

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: P244535

Luminaire Tested: **LSR8B50D010 EC8B50835 8LBSW0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P244535  
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 EC8B50835 8LBSW0H  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT- CYLINDEC  
80 CRI 3500 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5506.0 lumens  
Efficiency: N/A  
Efficacy: 103.9 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

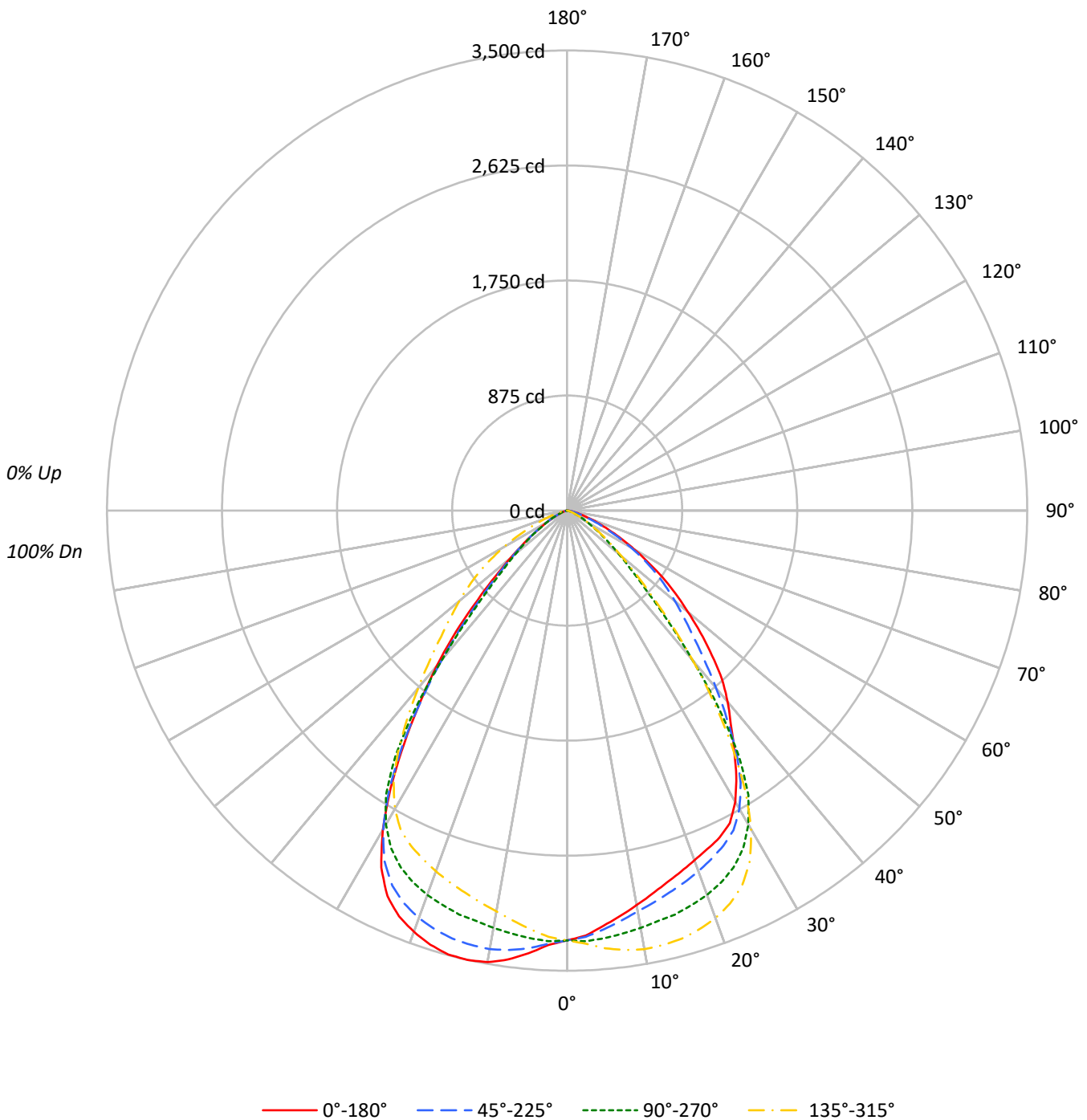
Input Watts (W): 53  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	100795	100795	100795	100795
5°	98118	101031	104640	101031
10°	95405	100900	109198	100900
15°	93499	101499	111588	101499
20°	92861	102079	111874	102079
25°	93349	101875	110075	101875
30°	91043	98146	99909	98146
35°	83276	85618	81232	85618
40°	76454	59556	62192	59556
45°	67934	36331	42039	36331
50°	57500	24269	26951	24269
55°	47622	16559	17505	16559
60°	36325	11027	11120	11027
65°	25735	6866	6290	6866
70°	18564	4598	4174	4598
75°	11783	2288	1906	2288
80°	8222	1705	1403	1705
85°	7359	0	566	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	311.1	5.7
10°-20°	901.0	16.4
20°-30°	1364.2	24.8
30°-40°	1367.3	24.8
40°-50°	858.6	15.6
50°-60°	457.5	8.3
60°-70°	188.2	3.4
70°-80°	49.7	0.9
80°-90°	8.4	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°	2576.3	46.8
0°-40°	3943.6	71.6
0°-60°	5259.7	95.5
0°-90°	5506.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5506.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3269	3269	3269	3269	3269	
5°	3170	3264	3380	3264	3170	299
15°	2929	3179	3495	3179	2929	828
25°	2744	2994	3235	2994	2744	1258
35°	2212	2274	2158	2274	2212	1386
45°	1558	833	964	833	1558	1198
55°	886	308	326	308	886	790
65°	353	94	86	94	353	366
75°	99	19	16	19	99	112
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°	3268.7	3268.7	3268.7	3268.7	3268.7	3268.7	3268.7	3268.7	3268.7	3268.7	3268.7
2.5°	3235.2	3232.0	3230.4	3233.7	3235.2	3241.6	3240.0	3243.2	3243.2	3244.8	3248.0
5°	3169.8	3168.2	3169.8	3169.8	3176.2	3182.5	3181.0	3185.8	3188.9	3196.9	3200.1
7.5°	3109.2	3109.2	3107.5	3113.9	3117.1	3126.7	3125.1	3133.1	3137.9	3145.8	3157.0
10°	3046.9	3046.9	3048.5	3053.3	3054.9	3069.2	3069.2	3080.4	3086.8	3094.8	3109.2
12.5°	2986.2	2986.2	2995.8	2992.6	2999.0	3010.2	3015.0	3026.1	3035.7	3051.7	3066.1
15°	2928.8	2928.8	2932.0	2939.9	2944.7	2959.1	2967.1	2979.9	2991.0	3007.0	3027.8
17.5°	2879.3	2877.7	2879.3	2888.9	2898.5	2911.2	2917.6	2933.6	2944.7	2965.5	2984.7
