

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: P248958

Luminaire Tested: **LSR8B80D010 EC8B80927 8LBSW0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248958
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: LSR8B80D010 EC8B80927 8LBSW0B
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT- CYLINDEC
97 CRI 2700 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5009.6 lumens
Efficiency: N/A
Efficacy: 67.3 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

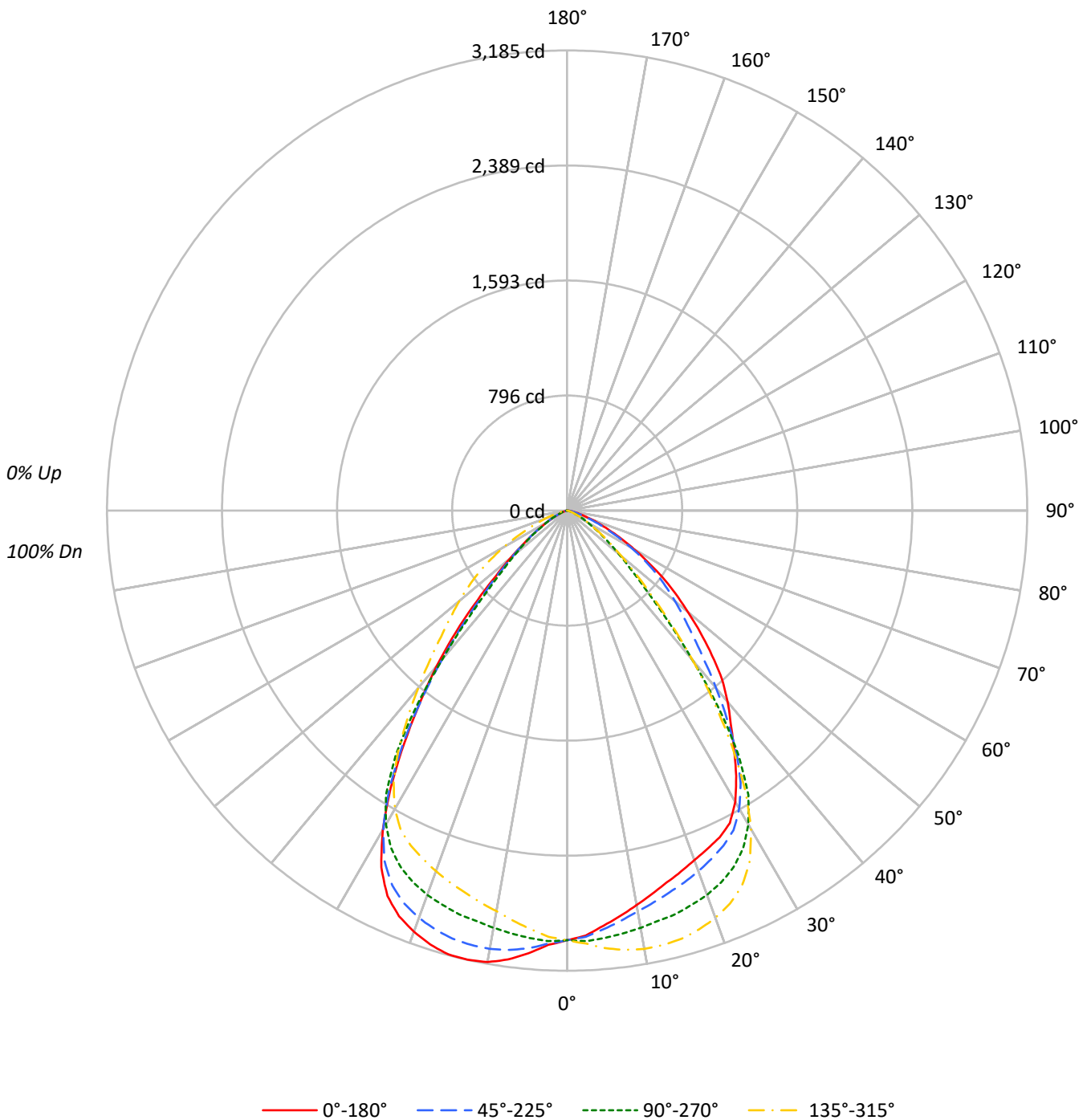
Input Watts (W): 74.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	283.1	5.7
10°-20°	819.7	16.4
20°-30°	1241.2	24.8
30°-40°	1244.0	24.8
40°-50°	781.2	15.6
50°-60°	416.3	8.3
60°-70°	171.2	3.4
70°-80°	45.2	0.9
80°-90°	7.7	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°	2344.0	46.8
0°-40°	3588.1	71.6
0°-60°	4785.6	95.5
0°-90°	5009.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5009.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2974	2974	2974	2974	2974	
5°	2884	2970	3076	2970	2884	272
15°	2665	2893	3180	2893	2665	754
25°	2496	2724	2944	2724	2496	1145
35°	2013	2069	1963	2069	2013	1261
45°	1417	758	877	758	1417	1090
55°	806	280	296	280	806	719
65°	321	86	78	86	321	333
75°	90	17	14	17	90	102
85°	19	0	2	0	19	21
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°	2974.0	2974.0	2974.0	2974.0	2974.0	2974.0	2974.0	2974.0	2974.0	2974.0	2974.0
2.5°	2943.6	2940.6	2939.2	2942.1	2943.6	2949.4	2948.0	2950.8	2950.8	2952.3	2955.2
5°	2884.0	2882.6	2884.0	2884.0	2889.8	2895.6	2894.2	2898.6	2901.5	2908.7	2911.6
7.5°	2828.8	2828.8	2827.4	2833.2	2836.1	2844.8	2843.3	2850.6	2855.0	2862.2	2872.4
10°	2772.2	2772.2	2773.7	2778.0	2779.5	2792.5	2792.5	2802.7	2808.5	2815.8	2828.8
12.5°	2717.0	2717.0	2725.8	2722.8	2728.6	2738.8	2743.2	2753.3	2762.0	2776.6	2789.7
15°	2664.8	2664.8	2667.7	2674.9	2679.3	2692.4	2699.5	2711.2	2721.4	2735.9	2754.8
17.5°	2619.7	2618.3	2619.7	2628.5	2637.2	2648.8	2654.5	2669.1	2679.3	2698.2	2715.6
20°	2574.7	2577.6	2577.6	2584.9	2590.6	2605.2	2611.0	2627.0	2638.6	2656.0	2676.4
22.5°	2535.5	2534.1	2534.1	2544.2	2548.6	2561.6	2567.5	2582.0	2595.0	2609.5	2628.5
25°	2496.3	2493.3	2499.2	2500.6	2503.6	2518.1	2522.4	2532.6	2545.6	2558.7	2577.6
27.5°	2438.2	2435.3	2436.8	2442.6	2446.9	2458.5	2461.5	2471.6	2481.8	2493.3	2509.4
30°	2326.4	2323.5	2322.0	2332.2	2336.6	2345.3	2349.6	2367.1	2369.9	2383.0	2394.6
32.5°	2178.2	2176.8	2179.7	2188.4	2192.7	2204.4	2210.2	2220.4	2227.6	2234.9	2246.5
