

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: P248929

Luminaire Tested: **LD8B60D010 ER8B60935 8LBSW0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248929
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: LD8B60D010 ER8B60935 8LBSW0B
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
90 CRI 3500 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4064.0 lumens
Efficiency: N/A
Efficacy: 68.3 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

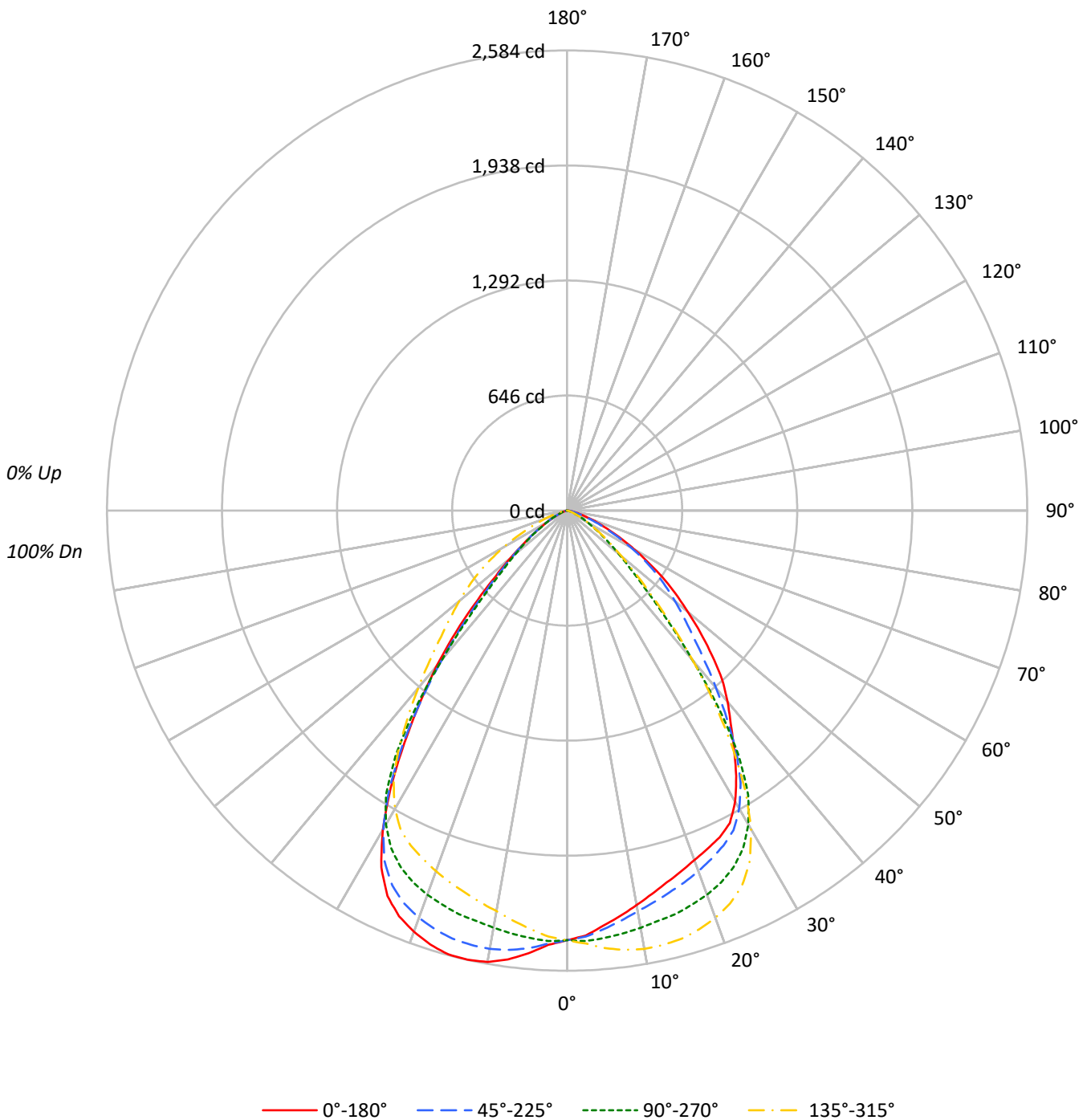
Input Watts (W): 59.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	74399	74399	74399	74399
5°	72420	74572	77234	74572
10°	70418	74476	80597	74476
15°	69010	74916	82364	74916
20°	68541	75344	82573	75344
25°	68902	75193	81246	75193
30°	67197	72442	73745	72442
35°	61465	63193	59960	63193
40°	56432	43957	45906	43957
45°	50142	26820	31028	26820
50°	42442	17913	19894	17913
55°	35149	12225	12919	12225
60°	26809	8135	8209	8135
65°	18993	5071	4641	5071
70°	13704	3399	3083	3399
75°	8697	1692	1406	1692
80°	6073	1261	1048	1261
85°	5413	0	425	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	229.6	5.7
10°-20°	665.0	16.4
20°-30°	1006.9	24.8
30°-40°	1009.2	24.8
40°-50°	633.7	15.6
50°-60°	337.7	8.3
60°-70°	138.9	3.4
70°-80°	36.7	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°	1901.6	46.8
0°-40°	2910.8	71.6
0°-60°	3882.2	95.5
0°-90°	4064.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4064.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2413	2413	2413	2413	2413	
5°	2340	2409	2495	2409	2340	221
15°	2162	2347	2580	2347	2162	611
25°	2025	2210	2388	2210	2025	929
35°	1633	1679	1593	1679	1633	1023
45°	1150	615	712	615	1150	884
55°	654	227	240	227	654	583
65°	260	70	64	70	260	270
75°	73	14	12	14	73	83
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°	2412.7	2412.7	2412.7	2412.7	2412.7	2412.7	2412.7	2412.7	2412.7	2412.7	2412.7
2.5°	2387.9	2385.6	2384.4	2386.8	2387.9	2392.6	2391.5	2393.8	2393.8	2395.0	2397.3
5°	2339.6	2338.4	2339.6	2339.6	2344.3	2349.0	2347.9	2351.4	2353.8	2359.7	2362.0
7.5°	2294.9	2294.9	2293.7	2298.4	2300.8	2307.8	2306.6	2312.5	2316.1	2321.9	2330.2
10°	2248.9	2248.9	2250.1	2253.6	2254.8	2265.4	2265.4	2273.6	2278.4	2284.3	2294.9
12.5°	2204.2	2204.2	2211.2	2208.9	2213.6	2221.8	2225.4	2233.6	2240.7	2252.5	2263.1
15°	2161.7	2161.7	2164.1	2170.0	2173.5	2184.1	2190.0	2199.5	2207.7	2219.5	2234.8
17.5°	2125.2	2124.1	2125.2	2132.3	2139.4	2148.8	2153.5	2165.3	2173.5	2188.8	2203.0
