

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: P248948

Luminaire Tested: **LSR8B70D010 EC8B70950 8LBSW0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248948
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: LSR8B70D010 EC8B70950 8LBSW0B
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT- CYLINDEC
90 CRI 5000 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5305.0 lumens
Efficiency: N/A
Efficacy: 69.9 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

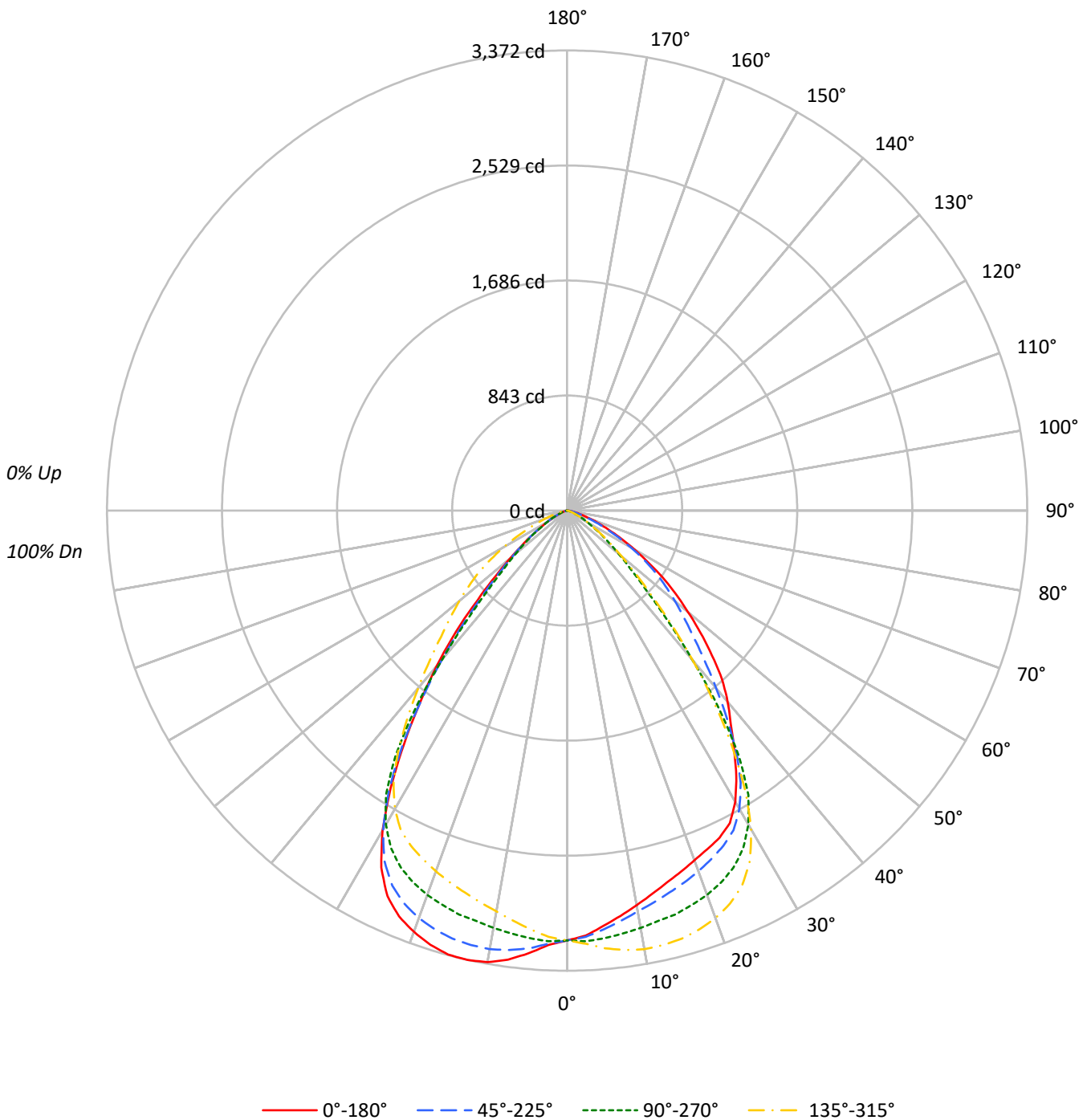
Input Watts (W): 75.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	97116	97116	97116	97116
5°	94537	97344	100821	97344
10°	91923	97218	105211	97218
15°	90083	97793	107514	97793
20°	89471	98354	107788	98354
25°	89943	98156	106057	98156
30°	87717	94564	96263	94564
35°	80235	82490	78266	82490
40°	73665	57382	59922	57382
45°	65453	35005	40504	35005
50°	55404	23387	25968	23387
55°	45885	15956	16865	15956
60°	34999	10620	10719	10620
65°	24793	6618	6056	6618
70°	17888	4436	4021	4436
75°	11354	2204	1835	2204
80°	7920	1634	1367	1634
85°	7076	0	531	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	299.8	5.7
10°-20°	868.1	16.4
20°-30°	1314.4	24.8
30°-40°	1317.4	24.8
40°-50°	827.3	15.6
50°-60°	440.8	8.3
60°-70°	181.3	3.4
70°-80°	47.9	0.9
80°-90°	8.1	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°	2482.3	46.8
0°-40°	3799.6	71.6
0°-60°	5067.7	95.5
0°-90°	5305.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5305.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3149	3149	3149	3149	3149	
5°	3054	3145	3257	3145	3054	288
15°	2822	3063	3368	3063	2822	798
25°	2644	2885	3117	2885	2644	1212
35°	2131	2191	2079	2191	2131	1335
45°	1501	803	929	803	1501	1154
55°	854	297	314	297	854	761
65°	340	91	83	91	340	353
75°	95	18	15	18	95	108
85°	20	0	2	0	20	22
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°	3149.4	3149.4	3149.4	3149.4	3149.4	3149.4	3149.4	3149.4	3149.4	3149.4	3149.4
2.5°	3117.1	3114.0	3112.5	3115.6	3117.1	3123.3	3121.7	3124.8	3124.8	3126.4	3129.4
5°	3054.1	3052.5	3054.1	3054.1	3060.2	3066.4	3064.8	3069.5	3072.5	3080.2	3083.3
7.5°	2995.7	2995.7	2994.1	3000.2	3003.3	3012.6	3011.0	3018.7	3023.3	3031.0	3041.7
10°	2935.7	2935.7	2937.2	2941.8	2943.4	2957.2	2957.2	2967.9	2974.1	2981.8	2995.7
12.5°	2877.2	2877.2	2886.5	2883.4	2889.5	2900.3	2904.9	2915.7	2924.9	2940.3	2954.1
15°	2821.8	2821.8	2824.9	2832.6	2837.2	2851.1	2858.8	2871.1	2881.9	2897.2	2917.2
17.5°	2774.2	2772.7	2774.2	2783.4	2792.7	2804.9	2811.1	2826.5	2837.2	2857.2	2875.7
