

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: P244547

Luminaire Tested: **LSR8B50D010 EC8B50850 8LBSW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244547
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: LSR8B50D010 EC8B50850 8LBSW0H
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT- CYLINDEC
80 CRI 5000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5577.0 lumens
Efficiency: N/A
Efficacy: 105.2 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

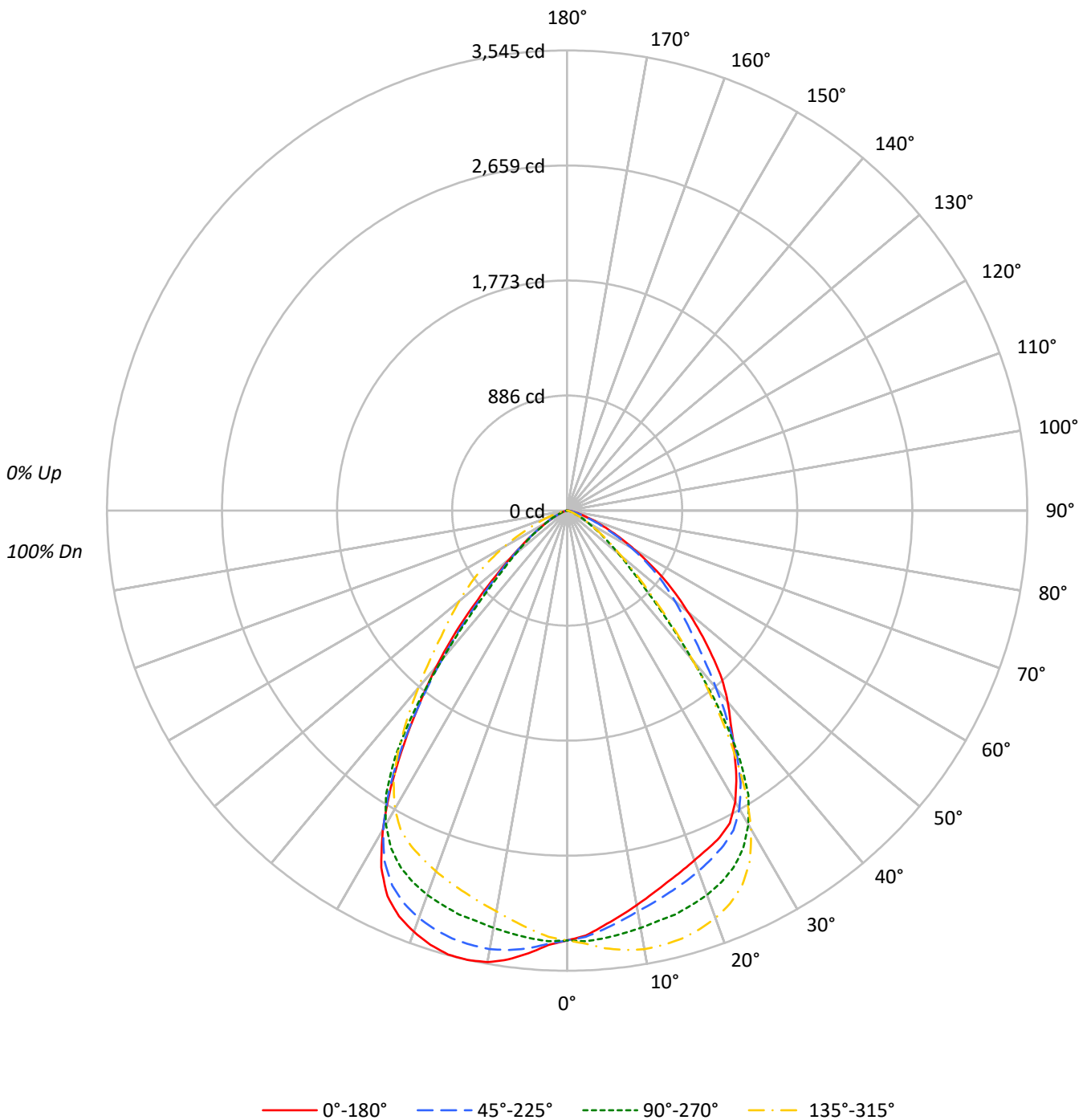
Input Watts (W): 53
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	102096	102096	102096	102096
5°	99384	102334	105990	102334
10°	96635	102202	110603	102202
15°	94703	102808	113027	102808
20°	94059	103398	113318	103398
25°	94553	103188	111497	103188
30°	92214	99410	101198	99410
35°	84349	86721	82279	86721
40°	77441	60325	62993	60325
45°	68811	36802	42580	36802
50°	58244	24581	27301	24581
55°	48240	16774	17731	16774
60°	36794	11169	11268	11169
65°	26070	6961	6370	6961
70°	18798	4661	4228	4661
75°	11938	2311	1930	2311
80°	8328	1723	1438	1723
85°	7430	0	566	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	315.1	5.7
10°-20°	912.6	16.4
20°-30°	1381.8	24.8
30°-40°	1384.9	24.8
40°-50°	869.7	15.6
50°-60°	463.4	8.3
60°-70°	190.6	3.4
70°-80°	50.4	0.9
80°-90°	8.5	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°	2609.5	46.8
0°-40°	3994.5	71.6
0°-60°	5327.6	95.5
0°-90°	5577.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5577.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3311	3311	3311	3311	3311	
5°	3211	3306	3424	3306	3211	303
15°	2966	3220	3540	3220	2966	839
25°	2779	3033	3277	3033	2779	1275
35°	2241	2304	2186	2304	2241	1404
45°	1578	844	976	844	1578	1213
55°	897	312	330	312	897	800
65°	357	95	87	95	357	371
75°	100	19	16	19	100	114
85°	21	0	2	0	21	23
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°	3310.9	3310.9	3310.9	3310.9	3310.9	3310.9	3310.9	3310.9	3310.9	3310.9	3310.9
2.5°	3277.0	3273.7	3272.1	3275.4	3277.0	3283.4	3281.8	3285.0	3285.0	3286.7	3289.9
5°	3210.7	3209.0	3210.7	3210.7	3217.1	3223.6	3222.0	3226.8	3230.0	3238.2	3241.4
7.5°	3149.3	3149.3	3147.6	3154.0	3157.3	3167.0	3165.4	3173.5	3178.3	3186.4	3197.7
10°	3086.2	3086.2	3087.8	3092.6	3094.3	3108.8	3108.8	3120.1	3126.6	3134.7	3149.3
12.5°	3024.8	3024.8	3034.5	3031.2	3037.7	3049.0	3053.8	3065.1	3074.9	3091.0	3105.6
15°	2966.5	2966.5	2969.8	2977.8	2982.7	2997.3	3005.3	3018.3	3029.6	3045.8	3066.8
17.5°	2916.4	2914.8	2916.4	2926.1	2935.9	2948.8	2955.2	2971.4	2982.7	3003.7	3023.2
