

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: P249068

Luminaire Tested: **LSR8B100D010 EC8B100927 8LBSW0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P249068
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 EC8B100927 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: 8430.8 lumens
Efficiency: N/A
Efficacy: 79.3 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

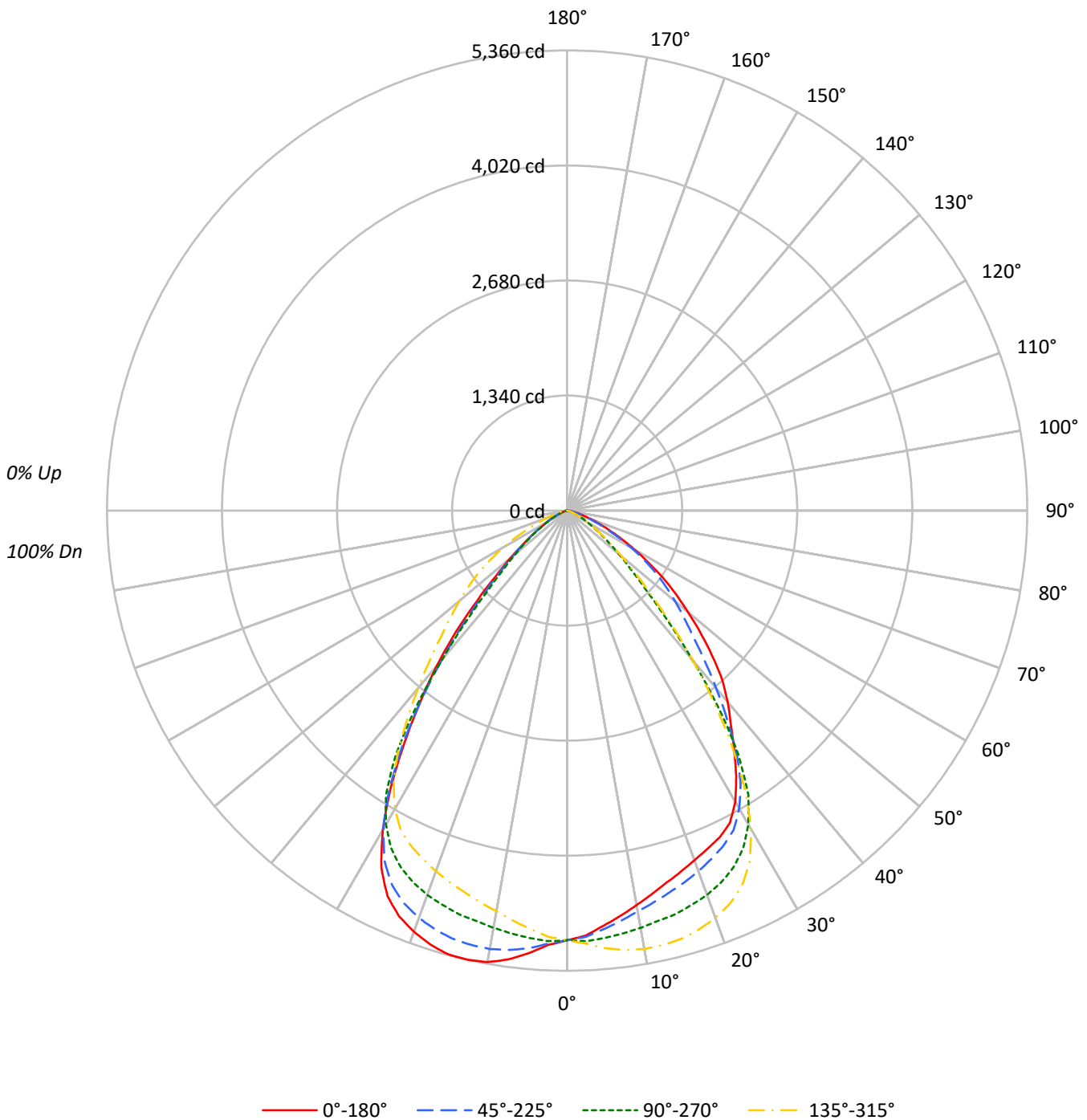
Input Watts (W): 106.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	476.4	5.7
10°-20°	1379.5	16.4
20°-30°	2088.9	24.8
30°-40°	2093.6	24.8
40°-50°	1314.7	15.6
50°-60°	700.6	8.3
60°-70°	288.1	3.4
70°-80°	76.1	0.9
80°-90°	12.9	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°	3944.8	46.8
0°-40°	6038.4	71.6
0°-60°	8053.7	95.5
0°-90°	8430.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8430.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	5005	5005	5005	5005	5005	
5°	4854	4998	5176	4998	4854	458
15°	4484	4868	5352	4868	4484	1268
25°	4201	4585	4954	4585	4201	1927
35°	3387	3483	3304	3483	3387	2122
45°	2385	1276	1476	1276	2385	1834
55°	1356	472	498	472	1356	1209
65°	540	144	132	144	540	560
75°	152	29	24	29	152	172
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°	5005.1	5005.1	5005.1	5005.1	5005.1	5005.1	5005.1	5005.1	5005.1	5005.1	5005.1
2.5°	4953.7	4948.9	4946.4	4951.3	4953.7	4963.5	4961.1	4966.0	4966.0	4968.4	4973.3
5°	4853.6	4851.1	4853.6	4853.6	4863.4	4873.0	4870.7	4878.0	4882.8	4895.1	4899.9
7.5°	4760.8	4760.8	4758.2	4768.0	4772.9	4787.6	4785.1	4797.3	4804.7	4816.9	4834.0
10°	4665.4	4665.4	4667.7	4675.2	4677.6	4699.6	4699.6	4716.7	4726.5	4738.7	4760.8
12.5°	4572.6	4572.6	4587.2	4582.2	4592.0	4609.1	4616.4	4633.5	4648.3	4672.7	4694.7
15°	4484.5	4484.5	4489.4	4501.6	4509.0	4530.9	4543.2	4562.8	4579.9	4604.3	4636.1
17.5°	4408.8	4406.4	4408.8	4423.5	4438.1	4457.7	4467.4	4491.9	4509.0	4540.7	4570.1
20°	4333.0	4337.9	4337.9	4350.2	4359.8	4384.3	4394.0	4421.0	4440.6	4469.8	4504.2
22.5°	4267.0	4264.7	4264.7	4281.8	4289.1	4311.0	4320.8	4345.2	4367.2	4391.7	4423.5
25°	4201.1	4196.1	4205.9	4208.4	4213.2	4237.7	4245.0	4262.1	4284.1	4306.2	4337.9
27.5°	4103.2	4098.4	4100.8	4110.6	4118.0	4137.4	4142.4	4159.5	4176.6	4196.1	4223.0
30°	3915.0	3910.3	3907.8	3924.9	3932.2	3946.8	3954.2	3983.5	3988.4	4010.4	4030.0
32.5°	3665.8	3663.3	3668.3	3682.9	3690.2	3709.8	3719.6	3736.7	3748.8	3761.1	3780.7
35°	3387.3	3382.3	3387.3	3401.9	3401.9	3419.0	3426.4	3433.6	3431.2	3433.6	3428.8
