

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: P245891

Luminaire Tested: **LD8B50D010 ER8B50827 8LBSW0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245891
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 ER8B50827 8LBSW0B
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 2700 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3946.0 lumens
Efficiency: N/A
Efficacy: 74.5 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

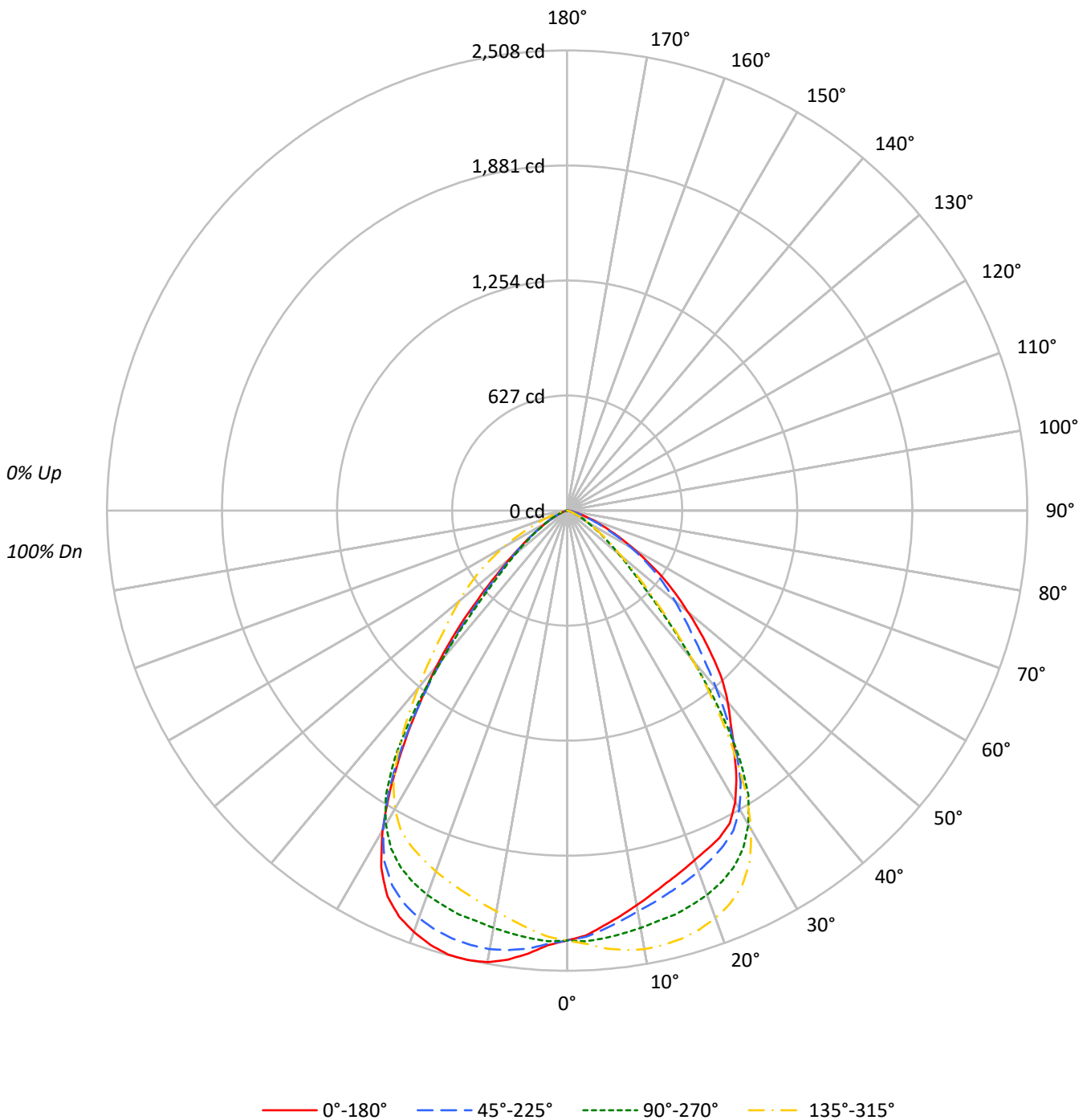
Input Watts (W): 53
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	72237	72237	72237	72237
5°	70318	72408	74993	72408
10°	68373	72312	78258	72312
15°	67009	72742	79970	72742
20°	66553	73158	80178	73158
25°	66902	73012	78888	73012
30°	65246	70337	71602	70337
35°	59681	61360	58217	61360
40°	54794	42681	44573	42681
45°	48685	26039	30130	26039
50°	41209	17395	19314	17395
55°	34133	11871	12543	11871
60°	26032	7900	7968	7900
65°	18446	4925	4509	4925
70°	13308	3300	2993	3300
75°	8447	1632	1358	1632
80°	5896	1225	1012	1225
85°	5272	0	389	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	223.0	5.7
10°-20°	645.7	16.4
20°-30°	977.7	24.8
30°-40°	979.9	24.8
40°-50°	615.3	15.6
50°-60°	327.9	8.3
60°-70°	134.8	3.4
70°-80°	35.6	0.9
80°-90°	6.0	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°	1846.4	46.8
0°-40°	2826.3	71.6
0°-60°	3769.5	95.5
0°-90°	3946.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3946.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2343	2343	2343	2343	2343	
5°	2272	2339	2423	2339	2272	214
15°	2099	2279	2505	2279	2099	594
25°	1966	2146	2319	2146	1966	902
35°	1585	1630	1546	1630	1585	993
45°	1116	597	691	597	1116	859
55°	635	221	233	221	635	566
65°	253	68	62	68	253	262
75°	71	14	11	14	71	80
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°	2342.6	2342.6	2342.6	2342.6	2342.6	2342.6	2342.6	2342.6	2342.6	2342.6	2342.6
2.5°	2318.6	2316.3	2315.2	2317.5	2318.6	2323.2	2322.0	2324.3	2324.3	2325.5	2327.7
5°	2271.7	2270.5	2271.7	2271.7	2276.3	2280.8	2279.7	2283.2	2285.4	2291.2	2293.4
7.5°	2228.3	2228.3	2227.1	2231.6	2233.9	2240.8	2239.6	2245.4	2248.8	2254.5	2262.5
10°	2183.6	2183.6	2184.7	2188.2	2189.4	2199.6	2199.6	2207.6	2212.2	2217.9	2228.3
12.5°	2140.2	2140.2	2147.0	2144.7	2149.3	2157.3	2160.7	2168.7	2175.6	2187.1	2197.4
15°	2099.0	2099.0	2101.3	2107.0	2110.4	2120.7	2126.4	2135.6	2143.6	2155.0	2169.9
17.5°	2063.5	2062.4	2063.5	2070.4	2077.3	2086.4	2091.0	2102.4	2110.4	2125.3	2139.0