20°	2866.3	2869.6	2869.6	2877.6	2884.1	2900.3	2906.7	2924.5	2937.5	2956.8	2979.5
22.5°	2822.7	2821.1	2821.1	2832.4	2837.2	2851.7	2858.2	2874.4	2888.9	2905.1	2926.1
25°	2779.0	2775.8	2782.3	2783.9	2787.1	2803.2	2808.1	2819.4	2834.0	2848.6	2869.6
27.5°	2714.3	2711.1	2712.7	2719.2	2724.1	2737.0	2740.2	2751.5	2762.8	2775.8	2793.6
30°	2589.8	2586.6	2585.0	2596.4	2601.2	2610.9	2615.7	2635.1	2638.3	2652.9	2665.8
32.5°	2424.9	2423.3	2426.6	2436.3	2441.1	2454.1	2460.5	2471.9	2479.9	2488.0	2500.9
35°	2240.7	2237.4	2240.7	2250.4	2250.4	2261.7	2266.6	2271.4	2269.8	2271.4	2268.2
37.5°	2069.3	2067.7	2069.3	2074.1	2069.3	2074.1	2069.3	2059.6	2041.9	2022.4	2003.0
40°	1923.8	1925.4	1915.8	1922.2	1904.4	1901.2	1883.4	1859.1	1823.6	1784.8	1729.8
42.5°	1768.6	1763.8	1757.3	1760.5	1746.0	1734.6	1705.6	1674.9	1629.6	1564.9	1498.6
45°	1577.9	1576.3	1573.0	1571.4	1561.7	1550.4	1526.1	1490.6	1440.4	1374.2	1294.9
47.5°	1391.9	1387.1	1387.1	1388.7	1377.4	1375.8	1356.3	1325.7	1282.0	1217.3	1134.9
50°	1214.1	1212.5	1215.7	1222.2	1214.1	1210.9	1198.0	1176.9	1138.1	1083.2	1005.5
52.5°	1054.0	1052.4	1055.7	1063.7	1060.5	1063.7	1050.8	1034.7	1008.8	955.4	887.5
55°	897.3	897.3	897.3	906.9	906.9	906.9	900.5	890.8	866.5	827.7	764.7
57.5°	734.0	735.6	745.3	746.9	745.3	748.5	746.9	737.2	721.1	693.6	645.1
60°	596.6	596.6	601.4	606.3	604.6	606.3	606.3	601.4	585.2	562.6	523.8
62.5°	472.1	476.9	473.6	476.9	483.4	476.9	473.6	470.5	459.1	444.6	412.2
65°	357.3	360.5	360.5	362.1	358.9	360.5	354.1	349.2	342.8	326.6	305.6
67.5°	271.6	271.6	271.6	271.6	270.0	268.4	266.8	261.9	250.6	244.1	221.5
70°	208.5	198.8	198.8	198.8	198.8	200.5	195.6	189.2	185.9	174.6	158.4
72.5°	139.0	142.3	139.0	139.0	135.8	137.4	131.0	127.7	124.5	118.0	108.3
75°	100.2	92.2	95.4	97.0	92.2	95.4	88.9	82.4	82.4	77.6	72.7
77.5°	64.7	63.1	64.7	66.3	64.7	63.1	59.8	56.6	56.6	55.0	50.1
80°	46.9	45.2	45.2	45.2	43.7	45.2	42.1	42.1	38.8	37.2	33.9
82.5°	30.7	30.7	29.1	30.7	29.1	30.7	25.9	25.9	25.9	24.2	21.0
85°	21.0	17.8	17.8	19.4	16.2	19.4	17.8	16.2	14.6	14.6	12.9
87.5°	9.7	11.3	9.7	11.3	9.7	9.7	11.3	9.7	9.7	6.5	6.5
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	3310.9	3310.9	3310.9	3310.9	3310.9	3310.9	3310.9	3310.9	3310.9	3310.9	3310.9
2.5°	3294.7	3296.3	3296.3	3302.8	3306.0	3307.6	3307.6	3320.6	3315.7	3319.0	3322.2
5°	3247.9	3257.5	3260.8	3260.8	3278.5	3285.0	3291.5	3306.0	3307.6	3317.3	3328.7
7.5°	3202.6	3213.9	3220.4	3234.9	3246.2	3257.5	3277.0	3286.7	3296.3	3309.3	3323.8
10°	3158.9	3171.9	3184.8	3196.1	3213.9	3228.4	3241.4	3264.0	3275.4	3293.1	3312.5
