

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: P245008

Luminaire Tested: **LSR8B40D010 EC8B40950 8LBSW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245008
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 8LBSW0WMH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT- CYLINDEC
90 CRI 5000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4022.0 lumens
Efficiency: N/A
Efficacy: 98.3 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

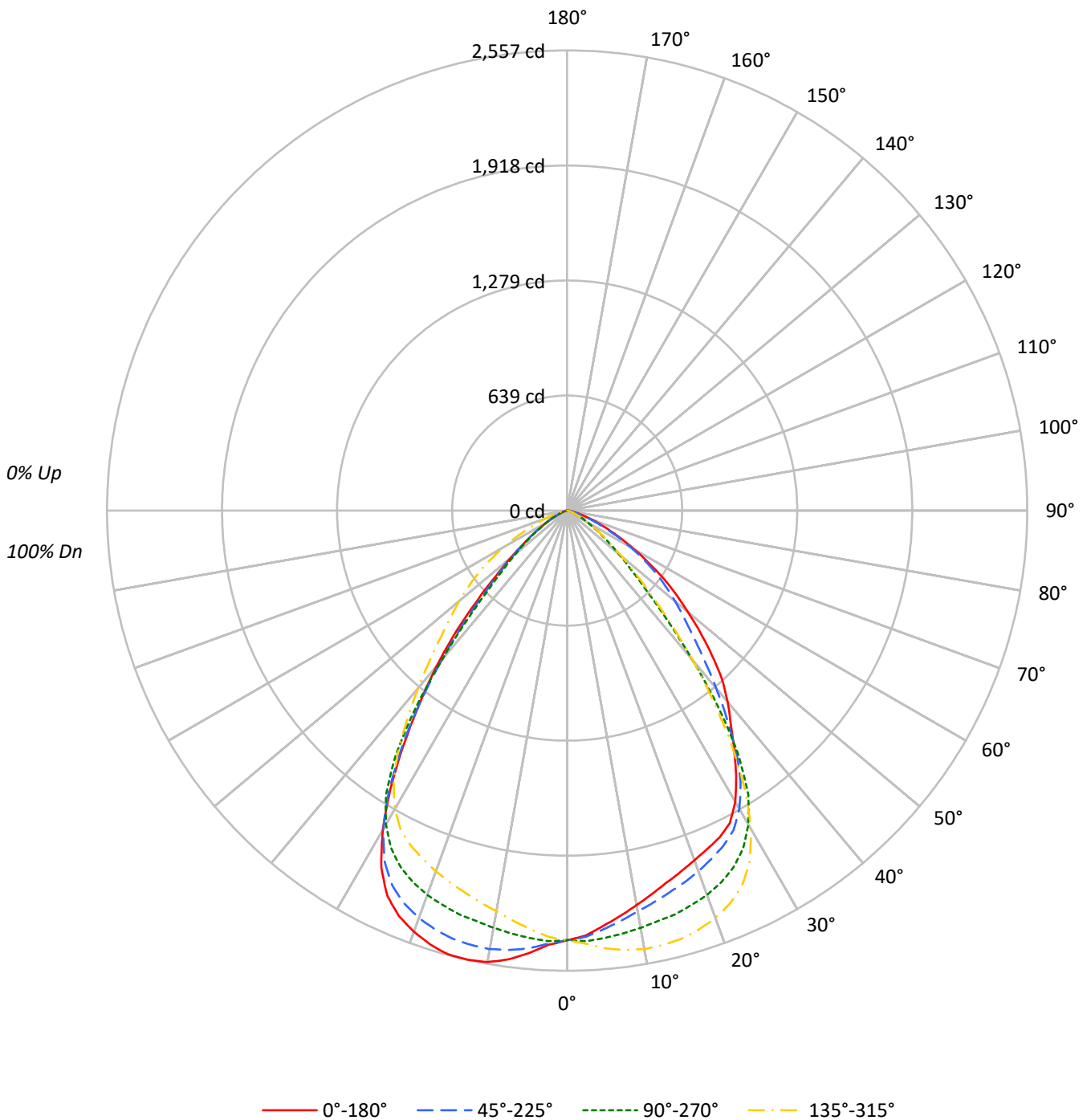
Input Watts (W): 40.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	73628	73628	73628	73628
5°	71674	73801	76438	73801
10°	69691	73705	79764	73705
15°	68298	74144	81512	74144
20°	67833	74566	81720	74566
25°	68191	74418	80409	74418
30°	66503	71694	72983	71694
35°	60829	62542	59339	62542
40°	55848	43506	45431	43506
45°	49623	26541	30710	26541
50°	42005	17731	19688	17731
55°	34789	12096	12784	12096
60°	26532	8054	8122	8054
65°	18803	5020	4597	5020
70°	13560	3363	3047	3363
75°	8614	1668	1394	1668
80°	6002	1243	1030	1243
85°	5378	0	425	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	227.3	5.7
10°-20°	658.1	16.4
20°-30°	996.5	24.8
30°-40°	998.8	24.8
40°-50°	627.2	15.6
50°-60°	334.2	8.3
60°-70°	137.4	3.4
70°-80°	36.3	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°	1881.9	46.8
0°-40°	2880.7	71.6
0°-60°	3842.1	95.5
0°-90°	4022.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4022.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2388	2388	2388	2388	2388	
5°	2316	2384	2469	2384	2316	218
15°	2139	2322	2553	2322	2139	605
25°	2004	2187	2363	2187	2004	919
35°	1616	1661	1576	1661	1616	1012
45°	1138	609	704	609	1138	875
55°	647	225	238	225	647	577
65°	258	69	63	69	258	267
75°	72	14	12	14	72	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°	2387.7	2387.7	2387.7	2387.7	2387.7	2387.7	2387.7	2387.7	2387.7	2387.7	2387.7
2.5°	2363.3	2360.9	2359.8	2362.1	2363.3	2367.9	2366.8	2369.1	2369.1	2370.3	2372.6
5°	2315.5	2314.3	2315.5	2315.5	2320.1	2324.8	2323.6	2327.1	2329.4	2335.3	2337.6
7.5°	2271.2	2271.2	2270.0	2274.6	2277.0	2284.0	2282.8	2288.6	2292.1	2297.9	2306.1
10°	2225.7	2225.7	2226.8	2230.3	2231.5	2242.0	2242.0	2250.1	2254.8	2260.7	2271.2
12.5°	2181.4	2181.4	2188.4	2186.0	2190.7	2198.8	2202.4	2210.5	2217.5	2229.2	2239.7
15°	2139.4	2139.4	2141.7	2147.5	2151.1	2161.6	2167.4	2176.7	2184.9	2196.5	2211.7
