

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: P249069

Luminaire Tested: **LSR8B120D010 EC8B1209727 8LBSW0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P249069  
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: LSR8B120D010 EC8B1209727 8LBSW0MW  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT- CYLINDEC  
97 CRI 2700 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8496.0 lumens  
Efficiency: N/A  
Efficacy: 71.8 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

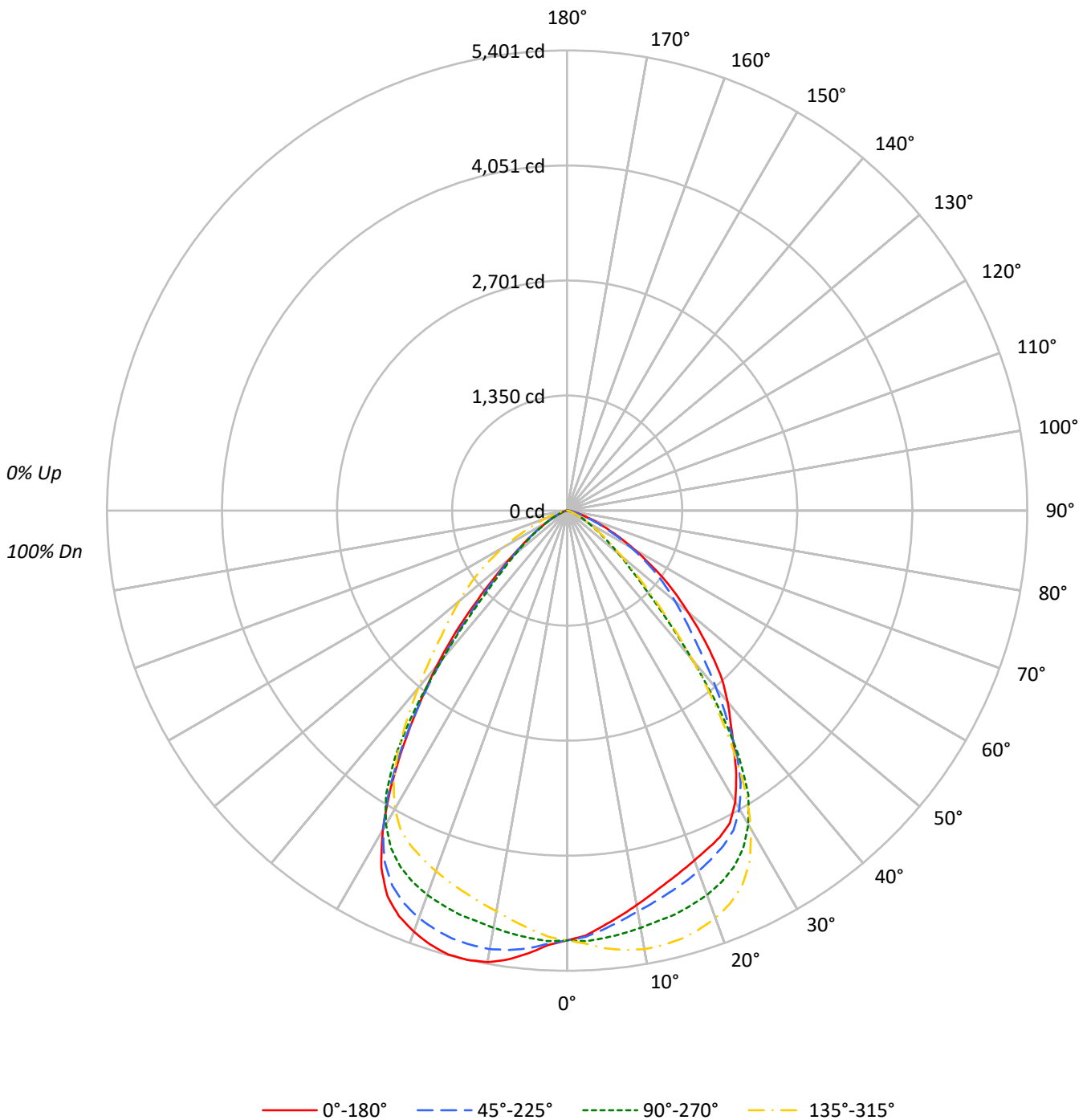
Input Watts (W): 118.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	480.1	5.7
10°-20°	1390.2	16.4
20°-30°	2105.1	24.8
30°-40°	2109.8	24.8
40°-50°	1324.8	15.6
50°-60°	706.0	8.3
60°-70°	290.3	3.4
70°-80°	76.7	0.9
80°-90°	13.0	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°	3975.4	46.8
0°-40°	6085.2	71.6
0°-60°	8116.0	95.5
0°-90°	8496.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8496.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	5044	5044	5044	5044	5044	
5°	4891	5036	5216	5036	4891	461
15°	4519	4906	5394	4906	4519	1278
25°	4234	4620	4992	4620	4234	1942
35°	3414	3510	3330	3510	3414	2139
45°	2404	1286	1488	1286	2404	1849
55°	1367	475	502	475	1367	1219
65°	544	145	133	145	544	565
75°	153	30	25	30	153	173
85°	32	0	2	0	32	35
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°	5043.8	5043.8	5043.8	5043.8	5043.8	5043.8	5043.8	5043.8	5043.8	5043.8	5043.8
2.5°	4992.1	4987.1	4984.7	4989.7	4992.1	5001.9	4999.5	5004.4	5004.4	5006.9	5011.8
5°	4891.1	4888.6	4891.1	4891.1	4901.0	4910.8	4908.4	4915.8	4920.6	4933.0	4937.9
7.5°	4797.6	4797.6	4795.0	4804.9	4809.8	4824.6	4822.1	4834.5	4841.9	4854.1	4871.4
10°	4701.5	4701.5	4703.9	4711.3	4713.8	4735.9	4735.9	4753.2	4763.0	4775.4	4797.6
12.5°	4607.9	4607.9	4622.7	4617.7	4627.6	4644.8	4652.2	4669.4	4684.2	4708.9	4731.1
15°	4519.2	4519.2	4524.2	4536.4	4543.8	4566.0	4578.3	4598.1	4615.3	4639.9	4672.0
17.5°	4442.9	4440.4	4442.9	4457.7	4472.5	4492.1	4502.0	4526.6	4543.8	4575.9	4605.5
20°	4366.5	4371.5	4371.5	4383.8	4393.6	4418.2	4428.1	4455.2	4474.9	4504.4	4539.0
22.5°	4300.0	4297.6	4297.6	4314.8	4322.2	4344.3	4354.2	4378.8	4401.0	4425.6	4457.7
25°	4233.5	4228.6	4238.5	4240.9	4245.8	4270.4	4277.8	4295.1	4317.3	4339.5	4371.5
27.5°	4135.0	4130.2	4132.6	4142.4	4149.8	4169.5	4174.5	4191.7	4208.9	4228.6	4255.7
30°	3945.4	3940.5	3938.1	3955.3	3962.7	3977.4	3984.8	4014.4	4019.3	4041.5	4061.1
32.5°	3694.2	3691.7	3696.7	3711.4	3718.8	3738.6	3748.4	3765.6	3777.9	3790.3	3809.9