20°	2829.8	2833.0	2833.0	2841.0	2847.4	2863.3	2869.7	2887.3	2900.1	2919.2	2941.6
22.5°	2786.7	2785.2	2785.2	2796.3	2801.1	2815.4	2821.8	2837.8	2852.2	2868.1	2888.9
25°	2743.6	2740.4	2746.9	2748.4	2751.6	2767.5	2772.3	2783.5	2797.9	2812.3	2833.0
27.5°	2679.8	2676.6	2678.2	2684.6	2689.4	2702.1	2705.3	2716.5	2727.7	2740.4	2758.0
30°	2556.9	2553.7	2552.1	2563.3	2568.1	2577.6	2582.4	2601.6	2604.8	2619.1	2631.9
32.5°	2394.1	2392.5	2395.7	2405.2	2410.0	2422.8	2429.2	2440.4	2448.3	2456.3	2469.1
35°	2212.2	2208.9	2212.2	2221.8	2221.8	2232.9	2237.7	2242.4	2240.9	2242.4	2239.3
37.5°	2043.0	2041.4	2043.0	2047.7	2043.0	2047.7	2043.0	2033.4	2015.9	1996.7	1977.5
40°	1899.3	1900.9	1891.4	1897.7	1880.1	1877.0	1859.4	1835.5	1800.4	1762.1	1707.8
42.5°	1746.1	1741.3	1734.9	1738.1	1723.8	1712.5	1683.8	1653.6	1608.8	1545.0	1479.5
45°	1557.8	1556.2	1553.0	1551.4	1541.8	1530.6	1506.7	1471.6	1422.1	1356.7	1278.4
47.5°	1374.2	1369.4	1369.4	1371.0	1359.8	1358.3	1339.1	1308.8	1265.7	1201.8	1120.4
50°	1198.6	1197.0	1200.3	1206.6	1198.6	1195.5	1182.7	1162.0	1123.7	1069.4	992.7
52.5°	1040.6	1039.0	1042.3	1050.2	1047.0	1050.2	1037.5	1021.5	995.9	943.3	876.2
55°	885.8	885.8	885.8	895.4	895.4	895.4	889.0	879.5	855.5	817.2	755.0
57.5°	724.6	726.2	735.8	737.4	735.8	739.0	737.4	727.8	711.9	684.7	636.9
60°	589.0	589.0	593.8	598.6	596.9	598.6	598.6	593.8	577.8	555.5	517.2
62.5°	466.0	470.8	467.6	470.8	477.2	470.8	467.6	464.5	453.3	438.9	407.0
65°	352.7	355.9	355.9	357.5	354.3	355.9	349.6	344.8	338.4	322.4	301.7
67.5°	268.2	268.2	268.2	268.2	266.5	264.9	263.4	258.6	247.4	241.0	218.6
70°	205.9	196.3	196.3	196.3	196.3	197.9	193.1	186.8	183.6	172.4	156.4
72.5°	137.2	140.5	137.2	137.2	134.1	135.7	129.3	126.1	122.9	116.5	107.0
75°	98.9	91.0	94.1	95.8	91.0	94.1	87.8	81.4	81.4	76.6	71.8
77.5°	63.9	62.3	63.9	65.4	63.9	62.3	59.1	55.8	55.8	54.3	49.5
80°	46.3	44.7	44.7	44.7	43.1	44.7	41.5	41.5	38.3	36.7	33.5
82.5°	30.4	30.4	28.7	30.4	28.7	30.4	25.6	25.6	25.6	23.9	20.8
85°	20.8	17.5	17.5	19.2	16.0	19.2	17.5	16.0	14.4	14.4	12.7
87.5°	9.6	11.2	9.6	11.2	9.6	9.6	11.2	9.6	9.6	6.4	6.4
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°	3268.7	3268.7	3268.7	3268.7	3268.7	3268.7	3268.7	3268.7	3268.7	3268.7	3268.7
2.5°	3252.8	3254.4	3254.4	3260.8	3263.9	3265.5	3265.5	3278.3	3273.5	3276.8	3279.9
5°	3206.5	3216.1	3219.3	3219.3	3236.8	3243.2	3249.6	3263.9	3265.5	3275.1	3286.3
7.5°	3161.8	3173.0	3179.4	3193.7	3204.9	3216.1	3235.2	3244.8	3254.4	3267.2	3281.5
10°	3118.7	3131.5	3144.2	3155.4	3173.0	3187.3	3200.1	3222.4	3233.7	3251.2	3270.3
