

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: P245015

Luminaire Tested: **LD8B50D010 ER8B50927 8LBSW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245015
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 ER8B50927 8LBSW0WMH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
97 CRI 2700 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3800.0 lumens
Efficiency: N/A
Efficacy: 71.7 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

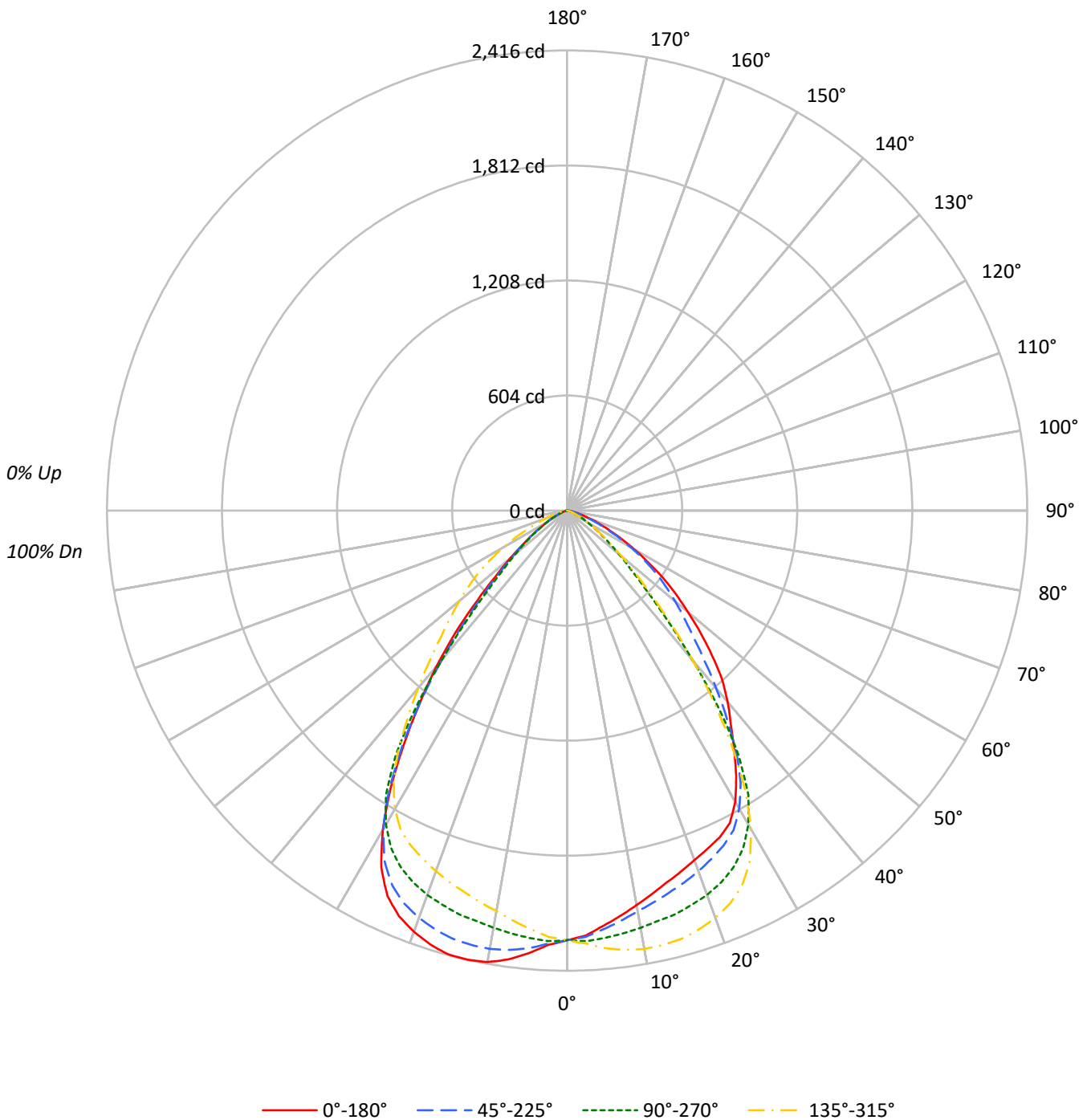
Input Watts (W): 53
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	214.7	5.7
10°-20°	621.8	16.4
20°-30°	941.5	24.8
30°-40°	943.6	24.8
40°-50°	592.6	15.6
50°-60°	315.8	8.3
60°-70°	129.9	3.4
70°-80°	34.3	0.9
80°-90°	5.8	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°	1778.1	46.8
0°-40°	2721.7	71.6
0°-60°	3630.0	95.5
0°-90°	3800.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3800.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2256	2256	2256	2256	2256	
5°	2188	2253	2333	2253	2188	206
15°	2021	2194	2412	2194	2021	572
25°	1894	2066	2233	2066	1894	868
35°	1527	1570	1489	1570	1527	956
45°	1075	575	665	575	1075	827
55°	611	213	225	213	611	545
65°	243	65	60	65	243	253
75°	68	13	11	13	68	77
85°	14	0	1	0	14	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°	2255.9	2255.9	2255.9	2255.9	2255.9	2255.9	2255.9	2255.9	2255.9	2255.9	2255.9
2.5°	2232.8	2230.6	2229.5	2231.7	2232.8	2237.2	2236.1	2238.3	2238.3	2239.4	2241.6
5°	2187.7	2186.5	2187.7	2187.7	2192.1	2196.5	2195.4	2198.7	2200.9	2206.4	2208.6
7.5°	2145.8	2145.8	2144.7	2149.1	2151.3	2157.9	2156.8	2162.3	2165.6	2171.1	2178.8
10°	2102.8	2102.8	2103.9	2107.2	2108.4	2118.2	2118.2	2125.9	2130.3	2135.9	2145.8
12.5°	2061.0	2061.0	2067.6	2065.4	2069.8	2077.5	2080.8	2088.5	2095.1	2106.1	2116.1
15°	2021.3	2021.3	2023.5	2029.0	2032.3	2042.3	2047.7	2056.6	2064.3	2075.3	2089.6
17.5°	1987.2	1986.1	1987.2	1993.8	2000.4	2009.2	2013.6	2024.6	2032.3	2046.6	2059.9
20°	1953.0	1955.2	1955.2	1960.7	1965.1	1976.1	1980.5	1992.7	2001.5	2014.7	2030.1
22.5°	1923.3	1922.2	1922.2	1929.9	1933.2	1943.1	1947.5	1958.5	1968.4	1979.5	1993.8
25°	1893.5	1891.3	1895.8	1896.8	1899.0	1910.0	1913.4	1921.1	1931.0	1940.9	1955.2
27.5°	1849.5	1847.3	1848.4	1852.8	1856.1	1864.9	1867.1	1874.8	1882.5	1891.3	1903.5
30°	1764.6	1762.5	1761.4	1769.1	1772.4	1779.0	1782.3	1795.5	1797.7	1807.6	1816.4
32.5°	1652.3	1651.2	1653.4	1660.0	1663.3	1672.1	1676.5	1684.2	1689.7	1695.3	1704.1
