

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: P248850

Luminaire Tested: **LSR8B80D010 EC8B809727 8LBSW0GPH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P248850  
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 EC8B809727 8LBSW0GPH  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT- CYLINDEC  
97 CRI 2700 CCT WITH GRAPHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5394.0 lumens  
Efficiency: N/A  
Efficacy: 72.5 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

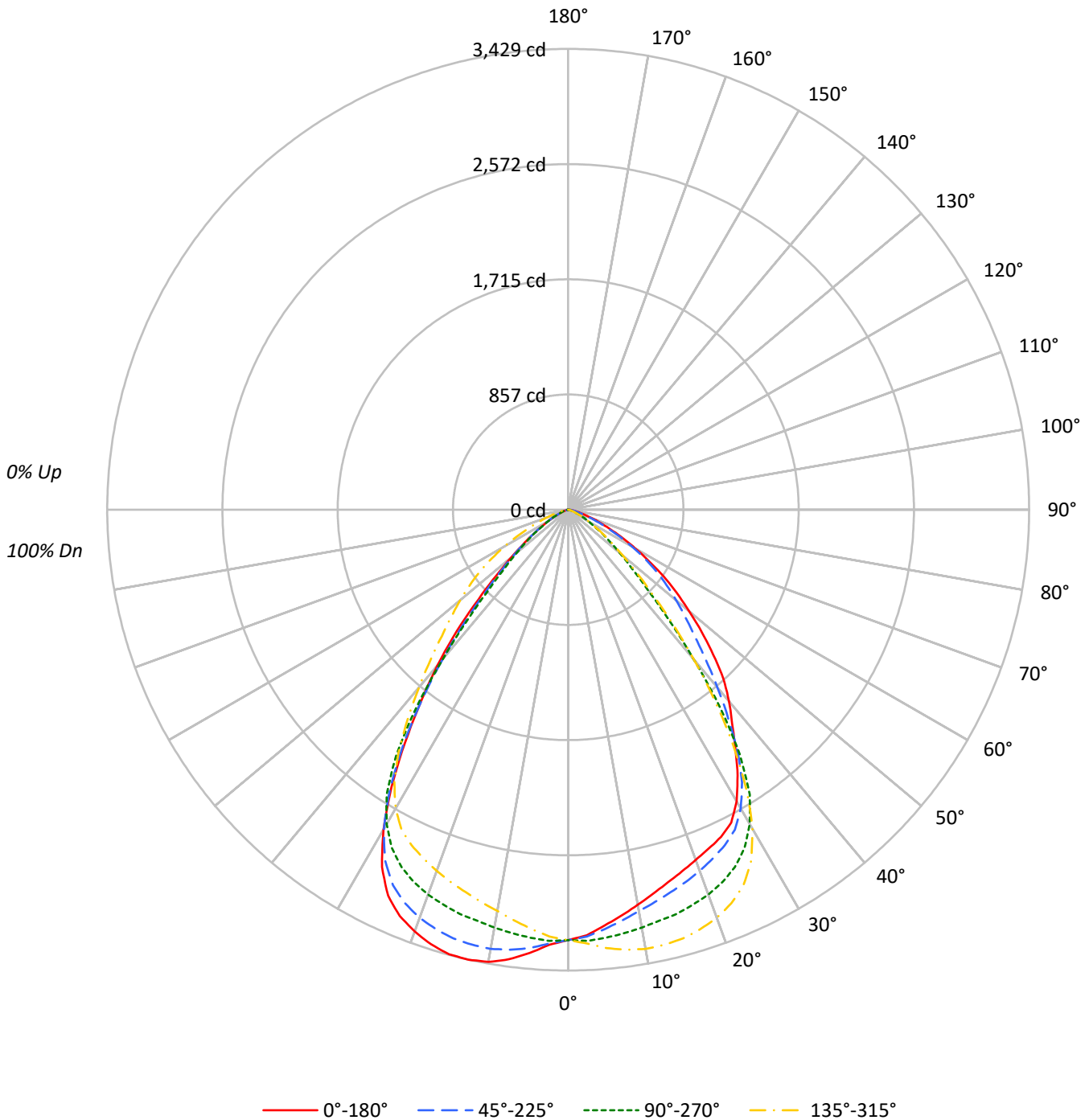
Input Watts (W): 74.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	304.8	5.7
10°-20°	882.6	16.4
20°-30°	1336.5	24.8
30°-40°	1339.5	24.8
40°-50°	841.1	15.6
50°-60°	448.2	8.3
60°-70°	184.3	3.4
70°-80°	48.7	0.9
80°-90°	8.2	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°	2523.9	46.8
0°-40°	3863.4	71.6
0°-60°	5152.7	95.5
0°-90°	5394.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5394.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3202	3202	3202	3202	3202	
5°	3105	3198	3312	3198	3105	293
15°	2869	3115	3424	3115	2869	811
25°	2688	2933	3169	2933	2688	1233
35°	2167	2228	2114	2228	2167	1358
45°	1526	816	944	816	1526	1174
55°	868	302	319	302	868	774
65°	346	92	84	92	346	358
75°	97	19	16	19	97	110
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°	3202.2	3202.2	3202.2	3202.2	3202.2	3202.2	3202.2	3202.2	3202.2	3202.2	3202.2
2.5°	3169.4	3166.3	3164.7	3167.9	3169.4	3175.7	3174.1	3177.2	3177.2	3178.8	3181.9
5°	3105.3	3103.7	3105.3	3105.3	3111.6	3117.8	3116.3	3121.0	3124.1	3131.9	3135.0
7.5°	3045.9	3045.9	3044.3	3050.6	3053.7	3063.1	3061.5	3069.3	3074.0	3081.8	3092.8
10°	2984.9	2984.9	2986.5	2991.1	2992.8	3006.8	3006.8	3017.7	3024.0	3031.8	3045.9
12.5°	2925.5	2925.5	2934.9	2931.7	2938.0	2948.9	2953.6	2964.6	2974.0	2989.6	3003.7
15°	2869.2	2869.2	2872.3	2880.1	2884.8	2898.9	2906.7	2919.3	2930.2	2945.8	2966.2
17.5°	2820.7	2819.2	2820.7	2830.1	2839.5	2852.0	2858.2	2873.9	2884.8	2905.2	2924.0
20°	2772.3	2775.4	2775.4	2783.2	2789.4	2805.1	2811.3	2828.6	2841.1	2859.8	2881.7
22.5°	2730.0	2728.5	2728.5	2739.4	2744.1	2758.2	2764.4	2780.1	2794.1	2809.8	2830.1
25°	2687.8	2684.7	2691.0	2692.5	2695.6	2711.3	2716.0	2726.9	2741.0	2755.1	2775.4
27.5°	2625.3	2622.2	2623.7	2630.0	2634.7	2647.2	2650.3	2661.2	2672.2	2684.7	2701.9
30°	2504.9	2501.8	2500.2	2511.2	2515.9	2525.2	2529.9	2548.7	2551.8	2565.9	2578.4
32.5°	2345.4	2343.8	2347.0	2356.3	2361.0	2373.6	2379.8	2390.7	2398.5	2406.4	2418.9
