

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: P245945

Luminaire Tested: **LD8B50D010 ER8B50950 8LBSW0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245945
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: LD8B50D010 ER8B50950 8LBSW0B
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
90 CRI 5000 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3879.0 lumens
Efficiency: N/A
Efficacy: 73.2 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

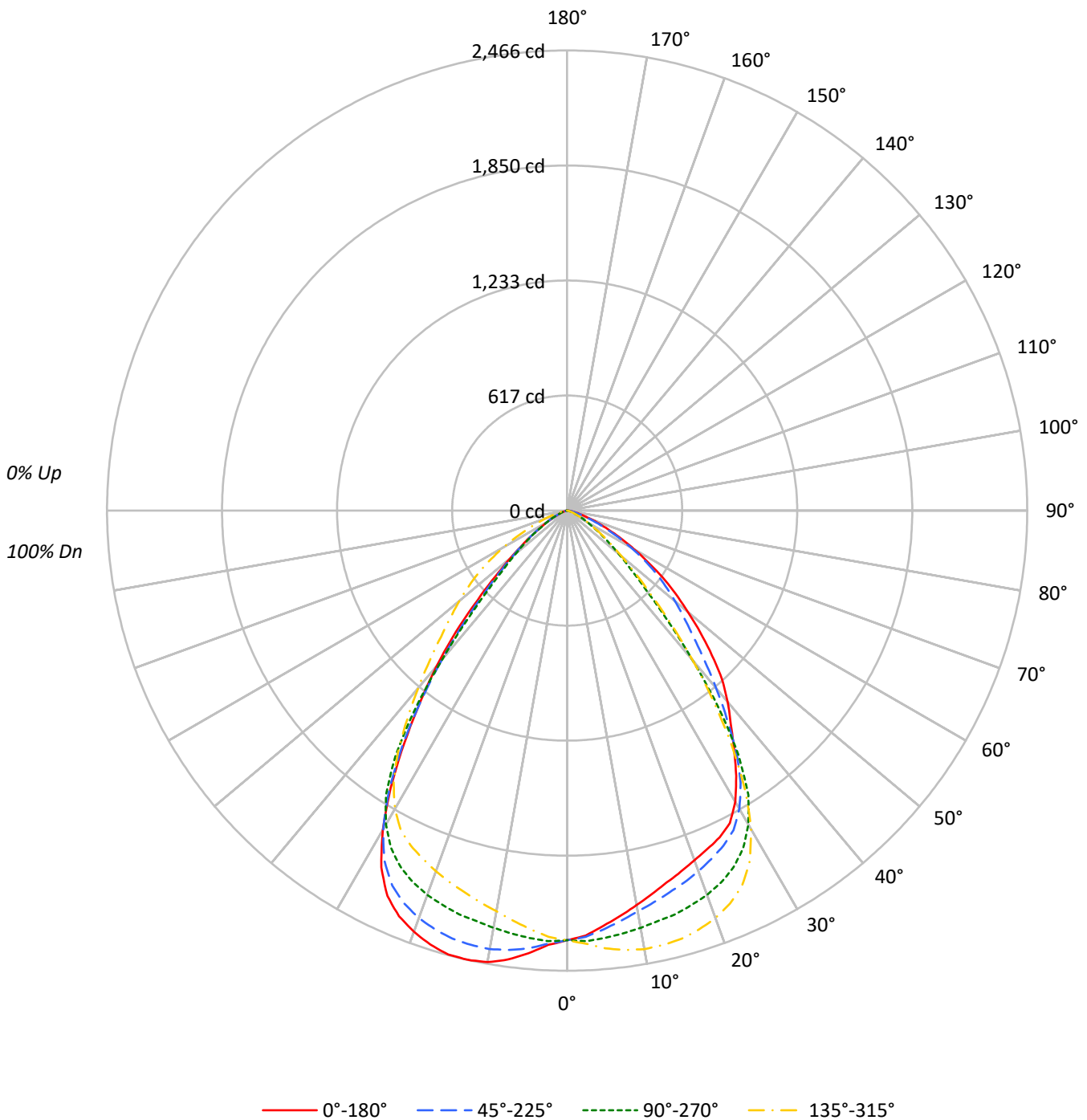
Input Watts (W): 53
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	71010	71010	71010	71010
5°	69124	71179	73720	71179
10°	67211	71085	76930	71085
15°	65869	71507	78613	71507
20°	65421	71915	78816	71915
25°	65765	71770	77548	71770
30°	64138	69145	70387	69145
35°	58668	60317	57227	60317
40°	53864	41957	43816	41957
45°	47861	25599	29619	25599
50°	40508	17098	18988	17098
55°	33553	11666	12333	11666
60°	25588	7765	7832	7765
65°	18132	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°	219.2	5.7
10°-20°	634.7	16.4
20°-30°	961.1	24.8
30°-40°	963.3	24.8
40°-50°	604.9	15.6
50°-60°	322.3	8.3
60°-70°	132.6	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°	1815.0	46.8
0°-40°	2778.3	71.6
0°-60°	3705.5	95.5
0°-90°	3879.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3879.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2303	2303	2303	2303	2303	
5°	2233	2300	2382	2300	2233	211
15°	2063	2240	2462	2240	2063	584
25°	1933	2109	2279	2109	1933	887
35°	1558	1602	1520	1602	1558	976
45°	1098	587	679	587	1098	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°	2302.8	2302.8	2302.8	2302.8	2302.8	2302.8	2302.8	2302.8	2302.8	2302.8	2302.8
2.5°	2279.2	2277.0	2275.9	2278.1	2279.2	2283.7	2282.6	2284.8	2284.8	2286.0	2288.2
5°	2233.1	2232.0	2233.1	2233.1	2237.6	2242.1	2241.0	2244.4	2246.6	2252.3	2254.5
7.5°	2190.4	2190.4	2189.3	2193.8	2196.0	2202.8	2201.6	2207.3	2210.6	2216.2	2224.1
10°	2146.5	2146.5	2147.7	2151.0	2152.2	2162.3	2162.3	2170.1	2174.6	2180.3	2190.4
12.5°	2103.8	2103.8	2110.6	2108.3	2112.8	2120.7	2124.0	2131.9	2138.7	2149.9	2160.1