35°	1526.7	1524.5	1526.7	1533.4	1533.4	1541.1	1544.4	1547.6	1546.5	1547.6	1545.5
37.5°	1410.0	1408.9	1410.0	1413.2	1410.0	1413.2	1410.0	1403.4	1391.3	1378.0	1364.8
40°	1310.8	1311.9	1305.3	1309.7	1297.6	1295.4	1283.3	1266.8	1242.5	1216.1	1178.7
42.5°	1205.1	1201.8	1197.4	1199.6	1189.7	1181.9	1162.1	1141.2	1110.3	1066.3	1021.1
45°	1075.1	1074.0	1071.8	1070.7	1064.1	1056.4	1039.8	1015.6	981.5	936.3	882.3
47.5°	948.4	945.1	945.1	946.2	938.5	937.4	924.2	903.3	873.5	829.5	773.3
50°	827.2	826.1	828.4	832.8	827.2	825.1	816.3	801.9	775.5	738.0	685.1
52.5°	718.2	717.1	719.3	724.8	722.6	724.8	716.0	705.0	687.4	651.0	604.7
55°	611.4	611.4	611.4	617.9	617.9	617.9	613.5	607.0	590.4	564.0	521.0
57.5°	500.1	501.2	507.8	508.9	507.8	510.0	508.9	502.3	491.3	472.6	439.5
60°	406.5	406.5	409.8	413.1	412.0	413.1	413.1	409.8	398.8	383.4	356.9
62.5°	321.6	325.0	322.7	325.0	329.4	325.0	322.7	320.6	312.8	302.9	280.9
65°	243.4	245.7	245.7	246.7	244.5	245.7	241.3	237.9	233.5	222.5	208.2
67.5°	185.1	185.1	185.1	185.1	183.9	182.9	181.8	178.5	170.8	166.4	150.9
70°	142.1	135.5	135.5	135.5	135.5	136.6	133.3	128.9	126.7	119.0	108.0
72.5°	94.7	96.9	94.7	94.7	92.5	93.6	89.2	87.0	84.8	80.4	73.8
75°	68.3	62.8	65.0	66.1	62.8	65.0	60.6	56.2	56.2	52.9	49.6
77.5°	44.1	43.0	44.1	45.2	44.1	43.0	40.8	38.5	38.5	37.5	34.1
80°	32.0	30.8	30.8	30.8	29.7	30.8	28.7	28.7	26.4	25.3	23.1
82.5°	20.9	20.9	19.8	20.9	19.8	20.9	17.6	17.6	17.6	16.5	14.3
85°	14.3	12.1	12.1	13.2	11.0	13.2	12.1	11.0	9.9	9.9	8.8
87.5°	6.6	7.7	6.6	7.7	6.6	6.6	7.7	6.6	6.6	4.4	4.4
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	2255.9	2255.9	2255.9	2255.9	2255.9	2255.9	2255.9	2255.9	2255.9	2255.9	2255.9
2.5°	2244.9	2246.0	2246.0	2250.5	2252.6	2253.7	2253.7	2262.6	2259.2	2261.5	2263.6
5°	2213.0	2219.6	2221.8	2221.8	2233.9	2238.3	2242.7	2252.6	2253.7	2260.3	2268.0
7.5°	2182.1	2189.8	2194.3	2204.2	2211.9	2219.6	2232.8	2239.4	2246.0	2254.9	2264.7
10°	2152.4	2161.2	2170.0	2177.7	2189.8	2199.8	2208.6	2224.0	2231.7	2243.8	2257.0
12.5°	2123.8	2135.9	2143.6	2156.8	2170.0	2178.8	2192.1	2206.4	2218.5	2230.6	2246.0
15°	2098.4	2112.8	2121.6	2135.9	2150.2	2162.3	2176.6	2194.3	2203.1	2217.4	2231.7
17.5°	2070.9	2086.3	2097.3	2110.5	2128.2	2141.4	2153.5	2171.1	2182.1	2197.5	2214.1
20°	2042.3	2057.7	2070.9	2084.1	2101.7	2114.9	2129.3	2146.9	2159.0	2174.4	2187.7
22.5°	2008.1	2022.4	2036.7	2052.1	2069.8	2080.8	2097.3	2112.8	2125.9	2140.3	2153.5