20°	2028.1	2030.4	2030.4	2036.1	2040.6	2052.1	2056.6	2069.3	2078.4	2092.1	2108.1
22.5°	1997.2	1996.0	1996.0	2004.0	2007.5	2017.7	2022.3	2033.8	2044.1	2055.5	2070.4
25°	1966.3	1964.0	1968.6	1969.7	1972.0	1983.4	1986.9	1994.9	2005.2	2015.5	2030.4
27.5°	1920.5	1918.3	1919.4	1924.0	1927.4	1936.5	1938.8	1946.8	1954.8	1964.0	1976.6
30°	1832.4	1830.2	1829.0	1837.0	1840.5	1847.3	1850.7	1864.5	1866.8	1877.1	1886.2
32.5°	1715.8	1714.6	1716.9	1723.8	1727.2	1736.4	1741.0	1749.0	1754.7	1760.4	1769.5
35°	1585.4	1583.1	1585.4	1592.3	1592.3	1600.3	1603.7	1607.1	1606.0	1607.1	1604.8
37.5°	1464.2	1463.0	1464.2	1467.5	1464.2	1467.5	1464.2	1457.3	1444.7	1431.0	1417.2
40°	1361.2	1362.3	1355.5	1360.1	1347.4	1345.2	1332.6	1315.4	1290.3	1262.8	1223.9
42.5°	1251.4	1248.0	1243.4	1245.7	1235.4	1227.3	1206.8	1185.1	1153.0	1107.3	1060.3
45°	1116.4	1115.3	1113.0	1111.8	1105.0	1097.0	1079.8	1054.6	1019.2	972.3	916.2
47.5°	984.9	981.4	981.4	982.6	974.6	973.4	959.7	938.0	907.1	861.3	803.0
50°	859.0	857.9	860.2	864.8	859.0	856.8	847.6	832.7	805.3	766.4	711.5
52.5°	745.8	744.6	747.0	752.7	750.3	752.7	743.5	732.1	713.8	676.0	628.0
55°	634.9	634.9	634.9	641.7	641.7	641.7	637.1	630.3	613.1	585.7	541.1
57.5°	519.3	520.4	527.3	528.4	527.3	529.6	528.4	521.6	510.2	490.7	456.4
60°	422.1	422.1	425.5	429.0	427.8	429.0	429.0	425.5	414.1	398.1	370.6
62.5°	334.0	337.4	335.1	337.4	342.0	337.4	335.1	332.9	324.9	314.6	291.7
65°	252.8	255.1	255.1	256.2	253.9	255.1	250.5	247.1	242.5	231.1	216.2
67.5°	192.2	192.2	192.2	192.2	191.0	189.9	188.8	185.3	177.3	172.7	156.7
70°	147.6	140.7	140.7	140.7	140.7	141.9	138.4	133.9	131.5	123.5	112.1
72.5°	98.4	100.7	98.4	98.4	96.1	97.2	92.7	90.4	88.1	83.5	76.6
75°	70.9	65.2	67.5	68.6	65.2	67.5	62.9	58.3	58.3	54.9	51.5
77.5°	45.8	44.6	45.8	46.9	45.8	44.6	42.3	40.0	40.0	38.9	35.5
80°	33.2	32.0	32.0	32.0	30.9	32.0	29.8	29.8	27.4	26.3	24.0
82.5°	21.8	21.8	20.6	21.8	20.6	21.8	18.3	18.3	18.3	17.1	14.9
85°	14.9	12.6	12.6	13.7	11.4	13.7	12.6	11.4	10.3	10.3	9.1
87.5°	6.9	8.0	6.9	8.0	6.9	6.9	8.0	6.9	6.9	4.6	4.6
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°	2342.6	2342.6	2342.6	2342.6	2342.6	2342.6	2342.6	2342.6	2342.6	2342.6	2342.6
2.5°	2331.2	2332.3	2332.3	2336.9	2339.2	2340.3	2340.3	2349.5	2346.1	2348.4	2350.6
5°	2298.0	2304.9	2307.2	2307.2	2319.7	2324.3	2328.9	2339.2	2340.3	2347.2	2355.2
7.5°	2266.0	2274.0	2278.6	2288.8	2296.9	2304.9	2318.6	2325.5	2332.3	2341.5	2351.7