15°	2063.3	2063.3	2065.6	2071.2	2074.6	2084.7	2090.3	2099.3	2107.2	2118.4	2133.1
17.5°	2028.5	2027.4	2028.5	2035.2	2042.0	2051.0	2055.5	2066.7	2074.6	2089.2	2102.7
20°	1993.6	1995.9	1995.9	2001.5	2006.0	2017.2	2021.7	2034.1	2043.1	2056.6	2072.4
22.5°	1963.3	1962.2	1962.2	1970.0	1973.4	1983.5	1988.0	1999.2	2009.4	2020.6	2035.2
25°	1932.9	1930.6	1935.2	1936.3	1938.5	1949.7	1953.1	1961.0	1971.1	1981.3	1995.9
27.5°	1887.9	1885.7	1886.8	1891.3	1894.7	1903.7	1905.9	1913.8	1921.7	1930.6	1943.0
30°	1801.3	1799.1	1798.0	1805.9	1809.2	1815.9	1819.3	1832.8	1835.1	1845.2	1854.2
32.5°	1686.6	1685.5	1687.8	1694.5	1697.9	1706.9	1711.4	1719.3	1724.9	1730.5	1739.5
35°	1558.5	1556.2	1558.5	1565.2	1565.2	1573.1	1576.5	1579.8	1578.7	1579.8	1577.6
37.5°	1439.3	1438.1	1439.3	1442.6	1439.3	1442.6	1439.3	1432.5	1420.2	1406.7	1393.2
40°	1338.1	1339.2	1332.5	1337.0	1324.6	1322.3	1310.0	1293.1	1268.4	1241.4	1203.2
42.5°	1230.1	1226.8	1222.3	1224.5	1214.4	1206.5	1186.3	1164.9	1133.4	1088.5	1042.3
45°	1097.5	1096.3	1094.1	1093.0	1086.2	1078.3	1061.4	1036.7	1001.9	955.8	900.7
47.5°	968.1	964.8	964.8	965.9	958.0	956.9	943.4	922.0	891.7	846.7	789.4
50°	844.4	843.3	845.6	850.1	844.4	842.2	833.2	818.6	791.6	753.4	699.4
52.5°	733.1	732.0	734.3	739.9	737.6	739.9	730.9	719.6	701.6	664.5	617.3
55°	624.1	624.1	624.1	630.8	630.8	630.8	626.3	619.6	602.7	575.7	531.9
57.5°	510.5	511.6	518.4	519.5	518.4	520.6	519.5	512.7	501.5	482.4	448.7
60°	414.9	414.9	418.3	421.7	420.5	421.7	421.7	418.3	407.1	391.3	364.3
62.5°	328.3	331.7	329.4	331.7	336.2	331.7	329.4	327.2	319.4	309.2	286.7
65°	248.5	250.8	250.8	251.9	249.6	250.8	246.3	242.9	238.4	227.2	212.5
67.5°	188.9	188.9	188.9	188.9	187.8	186.7	185.5	182.2	174.3	169.8	154.0
70°	145.0	138.3	138.3	138.3	138.3	139.4	136.1	131.6	129.3	121.4	110.2
72.5°	96.7	99.0	96.7	96.7	94.5	95.6	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	34.9
80°	32.6	31.5	31.5	31.5	30.4	31.5	29.3	29.3	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°	2302.8	2302.8	2302.8	2302.8	2302.8	2302.8	2302.8	2302.8	2302.8	2302.8	2302.8
2.5°	2291.6	2292.7	2292.7	2297.2	2299.5	2300.6	2300.6	2309.6	2306.2	2308.5	2310.7