35°	2012.7	2009.8	2012.7	2021.5	2021.5	2031.6	2036.0	2040.3	2038.8	2040.3	2037.4
37.5°	1858.8	1857.4	1858.8	1863.1	1858.8	1863.1	1858.8	1850.1	1834.1	1816.6	1799.2
40°	1728.1	1729.6	1720.9	1726.6	1710.7	1707.8	1691.8	1670.0	1638.1	1603.2	1553.9
42.5°	1588.7	1584.3	1578.5	1581.4	1568.4	1558.1	1532.0	1504.5	1463.7	1405.7	1346.2
45°	1417.4	1415.9	1413.0	1411.5	1402.8	1392.6	1370.8	1338.9	1293.9	1234.4	1163.1
47.5°	1250.3	1245.9	1245.9	1247.4	1237.3	1235.8	1218.4	1190.8	1151.6	1093.5	1019.5
50°	1090.6	1089.1	1092.0	1097.9	1090.6	1087.6	1076.1	1057.2	1022.4	973.0	903.3
52.5°	946.8	945.3	948.3	955.6	952.6	955.6	944.0	929.4	906.2	858.3	797.3
55°	805.9	805.9	805.9	814.6	814.6	814.6	808.9	800.2	778.4	743.5	686.9
57.5°	659.2	660.7	669.5	670.8	669.5	672.4	670.8	662.2	647.7	623.0	579.5
60°	535.8	535.8	540.2	544.6	543.2	544.6	544.6	540.2	525.7	505.4	470.6
62.5°	424.0	428.4	425.5	428.4	434.1	428.4	425.5	422.6	412.4	399.4	370.2
65°	321.0	323.9	323.9	325.2	322.3	323.9	318.0	313.7	307.9	293.4	274.5
67.5°	244.0	244.0	244.0	244.0	242.6	241.1	239.6	235.2	225.1	219.3	198.9
70°	187.3	178.6	178.6	178.6	178.6	180.1	175.7	170.0	167.0	156.8	142.3
72.5°	124.9	127.8	124.9	124.9	122.0	123.4	117.7	114.8	111.8	106.1	97.3
75°	90.0	82.8	85.6	87.2	82.8	85.6	79.9	74.0	74.0	69.8	65.4
77.5°	58.0	56.7	58.0	59.5	58.0	56.7	53.8	50.8	50.8	49.4	45.0
80°	42.2	40.6	40.6	40.6	39.3	40.6	37.8	37.8	34.9	33.4	30.5
82.5°	27.6	27.6	26.1	27.6	26.1	27.6	23.3	23.3	23.3	21.7	18.9
85°	18.9	16.0	16.0	17.4	14.5	17.4	16.0	14.5	13.0	13.0	11.6
87.5°	8.8	10.1	8.8	10.1	8.8	8.8	10.1	8.8	8.8	5.9	5.9
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°	2974.0	2974.0	2974.0	2974.0	2974.0	2974.0	2974.0	2974.0	2974.0	2974.0	2974.0
2.5°	2959.5	2961.0	2961.0	2966.8	2969.7	2971.1	2971.1	2982.8	2978.4	2981.4	2984.2
5°	2917.5	2926.1	2929.0	2929.0	2945.0	2950.8	2956.6	2969.7	2971.1	2979.9	2990.0
7.5°	2876.7	2886.9	2892.7	2905.8	2916.0	2926.1	2943.6	2952.3	2961.0	2972.6	2985.6
10°	2837.6	2849.2	2860.8	2871.0	2886.9	2900.0	2911.6	2931.9	2942.1	2958.1	2975.5
12.5°	2799.8	2815.8	2825.9	2843.3	2860.8	2872.4	2889.8	2908.7	2924.7	2940.6	2961.0
15°	2766.4	2785.3	2796.9	2815.8	2834.7	2850.6	2869.5	2892.7	2904.4	2923.2	2942.1
17.5°	2730.0	2750.4	2765.0	2782.4	2805.6	2823.0	2839.0	2862.2	2876.7	2897.1	2918.9
20°	2692.4	2712.7	2730.0	2747.5	2770.8	2788.2	2807.1	2830.3	2846.2	2866.6	2884.0
22.5°	2647.4	2666.2	2685.0	2705.4	2728.6	2743.2	2765.0	2785.3	2802.7	2821.6	2839.0