35°	3413.5	3408.5	3413.5	3428.3	3428.3	3445.5	3452.9	3460.2	3457.8	3460.2	3455.3
37.5°	3152.4	3149.9	3152.4	3159.7	3152.4	3159.7	3152.4	3137.6	3110.6	3081.0	3051.4
40°	2930.7	2933.2	2918.5	2928.3	2901.1	2896.3	2869.2	2832.2	2778.1	2719.0	2635.2
42.5°	2694.3	2686.9	2677.1	2682.0	2659.9	2642.5	2598.2	2551.5	2482.5	2384.0	2283.0
45°	2403.7	2401.3	2396.3	2393.9	2379.1	2361.8	2324.8	2270.7	2194.4	2093.4	1972.7
47.5°	2120.5	2113.1	2113.1	2115.5	2098.3	2095.8	2066.2	2019.5	1953.0	1854.5	1728.9
50°	1849.5	1847.1	1852.0	1861.9	1849.5	1844.6	1825.0	1792.9	1733.8	1650.1	1531.8
52.5°	1605.7	1603.3	1608.2	1620.5	1615.5	1620.5	1600.8	1576.2	1536.8	1455.5	1352.1
55°	1366.9	1366.9	1366.9	1381.6	1381.6	1381.6	1371.7	1357.1	1320.1	1261.0	1165.0
57.5°	1118.1	1120.6	1135.4	1137.8	1135.4	1140.3	1137.8	1123.0	1098.5	1056.6	982.7
60°	908.8	908.8	916.2	923.6	921.1	923.6	923.6	916.2	891.6	857.1	798.0
62.5°	719.1	726.5	721.6	726.5	736.4	726.5	721.6	716.7	699.5	677.3	628.0
65°	544.3	549.2	549.2	551.7	546.7	549.2	539.4	532.0	522.2	497.5	465.5
67.5°	413.8	413.8	413.8	413.8	411.3	408.8	406.4	399.0	381.8	371.9	337.4
70°	317.7	302.9	302.9	302.9	302.9	305.4	298.0	288.2	283.2	266.0	241.4
72.5°	211.8	216.7	211.8	211.8	206.9	209.3	199.5	194.5	189.7	179.8	165.0
75°	152.7	140.4	145.3	147.8	140.4	145.3	135.4	125.6	125.6	118.2	110.8
77.5°	98.5	96.1	98.5	101.0	98.5	96.1	91.1	86.2	86.2	83.7	76.3
80°	71.5	68.9	68.9	68.9	66.5	68.9	64.1	64.1	59.1	56.7	51.7
82.5°	46.8	46.8	44.3	46.8	44.3	46.8	39.4	39.4	39.4	36.9	32.0
85°	32.0	27.1	27.1	29.6	24.6	29.6	27.1	24.6	22.2	22.2	19.7
87.5°	14.8	17.2	14.8	17.2	14.8	14.8	17.2	14.8	14.8	9.8	9.8
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°	5043.8	5043.8	5043.8	5043.8	5043.8	5043.8	5043.8	5043.8	5043.8	5043.8	5043.8
2.5°	5019.2	5021.6	5021.6	5031.5	5036.4	5038.8	5038.8	5058.6	5051.2	5056.2	5061.0
5°	4947.8	4962.5	4967.5	4967.5	4994.5	5004.4	5014.2	5036.4	5038.8	5053.6	5070.9
7.5°	4878.8	4896.0	4905.9	4928.0	4945.3	4962.5	4992.1	5006.9	5021.6	5041.4	5063.5
10°	4812.3	4832.0	4851.7	4868.9	4896.0	4918.2	4937.9	4972.3	4989.7	5016.7	5046.2
12.5°	4748.3	4775.4	4792.6	4822.1	4851.7	4871.4	4901.0	4933.0	4960.1	4987.1	5021.6
15°	4691.6	4723.7	4743.3	4775.4	4807.4	4834.5	4866.5	4905.9	4925.6	4957.6	4989.7
17.5°	4630.0	4664.6	4689.2	4718.7	4758.1	4787.6	4814.8	4854.1	4878.8	4913.2	4950.2
20°	4566.0	4600.5	4630.0	4659.6	4699.0	4728.5	4760.6	4800.0	4827.1	4861.5	4891.1
22.5°	4489.7	4521.7	4553.7	4588.1	4627.6	4652.2	4689.2	4723.7	4753.2	4785.2	4814.8