10°	2235.1	2244.3	2253.4	2261.4	2274.0	2284.3	2293.4	2309.4	2317.5	2330.0	2343.7
12.5°	2205.4	2217.9	2225.9	2239.6	2253.4	2262.5	2276.3	2291.2	2303.7	2316.3	2332.3
15°	2179.1	2193.9	2203.1	2217.9	2232.8	2245.4	2260.3	2278.6	2287.7	2302.6	2317.5
17.5°	2150.4	2166.5	2177.9	2191.6	2209.9	2223.6	2236.3	2254.5	2266.0	2282.0	2299.2
20°	2120.7	2136.7	2150.4	2164.2	2182.5	2196.2	2211.1	2229.4	2242.0	2258.0	2271.7
22.5°	2085.3	2100.1	2115.0	2131.0	2149.3	2160.7	2177.9	2193.9	2207.6	2222.5	2236.3
25°	2039.5	2057.8	2069.3	2084.1	2099.0	2111.5	2129.9	2145.9	2157.3	2171.0	2183.6
27.5°	1985.7	1999.5	2008.6	2021.2	2036.1	2047.5	2061.2	2077.3	2088.7	2101.3	2110.4
30°	1894.2	1906.8	1914.8	1924.0	1938.8	1949.2	1960.6	1975.4	1983.4	1992.6	2000.6
32.5°	1774.1	1784.4	1789.0	1795.9	1806.2	1816.4	1825.6	1838.2	1841.6	1847.3	1847.3
35°	1600.3	1602.5	1601.4	1603.7	1608.3	1614.0	1622.0	1630.0	1634.5	1634.5	1631.2
37.5°	1396.6	1382.9	1368.1	1356.6	1353.2	1350.9	1355.5	1358.9	1363.5	1365.8	1360.1
40°	1185.1	1154.2	1121.0	1091.2	1070.6	1061.5	1058.1	1060.3	1060.3	1068.3	1068.3
42.5°	1003.2	955.1	906.0	861.3	831.6	808.7	798.4	798.4	799.5	805.3	808.7
45°	852.2	791.5	734.3	685.2	644.0	614.2	600.5	597.1	596.0	598.2	606.2
47.5°	736.6	673.7	614.2	553.6	510.2	480.4	467.9	463.2	458.7	463.2	464.4
50°	646.3	581.1	518.2	457.5	411.8	385.5	369.5	362.6	361.4	361.4	363.8
52.5°	563.9	503.3	440.4	378.6	330.6	305.4	290.5	287.1	282.5	287.1	287.1
55°	486.1	425.5	363.8	305.4	265.4	239.1	225.3	220.8	218.5	221.9	221.9
57.5°	401.5	350.0	292.9	240.2	200.2	181.9	171.6	165.9	164.7	167.0	164.7
60°	329.4	286.0	236.8	188.8	157.9	138.4	130.4	128.1	125.8	128.1	128.1
62.5°	260.8	224.2	184.1	147.6	121.2	107.5	98.4	98.4	97.2	97.2	98.4
65°	193.3	164.7	136.1	105.2	84.7	74.3	67.5	67.5	66.3	67.5	66.3
67.5°	140.7	121.2	98.4	76.6	60.6	54.9	50.3	46.9	49.2	46.9	45.8
70°	103.0	86.9	70.9	58.3	46.9	41.2	37.8	36.6	34.3	34.3	34.3
72.5°	68.6	58.3	48.0	37.8	30.9	25.1	24.0	21.8	19.4	20.6	22.9
75°	45.8	38.9	34.3	27.4	20.6	20.6	13.7	13.7	11.4	13.7	10.3
77.5°	32.0	26.3	20.6	17.1	13.7	12.6	9.1	9.1	8.0	8.0	8.0
80°	22.9	19.4	14.9	12.6	9.1	9.1	8.0	6.9	5.7	5.7	6.9
82.5°	13.7	10.3	10.3	9.1	5.7	4.6	3.4	4.6	2.3	2.3	2.3
85°	8.0	6.9	5.7	3.4	2.3	2.3	1.1	0.0	1.1	1.1	0.0
87.5°	4.6	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°	2342.6	2342.6	2342.6	2342.6	2342.6	2342.6	2342.6	2342.6	2342.6	2342.6	2342.6
2.5°	2356.4	2355.2	2357.5	2357.5	2364.4	2363.2	2366.6	2366.6	2364.4	2365.5	2370.1
