4	2401.4	2401.4	2401.4	2401.4	2401.4	2401.4	2401.4	2401.4
2.5°	2415.5	2414.3	2416.6	2416.6	2423.7	2422.5	2426.0	2426.0	2423.7	2424.8	2429.5
5°	2423.7	2427.2	2434.2	2440.1	2450.6	2455.3	2461.2	2467.1	2468.2	2471.8	2475.3
7.5°	2423.7	2435.4	2443.6	2454.1	2468.2	2476.4	2489.3	2499.9	2504.6	2510.4	2517.5
10°	2419.0	2430.7	2445.9	2457.7	2475.3	2488.2	2501.1	2517.5	2524.5	2533.9	2543.3
12.5°	2409.6	2422.5	2438.9	2454.1	2474.1	2485.8	2502.2	2517.5	2528.0	2540.9	2551.5
15°	2395.5	2410.8	2426.0	2441.3	2462.3	2476.4	2491.7	2509.3	2519.8	2533.9	2543.3
17.5°	2373.3	2389.7	2403.8	2417.8	2437.7	2454.1	2468.2	2484.6	2495.2	2506.9	2519.8
20°	2346.3	2361.5	2376.8	2388.5	2408.4	2422.5	2437.7	2453.0	2461.2	2463.6	2483.5
22.5°	2312.3	2322.8	2334.5	2353.3	2365.0	2377.9	2392.0	2406.1	2414.3	2427.2	2434.2
25°	2256.0	2266.5	2279.4	2287.6	2301.7	2312.3	2326.3	2341.6	2346.3	2355.7	2362.7
27.5°	2177.4	2183.3	2189.2	2196.2	2204.4	2210.3	2218.5	2225.5	2230.2	2234.9	2239.6
30°	2053.1	2053.1	2053.1	2048.4	2052.0	2055.5	2056.6	2055.5	2055.5	2054.3	2054.3
32.5°	1889.0	1879.6	1869.0	1859.7	1856.2	1851.5	1849.1	1845.6	1839.7	1836.2	1837.4
35°	1667.4	1646.3	1633.4	1621.6	1612.3	1605.2	1601.7	1598.2	1597.0	1592.4	1587.6
37.5°	1390.7	1375.4	1366.0	1359.0	1350.8	1343.7	1344.9	1346.1	1349.6	1347.3	1348.4
40°	1097.5	1094.0	1097.5	1089.3	1086.9	1089.3	1095.1	1103.4	1108.1	1112.8	1121.0
42.5°	834.9	840.7	849.0	849.0	852.4	857.2	864.2	877.1	884.1	892.3	901.7
45°	628.5	635.5	646.1	649.6	651.9	657.8	666.0	676.6	681.2	688.3	696.5
47.5°	484.3	489.0	494.8	500.7	506.5	508.9	517.1	517.1	523.0	527.7	530.0
50°	377.6	382.2	386.9	390.5	392.8	396.3	398.7	402.2	403.3	405.7	406.9
52.5°	295.5	301.4	301.4	303.7	307.2	310.7	309.6	310.7	311.9	311.9	315.4
55°	231.0	231.0	234.5	234.5	236.9	235.7	236.9	236.9	236.9	236.9	238.0
57.5°	172.3	173.6	177.1	174.7	173.6	175.9	173.6	175.9	174.7	177.1	173.6
60°	132.5	132.5	133.7	133.7	134.8	134.8	134.8	133.7	133.7	132.5	132.5
62.5°	99.7	100.8	102.0	100.8	100.8	100.8	99.7	99.7	98.5	97.3	97.3
65°	66.8	65.7	68.0	65.7	66.8	66.8	65.7	66.8	63.3	64.5	63.3
67.5°	48.1	46.9	45.8	46.9	45.8	44.5	44.5	45.8	46.9	43.4	43.4
70°	31.7	32.8	31.7	32.8	34.0	34.0	32.8	31.7	32.8	30.5	31.7
72.5°	19.9	19.9	19.9	19.9	19.9	21.1	21.1	21.1	18.8	18.8	17.6
75°	9.4	12.9	10.6	9.4	12.9	12.9	11.7	11.7	10.6	10.6	10.6
77.5°	9.4	7.0	7.0	7.0	7.0	7.0	7.0	7.0	5.8	7.0	5.8
80°	4.7	4.7	4.7	3.5	4.7	4.7	5.8	4.7	4.7	3.5	5.8
82.5°	2.4	2.4	2.4	0.0	1.2	2.4	2.4	1.2	2.4	2.4	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: P245897

