

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: P249064

Luminaire Tested: **LD8B60D010 ER8B609727 8LBSW0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P249064
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 ER8B609727 8LBSW0MW
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
97 CRI 2700 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4297.0 lumens
Efficiency: N/A
Efficacy: 72.2 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

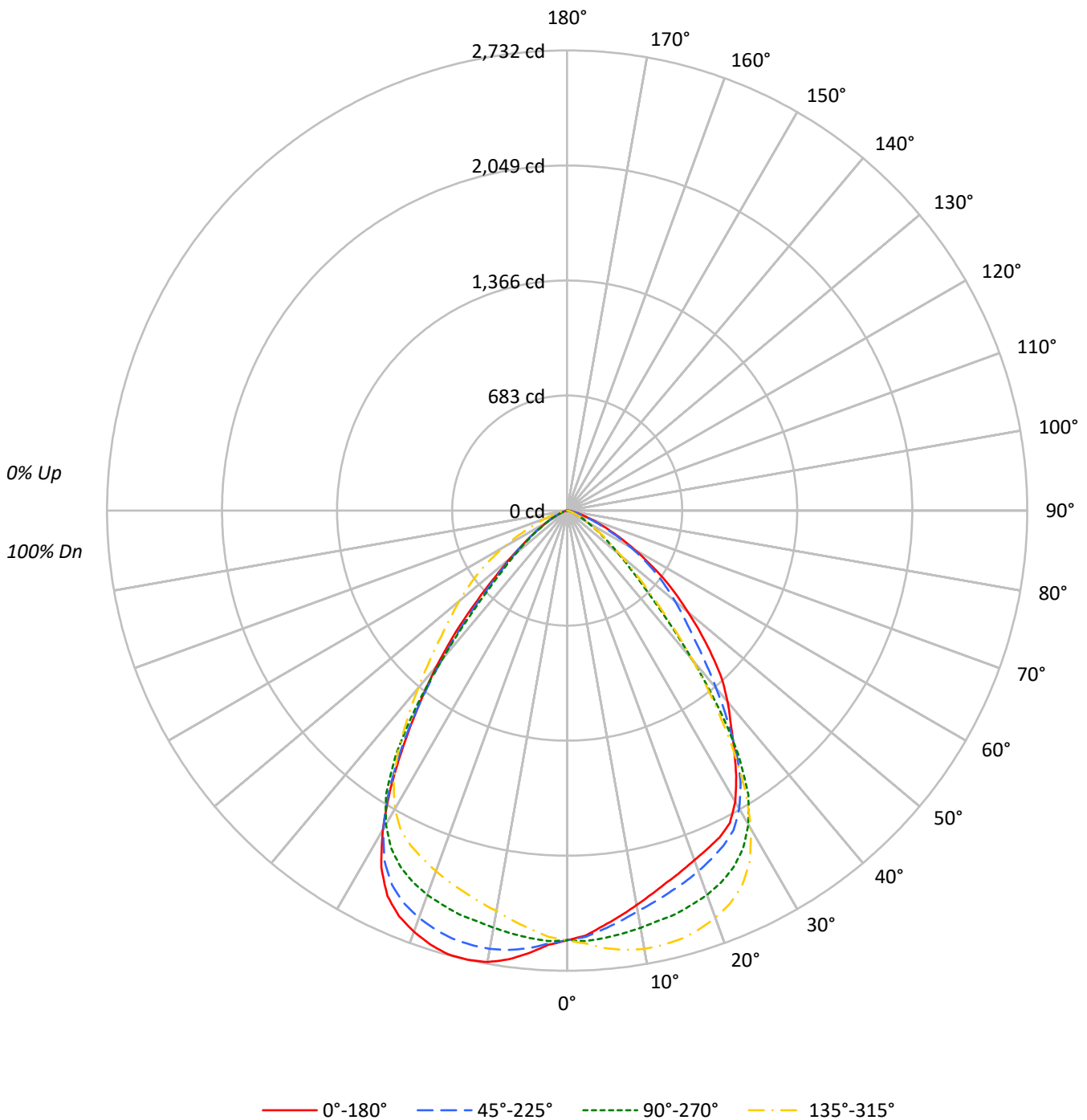
Input Watts (W): 59.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P249064