20°	2726.5	2729.6	2729.6	2737.3	2743.4	2758.8	2764.9	2781.9	2794.2	2812.6	2834.2
22.5°	2685.0	2683.5	2683.5	2694.2	2698.9	2712.7	2718.8	2734.2	2748.0	2763.4	2783.4
25°	2643.5	2640.4	2646.6	2648.1	2651.1	2666.5	2671.1	2681.9	2695.8	2709.6	2729.6
27.5°	2582.0	2578.9	2580.4	2586.6	2591.2	2603.5	2606.6	2617.3	2628.1	2640.4	2657.3
30°	2463.5	2460.5	2459.0	2469.7	2474.3	2483.5	2488.1	2506.6	2509.7	2523.5	2535.8
32.5°	2306.7	2305.2	2308.3	2317.4	2322.1	2334.4	2340.5	2351.3	2359.0	2366.7	2379.0
35°	2131.4	2128.3	2131.4	2140.6	2140.6	2151.4	2156.0	2160.6	2159.1	2160.6	2157.5
37.5°	1968.4	1966.8	1968.4	1973.0	1968.4	1973.0	1968.4	1959.2	1942.3	1923.8	1905.3
40°	1830.0	1831.5	1822.3	1828.5	1811.5	1808.5	1791.6	1768.5	1734.7	1697.8	1645.5
42.5°	1682.4	1677.8	1671.6	1674.7	1660.9	1650.0	1622.4	1593.2	1550.1	1488.6	1425.5
45°	1500.9	1499.4	1496.3	1494.8	1485.5	1474.8	1451.7	1417.9	1370.2	1307.1	1231.8
47.5°	1324.0	1319.4	1319.4	1320.9	1310.2	1308.7	1290.2	1261.0	1219.5	1158.0	1079.5
50°	1154.9	1153.3	1156.4	1162.6	1154.9	1151.8	1139.5	1119.5	1082.6	1030.4	956.5
52.5°	1002.6	1001.1	1004.2	1011.9	1008.8	1011.9	999.6	984.2	959.6	908.8	844.3
55°	853.5	853.5	853.5	862.7	862.7	862.7	856.5	847.4	824.3	787.4	727.4
57.5°	698.2	699.7	708.9	710.4	708.9	712.0	710.4	701.2	685.9	659.7	613.6
60°	567.5	567.5	572.1	576.7	575.1	576.7	576.7	572.1	556.7	535.2	498.3
62.5°	449.0	453.7	450.5	453.7	459.8	453.7	450.5	447.5	436.7	422.9	392.1
65°	339.8	342.9	342.9	344.5	341.4	342.9	336.8	332.2	326.0	310.7	290.7
67.5°	258.4	258.4	258.4	258.4	256.8	255.3	253.8	249.1	238.4	232.2	210.7
70°	198.4	189.1	189.1	189.1	189.1	190.7	186.1	180.0	176.9	166.1	150.7
72.5°	132.2	135.3	132.2	132.2	129.2	130.7	124.6	121.5	118.4	112.3	103.0
75°	95.3	87.7	90.7	92.3	87.7	90.7	84.6	78.4	78.4	73.8	69.2
77.5°	61.5	60.0	61.5	63.0	61.5	60.0	56.9	53.8	53.8	52.3	47.7
80°	44.6	43.0	43.0	43.0	41.5	43.0	40.0	40.0	36.9	35.4	32.3
82.5°	29.2	29.2	27.7	29.2	27.7	29.2	24.6	24.6	24.6	23.0	20.0
85°	20.0	16.9	16.9	18.5	15.4	18.5	16.9	15.4	13.9	13.9	12.3
87.5°	9.2	10.8	9.2	10.8	9.2	9.2	10.8	9.2	9.2	6.1	6.1
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°	3149.4	3149.4	3149.4	3149.4	3149.4	3149.4	3149.4	3149.4	3149.4	3149.4	3149.4
2.5°	3134.0	3135.5	3135.5	3141.8	3144.8	3146.3	3146.3	3158.7	3154.0	3157.1	3160.2
5°	3089.5	3098.6	3101.7	3101.7	3118.6	3124.8	3130.9	3144.8	3146.3	3155.6	3166.3
7.5°	3046.4	3057.1	3063.3	3077.1	3087.9	3098.6	3117.1	3126.4	3135.5	3147.9	3161.7
10°	3004.8	3017.2	3029.5	3040.2	3057.1	3071.0	3083.3	3104.8	3115.6	3132.5	3150.9