37.5°	3128.2	3125.7	3128.2	3135.5	3128.2	3135.5	3128.2	3113.5	3086.7	3057.3	3027.9
40°	2908.2	2910.6	2896.1	2905.8	2878.9	2874.0	2847.2	2810.5	2756.7	2698.1	2615.0
42.5°	2673.7	2666.2	2656.6	2661.4	2639.5	2622.3	2578.3	2531.9	2463.4	2365.8	2265.4
45°	2385.2	2382.9	2377.9	2375.4	2360.8	2343.7	2307.0	2253.3	2177.5	2077.3	1957.5
47.5°	2104.2	2096.9	2096.9	2099.2	2082.2	2079.8	2050.4	2004.0	1938.0	1840.3	1715.6
50°	1835.3	1832.8	1837.8	1847.6	1835.3	1830.5	1810.9	1779.2	1720.6	1637.4	1520.1
52.5°	1593.3	1591.0	1595.9	1608.1	1603.1	1608.1	1588.5	1564.1	1524.9	1444.3	1341.7
55°	1356.4	1356.4	1356.4	1370.9	1370.9	1370.9	1361.2	1346.6	1310.0	1251.2	1156.0
57.5°	1109.6	1112.0	1126.7	1129.0	1126.7	1131.5	1129.0	1114.3	1090.0	1048.5	975.2
60°	901.8	901.8	909.1	916.5	914.0	916.5	916.5	909.1	884.7	850.5	791.9
62.5°	713.6	720.9	716.1	720.9	730.7	720.9	716.1	711.2	694.1	672.1	623.1
65°	540.1	545.1	545.1	547.4	542.5	545.1	535.3	528.0	518.2	493.8	461.9
67.5°	410.6	410.6	410.6	410.6	408.2	405.7	403.3	395.9	378.8	369.1	334.8
70°	315.2	300.6	300.6	300.6	300.6	303.1	295.8	286.0	281.0	263.9	239.5
72.5°	210.2	215.1	210.2	210.2	205.3	207.7	198.0	193.0	188.2	178.4	163.8
75°	151.5	139.3	144.1	146.7	139.3	144.1	134.4	124.6	124.6	117.3	109.9
77.5°	97.8	95.4	97.8	100.2	97.8	95.4	90.4	85.5	85.5	83.1	75.7
80°	70.9	68.4	68.4	68.4	66.0	68.4	63.6	63.6	58.6	56.2	51.3
82.5°	46.5	46.5	44.0	46.5	44.0	46.5	39.2	39.2	39.2	36.6	31.8
85°	31.8	26.9	26.9	29.4	24.4	29.4	26.9	24.4	22.0	22.0	19.5
87.5°	14.7	17.1	14.7	17.1	14.7	14.7	17.1	14.7	14.7	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°	5005.1	5005.1	5005.1	5005.1	5005.1	5005.1	5005.1	5005.1	5005.1	5005.1	5005.1
2.5°	4980.6	4983.1	4983.1	4992.9	4997.7	5000.2	5000.2	5019.8	5012.4	5017.4	5022.2
5°	4909.8	4924.3	4929.3	4929.3	4956.2	4966.0	4975.7	4997.7	5000.2	5014.8	5031.9
7.5°	4841.3	4858.4	4868.2	4890.2	4907.2	4924.3	4953.7	4968.4	4983.1	5002.7	5024.6
10°	4775.3	4795.0	4814.4	4831.5	4858.4	4880.5	4899.9	4934.1	4951.3	4978.2	5007.5
12.5°	4711.8	4738.7	4755.8	4785.1	4814.4	4834.0	4863.4	4895.1	4922.0	4948.9	4983.1
15°	4655.6	4687.4	4706.9	4738.7	4770.4	4797.3	4829.2	4868.2	4887.8	4919.5	4951.3
17.5°	4594.5	4628.7	4653.2	4682.5	4721.6	4750.9	4777.9	4816.9	4841.3	4875.5	4912.2
20°	4530.9	4565.1	4594.5	4623.9	4662.9	4692.3	4724.0	4763.1	4790.0	4824.2	4853.6
22.5°	4455.2	4487.1	4518.7	4552.9	4592.0	4616.4	4653.2	4687.4	4716.7	4748.5	4777.9
