

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: P248609

Luminaire Tested: **LSR8B100D010 EC8B100935 8LBSW0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P248609  
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: LSR8B100D010 EC8B100935 8LBSW0H  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT- CYLINDEC  
90 CRI 3500 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9276.0 lumens  
Efficiency: N/A  
Efficacy: 87.3 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

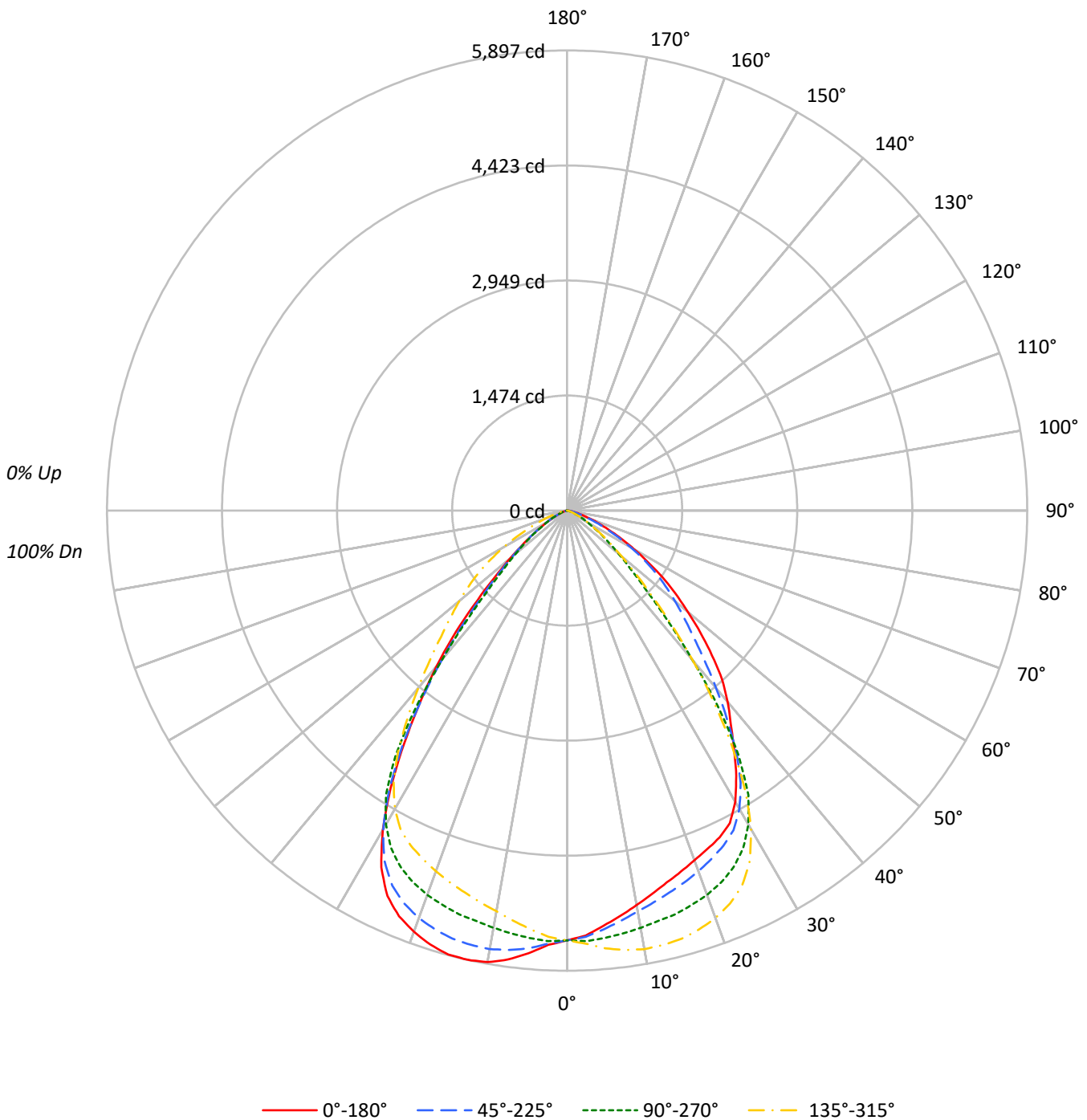
Input Watts (W): 106.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	169812	169812	169812	169812
5°	165301	170210	176287	170210
10°	160728	169987	183964	169987
15°	157517	170995	187991	170995
20°	156444	171975	188475	171975
25°	157266	171628	185445	171628
30°	153379	165347	168316	165347
35°	140292	144241	136852	144241
40°	128805	100337	104777	100337
45°	114448	61210	70826	61210
50°	96871	40887	45406	40887
55°	80234	27902	29488	27902
60°	61192	18576	18736	18576
65°	43356	11572	10595	11572
70°	31276	7754	7032	7754
75°	19861	3848	3205	3848
80°	13851	2877	2380	2877
85°	12383	0	955	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	524.2	5.7
10°-20°	1517.8	16.4
20°-30°	2298.3	24.8
30°-40°	2303.5	24.8
40°-50°	1446.5	15.6
50°-60°	770.8	8.3
60°-70°	317.0	3.4
70°-80°	83.7	0.9
80°-90°	14.2	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°	4340.3	46.8
0°-40°	6643.8	71.6
0°-60°	8861.1	95.5
0°-90°	9276.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9276.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	5507	5507	5507	5507	5507	
5°	5340	5499	5695	5499	5340	504
15°	4934	5356	5889	5356	4934	1396
25°	4622	5044	5450	5044	4622	2120
35°	3727	3832	3635	3832	3727	2335
45°	2624	1404	1624	1404	2624	2018
55°	1492	519	548	519	1492	1331
65°	594	159	145	159	594	616
75°	167	32	27	32	167	189
85°	35	0	3	0	35	38
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°	5506.9	5506.9	5506.9	5506.9	5506.9	5506.9	5506.9	5506.9	5506.9	5506.9	5506.9
2.5°	5450.4	5445.0	5442.3	5447.8	5450.4	5461.2	5458.5	5463.8	5463.8	5466.6	5471.9
5°	5340.2	5337.4	5340.2	5340.2	5350.9	5361.7	5359.0	5367.1	5372.4	5385.9	5391.2
7.5°	5238.0	5238.0	5235.3	5246.0	5251.4	5267.6	5264.8	5278.3	5286.4	5299.8	5318.6
10°	5133.1	5133.1	5135.8	5143.8	5146.6	5170.7	5170.7	5189.6	5200.3	5213.8	5238.0
12.5°	5031.0	5031.0	5047.1	5041.7	5052.4	5071.2	5079.3	5098.1	5114.3	5141.2	5165.4
15°	4934.1	4934.1	4939.5	4952.9	4961.0	4985.2	4998.6	5020.2	5039.0	5065.9	5100.9
17.5°	4850.8	4848.1	4850.8	4866.9	4883.1	4904.6	4915.3	4942.2	4961.0	4996.0	5028.3