35°	2167.2	2164.0	2167.2	2176.6	2176.6	2187.5	2192.2	2196.8	2195.3	2196.8	2193.7
37.5°	2001.4	1999.8	2001.4	2006.1	2001.4	2006.1	2001.4	1992.0	1974.9	1956.1	1937.3
40°	1860.7	1862.2	1852.9	1859.1	1841.9	1838.8	1821.6	1798.1	1763.8	1726.2	1673.1
42.5°	1710.6	1705.9	1699.7	1702.7	1688.7	1677.7	1649.6	1619.9	1576.1	1513.6	1449.4
45°	1526.1	1524.5	1521.4	1519.8	1510.4	1499.5	1476.0	1441.6	1393.2	1329.1	1252.4
47.5°	1346.3	1341.6	1341.6	1343.1	1332.2	1330.6	1311.8	1282.2	1239.9	1177.4	1097.6
50°	1174.2	1172.7	1175.8	1182.1	1174.2	1171.1	1158.7	1138.3	1100.8	1047.6	972.5
52.5°	1019.4	1017.9	1021.1	1028.8	1025.7	1028.8	1016.4	1000.7	975.7	924.1	858.4
55°	867.8	867.8	867.8	877.1	877.1	877.1	870.9	861.6	838.1	800.6	739.6
57.5°	709.9	711.4	720.8	722.4	720.8	724.0	722.4	713.0	697.4	670.8	623.9
60°	577.0	577.0	581.7	586.4	584.8	586.4	586.4	581.7	566.0	544.2	506.6
62.5°	456.6	461.3	458.1	461.3	467.5	461.3	458.1	455.0	444.1	430.0	398.7
65°	345.5	348.7	348.7	350.2	347.1	348.7	342.5	337.8	331.5	315.9	295.5
67.5°	262.7	262.7	262.7	262.7	261.1	259.6	258.0	253.3	242.4	236.1	214.2
70°	201.7	192.3	192.3	192.3	192.3	193.9	189.2	183.0	179.8	168.9	153.2
72.5°	134.4	137.6	134.4	134.4	131.4	132.9	126.7	123.5	120.4	114.2	104.8
75°	96.9	89.1	92.2	93.8	89.1	92.2	86.0	79.7	79.7	75.0	70.3
77.5°	62.6	61.0	62.6	64.1	62.6	61.0	57.9	54.7	54.7	53.2	48.5
80°	45.4	43.8	43.8	43.8	42.2	43.8	40.7	40.7	37.5	36.0	32.8
82.5°	29.7	29.7	28.1	29.7	28.1	29.7	25.0	25.0	25.0	23.4	20.3
85°	20.3	17.2	17.2	18.8	15.6	18.8	17.2	15.6	14.1	14.1	12.5
87.5°	9.4	10.9	9.4	10.9	9.4	9.4	10.9	9.4	9.4	6.2	6.2
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):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	3202.2	3202.2	3202.2	3202.2	3202.2	3202.2	3202.2	3202.2	3202.2	3202.2	3202.2
2.5°	3186.6	3188.2	3188.2	3194.5	3197.5	3199.1	3199.1	3211.6	3206.9	3210.1	3213.2
5°	3141.3	3150.6	3153.8	3153.8	3171.0	3177.2	3183.5	3197.5	3199.1	3208.5	3219.4
7.5°	3097.5	3108.4	3114.7	3128.7	3139.7	3150.6	3169.4	3178.8	3188.2	3200.7	3214.7
10°	3055.3	3067.8	3080.3	3091.2	3108.4	3122.5	3135.0	3156.9	3167.9	3185.1	3203.8
12.5°	3014.6	3031.8	3042.8	3061.5	3080.3	3092.8	3111.6	3131.9	3149.1	3166.3	3188.2
15°	2978.7	2999.0	3011.5	3031.8	3052.2	3069.3	3089.7	3114.7	3127.2	3147.5	3167.9
17.5°	2939.5	2961.5	2977.1	2995.8	3020.9	3039.6	3056.9	3081.8	3097.5	3119.4	3142.8
20°	2898.9	2920.8	2939.5	2958.3	2983.4	3002.1	3022.4	3047.5	3064.6	3086.5	3105.3