5°	2259.0	2265.7	2268.0	2268.0	2280.3	2284.8	2289.3	2299.5	2300.6	2307.3	2315.2
7.5°	2227.5	2235.4	2239.9	2250.0	2257.9	2265.7	2279.2	2286.0	2292.7	2301.7	2311.8
10°	2197.1	2206.2	2215.1	2223.0	2235.4	2245.5	2254.5	2270.2	2278.1	2290.5	2304.0
12.5°	2167.9	2180.3	2188.2	2201.6	2215.1	2224.1	2237.6	2252.3	2264.6	2277.0	2292.7
15°	2142.1	2156.7	2165.7	2180.3	2194.9	2207.3	2221.9	2239.9	2248.9	2263.5	2278.1
17.5°	2113.9	2129.7	2140.9	2154.4	2172.4	2185.9	2198.3	2216.2	2227.5	2243.2	2260.1
20°	2084.7	2100.4	2113.9	2127.4	2145.4	2158.9	2173.5	2191.5	2203.9	2219.6	2233.1
22.5°	2049.9	2064.5	2079.1	2094.8	2112.8	2124.0	2140.9	2156.7	2170.1	2184.8	2198.3
25°	2004.9	2022.9	2034.1	2048.7	2063.3	2075.7	2093.7	2109.4	2120.7	2134.2	2146.5
27.5°	1952.0	1965.5	1974.5	1986.9	2001.5	2012.7	2026.2	2042.0	2053.2	2065.6	2074.6
30°	1862.0	1874.4	1882.3	1891.3	1905.9	1916.1	1927.3	1941.9	1949.7	1958.8	1966.6
32.5°	1744.0	1754.1	1758.6	1765.4	1775.5	1785.6	1794.6	1807.0	1810.3	1815.9	1815.9
35°	1573.1	1575.3	1574.2	1576.5	1581.0	1586.6	1594.4	1602.3	1606.8	1606.8	1603.5
37.5°	1372.9	1359.5	1344.8	1333.6	1330.2	1327.9	1332.5	1335.8	1340.3	1342.6	1337.0
40°	1164.9	1134.6	1101.9	1072.7	1052.5	1043.5	1040.1	1042.3	1042.3	1050.2	1050.2
42.5°	986.1	938.9	890.6	846.7	817.4	795.0	784.9	784.9	786.0	791.6	795.0
45°	837.7	778.1	721.9	673.6	633.1	603.8	590.3	587.0	585.8	588.1	595.9
47.5°	724.1	662.3	603.8	544.2	501.5	472.3	459.9	455.4	450.9	455.4	456.5
50°	635.3	571.2	509.4	449.8	404.8	378.9	363.2	356.4	355.3	355.3	357.6
52.5°	554.3	494.8	432.9	372.2	325.0	300.2	285.6	282.2	277.7	282.2	282.2
55°	477.9	418.3	357.6	300.2	260.8	235.0	221.5	217.0	214.8	218.1	218.1
57.5°	394.7	344.1	287.9	236.1	196.8	178.8	168.7	163.1	161.9	164.2	161.9
60°	323.8	281.1	232.8	185.5	155.2	136.1	128.2	125.9	123.7	125.9	125.9
62.5°	256.4	220.4	181.0	145.0	119.2	105.7	96.7	96.7	95.6	95.6	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	119.2	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°	2302.8	2302.8	2302.8	2302.8	2302.8	2302.8	2302.8	2302.8	2302.8	2302.8	2302.8
2.5°	2316.4	2315.2	2317.5	2317.5	2324.2	2323.1	2326.4	2326.4	2324.2	2325.3	2329.8
