

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: P248843

Luminaire Tested: **LSR8B100D010 EC8B100950 8LBSWOGPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248843
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 EC8B100950 8LBSW0GPH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT- CYLINDEC
90 CRI 5000 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9283.0 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

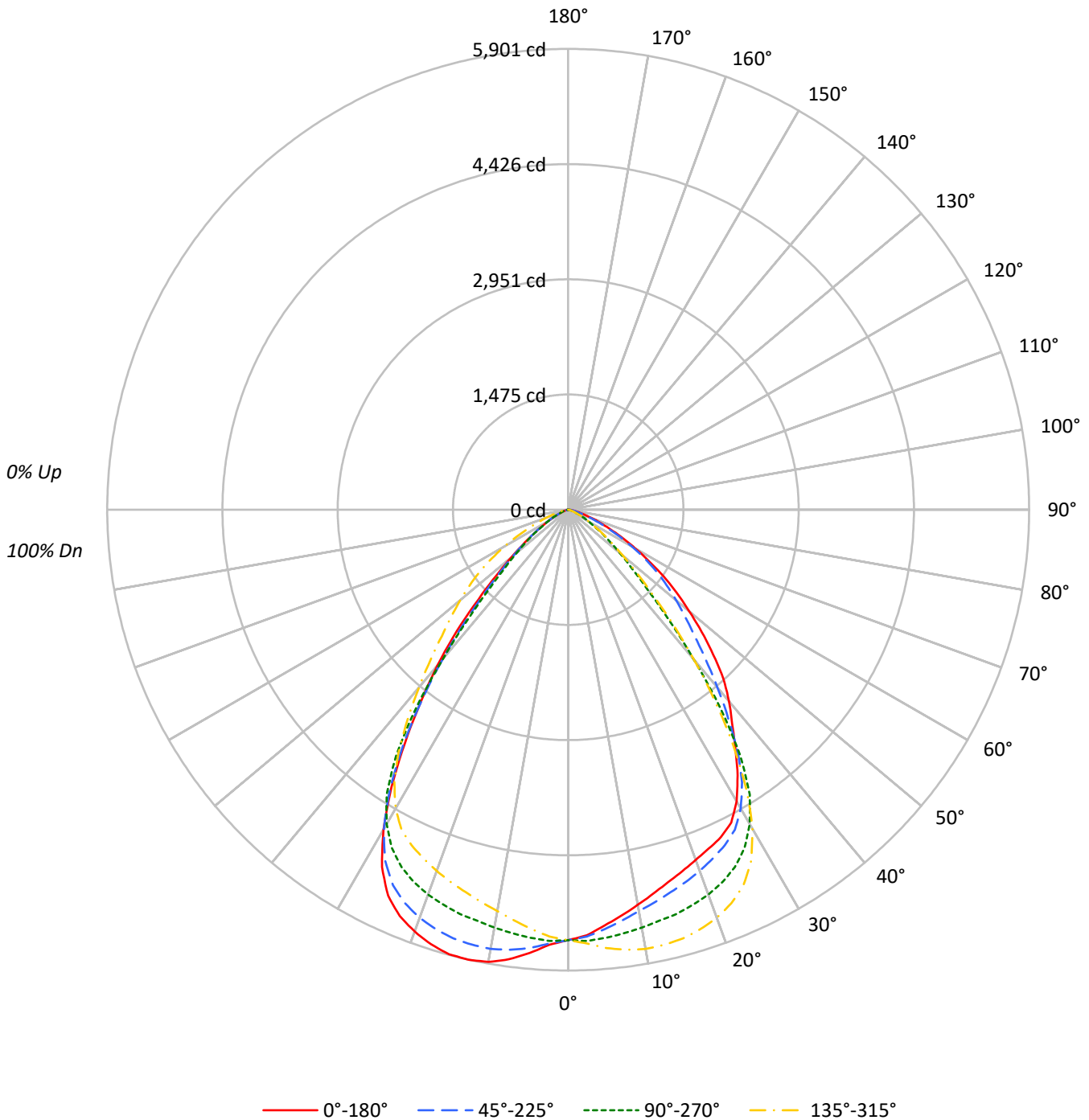
Input Watts (W): 106.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	169939	169939	169939	169939
5°	165425	170337	176420	170337
10°	160850	170115	184102	170115
15°	157635	171126	188132	171126
20°	156562	172103	188616	172103
25°	157385	171761	185584	171761
30°	153493	165471	168445	165471
35°	140402	144347	136957	144347
40°	128901	100409	104858	100409
45°	114535	61258	70878	61258
50°	96943	40921	45440	40921
55°	80293	27924	29510	27924
60°	61241	18588	18748	18588
65°	43392	11580	10602	11580
70°	31294	7763	7041	7763
75°	19873	3848	3205	3848
80°	13869	2877	2380	2877
85°	12383	0	955	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	524.5	5.7
10°-20°	1519.0	16.4
20°-30°	2300.1	24.8
30°-40°	2305.2	24.8
40°-50°	1447.6	15.6
50°-60°	771.4	8.3
60°-70°	317.2	3.4
70°-80°	83.8	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°	4343.6	46.8
0°-40°	6648.8	71.6
0°-60°	8867.8	95.5
0°-90°	9283.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9283.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	5511	5511	5511	5511	5511	
5°	5344	5503	5699	5503	5344	504
15°	4938	5360	5893	5360	4938	1397
25°	4626	5048	5454	5048	4626	2122
35°	3730	3834	3638	3834	3730	2337
45°	2626	1405	1625	1405	2626	2020
55°	1494	519	549	519	1494	1332
65°	595	159	145	159	595	617
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°	5511.0	5511.0	5511.0	5511.0	5511.0	5511.0	5511.0	5511.0	5511.0	5511.0	5511.0
2.5°	5454.5	5449.1	5446.4	5451.9	5454.5	5465.3	5462.6	5467.9	5467.9	5470.7	5476.0
5°	5344.2	5341.4	5344.2	5344.2	5355.0	5365.7	5363.0	5371.1	5376.4	5390.0	5395.3
7.5°	5242.0	5242.0	5239.2	5250.0	5255.4	5271.6	5268.8	5282.3	5290.4	5303.8	5322.6
10°	5137.0	5137.0	5139.6	5147.7	5150.5	5174.6	5174.6	5193.5	5204.2	5217.7	5242.0
12.5°	5034.8	5034.8	5050.9	5045.5	5056.2	5075.1	5083.2	5102.0	5118.2	5145.1	5169.3
15°	4937.8	4937.8	4943.3	4956.7	4964.7	4989.0	5002.4	5024.0	5042.8	5069.8	5104.8