22.5°	2850.5	2870.8	2891.1	2913.0	2938.0	2953.6	2977.1	2999.0	3017.7	3038.1	3056.9
25°	2787.9	2812.9	2828.6	2848.9	2869.2	2886.4	2911.4	2933.3	2948.9	2967.7	2984.9
27.5°	2714.4	2733.2	2745.7	2762.9	2783.2	2798.8	2817.6	2839.5	2855.2	2872.3	2884.8
30°	2589.3	2606.5	2617.5	2630.0	2650.3	2664.4	2680.0	2700.3	2711.3	2723.8	2734.7
32.5°	2425.1	2439.2	2445.4	2454.8	2468.9	2483.0	2495.5	2512.7	2517.4	2525.2	2525.2
35°	2187.5	2190.6	2189.0	2192.2	2198.4	2206.2	2217.2	2228.1	2234.4	2234.4	2229.7
37.5°	1909.1	1890.4	1870.1	1854.4	1849.7	1846.6	1852.9	1857.5	1863.8	1866.9	1859.1
40°	1619.9	1577.7	1532.3	1491.6	1463.5	1451.0	1446.3	1449.4	1449.4	1460.4	1460.4
42.5°	1371.3	1305.6	1238.4	1177.4	1136.7	1105.5	1091.4	1091.4	1092.9	1100.8	1105.5
45°	1164.9	1082.0	1003.8	936.6	880.3	839.6	820.9	816.2	814.7	817.7	828.7
47.5°	1007.0	921.0	839.6	756.8	697.4	656.7	639.5	633.2	627.0	633.2	634.8
50°	883.5	794.3	708.3	625.4	562.9	526.9	505.0	495.6	494.1	494.1	497.2
52.5°	770.8	688.0	602.0	517.6	451.9	417.5	397.2	392.5	386.2	392.5	392.5
55°	664.5	581.7	497.2	417.5	362.7	326.8	308.0	301.8	298.6	303.3	303.3
57.5°	548.9	478.4	400.3	328.4	273.7	248.6	234.5	226.7	225.1	228.3	225.1
60°	450.3	390.9	323.7	258.0	215.8	189.2	178.3	175.1	172.0	175.1	175.1
62.5°	356.5	306.5	251.7	201.7	165.7	147.0	134.4	134.4	132.9	132.9	134.4
65°	264.3	225.1	186.1	143.8	115.7	101.6	92.2	92.2	90.7	92.2	90.7
67.5°	192.3	165.7	134.4	104.8	82.9	75.0	68.8	64.1	67.3	64.1	62.6
70°	140.8	118.8	96.9	79.7	64.1	56.3	51.6	50.0	46.9	46.9	46.9
72.5°	93.8	79.7	65.6	51.6	42.2	34.4	32.8	29.7	26.6	28.1	31.3
75°	62.6	53.2	46.9	37.5	28.1	28.1	18.8	18.8	15.6	18.8	14.1
77.5°	43.8	36.0	28.1	23.4	18.8	17.2	12.5	12.5	10.9	10.9	10.9
80°	31.3	26.6	20.3	17.2	12.5	12.5	10.9	9.4	7.8	7.8	9.4
82.5°	18.8	14.1	14.1	12.5	7.8	6.2	4.7	6.2	3.2	3.2	3.2
85°	10.9	9.4	7.8	4.7	3.2	3.2	1.5	0.0	1.5	1.5	0.0
87.5°	6.2	3.2	3.2	1.5	0.0	1.5	1.5	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°	3202.2	3202.2	3202.2	3202.2	3202.2	3202.2	3202.2	3202.2	3202.2	3202.2	3202.2
2.5°	3221.0	3219.4	3222.6	3222.6	3232.0	3230.4	3235.1	3235.1	3232.0	3233.5	3239.8
5°	3232.0	3236.7	3246.0	3253.9	3267.9	3274.2	3282.0	3289.8	3291.4	3296.1	3300.8
7.5°	3232.0	3247.6	3258.6	3272.6	3291.4	3302.3	3319.5	3333.6	3339.8	3347.6	3357.0
10°	3225.7	3241.3	3261.7	3277.3	3300.8	3318.0	3335.1	3357.0	3366.4	3378.9	3391.5
12.5°	3213.2	3230.4	3252.3	3272.6	3299.2	3314.8	3336.7	3357.0	3371.1	3388.3	3402.4
