

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: P244583

Luminaire Tested: **LD8B50D010 ER8B50927 8LBSW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244583
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 8LBSW0H
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
97 CRI 2700 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4313.3 lumens
Efficiency: N/A
Efficacy: 81.4 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

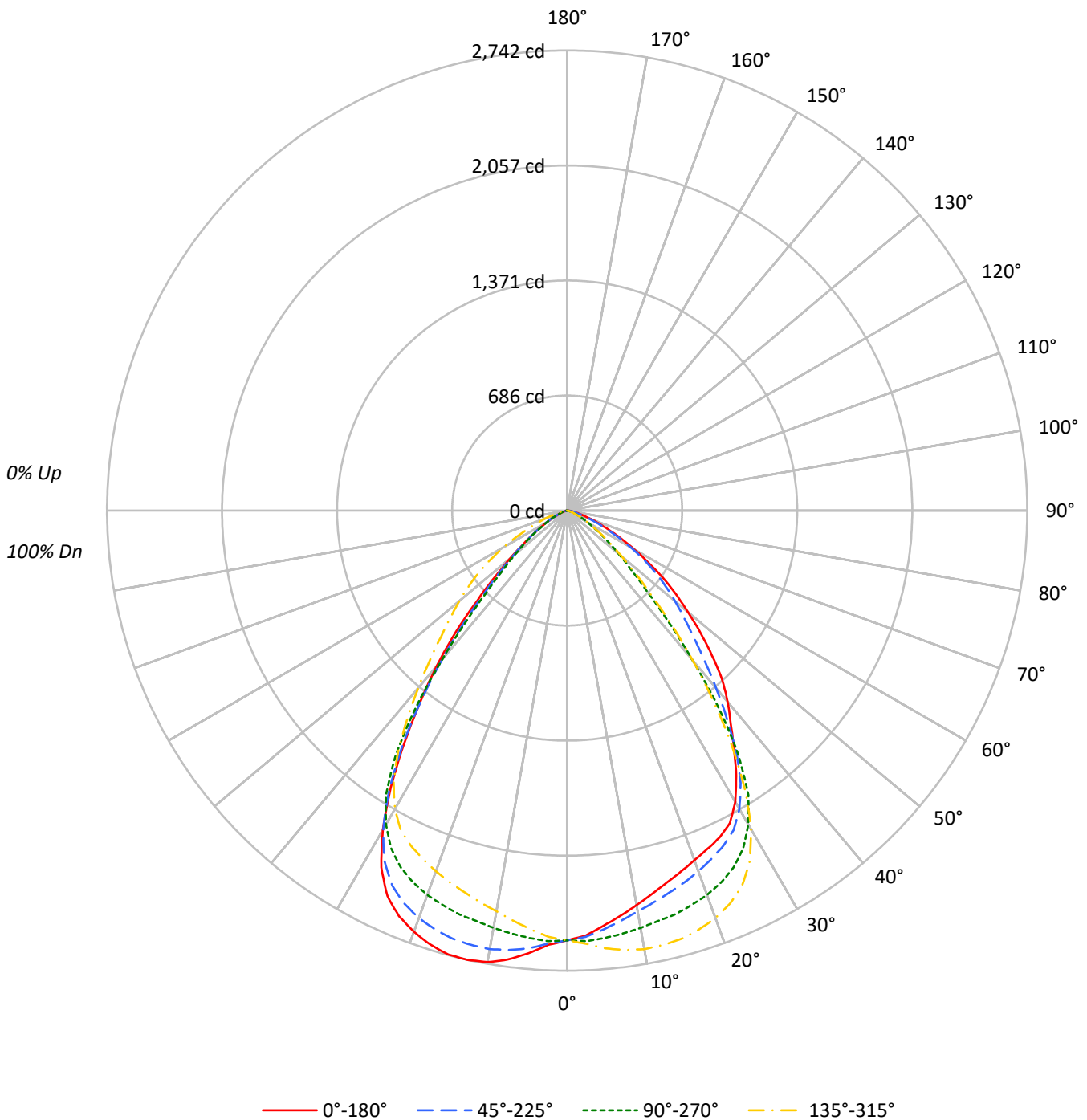
Input Watts (W): 53
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	243.7	5.7
10°-20°	705.8	16.4
20°-30°	1068.7	24.8
30°-40°	1071.1	24.8
40°-50°	672.6	15.6
50°-60°	358.4	8.3
60°-70°	147.4	3.4
70°-80°	38.9	0.9
80°-90°	6.6	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°	2018.2	46.8
0°-40°	3089.3	71.6
0°-60°	4120.3	95.5
0°-90°	4313.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4313.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2561	2561	2561	2561	2561	
5°	2483	2557	2648	2557	2483	234
15°	2294	2491	2738	2491	2294	649
25°	2149	2346	2534	2346	2149	986
35°	1733	1782	1690	1782	1733	1086
45°	1220	653	755	653	1220	939
55°	694	241	255	241	694	619
65°	276	74	68	74	276	287
75°	78	15	12	15	78	88
85°	16	0	1	0	16	18
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°	2560.6	2560.6	2560.6	2560.6	2560.6	2560.6	2560.6	2560.6	2560.6	2560.6	2560.6
2.5°	2534.4	2531.9	2530.7	2533.2	2534.4	2539.4	2538.1	2540.6	2540.6	2541.9	2544.4
5°	2483.1	2481.9	2483.1	2483.1	2488.2	2493.1	2491.9	2495.6	2498.1	2504.4	2506.8
7.5°	2435.6	2435.6	2434.4	2439.3	2441.8	2449.4	2448.1	2454.4	2458.1	2464.3	2473.1
10°	2386.8	2386.8	2388.0	2391.9	2393.1	2404.4	2404.4	2413.1	2418.1	2424.4	2435.6
12.5°	2339.3	2339.3	2346.9	2344.4	2349.3	2358.1	2361.8	2370.6	2378.1	2390.6	2401.9
15°	2294.3	2294.3	2296.8	2303.1	2306.8	2318.1	2324.4	2334.4	2343.2	2355.6	2371.8
17.5°	2255.5	2254.3	2255.5	2263.0	2270.6	2280.6	2285.5	2298.0	2306.8	2323.1	2338.1
20°	2216.8	2219.3	2219.3	2225.6	2230.5	2243.0	2248.1	2261.8	2271.8	2286.8	2304.3
22.5°	2183.1	2181.8	2181.8	2190.6	2194.3	2205.6	2210.5	2223.0	2234.4	2246.8	2263.0
25°	2149.3	2146.7	2151.8	2153.0	2155.5	2168.0	2171.8	2180.5	2191.8	2203.1	2219.3
27.5°	2099.2	2096.8	2098.0	2103.1	2106.8	2116.8	2119.3	2128.0	2136.8	2146.7	2160.6
30°	2003.0	2000.5	1999.2	2008.0	2011.7	2019.3	2023.0	2038.0	2040.5	2051.8	2061.8
32.5°	1875.5	1874.2	1876.7	1884.2	1888.0	1898.0	1902.9	1911.7	1918.0	1924.2	1934.2