17.5°	2103.3	2102.1	2103.3	2110.3	2117.3	2126.6	2131.2	2142.9	2151.1	2166.2	2180.2
20°	2067.1	2069.5	2069.5	2075.3	2079.9	2091.6	2096.2	2109.1	2118.4	2132.4	2148.7
22.5°	2035.6	2034.5	2034.5	2042.6	2046.1	2056.6	2061.3	2072.9	2083.4	2095.1	2110.3
25°	2004.2	2001.8	2006.5	2007.7	2010.0	2021.6	2025.1	2033.3	2043.8	2054.3	2069.5
27.5°	1957.5	1955.2	1956.4	1961.0	1964.5	1973.8	1976.2	1984.3	1992.5	2001.8	2014.7
30°	1867.7	1865.4	1864.3	1872.4	1875.9	1882.9	1886.4	1900.4	1902.7	1913.2	1922.5
32.5°	1748.8	1747.7	1750.0	1757.0	1760.5	1769.8	1774.5	1782.6	1788.4	1794.3	1803.6
35°	1615.9	1613.6	1615.9	1622.9	1622.9	1631.1	1634.6	1638.1	1636.9	1638.1	1635.7
37.5°	1492.4	1491.2	1492.4	1495.8	1492.4	1495.8	1492.4	1485.4	1472.5	1458.5	1444.5
40°	1387.4	1388.6	1381.6	1386.3	1373.4	1371.1	1358.3	1340.8	1315.1	1287.2	1247.5
42.5°	1275.5	1272.0	1267.3	1269.6	1259.2	1251.0	1230.0	1207.9	1175.2	1128.6	1080.8
45°	1137.9	1136.8	1134.4	1133.3	1126.3	1118.1	1100.6	1075.0	1038.8	991.0	933.9
47.5°	1003.8	1000.3	1000.3	1001.5	993.3	992.2	978.2	956.0	924.6	877.9	818.5
50°	875.6	874.4	876.8	881.4	875.6	873.3	863.9	848.8	820.8	781.2	725.2
52.5°	760.1	759.0	761.3	767.2	764.8	767.2	757.8	746.2	727.5	689.0	640.1
55°	647.1	647.1	647.1	654.0	654.0	654.0	649.4	642.4	624.9	596.9	551.5
57.5°	529.3	530.5	537.5	538.6	537.5	539.8	538.6	531.6	520.0	500.2	465.2
60°	430.2	430.2	433.7	437.2	436.0	437.2	437.2	433.7	422.1	405.7	377.8
62.5°	340.4	343.9	341.6	343.9	348.6	343.9	341.6	339.3	331.1	320.6	297.3
65°	257.7	260.0	260.0	261.2	258.8	260.0	255.3	251.8	247.2	235.5	220.4
67.5°	195.9	195.9	195.9	195.9	194.7	193.5	192.4	188.9	180.7	176.1	159.7
70°	150.4	143.4	143.4	143.4	143.4	144.6	141.1	136.4	134.1	125.9	114.3
72.5°	100.2	102.6	100.2	100.2	97.9	99.1	94.4	92.1	89.8	85.1	78.1
75°	72.3	66.5	68.8	70.0	66.5	68.8	64.1	59.5	59.5	56.0	52.5
77.5°	46.6	45.5	46.6	47.8	46.6	45.5	43.1	40.8	40.8	39.6	36.1
80°	33.8	32.6	32.6	32.6	31.5	32.6	30.3	30.3	28.0	26.8	24.5
82.5°	22.2	22.2	21.0	22.2	21.0	22.2	18.7	18.7	18.7	17.5	15.2
85°	15.2	12.8	12.8	14.0	11.7	14.0	12.8	11.7	10.5	10.5	9.3
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°	2387.7	2387.7	2387.7	2387.7	2387.7	2387.7	2387.7	2387.7	2387.7	2387.7	2387.7
2.5°	2376.1	2377.2	2377.2	2381.9	2384.2	2385.4	2385.4	2394.7	2391.2	2393.6	2395.9
5°	2342.3	2349.2	2351.6	2351.6	2364.4	2369.1	2373.7	2384.2	2385.4	2392.4	2400.5
7.5°	2309.6	2317.8	2322.5	2332.9	2341.1	2349.2	2363.3	2370.3	2377.2	2386.6	2397.0
