

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: P248627

Luminaire Tested: **LSR8B100D010 EC8B100950 8LBSW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248627
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 8LBSW0H
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT- CYLINDEC
90 CRI 5000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10031.0 lumens
Efficiency: N/A
Efficacy: 94.4 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

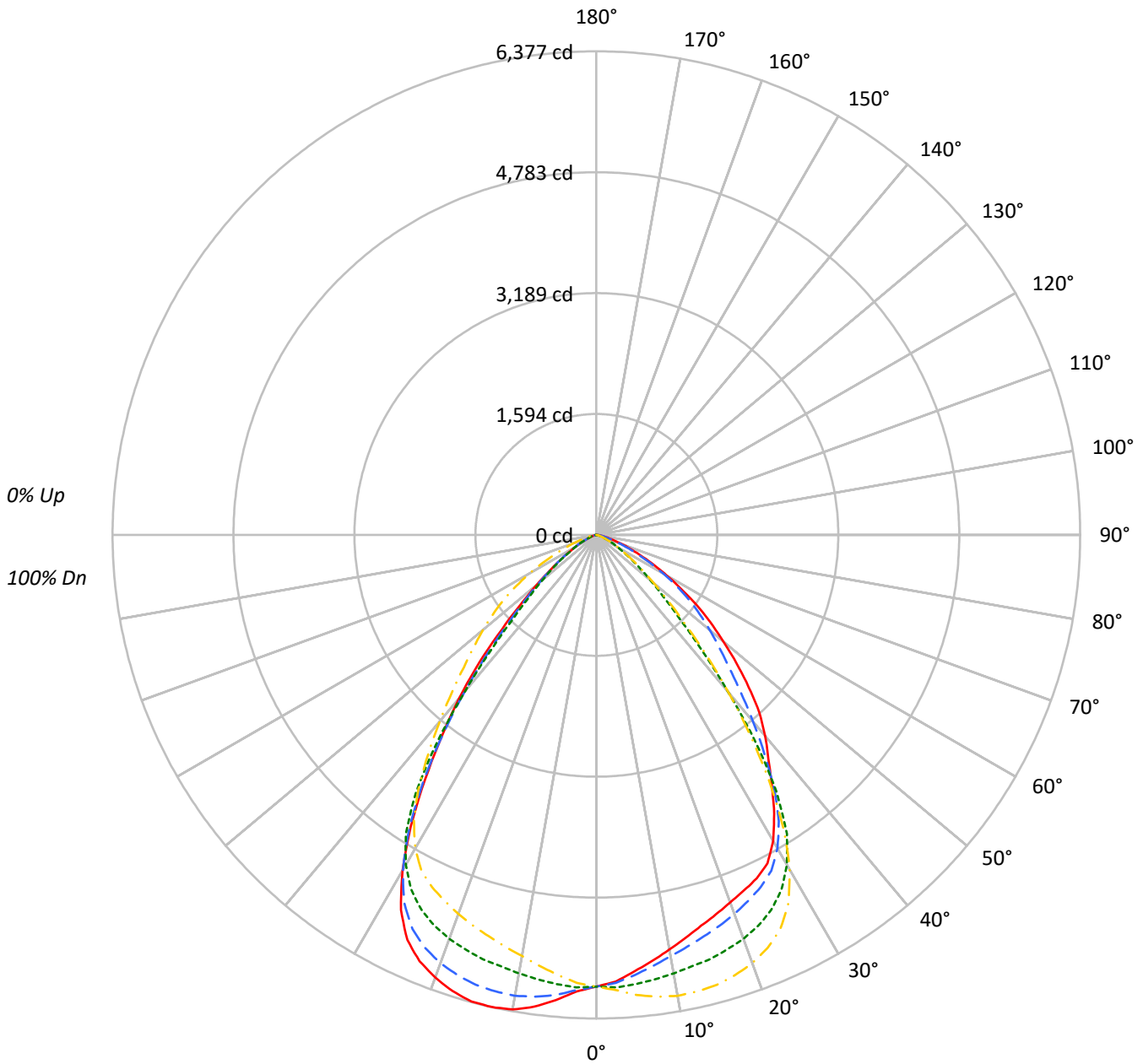
Input Watts (W): 106.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270° - - - 135°-315°



