

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: P246010

Luminaire Tested: **LSR8B40D010 EC8B40940 8LBSW0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P246010
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 EC8B40940 8LBSW0MW
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT- CYLINDEC
90 CRI 4000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3878.0 lumens
Efficiency: N/A
Efficacy: 94.8 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

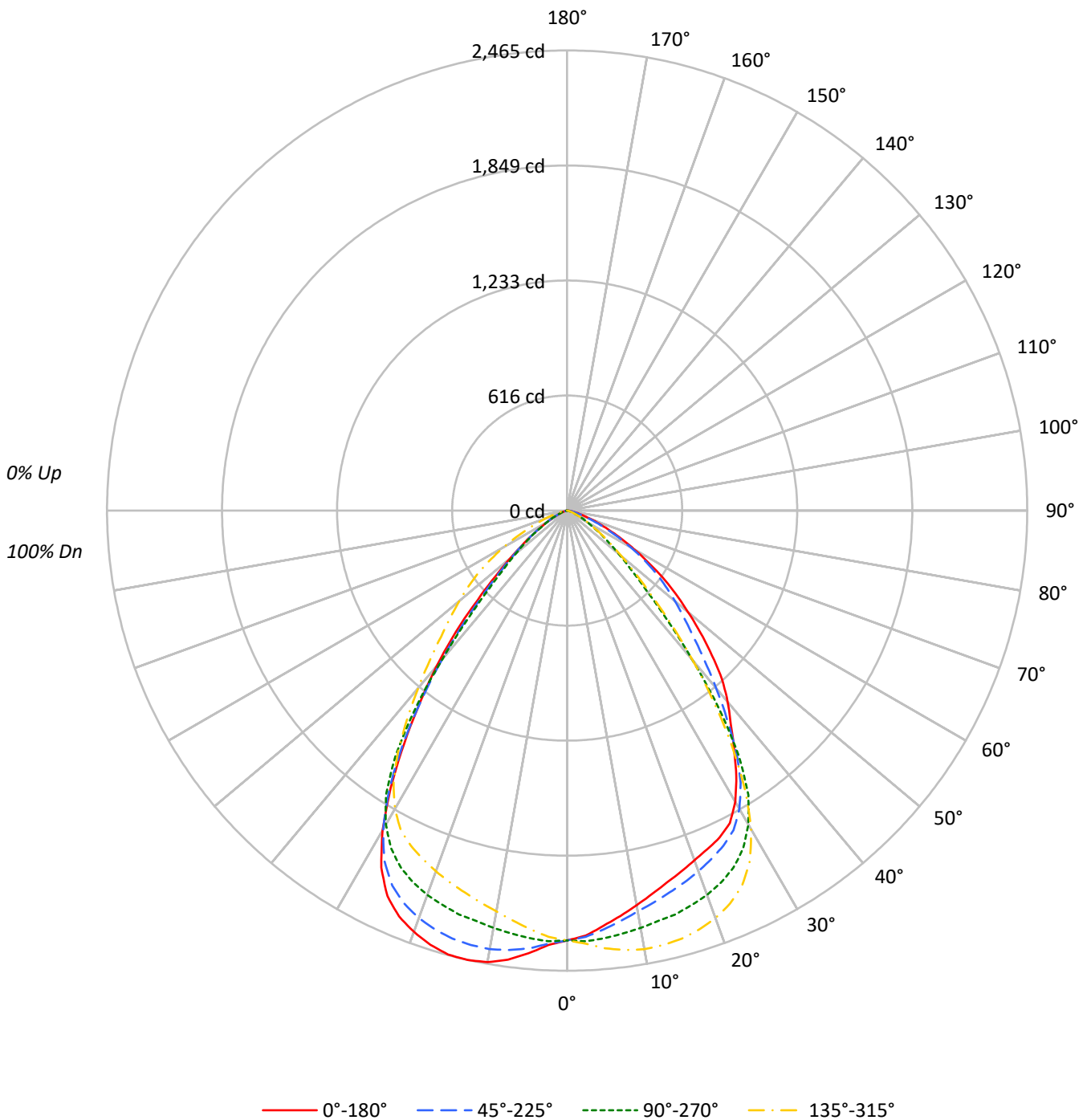
Input Watts (W): 40.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	70991	70991	70991	70991
5°	69108	71160	73702	71160
10°	67196	71066	76909	71066
15°	65853	71488	78594	71488
20°	65404	71898	78796	71898
25°	65748	71753	77527	71753
30°	64124	69127	70370	69127
35°	58653	60302	57215	60302
40°	53848	41949	43804	41949
45°	47848	25590	29611	25590
50°	40499	17093	18983	17093
55°	33542	11666	12328	11666
60°	25582	7765	7832	7765
65°	18124	4838	4429	4838
70°	13073	3246	2939	3246
75°	8304	1608	1334	1608
80°	5789	1208	994	1208
85°	5166	0	389	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	219.1	5.7
10°-20°	634.6	16.4
20°-30°	960.9	24.8
30°-40°	963.0	24.8
40°-50°	604.7	15.6
50°-60°	322.3	8.3
60°-70°	132.5	3.4
70°-80°	35.0	0.9
80°-90°	5.9	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°	1814.6	46.8
0°-40°	2777.6	71.6
0°-60°	3704.6	95.5
0°-90°	3878.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3878.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2302	2302	2302	2302	2302	
5°	2233	2299	2381	2299	2233	211
15°	2063	2239	2462	2239	2063	583
25°	1932	2109	2279	2109	1932	886
35°	1558	1602	1520	1602	1558	976
45°	1097	587	679	587	1097	844
55°	624	217	229	217	624	556
65°	248	66	61	66	248	258
75°	70	14	11	14	70	79
85°	15	0	1	0	15	16
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°	2302.2	2302.2	2302.2	2302.2	2302.2	2302.2	2302.2	2302.2	2302.2	2302.2	2302.2
2.5°	2278.6	2276.4	2275.3	2277.5	2278.6	2283.1	2282.0	2284.2	2284.2	2285.4	2287.6
5°	2232.6	2231.4	2232.6	2232.6	2237.1	2241.5	2240.4	2243.8	2246.0	2251.7	2253.9
7.5°	2189.9	2189.9	2188.7	2193.2	2195.5	2202.2	2201.1	2206.7	2210.1	2215.7	2223.5
10°	2146.0	2146.0	2147.1	2150.5	2151.6	2161.7	2161.7	2169.6	2174.1	2179.7	2189.9
12.5°	2103.3	2103.3	2110.0	2107.8	2112.3	2120.1	2123.5	2131.4	2138.1	2149.4	2159.5
15°	2062.8	2062.8	2065.1	2070.7	2074.0	2084.2	2089.8	2098.8	2106.7	2117.9	2132.5
17.5°	2028.0	2026.8	2028.0	2034.7	2041.5	2050.4	2054.9	2066.2	2074.0	2088.7	2102.2