12.5°	3116.9	3134.7	3146.0	3165.4	3184.8	3197.7	3217.1	3238.2	3255.9	3273.7	3296.3
15°	3079.7	3100.7	3113.7	3134.7	3155.7	3173.5	3194.5	3220.4	3233.3	3254.3	3275.4
17.5°	3039.3	3062.0	3078.1	3097.5	3123.4	3142.7	3160.6	3186.4	3202.6	3225.2	3249.5
20°	2997.3	3019.9	3039.3	3058.7	3084.6	3103.9	3125.0	3150.9	3168.6	3191.2	3210.7
22.5°	2947.2	2968.2	2989.2	3011.8	3037.7	3053.8	3078.1	3100.7	3120.1	3141.1	3160.6
25°	2882.5	2908.4	2924.5	2945.5	2966.5	2984.3	3010.2	3032.8	3049.0	3068.4	3086.2
27.5°	2806.5	2825.9	2838.8	2856.6	2877.6	2893.8	2913.2	2935.9	2952.0	2969.8	2982.7
30°	2677.1	2695.0	2706.3	2719.2	2740.2	2754.8	2771.0	2791.9	2803.2	2816.2	2827.5
32.5°	2507.4	2522.0	2528.4	2538.1	2552.7	2567.2	2580.2	2598.0	2602.8	2610.9	2610.9
35°	2261.7	2264.9	2263.3	2266.6	2273.0	2281.1	2292.4	2303.7	2310.2	2310.2	2305.4
37.5°	1973.9	1954.6	1933.5	1917.4	1912.5	1909.2	1915.8	1920.5	1927.1	1930.3	1922.2
40°	1674.9	1631.2	1584.3	1542.3	1513.2	1500.3	1495.4	1498.6	1498.6	1509.9	1509.9
42.5°	1417.8	1349.9	1280.4	1217.3	1175.3	1143.0	1128.4	1128.4	1130.0	1138.1	1143.0
45°	1204.4	1118.7	1037.9	968.4	910.2	868.1	848.7	843.9	842.3	845.5	856.8
47.5°	1041.1	952.2	868.1	782.5	721.1	679.0	661.2	654.7	648.3	654.7	656.4
50°	913.4	821.3	732.4	646.7	582.0	544.8	522.2	512.4	510.8	510.8	514.1
52.5°	797.0	711.3	622.4	535.1	467.2	431.7	410.6	405.8	399.3	405.8	405.8
55°	687.1	601.4	514.1	431.7	375.0	337.9	318.5	312.0	308.8	313.6	313.6
57.5°	567.5	494.7	413.9	339.5	282.9	257.1	242.5	234.4	232.8	236.0	232.8
60°	465.6	404.2	334.6	266.8	223.1	195.6	184.3	181.1	177.8	181.1	181.1
62.5°	368.6	316.9	260.2	208.5	171.3	152.0	139.0	139.0	137.4	137.4	139.0
65°	273.2	232.8	192.4	148.7	119.6	105.1	95.4	95.4	93.8	95.4	93.8
67.5°	198.8	171.3	139.0	108.3	85.7	77.6	71.1	66.3	69.5	66.3	64.7
70°	145.5	122.8	100.2	82.4	66.3	58.2	53.4	51.7	48.5	48.5	48.5
72.5°	97.0	82.4	67.9	53.4	43.7	35.5	33.9	30.7	27.5	29.1	32.3
75°	64.7	55.0	48.5	38.8	29.1	29.1	19.4	19.4	16.2	19.4	14.6
77.5°	45.2	37.2	29.1	24.2	19.4	17.8	12.9	12.9	11.3	11.3	11.3
80°	32.3	27.5	21.0	17.8	12.9	12.9	11.3	9.7	8.1	8.1	9.7
82.5°	19.4	14.6	14.6	12.9	8.1	6.5	4.9	6.5	3.3	3.3	3.3
85°	11.3	9.7	8.1	4.9	3.3	3.3	1.6	0.0	1.6	1.6	0.0
87.5°	6.5	3.3	3.3	1.6	0.0	1.6	1.6	0.0	0.0	0.0	3.3
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°	3310.9	3310.9	3310.9	3310.9	3310.9	3310.9	3310.9	3310.9	3310.9	3310.9	3310.9
2.5°	3330.3	3328.7	3331.9	3331.9	3341.6	3340.0	3344.8	3344.8	3341.6	3343.2	3349.7
5°	3341.6	3346.5	3356.1	3364.3	3378.8	3385.3	3393.3	3401.5	3403.0	3407.9	3412.8