5°	2324.2	2327.6	2334.3	2340.0	2350.0	2354.6	2360.2	2365.8	2366.9	2370.3	2373.7
7.5°	2324.2	2335.5	2343.3	2353.4	2366.9	2374.8	2387.2	2397.3	2401.8	2407.4	2414.1
10°	2319.7	2330.9	2345.6	2356.8	2373.7	2386.1	2398.4	2414.1	2420.9	2429.9	2438.9
12.5°	2310.7	2323.1	2338.8	2353.4	2372.5	2383.8	2399.5	2414.1	2424.3	2436.6	2446.8
15°	2297.2	2311.8	2326.4	2341.1	2361.3	2374.8	2389.4	2406.3	2416.4	2429.9	2438.9
17.5°	2275.9	2291.6	2305.1	2318.6	2337.7	2353.4	2366.9	2382.7	2392.8	2404.1	2416.4
20°	2250.0	2264.6	2279.2	2290.5	2309.6	2323.1	2337.7	2352.3	2360.2	2362.5	2381.6
22.5°	2217.4	2227.5	2238.7	2256.7	2268.0	2280.3	2293.9	2307.3	2315.2	2327.6	2334.3
25°	2163.4	2173.5	2185.9	2193.8	2207.3	2217.4	2230.9	2245.5	2250.0	2259.0	2265.7
27.5°	2088.1	2093.7	2099.3	2106.0	2113.9	2119.6	2127.4	2134.2	2138.7	2143.2	2147.7
30°	1968.9	1968.9	1968.9	1964.4	1967.8	1971.1	1972.2	1971.1	1971.1	1970.0	1970.0
32.5°	1811.5	1802.5	1792.3	1783.4	1780.0	1775.5	1773.2	1769.8	1764.2	1760.9	1762.0
35°	1598.9	1578.7	1566.3	1555.1	1546.1	1539.4	1536.0	1532.6	1531.5	1527.0	1522.5
37.5°	1333.6	1319.0	1310.0	1303.2	1295.4	1288.6	1289.7	1290.9	1294.2	1292.0	1293.1
40°	1052.5	1049.1	1052.5	1044.6	1042.3	1044.6	1050.2	1058.1	1062.6	1067.1	1075.0
42.5°	800.6	806.2	814.1	814.1	817.4	822.0	828.7	841.1	847.8	855.7	864.7
45°	602.7	609.4	619.6	622.9	625.2	630.8	638.7	648.8	653.3	660.0	667.9
47.5°	464.4	468.9	474.5	480.1	485.7	488.0	495.9	495.9	501.5	506.0	508.2
50°	362.1	366.6	371.0	374.4	376.7	380.1	382.3	385.7	386.8	389.1	390.2
52.5°	283.3	289.0	289.0	291.2	294.6	298.0	296.9	298.0	299.1	299.1	302.5
55°	221.5	221.5	224.9	224.9	227.2	226.0	227.2	227.2	227.2	227.2	228.3
57.5°	165.3	166.4	169.8	167.5	166.4	168.7	166.4	168.7	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°	95.6	96.7	97.8	96.7	96.7	96.7	95.6	95.6	94.5	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	29.3	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: P245945

CATALOG NUMBER: LD8B50D010 ER8B50950 8LBSW0B

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	2302.8	2302.8	2302.8	2302.8	2302.8	2302.8	2302.8	2302.8	2302.8	2302.8	2302.8