25°	4391.2	4430.6	4455.2	4487.2	4519.2	4546.3	4585.7	4620.2	4644.8	4674.4	4701.5
27.5°	4275.4	4305.0	4324.7	4351.7	4383.8	4408.4	4437.9	4472.5	4497.1	4524.2	4543.8
30°	4078.4	4105.5	4122.8	4142.4	4174.5	4196.7	4221.3	4253.2	4270.4	4290.2	4307.4
32.5°	3819.8	3842.0	3851.8	3866.6	3888.8	3910.9	3930.7	3957.7	3965.1	3977.4	3977.4
35°	3445.5	3450.4	3447.9	3452.9	3462.7	3475.0	3492.2	3509.5	3519.3	3519.3	3512.0
37.5°	3007.1	2977.6	2945.5	2920.9	2913.5	2908.5	2918.5	2925.8	2935.7	2940.6	2928.3
40°	2551.5	2485.0	2413.5	2349.5	2305.2	2285.5	2278.1	2283.0	2283.0	2300.2	2300.2
42.5°	2159.9	2056.4	1950.6	1854.5	1790.4	1741.2	1719.0	1719.0	1721.5	1733.8	1741.2
45°	1834.8	1704.2	1581.1	1475.2	1386.5	1322.5	1293.0	1285.6	1283.2	1288.0	1305.3
47.5°	1586.0	1450.6	1322.5	1192.0	1098.5	1034.4	1007.3	997.4	987.6	997.4	999.9
50°	1391.5	1251.1	1115.7	985.1	886.6	829.9	795.5	780.7	778.2	778.2	783.2
52.5°	1214.1	1083.7	948.2	815.2	711.7	657.6	625.6	618.2	608.3	618.2	618.2
55°	1046.7	916.2	783.2	657.6	571.3	514.8	485.2	475.3	470.4	477.8	477.8
57.5°	864.5	753.6	630.5	517.2	431.0	391.6	369.4	357.1	354.6	359.6	354.6
60°	709.3	615.7	509.8	406.4	339.9	298.0	280.8	275.8	270.9	275.8	275.8
62.5°	561.5	482.7	396.5	317.7	261.0	231.5	211.8	211.8	209.3	209.3	211.8
65°	416.2	354.6	293.1	226.6	182.3	160.1	145.3	145.3	142.8	145.3	142.8
67.5°	302.9	261.0	211.8	165.0	130.6	118.2	108.4	101.0	105.9	101.0	98.5
70°	221.7	187.1	152.7	125.6	101.0	88.7	81.3	78.8	73.9	73.9	73.9
72.5°	147.8	125.6	103.4	81.3	66.5	54.1	51.7	46.8	41.9	44.3	49.3
75°	98.5	83.7	73.9	59.1	44.3	44.3	29.6	29.6	24.6	29.6	22.2
77.5°	68.9	56.7	44.3	36.9	29.6	27.1	19.7	19.7	17.2	17.2	17.2
80°	49.3	41.9	32.0	27.1	19.7	19.7	17.2	14.8	12.3	12.3	14.8
82.5°	29.6	22.2	22.2	19.7	12.3	9.8	7.4	9.8	5.0	5.0	5.0
85°	17.2	14.8	12.3	7.4	5.0	5.0	2.4	0.0	2.4	2.4	0.0
87.5°	9.8	5.0	5.0	2.4	0.0	2.4	2.4	0.0	0.0	0.0	5.0
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°	5043.8	5043.8	5043.8	5043.8	5043.8	5043.8	5043.8	5043.8	5043.8	5043.8	5043.8
2.5°	5073.4	5070.9	5075.8	5075.8	5090.6	5088.1	5095.5	5095.5	5090.6	5093.1	5102.9
5°	5090.6	5098.0	5112.7	5125.1	5147.2	5157.1	5169.4	5181.8	5184.2	5191.6	5199.0
7.5°	5090.6	5115.3	5132.5	5154.6	5184.2	5201.4	5228.5	5250.7	5260.5	5272.8	5287.6
10°	5080.7	5105.3	5137.4	5162.0	5199.0	5226.1	5253.1	5287.6	5302.4	5322.1	5341.8
12.5°	5061.0	5088.1	5122.6	5154.6	5196.5	5221.1	5255.6	5287.6	5309.8	5336.9	5359.1
15°	5031.5	5063.5	5095.5	5127.5	5171.8	5201.4	5233.5	5270.4	5292.6	5322.1	5341.8