7.5°	3341.6	3357.8	3369.1	3383.6	3403.0	3414.4	3432.1	3446.7	3453.2	3461.2	3470.9
10°	3335.1	3351.3	3372.3	3388.5	3412.8	3430.5	3448.3	3470.9	3480.6	3493.5	3506.5
12.5°	3322.2	3340.0	3362.6	3383.6	3411.1	3427.3	3449.9	3470.9	3485.5	3503.3	3517.8
15°	3302.8	3323.8	3344.8	3365.9	3394.9	3414.4	3435.4	3459.6	3474.2	3493.5	3506.5
17.5°	3272.1	3294.7	3314.1	3333.5	3361.0	3383.6	3403.0	3425.7	3440.2	3456.4	3474.2
20°	3234.9	3255.9	3277.0	3293.1	3320.6	3340.0	3361.0	3382.0	3393.3	3396.6	3424.1
22.5°	3188.1	3202.6	3218.7	3244.6	3260.8	3278.5	3298.0	3317.3	3328.7	3346.5	3356.1
25°	3110.4	3125.0	3142.7	3154.0	3173.5	3188.1	3207.4	3228.4	3234.9	3247.9	3257.5
27.5°	3002.1	3010.2	3018.3	3027.9	3039.3	3047.4	3058.7	3068.4	3074.9	3081.3	3087.8
30°	2830.7	2830.7	2830.7	2824.3	2829.1	2834.0	2835.6	2834.0	2834.0	2832.4	2832.4
32.5°	2604.4	2591.5	2576.9	2564.0	2559.2	2552.7	2549.4	2544.6	2536.5	2531.7	2533.3
35°	2298.8	2269.8	2252.0	2235.8	2222.9	2213.2	2208.3	2203.5	2201.9	2195.4	2188.9
37.5°	1917.4	1896.3	1883.4	1873.7	1862.4	1852.7	1854.3	1855.9	1860.7	1857.5	1859.1
40°	1513.2	1508.3	1513.2	1501.9	1498.6	1501.9	1509.9	1521.3	1527.7	1534.2	1545.5
42.5°	1151.1	1159.1	1170.5	1170.5	1175.3	1181.8	1191.4	1209.3	1218.9	1230.2	1243.2
45°	866.5	876.2	890.8	895.6	898.9	906.9	918.3	932.8	939.2	949.0	960.3
47.5°	667.7	674.1	682.2	690.3	698.4	701.6	712.9	712.9	721.1	727.5	730.7
50°	520.6	527.0	533.5	538.3	541.6	546.4	549.6	554.5	556.1	559.4	561.0
52.5°	407.4	415.5	415.5	418.7	423.5	428.4	426.8	428.4	430.0	430.0	434.9
55°	318.5	318.5	323.3	323.3	326.6	324.9	326.6	326.6	326.6	326.6	328.2
57.5°	237.6	239.3	244.1	240.9	239.3	242.5	239.3	242.5	240.9	244.1	239.3
60°	182.7	182.7	184.3	184.3	185.9	185.9	185.9	184.3	184.3	182.7	182.7
62.5°	137.4	139.0	140.7	139.0	139.0	139.0	137.4	137.4	135.8	134.1	134.1
65°	92.2	90.6	93.8	90.6	92.2	92.2	90.6	92.2	87.3	88.9	87.3
67.5°	66.3	64.7	63.1	64.7	63.1	61.4	61.4	63.1	64.7	59.8	59.8
70°	43.7	45.2	43.7	45.2	46.9	46.9	45.2	43.7	45.2	42.1	43.7
72.5°	27.5	27.5	27.5	27.5	27.5	29.1	29.1	29.1	25.9	25.9	24.2
75°	12.9	17.8	14.6	12.9	17.8	17.8	16.2	16.2	14.6	14.6	14.6
77.5°	12.9	9.7	9.7	9.7	9.7	9.7	9.7	9.7	8.1	9.7	8.1
80°	6.5	6.5	6.5	4.9	6.5	6.5	8.1	6.5	6.5	4.9	8.1
82.5°	3.3	3.3	3.3	0.0	1.6	3.3	3.3	1.6	3.3	3.3	1.6
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: P244547

CATALOG NUMBER: LSR8B50D010 EC8B50850 8LBSW0H

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3310.9	3310.9	3310.9	3310.9	3310.9	3310.9	3310.9	3310.9	3310.9	3310.9	3310.9
