

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: P245879

Luminaire Tested: **LD8B50D010 ER8B50927 8LBSW0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245879
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 8LBSW0GPH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
97 CRI 2700 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3991.5 lumens
Efficiency: N/A
Efficacy: 75.3 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

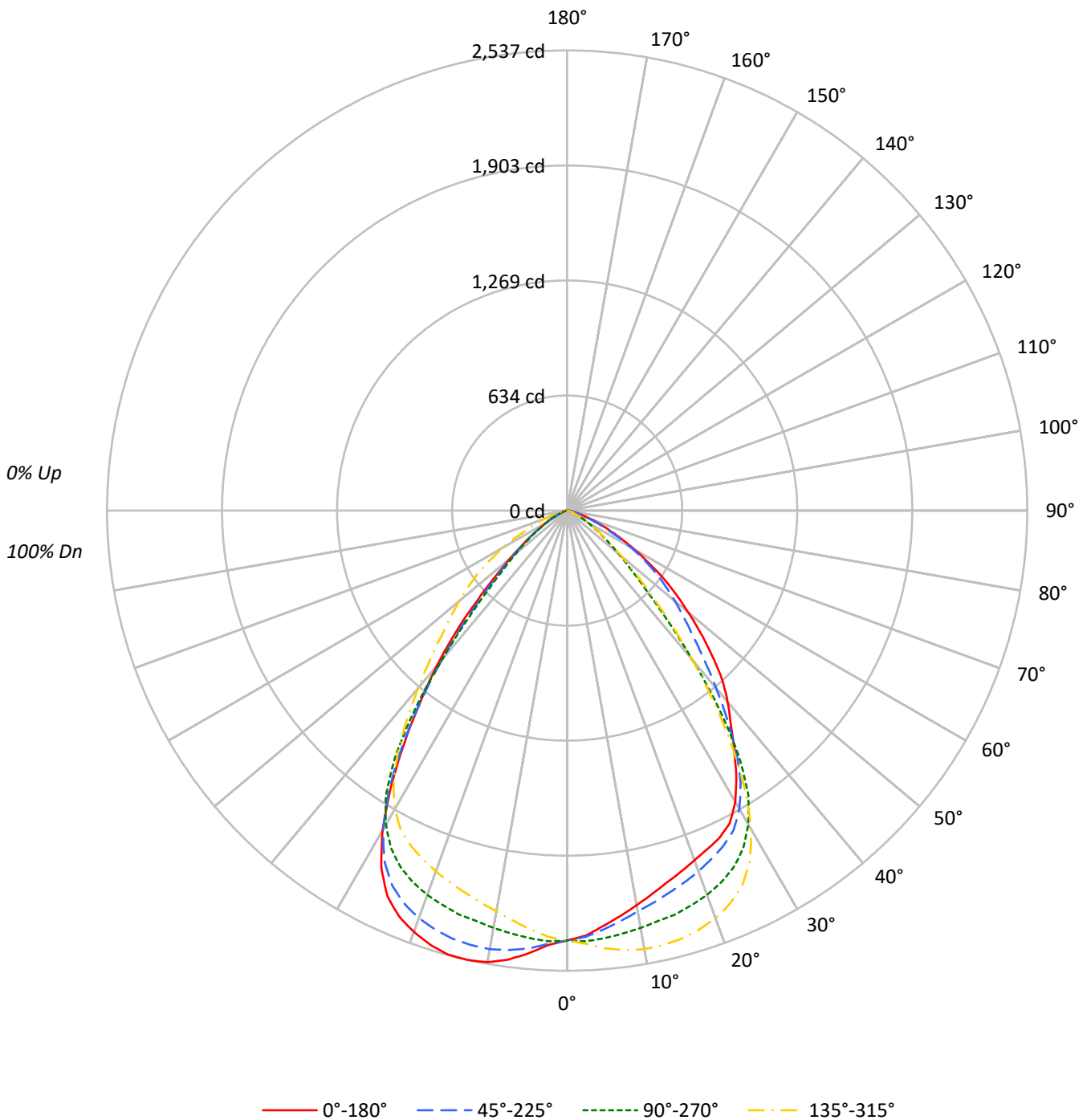
Input Watts (W): 53
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	225.5	5.7
10°-20°	653.1	16.4
20°-30°	989.0	24.8
30°-40°	991.2	24.8
40°-50°	622.4	15.6
50°-60°	331.7	8.3
60°-70°	136.4	3.4
70°-80°	36.0	0.9
80°-90°	6.1	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°	1867.7	46.8
0°-40°	2858.9	71.6
0°-60°	3813.0	95.5
0°-90°	3991.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3991.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2370	2370	2370	2370	2370	
5°	2298	2366	2451	2366	2298	217
15°	2123	2305	2534	2305	2123	600
25°	1989	2171	2345	2171	1989	912
35°	1604	1649	1564	1649	1604	1005
45°	1129	604	699	604	1129	869
55°	642	223	236	223	642	573
65°	256	68	62	68	256	265
75°	72	14	12	14	72	81
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°	2369.6	2369.6	2369.6	2369.6	2369.6	2369.6	2369.6	2369.6	2369.6	2369.6	2369.6
2.5°	2345.3	2343.0	2341.9	2344.2	2345.3	2350.0	2348.8	2351.1	2351.1	2352.3	2354.6
5°	2297.9	2296.7	2297.9	2297.9	2302.5	2307.2	2306.0	2309.5	2311.8	2317.6	2319.9
7.5°	2253.9	2253.9	2252.7	2257.4	2259.7	2266.6	2265.5	2271.3	2274.8	2280.5	2288.6
10°	2208.8	2208.8	2210.0	2213.4	2214.6	2225.0	2225.0	2233.1	2237.7	2243.5	2253.9
12.5°	2164.8	2164.8	2171.8	2169.5	2174.1	2182.2	2185.6	2193.8	2200.7	2212.3	2222.7
15°	2123.2	2123.2	2125.5	2131.3	2134.7	2145.2	2150.9	2160.2	2168.3	2179.9	2195.0
17.5°	2087.3	2086.2	2087.3	2094.3	2101.2	2110.5	2115.1	2126.7	2134.7	2149.8	2163.7
20°	2051.4	2053.8	2053.8	2059.5	2064.2	2075.7	2080.4	2093.1	2102.4	2116.2	2132.4
22.5°	2020.2	2019.0	2019.0	2027.1	2030.6	2041.0	2045.6	2057.2	2067.6	2079.2	2094.3
25°	1989.0	1986.6	1991.2	1992.5	1994.7	2006.3	2009.8	2017.9	2028.3	2038.7	2053.8
27.5°	1942.6	1940.4	1941.5	1946.1	1949.6	1958.8	1961.2	1969.3	1977.4	1986.6	1999.4
30°	1853.6	1851.3	1850.2	1858.3	1861.8	1868.6	1872.1	1886.0	1888.3	1898.7	1908.0
32.5°	1735.5	1734.4	1736.8	1743.6	1747.1	1756.5	1761.1	1769.2	1774.9	1780.6	1790.0
