

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: P245885

Luminaire Tested: **LSR8B50D010 EC8B50930 8LBSW0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245885
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 EC8B50930 8LBSW0GPH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT- CYLINDEC
97 CRI 3000 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4207.1 lumens
Efficiency: N/A
Efficacy: 79.4 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

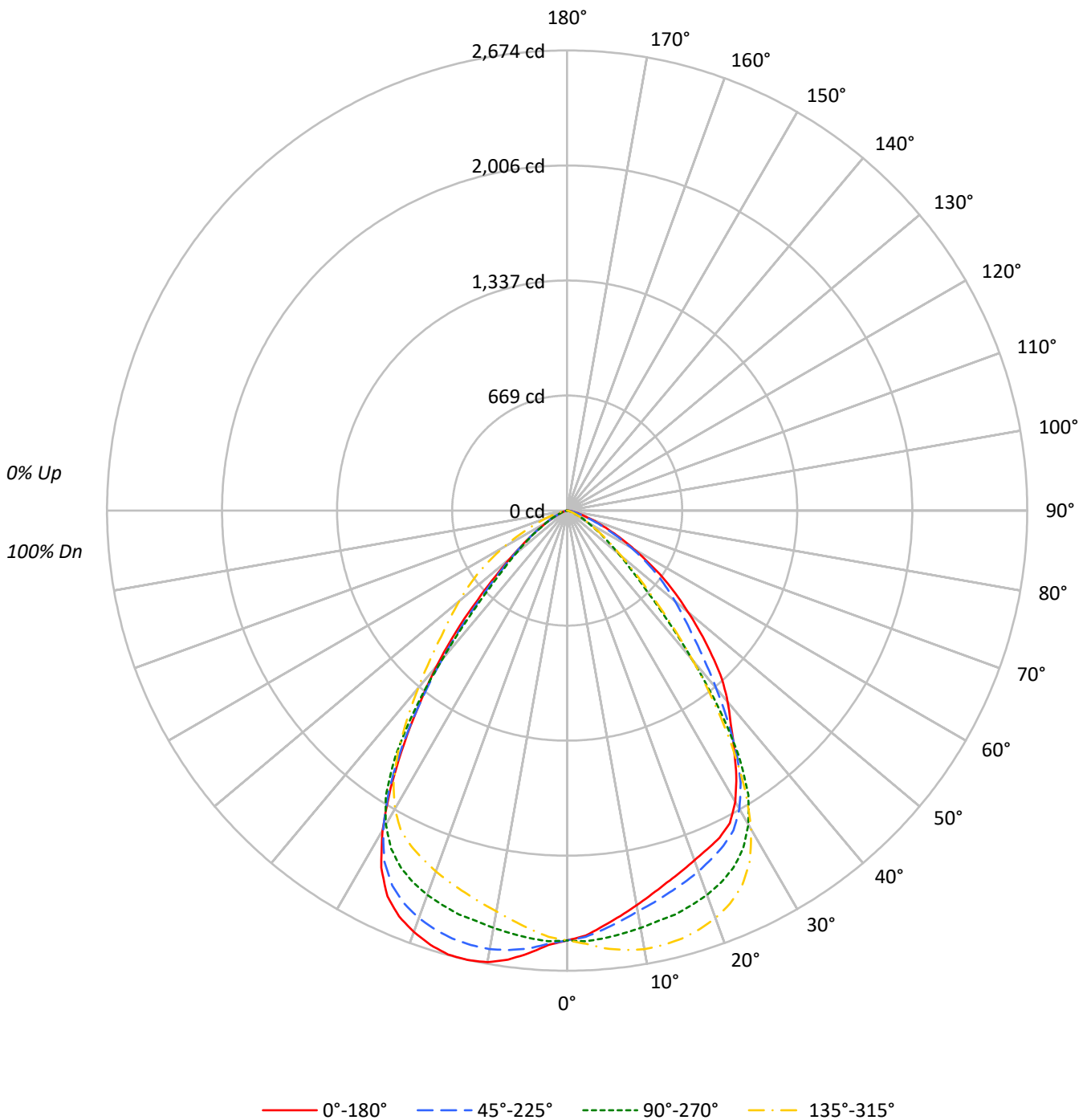
Input Watts (W): 53
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	237.7	5.7
10°-20°	688.4	16.4
20°-30°	1042.4	24.8
30°-40°	1044.7	24.8
40°-50°	656.0	15.6
50°-60°	349.6	8.3
60°-70°	143.8	3.4
70°-80°	38.0	0.9
80°-90°	6.4	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°	1968.5	46.8
0°-40°	3013.3	71.6
0°-60°	4018.9	95.5
0°-90°	4207.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4207.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2498	2498	2498	2498	2498	
5°	2422	2494	2583	2494	2422	228
15°	2238	2429	2671	2429	2238	633
25°	2096	2288	2472	2288	2096	961
35°	1690	1738	1649	1738	1690	1059
45°	1190	637	737	637	1190	915
55°	677	235	249	235	677	603
65°	270	72	66	72	270	280
75°	76	15	12	15	76	86
85°	16	0	1	0	16	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°	2497.6	2497.6	2497.6	2497.6	2497.6	2497.6	2497.6	2497.6	2497.6	2497.6	2497.6
2.5°	2472.0	2469.6	2468.3	2470.8	2472.0	2476.8	2475.7	2478.1	2478.1	2479.3	2481.8
5°	2422.0	2420.8	2422.0	2422.0	2426.9	2431.8	2430.6	2434.3	2436.6	2442.8	2445.1
7.5°	2375.7	2375.7	2374.4	2379.3	2381.8	2389.1	2387.8	2394.0	2397.6	2403.8	2412.3
10°	2328.1	2328.1	2329.3	2333.0	2334.3	2345.1	2345.1	2353.8	2358.6	2364.7	2375.7
12.5°	2281.8	2281.8	2289.1	2286.6	2291.5	2300.1	2303.8	2312.3	2319.6	2331.8	2342.8
15°	2237.9	2237.9	2240.3	2246.4	2250.1	2261.1	2267.1	2276.9	2285.5	2297.6	2313.5
17.5°	2200.1	2198.8	2200.1	2207.4	2214.8	2224.4	2229.3	2241.6	2250.1	2265.9	2280.6
20°	2162.3	2164.8	2164.8	2170.8	2175.6	2187.9	2192.7	2206.1	2215.9	2230.6	2247.6
22.5°	2129.3	2128.1	2128.1	2136.6	2140.3	2151.3	2156.1	2168.4	2179.3	2191.6	2207.4
25°	2096.4	2093.9	2098.8	2100.1	2102.4	2114.7	2118.4	2126.9	2137.9	2148.8	2164.8
27.5°	2047.6	2045.2	2046.4	2051.3	2054.9	2064.7	2067.1	2075.6	2084.2	2093.9	2107.4
30°	1953.7	1951.3	1950.1	1958.6	1962.3	1969.6	1973.2	1987.9	1990.3	2001.3	2011.0