20°	2088.7	2091.1	2091.1	2096.9	2101.7	2113.4	2118.1	2131.1	2140.5	2154.7	2171.2
22.5°	2056.9	2055.7	2055.7	2064.0	2067.5	2078.1	2082.8	2094.6	2105.2	2117.0	2132.3
25°	2025.1	2022.7	2027.5	2028.6	2031.0	2042.7	2046.3	2054.5	2065.1	2075.8	2091.1
27.5°	1978.0	1975.6	1976.8	1981.5	1985.0	1994.4	1996.8	2005.1	2013.3	2022.7	2035.7
30°	1887.2	1884.9	1883.7	1892.0	1895.5	1902.6	1906.1	1920.3	1922.6	1933.2	1942.6
32.5°	1767.1	1765.9	1768.3	1775.3	1778.9	1788.3	1793.0	1801.3	1807.1	1813.0	1822.4
35°	1632.8	1630.4	1632.8	1639.9	1639.9	1648.1	1651.7	1655.2	1654.0	1655.2	1652.8
37.5°	1507.9	1506.7	1507.9	1511.4	1507.9	1511.4	1507.9	1500.9	1487.9	1473.8	1459.6
40°	1401.9	1403.1	1396.0	1400.7	1387.7	1385.4	1372.5	1354.8	1328.9	1300.6	1260.5
42.5°	1288.8	1285.3	1280.6	1282.9	1272.3	1264.0	1242.8	1220.5	1187.5	1140.4	1092.0
45°	1149.8	1148.6	1146.3	1145.1	1138.0	1129.8	1112.1	1086.2	1049.7	1001.4	943.6
47.5°	1014.3	1010.8	1010.8	1011.9	1003.7	1002.5	988.4	966.0	934.2	887.1	827.0
50°	884.7	883.5	885.9	890.6	884.7	882.4	873.0	857.6	829.4	789.3	732.7
52.5°	768.1	766.9	769.3	775.2	772.8	775.2	765.8	754.0	735.1	696.2	646.8
55°	653.8	653.8	653.8	660.9	660.9	660.9	656.2	649.1	631.4	603.2	557.2
57.5°	534.8	536.0	543.1	544.3	543.1	545.5	544.3	537.2	525.4	505.4	470.1
60°	434.7	434.7	438.3	441.8	440.6	441.8	441.8	438.3	426.5	410.0	381.7
62.5°	344.0	347.5	345.2	347.5	352.2	347.5	345.2	342.8	334.6	324.0	300.4
65°	260.3	262.7	262.7	263.9	261.5	262.7	258.0	254.5	249.8	238.0	222.7
67.5°	197.9	197.9	197.9	197.9	196.7	195.6	194.4	190.9	182.6	177.9	161.4
70°	152.0	144.9	144.9	144.9	144.9	146.1	142.6	137.9	135.5	127.2	115.5
72.5°	101.3	103.7	101.3	101.3	99.0	100.1	95.4	93.1	90.7	86.0	78.9
75°	73.0	67.2	69.5	70.7	67.2	69.5	64.8	60.1	60.1	56.5	53.0
77.5°	47.1	46.0	47.1	48.3	47.1	46.0	43.6	41.2	41.2	40.1	36.5
80°	34.2	33.0	33.0	33.0	31.8	33.0	30.6	30.6	28.3	27.1	24.7
82.5°	22.4	22.4	21.2	22.4	21.2	22.4	18.9	18.9	18.9	17.7	15.3
85°	15.3	12.9	12.9	14.2	11.8	14.2	12.9	11.8	10.6	10.6	9.4
87.5°	7.1	8.2	7.1	8.2	7.1	7.1	8.2	7.1	7.1	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°	2412.7	2412.7	2412.7	2412.7	2412.7	2412.7	2412.7	2412.7	2412.7	2412.7	2412.7
2.5°	2400.9	2402.0	2402.0	2406.8	2409.1	2410.3	2410.3	2419.7	2416.2	2418.6	2420.9
5°	2366.7	2373.8	2376.2	2376.2	2389.1	2393.8	2398.5	2409.1	2410.3	2417.4	2425.6
7.5°	2333.7	2342.0	2346.7	2357.3	2365.5	2373.8	2387.9	2395.0	2402.0	2411.5	2422.1