25°	1964.0	1981.7	1992.7	2007.0	2021.3	2033.4	2051.0	2066.5	2077.5	2090.7	2102.8
27.5°	1912.3	1925.5	1934.3	1946.4	1960.7	1971.7	1984.9	2000.4	2011.4	2023.5	2032.3
30°	1824.1	1836.3	1844.0	1852.8	1867.1	1877.0	1888.1	1902.3	1910.0	1918.9	1926.6
32.5°	1708.5	1718.4	1722.8	1729.4	1739.3	1749.2	1758.1	1770.2	1773.5	1779.0	1779.0
35°	1541.1	1543.2	1542.2	1544.4	1548.8	1554.3	1562.0	1569.7	1574.1	1574.1	1570.8
37.5°	1345.0	1331.8	1317.4	1306.4	1303.1	1300.9	1305.3	1308.6	1313.0	1315.2	1309.7
40°	1141.2	1111.5	1079.5	1050.8	1031.0	1022.2	1018.9	1021.1	1021.1	1028.8	1028.8
42.5°	966.1	919.8	872.4	829.5	800.8	778.8	768.9	768.9	770.0	775.5	778.8
45°	820.7	762.3	707.2	659.8	620.2	591.5	578.3	575.0	573.9	576.1	583.8
47.5°	709.4	648.8	591.5	533.2	491.3	462.6	450.5	446.1	441.7	446.1	447.2
50°	622.4	559.6	499.0	440.6	396.5	371.2	355.8	349.2	348.1	348.1	350.3
52.5°	543.0	484.7	424.1	364.6	318.3	294.1	279.8	276.5	272.1	276.5	276.5
55°	468.1	409.8	350.3	294.1	255.5	230.2	217.0	212.6	210.4	213.7	213.7
57.5°	386.7	337.1	282.0	231.3	192.8	175.1	165.2	159.7	158.6	160.8	158.6
60°	317.2	275.4	228.0	181.8	152.0	133.3	125.6	123.4	121.1	123.4	123.4
62.5°	251.1	215.9	177.3	142.1	116.8	103.6	94.7	94.7	93.6	93.6	94.7
65°	186.2	158.6	131.1	101.3	81.5	71.6	65.0	65.0	63.9	65.0	63.9
67.5°	135.5	116.8	94.7	73.8	58.4	52.9	48.5	45.2	47.4	45.2	44.1
70°	99.2	83.7	68.3	56.2	45.2	39.7	36.4	35.2	33.1	33.1	33.1
72.5°	66.1	56.2	46.2	36.4	29.7	24.2	23.1	20.9	18.7	19.8	22.0
75°	44.1	37.5	33.1	26.4	19.8	19.8	13.2	13.2	11.0	13.2	9.9
77.5°	30.8	25.3	19.8	16.5	13.2	12.1	8.8	8.8	7.7	7.7	7.7
80°	22.0	18.7	14.3	12.1	8.8	8.8	7.7	6.6	5.5	5.5	6.6
82.5°	13.2	9.9	9.9	8.8	5.5	4.4	3.3	4.4	2.2	2.2	2.2
85°	7.7	6.6	5.5	3.3	2.2	2.2	1.1	0.0	1.1	1.1	0.0
87.5°	4.4	2.2	2.2	1.1	0.0	1.1	1.1	0.0	0.0	0.0	2.2
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°	2255.9	2255.9	2255.9	2255.9	2255.9	2255.9	2255.9	2255.9	2255.9	2255.9	2255.9
2.5°	2269.2	2268.0	2270.3	2270.3	2276.9	2275.8	2279.1	2279.1	2276.9	2278.0	2282.4
5°	2276.9	2280.2	2286.8	2292.3	2302.2	2306.6	2312.1	2317.6	2318.7	2322.0	2325.4
7.5°	2276.9	2287.9	2295.6	2305.5	2318.7	2326.4	2338.5	2348.5	2352.9	2358.4	2365.0
10°	2272.4	2283.5	2297.8	2308.8	2325.4	2337.5	2349.6	2365.0	2371.6	2380.4	2389.2
12.5°	2263.6	2275.8	2291.2	2305.5	2324.2	2335.2	2350.7	2365.0	2374.9	2387.0	2396.9
15°	2250.5	2264.7	2279.1	2293.4	2313.2	2326.4	2340.8	2357.3	2367.2	2380.4	2389.2