32.5°	1829.2	1828.1	1830.6	1837.9	1841.5	1851.3	1856.2	1864.7	1870.7	1876.9	1886.6
35°	1690.4	1687.9	1690.4	1697.6	1697.6	1706.2	1709.9	1713.4	1712.2	1713.4	1711.0
37.5°	1561.0	1559.8	1561.0	1564.7	1561.0	1564.7	1561.0	1553.7	1540.4	1525.7	1511.0
40°	1451.2	1452.5	1445.2	1450.0	1436.6	1434.2	1420.8	1402.5	1375.7	1346.4	1305.0
42.5°	1334.2	1330.5	1325.7	1328.0	1317.2	1308.5	1286.6	1263.5	1229.3	1180.5	1130.5
45°	1190.3	1189.0	1186.6	1185.5	1178.1	1169.5	1151.3	1124.5	1086.6	1036.6	976.8
47.5°	1050.0	1046.3	1046.3	1047.6	1039.1	1037.8	1023.1	1000.0	967.1	918.3	856.1
50°	915.9	914.6	917.1	922.0	915.9	913.4	903.8	887.8	858.6	817.1	758.6
52.5°	795.1	793.9	796.4	802.4	799.9	802.4	792.8	780.6	761.0	720.7	669.6
55°	676.9	676.9	676.9	684.1	684.1	684.1	679.3	672.0	653.7	624.4	576.9
57.5°	553.7	554.9	562.2	563.4	562.2	564.6	563.4	556.1	543.9	523.2	486.6
60°	450.0	450.0	453.7	457.4	456.1	457.4	457.4	453.7	441.4	424.4	395.2
62.5°	356.1	359.7	357.3	359.7	364.7	359.7	357.3	354.9	346.4	335.4	311.0
65°	269.5	272.0	272.0	273.2	270.7	272.0	267.1	263.4	258.6	246.4	230.5
67.5°	204.9	204.9	204.9	204.9	203.7	202.5	201.2	197.6	189.0	184.2	167.0
70°	157.3	150.0	150.0	150.0	150.0	151.2	147.6	142.7	140.2	131.7	119.5
72.5°	104.8	107.3	104.8	104.8	102.5	103.7	98.8	96.3	93.9	89.0	81.7
75°	75.6	69.5	72.0	73.2	69.5	72.0	67.0	62.2	62.2	58.5	54.8
77.5°	48.8	47.6	48.8	50.0	48.8	47.6	45.2	42.7	42.7	41.5	37.8
80°	35.4	34.1	34.1	34.1	33.0	34.1	31.7	31.7	29.3	28.0	25.6
82.5°	23.2	23.2	22.0	23.2	22.0	23.2	19.5	19.5	19.5	18.3	15.9
85°	15.9	13.5	13.5	14.7	12.2	14.7	13.5	12.2	11.0	11.0	9.8
87.5°	7.3	8.5	7.3	8.5	7.3	7.3	8.5	7.3	7.3	4.8	4.8
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	2497.6	2497.6	2497.6	2497.6	2497.6	2497.6	2497.6	2497.6	2497.6	2497.6	2497.6
2.5°	2485.5	2486.6	2486.6	2491.5	2494.0	2495.1	2495.1	2505.0	2501.3	2503.8	2506.1
5°	2450.1	2457.3	2459.8	2459.8	2473.3	2478.1	2483.0	2494.0	2495.1	2502.5	2511.0
7.5°	2415.9	2424.4	2429.3	2440.3	2448.8	2457.3	2472.0	2479.3	2486.6	2496.5	2507.3
10°	2383.0	2392.8	2402.5	2411.0	2424.4	2435.5	2445.1	2462.3	2470.8	2484.2	2498.8
12.5°	2351.3	2364.7	2373.3	2387.8	2402.5	2412.3	2426.9	2442.8	2456.1	2469.6	2486.6
15°	2323.3	2339.1	2348.8	2364.7	2380.6	2394.0	2409.8	2429.3	2439.1	2455.0	2470.8
17.5°	2292.7	2309.8	2322.0	2336.6	2356.1	2370.8	2384.3	2403.8	2415.9	2433.0	2451.3
20°	2261.1	2278.1	2292.7	2307.4	2326.9	2341.5	2357.4	2376.9	2390.3	2407.3	2422.0