25°	4357.5	4396.6	4421.0	4452.8	4484.5	4511.4	4550.5	4584.7	4609.1	4638.5	4665.4
27.5°	4242.6	4272.0	4291.4	4318.3	4350.2	4374.6	4403.8	4438.1	4462.5	4489.4	4509.0
30°	4047.1	4074.0	4091.1	4110.6	4142.4	4164.4	4188.8	4220.6	4237.7	4257.2	4274.3
32.5°	3790.5	3812.4	3822.2	3836.9	3859.0	3880.8	3900.5	3927.4	3934.7	3946.8	3946.8
35°	3419.0	3423.8	3421.5	3426.4	3436.1	3448.4	3465.4	3482.6	3492.2	3492.2	3485.0
37.5°	2984.0	2954.7	2922.9	2898.5	2891.1	2886.2	2896.1	2903.3	2913.2	2918.0	2905.8
40°	2531.9	2465.9	2395.0	2331.5	2287.5	2268.0	2260.6	2265.4	2265.4	2282.5	2282.5
42.5°	2143.4	2040.6	1935.6	1840.3	1776.7	1727.9	1705.8	1705.8	1708.3	1720.6	1727.9
45°	1820.7	1691.2	1568.9	1464.0	1375.9	1312.3	1283.1	1275.8	1273.3	1278.1	1295.2
47.5°	1573.9	1439.4	1312.3	1182.8	1090.0	1026.4	999.6	989.8	980.0	989.8	992.2
50°	1380.8	1241.6	1107.1	977.5	879.8	823.5	789.3	774.7	772.2	772.2	777.2
52.5°	1204.8	1075.4	941.0	809.0	706.3	652.5	620.8	613.5	603.7	613.5	613.5
55°	1038.6	909.1	777.2	652.5	566.9	510.9	481.4	471.7	466.8	474.1	474.1
57.5°	857.8	747.8	625.7	513.2	427.7	388.6	366.5	354.4	351.9	356.8	351.9
60°	703.8	611.0	505.9	403.3	337.3	295.8	278.7	273.7	268.8	273.7	273.7
62.5°	557.2	479.0	393.4	315.2	259.0	229.7	210.2	210.2	207.7	207.7	210.2
65°	413.0	351.9	290.8	224.8	180.9	158.8	144.1	144.1	141.8	144.1	141.8
67.5°	300.6	259.0	210.2	163.8	129.6	117.3	107.6	100.2	105.1	100.2	97.8
70°	220.0	185.7	151.5	124.6	100.2	88.0	80.7	78.2	73.4	73.4	73.4
72.5°	146.7	124.6	102.6	80.7	66.0	53.7	51.3	46.5	41.5	44.0	48.9
75°	97.8	83.1	73.4	58.6	44.0	44.0	29.4	29.4	24.4	29.4	22.0
77.5°	68.4	56.2	44.0	36.6	29.4	26.9	19.5	19.5	17.1	17.1	17.1
80°	48.9	41.5	31.8	26.9	19.5	19.5	17.1	14.7	12.2	12.2	14.7
82.5°	29.4	22.0	22.0	19.5	12.2	9.8	7.3	9.8	5.0	5.0	5.0
85°	17.1	14.7	12.2	7.3	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°	5005.1	5005.1	5005.1	5005.1	5005.1	5005.1	5005.1	5005.1	5005.1	5005.1	5005.1
2.5°	5034.5	5031.9	5036.8	5036.8	5051.6	5049.0	5056.4	5056.4	5051.6	5054.0	5063.7
5°	5051.6	5058.9	5073.5	5085.8	5107.7	5117.5	5129.7	5141.9	5144.4	5151.7	5159.0
7.5°	5051.6	5076.0	5093.1	5115.0	5144.4	5161.5	5188.4	5210.3	5220.1	5232.3	5247.0
10°	5041.7	5066.1	5097.9	5122.3	5159.0	5185.9	5212.8	5247.0	5261.6	5281.2	5300.8
12.5°	5022.2	5049.0	5083.2	5115.0	5156.6	5181.0	5215.2	5247.0	5269.0	5295.9	5317.9
15°	4992.9	5024.6	5056.4	5088.2	5132.1	5161.5	5193.2	5229.9	5252.0	5281.2	5300.8