20°	4767.4	4772.9	4772.9	4786.2	4797.0	4823.9	4834.6	4864.3	4885.7	4918.0	4955.7
22.5°	4694.8	4692.2	4692.2	4711.0	4719.1	4743.2	4753.9	4780.8	4805.1	4832.0	4866.9
25°	4622.2	4616.8	4627.6	4630.3	4635.6	4662.5	4670.6	4689.4	4713.6	4737.9	4772.9
27.5°	4514.6	4509.3	4512.0	4522.7	4530.8	4552.3	4557.7	4576.5	4595.3	4616.8	4646.5
30°	4307.6	4302.3	4299.6	4318.4	4326.5	4342.5	4350.6	4382.9	4388.3	4412.5	4434.0
32.5°	4033.3	4030.7	4036.1	4052.1	4060.2	4081.8	4092.5	4111.3	4124.7	4138.2	4159.7
35°	3726.8	3721.4	3726.8	3743.0	3743.0	3761.8	3769.9	3777.9	3775.2	3777.9	3772.6
37.5°	3441.8	3439.1	3441.8	3449.8	3441.8	3449.8	3441.8	3425.7	3396.1	3363.8	3331.5
40°	3199.8	3202.5	3186.4	3197.1	3167.5	3162.2	3132.6	3092.2	3033.1	2968.6	2877.2
42.5°	2941.7	2933.6	2922.9	2928.2	2904.1	2885.1	2836.8	2785.8	2710.4	2602.9	2492.6
45°	2624.4	2621.7	2616.3	2613.6	2597.5	2578.7	2538.3	2479.2	2395.8	2285.6	2153.8
47.5°	2315.2	2307.1	2307.1	2309.7	2290.9	2288.3	2255.9	2204.9	2132.3	2024.7	1887.6
50°	2019.3	2016.7	2022.1	2032.8	2019.3	2014.0	1992.5	1957.6	1893.0	1801.6	1672.4
52.5°	1753.1	1750.5	1755.9	1769.3	1763.9	1769.3	1747.8	1720.9	1677.9	1589.1	1476.2
55°	1492.4	1492.4	1492.4	1508.4	1508.4	1508.4	1497.7	1481.6	1441.2	1376.7	1271.9
57.5°	1220.8	1223.4	1239.6	1242.2	1239.6	1245.0	1242.2	1226.1	1199.3	1153.6	1072.9
60°	992.2	992.2	1000.3	1008.4	1005.6	1008.4	1008.4	1000.3	973.4	935.8	871.3
62.5°	785.1	793.2	787.8	793.2	804.0	793.2	787.8	782.5	763.7	739.4	685.6
65°	594.2	599.7	599.7	602.3	596.9	599.7	588.9	580.8	570.1	543.2	508.2
67.5°	451.8	451.8	451.8	451.8	449.0	446.4	443.7	435.6	416.8	406.1	368.3
70°	346.9	330.7	330.7	330.7	330.7	333.5	325.4	314.7	309.2	290.4	263.5
72.5°	231.2	236.6	231.2	231.2	225.9	228.5	217.8	212.4	207.1	196.3	180.2
75°	166.7	153.3	158.6	161.4	153.3	158.6	147.9	137.1	137.1	129.0	121.0
77.5°	107.6	104.9	107.6	110.2	107.6	104.9	99.5	94.1	94.1	91.4	83.3
80°	78.0	75.3	75.3	75.3	72.6	75.3	69.9	69.9	64.5	61.9	56.4
82.5°	51.1	51.1	48.4	51.1	48.4	51.1	43.1	43.1	43.1	40.3	35.0
85°	35.0	29.6	29.6	32.3	26.9	32.3	29.6	26.9	24.2	24.2	21.5
87.5°	16.2	18.8	16.2	18.8	16.2	16.2	18.8	16.2	16.2	10.7	10.7
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°	5506.9	5506.9	5506.9	5506.9	5506.9	5506.9	5506.9	5506.9	5506.9	5506.9	5506.9
2.5°	5480.0	5482.6	5482.6	5493.5	5498.8	5501.4	5501.4	5523.0	5514.9	5520.4	5525.7
5°	5402.1	5418.1	5423.5	5423.5	5453.1	5463.8	5474.5	5498.8	5501.4	5517.6	5536.4
7.5°	5326.7	5345.5	5356.3	5380.5	5399.3	5418.1	5450.4	5466.6	5482.6	5504.2	5528.3
10°	5254.1	5275.7	5297.1	5315.9	5345.5	5369.7	5391.2	5428.8	5447.8	5477.3	5509.5