22.5°	2223.3	2239.1	2254.9	2272.0	2291.5	2303.8	2322.0	2339.1	2353.8	2369.6	2384.3
25°	2174.4	2194.0	2206.1	2222.0	2237.9	2251.3	2270.8	2287.8	2300.1	2314.8	2328.1
27.5°	2117.1	2131.8	2141.6	2154.9	2170.8	2183.0	2197.6	2214.8	2226.9	2240.3	2250.1
30°	2019.6	2033.0	2041.6	2051.3	2067.1	2078.1	2090.3	2106.1	2114.7	2124.4	2133.0
32.5°	1891.5	1902.4	1907.4	1914.7	1925.7	1936.6	1946.4	1959.8	1963.4	1969.6	1969.6
35°	1706.2	1708.6	1707.4	1709.9	1714.7	1720.7	1729.3	1737.9	1742.7	1742.7	1739.1
37.5°	1489.0	1474.5	1458.6	1446.4	1442.7	1440.3	1445.2	1448.8	1453.7	1456.2	1450.0
40°	1263.5	1230.5	1195.1	1163.4	1141.5	1131.8	1128.1	1130.5	1130.5	1139.0	1139.0
42.5°	1069.5	1018.3	965.9	918.3	886.6	862.3	851.3	851.3	852.4	858.6	862.3
45°	908.6	843.9	782.9	730.6	686.6	654.9	640.3	636.6	635.4	637.8	646.4
47.5°	785.4	718.3	654.9	590.3	543.9	512.2	498.8	493.9	489.0	493.9	495.1
50°	689.1	619.6	552.4	487.9	439.0	411.0	393.9	386.5	385.4	385.4	387.9
52.5°	601.2	536.6	469.6	403.7	352.4	325.7	309.7	306.1	301.2	306.1	306.1
55°	518.2	453.7	387.9	325.7	282.9	254.9	240.2	235.4	232.9	236.5	236.5
57.5°	428.1	373.2	312.2	256.1	213.4	193.9	182.9	176.9	175.5	178.0	175.5
60°	351.2	304.9	252.4	201.2	168.3	147.6	139.0	136.5	134.2	136.5	136.5
62.5°	278.0	239.0	196.3	157.3	129.3	114.7	104.8	104.8	103.7	103.7	104.8
65°	206.2	175.5	145.2	112.2	90.2	79.3	72.0	72.0	70.7	72.0	70.7
67.5°	150.0	129.3	104.8	81.7	64.7	58.5	53.7	50.0	52.5	50.0	48.8
70°	109.7	92.7	75.6	62.2	50.0	43.9	40.2	39.0	36.5	36.5	36.5
72.5°	73.2	62.2	51.2	40.2	33.0	26.8	25.6	23.2	20.7	22.0	24.4
75°	48.8	41.5	36.5	29.3	22.0	22.0	14.7	14.7	12.2	14.7	11.0
77.5°	34.1	28.0	22.0	18.3	14.7	13.5	9.8	9.8	8.5	8.5	8.5
80°	24.4	20.7	15.9	13.5	9.8	9.8	8.5	7.3	6.1	6.1	7.3
82.5°	14.7	11.0	11.0	9.8	6.1	4.8	3.7	4.8	2.5	2.5	2.5
85°	8.5	7.3	6.1	3.7	2.5	2.5	1.2	0.0	1.2	1.2	0.0
87.5°	4.8	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°	2497.6	2497.6	2497.6	2497.6	2497.6	2497.6	2497.6	2497.6	2497.6	2497.6	2497.6
2.5°	2512.3	2511.0	2513.5	2513.5	2520.8	2519.6	2523.3	2523.3	2520.8	2522.0	2526.8
5°	2520.8	2524.5	2531.8	2537.9	2548.8	2553.8	2559.8	2566.0	2567.2	2570.8	2574.5
7.5°	2520.8	2533.0	2541.5	2552.5	2567.2	2575.7	2589.1	2600.0	2605.0	2611.0	2618.3
10°	2515.9	2528.1	2544.0	2556.1	2574.5	2587.9	2601.3	2618.3	2625.7	2635.5	2645.2
12.5°	2506.1	2519.6	2536.6	2552.5	2573.3	2585.5	2602.5	2618.3	2629.3	2642.8	2653.7