10°	2278.1	2287.5	2296.8	2305.0	2317.8	2328.3	2337.6	2353.9	2362.1	2374.9	2388.9
12.5°	2247.8	2260.7	2268.8	2282.8	2296.8	2306.1	2320.1	2335.3	2348.1	2360.9	2377.2
15°	2221.0	2236.2	2245.5	2260.7	2275.8	2288.6	2303.8	2322.5	2331.8	2346.9	2362.1
17.5°	2191.8	2208.2	2219.9	2233.8	2252.5	2266.5	2279.3	2297.9	2309.6	2325.9	2343.4
20°	2161.6	2177.9	2191.8	2205.9	2224.5	2238.5	2253.7	2272.3	2285.1	2301.5	2315.5
22.5°	2125.4	2140.6	2155.7	2172.0	2190.7	2202.4	2219.9	2236.2	2250.1	2265.3	2279.3
25°	2078.8	2097.4	2109.1	2124.2	2139.4	2152.2	2170.9	2187.2	2198.8	2212.9	2225.7
27.5°	2024.0	2038.0	2047.3	2060.1	2075.3	2086.9	2100.9	2117.3	2128.9	2141.7	2151.1
30°	1930.7	1943.5	1951.7	1961.0	1976.2	1986.7	1998.4	2013.5	2021.6	2031.0	2039.1
32.5°	1808.3	1818.8	1823.4	1830.4	1840.9	1851.4	1860.8	1873.6	1877.1	1882.9	1882.9
35°	1631.1	1633.4	1632.2	1634.6	1639.3	1645.1	1653.2	1661.4	1666.0	1666.0	1662.6
37.5°	1423.5	1409.6	1394.4	1382.8	1379.2	1376.9	1381.6	1385.1	1389.8	1392.1	1386.3
40°	1207.9	1176.4	1142.6	1112.2	1091.3	1082.0	1078.5	1080.8	1080.8	1088.9	1088.9
42.5°	1022.5	973.5	923.4	877.9	847.6	824.3	813.8	813.8	814.9	820.8	824.3
45°	868.6	806.8	748.5	698.4	656.4	626.1	612.1	608.6	607.4	609.7	617.9
47.5°	750.8	686.7	626.1	564.3	520.0	489.7	476.9	472.2	467.5	472.2	473.4
50°	658.7	592.3	528.2	466.4	419.7	392.9	376.6	369.6	368.4	368.4	370.8
52.5°	574.8	513.0	448.9	385.9	336.9	311.3	296.1	292.6	288.0	292.6	292.6
55°	495.5	433.7	370.8	311.3	270.5	243.7	229.7	225.0	222.7	226.2	226.2
57.5°	409.2	356.7	298.5	244.8	204.0	185.4	174.9	169.1	167.9	170.2	167.9
60°	335.8	291.5	241.3	192.4	160.9	141.1	132.9	130.6	128.2	130.6	130.6
62.5°	265.8	228.5	187.7	150.4	123.6	109.6	100.2	100.2	99.1	99.1	100.2
65°	197.0	167.9	138.7	107.3	86.3	75.8	68.8	68.8	67.6	68.8	67.6
67.5°	143.4	123.6	100.2	78.1	61.8	56.0	51.3	47.8	50.1	47.8	46.6
70°	105.0	88.6	72.3	59.5	47.8	42.0	38.5	37.3	35.0	35.0	35.0
72.5°	70.0	59.5	48.9	38.5	31.5	25.6	24.5	22.2	19.8	21.0	23.3
75°	46.6	39.6	35.0	28.0	21.0	21.0	14.0	14.0	11.7	14.0	10.5
77.5°	32.6	26.8	21.0	17.5	14.0	12.8	9.3	9.3	8.2	8.2	8.2
80°	23.3	19.8	15.2	12.8	9.3	9.3	8.2	7.0	5.8	5.8	7.0
82.5°	14.0	10.5	10.5	9.3	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°	2387.7	2387.7	2387.7	2387.7	2387.7	2387.7	2387.7	2387.7	2387.7	2387.7	2387.7
2.5°	2401.7	2400.5	2402.9	2402.9	2409.9	2408.7	2412.2	2412.2	2409.9	2411.1	2415.7