35°	1603.7	1601.3	1603.7	1610.7	1610.7	1618.8	1622.2	1625.6	1624.5	1625.6	1623.4
37.5°	1481.1	1479.8	1481.1	1484.4	1481.1	1484.4	1481.1	1474.1	1461.4	1447.4	1433.6
40°	1376.9	1378.0	1371.1	1375.8	1362.9	1360.7	1348.0	1330.5	1305.1	1277.4	1238.1
42.5°	1265.9	1262.4	1257.8	1260.0	1249.6	1241.4	1220.6	1198.7	1166.3	1120.0	1072.6
45°	1129.3	1128.1	1125.8	1124.7	1117.7	1109.6	1092.3	1066.8	1031.0	983.5	926.8
47.5°	996.2	992.7	992.7	993.9	985.8	984.6	970.8	948.8	917.6	871.2	812.2
50°	869.0	867.8	870.1	874.7	869.0	866.6	857.4	842.3	814.6	775.2	719.7
52.5°	754.4	753.2	755.6	761.3	759.0	761.3	752.1	740.5	722.0	683.8	635.2
55°	642.2	642.2	642.2	649.1	649.1	649.1	644.5	637.5	620.2	592.4	547.3
57.5°	525.3	526.5	533.4	534.5	533.4	535.7	534.5	527.6	516.0	496.4	461.7
60°	426.9	426.9	430.4	433.9	432.7	433.9	433.9	430.4	418.8	402.6	374.8
62.5°	337.8	341.3	339.0	341.3	345.9	341.3	339.0	336.7	328.6	318.2	295.1
65°	255.7	258.1	258.1	259.2	256.8	258.1	253.5	250.0	245.4	233.8	218.7
67.5°	194.4	194.4	194.4	194.4	193.2	192.0	190.9	187.4	179.3	174.7	158.5
70°	149.3	142.3	142.3	142.3	142.3	143.5	140.1	135.5	133.1	125.0	113.4
72.5°	99.4	101.8	99.4	99.4	97.2	98.3	93.7	91.4	89.1	84.5	77.5
75°	71.8	65.9	68.3	69.4	65.9	68.3	63.7	59.1	59.1	55.6	52.1
77.5°	46.2	45.1	46.2	47.5	46.2	45.1	42.9	40.5	40.5	39.4	35.9
80°	33.5	32.4	32.4	32.4	31.3	32.4	30.2	30.2	27.8	26.7	24.3
82.5°	22.0	22.0	20.8	22.0	20.8	22.0	18.6	18.6	18.6	17.3	15.1
85°	15.1	12.7	12.7	14.0	11.6	14.0	12.7	11.6	10.5	10.5	9.2
87.5°	7.0	8.1	7.0	8.1	7.0	7.0	8.1	7.0	7.0	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°	2369.6	2369.6	2369.6	2369.6	2369.6	2369.6	2369.6	2369.6	2369.6	2369.6	2369.6
2.5°	2358.0	2359.2	2359.2	2363.8	2366.1	2367.3	2367.3	2376.6	2373.1	2375.4	2377.7
5°	2324.5	2331.5	2333.8	2333.8	2346.5	2351.1	2355.8	2366.1	2367.3	2374.2	2382.3
7.5°	2292.1	2300.2	2304.9	2315.2	2323.4	2331.5	2345.3	2352.3	2359.2	2368.5	2378.8
10°	2260.8	2270.1	2279.4	2287.5	2300.2	2310.6	2319.9	2336.1	2344.2	2356.9	2370.8
12.5°	2230.8	2243.5	2251.6	2265.5	2279.4	2288.6	2302.5	2317.6	2330.3	2343.0	2359.2
15°	2204.2	2219.2	2228.5	2243.5	2258.5	2271.3	2286.3	2304.9	2314.1	2329.2	2344.2
17.5°	2175.2	2191.5	2203.1	2216.9	2235.4	2249.3	2262.0	2280.5	2292.1	2308.3	2325.7
20°	2145.2	2161.4	2175.2	2189.1	2207.7	2221.5	2236.6	2255.1	2267.8	2284.0	2297.9
22.5°	2109.3	2124.3	2139.4	2155.5	2174.1	2185.6	2203.1	2219.2	2233.1	2248.1	2262.0