10°	2301.9	2311.4	2320.8	2329.0	2342.0	2352.6	2362.0	2378.5	2386.8	2399.7	2413.8
12.5°	2271.3	2284.3	2292.5	2306.6	2320.8	2330.2	2344.3	2359.7	2372.6	2385.6	2402.0
15°	2244.2	2259.5	2268.9	2284.3	2299.6	2312.5	2327.9	2346.7	2356.1	2371.5	2386.8
17.5°	2214.7	2231.3	2243.1	2257.2	2276.0	2290.1	2303.1	2321.9	2333.7	2350.2	2367.9
20°	2184.1	2200.6	2214.7	2228.9	2247.8	2261.9	2277.2	2296.0	2309.0	2325.5	2339.6
22.5°	2147.6	2162.9	2178.2	2194.7	2213.6	2225.4	2243.1	2259.5	2273.6	2289.0	2303.1
25°	2100.5	2119.4	2131.1	2146.4	2161.7	2174.7	2193.5	2210.0	2221.8	2236.0	2248.9
27.5°	2045.1	2059.3	2068.7	2081.6	2096.9	2108.7	2122.8	2139.4	2151.2	2164.1	2173.5
30°	1950.8	1963.8	1972.1	1981.5	1996.8	2007.4	2019.2	2034.5	2042.7	2052.2	2060.4
32.5°	1827.2	1837.8	1842.5	1849.6	1860.2	1870.7	1880.2	1893.1	1896.7	1902.6	1902.6
35°	1648.1	1650.5	1649.3	1651.7	1656.4	1662.2	1670.5	1678.7	1683.4	1683.4	1679.9
37.5°	1438.4	1424.3	1409.0	1397.2	1393.7	1391.3	1396.0	1399.5	1404.3	1406.6	1400.7
40°	1220.5	1188.7	1154.5	1123.9	1102.7	1093.3	1089.7	1092.0	1092.0	1100.3	1100.3
42.5°	1033.2	983.7	933.0	887.1	856.4	832.9	822.3	822.3	823.5	829.4	832.9
45°	877.7	815.2	756.3	705.7	663.2	632.6	618.5	615.0	613.8	616.1	624.4
47.5°	758.7	693.9	632.6	570.2	525.4	494.8	481.8	477.1	472.4	477.1	478.3
50°	665.6	598.5	533.7	471.2	424.1	397.0	380.5	373.4	372.3	372.3	374.6
52.5°	580.8	518.4	453.6	390.0	340.4	314.6	299.2	295.7	291.0	295.7	295.7
55°	500.7	438.3	374.6	314.6	273.3	246.2	232.1	227.4	225.0	228.5	228.5
57.5°	413.5	360.5	301.6	247.4	206.2	187.3	176.7	170.8	169.6	172.0	169.6
60°	339.3	294.5	243.9	194.4	162.6	142.6	134.3	131.9	129.6	131.9	131.9
62.5°	268.6	230.9	189.6	152.0	124.9	110.8	101.3	101.3	100.1	100.1	101.3
65°	199.1	169.6	140.2	108.4	87.2	76.6	69.5	69.5	68.3	69.5	68.3
67.5°	144.9	124.9	101.3	78.9	62.5	56.5	51.8	48.3	50.7	48.3	47.1
70°	106.0	89.5	73.0	60.1	48.3	42.4	38.9	37.7	35.3	35.3	35.3
72.5°	70.7	60.1	49.5	38.9	31.8	25.9	24.7	22.4	20.0	21.2	23.6
75°	47.1	40.1	35.3	28.3	21.2	21.2	14.2	14.2	11.8	14.2	10.6
77.5°	33.0	27.1	21.2	17.7	14.2	12.9	9.4	9.4	8.2	8.2	8.2
80°	23.6	20.0	15.3	12.9	9.4	9.4	8.2	7.1	5.9	5.9	7.1
82.5°	14.2	10.6	10.6	9.4	5.9	4.7	3.5	4.7	2.4	2.4	2.4
85°	8.2	7.1	5.9	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°	2412.7	2412.7	2412.7	2412.7	2412.7	2412.7	2412.7	2412.7	2412.7	2412.7	2412.7
2.5°	2426.8	2425.6	2428.0	2428.0	2435.1	2433.9	2437.4	2437.4	2435.1	2436.2	2440.9
5°	2435.1	2438.6	2445.6	2451.6	2462.1	2466.9	2472.7	2478.7	2479.8	2483.4	2486.9