17.5°	4854.4	4851.8	4854.4	4870.6	4886.8	4908.3	4919.0	4945.9	4964.7	4999.8	5032.1
20°	4771.0	4776.5	4776.5	4789.9	4800.6	4827.5	4838.3	4867.9	4889.4	4921.7	4959.4
22.5°	4698.4	4695.7	4695.7	4714.5	4722.6	4746.8	4757.5	4784.4	4808.7	4835.6	4870.6
25°	4625.7	4620.3	4631.1	4633.8	4639.1	4666.0	4674.1	4692.9	4717.2	4741.5	4776.5
27.5°	4518.1	4512.7	4515.4	4526.1	4534.2	4555.7	4561.1	4580.0	4598.8	4620.3	4650.0
30°	4310.8	4305.5	4302.8	4321.7	4329.8	4345.8	4353.9	4386.2	4391.6	4415.8	4437.3
32.5°	4036.4	4033.7	4039.1	4055.2	4063.3	4084.9	4095.6	4114.4	4127.8	4141.4	4162.8
35°	3729.7	3724.2	3729.7	3745.8	3745.8	3764.7	3772.7	3780.7	3778.1	3780.7	3775.4
37.5°	3444.4	3441.7	3444.4	3452.4	3444.4	3452.4	3444.4	3428.3	3398.7	3366.4	3334.0
40°	3202.2	3204.9	3188.8	3199.6	3169.9	3164.6	3135.0	3094.6	3035.4	2970.8	2879.3
42.5°	2943.9	2935.8	2925.1	2930.4	2906.3	2887.3	2838.9	2787.9	2712.4	2604.9	2494.4
45°	2626.4	2623.7	2618.3	2615.6	2599.4	2580.6	2540.2	2481.0	2397.6	2287.3	2155.4
47.5°	2316.9	2308.8	2308.8	2311.5	2292.6	2290.0	2257.6	2206.6	2133.9	2026.3	1889.0
50°	2020.8	2018.2	2023.6	2034.3	2020.8	2015.5	1994.0	1959.0	1894.5	1803.0	1673.7
52.5°	1754.5	1751.8	1757.2	1770.6	1765.2	1770.6	1749.1	1722.2	1679.1	1590.3	1477.3
55°	1493.5	1493.5	1493.5	1509.6	1509.6	1509.6	1498.8	1482.8	1442.3	1377.8	1272.9
57.5°	1221.7	1224.4	1240.5	1243.2	1240.5	1246.0	1243.2	1227.0	1200.2	1154.5	1073.7
60°	993.0	993.0	1001.1	1009.1	1006.4	1009.1	1009.1	1001.1	974.1	936.5	871.9
62.5°	785.7	793.8	788.4	793.8	804.6	793.8	788.4	783.1	764.3	740.0	686.2
65°	594.7	600.1	600.1	602.8	597.3	600.1	589.4	581.3	570.5	543.6	508.6
67.5°	452.1	452.1	452.1	452.1	449.4	446.7	444.0	436.0	417.1	406.4	368.6
70°	347.1	331.0	331.0	331.0	331.0	333.7	325.6	314.9	309.5	290.6	263.7
72.5°	231.4	236.8	231.4	231.4	226.1	228.7	218.0	212.6	207.2	196.5	180.3
75°	166.8	153.4	158.7	161.5	153.4	158.7	148.0	137.2	137.2	129.1	121.1
77.5°	107.7	105.0	107.7	110.3	107.7	105.0	99.6	94.1	94.1	91.5	83.4
80°	78.1	75.3	75.3	75.3	72.7	75.3	70.0	70.0	64.6	61.9	56.5
82.5°	51.2	51.2	48.4	51.2	48.4	51.2	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	24.3	24.3	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°	5511.0	5511.0	5511.0	5511.0	5511.0	5511.0	5511.0	5511.0	5511.0	5511.0	5511.0
2.5°	5484.1	5486.8	5486.8	5497.6	5502.9	5505.6	5505.6	5527.2	5519.1	5524.5	5529.9
5°	5406.1	5422.2	5427.6	5427.6	5457.2	5467.9	5478.7	5502.9	5505.6	5521.8	5540.6