5°	2409.9	2413.4	2420.4	2426.2	2436.7	2441.4	2447.2	2453.0	2454.2	2457.7	2461.2
7.5°	2409.9	2421.6	2429.7	2440.2	2454.2	2462.4	2475.2	2485.7	2490.3	2496.1	2503.1
10°	2405.2	2416.9	2432.0	2443.7	2461.2	2474.0	2486.8	2503.1	2510.2	2519.5	2528.8
12.5°	2395.9	2408.7	2425.0	2440.2	2460.0	2471.7	2488.0	2503.1	2513.7	2526.5	2537.0
15°	2381.9	2397.0	2412.2	2427.4	2448.3	2462.4	2477.5	2495.0	2505.5	2519.5	2528.8
17.5°	2359.8	2376.1	2390.1	2404.1	2423.9	2440.2	2454.2	2470.5	2481.0	2492.7	2505.5
20°	2332.9	2348.1	2363.3	2374.9	2394.7	2408.7	2423.9	2439.0	2447.2	2449.5	2469.4
22.5°	2299.1	2309.6	2321.3	2339.9	2351.6	2364.4	2378.4	2392.4	2400.5	2413.4	2420.4
25°	2243.1	2253.7	2266.5	2274.6	2288.6	2299.1	2313.1	2328.3	2332.9	2342.3	2349.2
27.5°	2165.1	2170.9	2176.7	2183.7	2191.8	2197.7	2205.9	2212.9	2217.5	2222.2	2226.8
30°	2041.4	2041.4	2041.4	2036.8	2040.3	2043.8	2044.9	2043.8	2043.8	2042.6	2042.6
32.5°	1878.2	1868.9	1858.4	1849.1	1845.6	1840.9	1838.6	1835.1	1829.3	1825.8	1826.9
35°	1657.9	1636.9	1624.1	1612.4	1603.1	1596.1	1592.6	1589.1	1588.0	1583.3	1578.6
37.5°	1382.8	1367.6	1358.3	1351.3	1343.1	1336.1	1337.3	1338.5	1341.9	1339.6	1340.8
40°	1091.3	1087.8	1091.3	1083.1	1080.8	1083.1	1088.9	1097.1	1101.8	1106.4	1114.6
42.5°	830.1	835.9	844.1	844.1	847.6	852.3	859.2	872.1	879.1	887.2	896.6
45°	624.9	631.9	642.4	645.9	648.2	654.0	662.2	672.7	677.4	684.4	692.5
47.5°	481.5	486.2	492.0	497.8	503.6	506.0	514.2	514.2	520.0	524.7	527.0
50°	375.4	380.1	384.7	388.2	390.6	394.1	396.4	399.9	401.0	403.4	404.5
52.5°	293.8	299.6	299.6	301.9	305.4	309.0	307.8	309.0	310.1	310.1	313.6
55°	229.7	229.7	233.2	233.2	235.5	234.3	235.5	235.5	235.5	235.5	236.7
57.5°	171.4	172.6	176.1	173.7	172.6	174.9	172.6	174.9	173.7	176.1	172.6
60°	131.7	131.7	132.9	132.9	134.1	134.1	134.1	132.9	132.9	131.7	131.7
62.5°	99.1	100.2	101.4	100.2	100.2	100.2	99.1	99.1	97.9	96.7	96.7
65°	66.5	65.3	67.6	65.3	66.5	66.5	65.3	66.5	63.0	64.1	63.0
67.5°	47.8	46.6	45.5	46.6	45.5	44.3	44.3	45.5	46.6	43.1	43.1
70°	31.5	32.6	31.5	32.6	33.8	33.8	32.6	31.5	32.6	30.3	31.5
72.5°	19.8	19.8	19.8	19.8	19.8	21.0	21.0	21.0	18.7	18.7	17.5
75°	9.3	12.8	10.5	9.3	12.8	12.8	11.7	11.7	10.5	10.5	10.5
77.5°	9.3	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: P245008

CATALOG NUMBER: LSR8B40D010 EC8B40950 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	2387.7	2387.7	2387.7	2387.7	2387.7	2387.7	2387.7	2387.7	2387.7	2387.7	2387.7
