

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: P248663

Luminaire Tested: **LSR8B100D010 EC8B100830 8LBSW0WMH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P248663  
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 EC8B100830 8LBSW0WMH  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT- CYLINDEC  
80 CRI 3000 CCT WITH WARM HAZE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10369.0 lumens  
Efficiency: N/A  
Efficacy: 97.5 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

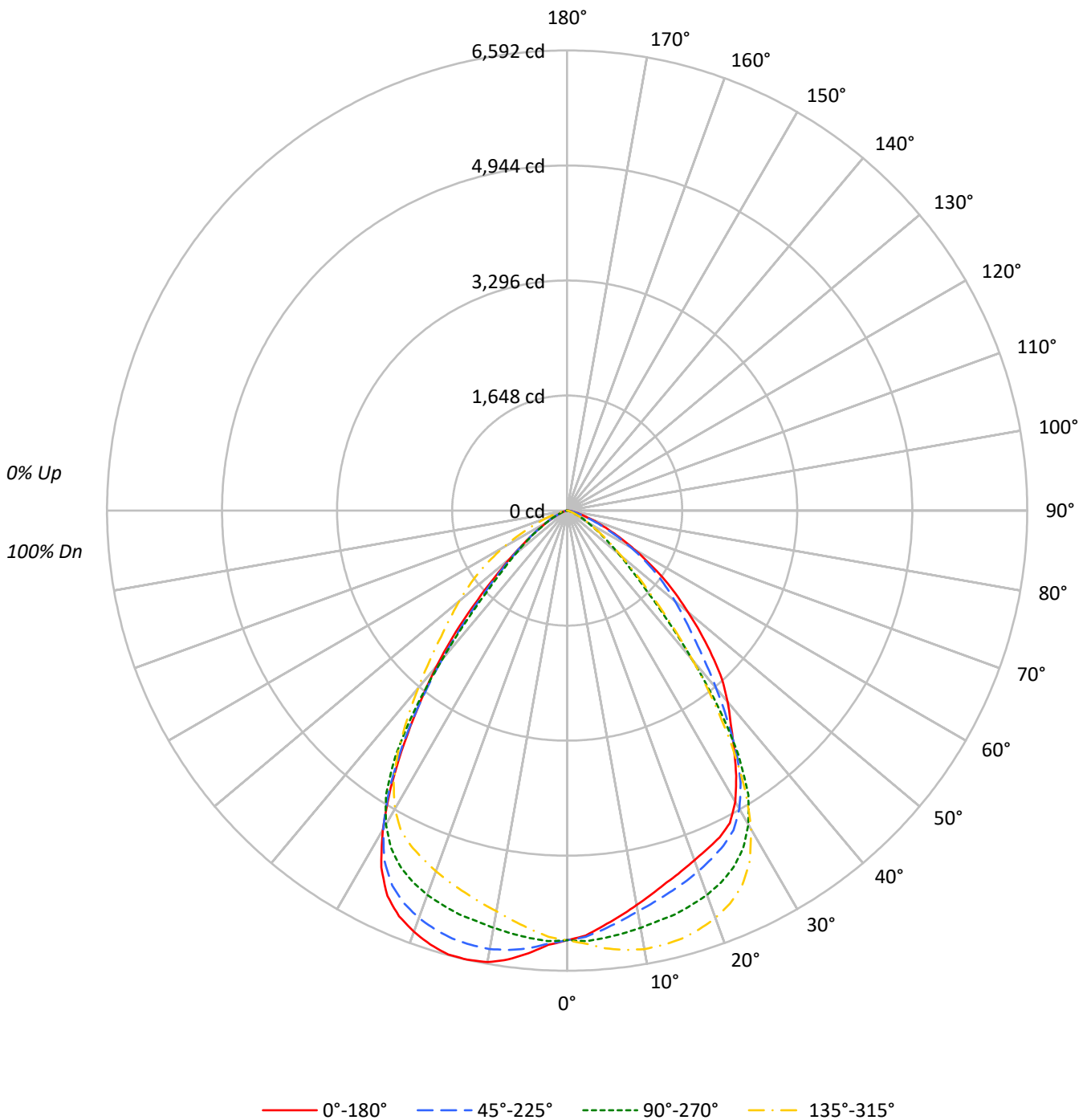
Input Watts (W): 106.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	189819	189819	189819	189819
5°	184777	190266	197060	190266
10°	179665	190017	205642	190017
15°	176077	191146	210144	191146
20°	174879	192239	210684	192239
25°	175799	191852	207299	191852
30°	171450	184831	188149	184831
35°	156826	161234	152978	161234
40°	143980	112160	117123	112160
45°	127932	68423	79168	68423
50°	108284	45708	50755	45708
55°	89685	31187	32961	31187
60°	68401	20759	20944	20759
65°	48463	12937	11842	12937
70°	34955	8664	7862	8664
75°	22196	4301	3586	4301
80°	15485	3214	2664	3214
85°	13834	0	1061	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	585.9	5.7
10°-20°	1696.7	16.4
20°-30°	2569.1	24.8
30°-40°	2574.9	24.8
40°-50°	1616.9	15.6
50°-60°	861.7	8.3
60°-70°	354.3	3.4
70°-80°	93.6	0.9
80°-90°	15.8	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°	4851.8	46.8
0°-40°	7426.7	71.6
0°-60°	9905.2	95.5
0°-90°	10369.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10369.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	6156	6156	6156	6156	6156	
5°	5969	6147	6366	6147	5969	563
15°	5516	5988	6583	5988	5516	1560
25°	5167	5639	6093	5639	5167	2370
35°	4166	4283	4064	4283	4166	2610
45°	2934	1569	1815	1569	2934	2256
55°	1668	580	613	580	1668	1487
65°	664	177	162	177	664	689
75°	186	36	30	36	186	211
85°	39	0	3	0	39	43
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°	6155.7	6155.7	6155.7	6155.7	6155.7	6155.7	6155.7	6155.7	6155.7	6155.7	6155.7
2.5°	6092.7	6086.6	6083.6	6089.7	6092.7	6104.7	6101.7	6107.6	6107.6	6110.7	6116.7
5°	5969.4	5966.3	5969.4	5969.4	5981.4	5993.4	5990.5	5999.5	6005.4	6020.5	6026.5
7.5°	5855.2	5855.2	5852.1	5864.1	5870.2	5888.3	5885.2	5900.3	5909.3	5924.3	5945.3