15°	3194.5	3214.7	3235.1	3255.4	3283.5	3302.3	3322.7	3346.1	3360.2	3378.9	3391.5
17.5°	3164.7	3186.6	3205.4	3224.1	3250.7	3272.6	3291.4	3313.3	3327.4	3343.0	3360.2
20°	3128.7	3149.1	3169.4	3185.1	3211.6	3230.4	3250.7	3271.0	3282.0	3285.1	3311.7
22.5°	3083.4	3097.5	3113.1	3138.1	3153.8	3171.0	3189.8	3208.5	3219.4	3236.7	3246.0
25°	3008.3	3022.4	3039.6	3050.6	3069.3	3083.4	3102.2	3122.5	3128.7	3141.3	3150.6
27.5°	2903.6	2911.4	2919.3	2928.6	2939.5	2947.4	2958.3	2967.7	2974.0	2980.2	2986.5
30°	2737.8	2737.8	2737.8	2731.6	2736.3	2741.0	2742.5	2741.0	2741.0	2739.4	2739.4
32.5°	2518.9	2506.5	2492.4	2479.9	2475.2	2468.9	2465.8	2461.1	2453.3	2448.6	2450.1
35°	2223.4	2195.3	2178.1	2162.5	2150.0	2140.6	2135.9	2131.2	2129.6	2123.4	2117.1
37.5°	1854.4	1834.1	1821.6	1812.2	1801.3	1791.9	1793.4	1795.0	1799.7	1796.6	1798.1
40°	1463.5	1458.8	1463.5	1452.6	1449.4	1452.6	1460.4	1471.4	1477.6	1483.9	1494.8
42.5°	1113.3	1121.1	1132.1	1132.1	1136.7	1143.0	1152.3	1169.6	1178.9	1189.9	1202.4
45°	838.1	847.5	861.6	866.2	869.4	877.1	888.2	902.2	908.4	917.8	928.8
47.5°	645.8	652.0	659.8	667.7	675.4	678.6	689.5	689.5	697.4	703.6	706.7
50°	503.5	509.7	516.0	520.7	523.8	528.5	531.6	536.3	537.8	541.0	542.5
52.5°	394.0	401.9	401.9	404.9	409.6	414.3	412.8	414.3	415.9	415.9	420.6
55°	308.0	308.0	312.7	312.7	315.9	314.3	315.9	315.9	315.9	315.9	317.4
57.5°	229.8	231.4	236.1	233.0	231.4	234.5	231.4	234.5	233.0	236.1	231.4
60°	176.7	176.7	178.3	178.3	179.8	179.8	179.8	178.3	178.3	176.7	176.7
62.5°	132.9	134.4	136.1	134.4	134.4	134.4	132.9	132.9	131.4	129.7	129.7
65°	89.1	87.6	90.7	87.6	89.1	89.1	87.6	89.1	84.4	86.0	84.4
67.5°	64.1	62.6	61.0	62.6	61.0	59.4	59.4	61.0	62.6	57.9	57.9
70°	42.2	43.8	42.2	43.8	45.4	45.4	43.8	42.2	43.8	40.7	42.2
72.5°	26.6	26.6	26.6	26.6	26.6	28.1	28.1	28.1	25.0	25.0	23.4
75°	12.5	17.2	14.1	12.5	17.2	17.2	15.6	15.6	14.1	14.1	14.1
77.5°	12.5	9.4	9.4	9.4	9.4	9.4	9.4	9.4	7.8	9.4	7.8
80°	6.2	6.2	6.2	4.7	6.2	6.2	7.8	6.2	6.2	4.7	7.8
82.5°	3.2	3.2	3.2	0.0	1.5	3.2	3.2	1.5	3.2	3.2	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: P248850

CATALOG NUMBER: LSR8B80D010 EC8B809727 8LBSW0GPH

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3202.2	3202.2	3202.2	3202.2	3202.2	3202.2	3202.2	3202.2	3202.2	3202.2	3202.2
2.5°	3238.2	3236.7	3238.2	3239.8	3238.2	3236.7	3238.2	3239.8	3233.5	3232.0	3235.1
5°	3307.0	3307.0	3310.1	3311.7	3310.1	3307.0	3307.0	3300.8	3296.1	3291.4	3289.8
7.5°	3366.4	3369.6	3372.7	3374.2	3372.7	3369.6	3366.4	3357.0	3347.6	3339.8	3333.6