17.5°	4984.7	5019.2	5048.8	5078.3	5120.1	5154.6	5184.2	5218.7	5240.9	5265.5	5292.6
20°	4928.0	4960.1	4992.1	5016.7	5058.6	5088.1	5120.1	5152.2	5169.4	5174.4	5216.2
22.5°	4856.7	4878.8	4903.4	4942.8	4967.5	4994.5	5024.1	5053.6	5070.9	5098.0	5112.7
25°	4738.4	4760.6	4787.6	4804.9	4834.5	4856.7	4886.2	4918.2	4928.0	4947.8	4962.5
27.5°	4573.4	4585.7	4598.1	4612.8	4630.0	4642.4	4659.6	4674.4	4684.2	4694.1	4703.9
30°	4312.3	4312.3	4312.3	4302.5	4309.9	4317.3	4319.7	4317.3	4317.3	4314.8	4314.8
32.5°	3967.6	3947.9	3925.7	3906.0	3898.6	3888.8	3883.8	3876.4	3864.2	3856.8	3859.2
35°	3502.1	3457.8	3430.7	3406.1	3386.4	3371.6	3364.2	3356.8	3354.4	3344.5	3334.6
37.5°	2920.9	2888.9	2869.2	2854.4	2837.2	2822.4	2824.8	2827.3	2834.6	2829.8	2832.2
40°	2305.2	2297.8	2305.2	2287.9	2283.0	2287.9	2300.2	2317.5	2327.4	2337.2	2354.4
42.5°	1753.5	1765.8	1783.1	1783.1	1790.4	1800.3	1815.0	1842.2	1856.9	1874.1	1893.9
45°	1320.1	1334.9	1357.1	1364.3	1369.3	1381.6	1398.9	1421.0	1430.8	1445.6	1462.9
47.5°	1017.2	1027.0	1039.3	1051.6	1063.9	1068.9	1086.1	1086.1	1098.5	1108.3	1113.2
50°	793.0	802.9	812.7	820.1	825.1	832.5	837.3	844.7	847.2	852.1	854.6
52.5°	620.6	633.0	633.0	637.8	645.2	652.6	650.2	652.6	655.1	655.1	662.5
55°	485.2	485.2	492.6	492.6	497.5	495.0	497.5	497.5	497.5	497.5	500.0
57.5°	362.0	364.5	371.9	367.0	364.5	369.4	364.5	369.4	367.0	371.9	364.5
60°	278.3	278.3	280.8	280.8	283.2	283.2	283.2	280.8	280.8	278.3	278.3
62.5°	209.3	211.8	214.3	211.8	211.8	211.8	209.3	209.3	206.9	204.4	204.4
65°	140.4	138.0	142.8	138.0	140.4	140.4	138.0	140.4	133.0	135.4	133.0
67.5°	101.0	98.5	96.1	98.5	96.1	93.6	93.6	96.1	98.5	91.1	91.1
70°	66.5	68.9	66.5	68.9	71.5	71.5	68.9	66.5	68.9	64.1	66.5
72.5°	41.9	41.9	41.9	41.9	41.9	44.3	44.3	44.3	39.4	39.4	36.9
75°	19.7	27.1	22.2	19.7	27.1	27.1	24.6	24.6	22.2	22.2	22.2
77.5°	19.7	14.8	14.8	14.8	14.8	14.8	14.8	14.8	12.3	14.8	12.3
80°	9.8	9.8	9.8	7.4	9.8	9.8	12.3	9.8	9.8	7.4	12.3
82.5°	5.0	5.0	5.0	0.0	2.4	5.0	5.0	2.4	5.0	5.0	2.4
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: P249069

CATALOG NUMBER: LSR8B120D010 EC8B1209727 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	5043.8	5043.8	5043.8	5043.8	5043.8	5043.8	5043.8	5043.8	5043.8	5043.8	5043.8
2.5°	5100.5	5098.0	5100.5	5102.9	5100.5	5098.0	5100.5	5102.9	5093.1	5090.6	5095.5
5°	5208.8	5208.8	5213.7	5216.2	5213.7	5208.8	5208.8	5199.0	5191.6	5184.2	5181.8
7.5°	5302.4	5307.4	5312.2	5314.7	5312.2	5307.4	5302.4	5287.6	5272.8	5260.5	5250.7
10°	5359.1	5366.5	5376.3	5381.2	5376.3	5366.5	5359.1	5341.8	5322.1	5302.4	5287.6