20°	1993.1	1995.4	1995.4	2001.0	2005.5	2016.7	2021.2	2033.6	2042.6	2056.0	2071.8
22.5°	1962.8	1961.6	1961.6	1969.5	1972.9	1983.0	1987.5	1998.7	2008.8	2020.1	2034.7
25°	1932.4	1930.1	1934.7	1935.8	1938.0	1949.2	1952.6	1960.5	1970.6	1980.8	1995.4
27.5°	1887.4	1885.2	1886.3	1890.8	1894.2	1903.2	1905.4	1913.3	1921.2	1930.1	1942.5
30°	1800.9	1798.6	1797.5	1805.4	1808.8	1815.5	1818.9	1832.4	1834.6	1844.7	1853.7
32.5°	1686.2	1685.1	1687.4	1694.1	1697.4	1706.5	1711.0	1718.8	1724.4	1730.1	1739.0
35°	1558.1	1555.8	1558.1	1564.8	1564.8	1572.7	1576.1	1579.4	1578.3	1579.4	1577.2
37.5°	1438.9	1437.8	1438.9	1442.3	1438.9	1442.3	1438.9	1432.2	1419.8	1406.3	1392.8
40°	1337.7	1338.8	1332.1	1336.6	1324.2	1322.0	1309.6	1292.8	1268.0	1241.1	1202.9
42.5°	1229.8	1226.5	1222.0	1224.2	1214.1	1206.2	1186.0	1164.6	1133.1	1088.2	1042.1
45°	1097.2	1096.1	1093.8	1092.7	1085.9	1078.1	1061.2	1036.5	1001.6	955.5	900.4
47.5°	967.9	964.5	964.5	965.6	957.8	956.6	943.1	921.8	891.5	846.5	789.1
50°	844.2	843.1	845.4	849.9	844.2	842.0	833.0	818.4	791.4	753.2	699.2
52.5°	732.9	731.8	734.1	739.7	737.4	739.7	730.7	719.5	701.5	664.4	617.2
55°	623.9	623.9	623.9	630.6	630.6	630.6	626.1	619.4	602.5	575.6	531.7
57.5°	510.4	511.5	518.2	519.3	518.2	520.5	519.3	512.6	501.4	482.3	448.5
60°	414.8	414.8	418.2	421.6	420.4	421.6	421.6	418.2	407.0	391.2	364.2
62.5°	328.2	331.6	329.4	331.6	336.1	331.6	329.4	327.1	319.3	309.1	286.6
65°	248.4	250.7	250.7	251.8	249.5	250.7	246.2	242.8	238.3	227.1	212.5
67.5°	188.9	188.9	188.9	188.9	187.7	186.6	185.5	182.1	174.3	169.8	154.0
70°	145.0	138.3	138.3	138.3	138.3	139.4	136.0	131.5	129.3	121.4	110.2
72.5°	96.7	98.9	96.7	96.7	94.4	95.5	91.1	88.8	86.6	82.1	75.3
75°	69.7	64.1	66.3	67.5	64.1	66.3	61.8	57.3	57.3	54.0	50.6
77.5°	45.0	43.9	45.0	46.1	45.0	43.9	41.6	39.3	39.3	38.2	34.8
80°	32.6	31.5	31.5	31.5	30.4	31.5	29.2	29.2	27.0	25.9	23.6
82.5°	21.4	21.4	20.2	21.4	20.2	21.4	18.0	18.0	18.0	16.8	14.6
85°	14.6	12.4	12.4	13.5	11.2	13.5	12.4	11.2	10.1	10.1	9.0
87.5°	6.8	7.9	6.8	7.9	6.8	6.8	7.9	6.8	6.8	4.5	4.5
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	2302.2	2302.2	2302.2	2302.2	2302.2	2302.2	2302.2	2302.2	2302.2	2302.2	2302.2
2.5°	2291.0	2292.1	2292.1	2296.6	2298.9	2300.0	2300.0	2309.0	2305.6	2307.9	2310.1
5°	2258.4	2265.1	2267.4	2267.4	2279.8	2284.2	2288.7	2298.9	2300.0	2306.7	2314.6
7.5°	2226.9	2234.8	2239.3	2249.4	2257.3	2265.1	2278.6	2285.4	2292.1	2301.1	2311.2
10°	2196.6	2205.6	2214.6	2222.4	2234.8	2244.9	2253.9	2269.6	2277.5	2289.9	2303.4