2.5°	2328.7	2327.6	2328.7	2329.8	2328.7	2327.6	2328.7	2329.8	2325.3	2324.2	2326.4
5°	2378.2	2378.2	2380.4	2381.6	2380.4	2378.2	2378.2	2373.7	2370.3	2366.9	2365.8
7.5°	2420.9	2423.2	2425.4	2426.5	2425.4	2423.2	2420.9	2414.1	2407.4	2401.8	2397.3
10°	2446.8	2450.2	2454.6	2456.9	2454.6	2450.2	2446.8	2438.9	2429.9	2420.9	2414.1
12.5°	2458.0	2461.4	2467.0	2465.9	2467.0	2461.4	2458.0	2446.8	2436.6	2424.3	2414.1
15°	2450.2	2454.6	2460.2	2462.5	2460.2	2454.6	2450.2	2438.9	2429.9	2416.4	2406.3
17.5°	2425.4	2432.2	2435.5	2438.9	2435.5	2432.2	2425.4	2416.4	2404.1	2392.8	2382.7
20°	2391.7	2396.2	2400.7	2401.8	2400.7	2396.2	2391.7	2381.6	2362.5	2360.2	2352.3
22.5°	2343.3	2346.7	2356.8	2353.4	2356.8	2346.7	2343.3	2334.3	2327.6	2315.2	2307.3
25°	2273.6	2277.0	2278.1	2279.2	2278.1	2277.0	2273.6	2265.7	2259.0	2250.0	2245.5
27.5°	2153.3	2153.3	2155.5	2156.7	2155.5	2153.3	2153.3	2147.7	2143.2	2138.7	2134.2
30°	1971.1	1971.1	1971.1	1976.8	1971.1	1971.1	1971.1	1970.0	1970.0	1971.1	1971.1
32.5°	1760.9	1758.6	1756.4	1758.6	1756.4	1758.6	1760.9	1762.0	1760.9	1764.2	1769.8
35°	1522.5	1521.4	1524.7	1520.2	1524.7	1521.4	1522.5	1522.5	1527.0	1531.5	1532.6
37.5°	1294.2	1292.0	1296.5	1292.0	1296.5	1292.0	1294.2	1293.1	1292.0	1294.2	1290.9
40°	1077.2	1079.5	1079.5	1088.5	1079.5	1079.5	1077.2	1075.0	1067.1	1062.6	1058.1
42.5°	869.2	875.9	873.7	880.4	873.7	875.9	869.2	864.7	855.7	847.8	841.1
45°	672.4	676.9	676.9	679.2	676.9	676.9	672.4	667.9	660.0	653.3	648.8
47.5°	516.1	516.1	516.1	517.3	516.1	516.1	516.1	508.2	506.0	501.5	495.9
50°	392.4	393.5	394.7	395.8	394.7	393.5	392.4	390.2	389.1	386.8	385.7
52.5°	301.3	302.5	300.2	302.5	300.2	302.5	301.3	302.5	299.1	299.1	298.0
55°	228.3	227.2	228.3	229.4	228.3	227.2	228.3	228.3	227.2	227.2	227.2
57.5°	167.5	165.3	165.3	165.3	165.3	165.3	167.5	166.4	169.8	167.5	168.7
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	95.6	93.3	95.6	93.3	95.6	92.2	93.3	93.3	94.5	95.6
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	29.3	29.3	32.6	29.3	29.3	32.6	30.4	29.3	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: P245945

CATALOG NUMBER: LD8B50D010 ER8B50950 8LBSW0B