12.5°	5184.2	5213.8	5232.6	5264.8	5297.1	5318.6	5350.9	5385.9	5415.4	5445.0	5482.6
15°	5122.4	5157.3	5178.8	5213.8	5248.8	5278.3	5313.3	5356.3	5377.8	5412.8	5447.8
17.5°	5055.1	5092.8	5119.7	5151.9	5195.0	5227.2	5256.8	5299.8	5326.7	5364.3	5404.7
20°	4985.2	5022.9	5055.1	5087.4	5130.5	5162.7	5197.6	5240.7	5270.2	5307.9	5340.2
22.5°	4901.9	4936.9	4971.7	5009.4	5052.4	5079.3	5119.7	5157.3	5189.6	5224.5	5256.8
25°	4794.3	4837.4	4864.3	4899.1	4934.1	4963.7	5006.7	5044.3	5071.2	5103.6	5133.1
27.5°	4667.9	4700.3	4721.7	4751.3	4786.2	4813.1	4845.3	4883.1	4910.0	4939.5	4961.0
30°	4452.8	4482.4	4501.3	4522.7	4557.7	4581.9	4608.8	4643.7	4662.5	4684.1	4702.9
32.5°	4170.4	4194.7	4205.4	4221.6	4245.8	4269.9	4291.5	4321.1	4329.1	4342.5	4342.5
35°	3761.8	3767.1	3764.5	3769.9	3780.6	3794.0	3812.8	3831.7	3842.4	3842.4	3834.4
37.5°	3283.1	3250.9	3216.0	3189.1	3181.0	3175.6	3186.4	3194.4	3205.2	3210.5	3197.1
40°	2785.8	2713.1	2635.1	2565.2	2516.8	2495.3	2487.3	2492.6	2492.6	2511.4	2511.4
42.5°	2358.2	2245.2	2129.7	2024.7	1954.8	1901.1	1876.9	1876.9	1879.5	1893.0	1901.1
45°	2003.3	1860.7	1726.2	1610.7	1513.8	1443.9	1411.7	1403.6	1401.0	1406.3	1425.1
47.5°	1731.7	1583.8	1443.9	1301.5	1199.3	1129.4	1099.8	1089.0	1078.2	1089.0	1091.7
50°	1519.3	1366.0	1218.1	1075.6	968.0	906.1	868.5	852.3	849.7	849.7	855.1
52.5°	1325.6	1183.1	1035.3	890.1	777.1	718.0	683.0	674.9	664.2	674.9	674.9
55°	1142.7	1000.3	855.1	718.0	623.8	562.0	529.7	519.0	513.5	521.6	521.6
57.5°	943.9	822.8	688.4	564.7	470.6	427.5	403.3	389.9	387.1	392.6	387.1
60°	774.4	672.3	556.6	443.7	371.1	325.4	306.6	301.2	295.7	301.2	301.2
62.5°	613.0	527.0	432.9	346.9	285.0	252.8	231.2	231.2	228.5	228.5	231.2
65°	454.4	387.1	320.0	247.4	199.0	174.8	158.6	158.6	155.9	158.6	155.9
67.5°	330.7	285.0	231.2	180.2	142.6	129.0	118.3	110.2	115.7	110.2	107.6
70°	242.1	204.3	166.7	137.1	110.2	96.8	88.8	86.0	80.7	80.7	80.7
72.5°	161.4	137.1	112.9	88.8	72.6	59.1	56.4	51.1	45.7	48.4	53.8
75°	107.6	91.4	80.7	64.5	48.4	48.4	32.3	32.3	26.9	32.3	24.2
77.5°	75.3	61.9	48.4	40.3	32.3	29.6	21.5	21.5	18.8	18.8	18.8
80°	53.8	45.7	35.0	29.6	21.5	21.5	18.8	16.2	13.4	13.4	16.2
82.5°	32.3	24.2	24.2	21.5	13.4	10.7	8.1	10.7	5.4	5.4	5.4
85°	18.8	16.2	13.4	8.1	5.4	5.4	2.7	0.0	2.7	2.7	0.0
87.5°	10.7	5.4	5.4	2.7	0.0	2.7	2.7	0.0	0.0	0.0	5.4
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):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	5506.9	5506.9	5506.9	5506.9	5506.9	5506.9	5506.9	5506.9	5506.9	5506.9	5506.9
2.5°	5539.2	5536.4	5541.8	5541.8	5558.0	5555.2	5563.3	5563.3	5558.0	5560.7	5571.4