15°	2491.5	2507.3	2523.3	2539.1	2561.0	2575.7	2591.5	2609.8	2620.8	2635.5	2645.2
17.5°	2468.3	2485.5	2500.1	2514.7	2535.5	2552.5	2567.2	2584.2	2595.2	2607.4	2620.8
20°	2440.3	2456.1	2472.0	2484.2	2505.0	2519.6	2535.5	2551.3	2559.8	2562.3	2583.0
22.5°	2405.0	2415.9	2428.1	2447.6	2459.8	2473.3	2487.9	2502.5	2511.0	2524.5	2531.8
25°	2346.4	2357.4	2370.8	2379.3	2394.0	2405.0	2419.6	2435.5	2440.3	2450.1	2457.3
27.5°	2264.8	2270.8	2276.9	2284.1	2292.7	2298.8	2307.4	2314.8	2319.6	2324.4	2329.3
30°	2135.4	2135.4	2135.4	2130.6	2134.2	2137.9	2139.1	2137.9	2137.9	2136.6	2136.6
32.5°	1964.7	1954.9	1943.9	1934.2	1930.6	1925.7	1923.2	1919.6	1913.4	1909.8	1911.0
35°	1734.2	1712.2	1698.9	1686.7	1676.9	1669.6	1665.9	1662.2	1661.0	1656.2	1651.2
37.5°	1446.4	1430.5	1420.8	1413.5	1404.9	1397.6	1398.8	1400.0	1403.7	1401.2	1402.5
40°	1141.5	1137.8	1141.5	1133.0	1130.5	1133.0	1139.0	1147.6	1152.5	1157.3	1165.8
42.5°	868.3	874.4	883.0	883.0	886.6	891.5	898.8	912.3	919.6	928.1	937.8
45°	653.7	661.1	672.0	675.6	678.1	684.1	692.8	703.7	708.6	715.9	724.4
47.5°	503.7	508.6	514.7	520.7	526.9	529.3	537.9	537.9	543.9	548.8	551.2
50°	392.7	397.6	402.4	406.1	408.6	412.2	414.7	418.2	419.5	421.9	423.2
52.5°	307.3	313.4	313.4	315.9	319.5	323.2	322.0	323.2	324.4	324.4	328.0
55°	240.2	240.2	243.9	243.9	246.4	245.2	246.4	246.4	246.4	246.4	247.6
57.5°	179.2	180.5	184.2	181.7	180.5	182.9	180.5	182.9	181.7	184.2	180.5
60°	137.8	137.8	139.0	139.0	140.2	140.2	140.2	139.0	139.0	137.8	137.8
62.5°	103.7	104.8	106.2	104.8	104.8	104.8	103.7	103.7	102.5	101.2	101.2
65°	69.5	68.3	70.7	68.3	69.5	69.5	68.3	69.5	65.9	67.0	65.9
67.5°	50.0	48.8	47.6	48.8	47.6	46.3	46.3	47.6	48.8	45.2	45.2
70°	33.0	34.1	33.0	34.1	35.4	35.4	34.1	33.0	34.1	31.7	33.0
72.5°	20.7	20.7	20.7	20.7	20.7	22.0	22.0	22.0	19.5	19.5	18.3
75°	9.8	13.5	11.0	9.8	13.5	13.5	12.2	12.2	11.0	11.0	11.0
77.5°	9.8	7.3	7.3	7.3	7.3	7.3	7.3	7.3	6.1	7.3	6.1
80°	4.8	4.8	4.8	3.7	4.8	4.8	6.1	4.8	4.8	3.7	6.1
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: P245885

CATALOG NUMBER: LSR8B50D010 EC8B50930 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	2497.6	2497.6	2497.6	2497.6	2497.6	2497.6	2497.6	2497.6	2497.6	2497.6	2497.6
2.5°	2525.7	2524.5	2525.7	2526.8	2525.7	2524.5	2525.7	2526.8	2522.0	2520.8	2523.3
5°	2579.3	2579.3	2581.8	2583.0	2581.8	2579.3	2579.3	2574.5	2570.8	2567.2	2566.0
7.5°	2625.7	2628.2	2630.5	2631.8	2630.5	2628.2	2625.7	2618.3	2611.0	2605.0	2600.0