12.5°	2167.4	2179.7	2187.6	2201.1	2214.6	2223.5	2237.1	2251.7	2264.0	2276.4	2292.1
15°	2141.5	2156.1	2165.1	2179.7	2194.3	2206.7	2221.3	2239.3	2248.3	2262.9	2277.5
17.5°	2113.4	2129.1	2140.4	2153.9	2171.9	2185.3	2197.7	2215.7	2226.9	2242.6	2259.5
20°	2084.2	2099.9	2113.4	2126.9	2144.9	2158.3	2173.0	2191.0	2203.3	2219.1	2232.6
22.5°	2049.3	2064.0	2078.5	2094.3	2112.3	2123.5	2140.4	2156.1	2169.6	2184.2	2197.7
25°	2004.4	2022.4	2033.6	2048.2	2062.8	2075.1	2093.1	2108.9	2120.1	2133.6	2146.0
27.5°	1951.5	1965.0	1974.0	1986.4	2001.0	2012.2	2025.7	2041.5	2052.7	2065.1	2074.0
30°	1861.6	1874.0	1881.8	1890.8	1905.4	1915.6	1926.8	1941.4	1949.2	1958.3	1966.1
32.5°	1743.5	1753.7	1758.1	1764.9	1775.0	1785.1	1794.1	1806.5	1809.9	1815.5	1815.5
35°	1572.7	1574.9	1573.8	1576.1	1580.6	1586.2	1594.0	1601.9	1606.4	1606.4	1603.0
37.5°	1372.6	1359.1	1344.5	1333.2	1329.9	1327.6	1332.1	1335.5	1340.0	1342.2	1336.6
40°	1164.6	1134.3	1101.7	1072.4	1052.2	1043.2	1039.8	1042.1	1042.1	1049.9	1049.9
42.5°	985.9	938.6	890.3	846.5	817.2	794.8	784.7	784.7	785.8	791.4	794.8
45°	837.5	777.9	721.7	673.4	632.9	603.6	590.2	586.8	585.7	587.9	595.8
47.5°	724.0	662.1	603.6	544.1	501.4	472.1	459.8	455.3	450.8	455.3	456.4
50°	635.2	571.1	509.3	449.7	404.7	378.8	363.1	356.3	355.2	355.2	357.5
52.5°	554.2	494.6	432.8	372.1	324.9	300.2	285.5	282.2	277.7	282.2	282.2
55°	477.7	418.2	357.5	300.2	260.8	235.0	221.5	217.0	214.7	218.1	218.1
57.5°	394.6	344.0	287.8	236.1	196.7	178.7	168.6	163.0	161.9	164.1	161.9
60°	323.8	281.0	232.7	185.5	155.1	136.0	128.2	125.9	123.6	125.9	125.9
62.5°	256.3	220.3	181.0	145.0	119.1	105.7	96.7	96.7	95.5	95.5	96.7
65°	190.0	161.9	133.8	103.4	83.2	73.1	66.3	66.3	65.2	66.3	65.2
67.5°	138.3	119.1	96.7	75.3	59.6	54.0	49.5	46.1	48.4	46.1	45.0
70°	101.2	85.4	69.7	57.3	46.1	40.5	37.1	36.0	33.7	33.7	33.7
72.5°	67.5	57.3	47.2	37.1	30.4	24.7	23.6	21.4	19.1	20.2	22.5
75°	45.0	38.2	33.7	27.0	20.2	20.2	13.5	13.5	11.2	13.5	10.1
77.5°	31.5	25.9	20.2	16.8	13.5	12.4	9.0	9.0	7.9	7.9	7.9
80°	22.5	19.1	14.6	12.4	9.0	9.0	7.9	6.8	5.6	5.6	6.8
82.5°	13.5	10.1	10.1	9.0	5.6	4.5	3.4	4.5	2.3	2.3	2.3
85°	7.9	6.8	5.6	3.4	2.3	2.3	1.1	0.0	1.1	1.1	0.0
87.5°	4.5	2.3	2.3	1.1	0.0	1.1	1.1	0.0	0.0	0.0	2.3
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°	2302.2	2302.2	2302.2	2302.2	2302.2	2302.2	2302.2	2302.2	2302.2	2302.2	2302.2
2.5°	2315.8	2314.6	2316.9	2316.9	2323.6	2322.5	2325.8	2325.8	2323.6	2324.7	2329.2
5°	2323.6	2327.0	2333.7	2339.4	2349.4	2354.0	2359.6	2365.2	2366.3	2369.7	2373.1