CATALOG NUMBER: LD8B60D010 ER8B609727 8LBSW0MW

Luminous Intensity Polar Plot





TEST NUMBER: P249064

CATALOG NUMBER: LD8B60D010 ER8B609727 8LBSW0MW

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°				



TEST NUMBER: P249064

CATALOG NUMBER: LD8B60D010 ER8B609727 8LBSW0MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	242.8	5.7
10°-20°	703.1	16.4
20°-30°	1064.7	24.8
30°-40°	1067.1	24.8
40°-50°	670.1	15.6
50°-60°	357.1	8.3
60°-70°	146.8	3.4
70°-80°	38.8	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°	2010.6	46.8
0°-40°	3077.7	71.6
0°-60°	4104.8	95.5
0°-90°	4297.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4297.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2551	2551	2551	2551	2551	
5°	2474	2547	2638	2547	2474	233
15°	2286	2481	2728	2481	2286	646
25°	2141	2337	2525	2337	2141	982
35°	1726	1775	1684	1775	1726	1082
45°	1216	650	752	650	1216	935
55°	691	240	254	240	691	616
65°	275	74	67	74	275	286
75°	77	15	12	15	77	87
85°	16	0	1	0	16	18
90°	0	0	0	0	0	



TEST NUMBER: P249064

CATALOG NUMBER: LD8B60D010 ER8B609727 8LBSW0MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	2551.0	2551.0	2551.0	2551.0	2551.0	2551.0	2551.0	2551.0	2551.0	2551.0	2551.0
2.5°	2524.8	2522.3	2521.1	2523.6	2524.8	2529.8	2528.6	2531.0	2531.0	2532.3	2534.8
5°	2473.8	2472.5	2473.8	2473.8	2478.8	2483.7	2482.5	2486.2	2488.7	2495.0	2497.4
7.5°	2426.5	2426.5	2425.2	2430.1	2432.7	2440.1	2438.9	2445.1	2448.9	2455.1	2463.8
10°	2377.9	2377.9	2379.1	2382.8	2384.1	2395.3	2395.3	2404.0	2409.0	2415.2	2426.5
12.5°	2330.5	2330.5	2338.0	2335.5	2340.5	2349.2	2352.9	2361.7	2369.1	2381.6	2392.8
15°	2285.7	2285.7	2288.2	2294.4	2298.1	2309.4	2315.6	2325.6	2334.3	2346.7	2362.9
17.5°	2247.1	2245.8	2247.1	2254.5	2262.0	2272.0	2277.0	2289.4	2298.1	2314.3	2329.3
20°	2208.5	2211.0	2211.0	2217.2	2222.1	2234.6	2239.6	2253.3	2263.3	2278.2	2295.7
22.5°	2174.8	2173.6	2173.6	2182.3	2186.1	2197.2	2202.2	2214.7	2225.9	2238.3	2254.5
25°	2141.2	2138.7	2143.7	2144.9	2147.4	2159.9	2163.6	2172.3	2183.5	2194.8	2211.0
27.5°	2091.4	2088.9	2090.1	2095.1	2098.8	2108.8	2111.3	2120.0	2128.7	2138.7	2152.4
30°	1995.4	1993.0	1991.7	2000.5	2004.2	2011.6	2015.4	2030.3	2032.8	2044.0	2054.0
32.5°	1868.4	1867.2	1869.7	1877.1	1880.8	1890.8	1895.8	1904.5	1910.7	1917.0	1926.9
35°	1726.4	1723.9	1726.4	1733.9	1733.9	1742.6	1746.4	1750.1	1748.8	1750.1	1747.6
37.5°	1594.4	1593.1	1594.4	1598.1	1594.4	1598.1	1594.4	1586.9	1573.2	1558.3	1543.3
40°	1482.3	1483.5	1476.1	1481.0	1467.3	1464.8	1451.1	1432.4	1405.1	1375.2	1332.8
42.5°	1362.7	1359.0	1354.0	1356.5	1345.3	1336.5	1314.1	1290.5	1255.6	1205.8	1154.7
45°	1215.7	1214.5	1212.0	1210.7	1203.3	1194.5	1175.8	1148.4	1109.8	1058.8	997.7
47.5°	1072.5	1068.7	1068.7	1070.0	1061.2	1060.0	1045.0	1021.4	987.8	937.9	874.4
50°	935.4	934.2	936.7	941.7	935.4	933.0	923.0	906.8	876.9	834.6	774.7
52.5°	812.1	810.9	813.4	819.6	817.1	819.6	809.7	797.2	777.3	736.1	683.8
55°	691.3	691.3	691.3	698.8	698.8	698.8	693.8	686.4	667.6	637.7	589.2
57.5°	565.5	566.7	574.2	575.5	574.2	576.7	575.5	568.0	555.6	534.4	497.0
60°	459.6	459.6	463.4	467.1	465.8	467.1	467.1	463.4	450.9	433.5	403.6
62.5°	363.7	367.5	364.9	367.5	372.4	367.5	364.9	362.5	353.8	342.5	317.6
65°	275.3	277.8	277.8	279.0	276.5	277.8	272.8	269.1	264.1	251.6	235.4
67.5°	209.3	209.3	209.3	209.3	208.0	206.8	205.5	201.8	193.1	188.1	170.6
70°	160.7	153.2	153.2	153.2	153.2	154.5	150.7	145.8	143.2	134.5	122.1
72.5°	107.1	109.6	107.1	107.1	104.6	105.9	100.9	98.4	95.9	91.0	83.5
75°	77.2	71.0	73.5	74.8	71.0	73.5	68.5	63.5	63.5	59.8	56.0
77.5°	49.8	48.6	49.8	51.1	49.8	48.6	46.1	43.6	43.6	42.3	38.6
80°	36.1	34.9	34.9	34.9	33.6	34.9	32.4	32.4	29.9	28.7	26.1
82.5°	23.7	23.7	22.4	23.7	22.4	23.7	19.9	19.9	19.9	18.7	16.2
85°	16.2	13.7	13.7	15.0	12.5	15.0	13.7	12.5	11.2	11.2	9.9
87.5°	7.5	8.7	7.5	8.7	7.5	7.5	8.7	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