10°	5737.9	5737.9	5740.9	5749.9	5753.0	5780.0	5780.0	5801.0	5813.0	5828.1	5855.2
12.5°	5623.8	5623.8	5641.8	5635.8	5647.8	5668.8	5677.8	5698.9	5716.9	5747.0	5774.1
15°	5515.5	5515.5	5521.6	5536.5	5545.6	5572.7	5587.6	5611.8	5632.8	5662.9	5701.9
17.5°	5422.3	5419.4	5422.3	5440.4	5458.5	5482.5	5494.5	5524.5	5545.6	5584.7	5620.8
20°	5329.2	5335.2	5335.2	5350.2	5362.2	5392.3	5404.3	5437.4	5461.4	5497.4	5539.6
22.5°	5248.0	5245.1	5245.1	5266.1	5275.1	5302.1	5314.1	5344.2	5371.2	5401.3	5440.4
25°	5166.9	5160.8	5172.9	5175.9	5181.8	5211.9	5220.9	5242.0	5269.1	5296.1	5335.2
27.5°	5046.6	5040.7	5043.6	5055.6	5064.7	5088.7	5094.7	5115.8	5136.8	5160.8	5194.0
30°	4815.1	4809.2	4806.2	4827.3	4836.3	4854.2	4863.3	4899.4	4905.3	4932.4	4956.4
32.5°	4508.6	4505.6	4511.6	4529.6	4538.6	4562.7	4574.7	4595.8	4610.7	4625.8	4649.8
35°	4166.0	4159.9	4166.0	4184.0	4184.0	4205.1	4214.1	4223.0	4220.0	4223.0	4217.1
37.5°	3847.4	3844.3	3847.4	3856.3	3847.4	3856.3	3847.4	3829.3	3796.3	3760.2	3724.1
40°	3576.8	3579.8	3561.9	3573.9	3540.7	3534.8	3501.7	3456.6	3390.5	3318.4	3216.2
42.5°	3288.3	3279.3	3267.3	3273.2	3246.3	3225.1	3171.0	3114.0	3029.7	2909.6	2786.3
45°	2933.6	2930.6	2924.6	2921.6	2903.6	2882.5	2837.4	2771.3	2678.1	2554.9	2407.6
47.5°	2587.9	2578.9	2578.9	2581.9	2560.9	2557.9	2521.8	2464.7	2383.6	2263.3	2110.0
50°	2257.2	2254.3	2260.3	2272.3	2257.2	2251.3	2227.3	2188.2	2116.1	2013.9	1869.5
52.5°	1959.7	1956.7	1962.8	1977.8	1971.7	1977.8	1953.8	1923.7	1875.6	1776.4	1650.2
55°	1668.2	1668.2	1668.2	1686.2	1686.2	1686.2	1674.2	1656.2	1611.1	1538.9	1421.8
57.5°	1364.6	1367.6	1385.6	1388.6	1385.6	1391.7	1388.6	1370.6	1340.6	1289.5	1199.3
60°	1109.1	1109.1	1118.2	1127.2	1124.1	1127.2	1127.2	1118.2	1088.1	1046.0	973.9
62.5°	877.7	886.7	880.6	886.7	898.7	886.7	880.6	874.7	853.7	826.6	766.4
65°	664.2	670.3	670.3	673.3	667.2	670.3	658.3	649.3	637.3	607.2	568.1
67.5°	505.0	505.0	505.0	505.0	501.9	499.0	496.0	487.0	465.9	453.9	411.7
70°	387.7	369.7	369.7	369.7	369.7	372.8	363.7	351.7	345.7	324.6	294.6
72.5°	258.4	264.5	258.4	258.4	252.5	255.5	243.5	237.4	231.5	219.5	201.4
75°	186.3	171.4	177.3	180.4	171.4	177.3	165.3	153.3	153.3	144.3	135.2
77.5°	120.3	117.3	120.3	123.2	120.3	117.3	111.2	105.2	105.2	102.2	93.2