5°	5558.0	5566.1	5582.1	5595.6	5619.8	5630.6	5644.0	5657.5	5660.2	5668.2	5676.3
7.5°	5558.0	5584.9	5603.7	5627.8	5660.2	5679.0	5708.5	5732.8	5743.5	5756.9	5773.0
10°	5547.2	5574.0	5609.0	5635.9	5676.3	5705.9	5735.4	5773.0	5789.2	5810.7	5832.3
12.5°	5525.7	5555.2	5592.9	5627.8	5673.5	5700.4	5738.1	5773.0	5797.3	5826.8	5851.1
15°	5493.5	5528.3	5563.3	5598.3	5646.7	5679.0	5713.9	5754.2	5778.5	5810.7	5832.3
17.5°	5442.3	5480.0	5512.3	5544.5	5590.2	5627.8	5660.2	5697.8	5722.0	5748.9	5778.5
20°	5380.5	5415.4	5450.4	5477.3	5523.0	5555.2	5590.2	5625.2	5644.0	5649.4	5695.1
22.5°	5302.6	5326.7	5353.6	5396.6	5423.5	5453.1	5485.4	5517.6	5536.4	5566.1	5582.1
25°	5173.4	5197.6	5227.2	5246.0	5278.3	5302.6	5334.8	5369.7	5380.5	5402.1	5418.1
27.5°	4993.3	5006.7	5020.2	5036.3	5055.1	5068.6	5087.4	5103.6	5114.3	5125.0	5135.8
30°	4708.2	4708.2	4708.2	4697.5	4705.6	4713.6	4716.3	4713.6	4713.6	4711.0	4711.0
32.5°	4331.8	4310.3	4286.1	4264.6	4256.5	4245.8	4240.4	4232.3	4218.9	4210.8	4213.5
35°	3823.6	3775.2	3745.7	3718.8	3697.3	3681.1	3673.1	3665.0	3662.3	3651.6	3640.7
37.5°	3189.1	3154.1	3132.6	3116.5	3097.6	3081.5	3084.1	3086.9	3094.9	3089.6	3092.2
40°	2516.8	2508.7	2516.8	2498.0	2492.6	2498.0	2511.4	2530.3	2541.0	2551.8	2570.6
42.5°	1914.5	1927.9	1946.8	1946.8	1954.8	1965.6	1981.7	2011.3	2027.4	2046.2	2067.8
45°	1441.2	1457.4	1481.6	1489.6	1495.0	1508.4	1527.3	1551.5	1562.2	1578.4	1597.2
47.5°	1110.5	1121.3	1134.7	1148.2	1161.6	1167.0	1185.8	1185.8	1199.3	1210.0	1215.3
50°	865.8	876.6	887.3	895.4	900.8	908.9	914.2	922.3	924.9	930.4	933.0
52.5°	677.6	691.1	691.1	696.4	704.5	712.5	709.9	712.5	715.2	715.2	723.3
55°	529.7	529.7	537.8	537.8	543.2	540.4	543.2	543.2	543.2	543.2	545.9
57.5°	395.2	398.0	406.1	400.7	398.0	403.3	398.0	403.3	400.7	406.1	398.0
60°	303.8	303.8	306.6	306.6	309.2	309.2	309.2	306.6	306.6	303.8	303.8
62.5°	228.5	231.2	234.0	231.2	231.2	231.2	228.5	228.5	225.9	223.1	223.1
65°	153.3	150.6	155.9	150.6	153.3	153.3	150.6	153.3	145.2	147.9	145.2
67.5°	110.2	107.6	104.9	107.6	104.9	102.2	102.2	104.9	107.6	99.5	99.5
70°	72.6	75.3	72.6	75.3	78.0	78.0	75.3	72.6	75.3	69.9	72.6
72.5°	45.7	45.7	45.7	45.7	45.7	48.4	48.4	48.4	43.1	43.1	40.3
75°	21.5	29.6	24.2	21.5	29.6	29.6	26.9	26.9	24.2	24.2	24.2
77.5°	21.5	16.2	16.2	16.2	16.2	16.2	16.2	16.2	13.4	16.2	13.4
80°	10.7	10.7	10.7	8.1	10.7	10.7	13.4	10.7	10.7	8.1	13.4
82.5°	5.4	5.4	5.4	0.0	2.7	5.4	5.4	2.7	5.4	5.4	2.7
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: P248609

CATALOG NUMBER: LSR8B100D010 EC8B100935 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	5506.9	5506.9	5506.9	5506.9	5506.9	5506.9	5506.9	5506.9	5506.9	5506.9	5506.9