7.5°	5330.7	5349.5	5360.4	5384.5	5403.4	5422.2	5454.5	5470.7	5486.8	5508.4	5532.5
10°	5258.0	5279.6	5301.1	5320.0	5349.5	5373.8	5395.3	5432.9	5451.9	5481.4	5513.7
12.5°	5188.2	5217.7	5236.6	5268.8	5301.1	5322.6	5355.0	5390.0	5419.5	5449.1	5486.8
15°	5126.2	5161.2	5182.7	5217.7	5252.7	5282.3	5317.3	5360.4	5381.9	5416.9	5451.9
17.5°	5058.9	5096.7	5123.6	5155.8	5198.9	5231.1	5260.8	5303.8	5330.7	5368.4	5408.8
20°	4989.0	5026.7	5058.9	5091.2	5134.3	5166.6	5201.6	5244.6	5274.2	5311.9	5344.2
22.5°	4905.6	4940.6	4975.5	5013.2	5056.2	5083.2	5123.6	5161.2	5193.5	5228.5	5260.8
25°	4797.9	4841.0	4867.9	4902.8	4937.8	4967.4	5010.5	5048.2	5075.1	5107.4	5137.0
27.5°	4671.5	4703.8	4725.3	4754.9	4789.9	4816.8	4849.0	4886.8	4913.7	4943.3	4964.7
30°	4456.1	4485.8	4504.6	4526.1	4561.1	4585.4	4612.3	4647.2	4666.0	4687.6	4706.5
32.5°	4173.6	4197.8	4208.6	4224.8	4249.0	4273.2	4294.8	4324.3	4332.4	4345.8	4345.8
35°	3764.7	3770.0	3767.3	3772.7	3783.5	3796.9	3815.7	3834.5	3845.3	3845.3	3837.3
37.5°	3285.6	3253.4	3218.4	3191.5	3183.4	3178.0	3188.8	3196.8	3207.6	3213.0	3199.6
40°	2787.9	2715.2	2637.1	2567.1	2518.7	2497.2	2489.1	2494.4	2494.4	2513.3	2513.3
42.5°	2360.0	2246.9	2131.3	2026.3	1956.3	1902.5	1878.3	1878.3	1880.9	1894.5	1902.5
45°	2004.8	1862.1	1727.5	1611.9	1515.0	1445.0	1412.8	1404.7	1402.0	1407.3	1426.2
47.5°	1733.0	1585.0	1445.0	1302.4	1200.2	1130.2	1100.6	1089.8	1079.0	1089.8	1092.5
50°	1520.4	1367.0	1219.0	1076.4	968.7	906.8	869.1	853.0	850.3	850.3	855.7
52.5°	1326.6	1184.0	1036.1	890.7	777.7	718.5	683.5	675.4	664.7	675.4	675.4
55°	1143.6	1001.1	855.7	718.5	624.2	562.4	530.1	519.4	513.9	522.0	522.0
57.5°	944.6	823.4	688.9	565.1	471.0	427.9	403.6	390.2	387.4	392.9	387.4
60°	775.0	672.8	557.0	444.0	371.4	325.6	306.8	301.4	296.0	301.4	301.4
62.5°	613.5	527.4	433.2	347.1	285.2	253.0	231.4	231.4	228.7	228.7	231.4
65°	454.8	387.4	320.2	247.6	199.1	174.9	158.7	158.7	156.1	158.7	156.1
67.5°	331.0	285.2	231.4	180.3	142.7	129.1	118.4	110.3	115.7	110.3	107.7
70°	242.2	204.5	166.8	137.2	110.3	96.9	88.8	86.1	80.7	80.7	80.7
72.5°	161.5	137.2	113.0	88.8	72.7	59.1	56.5	51.2	45.7	48.4	53.8
75°	107.7	91.5	80.7	64.6	48.4	48.4	32.3	32.3	26.9	32.3	24.3
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	24.3	24.3	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°	5511.0	5511.0	5511.0	5511.0	5511.0	5511.0	5511.0	5511.0	5511.0	5511.0	5511.0
2.5°	5543.4	5540.6	5546.0	5546.0	5562.2	5559.4	5567.5	5567.5	5562.2	5564.9	5575.6