17.5°	4946.4	4980.6	5010.0	5039.3	5080.8	5115.0	5144.4	5178.6	5200.7	5225.1	5252.0
20°	4890.2	4922.0	4953.7	4978.2	5019.8	5049.0	5080.8	5112.6	5129.7	5134.6	5176.1
22.5°	4819.4	4841.3	4865.7	4904.9	4929.3	4956.2	4985.6	5014.8	5031.9	5058.9	5073.5
25°	4701.9	4724.0	4750.9	4768.0	4797.3	4819.4	4848.6	4880.5	4890.2	4909.8	4924.3
27.5°	4538.4	4550.5	4562.8	4577.4	4594.5	4606.8	4623.9	4638.5	4648.3	4658.1	4667.7
30°	4279.2	4279.2	4279.2	4269.5	4276.8	4284.1	4286.6	4284.1	4284.1	4281.8	4281.8
32.5°	3937.0	3917.6	3895.5	3876.1	3868.6	3859.0	3854.0	3846.6	3834.4	3827.1	3829.5
35°	3475.1	3431.2	3404.4	3380.0	3360.4	3345.8	3338.3	3331.0	3328.6	3318.9	3309.0
37.5°	2898.5	2866.7	2847.2	2832.5	2815.4	2800.7	2803.0	2805.6	2812.8	2808.0	2810.5
40°	2287.5	2280.2	2287.5	2270.4	2265.4	2270.4	2282.5	2299.7	2309.5	2319.3	2336.4
42.5°	1740.0	1752.2	1769.4	1769.4	1776.7	1786.5	1801.1	1828.0	1842.6	1859.7	1879.3
45°	1310.0	1324.6	1346.6	1353.8	1358.8	1370.9	1388.1	1410.1	1419.9	1434.6	1451.7
47.5°	1009.4	1019.1	1031.3	1043.6	1055.7	1060.6	1077.8	1077.8	1090.0	1099.8	1104.6
50°	786.9	796.7	806.4	813.8	818.8	826.1	830.9	838.2	840.6	845.6	848.0
52.5°	615.8	628.1	628.1	632.9	640.2	647.7	645.2	647.7	650.0	650.0	657.3
55°	481.4	481.4	488.8	488.8	493.8	491.2	493.8	493.8	493.8	493.8	496.1
57.5°	359.2	361.7	369.1	364.2	361.7	366.5	361.7	366.5	364.2	369.1	361.7
60°	276.1	276.1	278.7	278.7	281.0	281.0	281.0	278.7	278.7	276.1	276.1
62.5°	207.7	210.2	212.6	210.2	210.2	210.2	207.7	207.7	205.3	202.8	202.8
65°	139.3	136.9	141.8	136.9	139.3	139.3	136.9	139.3	132.0	134.4	132.0
67.5°	100.2	97.8	95.4	97.8	95.4	92.8	92.8	95.4	97.8	90.4	90.4
70°	66.0	68.4	66.0	68.4	70.9	70.9	68.4	66.0	68.4	63.6	66.0
72.5°	41.5	41.5	41.5	41.5	41.5	44.0	44.0	44.0	39.2	39.2	36.6
75°	19.5	26.9	22.0	19.5	26.9	26.9	24.4	24.4	22.0	22.0	22.0
77.5°	19.5	14.7	14.7	14.7	14.7	14.7	14.7	14.7	12.2	14.7	12.2
80°	9.8	9.8	9.8	7.3	9.8	9.8	12.2	9.8	9.8	7.3	12.2
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: P249068

CATALOG NUMBER: LSR8B100D010 EC8B100927 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	5005.1	5005.1	5005.1	5005.1	5005.1	5005.1	5005.1	5005.1	5005.1	5005.1	5005.1
2.5°	5061.3	5058.9	5061.3	5063.7	5061.3	5058.9	5061.3	5063.7	5054.0	5051.6	5056.4
5°	5168.8	5168.8	5173.7	5176.1	5173.7	5168.8	5168.8	5159.0	5151.7	5144.4	5141.9
7.5°	5261.6	5266.6	5271.4	5273.9	5271.4	5266.6	5261.6	5247.0	5232.3	5220.1	5210.3