10°	3402.4	3407.1	3413.3	3416.4	3413.3	3407.1	3402.4	3391.5	3378.9	3366.4	3357.0
12.5°	3418.0	3422.7	3430.5	3429.0	3430.5	3422.7	3418.0	3402.4	3388.3	3371.1	3357.0
15°	3407.1	3413.3	3421.1	3424.3	3421.1	3413.3	3407.1	3391.5	3378.9	3360.2	3346.1
17.5°	3372.7	3382.1	3386.8	3391.5	3386.8	3382.1	3372.7	3360.2	3343.0	3327.4	3313.3
20°	3325.8	3332.1	3338.3	3339.8	3338.3	3332.1	3325.8	3311.7	3285.1	3282.0	3271.0
22.5°	3258.6	3263.3	3277.3	3272.6	3277.3	3263.3	3258.6	3246.0	3236.7	3219.4	3208.5
25°	3161.6	3166.3	3167.9	3169.4	3167.9	3166.3	3161.6	3150.6	3141.3	3128.7	3122.5
27.5°	2994.3	2994.3	2997.4	2999.0	2997.4	2994.3	2994.3	2986.5	2980.2	2974.0	2967.7
30°	2741.0	2741.0	2741.0	2748.8	2741.0	2741.0	2741.0	2739.4	2739.4	2741.0	2741.0
32.5°	2448.6	2445.4	2442.4	2445.4	2442.4	2445.4	2448.6	2450.1	2448.6	2453.3	2461.1
35°	2117.1	2115.5	2120.2	2114.0	2120.2	2115.5	2117.1	2117.1	2123.4	2129.6	2131.2
37.5°	1799.7	1796.6	1802.8	1796.6	1802.8	1796.6	1799.7	1798.1	1796.6	1799.7	1795.0
40°	1498.0	1501.0	1501.0	1513.6	1501.0	1501.0	1498.0	1494.8	1483.9	1477.6	1471.4
42.5°	1208.7	1218.1	1214.9	1224.3	1214.9	1218.1	1208.7	1202.4	1189.9	1178.9	1169.6
45°	935.0	941.3	941.3	944.4	941.3	941.3	935.0	928.8	917.8	908.4	902.2
47.5°	717.7	717.7	717.7	719.3	717.7	717.7	717.7	706.7	703.6	697.4	689.5
50°	545.7	547.2	548.9	550.4	548.9	547.2	545.7	542.5	541.0	537.8	536.3
52.5°	419.0	420.6	417.5	420.6	417.5	420.6	419.0	420.6	415.9	415.9	414.3
55°	317.4	315.9	317.4	319.0	317.4	315.9	317.4	317.4	315.9	315.9	315.9
57.5°	233.0	229.8	229.8	229.8	229.8	229.8	233.0	231.4	236.1	233.0	234.5
60°	173.6	175.1	175.1	176.7	175.1	175.1	173.6	176.7	176.7	178.3	178.3
62.5°	128.2	132.9	129.7	132.9	129.7	132.9	128.2	129.7	129.7	131.4	132.9
65°	82.9	82.9	82.9	84.4	82.9	82.9	82.9	84.4	86.0	84.4	89.1
67.5°	56.3	57.9	61.0	59.4	61.0	57.9	56.3	57.9	57.9	62.6	61.0
70°	45.4	40.7	40.7	45.4	40.7	40.7	45.4	42.2	40.7	43.8	42.2
72.5°	26.6	23.4	26.6	26.6	26.6	23.4	26.6	23.4	25.0	25.0	28.1
75°	14.1	12.5	10.9	15.6	10.9	12.5	14.1	14.1	14.1	14.1	15.6
77.5°	9.4	7.8	10.9	10.9	10.9	7.8	9.4	7.8	9.4	7.8	9.4
80°	4.7	6.2	4.7	7.8	4.7	6.2	4.7	7.8	4.7	6.2	6.2
82.5°	1.5	3.2	3.2	3.2	3.2	3.2	1.5	1.5	3.2	3.2	1.5
85°	0.0	3.2	1.5	1.5	1.5	3.2	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: P248850

CATALOG NUMBER: LSR8B80D010 EC8B809727 8LBSW0GPH

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3202.2	3202.2	3202.2	3202.2	3202.2	3202.2	3202.2	3202.2	3202.2	3202.2	3202.2