7.5°	2323.6	2334.9	2342.7	2352.8	2366.3	2374.2	2386.6	2396.7	2401.2	2406.8	2413.5
10°	2319.1	2330.3	2345.0	2356.2	2373.1	2385.4	2397.8	2413.5	2420.3	2429.3	2438.3
12.5°	2310.1	2322.5	2338.2	2352.8	2371.9	2383.2	2398.9	2413.5	2423.7	2436.0	2446.1
15°	2296.6	2311.2	2325.8	2340.5	2360.7	2374.2	2388.8	2405.7	2415.8	2429.3	2438.3
17.5°	2275.3	2291.0	2304.5	2318.0	2337.1	2352.8	2366.3	2382.1	2392.2	2403.4	2415.8
20°	2249.4	2264.0	2278.6	2289.9	2309.0	2322.5	2337.1	2351.7	2359.6	2361.8	2381.0
22.5°	2216.8	2226.9	2238.2	2256.2	2267.4	2279.8	2293.3	2306.7	2314.6	2327.0	2333.7
25°	2162.8	2173.0	2185.3	2193.2	2206.7	2216.8	2230.3	2244.9	2249.4	2258.4	2265.1
27.5°	2087.5	2093.1	2098.8	2105.5	2113.4	2119.0	2126.9	2133.6	2138.1	2142.6	2147.1
30°	1968.4	1968.4	1968.4	1963.9	1967.2	1970.6	1971.7	1970.6	1970.6	1969.5	1969.5
32.5°	1811.0	1802.0	1791.9	1782.9	1779.5	1775.0	1772.8	1769.4	1763.8	1760.4	1761.5
35°	1598.5	1578.3	1565.9	1554.7	1545.7	1539.0	1535.6	1532.2	1531.1	1526.6	1522.1
37.5°	1333.2	1318.6	1309.6	1302.9	1295.0	1288.3	1289.4	1290.5	1293.9	1291.6	1292.8
40°	1052.2	1048.8	1052.2	1044.3	1042.1	1044.3	1049.9	1057.8	1062.3	1066.8	1074.7
42.5°	800.4	806.0	813.9	813.9	817.2	821.8	828.5	840.9	847.6	855.5	864.5
45°	602.5	609.3	619.4	622.8	625.0	630.6	638.5	648.6	653.1	659.9	667.7
47.5°	464.3	468.8	474.4	480.0	485.6	487.9	495.7	495.7	501.4	505.9	508.1
50°	362.0	366.5	371.0	374.3	376.6	380.0	382.2	385.6	386.7	389.0	390.1
52.5°	283.3	288.9	288.9	291.1	294.5	297.9	296.8	297.9	299.0	299.0	302.4
55°	221.5	221.5	224.8	224.8	227.1	225.9	227.1	227.1	227.1	227.1	228.2
57.5°	165.2	166.4	169.8	167.5	166.4	168.6	166.4	168.6	167.5	169.8	166.4
60°	127.0	127.0	128.2	128.2	129.3	129.3	129.3	128.2	128.2	127.0	127.0
62.5°	95.5	96.7	97.8	96.7	96.7	96.7	95.5	95.5	94.4	93.3	93.3
65°	64.1	63.0	65.2	63.0	64.1	64.1	63.0	64.1	60.7	61.8	60.7
67.5°	46.1	45.0	43.9	45.0	43.9	42.7	42.7	43.9	45.0	41.6	41.6
70°	30.4	31.5	30.4	31.5	32.6	32.6	31.5	30.4	31.5	29.2	30.4
72.5°	19.1	19.1	19.1	19.1	19.1	20.2	20.2	20.2	18.0	18.0	16.8
75°	9.0	12.4	10.1	9.0	12.4	12.4	11.2	11.2	10.1	10.1	10.1
77.5°	9.0	6.8	6.8	6.8	6.8	6.8	6.8	6.8	5.6	6.8	5.6
80°	4.5	4.5	4.5	3.4	4.5	4.5	5.6	4.5	4.5	3.4	5.6
82.5°	2.3	2.3	2.3	0.0	1.1	2.3	2.3	1.1	2.3	2.3	1.1
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: P246010

CATALOG NUMBER: LSR8B40D010 EC8B40940 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	2302.2	2302.2	2302.2	2302.2	2302.2	2302.2	2302.2	2302.2	2302.2	2302.2	2302.2