25°	2589.2	2612.5	2627.0	2645.9	2664.8	2680.6	2703.9	2724.3	2738.8	2756.2	2772.2
27.5°	2521.0	2538.5	2550.0	2566.0	2584.9	2599.4	2616.8	2637.2	2651.7	2667.7	2679.3
30°	2404.8	2420.8	2431.0	2442.6	2461.5	2474.5	2489.1	2507.8	2518.1	2529.7	2539.9
32.5°	2252.2	2265.4	2271.2	2279.9	2293.0	2306.0	2317.7	2333.7	2338.0	2345.3	2345.3
35°	2031.6	2034.4	2033.1	2036.0	2041.8	2049.0	2059.2	2069.3	2075.2	2075.2	2070.8
37.5°	1773.1	1755.7	1736.8	1722.3	1717.9	1715.0	1720.9	1725.2	1731.0	1733.8	1726.6
40°	1504.5	1465.3	1423.1	1385.3	1359.2	1347.6	1343.2	1346.2	1346.2	1356.3	1356.3
42.5°	1273.6	1212.5	1150.2	1093.5	1055.7	1026.7	1013.6	1013.6	1015.1	1022.4	1026.7
45°	1081.9	1004.8	932.3	869.8	817.5	779.8	762.4	758.0	756.6	759.5	769.6
47.5°	935.2	855.3	779.8	702.9	647.7	610.0	594.0	588.2	582.3	588.2	589.6
50°	820.5	737.7	657.9	580.8	522.8	489.4	469.0	460.4	458.9	458.9	461.8
52.5°	715.9	639.0	559.1	480.7	419.6	387.8	368.9	364.5	358.7	364.5	364.5
55°	617.2	540.2	461.8	387.8	336.8	303.5	286.1	280.2	277.3	281.7	281.7
57.5°	509.7	444.4	371.8	305.0	254.1	230.8	217.8	210.6	209.1	212.1	209.1
60°	418.3	363.0	300.6	239.6	200.4	175.7	165.6	162.7	159.8	162.7	162.7
62.5°	331.1	284.6	233.8	187.3	153.9	136.6	124.9	124.9	123.4	123.4	124.9
65°	245.5	209.1	172.8	133.5	107.4	94.4	85.6	85.6	84.3	85.6	84.3
67.5°	178.6	153.9	124.9	97.3	77.0	69.8	63.9	59.5	62.4	59.5	58.0
70°	130.7	110.4	90.0	74.0	59.5	52.3	47.9	46.5	43.5	43.5	43.5
72.5°	87.2	74.0	61.0	47.9	39.3	32.0	30.5	27.6	24.6	26.1	29.0
75°	58.0	49.4	43.5	34.9	26.1	26.1	17.4	17.4	14.5	17.4	13.0
77.5°	40.6	33.4	26.1	21.7	17.4	16.0	11.6	11.6	10.1	10.1	10.1
80°	29.0	24.6	18.9	16.0	11.6	11.6	10.1	8.8	7.2	7.2	8.8
82.5°	17.4	13.0	13.0	11.6	7.2	5.9	4.4	5.9	2.9	2.9	2.9
85°	10.1	8.8	7.2	4.4	2.9	2.9	1.5	0.0	1.5	1.5	0.0
87.5°	5.9	2.9	2.9	1.5	0.0	1.5	1.5	0.0	0.0	0.0	2.9
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°	2974.0	2974.0	2974.0	2974.0	2974.0	2974.0	2974.0	2974.0	2974.0	2974.0	2974.0
2.5°	2991.5	2990.0	2993.0	2993.0	3001.7	3000.2	3004.5	3004.5	3001.7	3003.1	3008.9
5°	3001.7	3006.0	3014.7	3022.0	3035.0	3040.9	3048.1	3055.4	3056.8	3061.2	3065.5
7.5°	3001.7	3016.2	3026.4	3039.4	3056.8	3067.0	3083.0	3096.0	3101.8	3109.0	3117.8
10°	2995.8	3010.4	3029.2	3043.8	3065.5	3081.5	3097.5	3117.8	3126.5	3138.2	3149.8
12.5°	2984.2	3000.2	3020.5	3039.4	3064.0	3078.6	3098.9	3117.8	3130.9	3146.8	3159.9
15°	2966.8	2985.6	3004.5	3023.4	3049.5	3067.0	3085.9	3107.7	3120.8	3138.2	3149.8