12.5°	3077.2	3094.8	3105.9	3125.1	3144.2	3157.0	3176.2	3196.9	3214.5	3232.0	3254.4
15°	3040.5	3061.3	3074.0	3094.8	3115.5	3133.1	3153.8	3179.4	3192.1	3212.9	3233.7
17.5°	3000.6	3023.0	3038.9	3058.1	3083.6	3102.7	3120.3	3145.8	3161.8	3184.1	3208.1
20°	2959.1	2981.5	3000.6	3019.8	3045.3	3064.4	3085.2	3110.7	3128.3	3150.6	3169.8
22.5°	2909.6	2930.4	2951.1	2973.4	2999.0	3015.0	3038.9	3061.3	3080.4	3101.1	3120.3
25°	2845.8	2871.3	2887.3	2908.0	2928.8	2946.3	2971.9	2994.2	3010.2	3029.3	3046.9
27.5°	2770.8	2790.0	2802.7	2820.2	2841.0	2857.0	2876.1	2898.5	2914.4	2932.0	2944.7
30°	2643.1	2660.7	2671.8	2684.6	2705.3	2719.7	2735.7	2756.4	2767.5	2780.4	2791.5
32.5°	2475.5	2489.9	2496.2	2505.8	2520.2	2534.5	2547.3	2564.9	2569.7	2577.6	2577.6
35°	2232.9	2236.1	2234.5	2237.7	2244.1	2252.0	2263.2	2274.4	2280.7	2280.7	2276.0
37.5°	1948.8	1929.7	1908.9	1892.9	1888.2	1884.9	1891.4	1896.1	1902.5	1905.7	1897.7
40°	1653.6	1610.5	1564.1	1522.6	1493.9	1481.2	1476.4	1479.5	1479.5	1490.7	1490.7
42.5°	1399.8	1332.7	1264.1	1201.8	1160.3	1128.4	1114.1	1114.1	1115.6	1123.7	1128.4
45°	1189.1	1104.5	1024.7	956.1	898.6	857.1	837.9	833.1	831.6	834.7	845.9
47.5°	1027.9	940.1	857.1	772.5	711.9	670.4	652.8	646.4	640.0	646.4	648.0
50°	901.8	810.8	723.0	638.4	574.6	537.8	515.5	505.9	504.3	504.3	507.6
52.5°	786.8	702.3	614.5	528.3	461.2	426.2	405.4	400.6	394.2	400.6	400.6
55°	678.3	593.8	507.6	426.2	370.3	333.6	314.4	308.0	304.8	309.6	309.6
57.5°	560.2	488.4	408.6	335.2	279.3	253.8	239.4	231.4	229.8	233.0	229.8
60°	459.7	399.0	330.4	263.4	220.3	193.1	182.0	178.8	175.5	178.8	178.8
62.5°	363.9	312.8	256.9	205.9	169.2	150.0	137.2	137.2	135.7	135.7	137.2
65°	269.7	229.8	189.9	146.8	118.1	103.7	94.1	94.1	92.6	94.1	92.6
67.5°	196.3	169.2	137.2	107.0	84.6	76.6	70.2	65.4	68.7	65.4	63.9
70°	143.7	121.3	98.9	81.4	65.4	57.5	52.7	51.0	47.9	47.9	47.9
72.5°	95.8	81.4	67.0	52.7	43.1	35.1	33.5	30.4	27.1	28.7	31.9
75°	63.9	54.3	47.9	38.3	28.7	28.7	19.2	19.2	16.0	19.2	14.4
77.5°	44.7	36.7	28.7	23.9	19.2	17.5	12.7	12.7	11.2	11.2	11.2
80°	31.9	27.1	20.8	17.5	12.7	12.7	11.2	9.6	7.9	7.9	9.6
82.5°	19.2	14.4	14.4	12.7	7.9	6.4	4.8	6.4	3.2	3.2	3.2
85°	11.2	9.6	7.9	4.8	3.2	3.2	1.6	0.0	1.6	1.6	0.0
87.5°	6.4	3.2	3.2	1.6	0.0	1.6	1.6	0.0	0.0	0.0	3.2
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°	3268.7	3268.7	3268.7	3268.7	3268.7	3268.7	3268.7	3268.7	3268.7	3268.7	3268.7
2.5°	3287.9	3286.3	3289.5	3289.5	3299.1	3297.4	3302.2	3302.2	3299.1	3300.7	3307.0