2.5°	2328.1	2327.0	2328.1	2329.2	2328.1	2327.0	2328.1	2329.2	2324.7	2323.6	2325.8
5°	2377.6	2377.6	2379.8	2381.0	2379.8	2377.6	2377.6	2373.1	2369.7	2366.3	2365.2
7.5°	2420.3	2422.5	2424.8	2425.9	2424.8	2422.5	2420.3	2413.5	2406.8	2401.2	2396.7
10°	2446.1	2449.5	2454.0	2456.2	2454.0	2449.5	2446.1	2438.3	2429.3	2420.3	2413.5
12.5°	2457.4	2460.8	2466.4	2465.3	2466.4	2460.8	2457.4	2446.1	2436.0	2423.7	2413.5
15°	2449.5	2454.0	2459.6	2461.9	2459.6	2454.0	2449.5	2438.3	2429.3	2415.8	2405.7
17.5°	2424.8	2431.5	2434.9	2438.3	2434.9	2431.5	2424.8	2415.8	2403.4	2392.2	2382.1
20°	2391.0	2395.6	2400.1	2401.2	2400.1	2395.6	2391.0	2381.0	2361.8	2359.6	2351.7
22.5°	2342.7	2346.1	2356.2	2352.8	2356.2	2346.1	2342.7	2333.7	2327.0	2314.6	2306.7
25°	2273.0	2276.4	2277.5	2278.6	2277.5	2276.4	2273.0	2265.1	2258.4	2249.4	2244.9
27.5°	2152.7	2152.7	2155.0	2156.1	2155.0	2152.7	2152.7	2147.1	2142.6	2138.1	2133.6
30°	1970.6	1970.6	1970.6	1976.3	1970.6	1970.6	1970.6	1969.5	1969.5	1970.6	1970.6
32.5°	1760.4	1758.1	1755.9	1758.1	1755.9	1758.1	1760.4	1761.5	1760.4	1763.8	1769.4
35°	1522.1	1521.0	1524.3	1519.9	1524.3	1521.0	1522.1	1522.1	1526.6	1531.1	1532.2
37.5°	1293.9	1291.6	1296.1	1291.6	1296.1	1291.6	1293.9	1292.8	1291.6	1293.9	1290.5
40°	1077.0	1079.2	1079.2	1088.2	1079.2	1079.2	1077.0	1074.7	1066.8	1062.3	1057.8
42.5°	869.0	875.7	873.5	880.2	873.5	875.7	869.0	864.5	855.5	847.6	840.9
45°	672.2	676.8	676.8	679.0	676.8	676.8	672.2	667.7	659.9	653.1	648.6
47.5°	516.0	516.0	516.0	517.1	516.0	516.0	516.0	508.1	505.9	501.4	495.7
50°	392.3	393.4	394.6	395.7	394.6	393.4	392.3	390.1	389.0	386.7	385.6
52.5°	301.3	302.4	300.2	302.4	300.2	302.4	301.3	302.4	299.0	299.0	297.9
55°	228.2	227.1	228.2	229.3	228.2	227.1	228.2	228.2	227.1	227.1	227.1
57.5°	167.5	165.2	165.2	165.2	165.2	165.2	167.5	166.4	169.8	167.5	168.6
60°	124.8	125.9	125.9	127.0	125.9	125.9	124.8	127.0	127.0	128.2	128.2
62.5°	92.2	95.5	93.3	95.5	93.3	95.5	92.2	93.3	93.3	94.4	95.5
65°	59.6	59.6	59.6	60.7	59.6	59.6	59.6	60.7	61.8	60.7	64.1
67.5°	40.5	41.6	43.9	42.7	43.9	41.6	40.5	41.6	41.6	45.0	43.9
70°	32.6	29.2	29.2	32.6	29.2	29.2	32.6	30.4	29.2	31.5	30.4
72.5°	19.1	16.8	19.1	19.1	19.1	16.8	19.1	16.8	18.0	18.0	20.2
75°	10.1	9.0	7.9	11.2	7.9	9.0	10.1	10.1	10.1	10.1	11.2
77.5°	6.8	5.6	7.9	7.9	7.9	5.6	6.8	5.6	6.8	5.6	6.8
80°	3.4	4.5	3.4	5.6	3.4	4.5	3.4	5.6	3.4	4.5	4.5
82.5°	1.1	2.3	2.3	2.3	2.3	2.3	1.1	1.1	2.3	2.3	1.1
85°	0.0	2.3	1.1	1.1	1.1	2.3	0.0	0.0	0.0	0.0	0.0