35°	1733.0	1730.5	1733.0	1740.5	1740.5	1749.3	1753.0	1756.7	1755.4	1756.7	1754.2
37.5°	1600.4	1599.2	1600.4	1604.1	1600.4	1604.1	1600.4	1592.9	1579.2	1564.1	1549.1
40°	1487.9	1489.2	1481.6	1486.7	1472.9	1470.4	1456.6	1437.9	1410.4	1380.4	1337.9
42.5°	1367.9	1364.1	1359.1	1361.6	1350.3	1341.6	1319.1	1295.3	1260.3	1210.3	1159.0
45°	1220.3	1219.0	1216.6	1215.3	1207.8	1199.0	1180.2	1152.8	1114.1	1062.8	1001.5
47.5°	1076.5	1072.8	1072.8	1074.0	1065.3	1064.0	1049.0	1025.2	991.5	941.5	877.7
50°	938.9	937.7	940.3	945.2	938.9	936.4	926.6	910.2	880.2	837.7	777.7
52.5°	815.2	813.9	816.5	822.7	820.1	822.7	812.7	800.2	780.2	738.9	686.5
55°	693.9	693.9	693.9	701.4	701.4	701.4	696.4	688.9	670.2	640.1	591.4
57.5°	567.7	568.9	576.4	577.7	576.4	578.9	577.7	570.2	557.7	536.4	498.9
60°	461.4	461.4	465.1	468.9	467.6	468.9	468.9	465.1	452.6	435.2	405.1
62.5°	365.1	368.9	366.3	368.9	373.8	368.9	366.3	363.8	355.0	343.8	318.8
65°	276.3	278.9	278.9	280.0	277.5	278.9	273.8	270.1	265.0	252.6	236.4
67.5°	210.0	210.0	210.0	210.0	208.8	207.6	206.3	202.6	193.8	188.8	171.2
70°	161.3	153.8	153.8	153.8	153.8	155.0	151.3	146.4	143.8	135.0	122.5
72.5°	107.6	110.0	107.6	107.6	105.1	106.3	101.2	98.8	96.3	91.4	83.8
75°	77.5	71.3	73.8	75.0	71.3	73.8	68.7	63.8	63.8	60.0	56.2
77.5°	50.1	48.8	50.1	51.3	50.1	48.8	46.2	43.8	43.8	42.5	38.7
80°	36.3	35.0	35.0	35.0	33.8	35.0	32.5	32.5	30.0	28.8	26.2
82.5°	23.7	23.7	22.5	23.7	22.5	23.7	20.0	20.0	20.0	18.8	16.3
85°	16.3	13.7	13.7	15.1	12.5	15.1	13.7	12.5	11.2	11.2	10.0
87.5°	7.5	8.8	7.5	8.8	7.5	7.5	8.8	7.5	7.5	5.0	5.0
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°	2560.6	2560.6	2560.6	2560.6	2560.6	2560.6	2560.6	2560.6	2560.6	2560.6	2560.6
2.5°	2548.1	2549.4	2549.4	2554.4	2556.9	2558.1	2558.1	2568.2	2564.4	2566.9	2569.4
5°	2511.9	2519.3	2521.9	2521.9	2535.6	2540.6	2545.6	2556.9	2558.1	2565.7	2574.3
7.5°	2476.9	2485.6	2490.6	2501.9	2510.7	2519.3	2534.4	2541.9	2549.4	2559.4	2570.6
10°	2443.0	2453.2	2463.1	2471.8	2485.6	2496.8	2506.8	2524.4	2533.2	2546.9	2561.8
12.5°	2410.6	2424.4	2433.2	2448.1	2463.1	2473.1	2488.2	2504.4	2518.1	2531.9	2549.4
15°	2381.8	2398.2	2408.1	2424.4	2440.6	2454.4	2470.6	2490.6	2500.6	2516.8	2533.2
17.5°	2350.6	2368.1	2380.6	2395.6	2415.6	2430.6	2444.4	2464.3	2476.9	2494.4	2513.1
20°	2318.1	2335.6	2350.6	2365.5	2385.6	2400.6	2416.8	2436.9	2450.6	2468.1	2483.1
22.5°	2279.4	2295.6	2311.8	2329.3	2349.3	2361.8	2380.6	2398.2	2413.1	2429.3	2444.4