5°	3299.1	3303.9	3313.4	3321.4	3335.7	3342.2	3350.1	3358.1	3359.7	3364.5	3369.3
7.5°	3299.1	3315.1	3326.2	3340.5	3359.7	3370.9	3388.4	3402.8	3409.2	3417.1	3426.7
10°	3292.7	3308.6	3329.4	3345.3	3369.3	3386.9	3404.4	3426.7	3436.3	3449.1	3461.9
12.5°	3279.9	3297.4	3319.8	3340.5	3367.7	3383.6	3406.0	3426.7	3441.1	3458.7	3473.1
15°	3260.8	3281.5	3302.2	3323.0	3351.7	3370.9	3391.7	3415.6	3430.0	3449.1	3461.9
17.5°	3230.4	3252.8	3272.0	3291.1	3318.2	3340.5	3359.7	3382.1	3396.4	3412.4	3430.0
20°	3193.7	3214.5	3235.2	3251.2	3278.3	3297.4	3318.2	3339.0	3350.1	3353.4	3380.5
22.5°	3147.5	3161.8	3177.7	3203.3	3219.3	3236.8	3256.0	3275.1	3286.3	3303.9	3313.4
25°	3070.8	3085.2	3102.7	3113.9	3133.1	3147.5	3166.6	3187.3	3193.7	3206.5	3216.1
27.5°	2963.9	2971.9	2979.9	2989.4	3000.6	3008.6	3019.8	3029.3	3035.7	3042.1	3048.5
30°	2794.7	2794.7	2794.7	2788.3	2793.1	2797.9	2799.5	2797.9	2797.9	2796.3	2796.3
32.5°	2571.3	2558.5	2544.1	2531.4	2526.6	2520.2	2517.0	2512.2	2504.2	2499.4	2501.0
35°	2269.6	2240.9	2223.3	2207.4	2194.6	2185.0	2180.2	2175.4	2173.9	2167.5	2161.0
37.5°	1892.9	1872.2	1859.4	1849.8	1838.7	1829.1	1830.7	1832.3	1837.0	1833.9	1835.5
40°	1493.9	1489.1	1493.9	1482.7	1479.5	1482.7	1490.7	1501.9	1508.3	1514.7	1525.8
42.5°	1136.4	1144.3	1155.6	1155.6	1160.3	1166.7	1176.3	1193.9	1203.4	1214.6	1227.4
45°	855.5	865.1	879.5	884.2	887.4	895.4	906.6	920.9	927.3	936.9	948.0
47.5°	659.2	665.6	673.5	681.5	689.5	692.7	703.9	703.9	711.9	718.2	721.4
50°	513.9	520.3	526.7	531.5	534.7	539.5	542.6	547.4	549.0	552.2	553.8
52.5°	402.2	410.2	410.2	413.4	418.2	422.9	421.4	422.9	424.5	424.5	429.3
55°	314.4	314.4	319.2	319.2	322.4	320.8	322.4	322.4	322.4	322.4	324.0
57.5°	234.6	236.2	241.0	237.8	236.2	239.4	236.2	239.4	237.8	241.0	236.2
60°	180.3	180.3	182.0	182.0	183.6	183.6	183.6	182.0	182.0	180.3	180.3
62.5°	135.7	137.2	138.9	137.2	137.2	137.2	135.7	135.7	134.1	132.4	132.4
65°	91.0	89.4	92.6	89.4	91.0	91.0	89.4	91.0	86.2	87.8	86.2
67.5°	65.4	63.9	62.3	63.9	62.3	60.6	60.6	62.3	63.9	59.1	59.1
70°	43.1	44.7	43.1	44.7	46.3	46.3	44.7	43.1	44.7	41.5	43.1
72.5°	27.1	27.1	27.1	27.1	27.1	28.7	28.7	28.7	25.6	25.6	23.9
75°	12.7	17.5	14.4	12.7	17.5	17.5	16.0	16.0	14.4	14.4	14.4
77.5°	12.7	9.6	9.6	9.6	9.6	9.6	9.6	9.6	7.9	9.6	7.9
80°	6.4	6.4	6.4	4.8	6.4	6.4	7.9	6.4	6.4	4.8	7.9
82.5°	3.2	3.2	3.2	0.0	1.6	3.2	3.2	1.6	3.2	3.2	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: P244535

CATALOG NUMBER: LSR8B50D010 EC8B50835 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3268.7	3268.7	3268.7	3268.7	3268.7	3268.7	3268.7	3268.7	3268.7	3268.7	3268.7