87.5°	1.1	0.0	0.0	1.1	0.0	0.0	1.1	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: P246010

CATALOG NUMBER: LSR8B40D010 EC8B40940 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	2302.2	2302.2	2302.2	2302.2	2302.2	2302.2	2302.2	2302.2	2302.2	2302.2	2302.2
2.5°	2325.8	2322.5	2323.6	2316.9	2316.9	2314.6	2315.8	2310.1	2307.9	2305.6	2309.0
5°	2359.6	2354.0	2349.4	2339.4	2333.7	2327.0	2323.6	2314.6	2306.7	2300.0	2298.9
7.5°	2386.6	2374.2	2366.3	2352.8	2342.7	2334.9	2323.6	2311.2	2301.1	2292.1	2285.4
10°	2397.8	2385.4	2373.1	2356.2	2345.0	2330.3	2319.1	2303.4	2289.9	2277.5	2269.6
12.5°	2398.9	2383.2	2371.9	2352.8	2338.2	2322.5	2310.1	2292.1	2276.4	2264.0	2251.7
15°	2388.8	2374.2	2360.7	2340.5	2325.8	2311.2	2296.6	2277.5	2262.9	2248.3	2239.3
17.5°	2366.3	2352.8	2337.1	2318.0	2304.5	2291.0	2275.3	2259.5	2242.6	2226.9	2215.7
20°	2337.1	2322.5	2309.0	2289.9	2278.6	2264.0	2249.4	2232.6	2219.1	2203.3	2191.0
22.5°	2293.3	2279.8	2267.4	2256.2	2238.2	2226.9	2216.8	2197.7	2184.2	2169.6	2156.1
25°	2230.3	2216.8	2206.7	2193.2	2185.3	2173.0	2162.8	2146.0	2133.6	2120.1	2108.9
27.5°	2126.9	2119.0	2113.4	2105.5	2098.8	2093.1	2087.5	2074.0	2065.1	2052.7	2041.5
30°	1971.7	1970.6	1967.2	1963.9	1968.4	1968.4	1968.4	1966.1	1958.3	1949.2	1941.4
32.5°	1772.8	1775.0	1779.5	1782.9	1791.9	1802.0	1811.0	1815.5	1815.5	1809.9	1806.5
35°	1535.6	1539.0	1545.7	1554.7	1565.9	1578.3	1598.5	1603.0	1606.4	1606.4	1601.9
37.5°	1289.4	1288.3	1295.0	1302.9	1309.6	1318.6	1333.2	1336.6	1342.2	1340.0	1335.5
40°	1049.9	1044.3	1042.1	1044.3	1052.2	1048.8	1052.2	1049.9	1049.9	1042.1	1042.1
42.5°	828.5	821.8	817.2	813.9	813.9	806.0	800.4	794.8	791.4	785.8	784.7
45°	638.5	630.6	625.0	622.8	619.4	609.3	602.5	595.8	587.9	585.7	586.8
47.5°	495.7	487.9	485.6	480.0	474.4	468.8	464.3	456.4	455.3	450.8	455.3
50°	382.2	380.0	376.6	374.3	371.0	366.5	362.0	357.5	355.2	355.2	356.3
52.5°	296.8	297.9	294.5	291.1	288.9	288.9	283.3	282.2	282.2	277.7	282.2
55°	227.1	225.9	227.1	224.8	224.8	221.5	221.5	218.1	218.1	214.7	217.0
57.5°	166.4	168.6	166.4	167.5	169.8	166.4	165.2	161.9	164.1	161.9	163.0
60°	129.3	129.3	129.3	128.2	128.2	127.0	127.0	125.9	125.9	123.6	125.9
62.5°	95.5	96.7	96.7	96.7	97.8	96.7	95.5	96.7	95.5	95.5	96.7
65°	63.0	64.1	64.1	63.0	65.2	63.0	64.1	65.2	66.3	65.2	66.3
67.5°	42.7	42.7	43.9	45.0	43.9	45.0	46.1	45.0	46.1	48.4	46.1
70°	31.5	32.6	32.6	31.5	30.4	31.5	30.4	33.7	33.7	33.7	36.0
72.5°	20.2	20.2	19.1	19.1	19.1	19.1	19.1	22.5	20.2	19.1	21.4
75°	11.2	12.4	12.4	9.0	10.1	12.4	9.0	10.1	13.5	11.2	13.5
