

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: P248553

Luminaire Tested: **LSR8B80D010 EC8B80830 8LBSW0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P248553  
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 EC8B80830 8LBSW0H  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT- CYLINDEC  
80 CRI 3000 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8050.0 lumens  
Efficiency: N/A  
Efficacy: 108.2 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

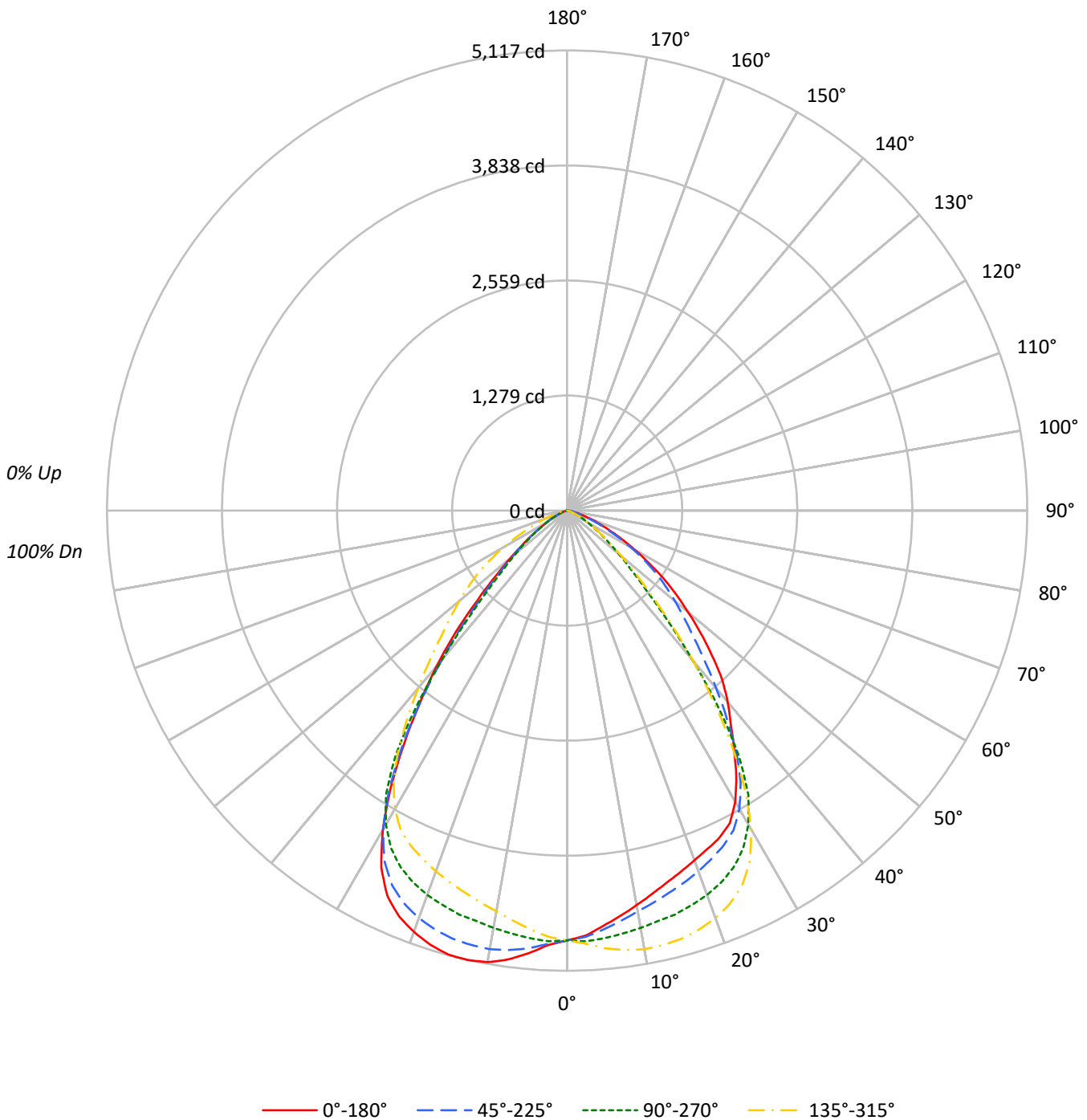
Input Watts (W): 74.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	147367	147367	147367	147367
5°	143454	147713	152988	147713
10°	139486	147520	159651	147520
15°	136699	148396	163145	148396
20°	135767	149244	163565	149244
25°	136481	148944	160934	148944
30°	133105	143491	146073	143491
35°	121753	125174	118764	125174
40°	111781	87073	90930	87073
45°	99320	53120	61463	53120
50°	84068	35485	39405	35485
55°	69626	24214	25590	24214
60°	53106	16121	16263	16121
65°	37628	10040	9194	10040
70°	27138	6726	6104	6726
75°	17240	3336	2776	3336
80°	12022	2486	2060	2486
85°	10756	0	814	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	454.9	5.7
10°-20°	1317.2	16.4
20°-30°	1994.6	24.8
30°-40°	1999.0	24.8
40°-50°	1255.3	15.6
50°-60°	669.0	8.3
60°-70°	275.1	3.4
70°-80°	72.7	0.9
80°-90°	12.3	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°	3766.7	46.8
0°-40°	5765.7	71.6
0°-60°	7689.9	95.5
0°-90°	8050.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8050.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	4779	4779	4779	4779	4779	
5°	4634	4772	4942	4772	4634	437
15°	4282	4648	5110	4648	4282	1211
25°	4011	4378	4730	4378	4011	1840
35°	3234	3325	3155	3325	3234	2026
45°	2278	1218	1409	1218	2278	1752
55°	1295	450	476	450	1295	1155
65°	516	138	126	138	516	535
75°	145	28	23	28	145	164
85°	30	0	2	0	30	33
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°	4779.0	4779.0	4779.0	4779.0	4779.0	4779.0	4779.0	4779.0	4779.0	4779.0	4779.0
2.5°	4730.0	4725.3	4723.0	4727.7	4730.0	4739.4	4737.1	4741.7	4741.7	4744.1	4748.7
5°	4634.4	4632.0	4634.4	4634.4	4643.7	4653.0	4650.7	4657.7	4662.3	4674.0	4678.7
7.5°	4545.7	4545.7	4543.3	4552.6	4557.3	4571.4	4569.0	4580.7	4587.7	4599.3	4615.7
10°	4454.7	4454.7	4457.0	4464.0	4466.4	4487.3	4487.3	4503.7	4513.0	4524.7	4545.7
12.5°	4366.0	4366.0	4380.0	4375.3	4384.7	4401.0	4408.0	4424.3	4438.3	4461.7	4482.7
15°	4282.0	4282.0	4286.7	4298.3	4305.3	4326.3	4338.0	4356.7	4373.0	4396.4	4426.7
17.5°	4209.6	4207.3	4209.6	4223.7	4237.7	4256.3	4265.6	4289.0	4305.3	4335.7	4363.7