5°	2364.4	2367.8	2374.6	2380.4	2390.6	2395.3	2400.9	2406.7	2407.8	2411.3	2414.7
7.5°	2364.4	2375.8	2383.8	2394.1	2407.8	2415.8	2428.4	2438.7	2443.3	2449.0	2455.8
10°	2359.8	2371.2	2386.1	2397.5	2414.7	2427.3	2439.8	2455.8	2462.7	2471.9	2481.0
12.5°	2350.6	2363.2	2379.2	2394.1	2413.5	2425.0	2441.0	2455.8	2466.2	2478.7	2489.0
15°	2336.9	2351.7	2366.6	2381.5	2402.1	2415.8	2430.7	2447.8	2458.2	2471.9	2481.0
17.5°	2315.2	2331.2	2344.9	2358.6	2378.1	2394.1	2407.8	2423.8	2434.1	2445.6	2458.2
20°	2288.8	2303.7	2318.6	2330.0	2349.5	2363.2	2378.1	2392.9	2400.9	2403.3	2422.7
22.5°	2255.7	2266.0	2277.4	2295.7	2307.2	2319.7	2333.5	2347.2	2355.2	2367.8	2374.6
25°	2200.8	2211.1	2223.6	2231.6	2245.4	2255.7	2269.4	2284.3	2288.8	2298.0	2304.9
27.5°	2124.2	2129.9	2135.6	2142.4	2150.4	2156.2	2164.2	2171.0	2175.6	2180.2	2184.7
30°	2002.9	2002.9	2002.9	1998.3	2001.7	2005.2	2006.3	2005.2	2005.2	2004.0	2004.0
32.5°	1842.7	1833.6	1823.3	1814.2	1810.7	1806.2	1803.9	1800.4	1794.7	1791.3	1792.4
35°	1626.5	1606.0	1593.4	1582.0	1572.8	1565.9	1562.5	1559.1	1557.9	1553.4	1548.8
37.5°	1356.6	1341.7	1332.6	1325.7	1317.7	1310.9	1312.0	1313.2	1316.6	1314.3	1315.4
40°	1070.6	1067.2	1070.6	1062.6	1060.3	1062.6	1068.3	1076.4	1081.0	1085.5	1093.5
42.5°	814.4	820.1	828.2	828.2	831.6	836.2	843.0	855.6	862.4	870.5	879.6
45°	613.1	620.0	630.3	633.7	636.0	641.7	649.7	660.0	664.6	671.4	679.4
47.5°	472.4	477.0	482.7	488.4	494.1	496.4	504.4	504.4	510.2	514.7	517.0
50°	368.3	372.9	377.5	380.9	383.2	386.6	388.9	392.3	393.5	395.8	396.9
52.5°	288.2	294.0	294.0	296.2	299.7	303.1	302.0	303.1	304.2	304.2	307.7
55°	225.3	225.3	228.8	228.8	231.1	229.9	231.1	231.1	231.1	231.1	232.2
57.5°	168.1	169.3	172.7	170.4	169.3	171.6	169.3	171.6	170.4	172.7	169.3
60°	129.2	129.2	130.4	130.4	131.5	131.5	131.5	130.4	130.4	129.2	129.2
62.5°	97.2	98.4	99.5	98.4	98.4	98.4	97.2	97.2	96.1	94.9	94.9
65°	65.2	64.1	66.3	64.1	65.2	65.2	64.1	65.2	61.8	62.9	61.8
67.5°	46.9	45.8	44.6	45.8	44.6	43.5	43.5	44.6	45.8	42.3	42.3
70°	30.9	32.0	30.9	32.0	33.2	33.2	32.0	30.9	32.0	29.8	30.9
72.5°	19.4	19.4	19.4	19.4	19.4	20.6	20.6	20.6	18.3	18.3	17.1
75°	9.1	12.6	10.3	9.1	12.6	12.6	11.4	11.4	10.3	10.3	10.3
77.5°	9.1	6.9	6.9	6.9	6.9	6.9	6.9	6.9	5.7	6.9	5.7
80°	4.6	4.6	4.6	3.4	4.6	4.6	5.7	4.6	4.6	3.4	5.7
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: P245891

CATALOG NUMBER: LD8B50D010 ER8B50827 8LBSW0B

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	2342.6	2342.6	2342.6	2342.6	2342.6	2342.6	2342.6	2342.6	2342.6	2342.6	2342.6