TEST NUMBER: P249064

CATALOG NUMBER: LD8B60D010 ER8B609727 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	2551.0	2551.0	2551.0	2551.0	2551.0	2551.0	2551.0	2551.0	2551.0	2551.0	2551.0
2.5°	2538.5	2539.8	2539.8	2544.8	2547.3	2548.5	2548.5	2558.5	2554.7	2557.2	2559.7
5°	2502.4	2509.9	2512.4	2512.4	2526.1	2531.0	2536.0	2547.3	2548.5	2556.0	2564.7
7.5°	2467.5	2476.2	2481.3	2492.4	2501.2	2509.9	2524.8	2532.3	2539.8	2549.8	2560.9
10°	2433.9	2443.9	2453.8	2462.6	2476.2	2487.5	2497.4	2514.8	2523.6	2537.3	2552.2
12.5°	2401.5	2415.2	2423.9	2438.9	2453.8	2463.8	2478.8	2495.0	2508.6	2522.3	2539.8
15°	2372.9	2389.1	2399.0	2415.2	2431.4	2445.1	2461.3	2481.3	2491.2	2507.4	2523.6
17.5°	2341.7	2359.2	2371.7	2386.6	2406.5	2421.4	2435.2	2455.1	2467.5	2485.0	2503.7
20°	2309.4	2326.8	2341.7	2356.7	2376.6	2391.5	2407.7	2427.7	2441.4	2458.8	2473.8
22.5°	2270.8	2287.0	2303.1	2320.5	2340.5	2352.9	2371.7	2389.1	2404.0	2420.2	2435.2
25°	2220.9	2240.9	2253.3	2269.5	2285.7	2299.4	2319.3	2336.7	2349.2	2364.2	2377.9
27.5°	2162.4	2177.3	2187.3	2201.0	2217.2	2229.6	2244.6	2262.0	2274.5	2288.2	2298.1
30°	2062.7	2076.4	2085.2	2095.1	2111.3	2122.5	2135.0	2151.1	2159.9	2169.9	2178.6
32.5°	1931.9	1943.1	1948.1	1955.6	1966.8	1978.0	1988.0	2001.7	2005.4	2011.6	2011.6
35°	1742.6	1745.1	1743.8	1746.4	1751.3	1757.5	1766.3	1775.0	1779.9	1779.9	1776.3
37.5°	1520.9	1506.0	1489.8	1477.3	1473.6	1471.0	1476.1	1479.8	1484.8	1487.2	1481.0
40°	1290.5	1256.8	1220.7	1188.3	1165.9	1155.9	1152.2	1154.7	1154.7	1163.4	1163.4
42.5°	1092.4	1040.1	986.5	937.9	905.5	880.7	869.4	869.4	870.7	876.9	880.7
45°	928.0	862.0	799.7	746.1	701.3	668.9	653.9	650.2	649.0	651.4	660.2
47.5°	802.2	733.7	668.9	602.9	555.6	523.2	509.5	504.4	499.5	504.4	505.7
50°	703.8	632.8	564.3	498.2	448.4	419.7	402.3	394.8	393.6	393.6	396.1
52.5°	614.1	548.1	479.6	412.3	360.0	332.6	316.4	312.6	307.7	312.6	312.6
55°	529.4	463.4	396.1	332.6	289.0	260.3	245.4	240.4	237.9	241.6	241.6
57.5°	437.2	381.1	318.9	261.6	218.0	198.1	186.8	180.6	179.3	181.9	179.3
60°	358.7	311.4	257.8	205.5	171.9	150.7	142.0	139.5	137.0	139.5	139.5
62.5°	284.0	244.1	200.5	160.7	132.0	117.1	107.1	107.1	105.9	105.9	107.1
65°	210.5	179.3	148.2	114.6	92.2	81.0	73.5	73.5	72.2	73.5	72.2
67.5°	153.2	132.0	107.1	83.5	66.0	59.8	54.8	51.1	53.6	51.1	49.8
70°	112.1	94.6	77.2	63.5	51.1	44.9	41.1	39.8	37.4	37.4	37.4
72.5°	74.8	63.5	52.3	41.1	33.6	27.4	26.1	23.7	21.2	22.4	24.9
75°	49.8	42.3	37.4	29.9	22.4	22.4	15.0	15.0	12.5	15.0	11.2
77.5°	34.9	28.7	22.4	18.7	15.0	13.7	9.9	9.9	8.7	8.7	8.7
80°	24.9	21.2	16.2	13.7	9.9	9.9	8.7	7.5	6.2	6.2	7.5
82.5°	15.0	11.2	11.2	9.9	6.2	5.0	3.7	5.0	2.5	2.5	2.5
85°	8.7	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