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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°	183633	183633	183633	183633
5°	178754	184062	190637	184062
10°	173810	183823	198938	183823
15°	170337	184914	203293	184914
20°	169179	185971	203816	185971
25°	170066	185598	200538	185598
30°	165863	178806	182018	178806
35°	151714	155979	147991	155979
40°	139287	108500	113307	108500
45°	123763	66194	76591	66194
50°	104758	44217	49105	44217
55°	86760	30171	31891	30171
60°	66175	20087	20259	20087
65°	46887	12513	11455	12513
70°	33819	8385	7609	8385
75°	21469	4158	3467	4158
80°	14988	3108	2575	3108
85°	13374	0	1026	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	566.8	5.7
10°-20°	1641.4	16.4
20°-30°	2485.4	24.8
30°-40°	2491.0	24.8
40°-50°	1564.2	15.6
50°-60°	833.6	8.3
60°-70°	342.8	3.4
70°-80°	90.6	0.9
80°-90°	15.3	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°	4693.6	46.8
0°-40°	7184.6	71.6
0°-60°	9582.3	95.5
0°-90°	10031.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10031.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	5955	5955	5955	5955	5955	
5°	5775	5946	6159	5946	5775	545
15°	5336	5792	6368	5792	5336	1509
25°	4998	5455	5894	5455	4998	2292
35°	4030	4144	3931	4144	4030	2525
45°	2838	1518	1756	1518	2838	2183
55°	1614	561	593	561	1614	1439
65°	643	172	157	172	643	667
75°	180	35	29	35	180	204
85°	38	0	3	0	38	42
90°	0	0	0	0	0	



TEST NUMBER: P248627

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	5955.1	5955.1	5955.1	5955.1	5955.1	5955.1	5955.1	5955.1	5955.1	5955.1	5955.1
2.5°	5894.0	5888.2	5885.3	5891.2	5894.0	5905.7	5902.8	5908.5	5908.5	5911.5	5917.3
5°	5774.8	5771.8	5774.8	5774.8	5786.4	5798.1	5795.2	5803.9	5809.7	5824.3	5830.0
7.5°	5664.4	5664.4	5661.4	5673.0	5678.9	5696.3	5693.3	5707.9	5716.7	5731.2	5751.5
10°	5550.9	5550.9	5553.8	5562.5	5565.5	5591.6	5591.6	5611.9	5623.6	5638.2	5664.4
12.5°	5440.4	5440.4	5457.9	5452.0	5463.7	5484.0	5492.7	5513.1	5530.6	5559.6	5585.9
15°	5335.7	5335.7	5341.6	5356.1	5364.8	5391.0	5405.5	5428.8	5449.2	5478.3	5516.1
17.5°	5245.6	5242.7	5245.6	5263.1	5280.5	5303.8	5315.4	5344.5	5364.8	5402.6	5437.6
20°	5155.5	5161.3	5161.3	5175.8	5187.4	5216.5	5228.1	5260.2	5283.4	5318.2	5359.1
22.5°	5077.0	5074.1	5074.1	5094.4	5103.2	5129.3	5140.9	5169.9	5196.2	5225.2	5263.1
25°	4998.4	4992.6	5004.3	5007.2	5012.9	5042.0	5050.7	5071.1	5097.3	5123.5	5161.3
27.5°	4882.1	4876.4	4879.2	4890.8	4899.6	4922.8	4928.7	4949.0	4969.4	4992.6	5024.6
30°	4658.2	4652.4	4649.6	4669.9	4678.6	4696.0	4704.7	4739.7	4745.4	4771.6	4794.9
32.5°	4361.6	4358.7	4364.6	4381.9	4390.7	4414.0	4425.6	4446.0	4460.5	4475.1	4498.3
35°	4030.2	4024.3	4030.2	4047.7	4047.7	4068.0	4076.7	4085.4	4082.5	4085.4	4079.6
37.5°	3722.0	3719.0	3722.0	3730.6	3722.0	3730.6	3722.0	3704.5	3672.6	3637.6	3602.7
40°	3460.2	3463.1	3445.8	3457.4	3425.3	3419.5	3387.6	3343.9	3280.0	3210.2	3111.4
42.5°	3181.1	3172.4	3160.8	3166.5	3140.4	3120.0	3067.7	3012.5	2931.0	2814.8	2695.4
45°	2838.0	2835.1	2829.3	2826.4	2808.9	2788.6	2744.9	2681.0	2590.8	2471.6	2329.1
47.5°	2503.6	2494.9	2494.9	2497.7	2477.4	2474.5	2439.6	2384.4	2305.9	2189.5	2041.2
50°	2183.7	2180.8	2186.7	2198.3	2183.7	2177.9	2154.7	2116.9	2047.1	1948.2	1808.6
52.5°	1895.8	1893.0	1898.8	1913.3	1907.4	1913.3	1890.1	1861.0	1814.4	1718.4	1596.4
55°	1613.8	1613.8	1613.8	1631.2	1631.2	1631.2	1619.6	1602.2	1558.5	1488.8	1375.4
57.5°	1320.1	1323.0	1340.5	1343.4	1340.5	1346.3	1343.4	1325.9	1296.9	1247.5	1160.2
60°	1073.0	1073.0	1081.7	1090.5	1087.5	1090.5	1090.5	1081.7	1052.6	1011.9	942.2
62.5°	849.1	857.8	851.9	857.8	869.4	857.8	851.9	846.2	825.8	799.6	741.5
65°	642.6	648.5	648.5	651.3	645.5	648.5	636.8	628.1	616.5	587.4	549.6
67.5°	488.6	488.6	488.6	488.6	485.6	482.7	479.8	471.1	450.7	439.1	398.3
70°	375.1	357.6	357.6	357.6	357.6	360.6	351.9	340.3	334.4	314.1	285.0
72.5°	250.0	255.9	250.0	250.0	244.3	247.2	235.5	229.7	223.9	212.3	194.8
75°	180.2	165.8	171.5	174.5	165.8	171.5	159.9	148.3	148.3	139.6	130.8
77.5°	116.3	113.5	116.3	119.2	116.3	113.5	107.6	101.7	101.7	98.9	90.1
80°	84.4	81.4	81.4	81.4	78.5	81.4	75.6	75.6	69.8	66.9	61.0
82.5°	55.3	55.3	52.3	55.3	52.3	55.3	46.6	46.6	46.6	43.6	37.8
85°	37.8	32.0	32.0	34.9	29.1	34.9	32.0	29.1	26.2	26.2	23.2
87.5°	17.5	20.3	17.5	20.3	17.5	17.5	20.3	17.5	17.5	11.6	11.6
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: P248627