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	2302.8	2302.8	2302.8	2302.8	2302.8	2302.8	2302.8	2302.8	2302.8	2302.8	2302.8
2.5°	2326.4	2323.1	2324.2	2317.5	2317.5	2315.2	2316.4	2310.7	2308.5	2306.2	2309.6
5°	2360.2	2354.6	2350.0	2340.0	2334.3	2327.6	2324.2	2315.2	2307.3	2300.6	2299.5
7.5°	2387.2	2374.8	2366.9	2353.4	2343.3	2335.5	2324.2	2311.8	2301.7	2292.7	2286.0
10°	2398.4	2386.1	2373.7	2356.8	2345.6	2330.9	2319.7	2304.0	2290.5	2278.1	2270.2
12.5°	2399.5	2383.8	2372.5	2353.4	2338.8	2323.1	2310.7	2292.7	2277.0	2264.6	2252.3
15°	2389.4	2374.8	2361.3	2341.1	2326.4	2311.8	2297.2	2278.1	2263.5	2248.9	2239.9
17.5°	2366.9	2353.4	2337.7	2318.6	2305.1	2291.6	2275.9	2260.1	2243.2	2227.5	2216.2
20°	2337.7	2323.1	2309.6	2290.5	2279.2	2264.6	2250.0	2233.1	2219.6	2203.9	2191.5
22.5°	2293.9	2280.3	2268.0	2256.7	2238.7	2227.5	2217.4	2198.3	2184.8	2170.1	2156.7
25°	2230.9	2217.4	2207.3	2193.8	2185.9	2173.5	2163.4	2146.5	2134.2	2120.7	2109.4
27.5°	2127.4	2119.6	2113.9	2106.0	2099.3	2093.7	2088.1	2074.6	2065.6	2053.2	2042.0
30°	1972.2	1971.1	1967.8	1964.4	1968.9	1968.9	1968.9	1966.6	1958.8	1949.7	1941.9
32.5°	1773.2	1775.5	1780.0	1783.4	1792.3	1802.5	1811.5	1815.9	1815.9	1810.3	1807.0
35°	1536.0	1539.4	1546.1	1555.1	1566.3	1578.7	1598.9	1603.5	1606.8	1606.8	1602.3
37.5°	1289.7	1288.6	1295.4	1303.2	1310.0	1319.0	1333.6	1337.0	1342.6	1340.3	1335.8
40°	1050.2	1044.6	1042.3	1044.6	1052.5	1049.1	1052.5	1050.2	1050.2	1042.3	1042.3
42.5°	828.7	822.0	817.4	814.1	814.1	806.2	800.6	795.0	791.6	786.0	784.9
45°	638.7	630.8	625.2	622.9	619.6	609.4	602.7	595.9	588.1	585.8	587.0
47.5°	495.9	488.0	485.7	480.1	474.5	468.9	464.4	456.5	455.4	450.9	455.4
50°	382.3	380.1	376.7	374.4	371.0	366.6	362.1	357.6	355.3	355.3	356.4
52.5°	296.9	298.0	294.6	291.2	289.0	289.0	283.3	282.2	282.2	277.7	282.2
55°	227.2	226.0	227.2	224.9	224.9	221.5	221.5	218.1	218.1	214.8	217.0
57.5°	166.4	168.7	166.4	167.5	169.8	166.4	165.3	161.9	164.2	161.9	163.1
60°	129.3	129.3	129.3	128.2	128.2	127.0	127.0	125.9	125.9	123.7	125.9
62.5°	95.6	96.7	96.7	96.7	97.8	96.7	95.6	96.7	95.6	95.6	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: P245945