2.5°	5568.7	5566.1	5568.7	5571.4	5568.7	5566.1	5568.7	5571.4	5560.7	5558.0	5563.3
5°	5687.1	5687.1	5692.4	5695.1	5692.4	5687.1	5687.1	5676.3	5668.2	5660.2	5657.5
7.5°	5789.2	5794.6	5799.9	5802.6	5799.9	5794.6	5789.2	5773.0	5756.9	5743.5	5732.8
10°	5851.1	5859.2	5869.9	5875.2	5869.9	5859.2	5851.1	5832.3	5810.7	5789.2	5773.0
12.5°	5878.0	5886.0	5899.4	5896.8	5899.4	5886.0	5878.0	5851.1	5826.8	5797.3	5773.0
15°	5859.2	5869.9	5883.3	5888.7	5883.3	5869.9	5859.2	5832.3	5810.7	5778.5	5754.2
17.5°	5799.9	5816.1	5824.2	5832.3	5824.2	5816.1	5799.9	5778.5	5748.9	5722.0	5697.8
20°	5719.3	5730.1	5740.8	5743.5	5740.8	5730.1	5719.3	5695.1	5649.4	5644.0	5625.2
22.5°	5603.7	5611.8	5635.9	5627.8	5635.9	5611.8	5603.7	5582.1	5566.1	5536.4	5517.6
25°	5436.9	5445.0	5447.8	5450.4	5447.8	5445.0	5436.9	5418.1	5402.1	5380.5	5369.7
27.5°	5149.3	5149.3	5154.6	5157.3	5154.6	5149.3	5149.3	5135.8	5125.0	5114.3	5103.6
30°	4713.6	4713.6	4713.6	4727.1	4713.6	4713.6	4713.6	4711.0	4711.0	4713.6	4713.6
32.5°	4210.8	4205.4	4200.1	4205.4	4200.1	4205.4	4210.8	4213.5	4210.8	4218.9	4232.3
35°	3640.7	3638.1	3646.2	3635.4	3646.2	3638.1	3640.7	3640.7	3651.6	3662.3	3665.0
37.5°	3094.9	3089.6	3100.3	3089.6	3100.3	3089.6	3094.9	3092.2	3089.6	3094.9	3086.9
40°	2576.0	2581.3	2581.3	2602.9	2581.3	2581.3	2576.0	2570.6	2551.8	2541.0	2530.3
42.5°	2078.5	2094.7	2089.3	2105.4	2089.3	2094.7	2078.5	2067.8	2046.2	2027.4	2011.3
45°	1607.9	1618.8	1618.8	1624.1	1618.8	1618.8	1607.9	1597.2	1578.4	1562.2	1551.5
47.5°	1234.2	1234.2	1234.2	1236.9	1234.2	1234.2	1234.2	1215.3	1210.0	1199.3	1185.8
50°	938.4	941.1	943.9	946.5	943.9	941.1	938.4	933.0	930.4	924.9	922.3
52.5°	720.6	723.3	718.0	723.3	718.0	723.3	720.6	723.3	715.2	715.2	712.5
55°	545.9	543.2	545.9	548.5	545.9	543.2	545.9	545.9	543.2	543.2	543.2
57.5°	400.7	395.2	395.2	395.2	395.2	395.2	400.7	398.0	406.1	400.7	403.3
60°	298.5	301.2	301.2	303.8	301.2	301.2	298.5	303.8	303.8	306.6	306.6
62.5°	220.5	228.5	223.1	228.5	223.1	228.5	220.5	223.1	223.1	225.9	228.5
65°	142.6	142.6	142.6	145.2	142.6	142.6	142.6	145.2	147.9	145.2	153.3
67.5°	96.8	99.5	104.9	102.2	104.9	99.5	96.8	99.5	99.5	107.6	104.9
70°	78.0	69.9	69.9	78.0	69.9	69.9	78.0	72.6	69.9	75.3	72.6
72.5°	45.7	40.3	45.7	45.7	45.7	40.3	45.7	40.3	43.1	43.1	48.4
75°	24.2	21.5	18.8	26.9	18.8	21.5	24.2	24.2	24.2	24.2	26.9
77.5°	16.2	13.4	18.8	18.8	18.8	13.4	16.2	13.4	16.2	13.4	16.2
80°	8.1	10.7	8.1	13.4	8.1	10.7	8.1	13.4	8.1	10.7	10.7
82.5°	2.7	5.4	5.4	5.4	5.4	5.4	2.7	2.7	5.4	5.4	2.7
85°	0.0	5.4	2.7	2.7	2.7	5.4	0.0	0.0	0.0	0.0	0.0
87.5°	2.7	0.0	0.0	2.7	0.0	0.0	2.7	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: P248609