17.5°	2229.5	2244.9	2258.2	2271.4	2290.1	2305.5	2318.7	2334.2	2344.1	2355.1	2367.2
20°	2204.2	2218.5	2232.8	2243.8	2262.6	2275.8	2290.1	2304.4	2312.1	2314.3	2333.1
22.5°	2172.2	2182.1	2193.1	2210.8	2221.8	2233.9	2247.1	2260.3	2268.0	2280.2	2286.8
25°	2119.3	2129.3	2141.4	2149.1	2162.3	2172.2	2185.4	2199.8	2204.2	2213.0	2219.6
27.5°	2045.6	2051.0	2056.6	2063.2	2070.9	2076.4	2084.1	2090.7	2095.1	2099.5	2103.9
30°	1928.8	1928.8	1928.8	1924.4	1927.7	1931.0	1932.1	1931.0	1931.0	1929.9	1929.9
32.5°	1774.6	1765.8	1755.8	1747.0	1743.7	1739.3	1737.1	1733.8	1728.3	1725.0	1726.1
35°	1566.4	1546.5	1534.4	1523.4	1514.6	1508.0	1504.7	1501.4	1500.3	1495.9	1491.5
37.5°	1306.4	1292.1	1283.3	1276.7	1269.0	1262.4	1263.4	1264.6	1267.8	1265.7	1266.8
40°	1031.0	1027.7	1031.0	1023.3	1021.1	1023.3	1028.8	1036.6	1041.0	1045.4	1053.1
42.5°	784.3	789.8	797.5	797.5	800.8	805.2	811.8	824.0	830.5	838.2	847.1
45°	590.4	597.0	607.0	610.2	612.5	617.9	625.7	635.6	640.0	646.6	654.3
47.5°	454.9	459.3	464.8	470.4	475.8	478.1	485.8	485.8	491.3	495.7	497.9
50°	354.7	359.1	363.5	366.8	369.0	372.3	374.5	377.8	378.9	381.1	382.2
52.5°	277.6	283.1	283.1	285.3	288.6	291.9	290.8	291.9	293.0	293.0	296.3
55°	217.0	217.0	220.3	220.3	222.5	221.4	222.5	222.5	222.5	222.5	223.6
57.5°	161.9	163.0	166.4	164.1	163.0	165.2	163.0	165.2	164.1	166.4	163.0
60°	124.5	124.5	125.6	125.6	126.7	126.7	126.7	125.6	125.6	124.5	124.5
62.5°	93.6	94.7	95.8	94.7	94.7	94.7	93.6	93.6	92.5	91.4	91.4
65°	62.8	61.7	63.9	61.7	62.8	62.8	61.7	62.8	59.5	60.6	59.5
67.5°	45.2	44.1	43.0	44.1	43.0	41.8	41.8	43.0	44.1	40.8	40.8
70°	29.7	30.8	29.7	30.8	32.0	32.0	30.8	29.7	30.8	28.7	29.7
72.5°	18.7	18.7	18.7	18.7	18.7	19.8	19.8	19.8	17.6	17.6	16.5
75°	8.8	12.1	9.9	8.8	12.1	12.1	11.0	11.0	9.9	9.9	9.9
77.5°	8.8	6.6	6.6	6.6	6.6	6.6	6.6	6.6	5.5	6.6	5.5
80°	4.4	4.4	4.4	3.3	4.4	4.4	5.5	4.4	4.4	3.3	5.5
82.5°	2.2	2.2	2.2	0.0	1.1	2.2	2.2	1.1	2.2	2.2	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: P245015

CATALOG NUMBER: LD8B50D010 ER8B50927 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	2255.9	2255.9	2255.9	2255.9	2255.9	2255.9	2255.9	2255.9	2255.9	2255.9	2255.9
2.5°	2281.3	2280.2	2281.3	2282.4	2281.3	2280.2	2281.3	2282.4	2278.0	2276.9	2279.1
5°	2329.8	2329.8	2331.9	2333.1	2331.9	2329.8	2329.8	2325.4	2322.0	2318.7	2317.6
7.5°	2371.6	2373.8	2376.0	2377.1	2376.0	2373.8	2371.6	2365.0	2358.4	2352.9	2348.5