25°	2063.0	2081.6	2093.1	2108.1	2123.2	2135.9	2154.4	2170.6	2182.2	2196.1	2208.8
27.5°	2008.6	2022.5	2031.8	2044.5	2059.5	2071.1	2085.0	2101.2	2112.8	2125.5	2134.7
30°	1916.1	1928.8	1936.9	1946.1	1961.2	1971.7	1983.2	1998.2	2006.3	2015.6	2023.6
32.5°	1794.6	1805.0	1809.6	1816.5	1827.0	1837.4	1846.7	1859.4	1862.9	1868.6	1868.6
35°	1618.8	1621.0	1619.9	1622.2	1626.9	1632.6	1640.7	1648.8	1653.4	1653.4	1649.9
37.5°	1412.8	1398.9	1383.9	1372.3	1368.8	1366.4	1371.1	1374.5	1379.2	1381.5	1375.8
40°	1198.7	1167.5	1133.9	1103.9	1083.0	1073.7	1070.3	1072.6	1072.6	1080.7	1080.7
42.5°	1014.8	966.2	916.4	871.2	841.2	818.1	807.6	807.6	808.8	814.6	818.1
45°	862.0	800.7	742.8	693.1	651.4	621.3	607.5	604.0	602.9	605.1	613.2
47.5°	745.1	681.5	621.3	560.0	516.0	486.0	473.3	468.6	464.0	468.6	469.8
50°	653.7	587.8	524.1	462.8	416.5	389.9	373.7	366.8	365.6	365.6	368.0
52.5°	570.4	509.1	445.5	383.0	334.3	308.9	293.8	290.4	285.8	290.4	290.4
55°	491.7	430.4	368.0	308.9	268.4	241.9	227.9	223.3	221.0	224.4	224.4
57.5°	406.1	354.0	296.2	243.0	202.5	183.9	173.6	167.7	166.6	169.0	166.6
60°	333.2	289.2	239.5	190.9	159.6	140.1	132.0	129.6	127.2	129.6	129.6
62.5°	263.8	226.8	186.3	149.3	122.6	108.8	99.4	99.4	98.3	98.3	99.4
65°	195.5	166.6	137.7	106.4	85.6	75.1	68.3	68.3	67.0	68.3	67.0
67.5°	142.3	122.6	99.4	77.5	61.3	55.6	51.0	47.5	49.7	47.5	46.2
70°	104.2	87.9	71.8	59.1	47.5	41.6	38.2	37.0	34.8	34.8	34.8
72.5°	69.4	59.1	48.6	38.2	31.3	25.4	24.3	22.0	19.7	20.8	23.2
75°	46.2	39.4	34.8	27.8	20.8	20.8	14.0	14.0	11.6	14.0	10.5
77.5°	32.4	26.7	20.8	17.3	14.0	12.7	9.2	9.2	8.1	8.1	8.1
80°	23.2	19.7	15.1	12.7	9.2	9.2	8.1	7.0	5.7	5.7	7.0
82.5°	14.0	10.5	10.5	9.2	5.7	4.6	3.5	4.6	2.4	2.4	2.4
85°	8.1	7.0	5.7	3.5	2.4	2.4	1.1	0.0	1.1	1.1	0.0
87.5°	4.6	2.4	2.4	1.1	0.0	1.1	1.1	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°	2369.6	2369.6	2369.6	2369.6	2369.6	2369.6	2369.6	2369.6	2369.6	2369.6	2369.6
2.5°	2383.5	2382.3	2384.7	2384.7	2391.6	2390.4	2393.9	2393.9	2391.6	2392.8	2397.4
5°	2391.6	2395.1	2402.0	2407.8	2418.2	2422.9	2428.6	2434.5	2435.6	2439.1	2442.5
7.5°	2391.6	2403.2	2411.3	2421.7	2435.6	2443.7	2456.4	2466.8	2471.4	2477.2	2484.1
10°	2386.9	2398.5	2413.6	2425.2	2442.5	2455.3	2468.0	2484.1	2491.1	2500.3	2509.6
12.5°	2377.7	2390.4	2406.6	2421.7	2441.4	2453.0	2469.2	2484.1	2494.6	2507.3	2517.8
15°	2363.8	2378.8	2393.9	2409.0	2429.8	2443.7	2458.7	2476.1	2486.5	2500.3	2509.6