20°	4137.3	4142.0	4142.0	4153.7	4163.0	4186.3	4195.6	4221.4	4240.0	4268.0	4300.7
22.5°	4074.3	4072.0	4072.0	4088.3	4095.4	4116.3	4125.6	4148.9	4170.0	4193.3	4223.7
25°	4011.3	4006.6	4016.0	4018.3	4022.9	4046.3	4053.3	4069.6	4090.6	4111.7	4142.0
27.5°	3917.9	3913.3	3915.6	3925.0	3932.0	3950.6	3955.3	3971.6	3988.0	4006.6	4032.3
30°	3738.2	3733.6	3731.3	3747.7	3754.7	3768.6	3775.6	3803.6	3808.3	3829.3	3847.9
32.5°	3500.2	3497.9	3502.6	3516.6	3523.6	3542.3	3551.6	3567.9	3579.6	3591.3	3609.9
35°	3234.3	3229.6	3234.3	3248.3	3248.3	3264.6	3271.6	3278.5	3276.2	3278.5	3273.9
37.5°	2986.9	2984.5	2986.9	2993.9	2986.9	2993.9	2986.9	2972.9	2947.3	2919.2	2891.2
40°	2776.9	2779.2	2765.3	2774.6	2748.8	2744.2	2718.6	2683.5	2632.2	2576.2	2496.9
42.5°	2552.9	2545.9	2536.6	2541.2	2520.2	2503.8	2461.8	2417.6	2352.2	2258.9	2163.1
45°	2277.5	2275.2	2270.5	2268.2	2254.2	2237.9	2202.8	2151.5	2079.2	1983.5	1869.1
47.5°	2009.2	2002.1	2002.1	2004.5	1988.1	1985.8	1957.8	1913.5	1850.5	1757.1	1638.1
50°	1752.4	1750.1	1754.8	1764.1	1752.4	1747.8	1729.2	1698.8	1642.8	1563.5	1451.4
52.5°	1521.4	1519.1	1523.8	1535.4	1530.7	1535.4	1516.8	1493.5	1456.1	1379.1	1281.1
55°	1295.1	1295.1	1295.1	1309.1	1309.1	1309.1	1299.7	1285.8	1250.8	1194.8	1103.8
57.5°	1059.4	1061.7	1075.8	1078.1	1075.8	1080.5	1078.1	1064.0	1040.8	1001.1	931.1
60°	861.1	861.1	868.1	875.1	872.7	875.1	875.1	868.1	844.8	812.1	756.1
62.5°	681.4	688.4	683.7	688.4	697.7	688.4	683.7	679.1	662.7	641.7	595.0
65°	515.7	520.4	520.4	522.7	518.0	520.4	511.1	504.1	494.8	471.4	441.1
67.5°	392.1	392.1	392.1	392.1	389.7	387.4	385.1	378.1	361.7	352.4	319.7
70°	301.0	287.0	287.0	287.0	287.0	289.4	282.4	273.1	268.4	252.0	228.7
72.5°	200.6	205.4	200.6	200.6	196.0	198.3	189.0	184.3	179.7	170.4	156.4
75°	144.7	133.0	137.6	140.0	133.0	137.6	128.3	119.0	119.0	112.0	105.0
77.5°	93.4	91.1	93.4	95.7	93.4	91.1	86.3	81.6	81.6	79.3	72.3
80°	67.7	65.3	65.3	65.3	63.0	65.3	60.7	60.7	56.0	53.7	49.0
82.5°	44.4	44.4	42.0	44.4	42.0	44.4	37.4	37.4	37.4	35.0	30.4
85°	30.4	25.6	25.6	28.0	23.3	28.0	25.6	23.3	21.0	21.0	18.6
87.5°	14.0	16.3	14.0	16.3	14.0	14.0	16.3	14.0	14.0	9.3	9.3
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):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	4779.0	4779.0	4779.0	4779.0	4779.0	4779.0	4779.0	4779.0	4779.0	4779.0	4779.0
2.5°	4755.7	4758.0	4758.0	4767.4	4772.0	4774.3	4774.3	4793.1	4786.0	4790.7	4795.4
5°	4688.1	4702.0	4706.7	4706.7	4732.4	4741.7	4751.0	4772.0	4774.3	4788.3	4804.7
7.5°	4622.7	4639.0	4648.4	4669.3	4685.7	4702.0	4730.0	4744.1	4758.0	4776.7	4797.7