2.5°	2414.6	2413.4	2414.6	2415.7	2414.6	2413.4	2414.6	2415.7	2411.1	2409.9	2412.2
5°	2465.9	2465.9	2468.2	2469.4	2468.2	2465.9	2465.9	2461.2	2457.7	2454.2	2453.0
7.5°	2510.2	2512.5	2514.8	2516.0	2514.8	2512.5	2510.2	2503.1	2496.1	2490.3	2485.7
10°	2537.0	2540.5	2545.1	2547.4	2545.1	2540.5	2537.0	2528.8	2519.5	2510.2	2503.1
12.5°	2548.6	2552.1	2558.0	2556.8	2558.0	2552.1	2548.6	2537.0	2526.5	2513.7	2503.1
15°	2540.5	2545.1	2550.9	2553.3	2550.9	2545.1	2540.5	2528.8	2519.5	2505.5	2495.0
17.5°	2514.8	2521.8	2525.3	2528.8	2525.3	2521.8	2514.8	2505.5	2492.7	2481.0	2470.5
20°	2479.8	2484.5	2489.2	2490.3	2489.2	2484.5	2479.8	2469.4	2449.5	2447.2	2439.0
22.5°	2429.7	2433.2	2443.7	2440.2	2443.7	2433.2	2429.7	2420.4	2413.4	2400.5	2392.4
25°	2357.4	2360.9	2362.1	2363.3	2362.1	2360.9	2357.4	2349.2	2342.3	2332.9	2328.3
27.5°	2232.7	2232.7	2235.0	2236.2	2235.0	2232.7	2232.7	2226.8	2222.2	2217.5	2212.9
30°	2043.8	2043.8	2043.8	2049.7	2043.8	2043.8	2043.8	2042.6	2042.6	2043.8	2043.8
32.5°	1825.8	1823.4	1821.1	1823.4	1821.1	1823.4	1825.8	1826.9	1825.8	1829.3	1835.1
35°	1578.6	1577.4	1580.9	1576.3	1580.9	1577.4	1578.6	1578.6	1583.3	1588.0	1589.1
37.5°	1341.9	1339.6	1344.3	1339.6	1344.3	1339.6	1341.9	1340.8	1339.6	1341.9	1338.5
40°	1116.9	1119.2	1119.2	1128.6	1119.2	1119.2	1116.9	1114.6	1106.4	1101.8	1097.1
42.5°	901.2	908.2	905.9	912.9	905.9	908.2	901.2	896.6	887.2	879.1	872.1
45°	697.2	701.9	701.9	704.2	701.9	701.9	697.2	692.5	684.4	677.4	672.7
47.5°	535.1	535.1	535.1	536.3	535.1	535.1	535.1	527.0	524.7	520.0	514.2
50°	406.9	408.0	409.2	410.4	409.2	408.0	406.9	404.5	403.4	401.0	399.9
52.5°	312.5	313.6	311.3	313.6	311.3	313.6	312.5	313.6	310.1	310.1	309.0
55°	236.7	235.5	236.7	237.8	236.7	235.5	236.7	236.7	235.5	235.5	235.5
57.5°	173.7	171.4	171.4	171.4	171.4	171.4	173.7	172.6	176.1	173.7	174.9
60°	129.4	130.6	130.6	131.7	130.6	130.6	129.4	131.7	131.7	132.9	132.9
62.5°	95.6	99.1	96.7	99.1	96.7	99.1	95.6	96.7	96.7	97.9	99.1
65°	61.8	61.8	61.8	63.0	61.8	61.8	61.8	63.0	64.1	63.0	66.5
67.5°	42.0	43.1	45.5	44.3	45.5	43.1	42.0	43.1	43.1	46.6	45.5
70°	33.8	30.3	30.3	33.8	30.3	30.3	33.8	31.5	30.3	32.6	31.5
72.5°	19.8	17.5	19.8	19.8	19.8	17.5	19.8	17.5	18.7	18.7	21.0
75°	10.5	9.3	8.2	11.7	8.2	9.3	10.5	10.5	10.5	10.5	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: P245008