CATALOG NUMBER: LSR8B50D010 EC8B50830 8LBSW0B

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	2401.4	2401.4	2401.4	2401.4	2401.4	2401.4	2401.4	2401.4	2401.4	2401.4	2401.4
2.5°	2428.4	2427.2	2428.4	2429.5	2428.4	2427.2	2428.4	2429.5	2424.8	2423.7	2426.0
5°	2480.0	2480.0	2482.3	2483.5	2482.3	2480.0	2480.0	2475.3	2471.8	2468.2	2467.1
7.5°	2524.5	2526.9	2529.2	2530.3	2529.2	2526.9	2524.5	2517.5	2510.4	2504.6	2499.9
10°	2551.5	2555.0	2559.7	2562.0	2559.7	2555.0	2551.5	2543.3	2533.9	2524.5	2517.5
12.5°	2563.2	2566.7	2572.6	2571.4	2572.6	2566.7	2563.2	2551.5	2540.9	2528.0	2517.5
15°	2555.0	2559.7	2565.5	2567.9	2565.5	2559.7	2555.0	2543.3	2533.9	2519.8	2509.3
17.5°	2529.2	2536.2	2539.8	2543.3	2539.8	2536.2	2529.2	2519.8	2506.9	2495.2	2484.6
20°	2494.0	2498.7	2503.4	2504.6	2503.4	2498.7	2494.0	2483.5	2463.6	2461.2	2453.0
22.5°	2443.6	2447.1	2457.7	2454.1	2457.7	2447.1	2443.6	2434.2	2427.2	2414.3	2406.1
25°	2370.9	2374.4	2375.6	2376.8	2375.6	2374.4	2370.9	2362.7	2355.7	2346.3	2341.6
27.5°	2245.4	2245.4	2247.8	2249.0	2247.8	2245.4	2245.4	2239.6	2234.9	2230.2	2225.5
30°	2055.5	2055.5	2055.5	2061.4	2055.5	2055.5	2055.5	2054.3	2054.3	2055.5	2055.5
32.5°	1836.2	1833.9	1831.5	1833.9	1831.5	1833.9	1836.2	1837.4	1836.2	1839.7	1845.6
35°	1587.6	1586.5	1590.0	1585.3	1590.0	1586.5	1587.6	1587.6	1592.4	1597.0	1598.2
37.5°	1349.6	1347.3	1352.0	1347.3	1352.0	1347.3	1349.6	1348.4	1347.3	1349.6	1346.1
40°	1123.3	1125.6	1125.6	1135.1	1125.6	1125.6	1123.3	1121.0	1112.8	1108.1	1103.4
42.5°	906.4	913.4	911.1	918.1	911.1	913.4	906.4	901.7	892.3	884.1	877.1
45°	701.2	705.9	705.9	708.2	705.9	705.9	701.2	696.5	688.3	681.2	676.6
47.5°	538.2	538.2	538.2	539.4	538.2	538.2	538.2	530.0	527.7	523.0	517.1
50°	409.2	410.4	411.6	412.7	411.6	410.4	409.2	406.9	405.7	403.3	402.2
52.5°	314.2	315.4	313.1	315.4	313.1	315.4	314.2	315.4	311.9	311.9	310.7
55°	238.0	236.9	238.0	239.2	238.0	236.9	238.0	238.0	236.9	236.9	236.9
57.5°	174.7	172.3	172.3	172.3	172.3	172.3	174.7	173.6	177.1	174.7	175.9
60°	130.2	131.3	131.3	132.5	131.3	131.3	130.2	132.5	132.5	133.7	133.7
62.5°	96.1	99.7	97.3	99.7	97.3	99.7	96.1	97.3	97.3	98.5	99.7
65°	62.2	62.2	62.2	63.3	62.2	62.2	62.2	63.3	64.5	63.3	66.8
67.5°	42.2	43.4	45.8	44.5	45.8	43.4	42.2	43.4	43.4	46.9	45.8
70°	34.0	30.5	30.5	34.0	30.5	30.5	34.0	31.7	30.5	32.8	31.7
72.5°	19.9	17.6	19.9	19.9	19.9	17.6	19.9	17.6	18.8	18.8	21.1
75°	10.6	9.4	8.2	11.7	8.2	9.4	10.6	10.6	10.6	10.6	11.7
77.5°	7.0	5.8	8.2	8.2	8.2	5.8	7.0	5.8	7.0	5.8	7.0
80°	3.5	4.7	3.5	5.8	3.5	4.7	3.5	5.8	3.5	4.7	4.7