CATALOG NUMBER: LSR8B100D010 EC8B100950 8LBSW0H

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	5955.1	5955.1	5955.1	5955.1	5955.1	5955.1	5955.1	5955.1	5955.1	5955.1	5955.1
2.5°	5926.0	5928.9	5928.9	5940.6	5946.3	5949.2	5949.2	5972.6	5963.8	5969.7	5975.4
5°	5841.7	5859.1	5865.0	5865.0	5896.9	5908.5	5920.1	5946.3	5949.2	5966.7	5987.0
7.5°	5760.2	5780.6	5792.3	5818.4	5838.8	5859.1	5894.0	5911.5	5928.9	5952.2	5978.3
10°	5681.7	5705.1	5728.3	5748.6	5780.6	5806.8	5830.0	5870.7	5891.2	5923.1	5958.0
12.5°	5606.2	5638.2	5658.5	5693.3	5728.3	5751.5	5786.4	5824.3	5856.2	5888.2	5928.9
15°	5539.3	5577.1	5600.3	5638.2	5676.0	5707.9	5745.8	5792.3	5815.5	5853.4	5891.2
17.5°	5466.5	5507.3	5536.4	5571.3	5617.8	5652.6	5684.7	5731.2	5760.2	5800.9	5844.6
20°	5391.0	5431.7	5466.5	5501.5	5548.0	5582.9	5620.7	5667.2	5699.2	5739.9	5774.8
22.5°	5300.9	5338.7	5376.4	5417.1	5463.7	5492.7	5536.4	5577.1	5611.9	5649.8	5684.7
25°	5184.5	5231.1	5260.2	5297.9	5335.7	5367.7	5414.2	5454.9	5484.0	5519.0	5550.9
27.5°	5047.9	5082.8	5106.0	5138.0	5175.8	5204.9	5239.7	5280.5	5309.6	5341.6	5364.8
30°	4815.2	4847.3	4867.6	4890.8	4928.7	4954.9	4984.0	5021.7	5042.0	5065.3	5085.7
32.5°	4509.9	4536.1	4547.7	4565.2	4591.4	4617.5	4640.8	4672.8	4681.5	4696.0	4696.0
35°	4068.0	4073.7	4070.9	4076.7	4088.3	4102.8	4123.2	4143.5	4155.1	4155.1	4146.5
37.5°	3550.4	3515.5	3477.7	3448.6	3439.9	3434.0	3445.8	3454.4	3466.1	3471.8	3457.4
40°	3012.5	2934.0	2849.6	2774.0	2721.7	2698.4	2689.7	2695.4	2695.4	2715.8	2715.8
42.5°	2550.1	2427.9	2303.0	2189.5	2113.9	2055.8	2029.6	2029.6	2032.5	2047.1	2055.8
45°	2166.3	2012.2	1866.7	1741.8	1637.1	1561.4	1526.6	1517.9	1515.0	1520.7	1541.1
47.5°	1872.6	1712.7	1561.4	1407.4	1296.9	1221.3	1189.3	1177.6	1166.0	1177.6	1180.6
50°	1642.9	1477.2	1317.3	1163.1	1046.8	979.9	939.2	921.7	918.8	918.8	924.7
52.5°	1433.5	1279.4	1119.5	962.5	840.3	776.4	738.6	729.8	718.2	729.8	729.8
55°	1235.8	1081.7	924.7	776.4	674.5	607.8	572.8	561.2	555.3	564.1	564.1
57.5°	1020.7	889.7	744.4	610.6	508.9	462.3	436.1	421.7	418.7	424.5	418.7
60°	837.4	727.0	601.9	479.8	401.3	351.9	331.5	325.7	319.8	325.7	325.7
62.5°	662.9	569.9	468.1	375.1	308.2	273.4	250.0	250.0	247.2	247.2	250.0
65°	491.4	418.7	346.0	267.5	215.2	189.0	171.5	171.5	168.6	171.5	168.6
67.5°	357.6	308.2	250.0	194.8	154.2	139.6	127.9	119.2	125.1	119.2	116.3
70°	261.8	220.9	180.2	148.3	119.2	104.7	96.0	93.0	87.3	87.3	87.3
72.5°	174.5	148.3	122.1	96.0	78.5	63.9	61.0	55.3	49.4	52.3	58.2
75°	116.3	98.9	87.3	69.8	52.3	52.3	34.9	34.9	29.1	34.9	26.2
77.5°	81.4	66.9	52.3	43.6	34.9	32.0	23.2	23.2	20.3	20.3	20.3
80°	58.2	49.4	37.8	32.0	23.2	23.2	20.3	17.5	14.5	14.5	17.5
82.5°	34.9	26.2	26.2	23.2	14.5	11.6	8.7	11.6	5.9	5.9	5.9
85°	20.3	17.5	14.5	8.7	5.9	5.9	2.9	0.0	2.9	2.9	0.0
87.5°	11.6	5.9	5.9	2.9	0.0	2.9	2.9	0.0	0.0	0.0	5.9
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: P248627