77.5°	6.8	6.8	6.8	6.8	6.8	6.8	9.0	7.9	7.9	7.9	9.0
80°	5.6	4.5	4.5	3.4	4.5	4.5	4.5	6.8	5.6	5.6	6.8
82.5°	2.3	2.3	1.1	0.0	2.3	2.3	2.3	2.3	2.3	2.3	4.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	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: P246010

CATALOG NUMBER: LSR8B40D010 EC8B40940 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	2302.2	2302.2	2302.2	2302.2	2302.2	2302.2	2302.2	2302.2	2302.2	2302.2	2302.2
2.5°	2300.0	2300.0	2298.9	2296.6	2292.1	2292.1	2291.0	2287.6	2285.4	2284.2	2284.2
5°	2288.7	2284.2	2279.8	2267.4	2267.4	2265.1	2258.4	2253.9	2251.7	2246.0	2243.8
7.5°	2278.6	2265.1	2257.3	2249.4	2239.3	2234.8	2226.9	2223.5	2215.7	2210.1	2206.7
10°	2253.9	2244.9	2234.8	2222.4	2214.6	2205.6	2196.6	2189.9	2179.7	2174.1	2169.6
12.5°	2237.1	2223.5	2214.6	2201.1	2187.6	2179.7	2167.4	2159.5	2149.4	2138.1	2131.4
15°	2221.3	2206.7	2194.3	2179.7	2165.1	2156.1	2141.5	2132.5	2117.9	2106.7	2098.8
17.5°	2197.7	2185.3	2171.9	2153.9	2140.4	2129.1	2113.4	2102.2	2088.7	2074.0	2066.2
20°	2173.0	2158.3	2144.9	2126.9	2113.4	2099.9	2084.2	2071.8	2056.0	2042.6	2033.6
22.5°	2140.4	2123.5	2112.3	2094.3	2078.5	2064.0	2049.3	2034.7	2020.1	2008.8	1998.7
25°	2093.1	2075.1	2062.8	2048.2	2033.6	2022.4	2004.4	1995.4	1980.8	1970.6	1960.5
27.5°	2025.7	2012.2	2001.0	1986.4	1974.0	1965.0	1951.5	1942.5	1930.1	1921.2	1913.3
30°	1926.8	1915.6	1905.4	1890.8	1881.8	1874.0	1861.6	1853.7	1844.7	1834.6	1832.4
32.5°	1794.1	1785.1	1775.0	1764.9	1758.1	1753.7	1743.5	1739.0	1730.1	1724.4	1718.8
35°	1594.0	1586.2	1580.6	1576.1	1573.8	1574.9	1572.7	1577.2	1579.4	1578.3	1579.4
37.5°	1332.1	1327.6	1329.9	1333.2	1344.5	1359.1	1372.6	1392.8	1406.3	1419.8	1432.2
40°	1039.8	1043.2	1052.2	1072.4	1101.7	1134.3	1164.6	1202.9	1241.1	1268.0	1292.8
42.5°	784.7	794.8	817.2	846.5	890.3	938.6	985.9	1042.1	1088.2	1133.1	1164.6
45°	590.2	603.6	632.9	673.4	721.7	777.9	837.5	900.4	955.5	1001.6	1036.5
47.5°	459.8	472.1	501.4	544.1	603.6	662.1	724.0	789.1	846.5	891.5	921.8
50°	363.1	378.8	404.7	449.7	509.3	571.1	635.2	699.2	753.2	791.4	818.4
52.5°	285.5	300.2	324.9	372.1	432.8	494.6	554.2	617.2	664.4	701.5	719.5
55°	221.5	235.0	260.8	300.2	357.5	418.2	477.7	531.7	575.6	602.5	619.4
57.5°	168.6	178.7	196.7	236.1	287.8	344.0	394.6	448.5	482.3	501.4	512.6
60°	128.2	136.0	155.1	185.5	232.7	281.0	323.8	364.2	391.2	407.0	418.2
62.5°	96.7	105.7	119.1	145.0	181.0	220.3	256.3	286.6	309.1	319.3	327.1
65°	66.3	73.1	83.2	103.4	133.8	161.9	190.0	212.5	227.1	238.3	242.8