12.5°	2964.9	2981.8	2992.6	3011.0	3029.5	3041.7	3060.2	3080.2	3097.1	3114.0	3135.5
15°	2929.5	2949.5	2961.8	2981.8	3001.8	3018.7	3038.7	3063.3	3075.6	3095.6	3115.6
17.5°	2891.0	2912.6	2928.0	2946.4	2971.0	2989.5	3006.4	3031.0	3046.4	3067.9	3091.0
20°	2851.1	2872.6	2891.0	2909.5	2934.1	2952.6	2972.6	2997.2	3014.1	3035.6	3054.1
22.5°	2803.4	2823.4	2843.4	2864.9	2889.5	2904.9	2928.0	2949.5	2967.9	2987.9	3006.4
25°	2741.9	2766.5	2781.9	2801.8	2821.8	2838.7	2863.4	2884.9	2900.3	2918.8	2935.7
27.5°	2669.6	2688.1	2700.4	2717.3	2737.3	2752.7	2771.1	2792.7	2808.0	2824.9	2837.2
30°	2546.6	2563.5	2574.3	2586.6	2606.6	2620.4	2635.8	2655.8	2666.5	2678.9	2689.6
32.5°	2385.1	2399.0	2405.1	2414.3	2428.2	2442.0	2454.3	2471.2	2475.9	2483.5	2483.5
35°	2151.4	2154.4	2152.9	2156.0	2162.2	2169.8	2180.6	2191.3	2197.5	2197.5	2192.9
37.5°	1877.6	1859.2	1839.2	1823.8	1819.2	1816.1	1822.3	1826.9	1833.1	1836.1	1828.5
40°	1593.2	1551.7	1507.0	1467.0	1439.4	1427.1	1422.5	1425.5	1425.5	1436.3	1436.3
42.5°	1348.7	1284.0	1218.0	1158.0	1118.0	1087.3	1073.4	1073.4	1074.9	1082.6	1087.3
45°	1145.7	1064.2	987.2	921.2	865.8	825.8	807.4	802.7	801.2	804.3	815.0
47.5°	990.3	905.8	825.8	744.3	685.9	645.9	629.0	622.8	616.6	622.8	624.4
50°	868.9	781.2	696.6	615.1	553.6	518.2	496.7	487.5	485.9	485.9	489.0
52.5°	758.1	676.6	592.1	509.0	444.4	410.6	390.6	386.0	379.8	386.0	386.0
55°	653.5	572.1	489.0	410.6	356.7	321.4	302.9	296.8	293.7	298.3	298.3
57.5°	539.8	470.6	393.7	322.9	269.1	244.5	230.7	223.0	221.4	224.5	221.4
60°	442.9	384.5	318.3	253.8	212.2	186.1	175.3	172.2	169.1	172.2	172.2
62.5°	350.6	301.4	247.6	198.4	163.0	144.6	132.2	132.2	130.7	130.7	132.2
65°	259.9	221.4	183.0	141.5	113.8	99.9	90.7	90.7	89.2	90.7	89.2
67.5°	189.1	163.0	132.2	103.0	81.5	73.8	67.7	63.0	66.1	63.0	61.5
70°	138.4	116.8	95.3	78.4	63.0	55.4	50.8	49.2	46.1	46.1	46.1
72.5°	92.3	78.4	64.6	50.8	41.5	33.8	32.3	29.2	26.1	27.7	30.8
75°	61.5	52.3	46.1	36.9	27.7	27.7	18.5	18.5	15.4	18.5	13.9
77.5°	43.0	35.4	27.7	23.0	18.5	16.9	12.3	12.3	10.8	10.8	10.8
80°	30.8	26.1	20.0	16.9	12.3	12.3	10.8	9.2	7.7	7.7	9.2
82.5°	18.5	13.9	13.9	12.3	7.7	6.1	4.6	6.1	3.1	3.1	3.1
85°	10.8	9.2	7.7	4.6	3.1	3.1	1.5	0.0	1.5	1.5	0.0
87.5°	6.1	3.1	3.1	1.5	0.0	1.5	1.5	0.0	0.0	0.0	3.1
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°	3149.4	3149.4	3149.4	3149.4	3149.4	3149.4	3149.4	3149.4	3149.4	3149.4	3149.4
2.5°	3167.9	3166.3	3169.4	3169.4	3178.7	3177.1	3181.7	3181.7	3178.7	3180.2	3186.3
5°	3178.7	3183.3	3192.5	3200.2	3214.0	3220.2	3227.8	3235.6	3237.1	3241.7	3246.3