CATALOG NUMBER: LSR8B100D010 EC8B100935 8LBSWOH

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	5506.9	5506.9	5506.9	5506.9	5506.9	5506.9	5506.9	5506.9	5506.9	5506.9	5506.9
2.5°	5563.3	5555.2	5558.0	5541.8	5541.8	5536.4	5539.2	5525.7	5520.4	5514.9	5523.0
5°	5644.0	5630.6	5619.8	5595.6	5582.1	5566.1	5558.0	5536.4	5517.6	5501.4	5498.8
7.5°	5708.5	5679.0	5660.2	5627.8	5603.7	5584.9	5558.0	5528.3	5504.2	5482.6	5466.6
10°	5735.4	5705.9	5676.3	5635.9	5609.0	5574.0	5547.2	5509.5	5477.3	5447.8	5428.8
12.5°	5738.1	5700.4	5673.5	5627.8	5592.9	5555.2	5525.7	5482.6	5445.0	5415.4	5385.9
15°	5713.9	5679.0	5646.7	5598.3	5563.3	5528.3	5493.5	5447.8	5412.8	5377.8	5356.3
17.5°	5660.2	5627.8	5590.2	5544.5	5512.3	5480.0	5442.3	5404.7	5364.3	5326.7	5299.8
20°	5590.2	5555.2	5523.0	5477.3	5450.4	5415.4	5380.5	5340.2	5307.9	5270.2	5240.7
22.5°	5485.4	5453.1	5423.5	5396.6	5353.6	5326.7	5302.6	5256.8	5224.5	5189.6	5157.3
25°	5334.8	5302.6	5278.3	5246.0	5227.2	5197.6	5173.4	5133.1	5103.6	5071.2	5044.3
27.5°	5087.4	5068.6	5055.1	5036.3	5020.2	5006.7	4993.3	4961.0	4939.5	4910.0	4883.1
30°	4716.3	4713.6	4705.6	4697.5	4708.2	4708.2	4708.2	4702.9	4684.1	4662.5	4643.7
32.5°	4240.4	4245.8	4256.5	4264.6	4286.1	4310.3	4331.8	4342.5	4342.5	4329.1	4321.1
35°	3673.1	3681.1	3697.3	3718.8	3745.7	3775.2	3823.6	3834.4	3842.4	3842.4	3831.7
37.5°	3084.1	3081.5	3097.6	3116.5	3132.6	3154.1	3189.1	3197.1	3210.5	3205.2	3194.4
40°	2511.4	2498.0	2492.6	2498.0	2516.8	2508.7	2516.8	2511.4	2511.4	2492.6	2492.6
42.5°	1981.7	1965.6	1954.8	1946.8	1946.8	1927.9	1914.5	1901.1	1893.0	1879.5	1876.9
45°	1527.3	1508.4	1495.0	1489.6	1481.6	1457.4	1441.2	1425.1	1406.3	1401.0	1403.6
47.5°	1185.8	1167.0	1161.6	1148.2	1134.7	1121.3	1110.5	1091.7	1089.0	1078.2	1089.0
50°	914.2	908.9	900.8	895.4	887.3	876.6	865.8	855.1	849.7	849.7	852.3
52.5°	709.9	712.5	704.5	696.4	691.1	691.1	677.6	674.9	674.9	664.2	674.9
55°	543.2	540.4	543.2	537.8	537.8	529.7	529.7	521.6	521.6	513.5	519.0
57.5°	398.0	403.3	398.0	400.7	406.1	398.0	395.2	387.1	392.6	387.1	389.9
60°	309.2	309.2	309.2	306.6	306.6	303.8	303.8	301.2	301.2	295.7	301.2
62.5°	228.5	231.2	231.2	231.2	234.0	231.2	228.5	231.2	228.5	228.5	231.2
65°	150.6	153.3	153.3	150.6	155.9	150.6	153.3	155.9	158.6	155.9	158.6
67.5°	102.2	102.2	104.9	107.6	104.9	107.6	110.2	107.6	110.2	115.7	110.2
70°	75.3	78.0	78.0	75.3	72.6	75.3	72.6	80.7	80.7	80.7	86.0
72.5°	48.4	48.4	45.7	45.7	45.7	45.7	45.7	53.8	48.4	45.7	51.1
75°	26.9	29.6	29.6	21.5	24.2	29.6	21.5	24.2	32.3	26.9	32.3
77.5°	16.2	16.2	16.2	16.2	16.2	16.2	21.5	18.8	18.8	18.8	21.5