7.5°	2435.1	2446.9	2455.1	2465.7	2479.8	2488.1	2501.0	2511.6	2516.3	2522.2	2529.3
10°	2430.3	2442.1	2457.4	2469.2	2486.9	2499.9	2512.8	2529.3	2536.4	2545.8	2555.2
12.5°	2420.9	2433.9	2450.3	2465.7	2485.7	2497.5	2514.0	2529.3	2539.9	2552.9	2563.5
15°	2406.8	2422.1	2437.4	2452.7	2473.9	2488.1	2503.4	2521.0	2531.7	2545.8	2555.2
17.5°	2384.4	2400.9	2415.0	2429.2	2449.2	2465.7	2479.8	2496.3	2506.9	2518.7	2531.7
20°	2357.3	2372.6	2387.9	2399.7	2419.7	2433.9	2449.2	2464.5	2472.7	2475.1	2495.1
22.5°	2323.2	2333.7	2345.5	2364.4	2376.2	2389.1	2403.3	2417.4	2425.6	2438.6	2445.6
25°	2266.6	2277.2	2290.1	2298.4	2312.5	2323.2	2337.3	2352.6	2357.3	2366.7	2373.8
27.5°	2187.7	2193.5	2199.5	2206.5	2214.7	2220.6	2228.9	2236.0	2240.7	2245.4	2250.1
30°	2062.8	2062.8	2062.8	2058.1	2061.6	2065.1	2066.3	2065.1	2065.1	2064.0	2064.0
32.5°	1897.8	1888.4	1877.8	1868.4	1864.9	1860.2	1857.8	1854.3	1848.4	1844.9	1846.0
35°	1675.2	1654.0	1641.0	1629.3	1619.9	1612.8	1609.2	1605.7	1604.5	1599.8	1595.1
37.5°	1397.2	1381.9	1372.5	1365.4	1357.1	1350.1	1351.2	1352.4	1355.9	1353.6	1354.8
40°	1102.7	1099.1	1102.7	1094.4	1092.0	1094.4	1100.3	1108.6	1113.3	1118.0	1126.2
42.5°	838.8	844.6	852.9	852.9	856.4	861.2	868.2	881.2	888.2	896.5	905.9
45°	631.4	638.5	649.1	652.6	655.0	660.9	669.2	679.7	684.4	691.5	699.8
47.5°	486.5	491.3	497.1	503.0	508.9	511.3	519.5	519.5	525.4	530.1	532.5
50°	379.3	384.0	388.7	392.3	394.7	398.2	400.5	404.1	405.2	407.6	408.8
52.5°	296.9	302.8	302.8	305.1	308.6	312.2	311.0	312.2	313.3	313.3	316.9
55°	232.1	232.1	235.6	235.6	238.0	236.8	238.0	238.0	238.0	238.0	239.2
57.5°	173.2	174.4	177.9	175.5	174.4	176.7	174.4	176.7	175.5	177.9	174.4
60°	133.1	133.1	134.3	134.3	135.5	135.5	135.5	134.3	134.3	133.1	133.1
62.5°	100.1	101.3	102.5	101.3	101.3	101.3	100.1	100.1	99.0	97.8	97.8
65°	67.2	66.0	68.3	66.0	67.2	67.2	66.0	67.2	63.6	64.8	63.6
67.5°	48.3	47.1	46.0	47.1	46.0	44.8	44.8	46.0	47.1	43.6	43.6
70°	31.8	33.0	31.8	33.0	34.2	34.2	33.0	31.8	33.0	30.6	31.8
72.5°	20.0	20.0	20.0	20.0	20.0	21.2	21.2	21.2	18.9	18.9	17.7
75°	9.4	12.9	10.6	9.4	12.9	12.9	11.8	11.8	10.6	10.6	10.6
77.5°	9.4	7.1	7.1	7.1	7.1	7.1	7.1	7.1	5.9	7.1	5.9
80°	4.7	4.7	4.7	3.5	4.7	4.7	5.9	4.7	4.7	3.5	5.9
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: P248929

CATALOG NUMBER: LD8B60D010 ER8B60935 8LBSW0B

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	2412.7	2412.7	2412.7	2412.7	2412.7	2412.7	2412.7	2412.7	2412.7	2412.7	2412.7