2.5°	2368.9	2367.8	2368.9	2370.1	2368.9	2367.8	2368.9	2370.1	2365.5	2364.4	2366.6
5°	2419.3	2419.3	2421.5	2422.7	2421.5	2419.3	2419.3	2414.7	2411.3	2407.8	2406.7
7.5°	2462.7	2465.0	2467.3	2468.4	2467.3	2465.0	2462.7	2455.8	2449.0	2443.3	2438.7
10°	2489.0	2492.5	2497.0	2499.3	2497.0	2492.5	2489.0	2481.0	2471.9	2462.7	2455.8
12.5°	2500.5	2503.9	2509.6	2508.5	2509.6	2503.9	2500.5	2489.0	2478.7	2466.2	2455.8
15°	2492.5	2497.0	2502.7	2505.0	2502.7	2497.0	2492.5	2481.0	2471.9	2458.2	2447.8
17.5°	2467.3	2474.2	2477.6	2481.0	2477.6	2474.2	2467.3	2458.2	2445.6	2434.1	2423.8
20°	2433.0	2437.6	2442.1	2443.3	2442.1	2437.6	2433.0	2422.7	2403.3	2400.9	2392.9
22.5°	2383.8	2387.2	2397.5	2394.1	2397.5	2387.2	2383.8	2374.6	2367.8	2355.2	2347.2
25°	2312.9	2316.3	2317.5	2318.6	2317.5	2316.3	2312.9	2304.9	2298.0	2288.8	2284.3
27.5°	2190.5	2190.5	2192.8	2193.9	2192.8	2190.5	2190.5	2184.7	2180.2	2175.6	2171.0
30°	2005.2	2005.2	2005.2	2010.9	2005.2	2005.2	2005.2	2004.0	2004.0	2005.2	2005.2
32.5°	1791.3	1789.0	1786.7	1789.0	1786.7	1789.0	1791.3	1792.4	1791.3	1794.7	1800.4
35°	1548.8	1547.6	1551.1	1546.5	1551.1	1547.6	1548.8	1548.8	1553.4	1557.9	1559.1
37.5°	1316.6	1314.3	1318.9	1314.3	1318.9	1314.3	1316.6	1315.4	1314.3	1316.6	1313.2
40°	1095.8	1098.1	1098.1	1107.3	1098.1	1098.1	1095.8	1093.5	1085.5	1081.0	1076.4
42.5°	884.2	891.1	888.8	895.6	888.8	891.1	884.2	879.6	870.5	862.4	855.6
45°	684.0	688.6	688.6	690.9	688.6	688.6	684.0	679.4	671.4	664.6	660.0
47.5°	525.0	525.0	525.0	526.2	525.0	525.0	525.0	517.0	514.7	510.2	504.4
50°	399.2	400.3	401.5	402.6	401.5	400.3	399.2	396.9	395.8	393.5	392.3
52.5°	306.6	307.7	305.4	307.7	305.4	307.7	306.6	307.7	304.2	304.2	303.1
55°	232.2	231.1	232.2	233.3	232.2	231.1	232.2	232.2	231.1	231.1	231.1
57.5°	170.4	168.1	168.1	168.1	168.1	168.1	170.4	169.3	172.7	170.4	171.6
60°	127.0	128.1	128.1	129.2	128.1	128.1	127.0	129.2	129.2	130.4	130.4
62.5°	93.8	97.2	94.9	97.2	94.9	97.2	93.8	94.9	94.9	96.1	97.2
65°	60.6	60.6	60.6	61.8	60.6	60.6	60.6	61.8	62.9	61.8	65.2
67.5°	41.2	42.3	44.6	43.5	44.6	42.3	41.2	42.3	42.3	45.8	44.6
70°	33.2	29.8	29.8	33.2	29.8	29.8	33.2	30.9	29.8	32.0	30.9
72.5°	19.4	17.1	19.4	19.4	19.4	17.1	19.4	17.1	18.3	18.3	20.6
75°	10.3	9.1	8.0	11.4	8.0	9.1	10.3	10.3	10.3	10.3	11.4
77.5°	6.9	5.7	8.0	8.0	8.0	5.7	6.9	5.7	6.9	5.7	6.9
80°	3.4	4.6	3.4	5.7	3.4	4.6	3.4	5.7	3.4	4.6	4.6
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: P245891