CATALOG NUMBER: LSR8B40D010 EC8B40950 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	2387.7	2387.7	2387.7	2387.7	2387.7	2387.7	2387.7	2387.7	2387.7	2387.7	2387.7
2.5°	2412.2	2408.7	2409.9	2402.9	2402.9	2400.5	2401.7	2395.9	2393.6	2391.2	2394.7
5°	2447.2	2441.4	2436.7	2426.2	2420.4	2413.4	2409.9	2400.5	2392.4	2385.4	2384.2
7.5°	2475.2	2462.4	2454.2	2440.2	2429.7	2421.6	2409.9	2397.0	2386.6	2377.2	2370.3
10°	2486.8	2474.0	2461.2	2443.7	2432.0	2416.9	2405.2	2388.9	2374.9	2362.1	2353.9
12.5°	2488.0	2471.7	2460.0	2440.2	2425.0	2408.7	2395.9	2377.2	2360.9	2348.1	2335.3
15°	2477.5	2462.4	2448.3	2427.4	2412.2	2397.0	2381.9	2362.1	2346.9	2331.8	2322.5
17.5°	2454.2	2440.2	2423.9	2404.1	2390.1	2376.1	2359.8	2343.4	2325.9	2309.6	2297.9
20°	2423.9	2408.7	2394.7	2374.9	2363.3	2348.1	2332.9	2315.5	2301.5	2285.1	2272.3
22.5°	2378.4	2364.4	2351.6	2339.9	2321.3	2309.6	2299.1	2279.3	2265.3	2250.1	2236.2
25°	2313.1	2299.1	2288.6	2274.6	2266.5	2253.7	2243.1	2225.7	2212.9	2198.8	2187.2
27.5°	2205.9	2197.7	2191.8	2183.7	2176.7	2170.9	2165.1	2151.1	2141.7	2128.9	2117.3
30°	2044.9	2043.8	2040.3	2036.8	2041.4	2041.4	2041.4	2039.1	2031.0	2021.6	2013.5
32.5°	1838.6	1840.9	1845.6	1849.1	1858.4	1868.9	1878.2	1882.9	1882.9	1877.1	1873.6
35°	1592.6	1596.1	1603.1	1612.4	1624.1	1636.9	1657.9	1662.6	1666.0	1666.0	1661.4
37.5°	1337.3	1336.1	1343.1	1351.3	1358.3	1367.6	1382.8	1386.3	1392.1	1389.8	1385.1
40°	1088.9	1083.1	1080.8	1083.1	1091.3	1087.8	1091.3	1088.9	1088.9	1080.8	1080.8
42.5°	859.2	852.3	847.6	844.1	844.1	835.9	830.1	824.3	820.8	814.9	813.8
45°	662.2	654.0	648.2	645.9	642.4	631.9	624.9	617.9	609.7	607.4	608.6
47.5°	514.2	506.0	503.6	497.8	492.0	486.2	481.5	473.4	472.2	467.5	472.2
50°	396.4	394.1	390.6	388.2	384.7	380.1	375.4	370.8	368.4	368.4	369.6
52.5°	307.8	309.0	305.4	301.9	299.6	299.6	293.8	292.6	292.6	288.0	292.6
55°	235.5	234.3	235.5	233.2	233.2	229.7	229.7	226.2	226.2	222.7	225.0
57.5°	172.6	174.9	172.6	173.7	176.1	172.6	171.4	167.9	170.2	167.9	169.1
60°	134.1	134.1	134.1	132.9	132.9	131.7	131.7	130.6	130.6	128.2	130.6
62.5°	99.1	100.2	100.2	100.2	101.4	100.2	99.1	100.2	99.1	99.1	100.2
65°	65.3	66.5	66.5	65.3	67.6	65.3	66.5	67.6	68.8	67.6	68.8
67.5°	44.3	44.3	45.5	46.6	45.5	46.6	47.8	46.6	47.8	50.1	47.8
70°	32.6	33.8	33.8	32.6	31.5	32.6	31.5	35.0	35.0	35.0	37.3
72.5°	21.0	21.0	19.8	19.8	19.8	19.8	19.8	23.3	21.0	19.8	22.2
75°	11.7	12.8	12.8	9.3	10.5	12.8	9.3	10.5	14.0	11.7	14.0