2.5°	2439.8	2438.6	2439.8	2440.9	2439.8	2438.6	2439.8	2440.9	2436.2	2435.1	2437.4
5°	2491.6	2491.6	2493.9	2495.1	2493.9	2491.6	2491.6	2486.9	2483.4	2479.8	2478.7
7.5°	2536.4	2538.7	2541.1	2542.2	2541.1	2538.7	2536.4	2529.3	2522.2	2516.3	2511.6
10°	2563.5	2567.0	2571.7	2574.0	2571.7	2567.0	2563.5	2555.2	2545.8	2536.4	2529.3
12.5°	2575.3	2578.8	2584.7	2583.5	2584.7	2578.8	2575.3	2563.5	2552.9	2539.9	2529.3
15°	2567.0	2571.7	2577.6	2580.0	2577.6	2571.7	2567.0	2555.2	2545.8	2531.7	2521.0
17.5°	2541.1	2548.1	2551.7	2555.2	2551.7	2548.1	2541.1	2531.7	2518.7	2506.9	2496.3
20°	2505.7	2510.5	2515.2	2516.3	2515.2	2510.5	2505.7	2495.1	2475.1	2472.7	2464.5
22.5°	2455.1	2458.6	2469.2	2465.7	2469.2	2458.6	2455.1	2445.6	2438.6	2425.6	2417.4
25°	2382.0	2385.6	2386.8	2387.9	2386.8	2385.6	2382.0	2373.8	2366.7	2357.3	2352.6
27.5°	2256.0	2256.0	2258.3	2259.5	2258.3	2256.0	2256.0	2250.1	2245.4	2240.7	2236.0
30°	2065.1	2065.1	2065.1	2071.1	2065.1	2065.1	2065.1	2064.0	2064.0	2065.1	2065.1
32.5°	1844.9	1842.5	1840.1	1842.5	1840.1	1842.5	1844.9	1846.0	1844.9	1848.4	1854.3
35°	1595.1	1593.9	1597.5	1592.8	1597.5	1593.9	1595.1	1595.1	1599.8	1604.5	1605.7
37.5°	1355.9	1353.6	1358.3	1353.6	1358.3	1353.6	1355.9	1354.8	1353.6	1355.9	1352.4
40°	1128.6	1130.9	1130.9	1140.4	1130.9	1130.9	1128.6	1126.2	1118.0	1113.3	1108.6
42.5°	910.6	917.7	915.3	922.4	915.3	917.7	910.6	905.9	896.5	888.2	881.2
45°	704.5	709.2	709.2	711.5	709.2	709.2	704.5	699.8	691.5	684.4	679.7
47.5°	540.7	540.7	540.7	541.9	540.7	540.7	540.7	532.5	530.1	525.4	519.5
50°	411.1	412.3	413.5	414.7	413.5	412.3	411.1	408.8	407.6	405.2	404.1
52.5°	315.7	316.9	314.6	316.9	314.6	316.9	315.7	316.9	313.3	313.3	312.2
55°	239.2	238.0	239.2	240.3	239.2	238.0	239.2	239.2	238.0	238.0	238.0
57.5°	175.5	173.2	173.2	173.2	173.2	173.2	175.5	174.4	177.9	175.5	176.7
60°	130.8	131.9	131.9	133.1	131.9	131.9	130.8	133.1	133.1	134.3	134.3
62.5°	96.6	100.1	97.8	100.1	97.8	100.1	96.6	97.8	97.8	99.0	100.1
65°	62.5	62.5	62.5	63.6	62.5	62.5	62.5	63.6	64.8	63.6	67.2
67.5°	42.4	43.6	46.0	44.8	46.0	43.6	42.4	43.6	43.6	47.1	46.0
70°	34.2	30.6	30.6	34.2	30.6	30.6	34.2	31.8	30.6	33.0	31.8
72.5°	20.0	17.7	20.0	20.0	20.0	17.7	20.0	17.7	18.9	18.9	21.2
75°	10.6	9.4	8.2	11.8	8.2	9.4	10.6	10.6	10.6	10.6	11.8
77.5°	7.1	5.9	8.2	8.2	8.2	5.9	7.1	5.9	7.1	5.9	7.1
80°	3.5	4.7	3.5	5.9	3.5	4.7	3.5	5.9	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: P248929

