

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: P244576

Luminaire Tested: **LSR8B40D010 EC8B40950 8LBSW0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P244576  
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: LSR8B40D010 EC8B40950 8LBSW0H  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT- CYLINDEC  
90 CRI 5000 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4058.0 lumens  
Efficiency: N/A  
Efficacy: 99.2 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

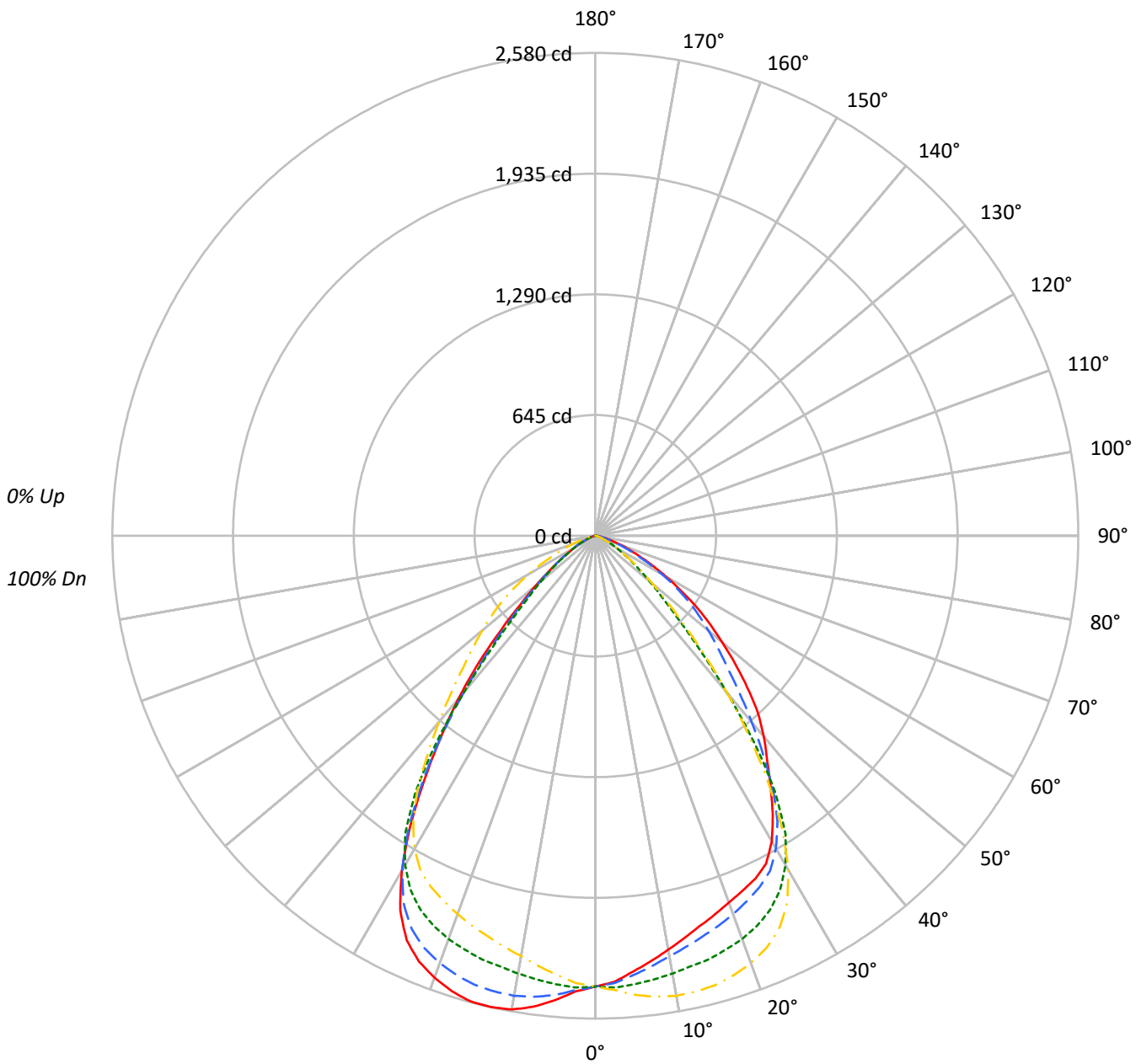
Input Watts (W): 40.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P244576