7.5°	3178.7	3194.0	3204.8	3218.6	3237.1	3247.8	3264.7	3278.6	3284.7	3292.4	3301.6
10°	3172.5	3187.8	3207.8	3223.2	3246.3	3263.2	3280.1	3301.6	3310.9	3323.2	3335.5
12.5°	3160.2	3177.1	3198.6	3218.6	3244.7	3260.1	3281.6	3301.6	3315.5	3332.4	3346.3
15°	3141.8	3161.7	3181.7	3201.7	3229.4	3247.8	3267.8	3290.9	3304.7	3323.2	3335.5
17.5°	3112.5	3134.0	3152.5	3170.9	3197.1	3218.6	3237.1	3258.6	3272.5	3287.8	3304.7
20°	3077.1	3097.1	3117.1	3132.5	3158.7	3177.1	3197.1	3217.1	3227.8	3230.9	3257.1
22.5°	3032.6	3046.4	3061.7	3086.4	3101.7	3118.6	3137.1	3155.6	3166.3	3183.3	3192.5
25°	2958.7	2972.6	2989.5	3000.2	3018.7	3032.6	3051.0	3071.0	3077.1	3089.5	3098.6
27.5°	2855.7	2863.4	2871.1	2880.3	2891.0	2898.8	2909.5	2918.8	2924.9	2931.0	2937.2
30°	2692.7	2692.7	2692.7	2686.5	2691.1	2695.8	2697.3	2695.8	2695.8	2694.2	2694.2
32.5°	2477.4	2465.1	2451.2	2439.0	2434.3	2428.2	2425.1	2420.5	2412.8	2408.2	2409.7
35°	2186.7	2159.1	2142.2	2126.8	2114.5	2105.3	2100.6	2096.0	2094.5	2088.4	2082.2
37.5°	1823.8	1803.8	1791.6	1782.3	1771.6	1762.3	1763.8	1765.4	1770.0	1766.9	1768.5
40°	1439.4	1434.8	1439.4	1428.6	1425.5	1428.6	1436.3	1447.1	1453.2	1459.4	1470.1
42.5°	1094.9	1102.6	1113.4	1113.4	1118.0	1124.2	1133.3	1150.3	1159.5	1170.2	1182.6
45°	824.3	833.5	847.4	851.9	855.0	862.7	873.5	887.3	893.4	902.7	913.4
47.5°	635.1	641.3	648.9	656.6	664.3	667.4	678.2	678.2	685.9	692.0	695.1
50°	495.2	501.3	507.5	512.1	515.2	519.8	522.8	527.5	529.0	532.1	533.6
52.5°	387.5	395.2	395.2	398.3	402.9	407.5	406.0	407.5	409.0	409.0	413.6
55°	302.9	302.9	307.6	307.6	310.7	309.1	310.7	310.7	310.7	310.7	312.2
57.5°	226.0	227.6	232.2	229.1	227.6	230.7	227.6	230.7	229.1	232.2	227.6
60°	173.8	173.8	175.3	175.3	176.9	176.9	176.9	175.3	175.3	173.8	173.8
62.5°	130.7	132.2	133.8	132.2	132.2	132.2	130.7	130.7	129.2	127.6	127.6
65°	87.7	86.1	89.2	86.1	87.7	87.7	86.1	87.7	83.0	84.6	83.0
67.5°	63.0	61.5	60.0	61.5	60.0	58.4	58.4	60.0	61.5	56.9	56.9
70°	41.5	43.0	41.5	43.0	44.6	44.6	43.0	41.5	43.0	40.0	41.5
72.5°	26.1	26.1	26.1	26.1	26.1	27.7	27.7	27.7	24.6	24.6	23.0
75°	12.3	16.9	13.9	12.3	16.9	16.9	15.4	15.4	13.9	13.9	13.9
77.5°	12.3	9.2	9.2	9.2	9.2	9.2	9.2	9.2	7.7	9.2	7.7
80°	6.1	6.1	6.1	4.6	6.1	6.1	7.7	6.1	6.1	4.6	7.7
82.5°	3.1	3.1	3.1	0.0	1.5	3.1	3.1	1.5	3.1	3.1	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: P248948

CATALOG NUMBER: LSR8B70D010 EC8B70950 8LBSW0B

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3149.4	3149.4	3149.4	3149.4	3149.4	3149.4	3149.4	3149.4	3149.4	3149.4	3149.4