CATALOG NUMBER: LD8B60D010 ER8B60935 8LBSW0B

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	2412.7	2412.7	2412.7	2412.7	2412.7	2412.7	2412.7	2412.7	2412.7	2412.7	2412.7
2.5°	2437.4	2433.9	2435.1	2428.0	2428.0	2425.6	2426.8	2420.9	2418.6	2416.2	2419.7
5°	2472.7	2466.9	2462.1	2451.6	2445.6	2438.6	2435.1	2425.6	2417.4	2410.3	2409.1
7.5°	2501.0	2488.1	2479.8	2465.7	2455.1	2446.9	2435.1	2422.1	2411.5	2402.0	2395.0
10°	2512.8	2499.9	2486.9	2469.2	2457.4	2442.1	2430.3	2413.8	2399.7	2386.8	2378.5
12.5°	2514.0	2497.5	2485.7	2465.7	2450.3	2433.9	2420.9	2402.0	2385.6	2372.6	2359.7
15°	2503.4	2488.1	2473.9	2452.7	2437.4	2422.1	2406.8	2386.8	2371.5	2356.1	2346.7
17.5°	2479.8	2465.7	2449.2	2429.2	2415.0	2400.9	2384.4	2367.9	2350.2	2333.7	2321.9
20°	2449.2	2433.9	2419.7	2399.7	2387.9	2372.6	2357.3	2339.6	2325.5	2309.0	2296.0
22.5°	2403.3	2389.1	2376.2	2364.4	2345.5	2333.7	2323.2	2303.1	2289.0	2273.6	2259.5
25°	2337.3	2323.2	2312.5	2298.4	2290.1	2277.2	2266.6	2248.9	2236.0	2221.8	2210.0
27.5°	2228.9	2220.6	2214.7	2206.5	2199.5	2193.5	2187.7	2173.5	2164.1	2151.2	2139.4
30°	2066.3	2065.1	2061.6	2058.1	2062.8	2062.8	2062.8	2060.4	2052.2	2042.7	2034.5
32.5°	1857.8	1860.2	1864.9	1868.4	1877.8	1888.4	1897.8	1902.6	1902.6	1896.7	1893.1
35°	1609.2	1612.8	1619.9	1629.3	1641.0	1654.0	1675.2	1679.9	1683.4	1683.4	1678.7
37.5°	1351.2	1350.1	1357.1	1365.4	1372.5	1381.9	1397.2	1400.7	1406.6	1404.3	1399.5
40°	1100.3	1094.4	1092.0	1094.4	1102.7	1099.1	1102.7	1100.3	1100.3	1092.0	1092.0
42.5°	868.2	861.2	856.4	852.9	852.9	844.6	838.8	832.9	829.4	823.5	822.3
45°	669.2	660.9	655.0	652.6	649.1	638.5	631.4	624.4	616.1	613.8	615.0
47.5°	519.5	511.3	508.9	503.0	497.1	491.3	486.5	478.3	477.1	472.4	477.1
50°	400.5	398.2	394.7	392.3	388.7	384.0	379.3	374.6	372.3	372.3	373.4
52.5°	311.0	312.2	308.6	305.1	302.8	302.8	296.9	295.7	295.7	291.0	295.7
55°	238.0	236.8	238.0	235.6	235.6	232.1	232.1	228.5	228.5	225.0	227.4
57.5°	174.4	176.7	174.4	175.5	177.9	174.4	173.2	169.6	172.0	169.6	170.8
60°	135.5	135.5	135.5	134.3	134.3	133.1	133.1	131.9	131.9	129.6	131.9
62.5°	100.1	101.3	101.3	101.3	102.5	101.3	100.1	101.3	100.1	100.1	101.3
65°	66.0	67.2	67.2	66.0	68.3	66.0	67.2	68.3	69.5	68.3	69.5
67.5°	44.8	44.8	46.0	47.1	46.0	47.1	48.3	47.1	48.3	50.7	48.3
70°	33.0	34.2	34.2	33.0	31.8	33.0	31.8	35.3	35.3	35.3	37.7
72.5°	21.2	21.2	20.0	20.0	20.0	20.0	20.0	23.6	21.2	20.0	22.4
75°	11.8	12.9	12.9	9.4	10.6	12.9	9.4	10.6	14.2	11.8	14.2