77.5°	7.0	7.0	7.0	7.0	7.0	7.0	9.3	8.2	8.2	8.2	9.3
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: P245008

CATALOG NUMBER: LSR8B40D010 EC8B40950 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	2387.7	2387.7	2387.7	2387.7	2387.7	2387.7	2387.7	2387.7	2387.7	2387.7	2387.7
2.5°	2385.4	2385.4	2384.2	2381.9	2377.2	2377.2	2376.1	2372.6	2370.3	2369.1	2369.1
5°	2373.7	2369.1	2364.4	2351.6	2351.6	2349.2	2342.3	2337.6	2335.3	2329.4	2327.1
7.5°	2363.3	2349.2	2341.1	2332.9	2322.5	2317.8	2309.6	2306.1	2297.9	2292.1	2288.6
10°	2337.6	2328.3	2317.8	2305.0	2296.8	2287.5	2278.1	2271.2	2260.7	2254.8	2250.1
12.5°	2320.1	2306.1	2296.8	2282.8	2268.8	2260.7	2247.8	2239.7	2229.2	2217.5	2210.5
15°	2303.8	2288.6	2275.8	2260.7	2245.5	2236.2	2221.0	2211.7	2196.5	2184.9	2176.7
17.5°	2279.3	2266.5	2252.5	2233.8	2219.9	2208.2	2191.8	2180.2	2166.2	2151.1	2142.9
20°	2253.7	2238.5	2224.5	2205.9	2191.8	2177.9	2161.6	2148.7	2132.4	2118.4	2109.1
22.5°	2219.9	2202.4	2190.7	2172.0	2155.7	2140.6	2125.4	2110.3	2095.1	2083.4	2072.9
25°	2170.9	2152.2	2139.4	2124.2	2109.1	2097.4	2078.8	2069.5	2054.3	2043.8	2033.3
27.5°	2100.9	2086.9	2075.3	2060.1	2047.3	2038.0	2024.0	2014.7	2001.8	1992.5	1984.3
30°	1998.4	1986.7	1976.2	1961.0	1951.7	1943.5	1930.7	1922.5	1913.2	1902.7	1900.4
32.5°	1860.8	1851.4	1840.9	1830.4	1823.4	1818.8	1808.3	1803.6	1794.3	1788.4	1782.6
35°	1653.2	1645.1	1639.3	1634.6	1632.2	1633.4	1631.1	1635.7	1638.1	1636.9	1638.1
37.5°	1381.6	1376.9	1379.2	1382.8	1394.4	1409.6	1423.5	1444.5	1458.5	1472.5	1485.4
40°	1078.5	1082.0	1091.3	1112.2	1142.6	1176.4	1207.9	1247.5	1287.2	1315.1	1340.8
42.5°	813.8	824.3	847.6	877.9	923.4	973.5	1022.5	1080.8	1128.6	1175.2	1207.9
45°	612.1	626.1	656.4	698.4	748.5	806.8	868.6	933.9	991.0	1038.8	1075.0
47.5°	476.9	489.7	520.0	564.3	626.1	686.7	750.8	818.5	877.9	924.6	956.0
50°	376.6	392.9	419.7	466.4	528.2	592.3	658.7	725.2	781.2	820.8	848.8
52.5°	296.1	311.3	336.9	385.9	448.9	513.0	574.8	640.1	689.0	727.5	746.2
55°	229.7	243.7	270.5	311.3	370.8	433.7	495.5	551.5	596.9	624.9	642.4
57.5°	174.9	185.4	204.0	244.8	298.5	356.7	409.2	465.2	500.2	520.0	531.6
60°	132.9	141.1	160.9	192.4	241.3	291.5	335.8	377.8	405.7	422.1	433.7
62.5°	100.2	109.6	123.6	150.4	187.7	228.5	265.8	297.3	320.6	331.1	339.3
65°	68.8	75.8	86.3	107.3	138.7	167.9	197.0	220.4	235.5	247.2	251.8
67.5°	51.3	56.0	61.8	78.1	100.2	123.6	143.4	159.7	176.1	180.7	188.9