17.5°	2939.2	2959.5	2977.0	2994.4	3019.0	3039.4	3056.8	3077.2	3090.3	3104.8	3120.8
20°	2905.8	2924.7	2943.6	2958.1	2982.8	3000.2	3019.0	3038.0	3048.1	3051.0	3075.8
22.5°	2863.7	2876.7	2891.2	2914.5	2929.0	2945.0	2962.5	2979.9	2990.0	3006.0	3014.7
25°	2793.9	2807.1	2823.0	2833.2	2850.6	2863.7	2881.1	2900.0	2905.8	2917.5	2926.1
27.5°	2696.7	2703.9	2711.2	2719.9	2730.0	2737.4	2747.5	2756.2	2762.0	2767.8	2773.7
30°	2542.7	2542.7	2542.7	2537.0	2541.3	2545.6	2547.1	2545.6	2545.6	2544.2	2544.2
32.5°	2339.4	2327.8	2314.8	2303.2	2298.8	2293.0	2290.0	2285.7	2278.5	2274.1	2275.5
35°	2064.9	2038.8	2022.9	2008.4	1996.8	1988.0	1983.7	1979.3	1977.9	1972.1	1966.3
37.5°	1722.3	1703.4	1691.8	1683.1	1672.9	1664.2	1665.7	1667.1	1671.4	1668.6	1670.0
40°	1359.2	1354.8	1359.2	1349.1	1346.2	1349.1	1356.3	1366.5	1372.3	1378.1	1388.2
42.5°	1034.0	1041.2	1051.4	1051.4	1055.7	1061.6	1070.2	1086.3	1095.0	1105.1	1116.8
45°	778.4	787.1	800.2	804.5	807.4	814.6	824.8	837.9	843.6	852.4	862.5
47.5°	599.7	605.6	612.8	620.1	627.3	630.2	640.4	640.4	647.7	653.5	656.3
50°	467.6	473.4	479.2	483.5	486.4	490.8	493.8	498.0	499.5	502.4	503.9
52.5°	366.0	373.3	373.3	376.1	380.5	384.9	383.4	384.9	386.2	386.2	390.6
55°	286.1	286.1	290.5	290.5	293.4	291.8	293.4	293.4	293.4	293.4	294.8
57.5°	213.4	215.0	219.3	216.3	215.0	217.8	215.0	217.8	216.3	219.3	215.0
60°	164.0	164.0	165.6	165.6	167.0	167.0	167.0	165.6	165.6	164.0	164.0
62.5°	123.4	124.9	126.3	124.9	124.9	124.9	123.4	123.4	122.0	120.5	120.5
65°	82.8	81.3	84.3	81.3	82.8	82.8	81.3	82.8	78.4	79.9	78.4
67.5°	59.5	58.0	56.7	58.0	56.7	55.1	55.1	56.7	58.0	53.8	53.8
70°	39.3	40.6	39.3	40.6	42.2	42.2	40.6	39.3	40.6	37.8	39.3
72.5°	24.6	24.6	24.6	24.6	24.6	26.1	26.1	26.1	23.3	23.3	21.7
75°	11.6	16.0	13.0	11.6	16.0	16.0	14.5	14.5	13.0	13.0	13.0
77.5°	11.6	8.8	8.8	8.8	8.8	8.8	8.8	8.8	7.2	8.8	7.2
80°	5.9	5.9	5.9	4.4	5.9	5.9	7.2	5.9	5.9	4.4	7.2
82.5°	2.9	2.9	2.9	0.0	1.5	2.9	2.9	1.5	2.9	2.9	1.5
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: P248958

CATALOG NUMBER: LSR8B80D010 EC8B80927 8LBSW0B

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	2974.0	2974.0	2974.0	2974.0	2974.0	2974.0	2974.0	2974.0	2974.0	2974.0	2974.0
2.5°	3007.5	3006.0	3007.5	3008.9	3007.5	3006.0	3007.5	3008.9	3003.1	3001.7	3004.5
5°	3071.4	3071.4	3074.3	3075.8	3074.3	3071.4	3071.4	3065.5	3061.2	3056.8	3055.4
7.5°	3126.5	3129.4	3132.3	3133.8	3132.3	3129.4	3126.5	3117.8	3109.0	3101.8	3096.0