10°	4559.7	4578.4	4597.0	4613.3	4639.0	4660.0	4678.7	4711.3	4727.7	4753.4	4781.3
12.5°	4499.0	4524.7	4541.0	4569.0	4597.0	4615.7	4643.7	4674.0	4699.7	4725.3	4758.0
15°	4445.4	4475.7	4494.3	4524.7	4555.0	4580.7	4611.0	4648.4	4667.0	4697.4	4727.7
17.5°	4387.0	4419.7	4443.0	4471.0	4508.4	4536.3	4562.1	4599.3	4622.7	4655.3	4690.4
20°	4326.3	4359.0	4387.0	4415.0	4452.4	4480.3	4510.7	4548.0	4573.7	4606.3	4634.4
22.5°	4254.0	4284.4	4314.6	4347.3	4384.7	4408.0	4443.0	4475.7	4503.7	4534.0	4562.1
25°	4160.7	4198.0	4221.4	4251.6	4282.0	4307.6	4345.0	4377.6	4401.0	4429.0	4454.7
27.5°	4051.0	4079.0	4097.7	4123.3	4153.7	4177.0	4204.9	4237.7	4261.0	4286.7	4305.3
30°	3864.3	3890.0	3906.3	3925.0	3955.3	3976.3	3999.7	4029.9	4046.3	4065.0	4081.3
32.5°	3619.2	3640.3	3649.6	3663.6	3684.6	3705.6	3724.3	3750.0	3757.0	3768.6	3768.6
35°	3264.6	3269.2	3266.9	3271.6	3280.9	3292.6	3308.9	3325.2	3334.5	3334.5	3327.6
37.5°	2849.2	2821.3	2790.9	2767.6	2760.6	2755.8	2765.3	2772.2	2781.6	2786.2	2774.6
40°	2417.6	2354.6	2286.8	2226.1	2184.2	2165.5	2158.5	2163.1	2163.1	2179.5	2179.5
42.5°	2046.5	1948.5	1848.2	1757.1	1696.4	1649.8	1628.8	1628.8	1631.1	1642.8	1649.8
45°	1738.5	1614.8	1498.1	1397.8	1313.8	1253.1	1225.1	1218.1	1215.8	1220.4	1236.7
47.5°	1502.8	1374.5	1253.1	1129.4	1040.8	980.1	954.4	945.0	935.7	945.0	947.4
50°	1318.5	1185.4	1057.1	933.4	840.0	786.4	753.7	739.7	737.4	737.4	742.1
52.5°	1150.4	1026.8	898.4	772.4	674.4	623.1	592.7	585.7	576.4	585.7	585.7
55°	991.7	868.1	742.1	623.1	541.3	487.7	459.7	450.4	445.7	452.7	452.7
57.5°	819.1	714.0	597.4	490.0	408.4	371.0	350.0	338.4	336.0	340.7	336.0
60°	672.1	583.4	483.0	385.1	322.1	282.4	266.1	261.4	256.6	261.4	261.4
62.5°	532.0	457.4	375.6	301.0	247.3	219.4	200.6	200.6	198.3	198.3	200.6
65°	394.4	336.0	277.7	214.7	172.7	151.7	137.6	137.6	135.3	137.6	135.3
67.5°	287.0	247.3	200.6	156.4	123.7	112.0	102.7	95.7	100.4	95.7	93.4
70°	210.1	177.3	144.7	119.0	95.7	84.0	77.0	74.6	70.0	70.0	70.0
72.5°	140.0	119.0	98.0	77.0	63.0	51.3	49.0	44.4	39.7	42.0	46.7
75°	93.4	79.3	70.0	56.0	42.0	42.0	28.0	28.0	23.3	28.0	21.0
77.5°	65.3	53.7	42.0	35.0	28.0	25.6	18.6	18.6	16.3	16.3	16.3
80°	46.7	39.7	30.4	25.6	18.6	18.6	16.3	14.0	11.6	11.6	14.0
82.5°	28.0	21.0	21.0	18.6	11.6	9.3	7.0	9.3	4.7	4.7	4.7
85°	16.3	14.0	11.6	7.0	4.7	4.7	2.3	0.0	2.3	2.3	0.0
87.5°	9.3	4.7	4.7	2.3	0.0	2.3	2.3	0.0	0.0	0.0	4.7
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):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	4779.0	4779.0	4779.0	4779.0	4779.0	4779.0	4779.0	4779.0	4779.0	4779.0	4779.0
2.5°	4807.1	4804.7	4809.4	4809.4	4823.4	4821.0	4828.0	4828.0	4823.4	4825.7	4835.0