TEST NUMBER: P249064

CATALOG NUMBER: LD8B60D010 ER8B609727 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	2551.0	2551.0	2551.0	2551.0	2551.0	2551.0	2551.0	2551.0	2551.0	2551.0	2551.0
2.5°	2566.0	2564.7	2567.2	2567.2	2574.7	2573.4	2577.1	2577.1	2574.7	2575.9	2580.9
5°	2574.7	2578.4	2585.9	2592.1	2603.3	2608.3	2614.5	2620.8	2622.0	2625.7	2629.5
7.5°	2574.7	2587.1	2595.9	2607.0	2622.0	2630.7	2644.4	2655.6	2660.6	2666.8	2674.3
10°	2569.7	2582.1	2598.3	2610.8	2629.5	2643.2	2656.9	2674.3	2681.8	2691.7	2701.7
12.5°	2559.7	2573.4	2590.8	2607.0	2628.2	2640.7	2658.1	2674.3	2685.5	2699.2	2710.4
15°	2544.8	2560.9	2577.1	2593.3	2615.7	2630.7	2646.9	2665.6	2676.8	2691.7	2701.7
17.5°	2521.1	2538.5	2553.5	2568.4	2589.6	2607.0	2622.0	2639.4	2650.7	2663.1	2676.8
20°	2492.4	2508.6	2524.8	2537.3	2558.5	2573.4	2589.6	2605.8	2614.5	2617.0	2638.2
22.5°	2456.3	2467.5	2480.0	2499.9	2512.4	2526.1	2541.0	2556.0	2564.7	2578.4	2585.9
25°	2396.5	2407.7	2421.4	2430.1	2445.1	2456.3	2471.3	2487.5	2492.4	2502.4	2509.9
27.5°	2313.1	2319.3	2325.6	2333.0	2341.7	2348.0	2356.7	2364.2	2369.1	2374.1	2379.1
30°	2181.0	2181.0	2181.0	2176.1	2179.8	2183.5	2184.8	2183.5	2183.5	2182.3	2182.3
32.5°	2006.7	1996.7	1985.5	1975.5	1971.8	1966.8	1964.3	1960.6	1954.4	1950.6	1951.9
35°	1771.2	1748.8	1735.1	1722.7	1712.7	1705.2	1701.5	1697.8	1696.5	1691.6	1686.5
37.5°	1477.3	1461.1	1451.1	1443.7	1434.9	1427.5	1428.7	1430.0	1433.7	1431.2	1432.4
40°	1165.9	1162.1	1165.9	1157.2	1154.7	1157.2	1163.4	1172.1	1177.1	1182.1	1190.8
42.5°	886.9	893.1	901.8	901.8	905.5	910.6	918.0	931.7	939.2	947.9	957.9
45°	667.6	675.1	686.4	690.0	692.6	698.8	707.5	718.7	723.7	731.2	739.9
47.5°	514.4	519.4	525.6	531.9	538.1	540.6	549.3	549.3	555.6	560.5	563.0
50°	401.1	406.1	411.0	414.8	417.3	421.0	423.5	427.2	428.5	431.0	432.2
52.5°	313.9	320.1	320.1	322.6	326.3	330.1	328.8	330.1	331.3	331.3	335.0
55°	245.4	245.4	249.1	249.1	251.6	250.4	251.6	251.6	251.6	251.6	252.9
57.5°	183.1	184.4	188.1	185.6	184.4	186.8	184.4	186.8	185.6	188.1	184.4
60°	140.7	140.7	142.0	142.0	143.2	143.2	143.2	142.0	142.0	140.7	140.7
62.5°	105.9	107.1	108.4	107.1	107.1	107.1	105.9	105.9	104.6	103.4	103.4
65°	71.0	69.8	72.2	69.8	71.0	71.0	69.8	71.0	67.3	68.5	67.3
67.5°	51.1	49.8	48.6	49.8	48.6	47.3	47.3	48.6	49.8	46.1	46.1
70°	33.6	34.9	33.6	34.9	36.1	36.1	34.9	33.6	34.9	32.4	33.6
72.5°	21.2	21.2	21.2	21.2	21.2	22.4	22.4	22.4	19.9	19.9	18.7
75°	9.9	13.7	11.2	9.9	13.7	13.7	12.5	12.5	11.2	11.2	11.2
77.5°	9.9	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: P249064