2.5°	3348.1	3346.5	3348.1	3349.7	3348.1	3346.5	3348.1	3349.7	3343.2	3341.6	3344.8
5°	3419.2	3419.2	3422.4	3424.1	3422.4	3419.2	3419.2	3412.8	3407.9	3403.0	3401.5
7.5°	3480.6	3483.9	3487.1	3488.7	3487.1	3483.9	3480.6	3470.9	3461.2	3453.2	3446.7
10°	3517.8	3522.7	3529.1	3532.3	3529.1	3522.7	3517.8	3506.5	3493.5	3480.6	3470.9
12.5°	3534.0	3538.9	3546.9	3545.3	3546.9	3538.9	3534.0	3517.8	3503.3	3485.5	3470.9
15°	3522.7	3529.1	3537.2	3540.5	3537.2	3529.1	3522.7	3506.5	3493.5	3474.2	3459.6
17.5°	3487.1	3496.8	3501.7	3506.5	3501.7	3496.8	3487.1	3474.2	3456.4	3440.2	3425.7
20°	3438.6	3445.1	3451.6	3453.2	3451.6	3445.1	3438.6	3424.1	3396.6	3393.3	3382.0
22.5°	3369.1	3374.0	3388.5	3383.6	3388.5	3374.0	3369.1	3356.1	3346.5	3328.7	3317.3
25°	3268.8	3273.7	3275.4	3277.0	3275.4	3273.7	3268.8	3257.5	3247.9	3234.9	3228.4
27.5°	3095.9	3095.9	3099.1	3100.7	3099.1	3095.9	3095.9	3087.8	3081.3	3074.9	3068.4
30°	2834.0	2834.0	2834.0	2842.1	2834.0	2834.0	2834.0	2832.4	2832.4	2834.0	2834.0
32.5°	2531.7	2528.4	2525.2	2528.4	2525.2	2528.4	2531.7	2533.3	2531.7	2536.5	2544.6
35°	2188.9	2187.3	2192.2	2185.7	2192.2	2187.3	2188.9	2188.9	2195.4	2201.9	2203.5
37.5°	1860.7	1857.5	1864.0	1857.5	1864.0	1857.5	1860.7	1859.1	1857.5	1860.7	1855.9
40°	1548.8	1552.0	1552.0	1564.9	1552.0	1552.0	1548.8	1545.5	1534.2	1527.7	1521.3
42.5°	1249.7	1259.4	1256.1	1265.8	1256.1	1259.4	1249.7	1243.2	1230.2	1218.9	1209.3
45°	966.7	973.3	973.3	976.4	973.3	973.3	966.7	960.3	949.0	939.2	932.8
47.5°	742.0	742.0	742.0	743.7	742.0	742.0	742.0	730.7	727.5	721.1	712.9
50°	564.2	565.8	567.5	569.1	567.5	565.8	564.2	561.0	559.4	556.1	554.5
52.5°	433.3	434.9	431.7	434.9	431.7	434.9	433.3	434.9	430.0	430.0	428.4
55°	328.2	326.6	328.2	329.8	328.2	326.6	328.2	328.2	326.6	326.6	326.6
57.5°	240.9	237.6	237.6	237.6	237.6	237.6	240.9	239.3	244.1	240.9	242.5
60°	179.5	181.1	181.1	182.7	181.1	181.1	179.5	182.7	182.7	184.3	184.3
62.5°	132.6	137.4	134.1	137.4	134.1	137.4	132.6	134.1	134.1	135.8	137.4
65°	85.7	85.7	85.7	87.3	85.7	85.7	85.7	87.3	88.9	87.3	92.2
67.5°	58.2	59.8	63.1	61.4	63.1	59.8	58.2	59.8	59.8	64.7	63.1
70°	46.9	42.1	42.1	46.9	42.1	42.1	46.9	43.7	42.1	45.2	43.7
72.5°	27.5	24.2	27.5	27.5	27.5	24.2	27.5	24.2	25.9	25.9	29.1
75°	14.6	12.9	11.3	16.2	11.3	12.9	14.6	14.6	14.6	14.6	16.2
77.5°	9.7	8.1	11.3	11.3	11.3	8.1	9.7	8.1	9.7	8.1	9.7
80°	4.9	6.5	4.9	8.1	4.9	6.5	4.9	8.1	4.9	6.5	6.5
82.5°	1.6	3.3	3.3	3.3	3.3	3.3	1.6	1.6	3.3	3.3	1.6
85°	0.0	3.3	1.6	1.6	1.6	3.3	0.0	0.0	0.0	0.0	0.0