25°	2229.3	2249.3	2261.8	2278.0	2294.3	2308.0	2328.1	2345.6	2358.1	2373.1	2386.8
27.5°	2170.6	2185.5	2195.5	2209.3	2225.6	2238.1	2253.0	2270.6	2283.1	2296.8	2306.8
30°	2070.5	2084.3	2093.1	2103.1	2119.3	2130.5	2143.0	2159.3	2168.0	2178.1	2186.8
32.5°	1939.2	1950.5	1955.5	1963.0	1974.3	1985.5	1995.5	2009.2	2013.0	2019.3	2019.3
35°	1749.3	1751.6	1750.4	1753.0	1757.9	1764.2	1772.9	1781.7	1786.7	1786.7	1783.0
37.5°	1526.6	1511.7	1495.4	1482.9	1479.1	1476.6	1481.6	1485.3	1490.4	1492.9	1486.7
40°	1295.3	1261.6	1225.4	1192.7	1170.3	1160.3	1156.5	1159.0	1159.0	1167.8	1167.8
42.5°	1096.5	1044.0	990.2	941.5	909.0	884.0	872.8	872.8	874.0	880.2	884.0
45°	931.5	865.2	802.7	748.9	703.9	671.4	656.4	652.6	651.4	653.8	662.6
47.5°	805.2	736.4	671.4	605.1	557.7	525.2	511.4	506.4	501.4	506.4	507.6
50°	706.5	635.2	566.4	500.2	450.1	421.3	403.9	396.3	395.1	395.1	397.6
52.5°	616.4	550.1	481.4	413.9	361.3	333.9	317.6	313.9	308.8	313.9	313.9
55°	531.3	465.1	397.6	333.9	290.0	261.3	246.3	241.3	238.8	242.6	242.6
57.5°	438.9	382.6	320.1	262.6	218.8	198.8	187.5	181.4	180.0	182.6	180.0
60°	360.1	312.6	258.9	206.3	172.6	151.3	142.5	140.1	137.5	140.1	140.1
62.5°	285.1	245.0	201.3	161.3	132.5	117.6	107.6	107.6	106.3	106.3	107.6
65°	211.3	180.0	148.8	115.0	92.6	81.2	73.8	73.8	72.6	73.8	72.6
67.5°	153.8	132.5	107.6	83.8	66.3	60.0	55.0	51.3	53.8	51.3	50.1
70°	112.5	95.0	77.5	63.8	51.3	45.0	41.3	39.9	37.5	37.5	37.5
72.5°	75.0	63.8	52.5	41.3	33.8	27.4	26.2	23.7	21.3	22.5	25.0
75°	50.1	42.5	37.5	30.0	22.5	22.5	15.1	15.1	12.5	15.1	11.2
77.5°	35.0	28.8	22.5	18.8	15.1	13.7	10.0	10.0	8.8	8.8	8.8
80°	25.0	21.3	16.3	13.7	10.0	10.0	8.8	7.5	6.2	6.2	7.5
82.5°	15.1	11.2	11.2	10.0	6.2	5.0	3.7	5.0	2.5	2.5	2.5
85°	8.8	7.5	6.2	3.7	2.5	2.5	1.2	0.0	1.2	1.2	0.0
87.5°	5.0	2.5	2.5	1.2	0.0	1.2	1.2	0.0	0.0	0.0	2.5
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	2560.6	2560.6	2560.6	2560.6	2560.6	2560.6	2560.6	2560.6	2560.6	2560.6	2560.6
2.5°	2575.7	2574.3	2576.9	2576.9	2584.5	2583.1	2586.9	2586.9	2584.5	2585.7	2590.6
5°	2584.5	2588.2	2595.6	2601.9	2613.2	2618.2	2624.4	2630.7	2631.9	2635.6	2639.5
7.5°	2584.5	2597.0	2605.7	2616.9	2631.9	2640.7	2654.4	2665.7	2670.6	2676.9	2684.4
10°	2579.4	2591.9	2608.1	2620.7	2639.5	2653.2	2666.9	2684.4	2691.9	2701.9	2711.9
12.5°	2569.4	2583.1	2600.7	2616.9	2638.1	2650.6	2668.2	2684.4	2695.7	2709.5	2720.7
15°	2554.4	2570.6	2586.9	2603.1	2625.6	2640.7	2656.9	2675.7	2687.0	2701.9	2711.9