12.5°	5383.7	5391.1	5403.4	5400.9	5403.4	5391.1	5383.7	5359.1	5336.9	5309.8	5287.6
15°	5366.5	5376.3	5388.6	5393.5	5388.6	5376.3	5366.5	5341.8	5322.1	5292.6	5270.4
17.5°	5312.2	5327.0	5334.4	5341.8	5334.4	5327.0	5312.2	5292.6	5265.5	5240.9	5218.7
20°	5238.3	5248.3	5258.1	5260.5	5258.1	5248.3	5238.3	5216.2	5174.4	5169.4	5152.2
22.5°	5132.5	5139.9	5162.0	5154.6	5162.0	5139.9	5132.5	5112.7	5098.0	5070.9	5053.6
25°	4979.7	4987.1	4989.7	4992.1	4989.7	4987.1	4979.7	4962.5	4947.8	4928.0	4918.2
27.5°	4716.3	4716.3	4721.1	4723.7	4721.1	4716.3	4716.3	4703.9	4694.1	4684.2	4674.4
30°	4317.3	4317.3	4317.3	4329.6	4317.3	4317.3	4317.3	4314.8	4314.8	4317.3	4317.3
32.5°	3856.8	3851.8	3846.9	3851.8	3846.9	3851.8	3856.8	3859.2	3856.8	3864.2	3876.4
35°	3334.6	3332.2	3339.6	3329.7	3339.6	3332.2	3334.6	3334.6	3344.5	3354.4	3356.8
37.5°	2834.6	2829.8	2839.6	2829.8	2839.6	2829.8	2834.6	2832.2	2829.8	2834.6	2827.3
40°	2359.4	2364.3	2364.3	2384.0	2364.3	2364.3	2359.4	2354.4	2337.2	2327.4	2317.5
42.5°	1903.7	1918.5	1913.6	1928.4	1913.6	1918.5	1903.7	1893.9	1874.1	1856.9	1842.2
45°	1472.7	1482.6	1482.6	1487.5	1482.6	1482.6	1472.7	1462.9	1445.6	1430.8	1421.0
47.5°	1130.4	1130.4	1130.4	1132.9	1130.4	1130.4	1130.4	1113.2	1108.3	1098.5	1086.1
50°	859.5	862.0	864.5	866.9	864.5	862.0	859.5	854.6	852.1	847.2	844.7
52.5°	660.0	662.5	657.6	662.5	657.6	662.5	660.0	662.5	655.1	655.1	652.6
55°	500.0	497.5	500.0	502.4	500.0	497.5	500.0	500.0	497.5	497.5	497.5
57.5°	367.0	362.0	362.0	362.0	362.0	362.0	367.0	364.5	371.9	367.0	369.4
60°	273.4	275.8	275.8	278.3	275.8	275.8	273.4	278.3	278.3	280.8	280.8
62.5°	201.9	209.3	204.4	209.3	204.4	209.3	201.9	204.4	204.4	206.9	209.3
65°	130.6	130.6	130.6	133.0	130.6	130.6	130.6	133.0	135.4	133.0	140.4
67.5°	88.7	91.1	96.1	93.6	96.1	91.1	88.7	91.1	91.1	98.5	96.1
70°	71.5	64.1	64.1	71.5	64.1	64.1	71.5	66.5	64.1	68.9	66.5
72.5°	41.9	36.9	41.9	41.9	41.9	36.9	41.9	36.9	39.4	39.4	44.3
75°	22.2	19.7	17.2	24.6	17.2	19.7	22.2	22.2	22.2	22.2	24.6
77.5°	14.8	12.3	17.2	17.2	17.2	12.3	14.8	12.3	14.8	12.3	14.8
80°	7.4	9.8	7.4	12.3	7.4	9.8	7.4	12.3	7.4	9.8	9.8
82.5°	2.4	5.0	5.0	5.0	5.0	5.0	2.4	2.4	5.0	5.0	2.4
85°	0.0	5.0	2.4	2.4	2.4	5.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.4	0.0	0.0	2.4	0.0	0.0	2.4	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: P249069

CATALOG NUMBER: LSR8B120D010 EC8B1209727 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	5043.8	5043.8	5043.8	5043.8	5043.8	5043.8	5043.8	5043.8	5043.8	5043.8	5043.8