10°	3159.9	3164.3	3170.1	3173.0	3170.1	3164.3	3159.9	3149.8	3138.2	3126.5	3117.8
12.5°	3174.5	3178.8	3186.1	3184.6	3186.1	3178.8	3174.5	3159.9	3146.8	3130.9	3117.8
15°	3164.3	3170.1	3177.3	3180.3	3177.3	3170.1	3164.3	3149.8	3138.2	3120.8	3107.7
17.5°	3132.3	3141.1	3145.4	3149.8	3145.4	3141.1	3132.3	3120.8	3104.8	3090.3	3077.2
20°	3088.8	3094.6	3100.4	3101.8	3100.4	3094.6	3088.8	3075.8	3051.0	3048.1	3038.0
22.5°	3026.4	3030.8	3043.8	3039.4	3043.8	3030.8	3026.4	3014.7	3006.0	2990.0	2979.9
25°	2936.2	2940.6	2942.1	2943.6	2942.1	2940.6	2936.2	2926.1	2917.5	2905.8	2900.0
27.5°	2780.9	2780.9	2783.8	2785.3	2783.8	2780.9	2780.9	2773.7	2767.8	2762.0	2756.2
30°	2545.6	2545.6	2545.6	2553.0	2545.6	2545.6	2545.6	2544.2	2544.2	2545.6	2545.6
32.5°	2274.1	2271.2	2268.3	2271.2	2268.3	2271.2	2274.1	2275.5	2274.1	2278.5	2285.7
35°	1966.3	1964.8	1969.2	1963.4	1969.2	1964.8	1966.3	1966.3	1972.1	1977.9	1979.3
37.5°	1671.4	1668.6	1674.3	1668.6	1674.3	1668.6	1671.4	1670.0	1668.6	1671.4	1667.1
40°	1391.2	1394.1	1394.1	1405.7	1394.1	1394.1	1391.2	1388.2	1378.1	1372.3	1366.5
42.5°	1122.5	1131.3	1128.4	1137.0	1128.4	1131.3	1122.5	1116.8	1105.1	1095.0	1086.3
45°	868.4	874.2	874.2	877.0	874.2	874.2	868.4	862.5	852.4	843.6	837.9
47.5°	666.6	666.6	666.6	668.0	666.6	666.6	666.6	656.3	653.5	647.7	640.4
50°	506.8	508.3	509.7	511.2	509.7	508.3	506.8	503.9	502.4	499.5	498.0
52.5°	389.1	390.6	387.8	390.6	387.8	390.6	389.1	390.6	386.2	386.2	384.9
55°	294.8	293.4	294.8	296.2	294.8	293.4	294.8	294.8	293.4	293.4	293.4
57.5°	216.3	213.4	213.4	213.4	213.4	213.4	216.3	215.0	219.3	216.3	217.8
60°	161.2	162.7	162.7	164.0	162.7	162.7	161.2	164.0	164.0	165.6	165.6
62.5°	119.0	123.4	120.5	123.4	120.5	123.4	119.0	120.5	120.5	122.0	123.4
65°	77.0	77.0	77.0	78.4	77.0	77.0	77.0	78.4	79.9	78.4	82.8
67.5°	52.3	53.8	56.7	55.1	56.7	53.8	52.3	53.8	53.8	58.0	56.7
70°	42.2	37.8	37.8	42.2	37.8	37.8	42.2	39.3	37.8	40.6	39.3
72.5°	24.6	21.7	24.6	24.6	24.6	21.7	24.6	21.7	23.3	23.3	26.1
75°	13.0	11.6	10.1	14.5	10.1	11.6	13.0	13.0	13.0	13.0	14.5
77.5°	8.8	7.2	10.1	10.1	10.1	7.2	8.8	7.2	8.8	7.2	8.8
80°	4.4	5.9	4.4	7.2	4.4	5.9	4.4	7.2	4.4	5.9	5.9
82.5°	1.5	2.9	2.9	2.9	2.9	2.9	1.5	1.5	2.9	2.9	1.5
85°	0.0	2.9	1.5	1.5	1.5	2.9	0.0	0.0	0.0	0.0	0.0
87.5°	1.5	0.0	0.0	1.5	0.0	0.0	1.5	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: P248958

CATALOG NUMBER: LSR8B80D010 EC8B80927 8LBSW0B

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	2974.0	2974.0	2974.0	2974.0	2974.0	2974.0	2974.0	2974.0	2974.0	2974.0	2974.0