CATALOG NUMBER: LSR8B40D010 EC8B40950 8LBSW0H

### Luminous Intensity Polar Plot



— 0°-180°    - - 45°-225°    - - - 90°-270°    - - - 135°-315°



TEST NUMBER: P244576

CATALOG NUMBER: LSR8B40D010 EC8B40950 8LBSW0H

**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°	74288	74288	74288	74288
5°	72315	74463	77122	74463
10°	70314	74366	80478	74366
15°	68908	74808	82240	74808
20°	68440	75236	82452	75236
25°	68800	75084	81127	75084
30°	67097	72335	73635	72335
35°	61375	63099	59869	63099
40°	56347	43893	45837	43893
45°	50068	26776	30984	26776
50°	42379	17889	19866	17889
55°	35101	12204	12903	12204
60°	26772	8122	8196	8122
65°	18971	5064	4633	5064
70°	13677	3390	3074	3390
75°	8685	1680	1406	1680
80°	6055	1261	1048	1261
85°	5413	0	425	0



TEST NUMBER: P244576

CATALOG NUMBER: LSR8B40D010 EC8B40950 8LBSW0H

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	229.3	5.7
10°-20°	664.0	16.4
20°-30°	1005.5	24.8
30°-40°	1007.7	24.8
40°-50°	632.8	15.6
50°-60°	337.2	8.3
60°-70°	138.7	3.4
70°-80°	36.6	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°	1898.8	46.8
0°-40°	2906.5	71.6
0°-60°	3876.5	95.5
0°-90°	4058.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4058.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2409	2409	2409	2409	2409	
5°	2336	2406	2492	2406	2336	220
15°	2158	2343	2576	2343	2158	610
25°	2022	2207	2384	2207	2022	927
35°	1630	1676	1590	1676	1630	1021
45°	1148	614	710	614	1148	883
55°	653	227	240	227	653	582
65°	260	69	64	69	260	270
75°	73	14	12	14	73	83
85°	15	0	1	0	15	17
90°	0	0	0	0	0	



TEST NUMBER: P244576

CATALOG NUMBER: LSR8B40D010 EC8B40950 8LBSW0H

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	2409.1	2409.1	2409.1	2409.1	2409.1	2409.1	2409.1	2409.1	2409.1	2409.1	2409.1
2.5°	2384.4	2382.0	2380.9	2383.3	2384.4	2389.1	2387.9	2390.3	2390.3	2391.5	2393.8
5°	2336.2	2335.0	2336.2	2336.2	2340.9	2345.6	2344.4	2348.0	2350.3	2356.2	2358.5
7.5°	2291.5	2291.5	2290.3	2295.0	2297.4	2304.4	2303.2	2309.1	2312.7	2318.5	2326.7
10°	2245.6	2245.6	2246.8	2250.3	2251.5	2262.1	2262.1	2270.3	2275.0	2280.9	2291.5
12.5°	2200.9	2200.9	2208.0	2205.6	2210.3	2218.5	2222.1	2230.3	2237.4	2249.1	2259.7
15°	2158.5	2158.5	2160.9	2166.8	2170.3	2180.9	2186.8	2196.2	2204.4	2216.2	2231.5
17.5°	2122.1	2120.9	2122.1	2129.2	2136.2	2145.6	2150.3	2162.1	2170.3	2185.6	2199.7
20°	2085.6	2088.0	2088.0	2093.9	2098.6	2110.3	2115.0	2128.0	2137.4	2151.5	2168.0
22.5°	2053.9	2052.7	2052.7	2060.9	2064.5	2075.0	2079.7	2091.5	2102.1	2113.9	2129.2
25°	2022.1	2019.7	2024.5	2025.6	2028.0	2039.7	2043.3	2051.5	2062.1	2072.7	2088.0
27.5°	1975.0	1972.7	1973.9	1978.6	1982.1	1991.5	1993.9	2002.1	2010.3	2019.7	2032.7
30°	1884.4	1882.1	1881.0	1889.2	1892.7	1899.7	1903.3	1917.4	1919.7	1930.3	1939.7
32.5°	1764.5	1763.3	1765.7	1772.7	1776.2	1785.7	1790.4	1798.6	1804.5	1810.4	1819.8
35°	1630.4	1628.0	1630.4	1637.5	1637.5	1645.7	1649.2	1652.7	1651.6	1652.7	1650.4
37.5°	1505.7	1504.5	1505.7	1509.2	1505.7	1509.2	1505.7	1498.6	1485.7	1471.6	1457.4
40°	1399.8	1401.0	1394.0	1398.7	1385.7	1383.4	1370.4	1352.8	1326.9	1298.7	1258.7
42.5°	1286.9	1283.4	1278.7	1281.0	1270.5	1262.2	1241.0	1218.7	1185.7	1138.7	1090.4
45°	1148.1	1146.9	1144.6	1143.4	1136.3	1128.1	1110.4	1084.6	1048.1	999.9	942.2
47.5°	1012.8	1009.3	1009.3	1010.4	1002.2	1001.1	986.9	964.6	932.8	885.8	825.8
50°	883.4	882.2	884.6	889.3	883.4	881.1	871.7	856.4	828.1	788.2	731.7
52.5°	766.9	765.8	768.2	774.0	771.6	774.0	764.6	752.9	734.0	695.2	645.8
55°	652.9	652.9	652.9	659.9	659.9	659.9	655.2	648.2	630.5	602.3	556.4
57.5°	534.1	535.2	542.3	543.4	542.3	544.7	543.4	536.4	524.7	504.7	469.4
60°	434.1	434.1	437.6	441.1	439.9	441.1	441.1	437.6	425.8	409.4	381.1
62.5°	343.5	347.0	344.6	347.0	351.7	347.0	344.6	342.3	334.1	323.5	300.0
65°	260.0	262.3	262.3	263.5	261.1	262.3	257.6	254.1	249.4	237.6	222.3
67.5°	197.6	197.6	197.6	197.6	196.4	195.3	194.1	190.6	182.3	177.6	161.1
70°	151.7	144.7	144.7	144.7	144.7	145.9	142.4	137.7	135.3	127.0	115.3
72.5°	101.1	103.5	101.1	101.1	98.8	100.0	95.3	92.9	90.6	85.9	78.8
75°	72.9	67.1	69.4	70.6	67.1	69.4	64.7	60.0	60.0	56.5	52.9
77.5°	47.1	45.9	47.1	48.2	47.1	45.9	43.5	41.2	41.2	40.0	36.5
80°	34.1	32.9	32.9	32.9	31.8	32.9	30.6	30.6	28.2	27.1	24.7
82.5°	22.4	22.4	21.2	22.4	21.2	22.4	18.8	18.8	18.8	17.6	15.3
85°	15.3	12.9	12.9	14.1	11.8	14.1	12.9	11.8	10.6	10.6	9.4
87.5°	7.1	8.2	7.1	8.2	7.1	7.1	8.2	7.1	7.1	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