17.5°	2530.7	2548.1	2563.2	2578.2	2599.4	2616.9	2631.9	2649.4	2660.7	2673.2	2687.0
20°	2501.9	2518.1	2534.4	2546.9	2568.2	2583.1	2599.4	2615.6	2624.4	2626.9	2648.1
22.5°	2465.7	2476.9	2489.4	2509.4	2521.9	2535.6	2550.6	2565.7	2574.3	2588.2	2595.6
25°	2405.6	2416.8	2430.6	2439.3	2454.4	2465.7	2480.6	2496.8	2501.9	2511.9	2519.3
27.5°	2321.9	2328.1	2334.4	2341.8	2350.6	2356.9	2365.5	2373.1	2378.1	2383.1	2388.0
30°	2189.2	2189.2	2189.2	2184.3	2188.0	2191.8	2193.1	2191.8	2191.8	2190.6	2190.6
32.5°	2014.2	2004.3	1992.9	1983.0	1979.2	1974.3	1971.8	1968.0	1961.8	1958.0	1959.2
35°	1778.0	1755.4	1741.7	1729.2	1719.2	1711.7	1708.0	1704.2	1702.9	1698.0	1692.9
37.5°	1482.9	1466.7	1456.6	1449.1	1440.3	1432.9	1434.1	1435.4	1439.1	1436.6	1437.9
40°	1170.3	1166.5	1170.3	1161.6	1159.0	1161.6	1167.8	1176.5	1181.6	1186.5	1195.3
42.5°	890.2	896.4	905.3	905.3	909.0	914.0	921.5	935.2	942.8	951.4	961.5
45°	670.2	677.7	688.9	692.7	695.1	701.4	710.2	721.5	726.4	733.9	742.7
47.5°	516.4	521.3	527.6	533.9	540.1	542.6	551.4	551.4	557.7	562.6	565.1
50°	402.6	407.6	412.5	416.4	418.8	422.7	425.1	428.8	430.1	432.6	433.8
52.5°	315.1	321.3	321.3	323.8	327.6	331.3	330.1	331.3	332.6	332.6	336.3
55°	246.3	246.3	250.1	250.1	252.6	251.3	252.6	252.6	252.6	252.6	253.8
57.5°	183.8	185.1	188.8	186.3	185.1	187.5	185.1	187.5	186.3	188.8	185.1
60°	141.3	141.3	142.5	142.5	143.8	143.8	143.8	142.5	142.5	141.3	141.3
62.5°	106.3	107.6	108.8	107.6	107.6	107.6	106.3	106.3	105.1	103.7	103.7
65°	71.3	70.1	72.6	70.1	71.3	71.3	70.1	71.3	67.5	68.7	67.5
67.5°	51.3	50.1	48.8	50.1	48.8	47.5	47.5	48.8	50.1	46.2	46.2
70°	33.8	35.0	33.8	35.0	36.3	36.3	35.0	33.8	35.0	32.5	33.8
72.5°	21.3	21.3	21.3	21.3	21.3	22.5	22.5	22.5	20.0	20.0	18.8
75°	10.0	13.7	11.2	10.0	13.7	13.7	12.5	12.5	11.2	11.2	11.2
77.5°	10.0	7.5	7.5	7.5	7.5	7.5	7.5	7.5	6.2	7.5	6.2
80°	5.0	5.0	5.0	3.7	5.0	5.0	6.2	5.0	5.0	3.7	6.2
82.5°	2.5	2.5	2.5	0.0	1.2	2.5	2.5	1.2	2.5	2.5	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: P244583

CATALOG NUMBER: LD8B50D010 ER8B50927 8LBSW0H

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	2560.6	2560.6	2560.6	2560.6	2560.6	2560.6	2560.6	2560.6	2560.6	2560.6	2560.6
2.5°	2589.4	2588.2	2589.4	2590.6	2589.4	2588.2	2589.4	2590.6	2585.7	2584.5	2586.9
5°	2644.4	2644.4	2646.9	2648.1	2646.9	2644.4	2644.4	2639.5	2635.6	2631.9	2630.7
7.5°	2691.9	2694.5	2697.0	2698.2	2697.0	2694.5	2691.9	2684.4	2676.9	2670.6	2665.7