5°	4823.4	4830.4	4844.3	4856.1	4877.0	4886.4	4898.0	4909.8	4912.1	4919.1	4926.1
7.5°	4823.4	4846.7	4863.1	4884.0	4912.1	4928.4	4954.0	4975.1	4984.4	4996.0	5010.0
10°	4814.0	4837.3	4867.7	4891.0	4926.1	4951.7	4977.4	5010.0	5024.1	5042.7	5061.4
12.5°	4795.4	4821.0	4853.7	4884.0	4923.7	4947.0	4979.7	5010.0	5031.1	5056.7	5077.7
15°	4767.4	4797.7	4828.0	4858.4	4900.3	4928.4	4958.7	4993.7	5014.7	5042.7	5061.4
17.5°	4723.0	4755.7	4783.7	4811.7	4851.4	4884.0	4912.1	4944.7	4965.7	4989.1	5014.7
20°	4669.3	4699.7	4730.0	4753.4	4793.1	4821.0	4851.4	4881.7	4898.0	4902.7	4942.4
22.5°	4601.7	4622.7	4646.0	4683.4	4706.7	4732.4	4760.4	4788.3	4804.7	4830.4	4844.3
25°	4489.6	4510.7	4536.3	4552.6	4580.7	4601.7	4629.7	4660.0	4669.3	4688.1	4702.0
27.5°	4333.4	4345.0	4356.7	4370.6	4387.0	4398.7	4415.0	4429.0	4438.3	4447.7	4457.0
30°	4085.9	4085.9	4085.9	4076.6	4083.6	4090.6	4092.9	4090.6	4090.6	4088.3	4088.3
32.5°	3759.3	3740.6	3719.6	3701.0	3694.0	3684.6	3679.9	3672.9	3661.3	3654.3	3656.6
35°	3318.2	3276.2	3250.6	3227.3	3208.6	3194.6	3187.6	3180.6	3178.3	3169.0	3159.5
37.5°	2767.6	2737.2	2718.6	2704.6	2688.2	2674.2	2676.5	2678.9	2685.8	2681.2	2683.5
40°	2184.2	2177.1	2184.2	2167.8	2163.1	2167.8	2179.5	2195.9	2205.2	2214.5	2230.8
42.5°	1661.5	1673.1	1689.5	1689.5	1696.4	1705.8	1719.8	1745.5	1759.4	1775.8	1794.5
45°	1250.8	1264.8	1285.8	1292.7	1297.4	1309.1	1325.5	1346.4	1355.7	1369.8	1386.1
47.5°	963.8	973.1	984.7	996.4	1008.0	1012.7	1029.1	1029.1	1040.8	1050.1	1054.7
50°	751.4	760.7	770.0	777.0	781.7	788.8	793.4	800.4	802.7	807.4	809.7
52.5°	588.0	599.7	599.7	604.3	611.4	618.4	616.1	618.4	620.7	620.7	627.7
55°	459.7	459.7	466.7	466.7	471.4	469.0	471.4	471.4	471.4	471.4	473.7
57.5°	343.0	345.4	352.4	347.7	345.4	350.0	345.4	350.0	347.7	352.4	345.4
60°	263.7	263.7	266.1	266.1	268.4	268.4	268.4	266.1	266.1	263.7	263.7
62.5°	198.3	200.6	203.0	200.6	200.6	200.6	198.3	198.3	196.0	193.6	193.6
65°	133.0	130.7	135.3	130.7	133.0	133.0	130.7	133.0	126.0	128.3	126.0
67.5°	95.7	93.4	91.1	93.4	91.1	88.7	88.7	91.1	93.4	86.3	86.3
70°	63.0	65.3	63.0	65.3	67.7	67.7	65.3	63.0	65.3	60.7	63.0
72.5°	39.7	39.7	39.7	39.7	39.7	42.0	42.0	42.0	37.4	37.4	35.0
75°	18.6	25.6	21.0	18.6	25.6	25.6	23.3	23.3	21.0	21.0	21.0
77.5°	18.6	14.0	14.0	14.0	14.0	14.0	14.0	14.0	11.6	14.0	11.6
80°	9.3	9.3	9.3	7.0	9.3	9.3	11.6	9.3	9.3	7.0	11.6
82.5°	4.7	4.7	4.7	0.0	2.3	4.7	4.7	2.3	4.7	4.7	2.3
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: P248553

CATALOG NUMBER: LSR8B80D010 EC8B80830 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	4779.0	4779.0	4779.0	4779.0	4779.0	4779.0	4779.0	4779.0	4779.0	4779.0	4779.0