TEST NUMBER: P244576

CATALOG NUMBER: LSR8B40D010 EC8B40950 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	2409.1	2409.1	2409.1	2409.1	2409.1	2409.1	2409.1	2409.1	2409.1	2409.1	2409.1
2.5°	2397.3	2398.5	2398.5	2403.2	2405.6	2406.7	2406.7	2416.2	2412.6	2415.0	2417.3
5°	2363.3	2370.3	2372.6	2372.6	2385.6	2390.3	2395.0	2405.6	2406.7	2413.8	2422.0
7.5°	2330.3	2338.5	2343.3	2353.8	2362.0	2370.3	2384.4	2391.5	2398.5	2407.9	2418.5
10°	2298.5	2308.0	2317.4	2325.6	2338.5	2349.1	2358.5	2375.0	2383.3	2396.2	2410.3
12.5°	2268.0	2280.9	2289.1	2303.2	2317.4	2326.7	2340.9	2356.2	2369.1	2382.0	2398.5
15°	2240.9	2256.2	2265.6	2280.9	2296.2	2309.1	2324.4	2343.3	2352.7	2368.0	2383.3
17.5°	2211.5	2228.0	2239.7	2253.8	2272.7	2286.8	2299.7	2318.5	2330.3	2346.7	2364.4
20°	2180.9	2197.4	2211.5	2225.6	2244.4	2258.5	2273.8	2292.7	2305.6	2322.0	2336.2
22.5°	2144.5	2159.8	2175.0	2191.5	2210.3	2222.1	2239.7	2256.2	2270.3	2285.6	2299.7
25°	2097.4	2116.2	2128.0	2143.2	2158.5	2171.5	2190.3	2206.8	2218.5	2232.7	2245.6
27.5°	2042.1	2056.2	2065.6	2078.6	2093.9	2105.6	2119.7	2136.2	2148.0	2160.9	2170.3
30°	1948.0	1960.9	1969.2	1978.6	1993.9	2004.5	2016.2	2031.5	2039.7	2049.2	2057.4
32.5°	1824.5	1835.1	1839.8	1846.8	1857.4	1868.0	1877.4	1890.4	1893.9	1899.7	1899.7
35°	1645.7	1648.0	1646.9	1649.2	1653.9	1659.8	1668.0	1676.2	1680.9	1680.9	1677.5
37.5°	1436.3	1422.2	1406.9	1395.1	1391.6	1389.2	1394.0	1397.5	1402.2	1404.5	1398.7
40°	1218.7	1186.9	1152.8	1122.2	1101.0	1091.6	1088.1	1090.4	1090.4	1098.7	1098.7
42.5°	1031.7	982.2	931.7	885.8	855.2	831.7	821.1	821.1	822.2	828.1	831.7
45°	876.4	814.0	755.2	704.6	662.3	631.7	617.6	614.0	612.9	615.2	623.4
47.5°	757.6	692.9	631.7	569.4	524.7	494.1	481.1	476.4	471.7	476.4	477.6
50°	664.6	597.6	532.9	470.5	423.5	396.4	379.9	372.9	371.7	371.7	374.1
52.5°	579.9	517.6	452.9	389.4	339.9	314.1	298.8	295.3	290.6	295.3	295.3
55°	499.9	437.6	374.1	314.1	272.9	245.9	231.7	227.0	224.7	228.2	228.2
57.5°	412.9	359.9	301.2	247.0	205.9	187.0	176.4	170.6	169.4	171.7	169.4
60°	338.8	294.1	243.5	194.1	162.3	142.4	134.1	131.7	129.4	131.7	131.7
62.5°	268.2	230.6	189.4	151.7	124.7	110.6	101.1	101.1	100.0	100.0	101.1
65°	198.8	169.4	140.0	108.2	87.1	76.5	69.4	69.4	68.2	69.4	68.2
67.5°	144.7	124.7	101.1	78.8	62.4	56.5	51.8	48.2	50.6	48.2	47.1
70°	105.9	89.4	72.9	60.0	48.2	42.4	38.8	37.6	35.3	35.3	35.3
72.5°	70.6	60.0	49.4	38.8	31.8	25.9	24.7	22.4	20.0	21.2	23.5
75°	47.1	40.0	35.3	28.2	21.2	21.2	14.1	14.1	11.8	14.1	10.6
77.5°	32.9	27.1	21.2	17.6	14.1	12.9	9.4	9.4	8.2	8.2	8.2
80°	23.5	20.0	15.3	12.9	9.4	9.4	8.2	7.1	5.9	5.9	7.1
82.5°	14.1	10.6	10.6	9.4	5.9	4.7	3.5	4.7	2.4	2.4	2.4
85°	8.2	7.1	5.9	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