2.5°	5095.5	5088.1	5090.6	5075.8	5075.8	5070.9	5073.4	5061.0	5056.2	5051.2	5058.6
5°	5169.4	5157.1	5147.2	5125.1	5112.7	5098.0	5090.6	5070.9	5053.6	5038.8	5036.4
7.5°	5228.5	5201.4	5184.2	5154.6	5132.5	5115.3	5090.6	5063.5	5041.4	5021.6	5006.9
10°	5253.1	5226.1	5199.0	5162.0	5137.4	5105.3	5080.7	5046.2	5016.7	4989.7	4972.3
12.5°	5255.6	5221.1	5196.5	5154.6	5122.6	5088.1	5061.0	5021.6	4987.1	4960.1	4933.0
15°	5233.5	5201.4	5171.8	5127.5	5095.5	5063.5	5031.5	4989.7	4957.6	4925.6	4905.9
17.5°	5184.2	5154.6	5120.1	5078.3	5048.8	5019.2	4984.7	4950.2	4913.2	4878.8	4854.1
20°	5120.1	5088.1	5058.6	5016.7	4992.1	4960.1	4928.0	4891.1	4861.5	4827.1	4800.0
22.5°	5024.1	4994.5	4967.5	4942.8	4903.4	4878.8	4856.7	4814.8	4785.2	4753.2	4723.7
25°	4886.2	4856.7	4834.5	4804.9	4787.6	4760.6	4738.4	4701.5	4674.4	4644.8	4620.2
27.5°	4659.6	4642.4	4630.0	4612.8	4598.1	4585.7	4573.4	4543.8	4524.2	4497.1	4472.5
30°	4319.7	4317.3	4309.9	4302.5	4312.3	4312.3	4312.3	4307.4	4290.2	4270.4	4253.2
32.5°	3883.8	3888.8	3898.6	3906.0	3925.7	3947.9	3967.6	3977.4	3977.4	3965.1	3957.7
35°	3364.2	3371.6	3386.4	3406.1	3430.7	3457.8	3502.1	3512.0	3519.3	3519.3	3509.5
37.5°	2824.8	2822.4	2837.2	2854.4	2869.2	2888.9	2920.9	2928.3	2940.6	2935.7	2925.8
40°	2300.2	2287.9	2283.0	2287.9	2305.2	2297.8	2305.2	2300.2	2300.2	2283.0	2283.0
42.5°	1815.0	1800.3	1790.4	1783.1	1783.1	1765.8	1753.5	1741.2	1733.8	1721.5	1719.0
45°	1398.9	1381.6	1369.3	1364.3	1357.1	1334.9	1320.1	1305.3	1288.0	1283.2	1285.6
47.5°	1086.1	1068.9	1063.9	1051.6	1039.3	1027.0	1017.2	999.9	997.4	987.6	997.4
50°	837.3	832.5	825.1	820.1	812.7	802.9	793.0	783.2	778.2	778.2	780.7
52.5°	650.2	652.6	645.2	637.8	633.0	633.0	620.6	618.2	618.2	608.3	618.2
55°	497.5	495.0	497.5	492.6	492.6	485.2	485.2	477.8	477.8	470.4	475.3
57.5°	364.5	369.4	364.5	367.0	371.9	364.5	362.0	354.6	359.6	354.6	357.1
60°	283.2	283.2	283.2	280.8	280.8	278.3	278.3	275.8	275.8	270.9	275.8
62.5°	209.3	211.8	211.8	211.8	214.3	211.8	209.3	211.8	209.3	209.3	211.8
65°	138.0	140.4	140.4	138.0	142.8	138.0	140.4	142.8	145.3	142.8	145.3
67.5°	93.6	93.6	96.1	98.5	96.1	98.5	101.0	98.5	101.0	105.9	101.0
70°	68.9	71.5	71.5	68.9	66.5	68.9	66.5	73.9	73.9	73.9	78.8
72.5°	44.3	44.3	41.9	41.9	41.9	41.9	41.9	49.3	44.3	41.9	46.8
75°	24.6	27.1	27.1	19.7	22.2	27.1	19.7	22.2	29.6	24.6	29.6
77.5°	14.8	14.8	14.8	14.8	14.8	14.8	19.7	17.2	17.2	17.2	19.7
80°	12.3	9.8	9.8	7.4	9.8	9.8	9.8	14.8	12.3	12.3	14.8