CATALOG NUMBER: LSR8B100D010 EC8B100950 8LBSWOH

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	5955.1	5955.1	5955.1	5955.1	5955.1	5955.1	5955.1	5955.1	5955.1	5955.1	5955.1
2.5°	5990.0	5987.0	5992.9	5992.9	6010.4	6007.4	6016.1	6016.1	6010.4	6013.3	6024.9
5°	6010.4	6019.1	6036.5	6051.1	6077.2	6088.9	6103.4	6118.0	6120.9	6129.6	6138.3
7.5°	6010.4	6039.5	6059.8	6085.9	6120.9	6141.2	6173.2	6199.4	6211.0	6225.5	6242.9
10°	5998.7	6027.7	6065.6	6094.6	6138.3	6170.3	6202.2	6242.9	6260.4	6283.6	6307.0
12.5°	5975.4	6007.4	6048.1	6085.9	6135.3	6164.4	6205.1	6242.9	6269.1	6301.1	6327.3
15°	5940.6	5978.3	6016.1	6053.9	6106.3	6141.2	6179.0	6222.6	6248.8	6283.6	6307.0
17.5°	5885.3	5926.0	5961.0	5995.8	6045.2	6085.9	6120.9	6161.5	6187.8	6216.8	6248.8
20°	5818.4	5856.2	5894.0	5923.1	5972.6	6007.4	6045.2	6083.0	6103.4	6109.2	6158.7
22.5°	5734.1	5760.2	5789.3	5835.9	5865.0	5896.9	5931.9	5966.7	5987.0	6019.1	6036.5
25°	5594.5	5620.7	5652.6	5673.0	5707.9	5734.1	5769.0	5806.8	5818.4	5841.7	5859.1
27.5°	5399.7	5414.2	5428.8	5446.2	5466.5	5481.1	5501.5	5519.0	5530.6	5542.2	5553.8
30°	5091.4	5091.4	5091.4	5079.8	5088.6	5097.3	5100.2	5097.3	5097.3	5094.4	5094.4
32.5°	4684.4	4661.2	4635.0	4611.7	4603.0	4591.4	4585.5	4576.8	4562.3	4553.6	4556.4
35°	4134.8	4082.5	4050.5	4021.4	3998.2	3980.7	3972.0	3963.3	3960.4	3948.8	3937.1
37.5°	3448.6	3410.8	3387.6	3370.1	3349.8	3332.3	3335.2	3338.2	3346.8	3341.0	3343.9
40°	2721.7	2712.9	2721.7	2701.3	2695.4	2701.3	2715.8	2736.3	2747.9	2759.5	2779.8
42.5°	2070.3	2084.8	2105.3	2105.3	2113.9	2125.6	2143.0	2175.1	2192.4	2212.8	2236.1
45°	1558.5	1576.0	1602.2	1610.9	1616.7	1631.2	1651.7	1677.8	1689.4	1706.8	1727.2
47.5°	1200.9	1212.5	1227.0	1241.6	1256.1	1262.0	1282.3	1282.3	1296.9	1308.5	1314.3
50°	936.3	947.9	959.5	968.3	974.1	982.9	988.6	997.3	1000.2	1006.1	1009.0
52.5°	732.7	747.3	747.3	753.1	761.8	770.5	767.7	770.5	773.4	773.4	782.1
55°	572.8	572.8	581.6	581.6	587.4	584.4	587.4	587.4	587.4	587.4	590.3
57.5°	427.4	430.4	439.1	433.3	430.4	436.1	430.4	436.1	433.3	439.1	430.4
60°	328.5	328.5	331.5	331.5	334.4	334.4	334.4	331.5	331.5	328.5	328.5
62.5°	247.2	250.0	253.0	250.0	250.0	250.0	247.2	247.2	244.3	241.3	241.3
65°	165.8	162.9	168.6	162.9	165.8	165.8	162.9	165.8	157.0	159.9	157.0
67.5°	119.2	116.3	113.5	116.3	113.5	110.5	110.5	113.5	116.3	107.6	107.6
70°	78.5	81.4	78.5	81.4	84.4	84.4	81.4	78.5	81.4	75.6	78.5
72.5°	49.4	49.4	49.4	49.4	49.4	52.3	52.3	52.3	46.6	46.6	43.6
75°	23.2	32.0	26.2	23.2	32.0	32.0	29.1	29.1	26.2	26.2	26.2
77.5°	23.2	17.5	17.5	17.5	17.5	17.5	17.5	17.5	14.5	17.5	14.5
80°	11.6	11.6	11.6	8.7	11.6	11.6	14.5	11.6	11.6	8.7	14.5
82.5°	5.9	5.9	5.9	0.0	2.9	5.9	5.9	2.9	5.9	5.9	2.9
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: P248627