TEST NUMBER: P244576

CATALOG NUMBER: LSR8B40D010 EC8B40950 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	2409.1	2409.1	2409.1	2409.1	2409.1	2409.1	2409.1	2409.1	2409.1	2409.1	2409.1
2.5°	2423.2	2422.0	2424.4	2424.4	2431.5	2430.3	2433.8	2433.8	2431.5	2432.6	2437.3
5°	2431.5	2435.0	2442.0	2447.9	2458.5	2463.2	2469.1	2475.0	2476.2	2479.7	2483.2
7.5°	2431.5	2443.2	2451.5	2462.0	2476.2	2484.4	2497.3	2507.9	2512.6	2518.5	2525.6
10°	2426.7	2438.5	2453.8	2465.6	2483.2	2496.2	2509.1	2525.6	2532.6	2542.0	2551.5
12.5°	2417.3	2430.3	2446.7	2462.0	2482.0	2493.8	2510.3	2525.6	2536.2	2549.1	2559.7
15°	2403.2	2418.5	2433.8	2449.1	2470.3	2484.4	2499.7	2517.3	2527.9	2542.0	2551.5
17.5°	2380.9	2397.3	2411.5	2425.6	2445.6	2462.0	2476.2	2492.6	2503.2	2515.0	2527.9
20°	2353.8	2369.1	2384.4	2396.2	2416.2	2430.3	2445.6	2460.9	2469.1	2471.5	2491.5
22.5°	2319.7	2330.3	2342.0	2360.9	2372.6	2385.6	2399.7	2413.8	2422.0	2435.0	2442.0
25°	2263.2	2273.8	2286.8	2295.0	2309.1	2319.7	2333.8	2349.1	2353.8	2363.3	2370.3
27.5°	2184.4	2190.3	2196.2	2203.2	2211.5	2217.4	2225.6	2232.7	2237.4	2242.1	2246.8
30°	2059.7	2059.7	2059.7	2055.0	2058.6	2062.1	2063.3	2062.1	2062.1	2060.9	2060.9
32.5°	1895.0	1885.7	1875.1	1865.7	1862.1	1857.4	1855.1	1851.5	1845.7	1842.1	1843.3
35°	1672.7	1651.6	1638.6	1626.9	1617.5	1610.4	1606.9	1603.3	1602.2	1597.5	1592.7
37.5°	1395.1	1379.8	1370.4	1363.4	1355.1	1348.1	1349.2	1350.4	1353.9	1351.6	1352.8
40°	1101.0	1097.5	1101.0	1092.8	1090.4	1092.8	1098.7	1106.9	1111.6	1116.3	1124.6
42.5°	837.5	843.4	851.7	851.7	855.2	859.9	866.9	879.9	886.9	895.2	904.6
45°	630.5	637.6	648.2	651.7	654.0	659.9	668.2	678.7	683.4	690.5	698.7
47.5°	485.8	490.5	496.4	502.3	508.2	510.5	518.8	518.8	524.7	529.4	531.7
50°	378.8	383.5	388.2	391.7	394.1	397.6	399.9	403.5	404.6	407.0	408.2
52.5°	296.4	302.3	302.3	304.6	308.2	311.7	310.6	311.7	312.9	312.9	316.4
55°	231.7	231.7	235.3	235.3	237.6	236.4	237.6	237.6	237.6	237.6	238.8
57.5°	172.9	174.1	177.6	175.3	174.1	176.4	174.1	176.4	175.3	177.6	174.1
60°	132.9	132.9	134.1	134.1	135.3	135.3	135.3	134.1	134.1	132.9	132.9
62.5°	100.0	101.1	102.4	101.1	101.1	101.1	100.0	100.0	98.8	97.6	97.6
65°	67.1	65.9	68.2	65.9	67.1	67.1	65.9	67.1	63.5	64.7	63.5
67.5°	48.2	47.1	45.9	47.1	45.9	44.7	44.7	45.9	47.1	43.5	43.5
70°	31.8	32.9	31.8	32.9	34.1	34.1	32.9	31.8	32.9	30.6	31.8
72.5°	20.0	20.0	20.0	20.0	20.0	21.2	21.2	21.2	18.8	18.8	17.6
75°	9.4	12.9	10.6	9.4	12.9	12.9	11.8	11.8	10.6	10.6	10.6
77.5°	9.4	7.1	7.1	7.1	7.1	7.1	7.1	7.1	5.9	7.1	5.9
80°	4.7	4.7	4.7	3.5	4.7	4.7	5.9	4.7	4.7	3.5	5.9
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: P244576