2.5°	4832.7	4830.4	4832.7	4835.0	4832.7	4830.4	4832.7	4835.0	4825.7	4823.4	4828.0
5°	4935.4	4935.4	4940.0	4942.4	4940.0	4935.4	4935.4	4926.1	4919.1	4912.1	4909.8
7.5°	5024.1	5028.8	5033.4	5035.7	5033.4	5028.8	5024.1	5010.0	4996.0	4984.4	4975.1
10°	5077.7	5084.8	5094.1	5098.7	5094.1	5084.8	5077.7	5061.4	5042.7	5024.1	5010.0
12.5°	5101.1	5108.1	5119.7	5117.4	5119.7	5108.1	5101.1	5077.7	5056.7	5031.1	5010.0
15°	5084.8	5094.1	5105.7	5110.4	5105.7	5094.1	5084.8	5061.4	5042.7	5014.7	4993.7
17.5°	5033.4	5047.4	5054.4	5061.4	5054.4	5047.4	5033.4	5014.7	4989.1	4965.7	4944.7
20°	4963.3	4972.8	4982.1	4984.4	4982.1	4972.8	4963.3	4942.4	4902.7	4898.0	4881.7
22.5°	4863.1	4870.1	4891.0	4884.0	4891.0	4870.1	4863.1	4844.3	4830.4	4804.7	4788.3
25°	4718.3	4725.3	4727.7	4730.0	4727.7	4725.3	4718.3	4702.0	4688.1	4669.3	4660.0
27.5°	4468.7	4468.7	4473.3	4475.7	4473.3	4468.7	4468.7	4457.0	4447.7	4438.3	4429.0
30°	4090.6	4090.6	4090.6	4102.4	4090.6	4090.6	4090.6	4088.3	4088.3	4090.6	4090.6
32.5°	3654.3	3649.6	3645.0	3649.6	3645.0	3649.6	3654.3	3656.6	3654.3	3661.3	3672.9
35°	3159.5	3157.2	3164.2	3154.9	3164.2	3157.2	3159.5	3159.5	3169.0	3178.3	3180.6
37.5°	2685.8	2681.2	2690.5	2681.2	2690.5	2681.2	2685.8	2683.5	2681.2	2685.8	2678.9
40°	2235.5	2240.2	2240.2	2258.9	2240.2	2240.2	2235.5	2230.8	2214.5	2205.2	2195.9
42.5°	1803.8	1817.8	1813.1	1827.1	1813.1	1817.8	1803.8	1794.5	1775.8	1759.4	1745.5
45°	1395.4	1404.8	1404.8	1409.4	1404.8	1404.8	1395.4	1386.1	1369.8	1355.7	1346.4
47.5°	1071.0	1071.0	1071.0	1073.4	1071.0	1071.0	1071.0	1054.7	1050.1	1040.8	1029.1
50°	814.4	816.7	819.1	821.4	819.1	816.7	814.4	809.7	807.4	802.7	800.4
52.5°	625.4	627.7	623.1	627.7	623.1	627.7	625.4	627.7	620.7	620.7	618.4
55°	473.7	471.4	473.7	476.0	473.7	471.4	473.7	473.7	471.4	471.4	471.4
57.5°	347.7	343.0	343.0	343.0	343.0	343.0	347.7	345.4	352.4	347.7	350.0
60°	259.0	261.4	261.4	263.7	261.4	261.4	259.0	263.7	263.7	266.1	266.1
62.5°	191.3	198.3	193.6	198.3	193.6	198.3	191.3	193.6	193.6	196.0	198.3
65°	123.7	123.7	123.7	126.0	123.7	123.7	123.7	126.0	128.3	126.0	133.0
67.5°	84.0	86.3	91.1	88.7	91.1	86.3	84.0	86.3	86.3	93.4	91.1
70°	67.7	60.7	60.7	67.7	60.7	60.7	67.7	63.0	60.7	65.3	63.0
72.5°	39.7	35.0	39.7	39.7	39.7	35.0	39.7	35.0	37.4	37.4	42.0
75°	21.0	18.6	16.3	23.3	16.3	18.6	21.0	21.0	21.0	21.0	23.3
77.5°	14.0	11.6	16.3	16.3	16.3	11.6	14.0	11.6	14.0	11.6	14.0
80°	7.0	9.3	7.0	11.6	7.0	9.3	7.0	11.6	7.0	9.3	9.3
82.5°	2.3	4.7	4.7	4.7	4.7	4.7	2.3	2.3	4.7	4.7	2.3
85°	0.0	4.7	2.3	2.3	2.3	4.7	0.0	0.0	0.0	0.0	0.0