CATALOG NUMBER: LD8B50D010 ER8B50950 8LBSW0B

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	2302.8	2302.8	2302.8	2302.8	2302.8	2302.8	2302.8	2302.8	2302.8	2302.8	2302.8
2.5°	2300.6	2300.6	2299.5	2297.2	2292.7	2292.7	2291.6	2288.2	2286.0	2284.8	2284.8
5°	2289.3	2284.8	2280.3	2268.0	2268.0	2265.7	2259.0	2254.5	2252.3	2246.6	2244.4
7.5°	2279.2	2265.7	2257.9	2250.0	2239.9	2235.4	2227.5	2224.1	2216.2	2210.6	2207.3
10°	2254.5	2245.5	2235.4	2223.0	2215.1	2206.2	2197.1	2190.4	2180.3	2174.6	2170.1
12.5°	2237.6	2224.1	2215.1	2201.6	2188.2	2180.3	2167.9	2160.1	2149.9	2138.7	2131.9
15°	2221.9	2207.3	2194.9	2180.3	2165.7	2156.7	2142.1	2133.1	2118.4	2107.2	2099.3
17.5°	2198.3	2185.9	2172.4	2154.4	2140.9	2129.7	2113.9	2102.7	2089.2	2074.6	2066.7
20°	2173.5	2158.9	2145.4	2127.4	2113.9	2100.4	2084.7	2072.4	2056.6	2043.1	2034.1
22.5°	2140.9	2124.0	2112.8	2094.8	2079.1	2064.5	2049.9	2035.2	2020.6	2009.4	1999.2
25°	2093.7	2075.7	2063.3	2048.7	2034.1	2022.9	2004.9	1995.9	1981.3	1971.1	1961.0
27.5°	2026.2	2012.7	2001.5	1986.9	1974.5	1965.5	1952.0	1943.0	1930.6	1921.7	1913.8
30°	1927.3	1916.1	1905.9	1891.3	1882.3	1874.4	1862.0	1854.2	1845.2	1835.1	1832.8
32.5°	1794.6	1785.6	1775.5	1765.4	1758.6	1754.1	1744.0	1739.5	1730.5	1724.9	1719.3
35°	1594.4	1586.6	1581.0	1576.5	1574.2	1575.3	1573.1	1577.6	1579.8	1578.7	1579.8
37.5°	1332.5	1327.9	1330.2	1333.6	1344.8	1359.5	1372.9	1393.2	1406.7	1420.2	1432.5
40°	1040.1	1043.5	1052.5	1072.7	1101.9	1134.6	1164.9	1203.2	1241.4	1268.4	1293.1
42.5°	784.9	795.0	817.4	846.7	890.6	938.9	986.1	1042.3	1088.5	1133.4	1164.9
45°	590.3	603.8	633.1	673.6	721.9	778.1	837.7	900.7	955.8	1001.9	1036.7
47.5°	459.9	472.3	501.5	544.2	603.8	662.3	724.1	789.4	846.7	891.7	922.0
50°	363.2	378.9	404.8	449.8	509.4	571.2	635.3	699.4	753.4	791.6	818.6
52.5°	285.6	300.2	325.0	372.2	432.9	494.8	554.3	617.3	664.5	701.6	719.6
55°	221.5	235.0	260.8	300.2	357.6	418.3	477.9	531.9	575.7	602.7	619.6
57.5°	168.7	178.8	196.8	236.1	287.9	344.1	394.7	448.7	482.4	501.5	512.7
60°	128.2	136.1	155.2	185.5	232.8	281.1	323.8	364.3	391.3	407.1	418.3
62.5°	96.7	105.7	119.2	145.0	181.0	220.4	256.4	286.7	309.2	319.4	327.2