CATALOG NUMBER: LSR8B100D010 EC8B100950 8LBSW0H

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	5955.1	5955.1	5955.1	5955.1	5955.1	5955.1	5955.1	5955.1	5955.1	5955.1	5955.1
2.5°	6022.0	6019.1	6022.0	6024.9	6022.0	6019.1	6022.0	6024.9	6013.3	6010.4	6016.1
5°	6149.9	6149.9	6155.7	6158.7	6155.7	6149.9	6149.9	6138.3	6129.6	6120.9	6118.0
7.5°	6260.4	6266.3	6272.0	6274.9	6272.0	6266.3	6260.4	6242.9	6225.5	6211.0	6199.4
10°	6327.3	6336.0	6347.7	6353.4	6347.7	6336.0	6327.3	6307.0	6283.6	6260.4	6242.9
12.5°	6356.4	6365.1	6379.6	6376.7	6379.6	6365.1	6356.4	6327.3	6301.1	6269.1	6242.9
15°	6336.0	6347.7	6362.1	6368.0	6362.1	6347.7	6336.0	6307.0	6283.6	6248.8	6222.6
17.5°	6272.0	6289.5	6298.2	6307.0	6298.2	6289.5	6272.0	6248.8	6216.8	6187.8	6161.5
20°	6184.8	6196.5	6208.1	6211.0	6208.1	6196.5	6184.8	6158.7	6109.2	6103.4	6083.0
22.5°	6059.8	6068.5	6094.6	6085.9	6094.6	6068.5	6059.8	6036.5	6019.1	5987.0	5966.7
25°	5879.4	5888.2	5891.2	5894.0	5891.2	5888.2	5879.4	5859.1	5841.7	5818.4	5806.8
27.5°	5568.4	5568.4	5574.1	5577.1	5574.1	5568.4	5568.4	5553.8	5542.2	5530.6	5519.0
30°	5097.3	5097.3	5097.3	5111.9	5097.3	5097.3	5097.3	5094.4	5094.4	5097.3	5097.3
32.5°	4553.6	4547.7	4542.0	4547.7	4542.0	4547.7	4553.6	4556.4	4553.6	4562.3	4576.8
35°	3937.1	3934.2	3942.9	3931.3	3942.9	3934.2	3937.1	3937.1	3948.8	3960.4	3963.3
37.5°	3346.8	3341.0	3352.6	3341.0	3352.6	3341.0	3346.8	3343.9	3341.0	3346.8	3338.2
40°	2785.7	2791.4	2791.4	2814.8	2791.4	2791.4	2785.7	2779.8	2759.5	2747.9	2736.3
42.5°	2247.7	2265.2	2259.3	2276.8	2259.3	2265.2	2247.7	2236.1	2212.8	2192.4	2175.1
45°	1738.8	1750.5	1750.5	1756.3	1750.5	1750.5	1738.8	1727.2	1706.8	1689.4	1677.8
47.5°	1334.6	1334.6	1334.6	1337.6	1334.6	1334.6	1334.6	1314.3	1308.5	1296.9	1282.3
50°	1014.8	1017.7	1020.7	1023.6	1020.7	1017.7	1014.8	1009.0	1006.1	1000.2	997.3
52.5°	779.3	782.1	776.4	782.1	776.4	782.1	779.3	782.1	773.4	773.4	770.5
55°	590.3	587.4	590.3	593.2	590.3	587.4	590.3	590.3	587.4	587.4	587.4
57.5°	433.3	427.4	427.4	427.4	427.4	427.4	433.3	430.4	439.1	433.3	436.1
60°	322.8	325.7	325.7	328.5	325.7	325.7	322.8	328.5	328.5	331.5	331.5
62.5°	238.4	247.2	241.3	247.2	241.3	247.2	238.4	241.3	241.3	244.3	247.2
65°	154.2	154.2	154.2	157.0	154.2	154.2	154.2	157.0	159.9	157.0	165.8
67.5°	104.7	107.6	113.5	110.5	113.5	107.6	104.7	107.6	107.6	116.3	113.5
70°	84.4	75.6	75.6	84.4	75.6	75.6	84.4	78.5	75.6	81.4	78.5
72.5°	49.4	43.6	49.4	49.4	49.4	43.6	49.4	43.6	46.6	46.6	52.3
75°	26.2	23.2	20.3	29.1	20.3	23.2	26.2	26.2	26.2	26.2	29.1
77.5°	17.5	14.5	20.3	20.3	20.3	14.5	17.5	14.5	17.5	14.5	17.5
80°	8.7	11.6	8.7	14.5	8.7	11.6	8.7	14.5	8.7	11.6	11.6
82.5°	2.9	5.9	5.9	5.9	5.9	5.9	2.9	2.9	5.9	5.9	2.9
85°	0.0	5.9	2.9	2.9	2.9	5.9	0.0	0.0	0.0	0.0	0.0
87.5°	2.9	0.0	0.0	2.9	0.0	0.0	2.9	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: P248627