87.5°	2.3	0.0	0.0	2.3	0.0	0.0	2.3	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: P248553

CATALOG NUMBER: LSR8B80D010 EC8B80830 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	4779.0	4779.0	4779.0	4779.0	4779.0	4779.0	4779.0	4779.0	4779.0	4779.0	4779.0
2.5°	4828.0	4821.0	4823.4	4809.4	4809.4	4804.7	4807.1	4795.4	4790.7	4786.0	4793.1
5°	4898.0	4886.4	4877.0	4856.1	4844.3	4830.4	4823.4	4804.7	4788.3	4774.3	4772.0
7.5°	4954.0	4928.4	4912.1	4884.0	4863.1	4846.7	4823.4	4797.7	4776.7	4758.0	4744.1
10°	4977.4	4951.7	4926.1	4891.0	4867.7	4837.3	4814.0	4781.3	4753.4	4727.7	4711.3
12.5°	4979.7	4947.0	4923.7	4884.0	4853.7	4821.0	4795.4	4758.0	4725.3	4699.7	4674.0
15°	4958.7	4928.4	4900.3	4858.4	4828.0	4797.7	4767.4	4727.7	4697.4	4667.0	4648.4
17.5°	4912.1	4884.0	4851.4	4811.7	4783.7	4755.7	4723.0	4690.4	4655.3	4622.7	4599.3
20°	4851.4	4821.0	4793.1	4753.4	4730.0	4699.7	4669.3	4634.4	4606.3	4573.7	4548.0
22.5°	4760.4	4732.4	4706.7	4683.4	4646.0	4622.7	4601.7	4562.1	4534.0	4503.7	4475.7
25°	4629.7	4601.7	4580.7	4552.6	4536.3	4510.7	4489.6	4454.7	4429.0	4401.0	4377.6
27.5°	4415.0	4398.7	4387.0	4370.6	4356.7	4345.0	4333.4	4305.3	4286.7	4261.0	4237.7
30°	4092.9	4090.6	4083.6	4076.6	4085.9	4085.9	4085.9	4081.3	4065.0	4046.3	4029.9
32.5°	3679.9	3684.6	3694.0	3701.0	3719.6	3740.6	3759.3	3768.6	3768.6	3757.0	3750.0
35°	3187.6	3194.6	3208.6	3227.3	3250.6	3276.2	3318.2	3327.6	3334.5	3334.5	3325.2
37.5°	2676.5	2674.2	2688.2	2704.6	2718.6	2737.2	2767.6	2774.6	2786.2	2781.6	2772.2
40°	2179.5	2167.8	2163.1	2167.8	2184.2	2177.1	2184.2	2179.5	2179.5	2163.1	2163.1
42.5°	1719.8	1705.8	1696.4	1689.5	1689.5	1673.1	1661.5	1649.8	1642.8	1631.1	1628.8
45°	1325.5	1309.1	1297.4	1292.7	1285.8	1264.8	1250.8	1236.7	1220.4	1215.8	1218.1
47.5°	1029.1	1012.7	1008.0	996.4	984.7	973.1	963.8	947.4	945.0	935.7	945.0
50°	793.4	788.8	781.7	777.0	770.0	760.7	751.4	742.1	737.4	737.4	739.7
52.5°	616.1	618.4	611.4	604.3	599.7	599.7	588.0	585.7	585.7	576.4	585.7
55°	471.4	469.0	471.4	466.7	466.7	459.7	459.7	452.7	452.7	445.7	450.4
57.5°	345.4	350.0	345.4	347.7	352.4	345.4	343.0	336.0	340.7	336.0	338.4
60°	268.4	268.4	268.4	266.1	266.1	263.7	263.7	261.4	261.4	256.6	261.4
62.5°	198.3	200.6	200.6	200.6	203.0	200.6	198.3	200.6	198.3	198.3	200.6
65°	130.7	133.0	133.0	130.7	135.3	130.7	133.0	135.3	137.6	135.3	137.6
67.5°	88.7	88.7	91.1	93.4	91.1	93.4	95.7	93.4	95.7	100.4	95.7
70°	65.3	67.7	67.7	65.3	63.0	65.3	63.0	70.0	70.0	70.0	74.6
72.5°	42.0	42.0	39.7	39.7	39.7	39.7	39.7	46.7	42.0	39.7	44.4
75°	23.3	25.6	25.6	18.6	21.0	25.6	18.6	21.0	28.0	23.3	28.0