77.5°	7.1	7.1	7.1	7.1	7.1	7.1	9.4	8.2	8.2	8.2	9.4
80°	5.9	4.7	4.7	3.5	4.7	4.7	4.7	7.1	5.9	5.9	7.1
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: P248929

CATALOG NUMBER: LD8B60D010 ER8B60935 8LBSW0B

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	2412.7	2412.7	2412.7	2412.7	2412.7	2412.7	2412.7	2412.7	2412.7	2412.7	2412.7
2.5°	2410.3	2410.3	2409.1	2406.8	2402.0	2402.0	2400.9	2397.3	2395.0	2393.8	2393.8
5°	2398.5	2393.8	2389.1	2376.2	2376.2	2373.8	2366.7	2362.0	2359.7	2353.8	2351.4
7.5°	2387.9	2373.8	2365.5	2357.3	2346.7	2342.0	2333.7	2330.2	2321.9	2316.1	2312.5
10°	2362.0	2352.6	2342.0	2329.0	2320.8	2311.4	2301.9	2294.9	2284.3	2278.4	2273.6
12.5°	2344.3	2330.2	2320.8	2306.6	2292.5	2284.3	2271.3	2263.1	2252.5	2240.7	2233.6
15°	2327.9	2312.5	2299.6	2284.3	2268.9	2259.5	2244.2	2234.8	2219.5	2207.7	2199.5
17.5°	2303.1	2290.1	2276.0	2257.2	2243.1	2231.3	2214.7	2203.0	2188.8	2173.5	2165.3
20°	2277.2	2261.9	2247.8	2228.9	2214.7	2200.6	2184.1	2171.2	2154.7	2140.5	2131.1
22.5°	2243.1	2225.4	2213.6	2194.7	2178.2	2162.9	2147.6	2132.3	2117.0	2105.2	2094.6
25°	2193.5	2174.7	2161.7	2146.4	2131.1	2119.4	2100.5	2091.1	2075.8	2065.1	2054.5
27.5°	2122.8	2108.7	2096.9	2081.6	2068.7	2059.3	2045.1	2035.7	2022.7	2013.3	2005.1
30°	2019.2	2007.4	1996.8	1981.5	1972.1	1963.8	1950.8	1942.6	1933.2	1922.6	1920.3
32.5°	1880.2	1870.7	1860.2	1849.6	1842.5	1837.8	1827.2	1822.4	1813.0	1807.1	1801.3
35°	1670.5	1662.2	1656.4	1651.7	1649.3	1650.5	1648.1	1652.8	1655.2	1654.0	1655.2
37.5°	1396.0	1391.3	1393.7	1397.2	1409.0	1424.3	1438.4	1459.6	1473.8	1487.9	1500.9
40°	1089.7	1093.3	1102.7	1123.9	1154.5	1188.7	1220.5	1260.5	1300.6	1328.9	1354.8
42.5°	822.3	832.9	856.4	887.1	933.0	983.7	1033.2	1092.0	1140.4	1187.5	1220.5
45°	618.5	632.6	663.2	705.7	756.3	815.2	877.7	943.6	1001.4	1049.7	1086.2
47.5°	481.8	494.8	525.4	570.2	632.6	693.9	758.7	827.0	887.1	934.2	966.0
50°	380.5	397.0	424.1	471.2	533.7	598.5	665.6	732.7	789.3	829.4	857.6
52.5°	299.2	314.6	340.4	390.0	453.6	518.4	580.8	646.8	696.2	735.1	754.0
55°	232.1	246.2	273.3	314.6	374.6	438.3	500.7	557.2	603.2	631.4	649.1
57.5°	176.7	187.3	206.2	247.4	301.6	360.5	413.5	470.1	505.4	525.4	537.2
60°	134.3	142.6	162.6	194.4	243.9	294.5	339.3	381.7	410.0	426.5	438.3
62.5°	101.3	110.8	124.9	152.0	189.6	230.9	268.6	300.4	324.0	334.6	342.8
65°	69.5	76.6	87.2	108.4	140.2	169.6	199.1	222.7	238.0	249.8	254.5
67.5°	51.8	56.5	62.5	78.9	101.3	124.9	144.9	161.4	177.9	182.6	190.9