17.5°	2341.9	2358.0	2372.0	2385.8	2405.5	2421.7	2435.6	2451.8	2462.2	2473.8	2486.5
20°	2315.2	2330.3	2345.3	2356.9	2376.6	2390.4	2405.5	2420.5	2428.6	2431.0	2450.6
22.5°	2281.7	2292.1	2303.7	2322.2	2333.8	2346.5	2360.4	2374.2	2382.3	2395.1	2402.0
25°	2226.2	2236.6	2249.3	2257.4	2271.3	2281.7	2295.6	2310.6	2315.2	2324.5	2331.5
27.5°	2148.6	2154.4	2160.2	2167.1	2175.2	2181.0	2189.1	2196.1	2200.7	2205.3	2210.0
30°	2026.0	2026.0	2026.0	2021.4	2024.8	2028.3	2029.4	2028.3	2028.3	2027.1	2027.1
32.5°	1864.0	1854.8	1844.3	1835.1	1831.6	1827.0	1824.6	1821.2	1815.4	1811.9	1813.0
35°	1645.3	1624.5	1611.8	1600.2	1591.0	1584.0	1580.5	1577.0	1575.9	1571.3	1566.7
37.5°	1372.3	1357.2	1348.0	1341.0	1332.9	1325.9	1327.2	1328.3	1331.8	1329.4	1330.5
40°	1083.0	1079.6	1083.0	1074.9	1072.6	1074.9	1080.7	1088.8	1093.4	1098.0	1106.1
42.5°	823.8	829.6	837.7	837.7	841.2	845.8	852.8	865.5	872.4	880.5	889.8
45°	620.2	627.1	637.5	641.0	643.3	649.1	657.2	667.6	672.2	679.2	687.3
47.5°	477.9	482.5	488.2	494.1	499.8	502.2	510.3	510.3	516.0	520.6	523.0
50°	372.6	377.2	381.8	385.3	387.7	391.0	393.4	396.9	398.0	400.4	401.5
52.5°	291.6	297.3	297.3	299.7	303.2	306.6	305.4	306.6	307.8	307.8	311.2
55°	227.9	227.9	231.4	231.4	233.8	232.5	233.8	233.8	233.8	233.8	234.9
57.5°	170.1	171.2	174.7	172.4	171.2	173.6	171.2	173.6	172.4	174.7	171.2
60°	130.7	130.7	132.0	132.0	133.1	133.1	133.1	132.0	132.0	130.7	130.7
62.5°	98.3	99.4	100.7	99.4	99.4	99.4	98.3	98.3	97.2	96.0	96.0
65°	65.9	64.8	67.0	64.8	65.9	65.9	64.8	65.9	62.4	63.7	62.4
67.5°	47.5	46.2	45.1	46.2	45.1	44.0	44.0	45.1	46.2	42.9	42.9
70°	31.3	32.4	31.3	32.4	33.5	33.5	32.4	31.3	32.4	30.2	31.3
72.5°	19.7	19.7	19.7	19.7	19.7	20.8	20.8	20.8	18.6	18.6	17.3
75°	9.2	12.7	10.5	9.2	12.7	12.7	11.6	11.6	10.5	10.5	10.5
77.5°	9.2	7.0	7.0	7.0	7.0	7.0	7.0	7.0	5.7	7.0	5.7
80°	4.6	4.6	4.6	3.5	4.6	4.6	5.7	4.6	4.6	3.5	5.7
82.5°	2.4	2.4	2.4	0.0	1.1	2.4	2.4	1.1	2.4	2.4	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: P245879

CATALOG NUMBER: LD8B50D010 ER8B50927 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	2369.6	2369.6	2369.6	2369.6	2369.6	2369.6	2369.6	2369.6	2369.6	2369.6	2369.6
2.5°	2396.2	2395.1	2396.2	2397.4	2396.2	2395.1	2396.2	2397.4	2392.8	2391.6	2393.9
5°	2447.2	2447.2	2449.5	2450.6	2449.5	2447.2	2447.2	2442.5	2439.1	2435.6	2434.5
7.5°	2491.1	2493.5	2495.7	2496.8	2495.7	2493.5	2491.1	2484.1	2477.2	2471.4	2466.8