80°	87.2	84.1	84.1	84.1	81.2	84.1	78.2	78.2	72.1	69.2	63.1
82.5°	57.2	57.2	54.1	57.2	54.1	57.2	48.1	48.1	48.1	45.0	39.1
85°	39.1	33.0	33.0	36.1	30.1	36.1	33.0	30.1	27.1	27.1	24.0
87.5°	18.1	21.0	18.1	21.0	18.1	18.1	21.0	18.1	18.1	12.0	12.0
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):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	6155.7	6155.7	6155.7	6155.7	6155.7	6155.7	6155.7	6155.7	6155.7	6155.7	6155.7
2.5°	6125.7	6128.7	6128.7	6140.8	6146.7	6149.7	6149.7	6173.8	6164.8	6170.8	6176.8
5°	6038.6	6056.5	6062.6	6062.6	6095.6	6107.6	6119.6	6146.7	6149.7	6167.7	6188.8
7.5°	5954.3	5975.4	5987.5	6014.5	6035.5	6056.5	6092.7	6110.7	6128.7	6152.8	6179.7
10°	5873.2	5897.3	5921.3	5942.3	5975.4	6002.5	6026.5	6068.5	6089.7	6122.7	6158.7
12.5°	5795.1	5828.1	5849.2	5885.2	5921.3	5945.3	5981.4	6020.5	6053.6	6086.6	6128.7
15°	5725.9	5765.0	5789.0	5828.1	5867.2	5900.3	5939.4	5987.5	6011.5	6050.6	6089.7
17.5°	5650.7	5692.9	5723.0	5759.0	5807.1	5843.1	5876.3	5924.3	5954.3	5996.4	6041.6
20°	5572.7	5614.7	5650.7	5686.9	5735.0	5771.0	5810.1	5858.2	5891.2	5933.3	5969.4
22.5°	5479.5	5518.6	5557.6	5599.6	5647.8	5677.8	5723.0	5765.0	5801.0	5840.1	5876.3
25°	5359.2	5407.4	5437.4	5476.4	5515.5	5548.5	5596.7	5638.7	5668.8	5704.9	5737.9
27.5°	5218.0	5254.1	5278.1	5311.1	5350.2	5380.3	5416.3	5458.5	5488.5	5521.6	5545.6
30°	4977.5	5010.6	5031.6	5055.6	5094.7	5121.8	5151.9	5190.9	5211.9	5236.0	5257.1
32.5°	4661.8	4688.9	4700.9	4719.0	4746.1	4773.1	4797.2	4830.2	4839.3	4854.2	4854.2
35°	4205.1	4211.0	4208.0	4214.1	4226.1	4241.1	4262.1	4283.1	4295.1	4295.1	4286.2
37.5°	3670.0	3634.0	3594.9	3564.8	3555.8	3549.7	3561.9	3570.8	3582.9	3588.8	3573.9
40°	3114.0	3032.8	2945.6	2867.4	2813.4	2789.4	2780.3	2786.3	2786.3	2807.3	2807.3
42.5°	2636.1	2509.8	2380.6	2263.3	2185.1	2125.1	2098.0	2098.0	2101.0	2116.1	2125.1
45°	2239.3	2080.0	1929.6	1800.5	1692.2	1614.0	1578.0	1569.0	1566.0	1572.0	1593.0
47.5°	1935.7	1770.4	1614.0	1454.8	1340.6	1262.4	1229.4	1217.3	1205.3	1217.3	1220.4
50°	1698.3	1526.9	1361.6	1202.3	1082.0	1012.9	970.8	952.8	949.8	949.8	955.9
52.5°	1481.8	1322.6	1157.3	994.9	868.6	802.6	763.5	754.4	742.4	754.4	754.4
55°	1277.4	1118.2	955.9	802.6	697.3	628.2	592.1	580.1	574.1	583.1	583.1