5°	5562.2	5570.3	5586.3	5599.9	5624.0	5634.9	5648.3	5661.8	5664.4	5672.5	5680.6
7.5°	5562.2	5589.1	5607.9	5632.1	5664.4	5683.3	5712.8	5737.1	5747.8	5761.2	5777.4
10°	5551.3	5578.3	5613.3	5640.2	5680.6	5710.2	5739.7	5777.4	5793.6	5815.1	5836.7
12.5°	5529.9	5559.4	5597.1	5632.1	5677.8	5704.7	5742.4	5777.4	5801.7	5831.2	5855.5
15°	5497.6	5532.5	5567.5	5602.5	5650.9	5683.3	5718.3	5758.6	5782.8	5815.1	5836.7
17.5°	5446.4	5484.1	5516.5	5548.7	5594.4	5632.1	5664.4	5702.1	5726.3	5753.3	5782.8
20°	5384.5	5419.5	5454.5	5481.4	5527.2	5559.4	5594.4	5629.4	5648.3	5653.7	5699.4
22.5°	5306.6	5330.7	5357.6	5400.7	5427.6	5457.2	5489.5	5521.8	5540.6	5570.3	5586.3
25°	5177.3	5201.6	5231.1	5250.0	5282.3	5306.6	5338.8	5373.8	5384.5	5406.1	5422.2
27.5°	4997.1	5010.5	5024.0	5040.1	5058.9	5072.4	5091.2	5107.4	5118.2	5128.9	5139.6
30°	4711.8	4711.8	4711.8	4701.0	4709.1	4717.2	4719.9	4717.2	4717.2	4714.5	4714.5
32.5°	4335.1	4313.6	4289.3	4267.8	4259.8	4249.0	4243.6	4235.5	4222.1	4214.0	4216.7
35°	3826.5	3778.1	3748.5	3721.6	3700.1	3683.9	3675.8	3667.7	3665.1	3654.3	3643.5
37.5°	3191.5	3156.5	3135.0	3118.8	3100.0	3083.8	3086.5	3089.2	3097.2	3091.9	3094.6
40°	2518.7	2510.6	2518.7	2499.9	2494.4	2499.9	2513.3	2532.2	2543.0	2553.7	2572.5
42.5°	1915.9	1929.3	1948.3	1948.3	1956.3	1967.1	1983.2	2012.9	2028.9	2047.7	2069.3
45°	1442.3	1458.5	1482.8	1490.7	1496.2	1509.6	1528.5	1552.6	1563.4	1579.6	1598.4
47.5°	1111.4	1122.1	1135.5	1149.0	1162.4	1167.9	1186.7	1186.7	1200.2	1210.9	1216.3
50°	866.5	877.2	888.0	896.1	901.5	909.6	914.9	923.0	925.6	931.1	933.7
52.5°	678.1	691.6	691.6	696.9	705.0	713.1	710.4	713.1	715.7	715.7	723.8
55°	530.1	530.1	538.2	538.2	543.6	540.8	543.6	543.6	543.6	543.6	546.3
57.5°	395.5	398.3	406.4	401.0	398.3	403.6	398.3	403.6	401.0	406.4	398.3
60°	304.0	304.0	306.8	306.8	309.5	309.5	309.5	306.8	306.8	304.0	304.0
62.5°	228.7	231.4	234.1	231.4	231.4	231.4	228.7	228.7	226.1	223.3	223.3
65°	153.4	150.7	156.1	150.7	153.4	153.4	150.7	153.4	145.3	148.0	145.3
67.5°	110.3	107.7	105.0	107.7	105.0	102.2	102.2	105.0	107.7	99.6	99.6
70°	72.7	75.3	72.7	75.3	78.1	78.1	75.3	72.7	75.3	70.0	72.7
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	24.3	21.5	29.6	29.6	26.9	26.9	24.3	24.3	24.3
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: P248843

CATALOG NUMBER: LSR8B100D010 EC8B100950 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	5511.0	5511.0	5511.0	5511.0	5511.0	5511.0	5511.0	5511.0	5511.0	5511.0	5511.0