2.5°	3305.5	3303.9	3305.5	3307.0	3305.5	3303.9	3305.5	3307.0	3300.7	3299.1	3302.2
5°	3375.7	3375.7	3378.8	3380.5	3378.8	3375.7	3375.7	3369.3	3364.5	3359.7	3358.1
7.5°	3436.3	3439.5	3442.7	3444.3	3442.7	3439.5	3436.3	3426.7	3417.1	3409.2	3402.8
10°	3473.1	3477.8	3484.2	3487.4	3484.2	3477.8	3473.1	3461.9	3449.1	3436.3	3426.7
12.5°	3489.0	3493.8	3501.8	3500.2	3501.8	3493.8	3489.0	3473.1	3458.7	3441.1	3426.7
15°	3477.8	3484.2	3492.2	3495.4	3492.2	3484.2	3477.8	3461.9	3449.1	3430.0	3415.6
17.5°	3442.7	3452.3	3457.1	3461.9	3457.1	3452.3	3442.7	3430.0	3412.4	3396.4	3382.1
20°	3394.8	3401.2	3407.6	3409.2	3407.6	3401.2	3394.8	3380.5	3353.4	3350.1	3339.0
22.5°	3326.2	3331.0	3345.3	3340.5	3345.3	3331.0	3326.2	3313.4	3303.9	3286.3	3275.1
25°	3227.2	3232.0	3233.7	3235.2	3233.7	3232.0	3227.2	3216.1	3206.5	3193.7	3187.3
27.5°	3056.5	3056.5	3059.6	3061.3	3059.6	3056.5	3056.5	3048.5	3042.1	3035.7	3029.3
30°	2797.9	2797.9	2797.9	2805.9	2797.9	2797.9	2797.9	2796.3	2796.3	2797.9	2797.9
32.5°	2499.4	2496.2	2493.1	2496.2	2493.1	2496.2	2499.4	2501.0	2499.4	2504.2	2512.2
35°	2161.0	2159.5	2164.3	2157.9	2164.3	2159.5	2161.0	2161.0	2167.5	2173.9	2175.4
37.5°	1837.0	1833.9	1840.3	1833.9	1840.3	1833.9	1837.0	1835.5	1833.9	1837.0	1832.3
40°	1529.1	1532.2	1532.2	1545.0	1532.2	1532.2	1529.1	1525.8	1514.7	1508.3	1501.9
42.5°	1233.8	1243.4	1240.1	1249.7	1240.1	1243.4	1233.8	1227.4	1214.6	1203.4	1193.9
45°	954.4	960.9	960.9	964.0	960.9	960.9	954.4	948.0	936.9	927.3	920.9
47.5°	732.6	732.6	732.6	734.2	732.6	732.6	732.6	721.4	718.2	711.9	703.9
50°	557.0	558.6	560.2	561.8	560.2	558.6	557.0	553.8	552.2	549.0	547.4
52.5°	427.7	429.3	426.2	429.3	426.2	429.3	427.7	429.3	424.5	424.5	422.9
55°	324.0	322.4	324.0	325.6	324.0	322.4	324.0	324.0	322.4	322.4	322.4
57.5°	237.8	234.6	234.6	234.6	234.6	234.6	237.8	236.2	241.0	237.8	239.4
60°	177.2	178.8	178.8	180.3	178.8	178.8	177.2	180.3	180.3	182.0	182.0
62.5°	130.9	135.7	132.4	135.7	132.4	135.7	130.9	132.4	132.4	134.1	135.7
65°	84.6	84.6	84.6	86.2	84.6	84.6	84.6	86.2	87.8	86.2	91.0
67.5°	57.5	59.1	62.3	60.6	62.3	59.1	57.5	59.1	59.1	63.9	62.3
70°	46.3	41.5	41.5	46.3	41.5	41.5	46.3	43.1	41.5	44.7	43.1
72.5°	27.1	23.9	27.1	27.1	27.1	23.9	27.1	23.9	25.6	25.6	28.7
75°	14.4	12.7	11.2	16.0	11.2	12.7	14.4	14.4	14.4	14.4	16.0
77.5°	9.6	7.9	11.2	11.2	11.2	7.9	9.6	7.9	9.6	7.9	9.6
80°	4.8	6.4	4.8	7.9	4.8	6.4	4.8	7.9	4.8	6.4	6.4
82.5°	1.6	3.2	3.2	3.2	3.2	3.2	1.6	1.6	3.2	3.2	1.6
85°	0.0	3.2	1.6	1.6	1.6	3.2	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: P244535