CATALOG NUMBER: LD8B50D010 ER8B50827 8LBSW0B

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	2342.6	2342.6	2342.6	2342.6	2342.6	2342.6	2342.6	2342.6	2342.6	2342.6	2342.6
2.5°	2366.6	2363.2	2364.4	2357.5	2357.5	2355.2	2356.4	2350.6	2348.4	2346.1	2349.5
5°	2400.9	2395.3	2390.6	2380.4	2374.6	2367.8	2364.4	2355.2	2347.2	2340.3	2339.2
7.5°	2428.4	2415.8	2407.8	2394.1	2383.8	2375.8	2364.4	2351.7	2341.5	2332.3	2325.5
10°	2439.8	2427.3	2414.7	2397.5	2386.1	2371.2	2359.8	2343.7	2330.0	2317.5	2309.4
12.5°	2441.0	2425.0	2413.5	2394.1	2379.2	2363.2	2350.6	2332.3	2316.3	2303.7	2291.2
15°	2430.7	2415.8	2402.1	2381.5	2366.6	2351.7	2336.9	2317.5	2302.6	2287.7	2278.6
17.5°	2407.8	2394.1	2378.1	2358.6	2344.9	2331.2	2315.2	2299.2	2282.0	2266.0	2254.5
20°	2378.1	2363.2	2349.5	2330.0	2318.6	2303.7	2288.8	2271.7	2258.0	2242.0	2229.4
22.5°	2333.5	2319.7	2307.2	2295.7	2277.4	2266.0	2255.7	2236.3	2222.5	2207.6	2193.9
25°	2269.4	2255.7	2245.4	2231.6	2223.6	2211.1	2200.8	2183.6	2171.0	2157.3	2145.9
27.5°	2164.2	2156.2	2150.4	2142.4	2135.6	2129.9	2124.2	2110.4	2101.3	2088.7	2077.3
30°	2006.3	2005.2	2001.7	1998.3	2002.9	2002.9	2002.9	2000.6	1992.6	1983.4	1975.4
32.5°	1803.9	1806.2	1810.7	1814.2	1823.3	1833.6	1842.7	1847.3	1847.3	1841.6	1838.2
35°	1562.5	1565.9	1572.8	1582.0	1593.4	1606.0	1626.5	1631.2	1634.5	1634.5	1630.0
37.5°	1312.0	1310.9	1317.7	1325.7	1332.6	1341.7	1356.6	1360.1	1365.8	1363.5	1358.9
40°	1068.3	1062.6	1060.3	1062.6	1070.6	1067.2	1070.6	1068.3	1068.3	1060.3	1060.3
42.5°	843.0	836.2	831.6	828.2	828.2	820.1	814.4	808.7	805.3	799.5	798.4
45°	649.7	641.7	636.0	633.7	630.3	620.0	613.1	606.2	598.2	596.0	597.1
47.5°	504.4	496.4	494.1	488.4	482.7	477.0	472.4	464.4	463.2	458.7	463.2
50°	388.9	386.6	383.2	380.9	377.5	372.9	368.3	363.8	361.4	361.4	362.6
52.5°	302.0	303.1	299.7	296.2	294.0	294.0	288.2	287.1	287.1	282.5	287.1
55°	231.1	229.9	231.1	228.8	228.8	225.3	225.3	221.9	221.9	218.5	220.8
57.5°	169.3	171.6	169.3	170.4	172.7	169.3	168.1	164.7	167.0	164.7	165.9
60°	131.5	131.5	131.5	130.4	130.4	129.2	129.2	128.1	128.1	125.8	128.1
62.5°	97.2	98.4	98.4	98.4	99.5	98.4	97.2	98.4	97.2	97.2	98.4
65°	64.1	65.2	65.2	64.1	66.3	64.1	65.2	66.3	67.5	66.3	67.5
67.5°	43.5	43.5	44.6	45.8	44.6	45.8	46.9	45.8	46.9	49.2	46.9
70°	32.0	33.2	33.2	32.0	30.9	32.0	30.9	34.3	34.3	34.3	36.6
72.5°	20.6	20.6	19.4	19.4	19.4	19.4	19.4	22.9	20.6	19.4	21.8
75°	11.4	12.6	12.6	9.1	10.3	12.6	9.1	10.3	13.7	11.4	13.7
77.5°	6.9	6.9	6.9	6.9	6.9	6.9	9.1	8.0	8.0	8.0	9.1