2.5°	5572.9	5570.3	5572.9	5575.6	5572.9	5570.3	5572.9	5575.6	5564.9	5562.2	5567.5
5°	5691.3	5691.3	5696.7	5699.4	5696.7	5691.3	5691.3	5680.6	5672.5	5664.4	5661.8
7.5°	5793.6	5799.0	5804.3	5807.0	5804.3	5799.0	5793.6	5777.4	5761.2	5747.8	5737.1
10°	5855.5	5863.6	5874.3	5879.6	5874.3	5863.6	5855.5	5836.7	5815.1	5793.6	5777.4
12.5°	5882.4	5890.5	5903.9	5901.2	5903.9	5890.5	5882.4	5855.5	5831.2	5801.7	5777.4
15°	5863.6	5874.3	5887.7	5893.1	5887.7	5874.3	5863.6	5836.7	5815.1	5782.8	5758.6
17.5°	5804.3	5820.5	5828.6	5836.7	5828.6	5820.5	5804.3	5782.8	5753.3	5726.3	5702.1
20°	5723.6	5734.4	5745.2	5747.8	5745.2	5734.4	5723.6	5699.4	5653.7	5648.3	5629.4
22.5°	5607.9	5616.0	5640.2	5632.1	5640.2	5616.0	5607.9	5586.3	5570.3	5540.6	5521.8
25°	5441.0	5449.1	5451.9	5454.5	5451.9	5449.1	5441.0	5422.2	5406.1	5384.5	5373.8
27.5°	5153.2	5153.2	5158.5	5161.2	5158.5	5153.2	5153.2	5139.6	5128.9	5118.2	5107.4
30°	4717.2	4717.2	4717.2	4730.7	4717.2	4717.2	4717.2	4714.5	4714.5	4717.2	4717.2
32.5°	4214.0	4208.6	4203.3	4208.6	4203.3	4208.6	4214.0	4216.7	4214.0	4222.1	4235.5
35°	3643.5	3640.8	3648.9	3638.2	3648.9	3640.8	3643.5	3643.5	3654.3	3665.1	3667.7
37.5°	3097.2	3091.9	3102.6	3091.9	3102.6	3091.9	3097.2	3094.6	3091.9	3097.2	3089.2
40°	2578.0	2583.3	2583.3	2604.9	2583.3	2583.3	2578.0	2572.5	2553.7	2543.0	2532.2
42.5°	2080.1	2096.3	2090.8	2107.0	2090.8	2096.3	2080.1	2069.3	2047.7	2028.9	2012.9
45°	1609.1	1620.0	1620.0	1625.3	1620.0	1620.0	1609.1	1598.4	1579.6	1563.4	1552.6
47.5°	1235.1	1235.1	1235.1	1237.9	1235.1	1235.1	1235.1	1216.3	1210.9	1200.2	1186.7
50°	939.1	941.8	944.6	947.2	944.6	941.8	939.1	933.7	931.1	925.6	923.0
52.5°	721.2	723.8	718.5	723.8	718.5	723.8	721.2	723.8	715.7	715.7	713.1
55°	546.3	543.6	546.3	548.9	546.3	543.6	546.3	546.3	543.6	543.6	543.6
57.5°	401.0	395.5	395.5	395.5	395.5	395.5	401.0	398.3	406.4	401.0	403.6
60°	298.7	301.4	301.4	304.0	301.4	301.4	298.7	304.0	304.0	306.8	306.8
62.5°	220.6	228.7	223.3	228.7	223.3	228.7	220.6	223.3	223.3	226.1	228.7
65°	142.7	142.7	142.7	145.3	142.7	142.7	142.7	145.3	148.0	145.3	153.4
67.5°	96.9	99.6	105.0	102.2	105.0	99.6	96.9	99.6	99.6	107.7	105.0
70°	78.1	70.0	70.0	78.1	70.0	70.0	78.1	72.7	70.0	75.3	72.7
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°	24.3	21.5	18.8	26.9	18.8	21.5	24.3	24.3	24.3	24.3	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: P248843