CATALOG NUMBER: LD8B60D010 ER8B609727 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	2551.0	2551.0	2551.0	2551.0	2551.0	2551.0	2551.0	2551.0	2551.0	2551.0	2551.0
2.5°	2579.7	2578.4	2579.7	2580.9	2579.7	2578.4	2579.7	2580.9	2575.9	2574.7	2577.1
5°	2634.5	2634.5	2636.9	2638.2	2636.9	2634.5	2634.5	2629.5	2625.7	2622.0	2620.8
7.5°	2681.8	2684.3	2686.8	2688.0	2686.8	2684.3	2681.8	2674.3	2666.8	2660.6	2655.6
10°	2710.4	2714.2	2719.2	2721.6	2719.2	2714.2	2710.4	2701.7	2691.7	2681.8	2674.3
12.5°	2722.9	2726.6	2732.8	2731.6	2732.8	2726.6	2722.9	2710.4	2699.2	2685.5	2674.3
15°	2714.2	2719.2	2725.4	2727.9	2725.4	2719.2	2714.2	2701.7	2691.7	2676.8	2665.6
17.5°	2686.8	2694.2	2698.0	2701.7	2698.0	2694.2	2686.8	2676.8	2663.1	2650.7	2639.4
20°	2649.4	2654.4	2659.4	2660.6	2659.4	2654.4	2649.4	2638.2	2617.0	2614.5	2605.8
22.5°	2595.9	2599.6	2610.8	2607.0	2610.8	2599.6	2595.9	2585.9	2578.4	2564.7	2556.0
25°	2518.6	2522.3	2523.6	2524.8	2523.6	2522.3	2518.6	2509.9	2502.4	2492.4	2487.5
27.5°	2385.3	2385.3	2387.8	2389.1	2387.8	2385.3	2385.3	2379.1	2374.1	2369.1	2364.2
30°	2183.5	2183.5	2183.5	2189.8	2183.5	2183.5	2183.5	2182.3	2182.3	2183.5	2183.5
32.5°	1950.6	1948.1	1945.6	1948.1	1945.6	1948.1	1950.6	1951.9	1950.6	1954.4	1960.6
35°	1686.5	1685.3	1689.0	1684.1	1689.0	1685.3	1686.5	1686.5	1691.6	1696.5	1697.8
37.5°	1433.7	1431.2	1436.2	1431.2	1436.2	1431.2	1433.7	1432.4	1431.2	1433.7	1430.0
40°	1193.3	1195.8	1195.8	1205.8	1195.8	1195.8	1193.3	1190.8	1182.1	1177.1	1172.1
42.5°	962.9	970.3	967.8	975.3	967.8	970.3	962.9	957.9	947.9	939.2	931.7
45°	744.9	749.9	749.9	752.3	749.9	749.9	744.9	739.9	731.2	723.7	718.7
47.5°	571.7	571.7	571.7	573.0	571.7	571.7	571.7	563.0	560.5	555.6	549.3
50°	434.7	435.9	437.2	438.5	437.2	435.9	434.7	432.2	431.0	428.5	427.2
52.5°	333.8	335.0	332.6	335.0	332.6	335.0	333.8	335.0	331.3	331.3	330.1
55°	252.9	251.6	252.9	254.1	252.9	251.6	252.9	252.9	251.6	251.6	251.6
57.5°	185.6	183.1	183.1	183.1	183.1	183.1	185.6	184.4	188.1	185.6	186.8
60°	138.3	139.5	139.5	140.7	139.5	139.5	138.3	140.7	140.7	142.0	142.0
62.5°	102.1	105.9	103.4	105.9	103.4	105.9	102.1	103.4	103.4	104.6	105.9
65°	66.0	66.0	66.0	67.3	66.0	66.0	66.0	67.3	68.5	67.3	71.0
67.5°	44.9	46.1	48.6	47.3	48.6	46.1	44.9	46.1	46.1	49.8	48.6
70°	36.1	32.4	32.4	36.1	32.4	32.4	36.1	33.6	32.4	34.9	33.6
72.5°	21.2	18.7	21.2	21.2	21.2	18.7	21.2	18.7	19.9	19.9	22.4
75°	11.2	9.9	8.7	12.5	8.7	9.9	11.2	11.2	11.2	11.2	12.5
77.5°	7.5	6.2	8.7	8.7	8.7	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: P249064