57.5°	1055.1	919.7	769.5	631.2	526.1	477.9	450.8	435.9	432.8	438.8	432.8
60°	865.7	751.5	622.2	496.0	414.8	363.7	342.7	336.6	330.6	336.6	336.6
62.5°	685.3	589.1	483.9	387.7	318.6	282.6	258.4	258.4	255.5	255.5	258.4
65°	508.0	432.8	357.7	276.5	222.4	195.4	177.3	177.3	174.3	177.3	174.3
67.5°	369.7	318.6	258.4	201.4	159.3	144.3	132.3	123.2	129.3	123.2	120.3
70°	270.6	228.4	186.3	153.3	123.2	108.3	99.2	96.1	90.2	90.2	90.2
72.5°	180.4	153.3	126.2	99.2	81.2	66.1	63.1	57.2	51.1	54.1	60.1
75°	120.3	102.2	90.2	72.1	54.1	54.1	36.1	36.1	30.1	36.1	27.1
77.5°	84.1	69.2	54.1	45.0	36.1	33.0	24.0	24.0	21.0	21.0	21.0
80°	60.1	51.1	39.1	33.0	24.0	24.0	21.0	18.1	15.0	15.0	18.1
82.5°	36.1	27.1	27.1	24.0	15.0	12.0	9.0	12.0	6.1	6.1	6.1
85°	21.0	18.1	15.0	9.0	6.1	6.1	3.0	0.0	3.0	3.0	0.0
87.5°	12.0	6.1	6.1	3.0	0.0	3.0	3.0	0.0	0.0	0.0	6.1
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°	6155.7	6155.7	6155.7	6155.7	6155.7	6155.7	6155.7	6155.7	6155.7	6155.7	6155.7
2.5°	6191.9	6188.8	6194.8	6194.8	6212.9	6209.8	6218.8	6218.8	6212.9	6215.9	6227.9
5°	6212.9	6221.9	6239.9	6255.0	6281.9	6294.1	6309.0	6324.1	6327.1	6336.1	6345.2
7.5°	6212.9	6243.0	6264.0	6291.0	6327.1	6348.1	6381.2	6408.3	6420.3	6435.2	6453.3
10°	6200.8	6230.8	6269.9	6300.0	6345.2	6378.2	6411.2	6453.3	6471.4	6495.4	6519.5
12.5°	6176.8	6209.8	6251.9	6291.0	6342.1	6372.1	6414.2	6453.3	6480.4	6513.4	6540.5
15°	6140.8	6179.7	6218.8	6257.9	6312.0	6348.1	6387.2	6432.3	6459.4	6495.4	6519.5
17.5°	6083.6	6125.7	6161.8	6197.8	6248.9	6291.0	6327.1	6369.2	6396.3	6426.3	6459.4
20°	6014.5	6053.6	6092.7	6122.7	6173.8	6209.8	6248.9	6288.0	6309.0	6315.1	6366.2
22.5°	5927.4	5954.3	5984.4	6032.5	6062.6	6095.6	6131.7	6167.7	6188.8	6221.9	6239.9
25°	5783.0	5810.1	5843.1	5864.1	5900.3	5927.4	5963.4	6002.5	6014.5	6038.6	6056.5
27.5°	5581.7	5596.7	5611.8	5629.7	5650.7	5665.8	5686.9	5704.9	5716.9	5728.9	5740.9
30°	5263.0	5263.0	5263.0	5251.0	5260.0	5269.1	5272.0	5269.1	5269.1	5266.1	5266.1
32.5°	4842.2	4818.2	4791.1	4767.1	4758.1	4746.1	4740.0	4731.0	4716.0	4707.0	4710.0
35°	4274.1	4220.0	4187.0	4156.9	4132.9	4114.9	4105.9	4096.8	4093.9	4081.9	4069.7
37.5°	3564.8	3525.7	3501.7	3483.7	3462.6	3444.6	3447.5	3450.6	3459.5	3453.6	3456.6
40°	2813.4	2804.3	2813.4	2792.3	2786.3	2792.3	2807.3	2828.5	2840.5	2852.5	2873.5