10°	2653.7	2657.4	2662.3	2664.7	2662.3	2657.4	2653.7	2645.2	2635.5	2625.7	2618.3
12.5°	2666.0	2669.7	2675.7	2674.5	2675.7	2669.7	2666.0	2653.7	2642.8	2629.3	2618.3
15°	2657.4	2662.3	2668.3	2670.8	2668.3	2662.3	2657.4	2645.2	2635.5	2620.8	2609.8
17.5°	2630.5	2637.9	2641.5	2645.2	2641.5	2637.9	2630.5	2620.8	2607.4	2595.2	2584.2
20°	2594.0	2598.9	2603.7	2605.0	2603.7	2598.9	2594.0	2583.0	2562.3	2559.8	2551.3
22.5°	2541.5	2545.2	2556.1	2552.5	2556.1	2545.2	2541.5	2531.8	2524.5	2511.0	2502.5
25°	2465.9	2469.6	2470.8	2472.0	2470.8	2469.6	2465.9	2457.3	2450.1	2440.3	2435.5
27.5°	2335.5	2335.5	2337.8	2339.1	2337.8	2335.5	2335.5	2329.3	2324.4	2319.6	2314.8
30°	2137.9	2137.9	2137.9	2144.0	2137.9	2137.9	2137.9	2136.6	2136.6	2137.9	2137.9
32.5°	1909.8	1907.4	1904.9	1907.4	1904.9	1907.4	1909.8	1911.0	1909.8	1913.4	1919.6
35°	1651.2	1650.0	1653.7	1648.9	1653.7	1650.0	1651.2	1651.2	1656.2	1661.0	1662.2
37.5°	1403.7	1401.2	1406.2	1401.2	1406.2	1401.2	1403.7	1402.5	1401.2	1403.7	1400.0
40°	1168.3	1170.8	1170.8	1180.5	1170.8	1170.8	1168.3	1165.8	1157.3	1152.5	1147.6
42.5°	942.8	950.0	947.6	954.9	947.6	950.0	942.8	937.8	928.1	919.6	912.3
45°	729.3	734.1	734.1	736.6	734.1	734.1	729.3	724.4	715.9	708.6	703.7
47.5°	559.7	559.7	559.7	561.1	559.7	559.7	559.7	551.2	548.8	543.9	537.9
50°	425.6	426.9	428.1	429.3	428.1	426.9	425.6	423.2	421.9	419.5	418.2
52.5°	326.9	328.0	325.7	328.0	325.7	328.0	326.9	328.0	324.4	324.4	323.2
55°	247.6	246.4	247.6	248.7	247.6	246.4	247.6	247.6	246.4	246.4	246.4
57.5°	181.7	179.2	179.2	179.2	179.2	179.2	181.7	180.5	184.2	181.7	182.9
60°	135.4	136.5	136.5	137.8	136.5	136.5	135.4	137.8	137.8	139.0	139.0
62.5°	100.0	103.7	101.2	103.7	101.2	103.7	100.0	101.2	101.2	102.5	103.7
65°	64.7	64.7	64.7	65.9	64.7	64.7	64.7	65.9	67.0	65.9	69.5
67.5°	43.9	45.2	47.6	46.3	47.6	45.2	43.9	45.2	45.2	48.8	47.6
70°	35.4	31.7	31.7	35.4	31.7	31.7	35.4	33.0	31.7	34.1	33.0
72.5°	20.7	18.3	20.7	20.7	20.7	18.3	20.7	18.3	19.5	19.5	22.0
75°	11.0	9.8	8.5	12.2	8.5	9.8	11.0	11.0	11.0	11.0	12.2
77.5°	7.3	6.1	8.5	8.5	8.5	6.1	7.3	6.1	7.3	6.1	7.3
80°	3.7	4.8	3.7	6.1	3.7	4.8	3.7	6.1	3.7	4.8	4.8
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: P245885

CATALOG NUMBER: LSR8B50D010 EC8B50930 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	2497.6	2497.6	2497.6	2497.6	2497.6	2497.6	2497.6	2497.6	2497.6	2497.6	2497.6