2.5°	3184.8	3183.3	3184.8	3186.3	3184.8	3183.3	3184.8	3186.3	3180.2	3178.7	3181.7
5°	3252.5	3252.5	3255.5	3257.1	3255.5	3252.5	3252.5	3246.3	3241.7	3237.1	3235.6
7.5°	3310.9	3314.0	3317.0	3318.5	3317.0	3314.0	3310.9	3301.6	3292.4	3284.7	3278.6
10°	3346.3	3350.9	3357.0	3360.1	3357.0	3350.9	3346.3	3335.5	3323.2	3310.9	3301.6
12.5°	3361.6	3366.3	3373.9	3372.4	3373.9	3366.3	3361.6	3346.3	3332.4	3315.5	3301.6
15°	3350.9	3357.0	3364.7	3367.8	3364.7	3357.0	3350.9	3335.5	3323.2	3304.7	3290.9
17.5°	3317.0	3326.3	3330.9	3335.5	3330.9	3326.3	3317.0	3304.7	3287.8	3272.5	3258.6
20°	3270.9	3277.1	3283.2	3284.7	3283.2	3277.1	3270.9	3257.1	3230.9	3227.8	3217.1
22.5°	3204.8	3209.4	3223.2	3218.6	3223.2	3209.4	3204.8	3192.5	3183.3	3166.3	3155.6
25°	3109.4	3114.0	3115.6	3117.1	3115.6	3114.0	3109.4	3098.6	3089.5	3077.1	3071.0
27.5°	2944.9	2944.9	2947.9	2949.5	2947.9	2944.9	2944.9	2937.2	2931.0	2924.9	2918.8
30°	2695.8	2695.8	2695.8	2703.5	2695.8	2695.8	2695.8	2694.2	2694.2	2695.8	2695.8
32.5°	2408.2	2405.1	2402.1	2405.1	2402.1	2405.1	2408.2	2409.7	2408.2	2412.8	2420.5
35°	2082.2	2080.6	2085.3	2079.1	2085.3	2080.6	2082.2	2082.2	2088.4	2094.5	2096.0
37.5°	1770.0	1766.9	1773.1	1766.9	1773.1	1766.9	1770.0	1768.5	1766.9	1770.0	1765.4
40°	1473.2	1476.3	1476.3	1488.6	1476.3	1476.3	1473.2	1470.1	1459.4	1453.2	1447.1
42.5°	1188.7	1198.0	1194.9	1204.1	1194.9	1198.0	1188.7	1182.6	1170.2	1159.5	1150.3
45°	919.6	925.8	925.8	928.8	925.8	925.8	919.6	913.4	902.7	893.4	887.3
47.5°	705.8	705.8	705.8	707.4	705.8	705.8	705.8	695.1	692.0	685.9	678.2
50°	536.7	538.2	539.8	541.3	539.8	538.2	536.7	533.6	532.1	529.0	527.5
52.5°	412.1	413.6	410.6	413.6	410.6	413.6	412.1	413.6	409.0	409.0	407.5
55°	312.2	310.7	312.2	313.7	312.2	310.7	312.2	312.2	310.7	310.7	310.7
57.5°	229.1	226.0	226.0	226.0	226.0	226.0	229.1	227.6	232.2	229.1	230.7
60°	170.7	172.2	172.2	173.8	172.2	172.2	170.7	173.8	173.8	175.3	175.3
62.5°	126.1	130.7	127.6	130.7	127.6	130.7	126.1	127.6	127.6	129.2	130.7
65°	81.5	81.5	81.5	83.0	81.5	81.5	81.5	83.0	84.6	83.0	87.7
67.5°	55.4	56.9	60.0	58.4	60.0	56.9	55.4	56.9	56.9	61.5	60.0
70°	44.6	40.0	40.0	44.6	40.0	40.0	44.6	41.5	40.0	43.0	41.5
72.5°	26.1	23.0	26.1	26.1	26.1	23.0	26.1	23.0	24.6	24.6	27.7
75°	13.9	12.3	10.8	15.4	10.8	12.3	13.9	13.9	13.9	13.9	15.4
77.5°	9.2	7.7	10.8	10.8	10.8	7.7	9.2	7.7	9.2	7.7	9.2
80°	4.6	6.1	4.6	7.7	4.6	6.1	4.6	7.7	4.6	6.1	6.1
82.5°	1.5	3.1	3.1	3.1	3.1	3.1	1.5	1.5	3.1	3.1	1.5
85°	0.0	3.1	1.5	1.5	1.5	3.1	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: P248948