CATALOG NUMBER: LSR8B50D010 EC8B50835 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3268.7	3268.7	3268.7	3268.7	3268.7	3268.7	3268.7	3268.7	3268.7	3268.7	3268.7
2.5°	3302.2	3297.4	3299.1	3289.5	3289.5	3286.3	3287.9	3279.9	3276.8	3273.5	3278.3
5°	3350.1	3342.2	3335.7	3321.4	3313.4	3303.9	3299.1	3286.3	3275.1	3265.5	3263.9
7.5°	3388.4	3370.9	3359.7	3340.5	3326.2	3315.1	3299.1	3281.5	3267.2	3254.4	3244.8
10°	3404.4	3386.9	3369.3	3345.3	3329.4	3308.6	3292.7	3270.3	3251.2	3233.7	3222.4
12.5°	3406.0	3383.6	3367.7	3340.5	3319.8	3297.4	3279.9	3254.4	3232.0	3214.5	3196.9
15°	3391.7	3370.9	3351.7	3323.0	3302.2	3281.5	3260.8	3233.7	3212.9	3192.1	3179.4
17.5°	3359.7	3340.5	3318.2	3291.1	3272.0	3252.8	3230.4	3208.1	3184.1	3161.8	3145.8
20°	3318.2	3297.4	3278.3	3251.2	3235.2	3214.5	3193.7	3169.8	3150.6	3128.3	3110.7
22.5°	3256.0	3236.8	3219.3	3203.3	3177.7	3161.8	3147.5	3120.3	3101.1	3080.4	3061.3
25°	3166.6	3147.5	3133.1	3113.9	3102.7	3085.2	3070.8	3046.9	3029.3	3010.2	2994.2
27.5°	3019.8	3008.6	3000.6	2989.4	2979.9	2971.9	2963.9	2944.7	2932.0	2914.4	2898.5
30°	2799.5	2797.9	2793.1	2788.3	2794.7	2794.7	2794.7	2791.5	2780.4	2767.5	2756.4
32.5°	2517.0	2520.2	2526.6	2531.4	2544.1	2558.5	2571.3	2577.6	2577.6	2569.7	2564.9
35°	2180.2	2185.0	2194.6	2207.4	2223.3	2240.9	2269.6	2276.0	2280.7	2280.7	2274.4
37.5°	1830.7	1829.1	1838.7	1849.8	1859.4	1872.2	1892.9	1897.7	1905.7	1902.5	1896.1
40°	1490.7	1482.7	1479.5	1482.7	1493.9	1489.1	1493.9	1490.7	1490.7	1479.5	1479.5
42.5°	1176.3	1166.7	1160.3	1155.6	1155.6	1144.3	1136.4	1128.4	1123.7	1115.6	1114.1
45°	906.6	895.4	887.4	884.2	879.5	865.1	855.5	845.9	834.7	831.6	833.1
47.5°	703.9	692.7	689.5	681.5	673.5	665.6	659.2	648.0	646.4	640.0	646.4
50°	542.6	539.5	534.7	531.5	526.7	520.3	513.9	507.6	504.3	504.3	505.9
52.5°	421.4	422.9	418.2	413.4	410.2	410.2	402.2	400.6	400.6	394.2	400.6
55°	322.4	320.8	322.4	319.2	319.2	314.4	314.4	309.6	309.6	304.8	308.0
57.5°	236.2	239.4	236.2	237.8	241.0	236.2	234.6	229.8	233.0	229.8	231.4
60°	183.6	183.6	183.6	182.0	182.0	180.3	180.3	178.8	178.8	175.5	178.8
62.5°	135.7	137.2	137.2	137.2	138.9	137.2	135.7	137.2	135.7	135.7	137.2
65°	89.4	91.0	91.0	89.4	92.6	89.4	91.0	92.6	94.1	92.6	94.1
67.5°	60.6	60.6	62.3	63.9	62.3	63.9	65.4	63.9	65.4	68.7	65.4
70°	44.7	46.3	46.3	44.7	43.1	44.7	43.1	47.9	47.9	47.9	51.0
72.5°	28.7	28.7	27.1	27.1	27.1	27.1	27.1	31.9	28.7	27.1	30.4
75°	16.0	17.5	17.5	12.7	14.4	17.5	12.7	14.4	19.2	16.0	19.2
77.5°	9.6	9.6	9.6	9.6	9.6	9.6	12.7	11.2	11.2	11.2	12.7