CATALOG NUMBER: LD8B60D010 ER8B609727 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	2551.0	2551.0	2551.0	2551.0	2551.0	2551.0	2551.0	2551.0	2551.0	2551.0	2551.0
2.5°	2577.1	2573.4	2574.7	2567.2	2567.2	2564.7	2566.0	2559.7	2557.2	2554.7	2558.5
5°	2614.5	2608.3	2603.3	2592.1	2585.9	2578.4	2574.7	2564.7	2556.0	2548.5	2547.3
7.5°	2644.4	2630.7	2622.0	2607.0	2595.9	2587.1	2574.7	2560.9	2549.8	2539.8	2532.3
10°	2656.9	2643.2	2629.5	2610.8	2598.3	2582.1	2569.7	2552.2	2537.3	2523.6	2514.8
12.5°	2658.1	2640.7	2628.2	2607.0	2590.8	2573.4	2559.7	2539.8	2522.3	2508.6	2495.0
15°	2646.9	2630.7	2615.7	2593.3	2577.1	2560.9	2544.8	2523.6	2507.4	2491.2	2481.3
17.5°	2622.0	2607.0	2589.6	2568.4	2553.5	2538.5	2521.1	2503.7	2485.0	2467.5	2455.1
20°	2589.6	2573.4	2558.5	2537.3	2524.8	2508.6	2492.4	2473.8	2458.8	2441.4	2427.7
22.5°	2541.0	2526.1	2512.4	2499.9	2480.0	2467.5	2456.3	2435.2	2420.2	2404.0	2389.1
25°	2471.3	2456.3	2445.1	2430.1	2421.4	2407.7	2396.5	2377.9	2364.2	2349.2	2336.7
27.5°	2356.7	2348.0	2341.7	2333.0	2325.6	2319.3	2313.1	2298.1	2288.2	2274.5	2262.0
30°	2184.8	2183.5	2179.8	2176.1	2181.0	2181.0	2181.0	2178.6	2169.9	2159.9	2151.1
32.5°	1964.3	1966.8	1971.8	1975.5	1985.5	1996.7	2006.7	2011.6	2011.6	2005.4	2001.7
35°	1701.5	1705.2	1712.7	1722.7	1735.1	1748.8	1771.2	1776.3	1779.9	1779.9	1775.0
37.5°	1428.7	1427.5	1434.9	1443.7	1451.1	1461.1	1477.3	1481.0	1487.2	1484.8	1479.8
40°	1163.4	1157.2	1154.7	1157.2	1165.9	1162.1	1165.9	1163.4	1163.4	1154.7	1154.7
42.5°	918.0	910.6	905.5	901.8	901.8	893.1	886.9	880.7	876.9	870.7	869.4
45°	707.5	698.8	692.6	690.0	686.4	675.1	667.6	660.2	651.4	649.0	650.2
47.5°	549.3	540.6	538.1	531.9	525.6	519.4	514.4	505.7	504.4	499.5	504.4
50°	423.5	421.0	417.3	414.8	411.0	406.1	401.1	396.1	393.6	393.6	394.8
52.5°	328.8	330.1	326.3	322.6	320.1	320.1	313.9	312.6	312.6	307.7	312.6
55°	251.6	250.4	251.6	249.1	249.1	245.4	245.4	241.6	241.6	237.9	240.4
57.5°	184.4	186.8	184.4	185.6	188.1	184.4	183.1	179.3	181.9	179.3	180.6
60°	143.2	143.2	143.2	142.0	142.0	140.7	140.7	139.5	139.5	137.0	139.5
62.5°	105.9	107.1	107.1	107.1	108.4	107.1	105.9	107.1	105.9	105.9	107.1
65°	69.8	71.0	71.0	69.8	72.2	69.8	71.0	72.2	73.5	72.2	73.5
67.5°	47.3	47.3	48.6	49.8	48.6	49.8	51.1	49.8	51.1	53.6	51.1
70°	34.9	36.1	36.1	34.9	33.6	34.9	33.6	37.4	37.4	37.4	39.8
72.5°	22.4	22.4	21.2	21.2	21.2	21.2	21.2	24.9	22.4	21.2	23.7
75°	12.5	13.7	13.7	9.9	11.2	13.7	9.9	11.2	15.0	12.5	15.0
77.5°	7.5	7.5	7.5	7.5	7.5	7.5	9.9	8.7	8.7	8.7	9.9
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: P249064