10°	2396.9	2400.3	2404.7	2406.8	2404.7	2400.3	2396.9	2389.2	2380.4	2371.6	2365.0
12.5°	2408.0	2411.3	2416.8	2415.7	2416.8	2411.3	2408.0	2396.9	2387.0	2374.9	2365.0
15°	2400.3	2404.7	2410.1	2412.4	2410.1	2404.7	2400.3	2389.2	2380.4	2367.2	2357.3
17.5°	2376.0	2382.6	2385.9	2389.2	2385.9	2382.6	2376.0	2367.2	2355.1	2344.1	2334.2
20°	2342.9	2347.4	2351.8	2352.9	2351.8	2347.4	2342.9	2333.1	2314.3	2312.1	2304.4
22.5°	2295.6	2298.9	2308.8	2305.5	2308.8	2298.9	2295.6	2286.8	2280.2	2268.0	2260.3
25°	2227.3	2230.6	2231.7	2232.8	2231.7	2230.6	2227.3	2219.6	2213.0	2204.2	2199.8
27.5°	2109.4	2109.4	2111.6	2112.8	2111.6	2109.4	2109.4	2103.9	2099.5	2095.1	2090.7
30°	1931.0	1931.0	1931.0	1936.5	1931.0	1931.0	1931.0	1929.9	1929.9	1931.0	1931.0
32.5°	1725.0	1722.8	1720.6	1722.8	1720.6	1722.8	1725.0	1726.1	1725.0	1728.3	1733.8
35°	1491.5	1490.4	1493.7	1489.3	1493.7	1490.4	1491.5	1491.5	1495.9	1500.3	1501.4
37.5°	1267.8	1265.7	1270.1	1265.7	1270.1	1265.7	1267.8	1266.8	1265.7	1267.8	1264.6
40°	1055.3	1057.5	1057.5	1066.3	1057.5	1057.5	1055.3	1053.1	1045.4	1041.0	1036.6
42.5°	851.5	858.1	855.9	862.5	855.9	858.1	851.5	847.1	838.2	830.5	824.0
45°	658.7	663.1	663.1	665.3	663.1	663.1	658.7	654.3	646.6	640.0	635.6
47.5°	505.6	505.6	505.6	506.7	505.6	505.6	505.6	497.9	495.7	491.3	485.8
50°	384.4	385.5	386.7	387.7	386.7	385.5	384.4	382.2	381.1	378.9	377.8
52.5°	295.2	296.3	294.1	296.3	294.1	296.3	295.2	296.3	293.0	293.0	291.9
55°	223.6	222.5	223.6	224.7	223.6	222.5	223.6	223.6	222.5	222.5	222.5
57.5°	164.1	161.9	161.9	161.9	161.9	161.9	164.1	163.0	166.4	164.1	165.2
60°	122.3	123.4	123.4	124.5	123.4	123.4	122.3	124.5	124.5	125.6	125.6
62.5°	90.3	93.6	91.4	93.6	91.4	93.6	90.3	91.4	91.4	92.5	93.6
65°	58.4	58.4	58.4	59.5	58.4	58.4	58.4	59.5	60.6	59.5	62.8
67.5°	39.7	40.8	43.0	41.8	43.0	40.8	39.7	40.8	40.8	44.1	43.0
70°	32.0	28.7	28.7	32.0	28.7	28.7	32.0	29.7	28.7	30.8	29.7
72.5°	18.7	16.5	18.7	18.7	18.7	16.5	18.7	16.5	17.6	17.6	19.8
75°	9.9	8.8	7.7	11.0	7.7	8.8	9.9	9.9	9.9	9.9	11.0
77.5°	6.6	5.5	7.7	7.7	7.7	5.5	6.6	5.5	6.6	5.5	6.6
80°	3.3	4.4	3.3	5.5	3.3	4.4	3.3	5.5	3.3	4.4	4.4
82.5°	1.1	2.2	2.2	2.2	2.2	2.2	1.1	1.1	2.2	2.2	1.1
85°	0.0	2.2	1.1	1.1	1.1	2.2	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: P245015

CATALOG NUMBER: LD8B50D010 ER8B50927 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	2255.9	2255.9	2255.9	2255.9	2255.9	2255.9	2255.9	2255.9	2255.9	2255.9	2255.9