CATALOG NUMBER: LSR8B40D010 EC8B40950 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	2409.1	2409.1	2409.1	2409.1	2409.1	2409.1	2409.1	2409.1	2409.1	2409.1	2409.1
2.5°	2436.2	2435.0	2436.2	2437.3	2436.2	2435.0	2436.2	2437.3	2432.6	2431.5	2433.8
5°	2487.9	2487.9	2490.3	2491.5	2490.3	2487.9	2487.9	2483.2	2479.7	2476.2	2475.0
7.5°	2532.6	2535.0	2537.3	2538.5	2537.3	2535.0	2532.6	2525.6	2518.5	2512.6	2507.9
10°	2559.7	2563.2	2567.9	2570.2	2567.9	2563.2	2559.7	2551.5	2542.0	2532.6	2525.6
12.5°	2571.5	2575.0	2580.8	2579.7	2580.8	2575.0	2571.5	2559.7	2549.1	2536.2	2525.6
15°	2563.2	2567.9	2573.8	2576.1	2573.8	2567.9	2563.2	2551.5	2542.0	2527.9	2517.3
17.5°	2537.3	2544.4	2547.9	2551.5	2547.9	2544.4	2537.3	2527.9	2515.0	2503.2	2492.6
20°	2502.0	2506.8	2511.5	2512.6	2511.5	2506.8	2502.0	2491.5	2471.5	2469.1	2460.9
22.5°	2451.5	2455.0	2465.6	2462.0	2465.6	2455.0	2451.5	2442.0	2435.0	2422.0	2413.8
25°	2378.5	2382.0	2383.3	2384.4	2383.3	2382.0	2378.5	2370.3	2363.3	2353.8	2349.1
27.5°	2252.7	2252.7	2255.0	2256.2	2255.0	2252.7	2252.7	2246.8	2242.1	2237.4	2232.7
30°	2062.1	2062.1	2062.1	2068.0	2062.1	2062.1	2062.1	2060.9	2060.9	2062.1	2062.1
32.5°	1842.1	1839.8	1837.4	1839.8	1837.4	1839.8	1842.1	1843.3	1842.1	1845.7	1851.5
35°	1592.7	1591.6	1595.1	1590.4	1595.1	1591.6	1592.7	1592.7	1597.5	1602.2	1603.3
37.5°	1353.9	1351.6	1356.3	1351.6	1356.3	1351.6	1353.9	1352.8	1351.6	1353.9	1350.4
40°	1126.9	1129.3	1129.3	1138.7	1129.3	1129.3	1126.9	1124.6	1116.3	1111.6	1106.9
42.5°	909.3	916.4	914.0	921.1	914.0	916.4	909.3	904.6	895.2	886.9	879.9
45°	703.4	708.2	708.2	710.5	708.2	708.2	703.4	698.7	690.5	683.4	678.7
47.5°	539.9	539.9	539.9	541.1	539.9	539.9	539.9	531.7	529.4	524.7	518.8
50°	410.5	411.7	412.9	414.1	412.9	411.7	410.5	408.2	407.0	404.6	403.5
52.5°	315.3	316.4	314.1	316.4	314.1	316.4	315.3	316.4	312.9	312.9	311.7
55°	238.8	237.6	238.8	240.0	238.8	237.6	238.8	238.8	237.6	237.6	237.6
57.5°	175.3	172.9	172.9	172.9	172.9	172.9	175.3	174.1	177.6	175.3	176.4
60°	130.6	131.7	131.7	132.9	131.7	131.7	130.6	132.9	132.9	134.1	134.1
62.5°	96.4	100.0	97.6	100.0	97.6	100.0	96.4	97.6	97.6	98.8	100.0
65°	62.4	62.4	62.4	63.5	62.4	62.4	62.4	63.5	64.7	63.5	67.1
67.5°	42.4	43.5	45.9	44.7	45.9	43.5	42.4	43.5	43.5	47.1	45.9
70°	34.1	30.6	30.6	34.1	30.6	30.6	34.1	31.8	30.6	32.9	31.8
72.5°	20.0	17.6	20.0	20.0	20.0	17.6	20.0	17.6	18.8	18.8	21.2
75°	10.6	9.4	8.2	11.8	8.2	9.4	10.6	10.6	10.6	10.6	11.8
77.5°	7.1	5.9	8.2	8.2	8.2	5.9	7.1	5.9	7.1	5.9	7.1
80°	3.5	4.7	3.5	5.9	3.5	4.7	3.5	5.9	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: P244576