82.5°	1.2	2.4	2.4	2.4	2.4	2.4	1.2	1.2	2.4	2.4	1.2
85°	0.0	2.4	1.2	1.2	1.2	2.4	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: P245897

CATALOG NUMBER: LSR8B50D010 EC8B50830 8LBSW0B

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	2401.4	2401.4	2401.4	2401.4	2401.4	2401.4	2401.4	2401.4	2401.4	2401.4	2401.4
2.5°	2426.0	2422.5	2423.7	2416.6	2416.6	2414.3	2415.5	2409.6	2407.3	2404.9	2408.4
5°	2461.2	2455.3	2450.6	2440.1	2434.2	2427.2	2423.7	2414.3	2406.1	2399.0	2397.9
7.5°	2489.3	2476.4	2468.2	2454.1	2443.6	2435.4	2423.7	2410.8	2400.2	2390.8	2383.8
10°	2501.1	2488.2	2475.3	2457.7	2445.9	2430.7	2419.0	2402.5	2388.5	2375.6	2367.4
12.5°	2502.2	2485.8	2474.1	2454.1	2438.9	2422.5	2409.6	2390.8	2374.4	2361.5	2348.6
15°	2491.7	2476.4	2462.3	2441.3	2426.0	2410.8	2395.5	2375.6	2360.4	2345.1	2335.8
17.5°	2468.2	2454.1	2437.7	2417.8	2403.8	2389.7	2373.3	2356.8	2339.2	2322.8	2311.1
20°	2437.7	2422.5	2408.4	2388.5	2376.8	2361.5	2346.3	2328.7	2314.6	2298.2	2285.3
22.5°	2392.0	2377.9	2365.0	2353.3	2334.5	2322.8	2312.3	2292.4	2278.3	2263.0	2249.0
25°	2326.3	2312.3	2301.7	2287.6	2279.4	2266.5	2256.0	2238.4	2225.5	2211.4	2199.7
27.5°	2218.5	2210.3	2204.4	2196.2	2189.2	2183.3	2177.4	2163.4	2154.0	2141.1	2129.4
30°	2056.6	2055.5	2052.0	2048.4	2053.1	2053.1	2053.1	2050.8	2042.6	2033.2	2025.0
32.5°	1849.1	1851.5	1856.2	1859.7	1869.0	1879.6	1889.0	1893.7	1893.7	1887.8	1884.3
35°	1601.7	1605.2	1612.3	1621.6	1633.4	1646.3	1667.4	1672.1	1675.6	1675.6	1670.9
37.5°	1344.9	1343.7	1350.8	1359.0	1366.0	1375.4	1390.7	1394.2	1400.0	1397.7	1393.0
40°	1095.1	1089.3	1086.9	1089.3	1097.5	1094.0	1097.5	1095.1	1095.1	1086.9	1086.9
42.5°	864.2	857.2	852.4	849.0	849.0	840.7	834.9	829.0	825.5	819.6	818.4
45°	666.0	657.8	651.9	649.6	646.1	635.5	628.5	621.4	613.2	610.9	612.1
47.5°	517.1	508.9	506.5	500.7	494.8	489.0	484.3	476.1	474.9	470.2	474.9
50°	398.7	396.3	392.8	390.5	386.9	382.2	377.6	372.9	370.5	370.5	371.7
52.5°	309.6	310.7	307.2	303.7	301.4	301.4	295.5	294.3	294.3	289.6	294.3
55°	236.9	235.7	236.9	234.5	234.5	231.0	231.0	227.5	227.5	223.9	226.3
57.5°	173.6	175.9	173.6	174.7	177.1	173.6	172.3	168.8	171.2	168.8	170.0
60°	134.8	134.8	134.8	133.7	133.7	132.5	132.5	131.3	131.3	129.0	131.3
62.5°	99.7	100.8	100.8	100.8	102.0	100.8	99.7	100.8	99.7	99.7	100.8
65°	65.7	66.8	66.8	65.7	68.0	65.7	66.8	68.0	69.2	68.0	69.2
67.5°	44.5	44.5	45.8	46.9	45.8	46.9	48.1	46.9	48.1	50.4	48.1
70°	32.8	34.0	34.0	32.8	31.7	32.8	31.7	35.2	35.2	35.2	37.5
72.5°	21.1	21.1	19.9	19.9	19.9	19.9	19.9	23.5	21.1	19.9	22.3