77.5°	14.0	14.0	14.0	14.0	14.0	14.0	18.6	16.3	16.3	16.3	18.6
80°	11.6	9.3	9.3	7.0	9.3	9.3	9.3	14.0	11.6	11.6	14.0
82.5°	4.7	4.7	2.3	0.0	4.7	4.7	4.7	4.7	4.7	4.7	9.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	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: P248553

CATALOG NUMBER: LSR8B80D010 EC8B80830 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	4779.0	4779.0	4779.0	4779.0	4779.0	4779.0	4779.0	4779.0	4779.0	4779.0	4779.0
2.5°	4774.3	4774.3	4772.0	4767.4	4758.0	4758.0	4755.7	4748.7	4744.1	4741.7	4741.7
5°	4751.0	4741.7	4732.4	4706.7	4706.7	4702.0	4688.1	4678.7	4674.0	4662.3	4657.7
7.5°	4730.0	4702.0	4685.7	4669.3	4648.4	4639.0	4622.7	4615.7	4599.3	4587.7	4580.7
10°	4678.7	4660.0	4639.0	4613.3	4597.0	4578.4	4559.7	4545.7	4524.7	4513.0	4503.7
12.5°	4643.7	4615.7	4597.0	4569.0	4541.0	4524.7	4499.0	4482.7	4461.7	4438.3	4424.3
15°	4611.0	4580.7	4555.0	4524.7	4494.3	4475.7	4445.4	4426.7	4396.4	4373.0	4356.7
17.5°	4562.1	4536.3	4508.4	4471.0	4443.0	4419.7	4387.0	4363.7	4335.7	4305.3	4289.0
20°	4510.7	4480.3	4452.4	4415.0	4387.0	4359.0	4326.3	4300.7	4268.0	4240.0	4221.4
22.5°	4443.0	4408.0	4384.7	4347.3	4314.6	4284.4	4254.0	4223.7	4193.3	4170.0	4148.9
25°	4345.0	4307.6	4282.0	4251.6	4221.4	4198.0	4160.7	4142.0	4111.7	4090.6	4069.6
27.5°	4204.9	4177.0	4153.7	4123.3	4097.7	4079.0	4051.0	4032.3	4006.6	3988.0	3971.6
30°	3999.7	3976.3	3955.3	3925.0	3906.3	3890.0	3864.3	3847.9	3829.3	3808.3	3803.6
32.5°	3724.3	3705.6	3684.6	3663.6	3649.6	3640.3	3619.2	3609.9	3591.3	3579.6	3567.9
35°	3308.9	3292.6	3280.9	3271.6	3266.9	3269.2	3264.6	3273.9	3278.5	3276.2	3278.5
37.5°	2765.3	2755.8	2760.6	2767.6	2790.9	2821.3	2849.2	2891.2	2919.2	2947.3	2972.9
40°	2158.5	2165.5	2184.2	2226.1	2286.8	2354.6	2417.6	2496.9	2576.2	2632.2	2683.5
42.5°	1628.8	1649.8	1696.4	1757.1	1848.2	1948.5	2046.5	2163.1	2258.9	2352.2	2417.6
45°	1225.1	1253.1	1313.8	1397.8	1498.1	1614.8	1738.5	1869.1	1983.5	2079.2	2151.5
47.5°	954.4	980.1	1040.8	1129.4	1253.1	1374.5	1502.8	1638.1	1757.1	1850.5	1913.5
50°	753.7	786.4	840.0	933.4	1057.1	1185.4	1318.5	1451.4	1563.5	1642.8	1698.8
52.5°	592.7	623.1	674.4	772.4	898.4	1026.8	1150.4	1281.1	1379.1	1456.1	1493.5
55°	459.7	487.7	541.3	623.1	742.1	868.1	991.7	1103.8	1194.8	1250.8	1285.8
57.5°	350.0	371.0	408.4	490.0	597.4	714.0	819.1	931.1	1001.1	1040.8	1064.0
60°	266.1	282.4	322.1	385.1	483.0	583.4	672.1	756.1	812.1	844.8	868.1
62.5°	200.6	219.4	247.3	301.0	375.6	457.4	532.0	595.0	641.7	662.7	679.1
65°	137.6	151.7	172.7	214.7	277.7	336.0	394.4	441.1	471.4	494.8	504.1