CATALOG NUMBER: LSR8B40D010 EC8B40950 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	2409.1	2409.1	2409.1	2409.1	2409.1	2409.1	2409.1	2409.1	2409.1	2409.1	2409.1
2.5°	2433.8	2430.3	2431.5	2424.4	2424.4	2422.0	2423.2	2417.3	2415.0	2412.6	2416.2
5°	2469.1	2463.2	2458.5	2447.9	2442.0	2435.0	2431.5	2422.0	2413.8	2406.7	2405.6
7.5°	2497.3	2484.4	2476.2	2462.0	2451.5	2443.2	2431.5	2418.5	2407.9	2398.5	2391.5
10°	2509.1	2496.2	2483.2	2465.6	2453.8	2438.5	2426.7	2410.3	2396.2	2383.3	2375.0
12.5°	2510.3	2493.8	2482.0	2462.0	2446.7	2430.3	2417.3	2398.5	2382.0	2369.1	2356.2
15°	2499.7	2484.4	2470.3	2449.1	2433.8	2418.5	2403.2	2383.3	2368.0	2352.7	2343.3
17.5°	2476.2	2462.0	2445.6	2425.6	2411.5	2397.3	2380.9	2364.4	2346.7	2330.3	2318.5
20°	2445.6	2430.3	2416.2	2396.2	2384.4	2369.1	2353.8	2336.2	2322.0	2305.6	2292.7
22.5°	2399.7	2385.6	2372.6	2360.9	2342.0	2330.3	2319.7	2299.7	2285.6	2270.3	2256.2
25°	2333.8	2319.7	2309.1	2295.0	2286.8	2273.8	2263.2	2245.6	2232.7	2218.5	2206.8
27.5°	2225.6	2217.4	2211.5	2203.2	2196.2	2190.3	2184.4	2170.3	2160.9	2148.0	2136.2
30°	2063.3	2062.1	2058.6	2055.0	2059.7	2059.7	2059.7	2057.4	2049.2	2039.7	2031.5
32.5°	1855.1	1857.4	1862.1	1865.7	1875.1	1885.7	1895.0	1899.7	1899.7	1893.9	1890.4
35°	1606.9	1610.4	1617.5	1626.9	1638.6	1651.6	1672.7	1677.5	1680.9	1680.9	1676.2
37.5°	1349.2	1348.1	1355.1	1363.4	1370.4	1379.8	1395.1	1398.7	1404.5	1402.2	1397.5
40°	1098.7	1092.8	1090.4	1092.8	1101.0	1097.5	1101.0	1098.7	1098.7	1090.4	1090.4
42.5°	866.9	859.9	855.2	851.7	851.7	843.4	837.5	831.7	828.1	822.2	821.1
45°	668.2	659.9	654.0	651.7	648.2	637.6	630.5	623.4	615.2	612.9	614.0
47.5°	518.8	510.5	508.2	502.3	496.4	490.5	485.8	477.6	476.4	471.7	476.4
50°	399.9	397.6	394.1	391.7	388.2	383.5	378.8	374.1	371.7	371.7	372.9
52.5°	310.6	311.7	308.2	304.6	302.3	302.3	296.4	295.3	295.3	290.6	295.3
55°	237.6	236.4	237.6	235.3	235.3	231.7	231.7	228.2	228.2	224.7	227.0
57.5°	174.1	176.4	174.1	175.3	177.6	174.1	172.9	169.4	171.7	169.4	170.6
60°	135.3	135.3	135.3	134.1	134.1	132.9	132.9	131.7	131.7	129.4	131.7
62.5°	100.0	101.1	101.1	101.1	102.4	101.1	100.0	101.1	100.0	100.0	101.1
65°	65.9	67.1	67.1	65.9	68.2	65.9	67.1	68.2	69.4	68.2	69.4
67.5°	44.7	44.7	45.9	47.1	45.9	47.1	48.2	47.1	48.2	50.6	48.2
70°	32.9	34.1	34.1	32.9	31.8	32.9	31.8	35.3	35.3	35.3	37.6
72.5°	21.2	21.2	20.0	20.0	20.0	20.0	20.0	23.5	21.2	20.0	22.4
75°	11.8	12.9	12.9	9.4	10.6	12.9	9.4	10.6	14.1	11.8	14.1
77.5°	7.1	7.1	7.1	7.1	7.1	7.1	9.4	8.2	8.2	8.2	9.4
80°	5.9	4.7	4.7	3.5	4.7	4.7	4.7	7.1	5.9	5.9	7.1
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: P244576