CATALOG NUMBER: LSR8B100D010 EC8B100950 8LBSWOH

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	5955.1	5955.1	5955.1	5955.1	5955.1	5955.1	5955.1	5955.1	5955.1	5955.1	5955.1
2.5°	6016.1	6007.4	6010.4	5992.9	5992.9	5987.0	5990.0	5975.4	5969.7	5963.8	5972.6
5°	6103.4	6088.9	6077.2	6051.1	6036.5	6019.1	6010.4	5987.0	5966.7	5949.2	5946.3
7.5°	6173.2	6141.2	6120.9	6085.9	6059.8	6039.5	6010.4	5978.3	5952.2	5928.9	5911.5
10°	6202.2	6170.3	6138.3	6094.6	6065.6	6027.7	5998.7	5958.0	5923.1	5891.2	5870.7
12.5°	6205.1	6164.4	6135.3	6085.9	6048.1	6007.4	5975.4	5928.9	5888.2	5856.2	5824.3
15°	6179.0	6141.2	6106.3	6053.9	6016.1	5978.3	5940.6	5891.2	5853.4	5815.5	5792.3
17.5°	6120.9	6085.9	6045.2	5995.8	5961.0	5926.0	5885.3	5844.6	5800.9	5760.2	5731.2
20°	6045.2	6007.4	5972.6	5923.1	5894.0	5856.2	5818.4	5774.8	5739.9	5699.2	5667.2
22.5°	5931.9	5896.9	5865.0	5835.9	5789.3	5760.2	5734.1	5684.7	5649.8	5611.9	5577.1
25°	5769.0	5734.1	5707.9	5673.0	5652.6	5620.7	5594.5	5550.9	5519.0	5484.0	5454.9
27.5°	5501.5	5481.1	5466.5	5446.2	5428.8	5414.2	5399.7	5364.8	5341.6	5309.6	5280.5
30°	5100.2	5097.3	5088.6	5079.8	5091.4	5091.4	5091.4	5085.7	5065.3	5042.0	5021.7
32.5°	4585.5	4591.4	4603.0	4611.7	4635.0	4661.2	4684.4	4696.0	4696.0	4681.5	4672.8
35°	3972.0	3980.7	3998.2	4021.4	4050.5	4082.5	4134.8	4146.5	4155.1	4155.1	4143.5
37.5°	3335.2	3332.3	3349.8	3370.1	3387.6	3410.8	3448.6	3457.4	3471.8	3466.1	3454.4
40°	2715.8	2701.3	2695.4	2701.3	2721.7	2712.9	2721.7	2715.8	2715.8	2695.4	2695.4
42.5°	2143.0	2125.6	2113.9	2105.3	2105.3	2084.8	2070.3	2055.8	2047.1	2032.5	2029.6
45°	1651.7	1631.2	1616.7	1610.9	1602.2	1576.0	1558.5	1541.1	1520.7	1515.0	1517.9
47.5°	1282.3	1262.0	1256.1	1241.6	1227.0	1212.5	1200.9	1180.6	1177.6	1166.0	1177.6
50°	988.6	982.9	974.1	968.3	959.5	947.9	936.3	924.7	918.8	918.8	921.7
52.5°	767.7	770.5	761.8	753.1	747.3	747.3	732.7	729.8	729.8	718.2	729.8
55°	587.4	584.4	587.4	581.6	581.6	572.8	572.8	564.1	564.1	555.3	561.2
57.5°	430.4	436.1	430.4	433.3	439.1	430.4	427.4	418.7	424.5	418.7	421.7
60°	334.4	334.4	334.4	331.5	331.5	328.5	328.5	325.7	325.7	319.8	325.7
62.5°	247.2	250.0	250.0	250.0	253.0	250.0	247.2	250.0	247.2	247.2	250.0
65°	162.9	165.8	165.8	162.9	168.6	162.9	165.8	168.6	171.5	168.6	171.5
67.5°	110.5	110.5	113.5	116.3	113.5	116.3	119.2	116.3	119.2	125.1	119.2
70°	81.4	84.4	84.4	81.4	78.5	81.4	78.5	87.3	87.3	87.3	93.0
72.5°	52.3	52.3	49.4	49.4	49.4	49.4	49.4	58.2	52.3	49.4	55.3
75°	29.1	32.0	32.0	23.2	26.2	32.0	23.2	26.2	34.9	29.1	34.9
77.5°	17.5	17.5	17.5	17.5	17.5	17.5	23.2	20.3	20.3	20.3	23.2
80°	14.5	11.6	11.6	8.7	11.6	11.6	11.6	17.5	14.5	14.5	17.5
82.5°	5.9	5.9	2.9	0.0	5.9	5.9	5.9	5.9	5.9	5.9	11.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.9	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: P248627