82.5°	5.0	5.0	2.4	0.0	5.0	5.0	5.0	5.0	5.0	5.0	9.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	2.4	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	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: P249069

CATALOG NUMBER: LSR8B120D010 EC8B1209727 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	5043.8	5043.8	5043.8	5043.8	5043.8	5043.8	5043.8	5043.8	5043.8	5043.8	5043.8
2.5°	5038.8	5038.8	5036.4	5031.5	5021.6	5021.6	5019.2	5011.8	5006.9	5004.4	5004.4
5°	5014.2	5004.4	4994.5	4967.5	4967.5	4962.5	4947.8	4937.9	4933.0	4920.6	4915.8
7.5°	4992.1	4962.5	4945.3	4928.0	4905.9	4896.0	4878.8	4871.4	4854.1	4841.9	4834.5
10°	4937.9	4918.2	4896.0	4868.9	4851.7	4832.0	4812.3	4797.6	4775.4	4763.0	4753.2
12.5°	4901.0	4871.4	4851.7	4822.1	4792.6	4775.4	4748.3	4731.1	4708.9	4684.2	4669.4
15°	4866.5	4834.5	4807.4	4775.4	4743.3	4723.7	4691.6	4672.0	4639.9	4615.3	4598.1
17.5°	4814.8	4787.6	4758.1	4718.7	4689.2	4664.6	4630.0	4605.5	4575.9	4543.8	4526.6
20°	4760.6	4728.5	4699.0	4659.6	4630.0	4600.5	4566.0	4539.0	4504.4	4474.9	4455.2
22.5°	4689.2	4652.2	4627.6	4588.1	4553.7	4521.7	4489.7	4457.7	4425.6	4401.0	4378.8
25°	4585.7	4546.3	4519.2	4487.2	4455.2	4430.6	4391.2	4371.5	4339.5	4317.3	4295.1
27.5°	4437.9	4408.4	4383.8	4351.7	4324.7	4305.0	4275.4	4255.7	4228.6	4208.9	4191.7
30°	4221.3	4196.7	4174.5	4142.4	4122.8	4105.5	4078.4	4061.1	4041.5	4019.3	4014.4
32.5°	3930.7	3910.9	3888.8	3866.6	3851.8	3842.0	3819.8	3809.9	3790.3	3777.9	3765.6
35°	3492.2	3475.0	3462.7	3452.9	3447.9	3450.4	3445.5	3455.3	3460.2	3457.8	3460.2
37.5°	2918.5	2908.5	2913.5	2920.9	2945.5	2977.6	3007.1	3051.4	3081.0	3110.6	3137.6
40°	2278.1	2285.5	2305.2	2349.5	2413.5	2485.0	2551.5	2635.2	2719.0	2778.1	2832.2
42.5°	1719.0	1741.2	1790.4	1854.5	1950.6	2056.4	2159.9	2283.0	2384.0	2482.5	2551.5
45°	1293.0	1322.5	1386.5	1475.2	1581.1	1704.2	1834.8	1972.7	2093.4	2194.4	2270.7
47.5°	1007.3	1034.4	1098.5	1192.0	1322.5	1450.6	1586.0	1728.9	1854.5	1953.0	2019.5
50°	795.5	829.9	886.6	985.1	1115.7	1251.1	1391.5	1531.8	1650.1	1733.8	1792.9
52.5°	625.6	657.6	711.7	815.2	948.2	1083.7	1214.1	1352.1	1455.5	1536.8	1576.2
55°	485.2	514.8	571.3	657.6	783.2	916.2	1046.7	1165.0	1261.0	1320.1	1357.1
57.5°	369.4	391.6	431.0	517.2	630.5	753.6	864.5	982.7	1056.6	1098.5	1123.0
60°	280.8	298.0	339.9	406.4	509.8	615.7	709.3	798.0	857.1	891.6	916.2
62.5°	211.8	231.5	261.0	317.7	396.5	482.7	561.5	628.0	677.3	699.5	716.7
65°	145.3	160.1	182.3	226.6	293.1	354.6	416.2	465.5	497.5	522.2	532.0
67.5°	108.4	118.2	130.6	165.0	211.8	261.0	302.9	337.4	371.9	381.8	399.0