2.5°	2279.1	2275.8	2276.9	2270.3	2270.3	2268.0	2269.2	2263.6	2261.5	2259.2	2262.6
5°	2312.1	2306.6	2302.2	2292.3	2286.8	2280.2	2276.9	2268.0	2260.3	2253.7	2252.6
7.5°	2338.5	2326.4	2318.7	2305.5	2295.6	2287.9	2276.9	2264.7	2254.9	2246.0	2239.4
10°	2349.6	2337.5	2325.4	2308.8	2297.8	2283.5	2272.4	2257.0	2243.8	2231.7	2224.0
12.5°	2350.7	2335.2	2324.2	2305.5	2291.2	2275.8	2263.6	2246.0	2230.6	2218.5	2206.4
15°	2340.8	2326.4	2313.2	2293.4	2279.1	2264.7	2250.5	2231.7	2217.4	2203.1	2194.3
17.5°	2318.7	2305.5	2290.1	2271.4	2258.2	2244.9	2229.5	2214.1	2197.5	2182.1	2171.1
20°	2290.1	2275.8	2262.6	2243.8	2232.8	2218.5	2204.2	2187.7	2174.4	2159.0	2146.9
22.5°	2247.1	2233.9	2221.8	2210.8	2193.1	2182.1	2172.2	2153.5	2140.3	2125.9	2112.8
25°	2185.4	2172.2	2162.3	2149.1	2141.4	2129.3	2119.3	2102.8	2090.7	2077.5	2066.5
27.5°	2084.1	2076.4	2070.9	2063.2	2056.6	2051.0	2045.6	2032.3	2023.5	2011.4	2000.4
30°	1932.1	1931.0	1927.7	1924.4	1928.8	1928.8	1928.8	1926.6	1918.9	1910.0	1902.3
32.5°	1737.1	1739.3	1743.7	1747.0	1755.8	1765.8	1774.6	1779.0	1779.0	1773.5	1770.2
35°	1504.7	1508.0	1514.6	1523.4	1534.4	1546.5	1566.4	1570.8	1574.1	1574.1	1569.7
37.5°	1263.4	1262.4	1269.0	1276.7	1283.3	1292.1	1306.4	1309.7	1315.2	1313.0	1308.6
40°	1028.8	1023.3	1021.1	1023.3	1031.0	1027.7	1031.0	1028.8	1028.8	1021.1	1021.1
42.5°	811.8	805.2	800.8	797.5	797.5	789.8	784.3	778.8	775.5	770.0	768.9
45°	625.7	617.9	612.5	610.2	607.0	597.0	590.4	583.8	576.1	573.9	575.0
47.5°	485.8	478.1	475.8	470.4	464.8	459.3	454.9	447.2	446.1	441.7	446.1
50°	374.5	372.3	369.0	366.8	363.5	359.1	354.7	350.3	348.1	348.1	349.2
52.5°	290.8	291.9	288.6	285.3	283.1	283.1	277.6	276.5	276.5	272.1	276.5
55°	222.5	221.4	222.5	220.3	220.3	217.0	217.0	213.7	213.7	210.4	212.6
57.5°	163.0	165.2	163.0	164.1	166.4	163.0	161.9	158.6	160.8	158.6	159.7
60°	126.7	126.7	126.7	125.6	125.6	124.5	124.5	123.4	123.4	121.1	123.4
62.5°	93.6	94.7	94.7	94.7	95.8	94.7	93.6	94.7	93.6	93.6	94.7
65°	61.7	62.8	62.8	61.7	63.9	61.7	62.8	63.9	65.0	63.9	65.0
67.5°	41.8	41.8	43.0	44.1	43.0	44.1	45.2	44.1	45.2	47.4	45.2
70°	30.8	32.0	32.0	30.8	29.7	30.8	29.7	33.1	33.1	33.1	35.2
72.5°	19.8	19.8	18.7	18.7	18.7	18.7	18.7	22.0	19.8	18.7	20.9
75°	11.0	12.1	12.1	8.8	9.9	12.1	8.8	9.9	13.2	11.0	13.2
77.5°	6.6	6.6	6.6	6.6	6.6	6.6	8.8	7.7	7.7	7.7	8.8
80°	5.5	4.4	4.4	3.3	4.4	4.4	4.4	6.6	5.5	5.5	6.6
82.5°	2.2	2.2	1.1	0.0	2.2	2.2	2.2	2.2	2.2	2.2	4.4