CATALOG NUMBER: LSR8B40D010 EC8B40950 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	2409.1	2409.1	2409.1	2409.1	2409.1	2409.1	2409.1	2409.1	2409.1	2409.1	2409.1
2.5°	2406.7	2406.7	2405.6	2403.2	2398.5	2398.5	2397.3	2393.8	2391.5	2390.3	2390.3
5°	2395.0	2390.3	2385.6	2372.6	2372.6	2370.3	2363.3	2358.5	2356.2	2350.3	2348.0
7.5°	2384.4	2370.3	2362.0	2353.8	2343.3	2338.5	2330.3	2326.7	2318.5	2312.7	2309.1
10°	2358.5	2349.1	2338.5	2325.6	2317.4	2308.0	2298.5	2291.5	2280.9	2275.0	2270.3
12.5°	2340.9	2326.7	2317.4	2303.2	2289.1	2280.9	2268.0	2259.7	2249.1	2237.4	2230.3
15°	2324.4	2309.1	2296.2	2280.9	2265.6	2256.2	2240.9	2231.5	2216.2	2204.4	2196.2
17.5°	2299.7	2286.8	2272.7	2253.8	2239.7	2228.0	2211.5	2199.7	2185.6	2170.3	2162.1
20°	2273.8	2258.5	2244.4	2225.6	2211.5	2197.4	2180.9	2168.0	2151.5	2137.4	2128.0
22.5°	2239.7	2222.1	2210.3	2191.5	2175.0	2159.8	2144.5	2129.2	2113.9	2102.1	2091.5
25°	2190.3	2171.5	2158.5	2143.2	2128.0	2116.2	2097.4	2088.0	2072.7	2062.1	2051.5
27.5°	2119.7	2105.6	2093.9	2078.6	2065.6	2056.2	2042.1	2032.7	2019.7	2010.3	2002.1
30°	2016.2	2004.5	1993.9	1978.6	1969.2	1960.9	1948.0	1939.7	1930.3	1919.7	1917.4
32.5°	1877.4	1868.0	1857.4	1846.8	1839.8	1835.1	1824.5	1819.8	1810.4	1804.5	1798.6
35°	1668.0	1659.8	1653.9	1649.2	1646.9	1648.0	1645.7	1650.4	1652.7	1651.6	1652.7
37.5°	1394.0	1389.2	1391.6	1395.1	1406.9	1422.2	1436.3	1457.4	1471.6	1485.7	1498.6
40°	1088.1	1091.6	1101.0	1122.2	1152.8	1186.9	1218.7	1258.7	1298.7	1326.9	1352.8
42.5°	821.1	831.7	855.2	885.8	931.7	982.2	1031.7	1090.4	1138.7	1185.7	1218.7
45°	617.6	631.7	662.3	704.6	755.2	814.0	876.4	942.2	999.9	1048.1	1084.6
47.5°	481.1	494.1	524.7	569.4	631.7	692.9	757.6	825.8	885.8	932.8	964.6
50°	379.9	396.4	423.5	470.5	532.9	597.6	664.6	731.7	788.2	828.1	856.4
52.5°	298.8	314.1	339.9	389.4	452.9	517.6	579.9	645.8	695.2	734.0	752.9
55°	231.7	245.9	272.9	314.1	374.1	437.6	499.9	556.4	602.3	630.5	648.2
57.5°	176.4	187.0	205.9	247.0	301.2	359.9	412.9	469.4	504.7	524.7	536.4
60°	134.1	142.4	162.3	194.1	243.5	294.1	338.8	381.1	409.4	425.8	437.6
62.5°	101.1	110.6	124.7	151.7	189.4	230.6	268.2	300.0	323.5	334.1	342.3
65°	69.4	76.5	87.1	108.2	140.0	169.4	198.8	222.3	237.6	249.4	254.1
67.5°	51.8	56.5	62.4	78.8	101.1	124.7	144.7	161.1	177.6	182.3	190.6
70°	38.8	42.4	48.2	60.0	72.9	89.4	105.9	115.3	127.0	135.3	137.7
72.5°	24.7	25.9	31.8	38.8	49.4	60.0	70.6	78.8	85.9	90.6	92.9
75°	14.1	21.2	21.2	28.2	35.3	40.0	47.1	52.9	56.5	60.0	60.0
77.5°	9.4	12.9	14.1	17.6	21.2	27.1	32.9	36.5	40.0	41.2	41.2
80°	8.2	9.4	9.4	12.9	15.3	20.0	23.5	24.7	27.1	28.2	30.6
82.5°	3.5	4.7	5.9	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	5.9	7.1	8.2	9.4	10.6	10.6	11.8
87.5°	1.2	1.2	0.0	1.2	2.4	2.4	4.7	4.7	4.7	7.1	7.1
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: P244576