80°	13.4	10.7	10.7	8.1	10.7	10.7	10.7	16.2	13.4	13.4	16.2
82.5°	5.4	5.4	2.7	0.0	5.4	5.4	5.4	5.4	5.4	5.4	10.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.7	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	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: P248609

CATALOG NUMBER: LSR8B100D010 EC8B100935 8LBSWOH

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	5506.9	5506.9	5506.9	5506.9	5506.9	5506.9	5506.9	5506.9	5506.9	5506.9	5506.9
2.5°	5501.4	5501.4	5498.8	5493.5	5482.6	5482.6	5480.0	5471.9	5466.6	5463.8	5463.8
5°	5474.5	5463.8	5453.1	5423.5	5423.5	5418.1	5402.1	5391.2	5385.9	5372.4	5367.1
7.5°	5450.4	5418.1	5399.3	5380.5	5356.3	5345.5	5326.7	5318.6	5299.8	5286.4	5278.3
10°	5391.2	5369.7	5345.5	5315.9	5297.1	5275.7	5254.1	5238.0	5213.8	5200.3	5189.6
12.5°	5350.9	5318.6	5297.1	5264.8	5232.6	5213.8	5184.2	5165.4	5141.2	5114.3	5098.1
15°	5313.3	5278.3	5248.8	5213.8	5178.8	5157.3	5122.4	5100.9	5065.9	5039.0	5020.2
17.5°	5256.8	5227.2	5195.0	5151.9	5119.7	5092.8	5055.1	5028.3	4996.0	4961.0	4942.2
20°	5197.6	5162.7	5130.5	5087.4	5055.1	5022.9	4985.2	4955.7	4918.0	4885.7	4864.3
22.5°	5119.7	5079.3	5052.4	5009.4	4971.7	4936.9	4901.9	4866.9	4832.0	4805.1	4780.8
25°	5006.7	4963.7	4934.1	4899.1	4864.3	4837.4	4794.3	4772.9	4737.9	4713.6	4689.4
27.5°	4845.3	4813.1	4786.2	4751.3	4721.7	4700.3	4667.9	4646.5	4616.8	4595.3	4576.5
30°	4608.8	4581.9	4557.7	4522.7	4501.3	4482.4	4452.8	4434.0	4412.5	4388.3	4382.9
32.5°	4291.5	4269.9	4245.8	4221.6	4205.4	4194.7	4170.4	4159.7	4138.2	4124.7	4111.3
35°	3812.8	3794.0	3780.6	3769.9	3764.5	3767.1	3761.8	3772.6	3777.9	3775.2	3777.9
37.5°	3186.4	3175.6	3181.0	3189.1	3216.0	3250.9	3283.1	3331.5	3363.8	3396.1	3425.7
40°	2487.3	2495.3	2516.8	2565.2	2635.1	2713.1	2785.8	2877.2	2968.6	3033.1	3092.2
42.5°	1876.9	1901.1	1954.8	2024.7	2129.7	2245.2	2358.2	2492.6	2602.9	2710.4	2785.8
45°	1411.7	1443.9	1513.8	1610.7	1726.2	1860.7	2003.3	2153.8	2285.6	2395.8	2479.2
47.5°	1099.8	1129.4	1199.3	1301.5	1443.9	1583.8	1731.7	1887.6	2024.7	2132.3	2204.9
50°	868.5	906.1	968.0	1075.6	1218.1	1366.0	1519.3	1672.4	1801.6	1893.0	1957.6
52.5°	683.0	718.0	777.1	890.1	1035.3	1183.1	1325.6	1476.2	1589.1	1677.9	1720.9
55°	529.7	562.0	623.8	718.0	855.1	1000.3	1142.7	1271.9	1376.7	1441.2	1481.6
57.5°	403.3	427.5	470.6	564.7	688.4	822.8	943.9	1072.9	1153.6	1199.3	1226.1
60°	306.6	325.4	371.1	443.7	556.6	672.3	774.4	871.3	935.8	973.4	1000.3
62.5°	231.2	252.8	285.0	346.9	432.9	527.0	613.0	685.6	739.4	763.7	782.5
65°	158.6	174.8	199.0	247.4	320.0	387.1	454.4	508.2	543.2	570.1	580.8