67.5°	49.5	54.0	59.6	75.3	96.7	119.1	138.3	154.0	169.8	174.3	182.1
70°	37.1	40.5	46.1	57.3	69.7	85.4	101.2	110.2	121.4	129.3	131.5
72.5°	23.6	24.7	30.4	37.1	47.2	57.3	67.5	75.3	82.1	86.6	88.8
75°	13.5	20.2	20.2	27.0	33.7	38.2	45.0	50.6	54.0	57.3	57.3
77.5°	9.0	12.4	13.5	16.8	20.2	25.9	31.5	34.8	38.2	39.3	39.3
80°	7.9	9.0	9.0	12.4	14.6	19.1	22.5	23.6	25.9	27.0	29.2
82.5°	3.4	4.5	5.6	9.0	10.1	10.1	13.5	14.6	16.8	18.0	18.0
85°	1.1	2.3	2.3	3.4	5.6	6.8	7.9	9.0	10.1	10.1	11.2
87.5°	1.1	1.1	0.0	1.1	2.3	2.3	4.5	4.5	4.5	6.8	6.8
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: P246010

CATALOG NUMBER: LSR8B40D010 EC8B40940 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	2302.2	2302.2	2302.2	2302.2	2302.2	2302.2	2302.2
2.5°	2282.0	2283.1	2278.6	2277.5	2275.3	2276.4	2278.6
5°	2240.4	2241.5	2237.1	2232.6	2232.6	2231.4	2232.6
7.5°	2201.1	2202.2	2195.5	2193.2	2188.7	2189.9	2189.9
10°	2161.7	2161.7	2151.6	2150.5	2147.1	2146.0	2146.0
12.5°	2123.5	2120.1	2112.3	2107.8	2110.0	2103.3	2103.3
15°	2089.8	2084.2	2074.0	2070.7	2065.1	2062.8	2062.8
17.5°	2054.9	2050.4	2041.5	2034.7	2028.0	2026.8	2028.0
20°	2021.2	2016.7	2005.5	2001.0	1995.4	1995.4	1993.1
22.5°	1987.5	1983.0	1972.9	1969.5	1961.6	1961.6	1962.8
25°	1952.6	1949.2	1938.0	1935.8	1934.7	1930.1	1932.4
27.5°	1905.4	1903.2	1894.2	1890.8	1886.3	1885.2	1887.4
30°	1818.9	1815.5	1808.8	1805.4	1797.5	1798.6	1800.9
32.5°	1711.0	1706.5	1697.4	1694.1	1687.4	1685.1	1686.2
35°	1576.1	1572.7	1564.8	1564.8	1558.1	1555.8	1558.1
37.5°	1438.9	1442.3	1438.9	1442.3	1438.9	1437.8	1438.9
40°	1309.6	1322.0	1324.2	1336.6	1332.1	1338.8	1337.7
42.5°	1186.0	1206.2	1214.1	1224.2	1222.0	1226.5	1229.8
45°	1061.2	1078.1	1085.9	1092.7	1093.8	1096.1	1097.2
47.5°	943.1	956.6	957.8	965.6	964.5	964.5	967.9
50°	833.0	842.0	844.2	849.9	845.4	843.1	844.2
52.5°	730.7	739.7	737.4	739.7	734.1	731.8	732.9
55°	626.1	630.6	630.6	630.6	623.9	623.9	623.9
57.5°	519.3	520.5	518.2	519.3	518.2	511.5	510.4
60°	421.6	421.6	420.4	421.6	418.2	414.8	414.8
62.5°	329.4	331.6	336.1	331.6	329.4	331.6	328.2
65°	246.2	250.7	249.5	251.8	250.7	250.7	248.4
67.5°	185.5	186.6	187.7	188.9	188.9	188.9	188.9
70°	136.0	139.4	138.3	138.3	138.3	138.3	145.0
72.5°	91.1	95.5	94.4	96.7	96.7	98.9	96.7
75°	61.8	66.3	64.1	67.5	66.3	64.1	69.7
77.5°	41.6	43.9	45.0	46.1	45.0	43.9	45.0
80°	29.2	31.5	30.4	31.5	31.5	31.5	32.6
82.5°	18.0	21.4	20.2	21.4	20.2	21.4	21.4
85°	12.4	13.5	11.2	13.5	12.4	12.4	14.6
87.5°	7.9	6.8	6.8	7.9	6.8	7.9	6.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)