67.5°	102.7	112.0	123.7	156.4	200.6	247.3	287.0	319.7	352.4	361.7	378.1
70°	77.0	84.0	95.7	119.0	144.7	177.3	210.1	228.7	252.0	268.4	273.1
72.5°	49.0	51.3	63.0	77.0	98.0	119.0	140.0	156.4	170.4	179.7	184.3
75°	28.0	42.0	42.0	56.0	70.0	79.3	93.4	105.0	112.0	119.0	119.0
77.5°	18.6	25.6	28.0	35.0	42.0	53.7	65.3	72.3	79.3	81.6	81.6
80°	16.3	18.6	18.6	25.6	30.4	39.7	46.7	49.0	53.7	56.0	60.7
82.5°	7.0	9.3	11.6	18.6	21.0	21.0	28.0	30.4	35.0	37.4	37.4
85°	2.3	4.7	4.7	7.0	11.6	14.0	16.3	18.6	21.0	21.0	23.3
87.5°	2.3	2.3	0.0	2.3	4.7	4.7	9.3	9.3	9.3	14.0	14.0
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: P248553

CATALOG NUMBER: LSR8B80D010 EC8B80830 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	4779.0	4779.0	4779.0	4779.0	4779.0	4779.0	4779.0
2.5°	4737.1	4739.4	4730.0	4727.7	4723.0	4725.3	4730.0
5°	4650.7	4653.0	4643.7	4634.4	4634.4	4632.0	4634.4
7.5°	4569.0	4571.4	4557.3	4552.6	4543.3	4545.7	4545.7
10°	4487.3	4487.3	4466.4	4464.0	4457.0	4454.7	4454.7
12.5°	4408.0	4401.0	4384.7	4375.3	4380.0	4366.0	4366.0
15°	4338.0	4326.3	4305.3	4298.3	4286.7	4282.0	4282.0
17.5°	4265.6	4256.3	4237.7	4223.7	4209.6	4207.3	4209.6
20°	4195.6	4186.3	4163.0	4153.7	4142.0	4142.0	4137.3
22.5°	4125.6	4116.3	4095.4	4088.3	4072.0	4072.0	4074.3
25°	4053.3	4046.3	4022.9	4018.3	4016.0	4006.6	4011.3
27.5°	3955.3	3950.6	3932.0	3925.0	3915.6	3913.3	3917.9
30°	3775.6	3768.6	3754.7	3747.7	3731.3	3733.6	3738.2
32.5°	3551.6	3542.3	3523.6	3516.6	3502.6	3497.9	3500.2
35°	3271.6	3264.6	3248.3	3248.3	3234.3	3229.6	3234.3
37.5°	2986.9	2993.9	2986.9	2993.9	2986.9	2984.5	2986.9
40°	2718.6	2744.2	2748.8	2774.6	2765.3	2779.2	2776.9
42.5°	2461.8	2503.8	2520.2	2541.2	2536.6	2545.9	2552.9
45°	2202.8	2237.9	2254.2	2268.2	2270.5	2275.2	2277.5
47.5°	1957.8	1985.8	1988.1	2004.5	2002.1	2002.1	2009.2
50°	1729.2	1747.8	1752.4	1764.1	1754.8	1750.1	1752.4
52.5°	1516.8	1535.4	1530.7	1535.4	1523.8	1519.1	1521.4
55°	1299.7	1309.1	1309.1	1309.1	1295.1	1295.1	1295.1
57.5°	1078.1	1080.5	1075.8	1078.1	1075.8	1061.7	1059.4
60°	875.1	875.1	872.7	875.1	868.1	861.1	861.1
62.5°	683.7	688.4	697.7	688.4	683.7	688.4	681.4
65°	511.1	520.4	518.0	522.7	520.4	520.4	515.7
67.5°	385.1	387.4	389.7	392.1	392.1	392.1	392.1
70°	282.4	289.4	287.0	287.0	287.0	287.0	301.0
72.5°	189.0	198.3	196.0	200.6	200.6	205.4	200.6
75°	128.3	137.6	133.0	140.0	137.6	133.0	144.7
77.5°	86.3	91.1	93.4	95.7	93.4	91.1	93.4
80°	60.7	65.3	63.0	65.3	65.3	65.3	67.7
82.5°	37.4	44.4	42.0	44.4	42.0	44.4	44.4
85°	25.6	28.0	23.3	28.0	25.6	25.6	30.4
87.5°	16.3	14.0	14.0	16.3	14.0	16.3	14.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)