87.5°	1.6	0.0	0.0	1.6	0.0	0.0	1.6	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: P244547

CATALOG NUMBER: LSR8B50D010 EC8B50850 8LBSW0H

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3310.9	3310.9	3310.9	3310.9	3310.9	3310.9	3310.9	3310.9	3310.9	3310.9	3310.9
2.5°	3344.8	3340.0	3341.6	3331.9	3331.9	3328.7	3330.3	3322.2	3319.0	3315.7	3320.6
5°	3393.3	3385.3	3378.8	3364.3	3356.1	3346.5	3341.6	3328.7	3317.3	3307.6	3306.0
7.5°	3432.1	3414.4	3403.0	3383.6	3369.1	3357.8	3341.6	3323.8	3309.3	3296.3	3286.7
10°	3448.3	3430.5	3412.8	3388.5	3372.3	3351.3	3335.1	3312.5	3293.1	3275.4	3264.0
12.5°	3449.9	3427.3	3411.1	3383.6	3362.6	3340.0	3322.2	3296.3	3273.7	3255.9	3238.2
15°	3435.4	3414.4	3394.9	3365.9	3344.8	3323.8	3302.8	3275.4	3254.3	3233.3	3220.4
17.5°	3403.0	3383.6	3361.0	3333.5	3314.1	3294.7	3272.1	3249.5	3225.2	3202.6	3186.4
20°	3361.0	3340.0	3320.6	3293.1	3277.0	3255.9	3234.9	3210.7	3191.2	3168.6	3150.9
22.5°	3298.0	3278.5	3260.8	3244.6	3218.7	3202.6	3188.1	3160.6	3141.1	3120.1	3100.7
25°	3207.4	3188.1	3173.5	3154.0	3142.7	3125.0	3110.4	3086.2	3068.4	3049.0	3032.8
27.5°	3058.7	3047.4	3039.3	3027.9	3018.3	3010.2	3002.1	2982.7	2969.8	2952.0	2935.9
30°	2835.6	2834.0	2829.1	2824.3	2830.7	2830.7	2830.7	2827.5	2816.2	2803.2	2791.9
32.5°	2549.4	2552.7	2559.2	2564.0	2576.9	2591.5	2604.4	2610.9	2610.9	2602.8	2598.0
35°	2208.3	2213.2	2222.9	2235.8	2252.0	2269.8	2298.8	2305.4	2310.2	2310.2	2303.7
37.5°	1854.3	1852.7	1862.4	1873.7	1883.4	1896.3	1917.4	1922.2	1930.3	1927.1	1920.5
40°	1509.9	1501.9	1498.6	1501.9	1513.2	1508.3	1513.2	1509.9	1509.9	1498.6	1498.6
42.5°	1191.4	1181.8	1175.3	1170.5	1170.5	1159.1	1151.1	1143.0	1138.1	1130.0	1128.4
45°	918.3	906.9	898.9	895.6	890.8	876.2	866.5	856.8	845.5	842.3	843.9
47.5°	712.9	701.6	698.4	690.3	682.2	674.1	667.7	656.4	654.7	648.3	654.7
50°	549.6	546.4	541.6	538.3	533.5	527.0	520.6	514.1	510.8	510.8	512.4
52.5°	426.8	428.4	423.5	418.7	415.5	415.5	407.4	405.8	405.8	399.3	405.8
55°	326.6	324.9	326.6	323.3	323.3	318.5	318.5	313.6	313.6	308.8	312.0
57.5°	239.3	242.5	239.3	240.9	244.1	239.3	237.6	232.8	236.0	232.8	234.4
60°	185.9	185.9	185.9	184.3	184.3	182.7	182.7	181.1	181.1	177.8	181.1
62.5°	137.4	139.0	139.0	139.0	140.7	139.0	137.4	139.0	137.4	137.4	139.0
65°	90.6	92.2	92.2	90.6	93.8	90.6	92.2	93.8	95.4	93.8	95.4
67.5°	61.4	61.4	63.1	64.7	63.1	64.7	66.3	64.7	66.3	69.5	66.3
70°	45.2	46.9	46.9	45.2	43.7	45.2	43.7	48.5	48.5	48.5	51.7
72.5°	29.1	29.1	27.5	27.5	27.5	27.5	27.5	32.3	29.1	27.5	30.7
75°	16.2	17.8	17.8	12.9	14.6	17.8	12.9	14.6	19.4	16.2	19.4