80°	7.9	6.4	6.4	4.8	6.4	6.4	6.4	9.6	7.9	7.9	9.6
82.5°	3.2	3.2	1.6	0.0	3.2	3.2	3.2	3.2	3.2	3.2	6.4
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	3.2	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: P244535

CATALOG NUMBER: LSR8B50D010 EC8B50835 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3268.7	3268.7	3268.7	3268.7	3268.7	3268.7	3268.7	3268.7	3268.7	3268.7	3268.7
2.5°	3265.5	3265.5	3263.9	3260.8	3254.4	3254.4	3252.8	3248.0	3244.8	3243.2	3243.2
5°	3249.6	3243.2	3236.8	3219.3	3219.3	3216.1	3206.5	3200.1	3196.9	3188.9	3185.8
7.5°	3235.2	3216.1	3204.9	3193.7	3179.4	3173.0	3161.8	3157.0	3145.8	3137.9	3133.1
10°	3200.1	3187.3	3173.0	3155.4	3144.2	3131.5	3118.7	3109.2	3094.8	3086.8	3080.4
12.5°	3176.2	3157.0	3144.2	3125.1	3105.9	3094.8	3077.2	3066.1	3051.7	3035.7	3026.1
15°	3153.8	3133.1	3115.5	3094.8	3074.0	3061.3	3040.5	3027.8	3007.0	2991.0	2979.9
17.5°	3120.3	3102.7	3083.6	3058.1	3038.9	3023.0	3000.6	2984.7	2965.5	2944.7	2933.6
20°	3085.2	3064.4	3045.3	3019.8	3000.6	2981.5	2959.1	2941.6	2919.2	2900.1	2887.3
22.5°	3038.9	3015.0	2999.0	2973.4	2951.1	2930.4	2909.6	2888.9	2868.1	2852.2	2837.8
25°	2971.9	2946.3	2928.8	2908.0	2887.3	2871.3	2845.8	2833.0	2812.3	2797.9	2783.5
27.5°	2876.1	2857.0	2841.0	2820.2	2802.7	2790.0	2770.8	2758.0	2740.4	2727.7	2716.5
30°	2735.7	2719.7	2705.3	2684.6	2671.8	2660.7	2643.1	2631.9	2619.1	2604.8	2601.6
32.5°	2547.3	2534.5	2520.2	2505.8	2496.2	2489.9	2475.5	2469.1	2456.3	2448.3	2440.4
35°	2263.2	2252.0	2244.1	2237.7	2234.5	2236.1	2232.9	2239.3	2242.4	2240.9	2242.4
37.5°	1891.4	1884.9	1888.2	1892.9	1908.9	1929.7	1948.8	1977.5	1996.7	2015.9	2033.4
40°	1476.4	1481.2	1493.9	1522.6	1564.1	1610.5	1653.6	1707.8	1762.1	1800.4	1835.5
42.5°	1114.1	1128.4	1160.3	1201.8	1264.1	1332.7	1399.8	1479.5	1545.0	1608.8	1653.6
45°	837.9	857.1	898.6	956.1	1024.7	1104.5	1189.1	1278.4	1356.7	1422.1	1471.6
47.5°	652.8	670.4	711.9	772.5	857.1	940.1	1027.9	1120.4	1201.8	1265.7	1308.8
50°	515.5	537.8	574.6	638.4	723.0	810.8	901.8	992.7	1069.4	1123.7	1162.0
52.5°	405.4	426.2	461.2	528.3	614.5	702.3	786.8	876.2	943.3	995.9	1021.5
55°	314.4	333.6	370.3	426.2	507.6	593.8	678.3	755.0	817.2	855.5	879.5
57.5°	239.4	253.8	279.3	335.2	408.6	488.4	560.2	636.9	684.7	711.9	727.8
60°	182.0	193.1	220.3	263.4	330.4	399.0	459.7	517.2	555.5	577.8	593.8
62.5°	137.2	150.0	169.2	205.9	256.9	312.8	363.9	407.0	438.9	453.3	464.5
65°	94.1	103.7	118.1	146.8	189.9	229.8	269.7	301.7	322.4	338.4	344.8
67.5°	70.2	76.6	84.6	107.0	137.2	169.2	196.3	218.6	241.0	247.4	258.6