70°	38.9	42.4	48.3	60.1	73.0	89.5	106.0	115.5	127.2	135.5	137.9
72.5°	24.7	25.9	31.8	38.9	49.5	60.1	70.7	78.9	86.0	90.7	93.1
75°	14.2	21.2	21.2	28.3	35.3	40.1	47.1	53.0	56.5	60.1	60.1
77.5°	9.4	12.9	14.2	17.7	21.2	27.1	33.0	36.5	40.1	41.2	41.2
80°	8.2	9.4	9.4	12.9	15.3	20.0	23.6	24.7	27.1	28.3	30.6
82.5°	3.5	4.7	5.9	9.4	10.6	10.6	14.2	15.3	17.7	18.9	18.9
85°	1.2	2.4	2.4	3.5	5.9	7.1	8.2	9.4	10.6	10.6	11.8
87.5°	1.2	1.2	0.0	1.2	2.4	2.4	4.7	4.7	4.7	7.1	7.1
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: P248929

CATALOG NUMBER: LD8B60D010 ER8B60935 8LBSW0B

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	2412.7	2412.7	2412.7	2412.7	2412.7	2412.7	2412.7
2.5°	2391.5	2392.6	2387.9	2386.8	2384.4	2385.6	2387.9
5°	2347.9	2349.0	2344.3	2339.6	2339.6	2338.4	2339.6
7.5°	2306.6	2307.8	2300.8	2298.4	2293.7	2294.9	2294.9
10°	2265.4	2265.4	2254.8	2253.6	2250.1	2248.9	2248.9
12.5°	2225.4	2221.8	2213.6	2208.9	2211.2	2204.2	2204.2
15°	2190.0	2184.1	2173.5	2170.0	2164.1	2161.7	2161.7
17.5°	2153.5	2148.8	2139.4	2132.3	2125.2	2124.1	2125.2
20°	2118.1	2113.4	2101.7	2096.9	2091.1	2091.1	2088.7
22.5°	2082.8	2078.1	2067.5	2064.0	2055.7	2055.7	2056.9
25°	2046.3	2042.7	2031.0	2028.6	2027.5	2022.7	2025.1
27.5°	1996.8	1994.4	1985.0	1981.5	1976.8	1975.6	1978.0
30°	1906.1	1902.6	1895.5	1892.0	1883.7	1884.9	1887.2
32.5°	1793.0	1788.3	1778.9	1775.3	1768.3	1765.9	1767.1
35°	1651.7	1648.1	1639.9	1639.9	1632.8	1630.4	1632.8
37.5°	1507.9	1511.4	1507.9	1511.4	1507.9	1506.7	1507.9
40°	1372.5	1385.4	1387.7	1400.7	1396.0	1403.1	1401.9
42.5°	1242.8	1264.0	1272.3	1282.9	1280.6	1285.3	1288.8
45°	1112.1	1129.8	1138.0	1145.1	1146.3	1148.6	1149.8
47.5°	988.4	1002.5	1003.7	1011.9	1010.8	1010.8	1014.3
50°	873.0	882.4	884.7	890.6	885.9	883.5	884.7
52.5°	765.8	775.2	772.8	775.2	769.3	766.9	768.1
55°	656.2	660.9	660.9	660.9	653.8	653.8	653.8
57.5°	544.3	545.5	543.1	544.3	543.1	536.0	534.8
60°	441.8	441.8	440.6	441.8	438.3	434.7	434.7
62.5°	345.2	347.5	352.2	347.5	345.2	347.5	344.0
65°	258.0	262.7	261.5	263.9	262.7	262.7	260.3
67.5°	194.4	195.6	196.7	197.9	197.9	197.9	197.9
70°	142.6	146.1	144.9	144.9	144.9	144.9	152.0
72.5°	95.4	100.1	99.0	101.3	101.3	103.7	101.3
75°	64.8	69.5	67.2	70.7	69.5	67.2	73.0
77.5°	43.6	46.0	47.1	48.3	47.1	46.0	47.1
80°	30.6	33.0	31.8	33.0	33.0	33.0	34.2
82.5°	18.9	22.4	21.2	22.4	21.2	22.4	22.4
85°	12.9	14.2	11.8	14.2	12.9	12.9	15.3
87.5°	8.2	7.1	7.1	8.2	7.1	8.2	7.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)