10°	5317.9	5325.3	5335.0	5339.8	5335.0	5325.3	5317.9	5300.8	5281.2	5261.6	5247.0
12.5°	5342.4	5349.7	5361.9	5359.5	5361.9	5349.7	5342.4	5317.9	5295.9	5269.0	5247.0
15°	5325.3	5335.0	5347.2	5352.1	5347.2	5335.0	5325.3	5300.8	5281.2	5252.0	5229.9
17.5°	5271.4	5286.2	5293.5	5300.8	5293.5	5286.2	5271.4	5252.0	5225.1	5200.7	5178.6
20°	5198.1	5208.0	5217.8	5220.1	5217.8	5208.0	5198.1	5176.1	5134.6	5129.7	5112.6
22.5°	5093.1	5100.4	5122.3	5115.0	5122.3	5100.4	5093.1	5073.5	5058.9	5031.9	5014.8
25°	4941.4	4948.9	4951.3	4953.7	4951.3	4948.9	4941.4	4924.3	4909.8	4890.2	4880.5
27.5°	4680.0	4680.0	4684.8	4687.4	4684.8	4680.0	4680.0	4667.7	4658.1	4648.3	4638.5
30°	4284.1	4284.1	4284.1	4296.4	4284.1	4284.1	4284.1	4281.8	4281.8	4284.1	4284.1
32.5°	3827.1	3822.2	3817.4	3822.2	3817.4	3822.2	3827.1	3829.5	3827.1	3834.4	3846.6
35°	3309.0	3306.6	3313.9	3304.1	3313.9	3306.6	3309.0	3309.0	3318.9	3328.6	3331.0
37.5°	2812.8	2808.0	2817.8	2808.0	2817.8	2808.0	2812.8	2810.5	2808.0	2812.8	2805.6
40°	2341.2	2346.1	2346.1	2365.8	2346.1	2346.1	2341.2	2336.4	2319.3	2309.5	2299.7
42.5°	1889.1	1903.8	1898.9	1913.5	1898.9	1903.8	1889.1	1879.3	1859.7	1842.6	1828.0
45°	1461.4	1471.3	1471.3	1476.1	1471.3	1471.3	1461.4	1451.7	1434.6	1419.9	1410.1
47.5°	1121.7	1121.7	1121.7	1124.2	1121.7	1121.7	1121.7	1104.6	1099.8	1090.0	1077.8
50°	853.0	855.3	857.8	860.3	857.8	855.3	853.0	848.0	845.6	840.6	838.2
52.5°	655.0	657.3	652.5	657.3	652.5	657.3	655.0	657.3	650.0	650.0	647.7
55°	496.1	493.8	496.1	498.5	496.1	493.8	496.1	496.1	493.8	493.8	493.8
57.5°	364.2	359.2	359.2	359.2	359.2	359.2	364.2	361.7	369.1	364.2	366.5
60°	271.3	273.7	273.7	276.1	273.7	273.7	271.3	276.1	276.1	278.7	278.7
62.5°	200.4	207.7	202.8	207.7	202.8	207.7	200.4	202.8	202.8	205.3	207.7
65°	129.6	129.6	129.6	132.0	129.6	129.6	129.6	132.0	134.4	132.0	139.3
67.5°	88.0	90.4	95.4	92.8	95.4	90.4	88.0	90.4	90.4	97.8	95.4
70°	70.9	63.6	63.6	70.9	63.6	63.6	70.9	66.0	63.6	68.4	66.0
72.5°	41.5	36.6	41.5	41.5	41.5	36.6	41.5	36.6	39.2	39.2	44.0
75°	22.0	19.5	17.1	24.4	17.1	19.5	22.0	22.0	22.0	22.0	24.4
77.5°	14.7	12.2	17.1	17.1	17.1	12.2	14.7	12.2	14.7	12.2	14.7
80°	7.3	9.8	7.3	12.2	7.3	9.8	7.3	12.2	7.3	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: P249068

CATALOG NUMBER: LSR8B100D010 EC8B100927 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	5005.1	5005.1	5005.1	5005.1	5005.1	5005.1	5005.1	5005.1	5005.1	5005.1	5005.1
2.5°	5056.4	5049.0	5051.6	5036.8	5036.8	5031.9	5034.5	5022.2	5017.4	5012.4	5019.8