CATALOG NUMBER: LSR8B100D010 EC8B100950 8LBSW0H

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	5955.1	5955.1	5955.1	5955.1	5955.1	5955.1	5955.1	5955.1	5955.1	5955.1	5955.1
2.5°	5949.2	5949.2	5946.3	5940.6	5928.9	5928.9	5926.0	5917.3	5911.5	5908.5	5908.5
5°	5920.1	5908.5	5896.9	5865.0	5865.0	5859.1	5841.7	5830.0	5824.3	5809.7	5803.9
7.5°	5894.0	5859.1	5838.8	5818.4	5792.3	5780.6	5760.2	5751.5	5731.2	5716.7	5707.9
10°	5830.0	5806.8	5780.6	5748.6	5728.3	5705.1	5681.7	5664.4	5638.2	5623.6	5611.9
12.5°	5786.4	5751.5	5728.3	5693.3	5658.5	5638.2	5606.2	5585.9	5559.6	5530.6	5513.1
15°	5745.8	5707.9	5676.0	5638.2	5600.3	5577.1	5539.3	5516.1	5478.3	5449.2	5428.8
17.5°	5684.7	5652.6	5617.8	5571.3	5536.4	5507.3	5466.5	5437.6	5402.6	5364.8	5344.5
20°	5620.7	5582.9	5548.0	5501.5	5466.5	5431.7	5391.0	5359.1	5318.2	5283.4	5260.2
22.5°	5536.4	5492.7	5463.7	5417.1	5376.4	5338.7	5300.9	5263.1	5225.2	5196.2	5169.9
25°	5414.2	5367.7	5335.7	5297.9	5260.2	5231.1	5184.5	5161.3	5123.5	5097.3	5071.1
27.5°	5239.7	5204.9	5175.8	5138.0	5106.0	5082.8	5047.9	5024.6	4992.6	4969.4	4949.0
30°	4984.0	4954.9	4928.7	4890.8	4867.6	4847.3	4815.2	4794.9	4771.6	4745.4	4739.7
32.5°	4640.8	4617.5	4591.4	4565.2	4547.7	4536.1	4509.9	4498.3	4475.1	4460.5	4446.0
35°	4123.2	4102.8	4088.3	4076.7	4070.9	4073.7	4068.0	4079.6	4085.4	4082.5	4085.4
37.5°	3445.8	3434.0	3439.9	3448.6	3477.7	3515.5	3550.4	3602.7	3637.6	3672.6	3704.5
40°	2689.7	2698.4	2721.7	2774.0	2849.6	2934.0	3012.5	3111.4	3210.2	3280.0	3343.9
42.5°	2029.6	2055.8	2113.9	2189.5	2303.0	2427.9	2550.1	2695.4	2814.8	2931.0	3012.5
45°	1526.6	1561.4	1637.1	1741.8	1866.7	2012.2	2166.3	2329.1	2471.6	2590.8	2681.0
47.5°	1189.3	1221.3	1296.9	1407.4	1561.4	1712.7	1872.6	2041.2	2189.5	2305.9	2384.4
50°	939.2	979.9	1046.8	1163.1	1317.3	1477.2	1642.9	1808.6	1948.2	2047.1	2116.9
52.5°	738.6	776.4	840.3	962.5	1119.5	1279.4	1433.5	1596.4	1718.4	1814.4	1861.0
55°	572.8	607.8	674.5	776.4	924.7	1081.7	1235.8	1375.4	1488.8	1558.5	1602.2
57.5°	436.1	462.3	508.9	610.6	744.4	889.7	1020.7	1160.2	1247.5	1296.9	1325.9
60°	331.5	351.9	401.3	479.8	601.9	727.0	837.4	942.2	1011.9	1052.6	1081.7
62.5°	250.0	273.4	308.2	375.1	468.1	569.9	662.9	741.5	799.6	825.8	846.2
65°	171.5	189.0	215.2	267.5	346.0	418.7	491.4	549.6	587.4	616.5	628.1
67.5°	127.9	139.6	154.2	194.8	250.0	308.2	357.6	398.3	439.1	450.7	471.1
70°	96.0	104.7	119.2	148.3	180.2	220.9	261.8	285.0	314.1	334.4	340.3
72.5°	61.0	63.9	78.5	96.0	122.1	148.3	174.5	194.8	212.3	223.9	229.7
75°	34.9	52.3	52.3	69.8	87.3	98.9	116.3	130.8	139.6	148.3	148.3
77.5°	23.2	32.0	34.9	43.6	52.3	66.9	81.4	90.1	98.9	101.7	101.7
80°	20.3	23.2	23.2	32.0	37.8	49.4	58.2	61.0	66.9	69.8	75.6
82.5°	8.7	11.6	14.5	23.2	26.2	26.2	34.9	37.8	43.6	46.6	46.6
85°	2.9	5.9	5.9	8.7	14.5	17.5	20.3	23.2	26.2	26.2	29.1
87.5°	2.9	2.9	0.0	2.9	5.9	5.9	11.6	11.6	11.6	17.5	17.5
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: P248627