67.5°	118.3	129.0	142.6	180.2	231.2	285.0	330.7	368.3	406.1	416.8	435.6
70°	88.8	96.8	110.2	137.1	166.7	204.3	242.1	263.5	290.4	309.2	314.7
72.5°	56.4	59.1	72.6	88.8	112.9	137.1	161.4	180.2	196.3	207.1	212.4
75°	32.3	48.4	48.4	64.5	80.7	91.4	107.6	121.0	129.0	137.1	137.1
77.5°	21.5	29.6	32.3	40.3	48.4	61.9	75.3	83.3	91.4	94.1	94.1
80°	18.8	21.5	21.5	29.6	35.0	45.7	53.8	56.4	61.9	64.5	69.9
82.5°	8.1	10.7	13.4	21.5	24.2	24.2	32.3	35.0	40.3	43.1	43.1
85°	2.7	5.4	5.4	8.1	13.4	16.2	18.8	21.5	24.2	24.2	26.9
87.5°	2.7	2.7	0.0	2.7	5.4	5.4	10.7	10.7	10.7	16.2	16.2
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: P248609

CATALOG NUMBER: LSR8B100D010 EC8B100935 8LBSWOH

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	5506.9	5506.9	5506.9	5506.9	5506.9	5506.9	5506.9
2.5°	5458.5	5461.2	5450.4	5447.8	5442.3	5445.0	5450.4
5°	5359.0	5361.7	5350.9	5340.2	5340.2	5337.4	5340.2
7.5°	5264.8	5267.6	5251.4	5246.0	5235.3	5238.0	5238.0
10°	5170.7	5170.7	5146.6	5143.8	5135.8	5133.1	5133.1
12.5°	5079.3	5071.2	5052.4	5041.7	5047.1	5031.0	5031.0
15°	4998.6	4985.2	4961.0	4952.9	4939.5	4934.1	4934.1
17.5°	4915.3	4904.6	4883.1	4866.9	4850.8	4848.1	4850.8
20°	4834.6	4823.9	4797.0	4786.2	4772.9	4772.9	4767.4
22.5°	4753.9	4743.2	4719.1	4711.0	4692.2	4692.2	4694.8
25°	4670.6	4662.5	4635.6	4630.3	4627.6	4616.8	4622.2
27.5°	4557.7	4552.3	4530.8	4522.7	4512.0	4509.3	4514.6
30°	4350.6	4342.5	4326.5	4318.4	4299.6	4302.3	4307.6
32.5°	4092.5	4081.8	4060.2	4052.1	4036.1	4030.7	4033.3
35°	3769.9	3761.8	3743.0	3743.0	3726.8	3721.4	3726.8
37.5°	3441.8	3449.8	3441.8	3449.8	3441.8	3439.1	3441.8
40°	3132.6	3162.2	3167.5	3197.1	3186.4	3202.5	3199.8
42.5°	2836.8	2885.1	2904.1	2928.2	2922.9	2933.6	2941.7
45°	2538.3	2578.7	2597.5	2613.6	2616.3	2621.7	2624.4
47.5°	2255.9	2288.3	2290.9	2309.7	2307.1	2307.1	2315.2
50°	1992.5	2014.0	2019.3	2032.8	2022.1	2016.7	2019.3
52.5°	1747.8	1769.3	1763.9	1769.3	1755.9	1750.5	1753.1
55°	1497.7	1508.4	1508.4	1508.4	1492.4	1492.4	1492.4
57.5°	1242.2	1245.0	1239.6	1242.2	1239.6	1223.4	1220.8
60°	1008.4	1008.4	1005.6	1008.4	1000.3	992.2	992.2
62.5°	787.8	793.2	804.0	793.2	787.8	793.2	785.1
65°	588.9	599.7	596.9	602.3	599.7	599.7	594.2
67.5°	443.7	446.4	449.0	451.8	451.8	451.8	451.8
70°	325.4	333.5	330.7	330.7	330.7	330.7	346.9
72.5°	217.8	228.5	225.9	231.2	231.2	236.6	231.2
75°	147.9	158.6	153.3	161.4	158.6	153.3	166.7
77.5°	99.5	104.9	107.6	110.2	107.6	104.9	107.6
80°	69.9	75.3	72.6	75.3	75.3	75.3	78.0
82.5°	43.1	51.1	48.4	51.1	48.4	51.1	51.1
85°	29.6	32.3	26.9	32.3	29.6	29.6	35.0
87.5°	18.8	16.2	16.2	18.8	16.2	18.8	16.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)