5°	5129.7	5117.5	5107.7	5085.8	5073.5	5058.9	5051.6	5031.9	5014.8	5000.2	4997.7
7.5°	5188.4	5161.5	5144.4	5115.0	5093.1	5076.0	5051.6	5024.6	5002.7	4983.1	4968.4
10°	5212.8	5185.9	5159.0	5122.3	5097.9	5066.1	5041.7	5007.5	4978.2	4951.3	4934.1
12.5°	5215.2	5181.0	5156.6	5115.0	5083.2	5049.0	5022.2	4983.1	4948.9	4922.0	4895.1
15°	5193.2	5161.5	5132.1	5088.2	5056.4	5024.6	4992.9	4951.3	4919.5	4887.8	4868.2
17.5°	5144.4	5115.0	5080.8	5039.3	5010.0	4980.6	4946.4	4912.2	4875.5	4841.3	4816.9
20°	5080.8	5049.0	5019.8	4978.2	4953.7	4922.0	4890.2	4853.6	4824.2	4790.0	4763.1
22.5°	4985.6	4956.2	4929.3	4904.9	4865.7	4841.3	4819.4	4777.9	4748.5	4716.7	4687.4
25°	4848.6	4819.4	4797.3	4768.0	4750.9	4724.0	4701.9	4665.4	4638.5	4609.1	4584.7
27.5°	4623.9	4606.8	4594.5	4577.4	4562.8	4550.5	4538.4	4509.0	4489.4	4462.5	4438.1
30°	4286.6	4284.1	4276.8	4269.5	4279.2	4279.2	4279.2	4274.3	4257.2	4237.7	4220.6
32.5°	3854.0	3859.0	3868.6	3876.1	3895.5	3917.6	3937.0	3946.8	3946.8	3934.7	3927.4
35°	3338.3	3345.8	3360.4	3380.0	3404.4	3431.2	3475.1	3485.0	3492.2	3492.2	3482.6
37.5°	2803.0	2800.7	2815.4	2832.5	2847.2	2866.7	2898.5	2905.8	2918.0	2913.2	2903.3
40°	2282.5	2270.4	2265.4	2270.4	2287.5	2280.2	2287.5	2282.5	2282.5	2265.4	2265.4
42.5°	1801.1	1786.5	1776.7	1769.4	1769.4	1752.2	1740.0	1727.9	1720.6	1708.3	1705.8
45°	1388.1	1370.9	1358.8	1353.8	1346.6	1324.6	1310.0	1295.2	1278.1	1273.3	1275.8
47.5°	1077.8	1060.6	1055.7	1043.6	1031.3	1019.1	1009.4	992.2	989.8	980.0	989.8
50°	830.9	826.1	818.8	813.8	806.4	796.7	786.9	777.2	772.2	772.2	774.7
52.5°	645.2	647.7	640.2	632.9	628.1	628.1	615.8	613.5	613.5	603.7	613.5
55°	493.8	491.2	493.8	488.8	488.8	481.4	481.4	474.1	474.1	466.8	471.7
57.5°	361.7	366.5	361.7	364.2	369.1	361.7	359.2	351.9	356.8	351.9	354.4
60°	281.0	281.0	281.0	278.7	278.7	276.1	276.1	273.7	273.7	268.8	273.7
62.5°	207.7	210.2	210.2	210.2	212.6	210.2	207.7	210.2	207.7	207.7	210.2
65°	136.9	139.3	139.3	136.9	141.8	136.9	139.3	141.8	144.1	141.8	144.1
67.5°	92.8	92.8	95.4	97.8	95.4	97.8	100.2	97.8	100.2	105.1	100.2
70°	68.4	70.9	70.9	68.4	66.0	68.4	66.0	73.4	73.4	73.4	78.2
72.5°	44.0	44.0	41.5	41.5	41.5	41.5	41.5	48.9	44.0	41.5	46.5
75°	24.4	26.9	26.9	19.5	22.0	26.9	19.5	22.0	29.4	24.4	29.4
77.5°	14.7	14.7	14.7	14.7	14.7	14.7	19.5	17.1	17.1	17.1	19.5
80°	12.2	9.8	9.8	7.3	9.8	9.8	9.8	14.7	12.2	12.2	14.7
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: P249068