80°	5.7	4.6	4.6	3.4	4.6	4.6	4.6	6.9	5.7	5.7	6.9
82.5°	2.3	2.3	1.1	0.0	2.3	2.3	2.3	2.3	2.3	2.3	4.6
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: P245891

CATALOG NUMBER: LD8B50D010 ER8B50827 8LBSW0B

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	2342.6	2342.6	2342.6	2342.6	2342.6	2342.6	2342.6	2342.6	2342.6	2342.6	2342.6
2.5°	2340.3	2340.3	2339.2	2336.9	2332.3	2332.3	2331.2	2327.7	2325.5	2324.3	2324.3
5°	2328.9	2324.3	2319.7	2307.2	2307.2	2304.9	2298.0	2293.4	2291.2	2285.4	2283.2
7.5°	2318.6	2304.9	2296.9	2288.8	2278.6	2274.0	2266.0	2262.5	2254.5	2248.8	2245.4
10°	2293.4	2284.3	2274.0	2261.4	2253.4	2244.3	2235.1	2228.3	2217.9	2212.2	2207.6
12.5°	2276.3	2262.5	2253.4	2239.6	2225.9	2217.9	2205.4	2197.4	2187.1	2175.6	2168.7
15°	2260.3	2245.4	2232.8	2217.9	2203.1	2193.9	2179.1	2169.9	2155.0	2143.6	2135.6
17.5°	2236.3	2223.6	2209.9	2191.6	2177.9	2166.5	2150.4	2139.0	2125.3	2110.4	2102.4
20°	2211.1	2196.2	2182.5	2164.2	2150.4	2136.7	2120.7	2108.1	2092.1	2078.4	2069.3
22.5°	2177.9	2160.7	2149.3	2131.0	2115.0	2100.1	2085.3	2070.4	2055.5	2044.1	2033.8
25°	2129.9	2111.5	2099.0	2084.1	2069.3	2057.8	2039.5	2030.4	2015.5	2005.2	1994.9
27.5°	2061.2	2047.5	2036.1	2021.2	2008.6	1999.5	1985.7	1976.6	1964.0	1954.8	1946.8
30°	1960.6	1949.2	1938.8	1924.0	1914.8	1906.8	1894.2	1886.2	1877.1	1866.8	1864.5
32.5°	1825.6	1816.4	1806.2	1795.9	1789.0	1784.4	1774.1	1769.5	1760.4	1754.7	1749.0
35°	1622.0	1614.0	1608.3	1603.7	1601.4	1602.5	1600.3	1604.8	1607.1	1606.0	1607.1
37.5°	1355.5	1350.9	1353.2	1356.6	1368.1	1382.9	1396.6	1417.2	1431.0	1444.7	1457.3
40°	1058.1	1061.5	1070.6	1091.2	1121.0	1154.2	1185.1	1223.9	1262.8	1290.3	1315.4
42.5°	798.4	808.7	831.6	861.3	906.0	955.1	1003.2	1060.3	1107.3	1153.0	1185.1
45°	600.5	614.2	644.0	685.2	734.3	791.5	852.2	916.2	972.3	1019.2	1054.6
47.5°	467.9	480.4	510.2	553.6	614.2	673.7	736.6	803.0	861.3	907.1	938.0
50°	369.5	385.5	411.8	457.5	518.2	581.1	646.3	711.5	766.4	805.3	832.7
52.5°	290.5	305.4	330.6	378.6	440.4	503.3	563.9	628.0	676.0	713.8	732.1
55°	225.3	239.1	265.4	305.4	363.8	425.5	486.1	541.1	585.7	613.1	630.3
57.5°	171.6	181.9	200.2	240.2	292.9	350.0	401.5	456.4	490.7	510.2	521.6
60°	130.4	138.4	157.9	188.8	236.8	286.0	329.4	370.6	398.1	414.1	425.5
62.5°	98.4	107.5	121.2	147.6	184.1	224.2	260.8	291.7	314.6	324.9	332.9
65°	67.5	74.3	84.7	105.2	136.1	164.7	193.3	216.2	231.1	242.5	247.1
67.5°	50.3	54.9	60.6	76.6	98.4	121.2	140.7	156.7	172.7	177.3	185.3