10°	2517.8	2521.2	2525.8	2528.1	2525.8	2521.2	2517.8	2509.6	2500.3	2491.1	2484.1
12.5°	2529.3	2532.8	2538.6	2537.4	2538.6	2532.8	2529.3	2517.8	2507.3	2494.6	2484.1
15°	2521.2	2525.8	2531.6	2534.0	2531.6	2525.8	2521.2	2509.6	2500.3	2486.5	2476.1
17.5°	2495.7	2502.7	2506.2	2509.6	2506.2	2502.7	2495.7	2486.5	2473.8	2462.2	2451.8
20°	2461.0	2465.7	2470.3	2471.4	2470.3	2465.7	2461.0	2450.6	2431.0	2428.6	2420.5
22.5°	2411.3	2414.8	2425.2	2421.7	2425.2	2414.8	2411.3	2402.0	2395.1	2382.3	2374.2
25°	2339.5	2343.0	2344.2	2345.3	2344.2	2343.0	2339.5	2331.5	2324.5	2315.2	2310.6
27.5°	2215.8	2215.8	2218.0	2219.2	2218.0	2215.8	2215.8	2210.0	2205.3	2200.7	2196.1
30°	2028.3	2028.3	2028.3	2034.1	2028.3	2028.3	2028.3	2027.1	2027.1	2028.3	2028.3
32.5°	1811.9	1809.6	1807.3	1809.6	1807.3	1809.6	1811.9	1813.0	1811.9	1815.4	1821.2
35°	1566.7	1565.4	1568.9	1564.3	1568.9	1565.4	1566.7	1566.7	1571.3	1575.9	1577.0
37.5°	1331.8	1329.4	1334.0	1329.4	1334.0	1329.4	1331.8	1330.5	1329.4	1331.8	1328.3
40°	1108.5	1110.7	1110.7	1120.0	1110.7	1110.7	1108.5	1106.1	1098.0	1093.4	1088.8
42.5°	894.4	901.4	899.0	906.0	899.0	901.4	894.4	889.8	880.5	872.4	865.5
45°	691.9	696.6	696.6	698.8	696.6	696.6	691.9	687.3	679.2	672.2	667.6
47.5°	531.1	531.1	531.1	532.2	531.1	531.1	531.1	523.0	520.6	516.0	510.3
50°	403.8	405.0	406.1	407.2	406.1	405.0	403.8	401.5	400.4	398.0	396.9
52.5°	310.0	311.2	308.9	311.2	308.9	311.2	310.0	311.2	307.8	307.8	306.6
55°	234.9	233.8	234.9	236.0	234.9	233.8	234.9	234.9	233.8	233.8	233.8
57.5°	172.4	170.1	170.1	170.1	170.1	170.1	172.4	171.2	174.7	172.4	173.6
60°	128.5	129.6	129.6	130.7	129.6	129.6	128.5	130.7	130.7	132.0	132.0
62.5°	94.8	98.3	96.0	98.3	96.0	98.3	94.8	96.0	96.0	97.2	98.3
65°	61.3	61.3	61.3	62.4	61.3	61.3	61.3	62.4	63.7	62.4	65.9
67.5°	41.6	42.9	45.1	44.0	45.1	42.9	41.6	42.9	42.9	46.2	45.1
70°	33.5	30.2	30.2	33.5	30.2	30.2	33.5	31.3	30.2	32.4	31.3
72.5°	19.7	17.3	19.7	19.7	19.7	17.3	19.7	17.3	18.6	18.6	20.8
75°	10.5	9.2	8.1	11.6	8.1	9.2	10.5	10.5	10.5	10.5	11.6
77.5°	7.0	5.7	8.1	8.1	8.1	5.7	7.0	5.7	7.0	5.7	7.0
80°	3.5	4.6	3.5	5.7	3.5	4.6	3.5	5.7	3.5	4.6	4.6
82.5°	1.1	2.4	2.4	2.4	2.4	2.4	1.1	1.1	2.4	2.4	1.1
85°	0.0	2.4	1.1	1.1	1.1	2.4	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: P245879

CATALOG NUMBER: LD8B50D010 ER8B50927 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	2369.6	2369.6	2369.6	2369.6	2369.6	2369.6	2369.6	2369.6	2369.6	2369.6	2369.6