2.5°	3235.1	3230.4	3232.0	3222.6	3222.6	3219.4	3221.0	3213.2	3210.1	3206.9	3211.6
5°	3282.0	3274.2	3267.9	3253.9	3246.0	3236.7	3232.0	3219.4	3208.5	3199.1	3197.5
7.5°	3319.5	3302.3	3291.4	3272.6	3258.6	3247.6	3232.0	3214.7	3200.7	3188.2	3178.8
10°	3335.1	3318.0	3300.8	3277.3	3261.7	3241.3	3225.7	3203.8	3185.1	3167.9	3156.9
12.5°	3336.7	3314.8	3299.2	3272.6	3252.3	3230.4	3213.2	3188.2	3166.3	3149.1	3131.9
15°	3322.7	3302.3	3283.5	3255.4	3235.1	3214.7	3194.5	3167.9	3147.5	3127.2	3114.7
17.5°	3291.4	3272.6	3250.7	3224.1	3205.4	3186.6	3164.7	3142.8	3119.4	3097.5	3081.8
20°	3250.7	3230.4	3211.6	3185.1	3169.4	3149.1	3128.7	3105.3	3086.5	3064.6	3047.5
22.5°	3189.8	3171.0	3153.8	3138.1	3113.1	3097.5	3083.4	3056.9	3038.1	3017.7	2999.0
25°	3102.2	3083.4	3069.3	3050.6	3039.6	3022.4	3008.3	2984.9	2967.7	2948.9	2933.3
27.5°	2958.3	2947.4	2939.5	2928.6	2919.3	2911.4	2903.6	2884.8	2872.3	2855.2	2839.5
30°	2742.5	2741.0	2736.3	2731.6	2737.8	2737.8	2737.8	2734.7	2723.8	2711.3	2700.3
32.5°	2465.8	2468.9	2475.2	2479.9	2492.4	2506.5	2518.9	2525.2	2525.2	2517.4	2512.7
35°	2135.9	2140.6	2150.0	2162.5	2178.1	2195.3	2223.4	2229.7	2234.4	2234.4	2228.1
37.5°	1793.4	1791.9	1801.3	1812.2	1821.6	1834.1	1854.4	1859.1	1866.9	1863.8	1857.5
40°	1460.4	1452.6	1449.4	1452.6	1463.5	1458.8	1463.5	1460.4	1460.4	1449.4	1449.4
42.5°	1152.3	1143.0	1136.7	1132.1	1132.1	1121.1	1113.3	1105.5	1100.8	1092.9	1091.4
45°	888.2	877.1	869.4	866.2	861.6	847.5	838.1	828.7	817.7	814.7	816.2
47.5°	689.5	678.6	675.4	667.7	659.8	652.0	645.8	634.8	633.2	627.0	633.2
50°	531.6	528.5	523.8	520.7	516.0	509.7	503.5	497.2	494.1	494.1	495.6
52.5°	412.8	414.3	409.6	404.9	401.9	401.9	394.0	392.5	392.5	386.2	392.5
55°	315.9	314.3	315.9	312.7	312.7	308.0	308.0	303.3	303.3	298.6	301.8
57.5°	231.4	234.5	231.4	233.0	236.1	231.4	229.8	225.1	228.3	225.1	226.7
60°	179.8	179.8	179.8	178.3	178.3	176.7	176.7	175.1	175.1	172.0	175.1
62.5°	132.9	134.4	134.4	134.4	136.1	134.4	132.9	134.4	132.9	132.9	134.4
65°	87.6	89.1	89.1	87.6	90.7	87.6	89.1	90.7	92.2	90.7	92.2
67.5°	59.4	59.4	61.0	62.6	61.0	62.6	64.1	62.6	64.1	67.3	64.1
70°	43.8	45.4	45.4	43.8	42.2	43.8	42.2	46.9	46.9	46.9	50.0
72.5°	28.1	28.1	26.6	26.6	26.6	26.6	26.6	31.3	28.1	26.6	29.7
75°	15.6	17.2	17.2	12.5	14.1	17.2	12.5	14.1	18.8	15.6	18.8
77.5°	9.4	9.4	9.4	9.4	9.4	9.4	12.5	10.9	10.9	10.9	12.5
80°	7.8	6.2	6.2	4.7	6.2	6.2	6.2	9.4	7.8	7.8	9.4
82.5°	3.2	3.2	1.5	0.0	3.2	3.2	3.2	3.2	3.2	3.2	6.2