CATALOG NUMBER: LSR8B100D010 EC8B100950 8LBSWOH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	5955.1	5955.1	5955.1	5955.1	5955.1	5955.1	5955.1
2.5°	5902.8	5905.7	5894.0	5891.2	5885.3	5888.2	5894.0
5°	5795.2	5798.1	5786.4	5774.8	5774.8	5771.8	5774.8
7.5°	5693.3	5696.3	5678.9	5673.0	5661.4	5664.4	5664.4
10°	5591.6	5591.6	5565.5	5562.5	5553.8	5550.9	5550.9
12.5°	5492.7	5484.0	5463.7	5452.0	5457.9	5440.4	5440.4
15°	5405.5	5391.0	5364.8	5356.1	5341.6	5335.7	5335.7
17.5°	5315.4	5303.8	5280.5	5263.1	5245.6	5242.7	5245.6
20°	5228.1	5216.5	5187.4	5175.8	5161.3	5161.3	5155.5
22.5°	5140.9	5129.3	5103.2	5094.4	5074.1	5074.1	5077.0
25°	5050.7	5042.0	5012.9	5007.2	5004.3	4992.6	4998.4
27.5°	4928.7	4922.8	4899.6	4890.8	4879.2	4876.4	4882.1
30°	4704.7	4696.0	4678.6	4669.9	4649.6	4652.4	4658.2
32.5°	4425.6	4414.0	4390.7	4381.9	4364.6	4358.7	4361.6
35°	4076.7	4068.0	4047.7	4047.7	4030.2	4024.3	4030.2
37.5°	3722.0	3730.6	3722.0	3730.6	3722.0	3719.0	3722.0
40°	3387.6	3419.5	3425.3	3457.4	3445.8	3463.1	3460.2
42.5°	3067.7	3120.0	3140.4	3166.5	3160.8	3172.4	3181.1
45°	2744.9	2788.6	2808.9	2826.4	2829.3	2835.1	2838.0
47.5°	2439.6	2474.5	2477.4	2497.7	2494.9	2494.9	2503.6
50°	2154.7	2177.9	2183.7	2198.3	2186.7	2180.8	2183.7
52.5°	1890.1	1913.3	1907.4	1913.3	1898.8	1893.0	1895.8
55°	1619.6	1631.2	1631.2	1631.2	1613.8	1613.8	1613.8
57.5°	1343.4	1346.3	1340.5	1343.4	1340.5	1323.0	1320.1
60°	1090.5	1090.5	1087.5	1090.5	1081.7	1073.0	1073.0
62.5°	851.9	857.8	869.4	857.8	851.9	857.8	849.1
65°	636.8	648.5	645.5	651.3	648.5	648.5	642.6
67.5°	479.8	482.7	485.6	488.6	488.6	488.6	488.6
70°	351.9	360.6	357.6	357.6	357.6	357.6	375.1
72.5°	235.5	247.2	244.3	250.0	250.0	255.9	250.0
75°	159.9	171.5	165.8	174.5	171.5	165.8	180.2
77.5°	107.6	113.5	116.3	119.2	116.3	113.5	116.3
80°	75.6	81.4	78.5	81.4	81.4	81.4	84.4
82.5°	46.6	55.3	52.3	55.3	52.3	55.3	55.3
85°	32.0	34.9	29.1	34.9	32.0	32.0	37.8
87.5°	20.3	17.5	17.5	20.3	17.5	20.3	17.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)