2.5°	2523.3	2519.6	2520.8	2513.5	2513.5	2511.0	2512.3	2506.1	2503.8	2501.3	2505.0
5°	2559.8	2553.8	2548.8	2537.9	2531.8	2524.5	2520.8	2511.0	2502.5	2495.1	2494.0
7.5°	2589.1	2575.7	2567.2	2552.5	2541.5	2533.0	2520.8	2507.3	2496.5	2486.6	2479.3
10°	2601.3	2587.9	2574.5	2556.1	2544.0	2528.1	2515.9	2498.8	2484.2	2470.8	2462.3
12.5°	2602.5	2585.5	2573.3	2552.5	2536.6	2519.6	2506.1	2486.6	2469.6	2456.1	2442.8
15°	2591.5	2575.7	2561.0	2539.1	2523.3	2507.3	2491.5	2470.8	2455.0	2439.1	2429.3
17.5°	2567.2	2552.5	2535.5	2514.7	2500.1	2485.5	2468.3	2451.3	2433.0	2415.9	2403.8
20°	2535.5	2519.6	2505.0	2484.2	2472.0	2456.1	2440.3	2422.0	2407.3	2390.3	2376.9
22.5°	2487.9	2473.3	2459.8	2447.6	2428.1	2415.9	2405.0	2384.3	2369.6	2353.8	2339.1
25°	2419.6	2405.0	2394.0	2379.3	2370.8	2357.4	2346.4	2328.1	2314.8	2300.1	2287.8
27.5°	2307.4	2298.8	2292.7	2284.1	2276.9	2270.8	2264.8	2250.1	2240.3	2226.9	2214.8
30°	2139.1	2137.9	2134.2	2130.6	2135.4	2135.4	2135.4	2133.0	2124.4	2114.7	2106.1
32.5°	1923.2	1925.7	1930.6	1934.2	1943.9	1954.9	1964.7	1969.6	1969.6	1963.4	1959.8
35°	1665.9	1669.6	1676.9	1686.7	1698.9	1712.2	1734.2	1739.1	1742.7	1742.7	1737.9
37.5°	1398.8	1397.6	1404.9	1413.5	1420.8	1430.5	1446.4	1450.0	1456.2	1453.7	1448.8
40°	1139.0	1133.0	1130.5	1133.0	1141.5	1137.8	1141.5	1139.0	1139.0	1130.5	1130.5
42.5°	898.8	891.5	886.6	883.0	883.0	874.4	868.3	862.3	858.6	852.4	851.3
45°	692.8	684.1	678.1	675.6	672.0	661.1	653.7	646.4	637.8	635.4	636.6
47.5°	537.9	529.3	526.9	520.7	514.7	508.6	503.7	495.1	493.9	489.0	493.9
50°	414.7	412.2	408.6	406.1	402.4	397.6	392.7	387.9	385.4	385.4	386.5
52.5°	322.0	323.2	319.5	315.9	313.4	313.4	307.3	306.1	306.1	301.2	306.1
55°	246.4	245.2	246.4	243.9	243.9	240.2	240.2	236.5	236.5	232.9	235.4
57.5°	180.5	182.9	180.5	181.7	184.2	180.5	179.2	175.5	178.0	175.5	176.9
60°	140.2	140.2	140.2	139.0	139.0	137.8	137.8	136.5	136.5	134.2	136.5
62.5°	103.7	104.8	104.8	104.8	106.2	104.8	103.7	104.8	103.7	103.7	104.8
65°	68.3	69.5	69.5	68.3	70.7	68.3	69.5	70.7	72.0	70.7	72.0
67.5°	46.3	46.3	47.6	48.8	47.6	48.8	50.0	48.8	50.0	52.5	50.0
70°	34.1	35.4	35.4	34.1	33.0	34.1	33.0	36.5	36.5	36.5	39.0
72.5°	22.0	22.0	20.7	20.7	20.7	20.7	20.7	24.4	22.0	20.7	23.2
75°	12.2	13.5	13.5	9.8	11.0	13.5	9.8	11.0	14.7	12.2	14.7
77.5°	7.3	7.3	7.3	7.3	7.3	7.3	9.8	8.5	8.5	8.5	9.8
80°	6.1	4.8	4.8	3.7	4.8	4.8	4.8	7.3	6.1	6.1	7.3
82.5°	2.5	2.5	1.2	0.0	2.5	2.5	2.5	2.5	2.5	2.5	4.8