42.5°	2140.1	2155.1	2176.2	2176.2	2185.1	2197.2	2215.2	2248.3	2266.3	2287.3	2311.4
45°	1611.1	1629.1	1656.2	1665.1	1671.2	1686.2	1707.3	1734.3	1746.3	1764.4	1785.4
47.5°	1241.4	1253.4	1268.4	1283.5	1298.4	1304.5	1325.5	1325.5	1340.6	1352.6	1358.6
50°	967.9	979.9	991.9	1000.9	1006.9	1016.0	1021.9	1030.9	1033.9	1040.0	1042.9
52.5°	757.4	772.5	772.5	778.4	787.5	796.5	793.5	796.5	799.5	799.5	808.5
55°	592.1	592.1	601.1	601.1	607.2	604.1	607.2	607.2	607.2	607.2	610.2
57.5°	441.8	444.9	453.9	447.9	444.9	450.8	444.9	450.8	447.9	453.9	444.9
60°	339.6	339.6	342.7	342.7	345.7	345.7	345.7	342.7	342.7	339.6	339.6
62.5°	255.5	258.4	261.5	258.4	258.4	258.4	255.5	255.5	252.5	249.4	249.4
65°	171.4	168.4	174.3	168.4	171.4	171.4	168.4	171.4	162.3	165.3	162.3
67.5°	123.2	120.3	117.3	120.3	117.3	114.2	114.2	117.3	120.3	111.2	111.2
70°	81.2	84.1	81.2	84.1	87.2	87.2	84.1	81.2	84.1	78.2	81.2
72.5°	51.1	51.1	51.1	51.1	51.1	54.1	54.1	54.1	48.1	48.1	45.0
75°	24.0	33.0	27.1	24.0	33.0	33.0	30.1	30.1	27.1	27.1	27.1
77.5°	24.0	18.1	18.1	18.1	18.1	18.1	18.1	18.1	15.0	18.1	15.0
80°	12.0	12.0	12.0	9.0	12.0	12.0	15.0	12.0	12.0	9.0	15.0
82.5°	6.1	6.1	6.1	0.0	3.0	6.1	6.1	3.0	6.1	6.1	3.0
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: P248663

CATALOG NUMBER: LSR8B100D010 EC8B100830 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	6155.7	6155.7	6155.7	6155.7	6155.7	6155.7	6155.7	6155.7	6155.7	6155.7	6155.7
2.5°	6224.9	6221.9	6224.9	6227.9	6224.9	6221.9	6224.9	6227.9	6215.9	6212.9	6218.8
5°	6357.2	6357.2	6363.1	6366.2	6363.1	6357.2	6357.2	6345.2	6336.1	6327.1	6324.1
7.5°	6471.4	6477.4	6483.4	6486.3	6483.4	6477.4	6471.4	6453.3	6435.2	6420.3	6408.3
10°	6540.5	6549.5	6561.5	6567.5	6561.5	6549.5	6540.5	6519.5	6495.4	6471.4	6453.3
12.5°	6570.6	6579.6	6594.6	6591.6	6594.6	6579.6	6570.6	6540.5	6513.4	6480.4	6453.3
15°	6549.5	6561.5	6576.5	6582.6	6576.5	6561.5	6549.5	6519.5	6495.4	6459.4	6432.3
17.5°	6483.4	6501.4	6510.4	6519.5	6510.4	6501.4	6483.4	6459.4	6426.3	6396.3	6369.2
20°	6393.2	6405.3	6417.3	6420.3	6417.3	6405.3	6393.2	6366.2	6315.1	6309.0	6288.0
22.5°	6264.0	6273.0	6300.0	6291.0	6300.0	6273.0	6264.0	6239.9	6221.9	6188.8	6167.7
25°	6077.6	6086.6	6089.7	6092.7	6089.7	6086.6	6077.6	6056.5	6038.6	6014.5	6002.5