70°	38.5	42.0	47.8	59.5	72.3	88.6	105.0	114.3	125.9	134.1	136.4
72.5°	24.5	25.6	31.5	38.5	48.9	59.5	70.0	78.1	85.1	89.8	92.1
75°	14.0	21.0	21.0	28.0	35.0	39.6	46.6	52.5	56.0	59.5	59.5
77.5°	9.3	12.8	14.0	17.5	21.0	26.8	32.6	36.1	39.6	40.8	40.8
80°	8.2	9.3	9.3	12.8	15.2	19.8	23.3	24.5	26.8	28.0	30.3
82.5°	3.5	4.7	5.8	9.3	10.5	10.5	14.0	15.2	17.5	18.7	18.7
85°	1.2	2.4	2.4	3.5	5.8	7.0	8.2	9.3	10.5	10.5	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: P245008

CATALOG NUMBER: LSR8B40D010 EC8B40950 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	2387.7	2387.7	2387.7	2387.7	2387.7	2387.7	2387.7
2.5°	2366.8	2367.9	2363.3	2362.1	2359.8	2360.9	2363.3
5°	2323.6	2324.8	2320.1	2315.5	2315.5	2314.3	2315.5
7.5°	2282.8	2284.0	2277.0	2274.6	2270.0	2271.2	2271.2
10°	2242.0	2242.0	2231.5	2230.3	2226.8	2225.7	2225.7
12.5°	2202.4	2198.8	2190.7	2186.0	2188.4	2181.4	2181.4
15°	2167.4	2161.6	2151.1	2147.5	2141.7	2139.4	2139.4
17.5°	2131.2	2126.6	2117.3	2110.3	2103.3	2102.1	2103.3
20°	2096.2	2091.6	2079.9	2075.3	2069.5	2069.5	2067.1
22.5°	2061.3	2056.6	2046.1	2042.6	2034.5	2034.5	2035.6
25°	2025.1	2021.6	2010.0	2007.7	2006.5	2001.8	2004.2
27.5°	1976.2	1973.8	1964.5	1961.0	1956.4	1955.2	1957.5
30°	1886.4	1882.9	1875.9	1872.4	1864.3	1865.4	1867.7
32.5°	1774.5	1769.8	1760.5	1757.0	1750.0	1747.7	1748.8
35°	1634.6	1631.1	1622.9	1622.9	1615.9	1613.6	1615.9
37.5°	1492.4	1495.8	1492.4	1495.8	1492.4	1491.2	1492.4
40°	1358.3	1371.1	1373.4	1386.3	1381.6	1388.6	1387.4
42.5°	1230.0	1251.0	1259.2	1269.6	1267.3	1272.0	1275.5
45°	1100.6	1118.1	1126.3	1133.3	1134.4	1136.8	1137.9
47.5°	978.2	992.2	993.3	1001.5	1000.3	1000.3	1003.8
50°	863.9	873.3	875.6	881.4	876.8	874.4	875.6
52.5°	757.8	767.2	764.8	767.2	761.3	759.0	760.1
55°	649.4	654.0	654.0	654.0	647.1	647.1	647.1
57.5°	538.6	539.8	537.5	538.6	537.5	530.5	529.3
60°	437.2	437.2	436.0	437.2	433.7	430.2	430.2
62.5°	341.6	343.9	348.6	343.9	341.6	343.9	340.4
65°	255.3	260.0	258.8	261.2	260.0	260.0	257.7
67.5°	192.4	193.5	194.7	195.9	195.9	195.9	195.9
70°	141.1	144.6	143.4	143.4	143.4	143.4	150.4
72.5°	94.4	99.1	97.9	100.2	100.2	102.6	100.2
75°	64.1	68.8	66.5	70.0	68.8	66.5	72.3
77.5°	43.1	45.5	46.6	47.8	46.6	45.5	46.6
80°	30.3	32.6	31.5	32.6	32.6	32.6	33.8
82.5°	18.7	22.2	21.0	22.2	21.0	22.2	22.2
85°	12.8	14.0	11.7	14.0	12.8	12.8	15.2
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)