CATALOG NUMBER: LD8B60D010 ER8B609727 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	2551.0	2551.0	2551.0	2551.0	2551.0	2551.0	2551.0	2551.0	2551.0	2551.0	2551.0
2.5°	2548.5	2548.5	2547.3	2544.8	2539.8	2539.8	2538.5	2534.8	2532.3	2531.0	2531.0
5°	2536.0	2531.0	2526.1	2512.4	2512.4	2509.9	2502.4	2497.4	2495.0	2488.7	2486.2
7.5°	2524.8	2509.9	2501.2	2492.4	2481.3	2476.2	2467.5	2463.8	2455.1	2448.9	2445.1
10°	2497.4	2487.5	2476.2	2462.6	2453.8	2443.9	2433.9	2426.5	2415.2	2409.0	2404.0
12.5°	2478.8	2463.8	2453.8	2438.9	2423.9	2415.2	2401.5	2392.8	2381.6	2369.1	2361.7
15°	2461.3	2445.1	2431.4	2415.2	2399.0	2389.1	2372.9	2362.9	2346.7	2334.3	2325.6
17.5°	2435.2	2421.4	2406.5	2386.6	2371.7	2359.2	2341.7	2329.3	2314.3	2298.1	2289.4
20°	2407.7	2391.5	2376.6	2356.7	2341.7	2326.8	2309.4	2295.7	2278.2	2263.3	2253.3
22.5°	2371.7	2352.9	2340.5	2320.5	2303.1	2287.0	2270.8	2254.5	2238.3	2225.9	2214.7
25°	2319.3	2299.4	2285.7	2269.5	2253.3	2240.9	2220.9	2211.0	2194.8	2183.5	2172.3
27.5°	2244.6	2229.6	2217.2	2201.0	2187.3	2177.3	2162.4	2152.4	2138.7	2128.7	2120.0
30°	2135.0	2122.5	2111.3	2095.1	2085.2	2076.4	2062.7	2054.0	2044.0	2032.8	2030.3
32.5°	1988.0	1978.0	1966.8	1955.6	1948.1	1943.1	1931.9	1926.9	1917.0	1910.7	1904.5
35°	1766.3	1757.5	1751.3	1746.4	1743.8	1745.1	1742.6	1747.6	1750.1	1748.8	1750.1
37.5°	1476.1	1471.0	1473.6	1477.3	1489.8	1506.0	1520.9	1543.3	1558.3	1573.2	1586.9
40°	1152.2	1155.9	1165.9	1188.3	1220.7	1256.8	1290.5	1332.8	1375.2	1405.1	1432.4
42.5°	869.4	880.7	905.5	937.9	986.5	1040.1	1092.4	1154.7	1205.8	1255.6	1290.5
45°	653.9	668.9	701.3	746.1	799.7	862.0	928.0	997.7	1058.8	1109.8	1148.4
47.5°	509.5	523.2	555.6	602.9	668.9	733.7	802.2	874.4	937.9	987.8	1021.4
50°	402.3	419.7	448.4	498.2	564.3	632.8	703.8	774.7	834.6	876.9	906.8
52.5°	316.4	332.6	360.0	412.3	479.6	548.1	614.1	683.8	736.1	777.3	797.2
55°	245.4	260.3	289.0	332.6	396.1	463.4	529.4	589.2	637.7	667.6	686.4
57.5°	186.8	198.1	218.0	261.6	318.9	381.1	437.2	497.0	534.4	555.6	568.0
60°	142.0	150.7	171.9	205.5	257.8	311.4	358.7	403.6	433.5	450.9	463.4
62.5°	107.1	117.1	132.0	160.7	200.5	244.1	284.0	317.6	342.5	353.8	362.5
65°	73.5	81.0	92.2	114.6	148.2	179.3	210.5	235.4	251.6	264.1	269.1
67.5°	54.8	59.8	66.0	83.5	107.1	132.0	153.2	170.6	188.1	193.1	201.8
70°	41.1	44.9	51.1	63.5	77.2	94.6	112.1	122.1	134.5	143.2	145.8
72.5°	26.1	27.4	33.6	41.1	52.3	63.5	74.8	83.5	91.0	95.9	98.4
75°	15.0	22.4	22.4	29.9	37.4	42.3	49.8	56.0	59.8	63.5	63.5
77.5°	9.9	13.7	15.0	18.7	22.4	28.7	34.9	38.6	42.3	43.6	43.6
80°	8.7	9.9	9.9	13.7	16.2	21.2	24.9	26.1	28.7	29.9	32.4
82.5°	3.7	5.0	6.2	9.9	11.2	11.2	15.0	16.2	18.7	19.9	19.9
85°	1.2	2.5	2.5	3.7	6.2	7.5	8.7	9.9	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: P249064