10°	2720.7	2724.4	2729.5	2732.0	2729.5	2724.4	2720.7	2711.9	2701.9	2691.9	2684.4
12.5°	2733.2	2736.9	2743.2	2742.0	2743.2	2736.9	2733.2	2720.7	2709.5	2695.7	2684.4
15°	2724.4	2729.5	2735.7	2738.1	2735.7	2729.5	2724.4	2711.9	2701.9	2687.0	2675.7
17.5°	2697.0	2704.4	2708.2	2711.9	2708.2	2704.4	2697.0	2687.0	2673.2	2660.7	2649.4
20°	2659.4	2664.5	2669.4	2670.6	2669.4	2664.5	2659.4	2648.1	2626.9	2624.4	2615.6
22.5°	2605.7	2609.4	2620.7	2616.9	2620.7	2609.4	2605.7	2595.6	2588.2	2574.3	2565.7
25°	2528.1	2531.9	2533.2	2534.4	2533.2	2531.9	2528.1	2519.3	2511.9	2501.9	2496.8
27.5°	2394.3	2394.3	2396.8	2398.2	2396.8	2394.3	2394.3	2388.0	2383.1	2378.1	2373.1
30°	2191.8	2191.8	2191.8	2198.0	2191.8	2191.8	2191.8	2190.6	2190.6	2191.8	2191.8
32.5°	1958.0	1955.5	1953.0	1955.5	1953.0	1955.5	1958.0	1959.2	1958.0	1961.8	1968.0
35°	1692.9	1691.7	1695.4	1690.4	1695.4	1691.7	1692.9	1692.9	1698.0	1702.9	1704.2
37.5°	1439.1	1436.6	1441.6	1436.6	1441.6	1436.6	1439.1	1437.9	1436.6	1439.1	1435.4
40°	1197.8	1200.3	1200.3	1210.3	1200.3	1200.3	1197.8	1195.3	1186.5	1181.6	1176.5
42.5°	966.5	974.0	971.4	979.0	971.4	974.0	966.5	961.5	951.4	942.8	935.2
45°	747.7	752.7	752.7	755.2	752.7	752.7	747.7	742.7	733.9	726.4	721.5
47.5°	573.9	573.9	573.9	575.2	573.9	573.9	573.9	565.1	562.6	557.7	551.4
50°	436.4	437.6	438.9	440.1	438.9	437.6	436.4	433.8	432.6	430.1	428.8
52.5°	335.1	336.3	333.9	336.3	333.9	336.3	335.1	336.3	332.6	332.6	331.3
55°	253.8	252.6	253.8	255.0	253.8	252.6	253.8	253.8	252.6	252.6	252.6
57.5°	186.3	183.8	183.8	183.8	183.8	183.8	186.3	185.1	188.8	186.3	187.5
60°	138.8	140.1	140.1	141.3	140.1	140.1	138.8	141.3	141.3	142.5	142.5
62.5°	102.5	106.3	103.7	106.3	103.7	106.3	102.5	103.7	103.7	105.1	106.3
65°	66.3	66.3	66.3	67.5	66.3	66.3	66.3	67.5	68.7	67.5	71.3
67.5°	45.0	46.2	48.8	47.5	48.8	46.2	45.0	46.2	46.2	50.1	48.8
70°	36.3	32.5	32.5	36.3	32.5	32.5	36.3	33.8	32.5	35.0	33.8
72.5°	21.3	18.8	21.3	21.3	21.3	18.8	21.3	18.8	20.0	20.0	22.5
75°	11.2	10.0	8.8	12.5	8.8	10.0	11.2	11.2	11.2	11.2	12.5
77.5°	7.5	6.2	8.8	8.8	8.8	6.2	7.5	6.2	7.5	6.2	7.5
80°	3.7	5.0	3.7	6.2	3.7	5.0	3.7	6.2	3.7	5.0	5.0
82.5°	1.2	2.5	2.5	2.5	2.5	2.5	1.2	1.2	2.5	2.5	1.2
85°	0.0	2.5	1.2	1.2	1.2	2.5	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: P244583

CATALOG NUMBER: LD8B50D010 ER8B50927 8LBSW0H

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	2560.6	2560.6	2560.6	2560.6	2560.6	2560.6	2560.6	2560.6	2560.6	2560.6	2560.6