65°	66.3	73.1	83.2	103.4	133.8	161.9	190.0	212.5	227.2	238.4	242.9
67.5°	49.5	54.0	59.6	75.3	96.7	119.2	138.3	154.0	169.8	174.3	182.2
70°	37.1	40.5	46.1	57.3	69.7	85.4	101.2	110.2	121.4	129.3	131.6
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	34.9	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	29.3
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: P245945

CATALOG NUMBER: LD8B50D010 ER8B50950 8LBSW0B

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	2302.8	2302.8	2302.8	2302.8	2302.8	2302.8	2302.8
2.5°	2282.6	2283.7	2279.2	2278.1	2275.9	2277.0	2279.2
5°	2241.0	2242.1	2237.6	2233.1	2233.1	2232.0	2233.1
7.5°	2201.6	2202.8	2196.0	2193.8	2189.3	2190.4	2190.4
10°	2162.3	2162.3	2152.2	2151.0	2147.7	2146.5	2146.5
12.5°	2124.0	2120.7	2112.8	2108.3	2110.6	2103.8	2103.8
15°	2090.3	2084.7	2074.6	2071.2	2065.6	2063.3	2063.3
17.5°	2055.5	2051.0	2042.0	2035.2	2028.5	2027.4	2028.5
20°	2021.7	2017.2	2006.0	2001.5	1995.9	1995.9	1993.6
22.5°	1988.0	1983.5	1973.4	1970.0	1962.2	1962.2	1963.3
25°	1953.1	1949.7	1938.5	1936.3	1935.2	1930.6	1932.9
27.5°	1905.9	1903.7	1894.7	1891.3	1886.8	1885.7	1887.9
30°	1819.3	1815.9	1809.2	1805.9	1798.0	1799.1	1801.3
32.5°	1711.4	1706.9	1697.9	1694.5	1687.8	1685.5	1686.6
35°	1576.5	1573.1	1565.2	1565.2	1558.5	1556.2	1558.5
37.5°	1439.3	1442.6	1439.3	1442.6	1439.3	1438.1	1439.3
40°	1310.0	1322.3	1324.6	1337.0	1332.5	1339.2	1338.1
42.5°	1186.3	1206.5	1214.4	1224.5	1222.3	1226.8	1230.1
45°	1061.4	1078.3	1086.2	1093.0	1094.1	1096.3	1097.5
47.5°	943.4	956.9	958.0	965.9	964.8	964.8	968.1
50°	833.2	842.2	844.4	850.1	845.6	843.3	844.4
52.5°	730.9	739.9	737.6	739.9	734.3	732.0	733.1
55°	626.3	630.8	630.8	630.8	624.1	624.1	624.1
57.5°	519.5	520.6	518.4	519.5	518.4	511.6	510.5
60°	421.7	421.7	420.5	421.7	418.3	414.9	414.9
62.5°	329.4	331.7	336.2	331.7	329.4	331.7	328.3
65°	246.3	250.8	249.6	251.9	250.8	250.8	248.5
67.5°	185.5	186.7	187.8	188.9	188.9	188.9	188.9
70°	136.1	139.4	138.3	138.3	138.3	138.3	145.0
72.5°	91.1	95.6	94.5	96.7	96.7	99.0	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°	29.3	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)