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	2.2	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: P245015

CATALOG NUMBER: LD8B50D010 ER8B50927 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	2255.9	2255.9	2255.9	2255.9	2255.9	2255.9	2255.9	2255.9	2255.9	2255.9	2255.9
2.5°	2253.7	2253.7	2252.6	2250.5	2246.0	2246.0	2244.9	2241.6	2239.4	2238.3	2238.3
5°	2242.7	2238.3	2233.9	2221.8	2221.8	2219.6	2213.0	2208.6	2206.4	2200.9	2198.7
7.5°	2232.8	2219.6	2211.9	2204.2	2194.3	2189.8	2182.1	2178.8	2171.1	2165.6	2162.3
10°	2208.6	2199.8	2189.8	2177.7	2170.0	2161.2	2152.4	2145.8	2135.9	2130.3	2125.9
12.5°	2192.1	2178.8	2170.0	2156.8	2143.6	2135.9	2123.8	2116.1	2106.1	2095.1	2088.5
15°	2176.6	2162.3	2150.2	2135.9	2121.6	2112.8	2098.4	2089.6	2075.3	2064.3	2056.6
17.5°	2153.5	2141.4	2128.2	2110.5	2097.3	2086.3	2070.9	2059.9	2046.6	2032.3	2024.6
20°	2129.3	2114.9	2101.7	2084.1	2070.9	2057.7	2042.3	2030.1	2014.7	2001.5	1992.7
22.5°	2097.3	2080.8	2069.8	2052.1	2036.7	2022.4	2008.1	1993.8	1979.5	1968.4	1958.5
25°	2051.0	2033.4	2021.3	2007.0	1992.7	1981.7	1964.0	1955.2	1940.9	1931.0	1921.1
27.5°	1984.9	1971.7	1960.7	1946.4	1934.3	1925.5	1912.3	1903.5	1891.3	1882.5	1874.8
30°	1888.1	1877.0	1867.1	1852.8	1844.0	1836.3	1824.1	1816.4	1807.6	1797.7	1795.5
32.5°	1758.1	1749.2	1739.3	1729.4	1722.8	1718.4	1708.5	1704.1	1695.3	1689.7	1684.2
35°	1562.0	1554.3	1548.8	1544.4	1542.2	1543.2	1541.1	1545.5	1547.6	1546.5	1547.6
37.5°	1305.3	1300.9	1303.1	1306.4	1317.4	1331.8	1345.0	1364.8	1378.0	1391.3	1403.4
40°	1018.9	1022.2	1031.0	1050.8	1079.5	1111.5	1141.2	1178.7	1216.1	1242.5	1266.8
42.5°	768.9	778.8	800.8	829.5	872.4	919.8	966.1	1021.1	1066.3	1110.3	1141.2
45°	578.3	591.5	620.2	659.8	707.2	762.3	820.7	882.3	936.3	981.5	1015.6
47.5°	450.5	462.6	491.3	533.2	591.5	648.8	709.4	773.3	829.5	873.5	903.3
50°	355.8	371.2	396.5	440.6	499.0	559.6	622.4	685.1	738.0	775.5	801.9
52.5°	279.8	294.1	318.3	364.6	424.1	484.7	543.0	604.7	651.0	687.4	705.0
55°	217.0	230.2	255.5	294.1	350.3	409.8	468.1	521.0	564.0	590.4	607.0
57.5°	165.2	175.1	192.8	231.3	282.0	337.1	386.7	439.5	472.6	491.3	502.3
60°	125.6	133.3	152.0	181.8	228.0	275.4	317.2	356.9	383.4	398.8	409.8
62.5°	94.7	103.6	116.8	142.1	177.3	215.9	251.1	280.9	302.9	312.8	320.6
65°	65.0	71.6	81.5	101.3	131.1	158.6	186.2	208.2	222.5	233.5	237.9
67.5°	48.5	52.9	58.4	73.8	94.7	116.8	135.5	150.9	166.4	170.8	178.5