75°	11.7	12.9	12.9	9.4	10.6	12.9	9.4	10.6	14.1	11.7	14.1
77.5°	7.0	7.0	7.0	7.0	7.0	7.0	9.4	8.2	8.2	8.2	9.4
80°	5.8	4.7	4.7	3.5	4.7	4.7	4.7	7.0	5.8	5.8	7.0
82.5°	2.4	2.4	1.2	0.0	2.4	2.4	2.4	2.4	2.4	2.4	4.7
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	2.4	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: P245897

CATALOG NUMBER: LSR8B50D010 EC8B50830 8LBSW0B

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	2401.4	2401.4	2401.4	2401.4	2401.4	2401.4	2401.4	2401.4	2401.4	2401.4	2401.4
2.5°	2399.0	2399.0	2397.9	2395.5	2390.8	2390.8	2389.7	2386.1	2383.8	2382.6	2382.6
5°	2387.3	2382.6	2377.9	2365.0	2365.0	2362.7	2355.7	2351.0	2348.6	2342.7	2340.4
7.5°	2376.8	2362.7	2354.5	2346.3	2335.8	2331.0	2322.8	2319.3	2311.1	2305.2	2301.7
10°	2351.0	2341.6	2331.0	2318.1	2309.9	2300.6	2291.2	2284.2	2273.6	2267.7	2263.0
12.5°	2333.4	2319.3	2309.9	2295.8	2281.8	2273.6	2260.7	2252.5	2241.9	2230.2	2223.2
15°	2317.0	2301.7	2288.8	2273.6	2258.3	2249.0	2233.7	2224.4	2209.1	2197.4	2189.2
17.5°	2292.4	2279.4	2265.4	2246.6	2232.6	2220.8	2204.4	2192.7	2178.6	2163.4	2155.1
20°	2266.5	2251.3	2237.2	2218.5	2204.4	2190.3	2173.9	2161.0	2144.6	2130.5	2121.2
22.5°	2232.6	2214.9	2203.2	2184.4	2168.0	2152.8	2137.6	2122.3	2107.1	2095.4	2084.8
25°	2183.3	2164.5	2151.6	2136.4	2121.2	2109.4	2090.7	2081.3	2066.1	2055.5	2044.9
27.5°	2112.9	2098.9	2087.1	2071.9	2059.0	2049.6	2035.6	2026.2	2013.3	2003.9	1995.7
30°	2009.8	1998.1	1987.5	1972.2	1962.9	1954.7	1941.7	1933.5	1924.2	1913.6	1911.3
32.5°	1871.4	1862.0	1851.5	1840.9	1833.9	1829.2	1818.6	1813.9	1804.6	1798.7	1792.8
35°	1662.7	1654.5	1648.6	1643.9	1641.6	1642.7	1640.4	1645.1	1647.4	1646.3	1647.4
37.5°	1389.5	1384.8	1387.1	1390.7	1402.4	1417.6	1431.7	1452.8	1466.9	1481.0	1493.8
40°	1084.6	1088.1	1097.5	1118.6	1149.1	1183.1	1214.8	1254.7	1294.5	1322.7	1348.4
42.5°	818.4	829.0	852.4	882.9	928.7	979.1	1028.3	1086.9	1135.1	1181.9	1214.8
45°	615.6	629.6	660.1	702.4	752.8	811.4	873.6	939.2	996.7	1044.8	1081.1
47.5°	479.6	492.5	523.0	567.5	629.6	690.6	755.1	823.1	882.9	929.8	961.5
50°	378.7	395.1	422.1	469.0	531.2	595.7	662.5	729.3	785.6	825.5	853.6
52.5°	297.8	313.1	338.9	388.1	451.5	515.9	578.0	643.7	693.0	731.7	750.4
55°	231.0	245.1	272.0	313.1	372.9	436.2	498.3	554.6	600.3	628.5	646.1
57.5°	175.9	186.4	205.2	246.2	300.2	358.8	411.6	467.9	503.0	523.0	534.7
60°	133.7	141.9	161.8	193.5	242.7	293.2	337.7	379.9	408.1	424.5	436.2
62.5°	100.8	110.2	124.3	151.3	188.8	229.8	267.3	299.0	322.4	333.0	341.2
65°	69.2	76.2	86.8	107.9	139.5	168.8	198.2	221.6	236.9	248.6	253.3