2.5°	2393.9	2390.4	2391.6	2384.7	2384.7	2382.3	2383.5	2377.7	2375.4	2373.1	2376.6
5°	2428.6	2422.9	2418.2	2407.8	2402.0	2395.1	2391.6	2382.3	2374.2	2367.3	2366.1
7.5°	2456.4	2443.7	2435.6	2421.7	2411.3	2403.2	2391.6	2378.8	2368.5	2359.2	2352.3
10°	2468.0	2455.3	2442.5	2425.2	2413.6	2398.5	2386.9	2370.8	2356.9	2344.2	2336.1
12.5°	2469.2	2453.0	2441.4	2421.7	2406.6	2390.4	2377.7	2359.2	2343.0	2330.3	2317.6
15°	2458.7	2443.7	2429.8	2409.0	2393.9	2378.8	2363.8	2344.2	2329.2	2314.1	2304.9
17.5°	2435.6	2421.7	2405.5	2385.8	2372.0	2358.0	2341.9	2325.7	2308.3	2292.1	2280.5
20°	2405.5	2390.4	2376.6	2356.9	2345.3	2330.3	2315.2	2297.9	2284.0	2267.8	2255.1
22.5°	2360.4	2346.5	2333.8	2322.2	2303.7	2292.1	2281.7	2262.0	2248.1	2233.1	2219.2
25°	2295.6	2281.7	2271.3	2257.4	2249.3	2236.6	2226.2	2208.8	2196.1	2182.2	2170.6
27.5°	2189.1	2181.0	2175.2	2167.1	2160.2	2154.4	2148.6	2134.7	2125.5	2112.8	2101.2
30°	2029.4	2028.3	2024.8	2021.4	2026.0	2026.0	2026.0	2023.6	2015.6	2006.3	1998.2
32.5°	1824.6	1827.0	1831.6	1835.1	1844.3	1854.8	1864.0	1868.6	1868.6	1862.9	1859.4
35°	1580.5	1584.0	1591.0	1600.2	1611.8	1624.5	1645.3	1649.9	1653.4	1653.4	1648.8
37.5°	1327.2	1325.9	1332.9	1341.0	1348.0	1357.2	1372.3	1375.8	1381.5	1379.2	1374.5
40°	1080.7	1074.9	1072.6	1074.9	1083.0	1079.6	1083.0	1080.7	1080.7	1072.6	1072.6
42.5°	852.8	845.8	841.2	837.7	837.7	829.6	823.8	818.1	814.6	808.8	807.6
45°	657.2	649.1	643.3	641.0	637.5	627.1	620.2	613.2	605.1	602.9	604.0
47.5°	510.3	502.2	499.8	494.1	488.2	482.5	477.9	469.8	468.6	464.0	468.6
50°	393.4	391.0	387.7	385.3	381.8	377.2	372.6	368.0	365.6	365.6	366.8
52.5°	305.4	306.6	303.2	299.7	297.3	297.3	291.6	290.4	290.4	285.8	290.4
55°	233.8	232.5	233.8	231.4	231.4	227.9	227.9	224.4	224.4	221.0	223.3
57.5°	171.2	173.6	171.2	172.4	174.7	171.2	170.1	166.6	169.0	166.6	167.7
60°	133.1	133.1	133.1	132.0	132.0	130.7	130.7	129.6	129.6	127.2	129.6
62.5°	98.3	99.4	99.4	99.4	100.7	99.4	98.3	99.4	98.3	98.3	99.4
65°	64.8	65.9	65.9	64.8	67.0	64.8	65.9	67.0	68.3	67.0	68.3
67.5°	44.0	44.0	45.1	46.2	45.1	46.2	47.5	46.2	47.5	49.7	47.5
70°	32.4	33.5	33.5	32.4	31.3	32.4	31.3	34.8	34.8	34.8	37.0
72.5°	20.8	20.8	19.7	19.7	19.7	19.7	19.7	23.2	20.8	19.7	22.0
75°	11.6	12.7	12.7	9.2	10.5	12.7	9.2	10.5	14.0	11.6	14.0
77.5°	7.0	7.0	7.0	7.0	7.0	7.0	9.2	8.1	8.1	8.1	9.2
80°	5.7	4.6	4.6	3.5	4.6	4.6	4.6	7.0	5.7	5.7	7.0