27.5°	5756.0	5756.0	5762.0	5765.0	5762.0	5756.0	5756.0	5740.9	5728.9	5716.9	5704.9
30°	5269.1	5269.1	5269.1	5284.1	5269.1	5269.1	5269.1	5266.1	5266.1	5269.1	5269.1
32.5°	4707.0	4700.9	4695.0	4700.9	4695.0	4700.9	4707.0	4710.0	4707.0	4716.0	4731.0
35°	4069.7	4066.8	4075.8	4063.8	4075.8	4066.8	4069.7	4069.7	4081.9	4093.9	4096.8
37.5°	3459.5	3453.6	3465.6	3453.6	3465.6	3453.6	3459.5	3456.6	3453.6	3459.5	3450.6
40°	2879.6	2885.5	2885.5	2909.6	2885.5	2885.5	2879.6	2873.5	2852.5	2840.5	2828.5
42.5°	2323.4	2341.5	2335.4	2353.5	2335.4	2341.5	2323.4	2311.4	2287.3	2266.3	2248.3
45°	1797.4	1809.5	1809.5	1815.4	1809.5	1809.5	1797.4	1785.4	1764.4	1746.3	1734.3
47.5°	1379.6	1379.6	1379.6	1382.7	1379.6	1379.6	1379.6	1358.6	1352.6	1340.6	1325.5
50°	1049.0	1052.0	1055.1	1058.0	1055.1	1052.0	1049.0	1042.9	1040.0	1033.9	1030.9
52.5°	805.5	808.5	802.6	808.5	802.6	808.5	805.5	808.5	799.5	799.5	796.5
55°	610.2	607.2	610.2	613.1	610.2	607.2	610.2	610.2	607.2	607.2	607.2
57.5°	447.9	441.8	441.8	441.8	441.8	441.8	447.9	444.9	453.9	447.9	450.8
60°	333.7	336.6	336.6	339.6	336.6	336.6	333.7	339.6	339.6	342.7	342.7
62.5°	246.4	255.5	249.4	255.5	249.4	255.5	246.4	249.4	249.4	252.5	255.5
65°	159.3	159.3	159.3	162.3	159.3	159.3	159.3	162.3	165.3	162.3	171.4
67.5°	108.3	111.2	117.3	114.2	117.3	111.2	108.3	111.2	111.2	120.3	117.3
70°	87.2	78.2	78.2	87.2	78.2	78.2	87.2	81.2	78.2	84.1	81.2
72.5°	51.1	45.0	51.1	51.1	51.1	45.0	51.1	45.0	48.1	48.1	54.1
75°	27.1	24.0	21.0	30.1	21.0	24.0	27.1	27.1	27.1	27.1	30.1
77.5°	18.1	15.0	21.0	21.0	21.0	15.0	18.1	15.0	18.1	15.0	18.1
80°	9.0	12.0	9.0	15.0	9.0	12.0	9.0	15.0	9.0	12.0	12.0
82.5°	3.0	6.1	6.1	6.1	6.1	6.1	3.0	3.0	6.1	6.1	3.0
85°	0.0	6.1	3.0	3.0	3.0	6.1	0.0	0.0	0.0	0.0	0.0
87.5°	3.0	0.0	0.0	3.0	0.0	0.0	3.0	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: P248663

CATALOG NUMBER: LSR8B100D010 EC8B100830 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	6155.7	6155.7	6155.7	6155.7	6155.7	6155.7	6155.7	6155.7	6155.7	6155.7	6155.7
2.5°	6218.8	6209.8	6212.9	6194.8	6194.8	6188.8	6191.9	6176.8	6170.8	6164.8	6173.8
5°	6309.0	6294.1	6281.9	6255.0	6239.9	6221.9	6212.9	6188.8	6167.7	6149.7	6146.7
7.5°	6381.2	6348.1	6327.1	6291.0	6264.0	6243.0	6212.9	6179.7	6152.8	6128.7	6110.7