2.5°	3004.5	3000.2	3001.7	2993.0	2993.0	2990.0	2991.5	2984.2	2981.4	2978.4	2982.8
5°	3048.1	3040.9	3035.0	3022.0	3014.7	3006.0	3001.7	2990.0	2979.9	2971.1	2969.7
7.5°	3083.0	3067.0	3056.8	3039.4	3026.4	3016.2	3001.7	2985.6	2972.6	2961.0	2952.3
10°	3097.5	3081.5	3065.5	3043.8	3029.2	3010.4	2995.8	2975.5	2958.1	2942.1	2931.9
12.5°	3098.9	3078.6	3064.0	3039.4	3020.5	3000.2	2984.2	2961.0	2940.6	2924.7	2908.7
15°	3085.9	3067.0	3049.5	3023.4	3004.5	2985.6	2966.8	2942.1	2923.2	2904.4	2892.7
17.5°	3056.8	3039.4	3019.0	2994.4	2977.0	2959.5	2939.2	2918.9	2897.1	2876.7	2862.2
20°	3019.0	3000.2	2982.8	2958.1	2943.6	2924.7	2905.8	2884.0	2866.6	2846.2	2830.3
22.5°	2962.5	2945.0	2929.0	2914.5	2891.2	2876.7	2863.7	2839.0	2821.6	2802.7	2785.3
25°	2881.1	2863.7	2850.6	2833.2	2823.0	2807.1	2793.9	2772.2	2756.2	2738.8	2724.3
27.5°	2747.5	2737.4	2730.0	2719.9	2711.2	2703.9	2696.7	2679.3	2667.7	2651.7	2637.2
30°	2547.1	2545.6	2541.3	2537.0	2542.7	2542.7	2542.7	2539.9	2529.7	2518.1	2507.8
32.5°	2290.0	2293.0	2298.8	2303.2	2314.8	2327.8	2339.4	2345.3	2345.3	2338.0	2333.7
35°	1983.7	1988.0	1996.8	2008.4	2022.9	2038.8	2064.9	2070.8	2075.2	2075.2	2069.3
37.5°	1665.7	1664.2	1672.9	1683.1	1691.8	1703.4	1722.3	1726.6	1733.8	1731.0	1725.2
40°	1356.3	1349.1	1346.2	1349.1	1359.2	1354.8	1359.2	1356.3	1356.3	1346.2	1346.2
42.5°	1070.2	1061.6	1055.7	1051.4	1051.4	1041.2	1034.0	1026.7	1022.4	1015.1	1013.6
45°	824.8	814.6	807.4	804.5	800.2	787.1	778.4	769.6	759.5	756.6	758.0
47.5°	640.4	630.2	627.3	620.1	612.8	605.6	599.7	589.6	588.2	582.3	588.2
50°	493.8	490.8	486.4	483.5	479.2	473.4	467.6	461.8	458.9	458.9	460.4
52.5°	383.4	384.9	380.5	376.1	373.3	373.3	366.0	364.5	364.5	358.7	364.5
55°	293.4	291.8	293.4	290.5	290.5	286.1	286.1	281.7	281.7	277.3	280.2
57.5°	215.0	217.8	215.0	216.3	219.3	215.0	213.4	209.1	212.1	209.1	210.6
60°	167.0	167.0	167.0	165.6	165.6	164.0	164.0	162.7	162.7	159.8	162.7
62.5°	123.4	124.9	124.9	124.9	126.3	124.9	123.4	124.9	123.4	123.4	124.9
65°	81.3	82.8	82.8	81.3	84.3	81.3	82.8	84.3	85.6	84.3	85.6
67.5°	55.1	55.1	56.7	58.0	56.7	58.0	59.5	58.0	59.5	62.4	59.5
70°	40.6	42.2	42.2	40.6	39.3	40.6	39.3	43.5	43.5	43.5	46.5
72.5°	26.1	26.1	24.6	24.6	24.6	24.6	24.6	29.0	26.1	24.6	27.6
75°	14.5	16.0	16.0	11.6	13.0	16.0	11.6	13.0	17.4	14.5	17.4
77.5°	8.8	8.8	8.8	8.8	8.8	8.8	11.6	10.1	10.1	10.1	11.6
80°	7.2	5.9	5.9	4.4	5.9	5.9	5.9	8.8	7.2	7.2	8.8