82.5°	2.4	2.4	1.1	0.0	2.4	2.4	2.4	2.4	2.4	2.4	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	2.4	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: P245879

CATALOG NUMBER: LD8B50D010 ER8B50927 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	2369.6	2369.6	2369.6	2369.6	2369.6	2369.6	2369.6	2369.6	2369.6	2369.6	2369.6
2.5°	2367.3	2367.3	2366.1	2363.8	2359.2	2359.2	2358.0	2354.6	2352.3	2351.1	2351.1
5°	2355.8	2351.1	2346.5	2333.8	2333.8	2331.5	2324.5	2319.9	2317.6	2311.8	2309.5
7.5°	2345.3	2331.5	2323.4	2315.2	2304.9	2300.2	2292.1	2288.6	2280.5	2274.8	2271.3
10°	2319.9	2310.6	2300.2	2287.5	2279.4	2270.1	2260.8	2253.9	2243.5	2237.7	2233.1
12.5°	2302.5	2288.6	2279.4	2265.5	2251.6	2243.5	2230.8	2222.7	2212.3	2200.7	2193.8
15°	2286.3	2271.3	2258.5	2243.5	2228.5	2219.2	2204.2	2195.0	2179.9	2168.3	2160.2
17.5°	2262.0	2249.3	2235.4	2216.9	2203.1	2191.5	2175.2	2163.7	2149.8	2134.7	2126.7
20°	2236.6	2221.5	2207.7	2189.1	2175.2	2161.4	2145.2	2132.4	2116.2	2102.4	2093.1
22.5°	2203.1	2185.6	2174.1	2155.5	2139.4	2124.3	2109.3	2094.3	2079.2	2067.6	2057.2
25°	2154.4	2135.9	2123.2	2108.1	2093.1	2081.6	2063.0	2053.8	2038.7	2028.3	2017.9
27.5°	2085.0	2071.1	2059.5	2044.5	2031.8	2022.5	2008.6	1999.4	1986.6	1977.4	1969.3
30°	1983.2	1971.7	1961.2	1946.1	1936.9	1928.8	1916.1	1908.0	1898.7	1888.3	1886.0
32.5°	1846.7	1837.4	1827.0	1816.5	1809.6	1805.0	1794.6	1790.0	1780.6	1774.9	1769.2
35°	1640.7	1632.6	1626.9	1622.2	1619.9	1621.0	1618.8	1623.4	1625.6	1624.5	1625.6
37.5°	1371.1	1366.4	1368.8	1372.3	1383.9	1398.9	1412.8	1433.6	1447.4	1461.4	1474.1
40°	1070.3	1073.7	1083.0	1103.9	1133.9	1167.5	1198.7	1238.1	1277.4	1305.1	1330.5
42.5°	807.6	818.1	841.2	871.2	916.4	966.2	1014.8	1072.6	1120.0	1166.3	1198.7
45°	607.5	621.3	651.4	693.1	742.8	800.7	862.0	926.8	983.5	1031.0	1066.8
47.5°	473.3	486.0	516.0	560.0	621.3	681.5	745.1	812.2	871.2	917.6	948.8
50°	373.7	389.9	416.5	462.8	524.1	587.8	653.7	719.7	775.2	814.6	842.3
52.5°	293.8	308.9	334.3	383.0	445.5	509.1	570.4	635.2	683.8	722.0	740.5
55°	227.9	241.9	268.4	308.9	368.0	430.4	491.7	547.3	592.4	620.2	637.5
57.5°	173.6	183.9	202.5	243.0	296.2	354.0	406.1	461.7	496.4	516.0	527.6
60°	132.0	140.1	159.6	190.9	239.5	289.2	333.2	374.8	402.6	418.8	430.4
62.5°	99.4	108.8	122.6	149.3	186.3	226.8	263.8	295.1	318.2	328.6	336.7
65°	68.3	75.1	85.6	106.4	137.7	166.6	195.5	218.7	233.8	245.4	250.0
67.5°	51.0	55.6	61.3	77.5	99.4	122.6	142.3	158.5	174.7	179.3	187.4