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	3.2	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: P248850

CATALOG NUMBER: LSR8B80D010 EC8B809727 8LBSW0GPH

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3202.2	3202.2	3202.2	3202.2	3202.2	3202.2	3202.2	3202.2	3202.2	3202.2	3202.2
2.5°	3199.1	3199.1	3197.5	3194.5	3188.2	3188.2	3186.6	3181.9	3178.8	3177.2	3177.2
5°	3183.5	3177.2	3171.0	3153.8	3153.8	3150.6	3141.3	3135.0	3131.9	3124.1	3121.0
7.5°	3169.4	3150.6	3139.7	3128.7	3114.7	3108.4	3097.5	3092.8	3081.8	3074.0	3069.3
10°	3135.0	3122.5	3108.4	3091.2	3080.3	3067.8	3055.3	3045.9	3031.8	3024.0	3017.7
12.5°	3111.6	3092.8	3080.3	3061.5	3042.8	3031.8	3014.6	3003.7	2989.6	2974.0	2964.6
15°	3089.7	3069.3	3052.2	3031.8	3011.5	2999.0	2978.7	2966.2	2945.8	2930.2	2919.3
17.5°	3056.9	3039.6	3020.9	2995.8	2977.1	2961.5	2939.5	2924.0	2905.2	2884.8	2873.9
20°	3022.4	3002.1	2983.4	2958.3	2939.5	2920.8	2898.9	2881.7	2859.8	2841.1	2828.6
22.5°	2977.1	2953.6	2938.0	2913.0	2891.1	2870.8	2850.5	2830.1	2809.8	2794.1	2780.1
25°	2911.4	2886.4	2869.2	2848.9	2828.6	2812.9	2787.9	2775.4	2755.1	2741.0	2726.9
27.5°	2817.6	2798.8	2783.2	2762.9	2745.7	2733.2	2714.4	2701.9	2684.7	2672.2	2661.2
30°	2680.0	2664.4	2650.3	2630.0	2617.5	2606.5	2589.3	2578.4	2565.9	2551.8	2548.7
32.5°	2495.5	2483.0	2468.9	2454.8	2445.4	2439.2	2425.1	2418.9	2406.4	2398.5	2390.7
35°	2217.2	2206.2	2198.4	2192.2	2189.0	2190.6	2187.5	2193.7	2196.8	2195.3	2196.8
37.5°	1852.9	1846.6	1849.7	1854.4	1870.1	1890.4	1909.1	1937.3	1956.1	1974.9	1992.0
40°	1446.3	1451.0	1463.5	1491.6	1532.3	1577.7	1619.9	1673.1	1726.2	1763.8	1798.1
42.5°	1091.4	1105.5	1136.7	1177.4	1238.4	1305.6	1371.3	1449.4	1513.6	1576.1	1619.9
45°	820.9	839.6	880.3	936.6	1003.8	1082.0	1164.9	1252.4	1329.1	1393.2	1441.6
47.5°	639.5	656.7	697.4	756.8	839.6	921.0	1007.0	1097.6	1177.4	1239.9	1282.2
50°	505.0	526.9	562.9	625.4	708.3	794.3	883.5	972.5	1047.6	1100.8	1138.3
52.5°	397.2	417.5	451.9	517.6	602.0	688.0	770.8	858.4	924.1	975.7	1000.7
55°	308.0	326.8	362.7	417.5	497.2	581.7	664.5	739.6	800.6	838.1	861.6
57.5°	234.5	248.6	273.7	328.4	400.3	478.4	548.9	623.9	670.8	697.4	713.0
60°	178.3	189.2	215.8	258.0	323.7	390.9	450.3	506.6	544.2	566.0	581.7
62.5°	134.4	147.0	165.7	201.7	251.7	306.5	356.5	398.7	430.0	444.1	455.0
65°	92.2	101.6	115.7	143.8	186.1	225.1	264.3	295.5	315.9	331.5	337.8
67.5°	68.8	75.0	82.9	104.8	134.4	165.7	192.3	214.2	236.1	242.4	253.3
70°	51.6	56.3	64.1	79.7	96.9	118.8	140.8	153.2	168.9	179.8	183.0