CATALOG NUMBER: LSR8B100D010 EC8B100927 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	5005.1	5005.1	5005.1	5005.1	5005.1	5005.1	5005.1	5005.1	5005.1	5005.1	5005.1
2.5°	5000.2	5000.2	4997.7	4992.9	4983.1	4983.1	4980.6	4973.3	4968.4	4966.0	4966.0
5°	4975.7	4966.0	4956.2	4929.3	4929.3	4924.3	4909.8	4899.9	4895.1	4882.8	4878.0
7.5°	4953.7	4924.3	4907.2	4890.2	4868.2	4858.4	4841.3	4834.0	4816.9	4804.7	4797.3
10°	4899.9	4880.5	4858.4	4831.5	4814.4	4795.0	4775.3	4760.8	4738.7	4726.5	4716.7
12.5°	4863.4	4834.0	4814.4	4785.1	4755.8	4738.7	4711.8	4694.7	4672.7	4648.3	4633.5
15°	4829.2	4797.3	4770.4	4738.7	4706.9	4687.4	4655.6	4636.1	4604.3	4579.9	4562.8
17.5°	4777.9	4750.9	4721.6	4682.5	4653.2	4628.7	4594.5	4570.1	4540.7	4509.0	4491.9
20°	4724.0	4692.3	4662.9	4623.9	4594.5	4565.1	4530.9	4504.2	4469.8	4440.6	4421.0
22.5°	4653.2	4616.4	4592.0	4552.9	4518.7	4487.1	4455.2	4423.5	4391.7	4367.2	4345.2
25°	4550.5	4511.4	4484.5	4452.8	4421.0	4396.6	4357.5	4337.9	4306.2	4284.1	4262.1
27.5°	4403.8	4374.6	4350.2	4318.3	4291.4	4272.0	4242.6	4223.0	4196.1	4176.6	4159.5
30°	4188.8	4164.4	4142.4	4110.6	4091.1	4074.0	4047.1	4030.0	4010.4	3988.4	3983.5
32.5°	3900.5	3880.8	3859.0	3836.9	3822.2	3812.4	3790.5	3780.7	3761.1	3748.8	3736.7
35°	3465.4	3448.4	3436.1	3426.4	3421.5	3423.8	3419.0	3428.8	3433.6	3431.2	3433.6
37.5°	2896.1	2886.2	2891.1	2898.5	2922.9	2954.7	2984.0	3027.9	3057.3	3086.7	3113.5
40°	2260.6	2268.0	2287.5	2331.5	2395.0	2465.9	2531.9	2615.0	2698.1	2756.7	2810.5
42.5°	1705.8	1727.9	1776.7	1840.3	1935.6	2040.6	2143.4	2265.4	2365.8	2463.4	2531.9
45°	1283.1	1312.3	1375.9	1464.0	1568.9	1691.2	1820.7	1957.5	2077.3	2177.5	2253.3
47.5°	999.6	1026.4	1090.0	1182.8	1312.3	1439.4	1573.9	1715.6	1840.3	1938.0	2004.0
50°	789.3	823.5	879.8	977.5	1107.1	1241.6	1380.8	1520.1	1637.4	1720.6	1779.2
52.5°	620.8	652.5	706.3	809.0	941.0	1075.4	1204.8	1341.7	1444.3	1524.9	1564.1
55°	481.4	510.9	566.9	652.5	777.2	909.1	1038.6	1156.0	1251.2	1310.0	1346.6
57.5°	366.5	388.6	427.7	513.2	625.7	747.8	857.8	975.2	1048.5	1090.0	1114.3
60°	278.7	295.8	337.3	403.3	505.9	611.0	703.8	791.9	850.5	884.7	909.1
62.5°	210.2	229.7	259.0	315.2	393.4	479.0	557.2	623.1	672.1	694.1	711.2
65°	144.1	158.8	180.9	224.8	290.8	351.9	413.0	461.9	493.8	518.2	528.0
67.5°	107.6	117.3	129.6	163.8	210.2	259.0	300.6	334.8	369.1	378.8	395.9
70°	80.7	88.0	100.2	124.6	151.5	185.7	220.0	239.5	263.9	281.0	286.0