CATALOG NUMBER: LSR8B100D010 EC8B100950 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	5511.0	5511.0	5511.0	5511.0	5511.0	5511.0	5511.0	5511.0	5511.0	5511.0	5511.0
2.5°	5567.5	5559.4	5562.2	5546.0	5546.0	5540.6	5543.4	5529.9	5524.5	5519.1	5527.2
5°	5648.3	5634.9	5624.0	5599.9	5586.3	5570.3	5562.2	5540.6	5521.8	5505.6	5502.9
7.5°	5712.8	5683.3	5664.4	5632.1	5607.9	5589.1	5562.2	5532.5	5508.4	5486.8	5470.7
10°	5739.7	5710.2	5680.6	5640.2	5613.3	5578.3	5551.3	5513.7	5481.4	5451.9	5432.9
12.5°	5742.4	5704.7	5677.8	5632.1	5597.1	5559.4	5529.9	5486.8	5449.1	5419.5	5390.0
15°	5718.3	5683.3	5650.9	5602.5	5567.5	5532.5	5497.6	5451.9	5416.9	5381.9	5360.4
17.5°	5664.4	5632.1	5594.4	5548.7	5516.5	5484.1	5446.4	5408.8	5368.4	5330.7	5303.8
20°	5594.4	5559.4	5527.2	5481.4	5454.5	5419.5	5384.5	5344.2	5311.9	5274.2	5244.6
22.5°	5489.5	5457.2	5427.6	5400.7	5357.6	5330.7	5306.6	5260.8	5228.5	5193.5	5161.2
25°	5338.8	5306.6	5282.3	5250.0	5231.1	5201.6	5177.3	5137.0	5107.4	5075.1	5048.2
27.5°	5091.2	5072.4	5058.9	5040.1	5024.0	5010.5	4997.1	4964.7	4943.3	4913.7	4886.8
30°	4719.9	4717.2	4709.1	4701.0	4711.8	4711.8	4711.8	4706.5	4687.6	4666.0	4647.2
32.5°	4243.6	4249.0	4259.8	4267.8	4289.3	4313.6	4335.1	4345.8	4345.8	4332.4	4324.3
35°	3675.8	3683.9	3700.1	3721.6	3748.5	3778.1	3826.5	3837.3	3845.3	3845.3	3834.5
37.5°	3086.5	3083.8	3100.0	3118.8	3135.0	3156.5	3191.5	3199.6	3213.0	3207.6	3196.8
40°	2513.3	2499.9	2494.4	2499.9	2518.7	2510.6	2518.7	2513.3	2513.3	2494.4	2494.4
42.5°	1983.2	1967.1	1956.3	1948.3	1948.3	1929.3	1915.9	1902.5	1894.5	1880.9	1878.3
45°	1528.5	1509.6	1496.2	1490.7	1482.8	1458.5	1442.3	1426.2	1407.3	1402.0	1404.7
47.5°	1186.7	1167.9	1162.4	1149.0	1135.5	1122.1	1111.4	1092.5	1089.8	1079.0	1089.8
50°	914.9	909.6	901.5	896.1	888.0	877.2	866.5	855.7	850.3	850.3	853.0
52.5°	710.4	713.1	705.0	696.9	691.6	691.6	678.1	675.4	675.4	664.7	675.4
55°	543.6	540.8	543.6	538.2	538.2	530.1	530.1	522.0	522.0	513.9	519.4
57.5°	398.3	403.6	398.3	401.0	406.4	398.3	395.5	387.4	392.9	387.4	390.2
60°	309.5	309.5	309.5	306.8	306.8	304.0	304.0	301.4	301.4	296.0	301.4
62.5°	228.7	231.4	231.4	231.4	234.1	231.4	228.7	231.4	228.7	228.7	231.4
65°	150.7	153.4	153.4	150.7	156.1	150.7	153.4	156.1	158.7	156.1	158.7
67.5°	102.2	102.2	105.0	107.7	105.0	107.7	110.3	107.7	110.3	115.7	110.3
70°	75.3	78.1	78.1	75.3	72.7	75.3	72.7	80.7	80.7	80.7	86.1
72.5°	48.4	48.4	45.7	45.7	45.7	45.7	45.7	53.8	48.4	45.7	51.2