72.5°	32.8	34.4	42.2	51.6	65.6	79.7	93.8	104.8	114.2	120.4	123.5
75°	18.8	28.1	28.1	37.5	46.9	53.2	62.6	70.3	75.0	79.7	79.7
77.5°	12.5	17.2	18.8	23.4	28.1	36.0	43.8	48.5	53.2	54.7	54.7
80°	10.9	12.5	12.5	17.2	20.3	26.6	31.3	32.8	36.0	37.5	40.7
82.5°	4.7	6.2	7.8	12.5	14.1	14.1	18.8	20.3	23.4	25.0	25.0
85°	1.5	3.2	3.2	4.7	7.8	9.4	10.9	12.5	14.1	14.1	15.6
87.5°	1.5	1.5	0.0	1.5	3.2	3.2	6.2	6.2	6.2	9.4	9.4
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: P248850

CATALOG NUMBER: LSR8B80D010 EC8B809727 8LBSW0GPH

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	3202.2	3202.2	3202.2	3202.2	3202.2	3202.2	3202.2
2.5°	3174.1	3175.7	3169.4	3167.9	3164.7	3166.3	3169.4
5°	3116.3	3117.8	3111.6	3105.3	3105.3	3103.7	3105.3
7.5°	3061.5	3063.1	3053.7	3050.6	3044.3	3045.9	3045.9
10°	3006.8	3006.8	2992.8	2991.1	2986.5	2984.9	2984.9
12.5°	2953.6	2948.9	2938.0	2931.7	2934.9	2925.5	2925.5
15°	2906.7	2898.9	2884.8	2880.1	2872.3	2869.2	2869.2
17.5°	2858.2	2852.0	2839.5	2830.1	2820.7	2819.2	2820.7
20°	2811.3	2805.1	2789.4	2783.2	2775.4	2775.4	2772.3
22.5°	2764.4	2758.2	2744.1	2739.4	2728.5	2728.5	2730.0
25°	2716.0	2711.3	2695.6	2692.5	2691.0	2684.7	2687.8
27.5°	2650.3	2647.2	2634.7	2630.0	2623.7	2622.2	2625.3
30°	2529.9	2525.2	2515.9	2511.2	2500.2	2501.8	2504.9
32.5°	2379.8	2373.6	2361.0	2356.3	2347.0	2343.8	2345.4
35°	2192.2	2187.5	2176.6	2176.6	2167.2	2164.0	2167.2
37.5°	2001.4	2006.1	2001.4	2006.1	2001.4	1999.8	2001.4
40°	1821.6	1838.8	1841.9	1859.1	1852.9	1862.2	1860.7
42.5°	1649.6	1677.7	1688.7	1702.7	1699.7	1705.9	1710.6
45°	1476.0	1499.5	1510.4	1519.8	1521.4	1524.5	1526.1
47.5°	1311.8	1330.6	1332.2	1343.1	1341.6	1341.6	1346.3
50°	1158.7	1171.1	1174.2	1182.1	1175.8	1172.7	1174.2
52.5°	1016.4	1028.8	1025.7	1028.8	1021.1	1017.9	1019.4
55°	870.9	877.1	877.1	877.1	867.8	867.8	867.8
57.5°	722.4	724.0	720.8	722.4	720.8	711.4	709.9
60°	586.4	586.4	584.8	586.4	581.7	577.0	577.0
62.5°	458.1	461.3	467.5	461.3	458.1	461.3	456.6
65°	342.5	348.7	347.1	350.2	348.7	348.7	345.5
67.5°	258.0	259.6	261.1	262.7	262.7	262.7	262.7
70°	189.2	193.9	192.3	192.3	192.3	192.3	201.7
72.5°	126.7	132.9	131.4	134.4	134.4	137.6	134.4
75°	86.0	92.2	89.1	93.8	92.2	89.1	96.9
77.5°	57.9	61.0	62.6	64.1	62.6	61.0	62.6
80°	40.7	43.8	42.2	43.8	43.8	43.8	45.4
82.5°	25.0	29.7	28.1	29.7	28.1	29.7	29.7
85°	17.2	18.8	15.6	18.8	17.2	17.2	20.3
87.5°	10.9	9.4	9.4	10.9	9.4	10.9	9.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)