70°	38.2	41.6	47.5	59.1	71.8	87.9	104.2	113.4	125.0	133.1	135.5
72.5°	24.3	25.4	31.3	38.2	48.6	59.1	69.4	77.5	84.5	89.1	91.4
75°	14.0	20.8	20.8	27.8	34.8	39.4	46.2	52.1	55.6	59.1	59.1
77.5°	9.2	12.7	14.0	17.3	20.8	26.7	32.4	35.9	39.4	40.5	40.5
80°	8.1	9.2	9.2	12.7	15.1	19.7	23.2	24.3	26.7	27.8	30.2
82.5°	3.5	4.6	5.7	9.2	10.5	10.5	14.0	15.1	17.3	18.6	18.6
85°	1.1	2.4	2.4	3.5	5.7	7.0	8.1	9.2	10.5	10.5	11.6
87.5°	1.1	1.1	0.0	1.1	2.4	2.4	4.6	4.6	4.6	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: P245879

CATALOG NUMBER: LD8B50D010 ER8B50927 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	2369.6	2369.6	2369.6	2369.6	2369.6	2369.6	2369.6
2.5°	2348.8	2350.0	2345.3	2344.2	2341.9	2343.0	2345.3
5°	2306.0	2307.2	2302.5	2297.9	2297.9	2296.7	2297.9
7.5°	2265.5	2266.6	2259.7	2257.4	2252.7	2253.9	2253.9
10°	2225.0	2225.0	2214.6	2213.4	2210.0	2208.8	2208.8
12.5°	2185.6	2182.2	2174.1	2169.5	2171.8	2164.8	2164.8
15°	2150.9	2145.2	2134.7	2131.3	2125.5	2123.2	2123.2
17.5°	2115.1	2110.5	2101.2	2094.3	2087.3	2086.2	2087.3
20°	2080.4	2075.7	2064.2	2059.5	2053.8	2053.8	2051.4
22.5°	2045.6	2041.0	2030.6	2027.1	2019.0	2019.0	2020.2
25°	2009.8	2006.3	1994.7	1992.5	1991.2	1986.6	1989.0
27.5°	1961.2	1958.8	1949.6	1946.1	1941.5	1940.4	1942.6
30°	1872.1	1868.6	1861.8	1858.3	1850.2	1851.3	1853.6
32.5°	1761.1	1756.5	1747.1	1743.6	1736.8	1734.4	1735.5
35°	1622.2	1618.8	1610.7	1610.7	1603.7	1601.3	1603.7
37.5°	1481.1	1484.4	1481.1	1484.4	1481.1	1479.8	1481.1
40°	1348.0	1360.7	1362.9	1375.8	1371.1	1378.0	1376.9
42.5°	1220.6	1241.4	1249.6	1260.0	1257.8	1262.4	1265.9
45°	1092.3	1109.6	1117.7	1124.7	1125.8	1128.1	1129.3
47.5°	970.8	984.6	985.8	993.9	992.7	992.7	996.2
50°	857.4	866.6	869.0	874.7	870.1	867.8	869.0
52.5°	752.1	761.3	759.0	761.3	755.6	753.2	754.4
55°	644.5	649.1	649.1	649.1	642.2	642.2	642.2
57.5°	534.5	535.7	533.4	534.5	533.4	526.5	525.3
60°	433.9	433.9	432.7	433.9	430.4	426.9	426.9
62.5°	339.0	341.3	345.9	341.3	339.0	341.3	337.8
65°	253.5	258.1	256.8	259.2	258.1	258.1	255.7
67.5°	190.9	192.0	193.2	194.4	194.4	194.4	194.4
70°	140.1	143.5	142.3	142.3	142.3	142.3	149.3
72.5°	93.7	98.3	97.2	99.4	99.4	101.8	99.4
75°	63.7	68.3	65.9	69.4	68.3	65.9	71.8
77.5°	42.9	45.1	46.2	47.5	46.2	45.1	46.2
80°	30.2	32.4	31.3	32.4	32.4	32.4	33.5
82.5°	18.6	22.0	20.8	22.0	20.8	22.0	22.0
85°	12.7	14.0	11.6	14.0	12.7	12.7	15.1
87.5°	8.1	7.0	7.0	8.1	7.0	8.1	7.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)