70°	36.4	39.7	45.2	56.2	68.3	83.7	99.2	108.0	119.0	126.7	128.9
72.5°	23.1	24.2	29.7	36.4	46.2	56.2	66.1	73.8	80.4	84.8	87.0
75°	13.2	19.8	19.8	26.4	33.1	37.5	44.1	49.6	52.9	56.2	56.2
77.5°	8.8	12.1	13.2	16.5	19.8	25.3	30.8	34.1	37.5	38.5	38.5
80°	7.7	8.8	8.8	12.1	14.3	18.7	22.0	23.1	25.3	26.4	28.7
82.5°	3.3	4.4	5.5	8.8	9.9	9.9	13.2	14.3	16.5	17.6	17.6
85°	1.1	2.2	2.2	3.3	5.5	6.6	7.7	8.8	9.9	9.9	11.0
87.5°	1.1	1.1	0.0	1.1	2.2	2.2	4.4	4.4	4.4	6.6	6.6
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: P245015

CATALOG NUMBER: LD8B50D010 ER8B50927 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	2255.9	2255.9	2255.9	2255.9	2255.9	2255.9	2255.9
2.5°	2236.1	2237.2	2232.8	2231.7	2229.5	2230.6	2232.8
5°	2195.4	2196.5	2192.1	2187.7	2187.7	2186.5	2187.7
7.5°	2156.8	2157.9	2151.3	2149.1	2144.7	2145.8	2145.8
10°	2118.2	2118.2	2108.4	2107.2	2103.9	2102.8	2102.8
12.5°	2080.8	2077.5	2069.8	2065.4	2067.6	2061.0	2061.0
15°	2047.7	2042.3	2032.3	2029.0	2023.5	2021.3	2021.3
17.5°	2013.6	2009.2	2000.4	1993.8	1987.2	1986.1	1987.2
20°	1980.5	1976.1	1965.1	1960.7	1955.2	1955.2	1953.0
22.5°	1947.5	1943.1	1933.2	1929.9	1922.2	1922.2	1923.3
25°	1913.4	1910.0	1899.0	1896.8	1895.8	1891.3	1893.5
27.5°	1867.1	1864.9	1856.1	1852.8	1848.4	1847.3	1849.5
30°	1782.3	1779.0	1772.4	1769.1	1761.4	1762.5	1764.6
32.5°	1676.5	1672.1	1663.3	1660.0	1653.4	1651.2	1652.3
35°	1544.4	1541.1	1533.4	1533.4	1526.7	1524.5	1526.7
37.5°	1410.0	1413.2	1410.0	1413.2	1410.0	1408.9	1410.0
40°	1283.3	1295.4	1297.6	1309.7	1305.3	1311.9	1310.8
42.5°	1162.1	1181.9	1189.7	1199.6	1197.4	1201.8	1205.1
45°	1039.8	1056.4	1064.1	1070.7	1071.8	1074.0	1075.1
47.5°	924.2	937.4	938.5	946.2	945.1	945.1	948.4
50°	816.3	825.1	827.2	832.8	828.4	826.1	827.2
52.5°	716.0	724.8	722.6	724.8	719.3	717.1	718.2
55°	613.5	617.9	617.9	617.9	611.4	611.4	611.4
57.5°	508.9	510.0	507.8	508.9	507.8	501.2	500.1
60°	413.1	413.1	412.0	413.1	409.8	406.5	406.5
62.5°	322.7	325.0	329.4	325.0	322.7	325.0	321.6
65°	241.3	245.7	244.5	246.7	245.7	245.7	243.4
67.5°	181.8	182.9	183.9	185.1	185.1	185.1	185.1
70°	133.3	136.6	135.5	135.5	135.5	135.5	142.1
72.5°	89.2	93.6	92.5	94.7	94.7	96.9	94.7
75°	60.6	65.0	62.8	66.1	65.0	62.8	68.3
77.5°	40.8	43.0	44.1	45.2	44.1	43.0	44.1
80°	28.7	30.8	29.7	30.8	30.8	30.8	32.0
82.5°	17.6	20.9	19.8	20.9	19.8	20.9	20.9
85°	12.1	13.2	11.0	13.2	12.1	12.1	14.3
87.5°	7.7	6.6	6.6	7.7	6.6	7.7	6.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)