77.5°	9.7	9.7	9.7	9.7	9.7	9.7	12.9	11.3	11.3	11.3	12.9
80°	8.1	6.5	6.5	4.9	6.5	6.5	6.5	9.7	8.1	8.1	9.7
82.5°	3.3	3.3	1.6	0.0	3.3	3.3	3.3	3.3	3.3	3.3	6.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	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: P244547

CATALOG NUMBER: LSR8B50D010 EC8B50850 8LBSW0H

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3310.9	3310.9	3310.9	3310.9	3310.9	3310.9	3310.9	3310.9	3310.9	3310.9	3310.9
2.5°	3307.6	3307.6	3306.0	3302.8	3296.3	3296.3	3294.7	3289.9	3286.7	3285.0	3285.0
5°	3291.5	3285.0	3278.5	3260.8	3260.8	3257.5	3247.9	3241.4	3238.2	3230.0	3226.8
7.5°	3277.0	3257.5	3246.2	3234.9	3220.4	3213.9	3202.6	3197.7	3186.4	3178.3	3173.5
10°	3241.4	3228.4	3213.9	3196.1	3184.8	3171.9	3158.9	3149.3	3134.7	3126.6	3120.1
12.5°	3217.1	3197.7	3184.8	3165.4	3146.0	3134.7	3116.9	3105.6	3091.0	3074.9	3065.1
15°	3194.5	3173.5	3155.7	3134.7	3113.7	3100.7	3079.7	3066.8	3045.8	3029.6	3018.3
17.5°	3160.6	3142.7	3123.4	3097.5	3078.1	3062.0	3039.3	3023.2	3003.7	2982.7	2971.4
20°	3125.0	3103.9	3084.6	3058.7	3039.3	3019.9	2997.3	2979.5	2956.8	2937.5	2924.5
22.5°	3078.1	3053.8	3037.7	3011.8	2989.2	2968.2	2947.2	2926.1	2905.1	2888.9	2874.4
25°	3010.2	2984.3	2966.5	2945.5	2924.5	2908.4	2882.5	2869.6	2848.6	2834.0	2819.4
27.5°	2913.2	2893.8	2877.6	2856.6	2838.8	2825.9	2806.5	2793.6	2775.8	2762.8	2751.5
30°	2771.0	2754.8	2740.2	2719.2	2706.3	2695.0	2677.1	2665.8	2652.9	2638.3	2635.1
32.5°	2580.2	2567.2	2552.7	2538.1	2528.4	2522.0	2507.4	2500.9	2488.0	2479.9	2471.9
35°	2292.4	2281.1	2273.0	2266.6	2263.3	2264.9	2261.7	2268.2	2271.4	2269.8	2271.4
37.5°	1915.8	1909.2	1912.5	1917.4	1933.5	1954.6	1973.9	2003.0	2022.4	2041.9	2059.6
40°	1495.4	1500.3	1513.2	1542.3	1584.3	1631.2	1674.9	1729.8	1784.8	1823.6	1859.1
42.5°	1128.4	1143.0	1175.3	1217.3	1280.4	1349.9	1417.8	1498.6	1564.9	1629.6	1674.9
45°	848.7	868.1	910.2	968.4	1037.9	1118.7	1204.4	1294.9	1374.2	1440.4	1490.6
47.5°	661.2	679.0	721.1	782.5	868.1	952.2	1041.1	1134.9	1217.3	1282.0	1325.7
50°	522.2	544.8	582.0	646.7	732.4	821.3	913.4	1005.5	1083.2	1138.1	1176.9
52.5°	410.6	431.7	467.2	535.1	622.4	711.3	797.0	887.5	955.4	1008.8	1034.7
55°	318.5	337.9	375.0	431.7	514.1	601.4	687.1	764.7	827.7	866.5	890.8
57.5°	242.5	257.1	282.9	339.5	413.9	494.7	567.5	645.1	693.6	721.1	737.2
60°	184.3	195.6	223.1	266.8	334.6	404.2	465.6	523.8	562.6	585.2	601.4
62.5°	139.0	152.0	171.3	208.5	260.2	316.9	368.6	412.2	444.6	459.1	470.5
65°	95.4	105.1	119.6	148.7	192.4	232.8	273.2	305.6	326.6	342.8	349.2
67.5°	71.1	77.6	85.7	108.3	139.0	171.3	198.8	221.5	244.1	250.6	261.9