75°	26.9	29.6	29.6	21.5	24.3	29.6	21.5	24.3	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: P248843

CATALOG NUMBER: LSR8B100D010 EC8B100950 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	5511.0	5511.0	5511.0	5511.0	5511.0	5511.0	5511.0	5511.0	5511.0	5511.0	5511.0
2.5°	5505.6	5505.6	5502.9	5497.6	5486.8	5486.8	5484.1	5476.0	5470.7	5467.9	5467.9
5°	5478.7	5467.9	5457.2	5427.6	5427.6	5422.2	5406.1	5395.3	5390.0	5376.4	5371.1
7.5°	5454.5	5422.2	5403.4	5384.5	5360.4	5349.5	5330.7	5322.6	5303.8	5290.4	5282.3
10°	5395.3	5373.8	5349.5	5320.0	5301.1	5279.6	5258.0	5242.0	5217.7	5204.2	5193.5
12.5°	5355.0	5322.6	5301.1	5268.8	5236.6	5217.7	5188.2	5169.3	5145.1	5118.2	5102.0
15°	5317.3	5282.3	5252.7	5217.7	5182.7	5161.2	5126.2	5104.8	5069.8	5042.8	5024.0
17.5°	5260.8	5231.1	5198.9	5155.8	5123.6	5096.7	5058.9	5032.1	4999.8	4964.7	4945.9
20°	5201.6	5166.6	5134.3	5091.2	5058.9	5026.7	4989.0	4959.4	4921.7	4889.4	4867.9
22.5°	5123.6	5083.2	5056.2	5013.2	4975.5	4940.6	4905.6	4870.6	4835.6	4808.7	4784.4
25°	5010.5	4967.4	4937.8	4902.8	4867.9	4841.0	4797.9	4776.5	4741.5	4717.2	4692.9
27.5°	4849.0	4816.8	4789.9	4754.9	4725.3	4703.8	4671.5	4650.0	4620.3	4598.8	4580.0
30°	4612.3	4585.4	4561.1	4526.1	4504.6	4485.8	4456.1	4437.3	4415.8	4391.6	4386.2
32.5°	4294.8	4273.2	4249.0	4224.8	4208.6	4197.8	4173.6	4162.8	4141.4	4127.8	4114.4
35°	3815.7	3796.9	3783.5	3772.7	3767.3	3770.0	3764.7	3775.4	3780.7	3778.1	3780.7
37.5°	3188.8	3178.0	3183.4	3191.5	3218.4	3253.4	3285.6	3334.0	3366.4	3398.7	3428.3
40°	2489.1	2497.2	2518.7	2567.1	2637.1	2715.2	2787.9	2879.3	2970.8	3035.4	3094.6
42.5°	1878.3	1902.5	1956.3	2026.3	2131.3	2246.9	2360.0	2494.4	2604.9	2712.4	2787.9
45°	1412.8	1445.0	1515.0	1611.9	1727.5	1862.1	2004.8	2155.4	2287.3	2397.6	2481.0
47.5°	1100.6	1130.2	1200.2	1302.4	1445.0	1585.0	1733.0	1889.0	2026.3	2133.9	2206.6
50°	869.1	906.8	968.7	1076.4	1219.0	1367.0	1520.4	1673.7	1803.0	1894.5	1959.0
52.5°	683.5	718.5	777.7	890.7	1036.1	1184.0	1326.6	1477.3	1590.3	1679.1	1722.2
55°	530.1	562.4	624.2	718.5	855.7	1001.1	1143.6	1272.9	1377.8	1442.3	1482.8
57.5°	403.6	427.9	471.0	565.1	688.9	823.4	944.6	1073.7	1154.5	1200.2	1227.0
60°	306.8	325.6	371.4	444.0	557.0	672.8	775.0	871.9	936.5	974.1	1001.1
62.5°	231.4	253.0	285.2	347.1	433.2	527.4	613.5	686.2	740.0	764.3	783.1
65°	158.7	174.9	199.1	247.6	320.2	387.4	454.8	508.6	543.6	570.5	581.3
67.5°	118.4	129.1	142.7	180.3	231.4	285.2	331.0	368.6	406.4	417.1	436.0