70°	37.8	41.2	46.9	58.3	70.9	86.9	103.0	112.1	123.5	131.5	133.9
72.5°	24.0	25.1	30.9	37.8	48.0	58.3	68.6	76.6	83.5	88.1	90.4
75°	13.7	20.6	20.6	27.4	34.3	38.9	45.8	51.5	54.9	58.3	58.3
77.5°	9.1	12.6	13.7	17.1	20.6	26.3	32.0	35.5	38.9	40.0	40.0
80°	8.0	9.1	9.1	12.6	14.9	19.4	22.9	24.0	26.3	27.4	29.8
82.5°	3.4	4.6	5.7	9.1	10.3	10.3	13.7	14.9	17.1	18.3	18.3
85°	1.1	2.3	2.3	3.4	5.7	6.9	8.0	9.1	10.3	10.3	11.4
87.5°	1.1	1.1	0.0	1.1	2.3	2.3	4.6	4.6	4.6	6.9	6.9
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: P245891

CATALOG NUMBER: LD8B50D010 ER8B50827 8LBSW0B

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	2342.6	2342.6	2342.6	2342.6	2342.6	2342.6	2342.6
2.5°	2322.0	2323.2	2318.6	2317.5	2315.2	2316.3	2318.6
5°	2279.7	2280.8	2276.3	2271.7	2271.7	2270.5	2271.7
7.5°	2239.6	2240.8	2233.9	2231.6	2227.1	2228.3	2228.3
10°	2199.6	2199.6	2189.4	2188.2	2184.7	2183.6	2183.6
12.5°	2160.7	2157.3	2149.3	2144.7	2147.0	2140.2	2140.2
15°	2126.4	2120.7	2110.4	2107.0	2101.3	2099.0	2099.0
17.5°	2091.0	2086.4	2077.3	2070.4	2063.5	2062.4	2063.5
20°	2056.6	2052.1	2040.6	2036.1	2030.4	2030.4	2028.1
22.5°	2022.3	2017.7	2007.5	2004.0	1996.0	1996.0	1997.2
25°	1986.9	1983.4	1972.0	1969.7	1968.6	1964.0	1966.3
27.5°	1938.8	1936.5	1927.4	1924.0	1919.4	1918.3	1920.5
30°	1850.7	1847.3	1840.5	1837.0	1829.0	1830.2	1832.4
32.5°	1741.0	1736.4	1727.2	1723.8	1716.9	1714.6	1715.8
35°	1603.7	1600.3	1592.3	1592.3	1585.4	1583.1	1585.4
37.5°	1464.2	1467.5	1464.2	1467.5	1464.2	1463.0	1464.2
40°	1332.6	1345.2	1347.4	1360.1	1355.5	1362.3	1361.2
42.5°	1206.8	1227.3	1235.4	1245.7	1243.4	1248.0	1251.4
45°	1079.8	1097.0	1105.0	1111.8	1113.0	1115.3	1116.4
47.5°	959.7	973.4	974.6	982.6	981.4	981.4	984.9
50°	847.6	856.8	859.0	864.8	860.2	857.9	859.0
52.5°	743.5	752.7	750.3	752.7	747.0	744.6	745.8
55°	637.1	641.7	641.7	641.7	634.9	634.9	634.9
57.5°	528.4	529.6	527.3	528.4	527.3	520.4	519.3
60°	429.0	429.0	427.8	429.0	425.5	422.1	422.1
62.5°	335.1	337.4	342.0	337.4	335.1	337.4	334.0
65°	250.5	255.1	253.9	256.2	255.1	255.1	252.8
67.5°	188.8	189.9	191.0	192.2	192.2	192.2	192.2
70°	138.4	141.9	140.7	140.7	140.7	140.7	147.6
72.5°	92.7	97.2	96.1	98.4	98.4	100.7	98.4
75°	62.9	67.5	65.2	68.6	67.5	65.2	70.9
77.5°	42.3	44.6	45.8	46.9	45.8	44.6	45.8
80°	29.8	32.0	30.9	32.0	32.0	32.0	33.2
82.5°	18.3	21.8	20.6	21.8	20.6	21.8	21.8
85°	12.6	13.7	11.4	13.7	12.6	12.6	14.9
87.5°	8.0	6.9	6.9	8.0	6.9	8.0	6.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)