82.5°	2.9	2.9	1.5	0.0	2.9	2.9	2.9	2.9	2.9	2.9	5.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	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: P248958

CATALOG NUMBER: LSR8B80D010 EC8B80927 8LBSW0B

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	2974.0	2974.0	2974.0	2974.0	2974.0	2974.0	2974.0	2974.0	2974.0	2974.0	2974.0
2.5°	2971.1	2971.1	2969.7	2966.8	2961.0	2961.0	2959.5	2955.2	2952.3	2950.8	2950.8
5°	2956.6	2950.8	2945.0	2929.0	2929.0	2926.1	2917.5	2911.6	2908.7	2901.5	2898.6
7.5°	2943.6	2926.1	2916.0	2905.8	2892.7	2886.9	2876.7	2872.4	2862.2	2855.0	2850.6
10°	2911.6	2900.0	2886.9	2871.0	2860.8	2849.2	2837.6	2828.8	2815.8	2808.5	2802.7
12.5°	2889.8	2872.4	2860.8	2843.3	2825.9	2815.8	2799.8	2789.7	2776.6	2762.0	2753.3
15°	2869.5	2850.6	2834.7	2815.8	2796.9	2785.3	2766.4	2754.8	2735.9	2721.4	2711.2
17.5°	2839.0	2823.0	2805.6	2782.4	2765.0	2750.4	2730.0	2715.6	2698.2	2679.3	2669.1
20°	2807.1	2788.2	2770.8	2747.5	2730.0	2712.7	2692.4	2676.4	2656.0	2638.6	2627.0
22.5°	2765.0	2743.2	2728.6	2705.4	2685.0	2666.2	2647.4	2628.5	2609.5	2595.0	2582.0
25°	2703.9	2680.6	2664.8	2645.9	2627.0	2612.5	2589.2	2577.6	2558.7	2545.6	2532.6
27.5°	2616.8	2599.4	2584.9	2566.0	2550.0	2538.5	2521.0	2509.4	2493.3	2481.8	2471.6
30°	2489.1	2474.5	2461.5	2442.6	2431.0	2420.8	2404.8	2394.6	2383.0	2369.9	2367.1
32.5°	2317.7	2306.0	2293.0	2279.9	2271.2	2265.4	2252.2	2246.5	2234.9	2227.6	2220.4
35°	2059.2	2049.0	2041.8	2036.0	2033.1	2034.4	2031.6	2037.4	2040.3	2038.8	2040.3
37.5°	1720.9	1715.0	1717.9	1722.3	1736.8	1755.7	1773.1	1799.2	1816.6	1834.1	1850.1
40°	1343.2	1347.6	1359.2	1385.3	1423.1	1465.3	1504.5	1553.9	1603.2	1638.1	1670.0
42.5°	1013.6	1026.7	1055.7	1093.5	1150.2	1212.5	1273.6	1346.2	1405.7	1463.7	1504.5
45°	762.4	779.8	817.5	869.8	932.3	1004.8	1081.9	1163.1	1234.4	1293.9	1338.9
47.5°	594.0	610.0	647.7	702.9	779.8	855.3	935.2	1019.5	1093.5	1151.6	1190.8
50°	469.0	489.4	522.8	580.8	657.9	737.7	820.5	903.3	973.0	1022.4	1057.2
52.5°	368.9	387.8	419.6	480.7	559.1	639.0	715.9	797.3	858.3	906.2	929.4
55°	286.1	303.5	336.8	387.8	461.8	540.2	617.2	686.9	743.5	778.4	800.2
57.5°	217.8	230.8	254.1	305.0	371.8	444.4	509.7	579.5	623.0	647.7	662.2
60°	165.6	175.7	200.4	239.6	300.6	363.0	418.3	470.6	505.4	525.7	540.2
62.5°	124.9	136.6	153.9	187.3	233.8	284.6	331.1	370.2	399.4	412.4	422.6
65°	85.6	94.4	107.4	133.5	172.8	209.1	245.5	274.5	293.4	307.9	313.7
67.5°	63.9	69.8	77.0	97.3	124.9	153.9	178.6	198.9	219.3	225.1	235.2
70°	47.9	52.3	59.5	74.0	90.0	110.4	130.7	142.3	156.8	167.0	170.0