70°	88.8	96.9	110.3	137.2	166.8	204.5	242.2	263.7	290.6	309.5	314.9
72.5°	56.5	59.1	72.7	88.8	113.0	137.2	161.5	180.3	196.5	207.2	212.6
75°	32.3	48.4	48.4	64.6	80.7	91.5	107.7	121.1	129.1	137.2	137.2
77.5°	21.5	29.6	32.3	40.3	48.4	61.9	75.3	83.4	91.5	94.1	94.1
80°	18.8	21.5	21.5	29.6	35.0	45.7	53.8	56.5	61.9	64.6	70.0
82.5°	8.1	10.7	13.4	21.5	24.3	24.3	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	24.3	24.3	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: P248843

CATALOG NUMBER: LSR8B100D010 EC8B100950 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	5511.0	5511.0	5511.0	5511.0	5511.0	5511.0	5511.0
2.5°	5462.6	5465.3	5454.5	5451.9	5446.4	5449.1	5454.5
5°	5363.0	5365.7	5355.0	5344.2	5344.2	5341.4	5344.2
7.5°	5268.8	5271.6	5255.4	5250.0	5239.2	5242.0	5242.0
10°	5174.6	5174.6	5150.5	5147.7	5139.6	5137.0	5137.0
12.5°	5083.2	5075.1	5056.2	5045.5	5050.9	5034.8	5034.8
15°	5002.4	4989.0	4964.7	4956.7	4943.3	4937.8	4937.8
17.5°	4919.0	4908.3	4886.8	4870.6	4854.4	4851.8	4854.4
20°	4838.3	4827.5	4800.6	4789.9	4776.5	4776.5	4771.0
22.5°	4757.5	4746.8	4722.6	4714.5	4695.7	4695.7	4698.4
25°	4674.1	4666.0	4639.1	4633.8	4631.1	4620.3	4625.7
27.5°	4561.1	4555.7	4534.2	4526.1	4515.4	4512.7	4518.1
30°	4353.9	4345.8	4329.8	4321.7	4302.8	4305.5	4310.8
32.5°	4095.6	4084.9	4063.3	4055.2	4039.1	4033.7	4036.4
35°	3772.7	3764.7	3745.8	3745.8	3729.7	3724.2	3729.7
37.5°	3444.4	3452.4	3444.4	3452.4	3444.4	3441.7	3444.4
40°	3135.0	3164.6	3169.9	3199.6	3188.8	3204.9	3202.2
42.5°	2838.9	2887.3	2906.3	2930.4	2925.1	2935.8	2943.9
45°	2540.2	2580.6	2599.4	2615.6	2618.3	2623.7	2626.4
47.5°	2257.6	2290.0	2292.6	2311.5	2308.8	2308.8	2316.9
50°	1994.0	2015.5	2020.8	2034.3	2023.6	2018.2	2020.8
52.5°	1749.1	1770.6	1765.2	1770.6	1757.2	1751.8	1754.5
55°	1498.8	1509.6	1509.6	1509.6	1493.5	1493.5	1493.5
57.5°	1243.2	1246.0	1240.5	1243.2	1240.5	1224.4	1221.7
60°	1009.1	1009.1	1006.4	1009.1	1001.1	993.0	993.0
62.5°	788.4	793.8	804.6	793.8	788.4	793.8	785.7
65°	589.4	600.1	597.3	602.8	600.1	600.1	594.7
67.5°	444.0	446.7	449.4	452.1	452.1	452.1	452.1
70°	325.6	333.7	331.0	331.0	331.0	331.0	347.1
72.5°	218.0	228.7	226.1	231.4	231.4	236.8	231.4
75°	148.0	158.7	153.4	161.5	158.7	153.4	166.8
77.5°	99.6	105.0	107.7	110.3	107.7	105.0	107.7
80°	70.0	75.3	72.7	75.3	75.3	75.3	78.1
82.5°	43.1	51.2	48.4	51.2	48.4	51.2	51.2
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)