CATALOG NUMBER: LD8B60D010 ER8B609727 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	2551.0	2551.0	2551.0	2551.0	2551.0	2551.0	2551.0
2.5°	2528.6	2529.8	2524.8	2523.6	2521.1	2522.3	2524.8
5°	2482.5	2483.7	2478.8	2473.8	2473.8	2472.5	2473.8
7.5°	2438.9	2440.1	2432.7	2430.1	2425.2	2426.5	2426.5
10°	2395.3	2395.3	2384.1	2382.8	2379.1	2377.9	2377.9
12.5°	2352.9	2349.2	2340.5	2335.5	2338.0	2330.5	2330.5
15°	2315.6	2309.4	2298.1	2294.4	2288.2	2285.7	2285.7
17.5°	2277.0	2272.0	2262.0	2254.5	2247.1	2245.8	2247.1
20°	2239.6	2234.6	2222.1	2217.2	2211.0	2211.0	2208.5
22.5°	2202.2	2197.2	2186.1	2182.3	2173.6	2173.6	2174.8
25°	2163.6	2159.9	2147.4	2144.9	2143.7	2138.7	2141.2
27.5°	2111.3	2108.8	2098.8	2095.1	2090.1	2088.9	2091.4
30°	2015.4	2011.6	2004.2	2000.5	1991.7	1993.0	1995.4
32.5°	1895.8	1890.8	1880.8	1877.1	1869.7	1867.2	1868.4
35°	1746.4	1742.6	1733.9	1733.9	1726.4	1723.9	1726.4
37.5°	1594.4	1598.1	1594.4	1598.1	1594.4	1593.1	1594.4
40°	1451.1	1464.8	1467.3	1481.0	1476.1	1483.5	1482.3
42.5°	1314.1	1336.5	1345.3	1356.5	1354.0	1359.0	1362.7
45°	1175.8	1194.5	1203.3	1210.7	1212.0	1214.5	1215.7
47.5°	1045.0	1060.0	1061.2	1070.0	1068.7	1068.7	1072.5
50°	923.0	933.0	935.4	941.7	936.7	934.2	935.4
52.5°	809.7	819.6	817.1	819.6	813.4	810.9	812.1
55°	693.8	698.8	698.8	698.8	691.3	691.3	691.3
57.5°	575.5	576.7	574.2	575.5	574.2	566.7	565.5
60°	467.1	467.1	465.8	467.1	463.4	459.6	459.6
62.5°	364.9	367.5	372.4	367.5	364.9	367.5	363.7
65°	272.8	277.8	276.5	279.0	277.8	277.8	275.3
67.5°	205.5	206.8	208.0	209.3	209.3	209.3	209.3
70°	150.7	154.5	153.2	153.2	153.2	153.2	160.7
72.5°	100.9	105.9	104.6	107.1	107.1	109.6	107.1
75°	68.5	73.5	71.0	74.8	73.5	71.0	77.2
77.5°	46.1	48.6	49.8	51.1	49.8	48.6	49.8
80°	32.4	34.9	33.6	34.9	34.9	34.9	36.1
82.5°	19.9	23.7	22.4	23.7	22.4	23.7	23.7
85°	13.7	15.0	12.5	15.0	13.7	13.7	16.2
87.5°	8.7	7.5	7.5	8.7	7.5	8.7	7.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)