CATALOG NUMBER: LSR8B70D010 EC8B70950 8LBSW0B

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3149.4	3149.4	3149.4	3149.4	3149.4	3149.4	3149.4	3149.4	3149.4	3149.4	3149.4
2.5°	3181.7	3177.1	3178.7	3169.4	3169.4	3166.3	3167.9	3160.2	3157.1	3154.0	3158.7
5°	3227.8	3220.2	3214.0	3200.2	3192.5	3183.3	3178.7	3166.3	3155.6	3146.3	3144.8
7.5°	3264.7	3247.8	3237.1	3218.6	3204.8	3194.0	3178.7	3161.7	3147.9	3135.5	3126.4
10°	3280.1	3263.2	3246.3	3223.2	3207.8	3187.8	3172.5	3150.9	3132.5	3115.6	3104.8
12.5°	3281.6	3260.1	3244.7	3218.6	3198.6	3177.1	3160.2	3135.5	3114.0	3097.1	3080.2
15°	3267.8	3247.8	3229.4	3201.7	3181.7	3161.7	3141.8	3115.6	3095.6	3075.6	3063.3
17.5°	3237.1	3218.6	3197.1	3170.9	3152.5	3134.0	3112.5	3091.0	3067.9	3046.4	3031.0
20°	3197.1	3177.1	3158.7	3132.5	3117.1	3097.1	3077.1	3054.1	3035.6	3014.1	2997.2
22.5°	3137.1	3118.6	3101.7	3086.4	3061.7	3046.4	3032.6	3006.4	2987.9	2967.9	2949.5
25°	3051.0	3032.6	3018.7	3000.2	2989.5	2972.6	2958.7	2935.7	2918.8	2900.3	2884.9
27.5°	2909.5	2898.8	2891.0	2880.3	2871.1	2863.4	2855.7	2837.2	2824.9	2808.0	2792.7
30°	2697.3	2695.8	2691.1	2686.5	2692.7	2692.7	2692.7	2689.6	2678.9	2666.5	2655.8
32.5°	2425.1	2428.2	2434.3	2439.0	2451.2	2465.1	2477.4	2483.5	2483.5	2475.9	2471.2
35°	2100.6	2105.3	2114.5	2126.8	2142.2	2159.1	2186.7	2192.9	2197.5	2197.5	2191.3
37.5°	1763.8	1762.3	1771.6	1782.3	1791.6	1803.8	1823.8	1828.5	1836.1	1833.1	1826.9
40°	1436.3	1428.6	1425.5	1428.6	1439.4	1434.8	1439.4	1436.3	1436.3	1425.5	1425.5
42.5°	1133.3	1124.2	1118.0	1113.4	1113.4	1102.6	1094.9	1087.3	1082.6	1074.9	1073.4
45°	873.5	862.7	855.0	851.9	847.4	833.5	824.3	815.0	804.3	801.2	802.7
47.5°	678.2	667.4	664.3	656.6	648.9	641.3	635.1	624.4	622.8	616.6	622.8
50°	522.8	519.8	515.2	512.1	507.5	501.3	495.2	489.0	485.9	485.9	487.5
52.5°	406.0	407.5	402.9	398.3	395.2	395.2	387.5	386.0	386.0	379.8	386.0
55°	310.7	309.1	310.7	307.6	307.6	302.9	302.9	298.3	298.3	293.7	296.8
57.5°	227.6	230.7	227.6	229.1	232.2	227.6	226.0	221.4	224.5	221.4	223.0
60°	176.9	176.9	176.9	175.3	175.3	173.8	173.8	172.2	172.2	169.1	172.2
62.5°	130.7	132.2	132.2	132.2	133.8	132.2	130.7	132.2	130.7	130.7	132.2
65°	86.1	87.7	87.7	86.1	89.2	86.1	87.7	89.2	90.7	89.2	90.7
67.5°	58.4	58.4	60.0	61.5	60.0	61.5	63.0	61.5	63.0	66.1	63.0
70°	43.0	44.6	44.6	43.0	41.5	43.0	41.5	46.1	46.1	46.1	49.2
72.5°	27.7	27.7	26.1	26.1	26.1	26.1	26.1	30.8	27.7	26.1	29.2
75°	15.4	16.9	16.9	12.3	13.9	16.9	12.3	13.9	18.5	15.4	18.5
77.5°	9.2	9.2	9.2	9.2	9.2	9.2	12.3	10.8	10.8	10.8	12.3