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: P245885

CATALOG NUMBER: LSR8B50D010 EC8B50930 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	2497.6	2497.6	2497.6	2497.6	2497.6	2497.6	2497.6	2497.6	2497.6	2497.6	2497.6
2.5°	2495.1	2495.1	2494.0	2491.5	2486.6	2486.6	2485.5	2481.8	2479.3	2478.1	2478.1
5°	2483.0	2478.1	2473.3	2459.8	2459.8	2457.3	2450.1	2445.1	2442.8	2436.6	2434.3
7.5°	2472.0	2457.3	2448.8	2440.3	2429.3	2424.4	2415.9	2412.3	2403.8	2397.6	2394.0
10°	2445.1	2435.5	2424.4	2411.0	2402.5	2392.8	2383.0	2375.7	2364.7	2358.6	2353.8
12.5°	2426.9	2412.3	2402.5	2387.8	2373.3	2364.7	2351.3	2342.8	2331.8	2319.6	2312.3
15°	2409.8	2394.0	2380.6	2364.7	2348.8	2339.1	2323.3	2313.5	2297.6	2285.5	2276.9
17.5°	2384.3	2370.8	2356.1	2336.6	2322.0	2309.8	2292.7	2280.6	2265.9	2250.1	2241.6
20°	2357.4	2341.5	2326.9	2307.4	2292.7	2278.1	2261.1	2247.6	2230.6	2215.9	2206.1
22.5°	2322.0	2303.8	2291.5	2272.0	2254.9	2239.1	2223.3	2207.4	2191.6	2179.3	2168.4
25°	2270.8	2251.3	2237.9	2222.0	2206.1	2194.0	2174.4	2164.8	2148.8	2137.9	2126.9
27.5°	2197.6	2183.0	2170.8	2154.9	2141.6	2131.8	2117.1	2107.4	2093.9	2084.2	2075.6
30°	2090.3	2078.1	2067.1	2051.3	2041.6	2033.0	2019.6	2011.0	2001.3	1990.3	1987.9
32.5°	1946.4	1936.6	1925.7	1914.7	1907.4	1902.4	1891.5	1886.6	1876.9	1870.7	1864.7
35°	1729.3	1720.7	1714.7	1709.9	1707.4	1708.6	1706.2	1711.0	1713.4	1712.2	1713.4
37.5°	1445.2	1440.3	1442.7	1446.4	1458.6	1474.5	1489.0	1511.0	1525.7	1540.4	1553.7
40°	1128.1	1131.8	1141.5	1163.4	1195.1	1230.5	1263.5	1305.0	1346.4	1375.7	1402.5
42.5°	851.3	862.3	886.6	918.3	965.9	1018.3	1069.5	1130.5	1180.5	1229.3	1263.5
45°	640.3	654.9	686.6	730.6	782.9	843.9	908.6	976.8	1036.6	1086.6	1124.5
47.5°	498.8	512.2	543.9	590.3	654.9	718.3	785.4	856.1	918.3	967.1	1000.0
50°	393.9	411.0	439.0	487.9	552.4	619.6	689.1	758.6	817.1	858.6	887.8
52.5°	309.7	325.7	352.4	403.7	469.6	536.6	601.2	669.6	720.7	761.0	780.6
55°	240.2	254.9	282.9	325.7	387.9	453.7	518.2	576.9	624.4	653.7	672.0
57.5°	182.9	193.9	213.4	256.1	312.2	373.2	428.1	486.6	523.2	543.9	556.1
60°	139.0	147.6	168.3	201.2	252.4	304.9	351.2	395.2	424.4	441.4	453.7
62.5°	104.8	114.7	129.3	157.3	196.3	239.0	278.0	311.0	335.4	346.4	354.9
65°	72.0	79.3	90.2	112.2	145.2	175.5	206.2	230.5	246.4	258.6	263.4
67.5°	53.7	58.5	64.7	81.7	104.8	129.3	150.0	167.0	184.2	189.0	197.6
70°	40.2	43.9	50.0	62.2	75.6	92.7	109.7	119.5	131.7	140.2	142.7