70°	53.4	58.2	66.3	82.4	100.2	122.8	145.5	158.4	174.6	185.9	189.2
72.5°	33.9	35.5	43.7	53.4	67.9	82.4	97.0	108.3	118.0	124.5	127.7
75°	19.4	29.1	29.1	38.8	48.5	55.0	64.7	72.7	77.6	82.4	82.4
77.5°	12.9	17.8	19.4	24.2	29.1	37.2	45.2	50.1	55.0	56.6	56.6
80°	11.3	12.9	12.9	17.8	21.0	27.5	32.3	33.9	37.2	38.8	42.1
82.5°	4.9	6.5	8.1	12.9	14.6	14.6	19.4	21.0	24.2	25.9	25.9
85°	1.6	3.3	3.3	4.9	8.1	9.7	11.3	12.9	14.6	14.6	16.2
87.5°	1.6	1.6	0.0	1.6	3.3	3.3	6.5	6.5	6.5	9.7	9.7
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: P244547

CATALOG NUMBER: LSR8B50D010 EC8B50850 8LBSW0H

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	3310.9	3310.9	3310.9	3310.9	3310.9	3310.9	3310.9
2.5°	3281.8	3283.4	3277.0	3275.4	3272.1	3273.7	3277.0
5°	3222.0	3223.6	3217.1	3210.7	3210.7	3209.0	3210.7
7.5°	3165.4	3167.0	3157.3	3154.0	3147.6	3149.3	3149.3
10°	3108.8	3108.8	3094.3	3092.6	3087.8	3086.2	3086.2
12.5°	3053.8	3049.0	3037.7	3031.2	3034.5	3024.8	3024.8
15°	3005.3	2997.3	2982.7	2977.8	2969.8	2966.5	2966.5
17.5°	2955.2	2948.8	2935.9	2926.1	2916.4	2914.8	2916.4
20°	2906.7	2900.3	2884.1	2877.6	2869.6	2869.6	2866.3
22.5°	2858.2	2851.7	2837.2	2832.4	2821.1	2821.1	2822.7
25°	2808.1	2803.2	2787.1	2783.9	2782.3	2775.8	2779.0
27.5°	2740.2	2737.0	2724.1	2719.2	2712.7	2711.1	2714.3
30°	2615.7	2610.9	2601.2	2596.4	2585.0	2586.6	2589.8
32.5°	2460.5	2454.1	2441.1	2436.3	2426.6	2423.3	2424.9
35°	2266.6	2261.7	2250.4	2250.4	2240.7	2237.4	2240.7
37.5°	2069.3	2074.1	2069.3	2074.1	2069.3	2067.7	2069.3
40°	1883.4	1901.2	1904.4	1922.2	1915.8	1925.4	1923.8
42.5°	1705.6	1734.6	1746.0	1760.5	1757.3	1763.8	1768.6
45°	1526.1	1550.4	1561.7	1571.4	1573.0	1576.3	1577.9
47.5°	1356.3	1375.8	1377.4	1388.7	1387.1	1387.1	1391.9
50°	1198.0	1210.9	1214.1	1222.2	1215.7	1212.5	1214.1
52.5°	1050.8	1063.7	1060.5	1063.7	1055.7	1052.4	1054.0
55°	900.5	906.9	906.9	906.9	897.3	897.3	897.3
57.5°	746.9	748.5	745.3	746.9	745.3	735.6	734.0
60°	606.3	606.3	604.6	606.3	601.4	596.6	596.6
62.5°	473.6	476.9	483.4	476.9	473.6	476.9	472.1
65°	354.1	360.5	358.9	362.1	360.5	360.5	357.3
67.5°	266.8	268.4	270.0	271.6	271.6	271.6	271.6
70°	195.6	200.5	198.8	198.8	198.8	198.8	208.5
72.5°	131.0	137.4	135.8	139.0	139.0	142.3	139.0
75°	88.9	95.4	92.2	97.0	95.4	92.2	100.2
77.5°	59.8	63.1	64.7	66.3	64.7	63.1	64.7
80°	42.1	45.2	43.7	45.2	45.2	45.2	46.9
82.5°	25.9	30.7	29.1	30.7	29.1	30.7	30.7
85°	17.8	19.4	16.2	19.4	17.8	17.8	21.0
87.5°	11.3	9.7	9.7	11.3	9.7	11.3	9.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)