72.5°	30.5	32.0	39.3	47.9	61.0	74.0	87.2	97.3	106.1	111.8	114.8
75°	17.4	26.1	26.1	34.9	43.5	49.4	58.0	65.4	69.8	74.0	74.0
77.5°	11.6	16.0	17.4	21.7	26.1	33.4	40.6	45.0	49.4	50.8	50.8
80°	10.1	11.6	11.6	16.0	18.9	24.6	29.0	30.5	33.4	34.9	37.8
82.5°	4.4	5.9	7.2	11.6	13.0	13.0	17.4	18.9	21.7	23.3	23.3
85°	1.5	2.9	2.9	4.4	7.2	8.8	10.1	11.6	13.0	13.0	14.5
87.5°	1.5	1.5	0.0	1.5	2.9	2.9	5.9	5.9	5.9	8.8	8.8
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: P248958

CATALOG NUMBER: LSR8B80D010 EC8B80927 8LBSW0B

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	2974.0	2974.0	2974.0	2974.0	2974.0	2974.0	2974.0
2.5°	2948.0	2949.4	2943.6	2942.1	2939.2	2940.6	2943.6
5°	2894.2	2895.6	2889.8	2884.0	2884.0	2882.6	2884.0
7.5°	2843.3	2844.8	2836.1	2833.2	2827.4	2828.8	2828.8
10°	2792.5	2792.5	2779.5	2778.0	2773.7	2772.2	2772.2
12.5°	2743.2	2738.8	2728.6	2722.8	2725.8	2717.0	2717.0
15°	2699.5	2692.4	2679.3	2674.9	2667.7	2664.8	2664.8
17.5°	2654.5	2648.8	2637.2	2628.5	2619.7	2618.3	2619.7
20°	2611.0	2605.2	2590.6	2584.9	2577.6	2577.6	2574.7
22.5°	2567.5	2561.6	2548.6	2544.2	2534.1	2534.1	2535.5
25°	2522.4	2518.1	2503.6	2500.6	2499.2	2493.3	2496.3
27.5°	2461.5	2458.5	2446.9	2442.6	2436.8	2435.3	2438.2
30°	2349.6	2345.3	2336.6	2332.2	2322.0	2323.5	2326.4
32.5°	2210.2	2204.4	2192.7	2188.4	2179.7	2176.8	2178.2
35°	2036.0	2031.6	2021.5	2021.5	2012.7	2009.8	2012.7
37.5°	1858.8	1863.1	1858.8	1863.1	1858.8	1857.4	1858.8
40°	1691.8	1707.8	1710.7	1726.6	1720.9	1729.6	1728.1
42.5°	1532.0	1558.1	1568.4	1581.4	1578.5	1584.3	1588.7
45°	1370.8	1392.6	1402.8	1411.5	1413.0	1415.9	1417.4
47.5°	1218.4	1235.8	1237.3	1247.4	1245.9	1245.9	1250.3
50°	1076.1	1087.6	1090.6	1097.9	1092.0	1089.1	1090.6
52.5°	944.0	955.6	952.6	955.6	948.3	945.3	946.8
55°	808.9	814.6	814.6	814.6	805.9	805.9	805.9
57.5°	670.8	672.4	669.5	670.8	669.5	660.7	659.2
60°	544.6	544.6	543.2	544.6	540.2	535.8	535.8
62.5°	425.5	428.4	434.1	428.4	425.5	428.4	424.0
65°	318.0	323.9	322.3	325.2	323.9	323.9	321.0
67.5°	239.6	241.1	242.6	244.0	244.0	244.0	244.0
70°	175.7	180.1	178.6	178.6	178.6	178.6	187.3
72.5°	117.7	123.4	122.0	124.9	124.9	127.8	124.9
75°	79.9	85.6	82.8	87.2	85.6	82.8	90.0
77.5°	53.8	56.7	58.0	59.5	58.0	56.7	58.0
80°	37.8	40.6	39.3	40.6	40.6	40.6	42.2
82.5°	23.3	27.6	26.1	27.6	26.1	27.6	27.6
85°	16.0	17.4	14.5	17.4	16.0	16.0	18.9
87.5°	10.1	8.8	8.8	10.1	8.8	10.1	8.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)