72.5°	25.6	26.8	33.0	40.2	51.2	62.2	73.2	81.7	89.0	93.9	96.3
75°	14.7	22.0	22.0	29.3	36.5	41.5	48.8	54.8	58.5	62.2	62.2
77.5°	9.8	13.5	14.7	18.3	22.0	28.0	34.1	37.8	41.5	42.7	42.7
80°	8.5	9.8	9.8	13.5	15.9	20.7	24.4	25.6	28.0	29.3	31.7
82.5°	3.7	4.8	6.1	9.8	11.0	11.0	14.7	15.9	18.3	19.5	19.5
85°	1.2	2.5	2.5	3.7	6.1	7.3	8.5	9.8	11.0	11.0	12.2
87.5°	1.2	1.2	0.0	1.2	2.5	2.5	4.8	4.8	4.8	7.3	7.3
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: P245885

CATALOG NUMBER: LSR8B50D010 EC8B50930 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	2497.6	2497.6	2497.6	2497.6	2497.6	2497.6	2497.6
2.5°	2475.7	2476.8	2472.0	2470.8	2468.3	2469.6	2472.0
5°	2430.6	2431.8	2426.9	2422.0	2422.0	2420.8	2422.0
7.5°	2387.8	2389.1	2381.8	2379.3	2374.4	2375.7	2375.7
10°	2345.1	2345.1	2334.3	2333.0	2329.3	2328.1	2328.1
12.5°	2303.8	2300.1	2291.5	2286.6	2289.1	2281.8	2281.8
15°	2267.1	2261.1	2250.1	2246.4	2240.3	2237.9	2237.9
17.5°	2229.3	2224.4	2214.8	2207.4	2200.1	2198.8	2200.1
20°	2192.7	2187.9	2175.6	2170.8	2164.8	2164.8	2162.3
22.5°	2156.1	2151.3	2140.3	2136.6	2128.1	2128.1	2129.3
25°	2118.4	2114.7	2102.4	2100.1	2098.8	2093.9	2096.4
27.5°	2067.1	2064.7	2054.9	2051.3	2046.4	2045.2	2047.6
30°	1973.2	1969.6	1962.3	1958.6	1950.1	1951.3	1953.7
32.5°	1856.2	1851.3	1841.5	1837.9	1830.6	1828.1	1829.2
35°	1709.9	1706.2	1697.6	1697.6	1690.4	1687.9	1690.4
37.5°	1561.0	1564.7	1561.0	1564.7	1561.0	1559.8	1561.0
40°	1420.8	1434.2	1436.6	1450.0	1445.2	1452.5	1451.2
42.5°	1286.6	1308.5	1317.2	1328.0	1325.7	1330.5	1334.2
45°	1151.3	1169.5	1178.1	1185.5	1186.6	1189.0	1190.3
47.5°	1023.1	1037.8	1039.1	1047.6	1046.3	1046.3	1050.0
50°	903.8	913.4	915.9	922.0	917.1	914.6	915.9
52.5°	792.8	802.4	799.9	802.4	796.4	793.9	795.1
55°	679.3	684.1	684.1	684.1	676.9	676.9	676.9
57.5°	563.4	564.6	562.2	563.4	562.2	554.9	553.7
60°	457.4	457.4	456.1	457.4	453.7	450.0	450.0
62.5°	357.3	359.7	364.7	359.7	357.3	359.7	356.1
65°	267.1	272.0	270.7	273.2	272.0	272.0	269.5
67.5°	201.2	202.5	203.7	204.9	204.9	204.9	204.9
70°	147.6	151.2	150.0	150.0	150.0	150.0	157.3
72.5°	98.8	103.7	102.5	104.8	104.8	107.3	104.8
75°	67.0	72.0	69.5	73.2	72.0	69.5	75.6
77.5°	45.2	47.6	48.8	50.0	48.8	47.6	48.8
80°	31.7	34.1	33.0	34.1	34.1	34.1	35.4
82.5°	19.5	23.2	22.0	23.2	22.0	23.2	23.2
85°	13.5	14.7	12.2	14.7	13.5	13.5	15.9
87.5°	8.5	7.3	7.3	8.5	7.3	8.5	7.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)