70°	81.3	88.7	101.0	125.6	152.7	187.1	221.7	241.4	266.0	283.2	288.2
72.5°	51.7	54.1	66.5	81.3	103.4	125.6	147.8	165.0	179.8	189.7	194.5
75°	29.6	44.3	44.3	59.1	73.9	83.7	98.5	110.8	118.2	125.6	125.6
77.5°	19.7	27.1	29.6	36.9	44.3	56.7	68.9	76.3	83.7	86.2	86.2
80°	17.2	19.7	19.7	27.1	32.0	41.9	49.3	51.7	56.7	59.1	64.1
82.5°	7.4	9.8	12.3	19.7	22.2	22.2	29.6	32.0	36.9	39.4	39.4
85°	2.4	5.0	5.0	7.4	12.3	14.8	17.2	19.7	22.2	22.2	24.6
87.5°	2.4	2.4	0.0	2.4	5.0	5.0	9.8	9.8	9.8	14.8	14.8
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: P249069

CATALOG NUMBER: LSR8B120D010 EC8B1209727 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	5043.8	5043.8	5043.8	5043.8	5043.8	5043.8	5043.8
2.5°	4999.5	5001.9	4992.1	4989.7	4984.7	4987.1	4992.1
5°	4908.4	4910.8	4901.0	4891.1	4891.1	4888.6	4891.1
7.5°	4822.1	4824.6	4809.8	4804.9	4795.0	4797.6	4797.6
10°	4735.9	4735.9	4713.8	4711.3	4703.9	4701.5	4701.5
12.5°	4652.2	4644.8	4627.6	4617.7	4622.7	4607.9	4607.9
15°	4578.3	4566.0	4543.8	4536.4	4524.2	4519.2	4519.2
17.5°	4502.0	4492.1	4472.5	4457.7	4442.9	4440.4	4442.9
20°	4428.1	4418.2	4393.6	4383.8	4371.5	4371.5	4366.5
22.5°	4354.2	4344.3	4322.2	4314.8	4297.6	4297.6	4300.0
25°	4277.8	4270.4	4245.8	4240.9	4238.5	4228.6	4233.5
27.5°	4174.5	4169.5	4149.8	4142.4	4132.6	4130.2	4135.0
30°	3984.8	3977.4	3962.7	3955.3	3938.1	3940.5	3945.4
32.5°	3748.4	3738.6	3718.8	3711.4	3696.7	3691.7	3694.2
35°	3452.9	3445.5	3428.3	3428.3	3413.5	3408.5	3413.5
37.5°	3152.4	3159.7	3152.4	3159.7	3152.4	3149.9	3152.4
40°	2869.2	2896.3	2901.1	2928.3	2918.5	2933.2	2930.7
42.5°	2598.2	2642.5	2659.9	2682.0	2677.1	2686.9	2694.3
45°	2324.8	2361.8	2379.1	2393.9	2396.3	2401.3	2403.7
47.5°	2066.2	2095.8	2098.3	2115.5	2113.1	2113.1	2120.5
50°	1825.0	1844.6	1849.5	1861.9	1852.0	1847.1	1849.5
52.5°	1600.8	1620.5	1615.5	1620.5	1608.2	1603.3	1605.7
55°	1371.7	1381.6	1381.6	1381.6	1366.9	1366.9	1366.9
57.5°	1137.8	1140.3	1135.4	1137.8	1135.4	1120.6	1118.1
60°	923.6	923.6	921.1	923.6	916.2	908.8	908.8
62.5°	721.6	726.5	736.4	726.5	721.6	726.5	719.1
65°	539.4	549.2	546.7	551.7	549.2	549.2	544.3
67.5°	406.4	408.8	411.3	413.8	413.8	413.8	413.8
70°	298.0	305.4	302.9	302.9	302.9	302.9	317.7
72.5°	199.5	209.3	206.9	211.8	211.8	216.7	211.8
75°	135.4	145.3	140.4	147.8	145.3	140.4	152.7
77.5°	91.1	96.1	98.5	101.0	98.5	96.1	98.5
80°	64.1	68.9	66.5	68.9	68.9	68.9	71.5
82.5°	39.4	46.8	44.3	46.8	44.3	46.8	46.8
85°	27.1	29.6	24.6	29.6	27.1	27.1	32.0
87.5°	17.2	14.8	14.8	17.2	14.8	17.2	14.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)