80°	7.7	6.1	6.1	4.6	6.1	6.1	6.1	9.2	7.7	7.7	9.2
82.5°	3.1	3.1	1.5	0.0	3.1	3.1	3.1	3.1	3.1	3.1	6.1
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	3.1	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: P248948

CATALOG NUMBER: LSR8B70D010 EC8B70950 8LBSW0B

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3149.4	3149.4	3149.4	3149.4	3149.4	3149.4	3149.4	3149.4	3149.4	3149.4	3149.4
2.5°	3146.3	3146.3	3144.8	3141.8	3135.5	3135.5	3134.0	3129.4	3126.4	3124.8	3124.8
5°	3130.9	3124.8	3118.6	3101.7	3101.7	3098.6	3089.5	3083.3	3080.2	3072.5	3069.5
7.5°	3117.1	3098.6	3087.9	3077.1	3063.3	3057.1	3046.4	3041.7	3031.0	3023.3	3018.7
10°	3083.3	3071.0	3057.1	3040.2	3029.5	3017.2	3004.8	2995.7	2981.8	2974.1	2967.9
12.5°	3060.2	3041.7	3029.5	3011.0	2992.6	2981.8	2964.9	2954.1	2940.3	2924.9	2915.7
15°	3038.7	3018.7	3001.8	2981.8	2961.8	2949.5	2929.5	2917.2	2897.2	2881.9	2871.1
17.5°	3006.4	2989.5	2971.0	2946.4	2928.0	2912.6	2891.0	2875.7	2857.2	2837.2	2826.5
20°	2972.6	2952.6	2934.1	2909.5	2891.0	2872.6	2851.1	2834.2	2812.6	2794.2	2781.9
22.5°	2928.0	2904.9	2889.5	2864.9	2843.4	2823.4	2803.4	2783.4	2763.4	2748.0	2734.2
25°	2863.4	2838.7	2821.8	2801.8	2781.9	2766.5	2741.9	2729.6	2709.6	2695.8	2681.9
27.5°	2771.1	2752.7	2737.3	2717.3	2700.4	2688.1	2669.6	2657.3	2640.4	2628.1	2617.3
30°	2635.8	2620.4	2606.6	2586.6	2574.3	2563.5	2546.6	2535.8	2523.5	2509.7	2506.6
32.5°	2454.3	2442.0	2428.2	2414.3	2405.1	2399.0	2385.1	2379.0	2366.7	2359.0	2351.3
35°	2180.6	2169.8	2162.2	2156.0	2152.9	2154.4	2151.4	2157.5	2160.6	2159.1	2160.6
37.5°	1822.3	1816.1	1819.2	1823.8	1839.2	1859.2	1877.6	1905.3	1923.8	1942.3	1959.2
40°	1422.5	1427.1	1439.4	1467.0	1507.0	1551.7	1593.2	1645.5	1697.8	1734.7	1768.5
42.5°	1073.4	1087.3	1118.0	1158.0	1218.0	1284.0	1348.7	1425.5	1488.6	1550.1	1593.2
45°	807.4	825.8	865.8	921.2	987.2	1064.2	1145.7	1231.8	1307.1	1370.2	1417.9
47.5°	629.0	645.9	685.9	744.3	825.8	905.8	990.3	1079.5	1158.0	1219.5	1261.0
50°	496.7	518.2	553.6	615.1	696.6	781.2	868.9	956.5	1030.4	1082.6	1119.5
52.5°	390.6	410.6	444.4	509.0	592.1	676.6	758.1	844.3	908.8	959.6	984.2
55°	302.9	321.4	356.7	410.6	489.0	572.1	653.5	727.4	787.4	824.3	847.4
57.5°	230.7	244.5	269.1	322.9	393.7	470.6	539.8	613.6	659.7	685.9	701.2
60°	175.3	186.1	212.2	253.8	318.3	384.5	442.9	498.3	535.2	556.7	572.1
62.5°	132.2	144.6	163.0	198.4	247.6	301.4	350.6	392.1	422.9	436.7	447.5
65°	90.7	99.9	113.8	141.5	183.0	221.4	259.9	290.7	310.7	326.0	332.2
67.5°	67.7	73.8	81.5	103.0	132.2	163.0	189.1	210.7	232.2	238.4	249.1