72.5°	51.3	53.7	66.0	80.7	102.6	124.6	146.7	163.8	178.4	188.2	193.0
75°	29.4	44.0	44.0	58.6	73.4	83.1	97.8	109.9	117.3	124.6	124.6
77.5°	19.5	26.9	29.4	36.6	44.0	56.2	68.4	75.7	83.1	85.5	85.5
80°	17.1	19.5	19.5	26.9	31.8	41.5	48.9	51.3	56.2	58.6	63.6
82.5°	7.3	9.8	12.2	19.5	22.0	22.0	29.4	31.8	36.6	39.2	39.2
85°	2.4	5.0	5.0	7.3	12.2	14.7	17.1	19.5	22.0	22.0	24.4
87.5°	2.4	2.4	0.0	2.4	5.0	5.0	9.8	9.8	9.8	14.7	14.7
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: P249068

CATALOG NUMBER: LSR8B100D010 EC8B100927 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	5005.1	5005.1	5005.1	5005.1	5005.1	5005.1	5005.1
2.5°	4961.1	4963.5	4953.7	4951.3	4946.4	4948.9	4953.7
5°	4870.7	4873.0	4863.4	4853.6	4853.6	4851.1	4853.6
7.5°	4785.1	4787.6	4772.9	4768.0	4758.2	4760.8	4760.8
10°	4699.6	4699.6	4677.6	4675.2	4667.7	4665.4	4665.4
12.5°	4616.4	4609.1	4592.0	4582.2	4587.2	4572.6	4572.6
15°	4543.2	4530.9	4509.0	4501.6	4489.4	4484.5	4484.5
17.5°	4467.4	4457.7	4438.1	4423.5	4408.8	4406.4	4408.8
20°	4394.0	4384.3	4359.8	4350.2	4337.9	4337.9	4333.0
22.5°	4320.8	4311.0	4289.1	4281.8	4264.7	4264.7	4267.0
25°	4245.0	4237.7	4213.2	4208.4	4205.9	4196.1	4201.1
27.5°	4142.4	4137.4	4118.0	4110.6	4100.8	4098.4	4103.2
30°	3954.2	3946.8	3932.2	3924.9	3907.8	3910.3	3915.0
32.5°	3719.6	3709.8	3690.2	3682.9	3668.3	3663.3	3665.8
35°	3426.4	3419.0	3401.9	3401.9	3387.3	3382.3	3387.3
37.5°	3128.2	3135.5	3128.2	3135.5	3128.2	3125.7	3128.2
40°	2847.2	2874.0	2878.9	2905.8	2896.1	2910.6	2908.2
42.5°	2578.3	2622.3	2639.5	2661.4	2656.6	2666.2	2673.7
45°	2307.0	2343.7	2360.8	2375.4	2377.9	2382.9	2385.2
47.5°	2050.4	2079.8	2082.2	2099.2	2096.9	2096.9	2104.2
50°	1810.9	1830.5	1835.3	1847.6	1837.8	1832.8	1835.3
52.5°	1588.5	1608.1	1603.1	1608.1	1595.9	1591.0	1593.3
55°	1361.2	1370.9	1370.9	1370.9	1356.4	1356.4	1356.4
57.5°	1129.0	1131.5	1126.7	1129.0	1126.7	1112.0	1109.6
60°	916.5	916.5	914.0	916.5	909.1	901.8	901.8
62.5°	716.1	720.9	730.7	720.9	716.1	720.9	713.6
65°	535.3	545.1	542.5	547.4	545.1	545.1	540.1
67.5°	403.3	405.7	408.2	410.6	410.6	410.6	410.6
70°	295.8	303.1	300.6	300.6	300.6	300.6	315.2
72.5°	198.0	207.7	205.3	210.2	210.2	215.1	210.2
75°	134.4	144.1	139.3	146.7	144.1	139.3	151.5
77.5°	90.4	95.4	97.8	100.2	97.8	95.4	97.8
80°	63.6	68.4	66.0	68.4	68.4	68.4	70.9
82.5°	39.2	46.5	44.0	46.5	44.0	46.5	46.5
85°	26.9	29.4	24.4	29.4	26.9	26.9	31.8
87.5°	17.1	14.7	14.7	17.1	14.7	17.1	14.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)