2.5°	2586.9	2583.1	2584.5	2576.9	2576.9	2574.3	2575.7	2569.4	2566.9	2564.4	2568.2
5°	2624.4	2618.2	2613.2	2601.9	2595.6	2588.2	2584.5	2574.3	2565.7	2558.1	2556.9
7.5°	2654.4	2640.7	2631.9	2616.9	2605.7	2597.0	2584.5	2570.6	2559.4	2549.4	2541.9
10°	2666.9	2653.2	2639.5	2620.7	2608.1	2591.9	2579.4	2561.8	2546.9	2533.2	2524.4
12.5°	2668.2	2650.6	2638.1	2616.9	2600.7	2583.1	2569.4	2549.4	2531.9	2518.1	2504.4
15°	2656.9	2640.7	2625.6	2603.1	2586.9	2570.6	2554.4	2533.2	2516.8	2500.6	2490.6
17.5°	2631.9	2616.9	2599.4	2578.2	2563.2	2548.1	2530.7	2513.1	2494.4	2476.9	2464.3
20°	2599.4	2583.1	2568.2	2546.9	2534.4	2518.1	2501.9	2483.1	2468.1	2450.6	2436.9
22.5°	2550.6	2535.6	2521.9	2509.4	2489.4	2476.9	2465.7	2444.4	2429.3	2413.1	2398.2
25°	2480.6	2465.7	2454.4	2439.3	2430.6	2416.8	2405.6	2386.8	2373.1	2358.1	2345.6
27.5°	2365.5	2356.9	2350.6	2341.8	2334.4	2328.1	2321.9	2306.8	2296.8	2283.1	2270.6
30°	2193.1	2191.8	2188.0	2184.3	2189.2	2189.2	2189.2	2186.8	2178.1	2168.0	2159.3
32.5°	1971.8	1974.3	1979.2	1983.0	1992.9	2004.3	2014.2	2019.3	2019.3	2013.0	2009.2
35°	1708.0	1711.7	1719.2	1729.2	1741.7	1755.4	1778.0	1783.0	1786.7	1786.7	1781.7
37.5°	1434.1	1432.9	1440.3	1449.1	1456.6	1466.7	1482.9	1486.7	1492.9	1490.4	1485.3
40°	1167.8	1161.6	1159.0	1161.6	1170.3	1166.5	1170.3	1167.8	1167.8	1159.0	1159.0
42.5°	921.5	914.0	909.0	905.3	905.3	896.4	890.2	884.0	880.2	874.0	872.8
45°	710.2	701.4	695.1	692.7	688.9	677.7	670.2	662.6	653.8	651.4	652.6
47.5°	551.4	542.6	540.1	533.9	527.6	521.3	516.4	507.6	506.4	501.4	506.4
50°	425.1	422.7	418.8	416.4	412.5	407.6	402.6	397.6	395.1	395.1	396.3
52.5°	330.1	331.3	327.6	323.8	321.3	321.3	315.1	313.9	313.9	308.8	313.9
55°	252.6	251.3	252.6	250.1	250.1	246.3	246.3	242.6	242.6	238.8	241.3
57.5°	185.1	187.5	185.1	186.3	188.8	185.1	183.8	180.0	182.6	180.0	181.4
60°	143.8	143.8	143.8	142.5	142.5	141.3	141.3	140.1	140.1	137.5	140.1
62.5°	106.3	107.6	107.6	107.6	108.8	107.6	106.3	107.6	106.3	106.3	107.6
65°	70.1	71.3	71.3	70.1	72.6	70.1	71.3	72.6	73.8	72.6	73.8
67.5°	47.5	47.5	48.8	50.1	48.8	50.1	51.3	50.1	51.3	53.8	51.3
70°	35.0	36.3	36.3	35.0	33.8	35.0	33.8	37.5	37.5	37.5	39.9
72.5°	22.5	22.5	21.3	21.3	21.3	21.3	21.3	25.0	22.5	21.3	23.7
75°	12.5	13.7	13.7	10.0	11.2	13.7	10.0	11.2	15.1	12.5	15.1
77.5°	7.5	7.5	7.5	7.5	7.5	7.5	10.0	8.8	8.8	8.8	10.0
80°	6.2	5.0	5.0	3.7	5.0	5.0	5.0	7.5	6.2	6.2	7.5
82.5°	2.5	2.5	1.2	0.0	2.5	2.5	2.5	2.5	2.5	2.5	5.0