67.5°	51.6	56.3	62.2	78.6	100.8	124.3	144.2	160.6	177.1	181.8	190.0
70°	38.7	42.2	48.1	59.8	72.7	89.1	105.6	114.9	126.6	134.8	137.2
72.5°	24.6	25.8	31.7	38.7	49.2	59.8	70.4	78.6	85.6	90.3	92.6
75°	14.1	21.1	21.1	28.1	35.2	39.9	46.9	52.8	56.3	59.8	59.8
77.5°	9.4	12.9	14.1	17.6	21.1	27.0	32.8	36.3	39.9	41.0	41.0
80°	8.2	9.4	9.4	12.9	15.3	19.9	23.5	24.6	27.0	28.1	30.5
82.5°	3.5	4.7	5.8	9.4	10.6	10.6	14.1	15.3	17.6	18.8	18.8
85°	1.2	2.4	2.4	3.5	5.8	7.0	8.2	9.4	10.6	10.6	11.7
87.5°	1.2	1.2	0.0	1.2	2.4	2.4	4.7	4.7	4.7	7.0	7.0
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: P245897

CATALOG NUMBER: LSR8B50D010 EC8B50830 8LBSW0B

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	2401.4	2401.4	2401.4	2401.4	2401.4	2401.4	2401.4
2.5°	2380.3	2381.5	2376.8	2375.6	2373.3	2374.4	2376.8
5°	2336.9	2338.1	2333.4	2328.7	2328.7	2327.5	2328.7
7.5°	2295.8	2297.0	2290.0	2287.6	2283.0	2284.2	2284.2
10°	2254.8	2254.8	2244.3	2243.1	2239.6	2238.4	2238.4
12.5°	2214.9	2211.4	2203.2	2198.5	2200.9	2193.9	2193.9
15°	2179.8	2173.9	2163.4	2159.8	2154.0	2151.6	2151.6
17.5°	2143.4	2138.7	2129.4	2122.3	2115.3	2114.1	2115.3
20°	2108.2	2103.6	2091.8	2087.1	2081.3	2081.3	2078.9
22.5°	2073.1	2068.4	2057.9	2054.3	2046.1	2046.1	2047.3
25°	2036.7	2033.2	2021.5	2019.1	2018.0	2013.3	2015.6
27.5°	1987.5	1985.1	1975.8	1972.2	1967.5	1966.4	1968.7
30°	1897.2	1893.7	1886.7	1883.1	1874.9	1876.1	1878.4
32.5°	1784.6	1780.0	1770.5	1767.0	1760.0	1757.7	1758.8
35°	1643.9	1640.4	1632.2	1632.2	1625.2	1622.8	1625.2
37.5°	1500.9	1504.4	1500.9	1504.4	1500.9	1499.7	1500.9
40°	1366.0	1378.9	1381.2	1394.2	1389.5	1396.5	1395.3
42.5°	1237.0	1258.1	1266.4	1276.9	1274.6	1279.3	1282.8
45°	1106.9	1124.5	1132.7	1139.7	1140.9	1143.3	1144.4
47.5°	983.8	997.8	999.0	1007.2	1006.0	1006.0	1009.6
50°	868.9	878.2	880.6	886.5	881.8	879.4	880.6
52.5°	762.2	771.5	769.2	771.5	765.7	763.3	764.5
55°	653.1	657.8	657.8	657.8	650.8	650.8	650.8
57.5°	541.7	542.9	540.5	541.7	540.5	533.5	532.3
60°	439.7	439.7	438.5	439.7	436.2	432.7	432.7
62.5°	343.5	345.9	350.6	345.9	343.5	345.9	342.4
65°	256.8	261.5	260.3	262.6	261.5	261.5	259.1
67.5°	193.5	194.6	195.8	197.0	197.0	197.0	197.0
70°	141.9	145.4	144.2	144.2	144.2	144.2	151.3
72.5°	95.0	99.7	98.5	100.8	100.8	103.2	100.8
75°	64.5	69.2	66.8	70.4	69.2	66.8	72.7
77.5°	43.4	45.8	46.9	48.1	46.9	45.8	46.9
80°	30.5	32.8	31.7	32.8	32.8	32.8	34.0
82.5°	18.8	22.3	21.1	22.3	21.1	22.3	22.3
85°	12.9	14.1	11.7	14.1	12.9	12.9	15.3
87.5°	8.2	7.0	7.0	8.2	7.0	8.2	7.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)