70°	52.7	57.5	65.4	81.4	98.9	121.3	143.7	156.4	172.4	183.6	186.8
72.5°	33.5	35.1	43.1	52.7	67.0	81.4	95.8	107.0	116.5	122.9	126.1
75°	19.2	28.7	28.7	38.3	47.9	54.3	63.9	71.8	76.6	81.4	81.4
77.5°	12.7	17.5	19.2	23.9	28.7	36.7	44.7	49.5	54.3	55.8	55.8
80°	11.2	12.7	12.7	17.5	20.8	27.1	31.9	33.5	36.7	38.3	41.5
82.5°	4.8	6.4	7.9	12.7	14.4	14.4	19.2	20.8	23.9	25.6	25.6
85°	1.6	3.2	3.2	4.8	7.9	9.6	11.2	12.7	14.4	14.4	16.0
87.5°	1.6	1.6	0.0	1.6	3.2	3.2	6.4	6.4	6.4	9.6	9.6
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: P244535

CATALOG NUMBER: LSR8B50D010 EC8B50835 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	3268.7	3268.7	3268.7	3268.7	3268.7	3268.7	3268.7
2.5°	3240.0	3241.6	3235.2	3233.7	3230.4	3232.0	3235.2
5°	3181.0	3182.5	3176.2	3169.8	3169.8	3168.2	3169.8
7.5°	3125.1	3126.7	3117.1	3113.9	3107.5	3109.2	3109.2
10°	3069.2	3069.2	3054.9	3053.3	3048.5	3046.9	3046.9
12.5°	3015.0	3010.2	2999.0	2992.6	2995.8	2986.2	2986.2
15°	2967.1	2959.1	2944.7	2939.9	2932.0	2928.8	2928.8
17.5°	2917.6	2911.2	2898.5	2888.9	2879.3	2877.7	2879.3
20°	2869.7	2863.3	2847.4	2841.0	2833.0	2833.0	2829.8
22.5°	2821.8	2815.4	2801.1	2796.3	2785.2	2785.2	2786.7
25°	2772.3	2767.5	2751.6	2748.4	2746.9	2740.4	2743.6
27.5°	2705.3	2702.1	2689.4	2684.6	2678.2	2676.6	2679.8
30°	2582.4	2577.6	2568.1	2563.3	2552.1	2553.7	2556.9
32.5°	2429.2	2422.8	2410.0	2405.2	2395.7	2392.5	2394.1
35°	2237.7	2232.9	2221.8	2221.8	2212.2	2208.9	2212.2
37.5°	2043.0	2047.7	2043.0	2047.7	2043.0	2041.4	2043.0
40°	1859.4	1877.0	1880.1	1897.7	1891.4	1900.9	1899.3
42.5°	1683.8	1712.5	1723.8	1738.1	1734.9	1741.3	1746.1
45°	1506.7	1530.6	1541.8	1551.4	1553.0	1556.2	1557.8
47.5°	1339.1	1358.3	1359.8	1371.0	1369.4	1369.4	1374.2
50°	1182.7	1195.5	1198.6	1206.6	1200.3	1197.0	1198.6
52.5°	1037.5	1050.2	1047.0	1050.2	1042.3	1039.0	1040.6
55°	889.0	895.4	895.4	895.4	885.8	885.8	885.8
57.5°	737.4	739.0	735.8	737.4	735.8	726.2	724.6
60°	598.6	598.6	596.9	598.6	593.8	589.0	589.0
62.5°	467.6	470.8	477.2	470.8	467.6	470.8	466.0
65°	349.6	355.9	354.3	357.5	355.9	355.9	352.7
67.5°	263.4	264.9	266.5	268.2	268.2	268.2	268.2
70°	193.1	197.9	196.3	196.3	196.3	196.3	205.9
72.5°	129.3	135.7	134.1	137.2	137.2	140.5	137.2
75°	87.8	94.1	91.0	95.8	94.1	91.0	98.9
77.5°	59.1	62.3	63.9	65.4	63.9	62.3	63.9
80°	41.5	44.7	43.1	44.7	44.7	44.7	46.3
82.5°	25.6	30.4	28.7	30.4	28.7	30.4	30.4
85°	17.5	19.2	16.0	19.2	17.5	17.5	20.8
87.5°	11.2	9.6	9.6	11.2	9.6	11.2	9.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)