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	2.5	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: P244583

CATALOG NUMBER: LD8B50D010 ER8B50927 8LBSW0H

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	2560.6	2560.6	2560.6	2560.6	2560.6	2560.6	2560.6	2560.6	2560.6	2560.6	2560.6
2.5°	2558.1	2558.1	2556.9	2554.4	2549.4	2549.4	2548.1	2544.4	2541.9	2540.6	2540.6
5°	2545.6	2540.6	2535.6	2521.9	2521.9	2519.3	2511.9	2506.8	2504.4	2498.1	2495.6
7.5°	2534.4	2519.3	2510.7	2501.9	2490.6	2485.6	2476.9	2473.1	2464.3	2458.1	2454.4
10°	2506.8	2496.8	2485.6	2471.8	2463.1	2453.2	2443.0	2435.6	2424.4	2418.1	2413.1
12.5°	2488.2	2473.1	2463.1	2448.1	2433.2	2424.4	2410.6	2401.9	2390.6	2378.1	2370.6
15°	2470.6	2454.4	2440.6	2424.4	2408.1	2398.2	2381.8	2371.8	2355.6	2343.2	2334.4
17.5°	2444.4	2430.6	2415.6	2395.6	2380.6	2368.1	2350.6	2338.1	2323.1	2306.8	2298.0
20°	2416.8	2400.6	2385.6	2365.5	2350.6	2335.6	2318.1	2304.3	2286.8	2271.8	2261.8
22.5°	2380.6	2361.8	2349.3	2329.3	2311.8	2295.6	2279.4	2263.0	2246.8	2234.4	2223.0
25°	2328.1	2308.0	2294.3	2278.0	2261.8	2249.3	2229.3	2219.3	2203.1	2191.8	2180.5
27.5°	2253.0	2238.1	2225.6	2209.3	2195.5	2185.5	2170.6	2160.6	2146.7	2136.8	2128.0
30°	2143.0	2130.5	2119.3	2103.1	2093.1	2084.3	2070.5	2061.8	2051.8	2040.5	2038.0
32.5°	1995.5	1985.5	1974.3	1963.0	1955.5	1950.5	1939.2	1934.2	1924.2	1918.0	1911.7
35°	1772.9	1764.2	1757.9	1753.0	1750.4	1751.6	1749.3	1754.2	1756.7	1755.4	1756.7
37.5°	1481.6	1476.6	1479.1	1482.9	1495.4	1511.7	1526.6	1549.1	1564.1	1579.2	1592.9
40°	1156.5	1160.3	1170.3	1192.7	1225.4	1261.6	1295.3	1337.9	1380.4	1410.4	1437.9
42.5°	872.8	884.0	909.0	941.5	990.2	1044.0	1096.5	1159.0	1210.3	1260.3	1295.3
45°	656.4	671.4	703.9	748.9	802.7	865.2	931.5	1001.5	1062.8	1114.1	1152.8
47.5°	511.4	525.2	557.7	605.1	671.4	736.4	805.2	877.7	941.5	991.5	1025.2
50°	403.9	421.3	450.1	500.2	566.4	635.2	706.5	777.7	837.7	880.2	910.2
52.5°	317.6	333.9	361.3	413.9	481.4	550.1	616.4	686.5	738.9	780.2	800.2
55°	246.3	261.3	290.0	333.9	397.6	465.1	531.3	591.4	640.1	670.2	688.9
57.5°	187.5	198.8	218.8	262.6	320.1	382.6	438.9	498.9	536.4	557.7	570.2
60°	142.5	151.3	172.6	206.3	258.9	312.6	360.1	405.1	435.2	452.6	465.1
62.5°	107.6	117.6	132.5	161.3	201.3	245.0	285.1	318.8	343.8	355.0	363.8
65°	73.8	81.2	92.6	115.0	148.8	180.0	211.3	236.4	252.6	265.0	270.1
67.5°	55.0	60.0	66.3	83.8	107.6	132.5	153.8	171.2	188.8	193.8	202.6
70°	41.3	45.0	51.3	63.8	77.5	95.0	112.5	122.5	135.0	143.8	146.4