70°	50.8	55.4	63.0	78.4	95.3	116.8	138.4	150.7	166.1	176.9	180.0
72.5°	32.3	33.8	41.5	50.8	64.6	78.4	92.3	103.0	112.3	118.4	121.5
75°	18.5	27.7	27.7	36.9	46.1	52.3	61.5	69.2	73.8	78.4	78.4
77.5°	12.3	16.9	18.5	23.0	27.7	35.4	43.0	47.7	52.3	53.8	53.8
80°	10.8	12.3	12.3	16.9	20.0	26.1	30.8	32.3	35.4	36.9	40.0
82.5°	4.6	6.1	7.7	12.3	13.9	13.9	18.5	20.0	23.0	24.6	24.6
85°	1.5	3.1	3.1	4.6	7.7	9.2	10.8	12.3	13.9	13.9	15.4
87.5°	1.5	1.5	0.0	1.5	3.1	3.1	6.1	6.1	6.1	9.2	9.2
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: P248948

CATALOG NUMBER: LSR8B70D010 EC8B70950 8LBSW0B

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	3149.4	3149.4	3149.4	3149.4	3149.4	3149.4	3149.4
2.5°	3121.7	3123.3	3117.1	3115.6	3112.5	3114.0	3117.1
5°	3064.8	3066.4	3060.2	3054.1	3054.1	3052.5	3054.1
7.5°	3011.0	3012.6	3003.3	3000.2	2994.1	2995.7	2995.7
10°	2957.2	2957.2	2943.4	2941.8	2937.2	2935.7	2935.7
12.5°	2904.9	2900.3	2889.5	2883.4	2886.5	2877.2	2877.2
15°	2858.8	2851.1	2837.2	2832.6	2824.9	2821.8	2821.8
17.5°	2811.1	2804.9	2792.7	2783.4	2774.2	2772.7	2774.2
20°	2764.9	2758.8	2743.4	2737.3	2729.6	2729.6	2726.5
22.5°	2718.8	2712.7	2698.9	2694.2	2683.5	2683.5	2685.0
25°	2671.1	2666.5	2651.1	2648.1	2646.6	2640.4	2643.5
27.5°	2606.6	2603.5	2591.2	2586.6	2580.4	2578.9	2582.0
30°	2488.1	2483.5	2474.3	2469.7	2459.0	2460.5	2463.5
32.5°	2340.5	2334.4	2322.1	2317.4	2308.3	2305.2	2306.7
35°	2156.0	2151.4	2140.6	2140.6	2131.4	2128.3	2131.4
37.5°	1968.4	1973.0	1968.4	1973.0	1968.4	1966.8	1968.4
40°	1791.6	1808.5	1811.5	1828.5	1822.3	1831.5	1830.0
42.5°	1622.4	1650.0	1660.9	1674.7	1671.6	1677.8	1682.4
45°	1451.7	1474.8	1485.5	1494.8	1496.3	1499.4	1500.9
47.5°	1290.2	1308.7	1310.2	1320.9	1319.4	1319.4	1324.0
50°	1139.5	1151.8	1154.9	1162.6	1156.4	1153.3	1154.9
52.5°	999.6	1011.9	1008.8	1011.9	1004.2	1001.1	1002.6
55°	856.5	862.7	862.7	862.7	853.5	853.5	853.5
57.5°	710.4	712.0	708.9	710.4	708.9	699.7	698.2
60°	576.7	576.7	575.1	576.7	572.1	567.5	567.5
62.5°	450.5	453.7	459.8	453.7	450.5	453.7	449.0
65°	336.8	342.9	341.4	344.5	342.9	342.9	339.8
67.5°	253.8	255.3	256.8	258.4	258.4	258.4	258.4
70°	186.1	190.7	189.1	189.1	189.1	189.1	198.4
72.5°	124.6	130.7	129.2	132.2	132.2	135.3	132.2
75°	84.6	90.7	87.7	92.3	90.7	87.7	95.3
77.5°	56.9	60.0	61.5	63.0	61.5	60.0	61.5
80°	40.0	43.0	41.5	43.0	43.0	43.0	44.6
82.5°	24.6	29.2	27.7	29.2	27.7	29.2	29.2
85°	16.9	18.5	15.4	18.5	16.9	16.9	20.0
87.5°	10.8	9.2	9.2	10.8	9.2	10.8	9.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)