CATALOG NUMBER: LSR8B40D010 EC8B40950 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	2409.1	2409.1	2409.1	2409.1	2409.1	2409.1	2409.1
2.5°	2387.9	2389.1	2384.4	2383.3	2380.9	2382.0	2384.4
5°	2344.4	2345.6	2340.9	2336.2	2336.2	2335.0	2336.2
7.5°	2303.2	2304.4	2297.4	2295.0	2290.3	2291.5	2291.5
10°	2262.1	2262.1	2251.5	2250.3	2246.8	2245.6	2245.6
12.5°	2222.1	2218.5	2210.3	2205.6	2208.0	2200.9	2200.9
15°	2186.8	2180.9	2170.3	2166.8	2160.9	2158.5	2158.5
17.5°	2150.3	2145.6	2136.2	2129.2	2122.1	2120.9	2122.1
20°	2115.0	2110.3	2098.6	2093.9	2088.0	2088.0	2085.6
22.5°	2079.7	2075.0	2064.5	2060.9	2052.7	2052.7	2053.9
25°	2043.3	2039.7	2028.0	2025.6	2024.5	2019.7	2022.1
27.5°	1993.9	1991.5	1982.1	1978.6	1973.9	1972.7	1975.0
30°	1903.3	1899.7	1892.7	1889.2	1881.0	1882.1	1884.4
32.5°	1790.4	1785.7	1776.2	1772.7	1765.7	1763.3	1764.5
35°	1649.2	1645.7	1637.5	1637.5	1630.4	1628.0	1630.4
37.5°	1505.7	1509.2	1505.7	1509.2	1505.7	1504.5	1505.7
40°	1370.4	1383.4	1385.7	1398.7	1394.0	1401.0	1399.8
42.5°	1241.0	1262.2	1270.5	1281.0	1278.7	1283.4	1286.9
45°	1110.4	1128.1	1136.3	1143.4	1144.6	1146.9	1148.1
47.5°	986.9	1001.1	1002.2	1010.4	1009.3	1009.3	1012.8
50°	871.7	881.1	883.4	889.3	884.6	882.2	883.4
52.5°	764.6	774.0	771.6	774.0	768.2	765.8	766.9
55°	655.2	659.9	659.9	659.9	652.9	652.9	652.9
57.5°	543.4	544.7	542.3	543.4	542.3	535.2	534.1
60°	441.1	441.1	439.9	441.1	437.6	434.1	434.1
62.5°	344.6	347.0	351.7	347.0	344.6	347.0	343.5
65°	257.6	262.3	261.1	263.5	262.3	262.3	260.0
67.5°	194.1	195.3	196.4	197.6	197.6	197.6	197.6
70°	142.4	145.9	144.7	144.7	144.7	144.7	151.7
72.5°	95.3	100.0	98.8	101.1	101.1	103.5	101.1
75°	64.7	69.4	67.1	70.6	69.4	67.1	72.9
77.5°	43.5	45.9	47.1	48.2	47.1	45.9	47.1
80°	30.6	32.9	31.8	32.9	32.9	32.9	34.1
82.5°	18.8	22.4	21.2	22.4	21.2	22.4	22.4
85°	12.9	14.1	11.8	14.1	12.9	12.9	15.3
87.5°	8.2	7.1	7.1	8.2	7.1	8.2	7.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)