72.5°	26.2	27.4	33.8	41.3	52.5	63.8	75.0	83.8	91.4	96.3	98.8
75°	15.1	22.5	22.5	30.0	37.5	42.5	50.1	56.2	60.0	63.8	63.8
77.5°	10.0	13.7	15.1	18.8	22.5	28.8	35.0	38.7	42.5	43.8	43.8
80°	8.8	10.0	10.0	13.7	16.3	21.3	25.0	26.2	28.8	30.0	32.5
82.5°	3.7	5.0	6.2	10.0	11.2	11.2	15.1	16.3	18.8	20.0	20.0
85°	1.2	2.5	2.5	3.7	6.2	7.5	8.8	10.0	11.2	11.2	12.5
87.5°	1.2	1.2	0.0	1.2	2.5	2.5	5.0	5.0	5.0	7.5	7.5
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: P244583

CATALOG NUMBER: LD8B50D010 ER8B50927 8LBSW0H

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	2560.6	2560.6	2560.6	2560.6	2560.6	2560.6	2560.6
2.5°	2538.1	2539.4	2534.4	2533.2	2530.7	2531.9	2534.4
5°	2491.9	2493.1	2488.2	2483.1	2483.1	2481.9	2483.1
7.5°	2448.1	2449.4	2441.8	2439.3	2434.4	2435.6	2435.6
10°	2404.4	2404.4	2393.1	2391.9	2388.0	2386.8	2386.8
12.5°	2361.8	2358.1	2349.3	2344.4	2346.9	2339.3	2339.3
15°	2324.4	2318.1	2306.8	2303.1	2296.8	2294.3	2294.3
17.5°	2285.5	2280.6	2270.6	2263.0	2255.5	2254.3	2255.5
20°	2248.1	2243.0	2230.5	2225.6	2219.3	2219.3	2216.8
22.5°	2210.5	2205.6	2194.3	2190.6	2181.8	2181.8	2183.1
25°	2171.8	2168.0	2155.5	2153.0	2151.8	2146.7	2149.3
27.5°	2119.3	2116.8	2106.8	2103.1	2098.0	2096.8	2099.2
30°	2023.0	2019.3	2011.7	2008.0	1999.2	2000.5	2003.0
32.5°	1902.9	1898.0	1888.0	1884.2	1876.7	1874.2	1875.5
35°	1753.0	1749.3	1740.5	1740.5	1733.0	1730.5	1733.0
37.5°	1600.4	1604.1	1600.4	1604.1	1600.4	1599.2	1600.4
40°	1456.6	1470.4	1472.9	1486.7	1481.6	1489.2	1487.9
42.5°	1319.1	1341.6	1350.3	1361.6	1359.1	1364.1	1367.9
45°	1180.2	1199.0	1207.8	1215.3	1216.6	1219.0	1220.3
47.5°	1049.0	1064.0	1065.3	1074.0	1072.8	1072.8	1076.5
50°	926.6	936.4	938.9	945.2	940.3	937.7	938.9
52.5°	812.7	822.7	820.1	822.7	816.5	813.9	815.2
55°	696.4	701.4	701.4	701.4	693.9	693.9	693.9
57.5°	577.7	578.9	576.4	577.7	576.4	568.9	567.7
60°	468.9	468.9	467.6	468.9	465.1	461.4	461.4
62.5°	366.3	368.9	373.8	368.9	366.3	368.9	365.1
65°	273.8	278.9	277.5	280.0	278.9	278.9	276.3
67.5°	206.3	207.6	208.8	210.0	210.0	210.0	210.0
70°	151.3	155.0	153.8	153.8	153.8	153.8	161.3
72.5°	101.2	106.3	105.1	107.6	107.6	110.0	107.6
75°	68.7	73.8	71.3	75.0	73.8	71.3	77.5
77.5°	46.2	48.8	50.1	51.3	50.1	48.8	50.1
80°	32.5	35.0	33.8	35.0	35.0	35.0	36.3
82.5°	20.0	23.7	22.5	23.7	22.5	23.7	23.7
85°	13.7	15.1	12.5	15.1	13.7	13.7	16.3
87.5°	8.8	7.5	7.5	8.8	7.5	8.8	7.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)