10°	6411.2	6378.2	6345.2	6300.0	6269.9	6230.8	6200.8	6158.7	6122.7	6089.7	6068.5
12.5°	6414.2	6372.1	6342.1	6291.0	6251.9	6209.8	6176.8	6128.7	6086.6	6053.6	6020.5
15°	6387.2	6348.1	6312.0	6257.9	6218.8	6179.7	6140.8	6089.7	6050.6	6011.5	5987.5
17.5°	6327.1	6291.0	6248.9	6197.8	6161.8	6125.7	6083.6	6041.6	5996.4	5954.3	5924.3
20°	6248.9	6209.8	6173.8	6122.7	6092.7	6053.6	6014.5	5969.4	5933.3	5891.2	5858.2
22.5°	6131.7	6095.6	6062.6	6032.5	5984.4	5954.3	5927.4	5876.3	5840.1	5801.0	5765.0
25°	5963.4	5927.4	5900.3	5864.1	5843.1	5810.1	5783.0	5737.9	5704.9	5668.8	5638.7
27.5°	5686.9	5665.8	5650.7	5629.7	5611.8	5596.7	5581.7	5545.6	5521.6	5488.5	5458.5
30°	5272.0	5269.1	5260.0	5251.0	5263.0	5263.0	5263.0	5257.1	5236.0	5211.9	5190.9
32.5°	4740.0	4746.1	4758.1	4767.1	4791.1	4818.2	4842.2	4854.2	4854.2	4839.3	4830.2
35°	4105.9	4114.9	4132.9	4156.9	4187.0	4220.0	4274.1	4286.2	4295.1	4295.1	4283.1
37.5°	3447.5	3444.6	3462.6	3483.7	3501.7	3525.7	3564.8	3573.9	3588.8	3582.9	3570.8
40°	2807.3	2792.3	2786.3	2792.3	2813.4	2804.3	2813.4	2807.3	2807.3	2786.3	2786.3
42.5°	2215.2	2197.2	2185.1	2176.2	2176.2	2155.1	2140.1	2125.1	2116.1	2101.0	2098.0
45°	1707.3	1686.2	1671.2	1665.1	1656.2	1629.1	1611.1	1593.0	1572.0	1566.0	1569.0
47.5°	1325.5	1304.5	1298.4	1283.5	1268.4	1253.4	1241.4	1220.4	1217.3	1205.3	1217.3
50°	1021.9	1016.0	1006.9	1000.9	991.9	979.9	967.9	955.9	949.8	949.8	952.8
52.5°	793.5	796.5	787.5	778.4	772.5	772.5	757.4	754.4	754.4	742.4	754.4
55°	607.2	604.1	607.2	601.1	601.1	592.1	592.1	583.1	583.1	574.1	580.1
57.5°	444.9	450.8	444.9	447.9	453.9	444.9	441.8	432.8	438.8	432.8	435.9
60°	345.7	345.7	345.7	342.7	342.7	339.6	339.6	336.6	336.6	330.6	336.6
62.5°	255.5	258.4	258.4	258.4	261.5	258.4	255.5	258.4	255.5	255.5	258.4
65°	168.4	171.4	171.4	168.4	174.3	168.4	171.4	174.3	177.3	174.3	177.3
67.5°	114.2	114.2	117.3	120.3	117.3	120.3	123.2	120.3	123.2	129.3	123.2
70°	84.1	87.2	87.2	84.1	81.2	84.1	81.2	90.2	90.2	90.2	96.1
72.5°	54.1	54.1	51.1	51.1	51.1	51.1	51.1	60.1	54.1	51.1	57.2
75°	30.1	33.0	33.0	24.0	27.1	33.0	24.0	27.1	36.1	30.1	36.1
77.5°	18.1	18.1	18.1	18.1	18.1	18.1	24.0	21.0	21.0	21.0	24.0
80°	15.0	12.0	12.0	9.0	12.0	12.0	12.0	18.1	15.0	15.0	18.1
82.5°	6.1	6.1	3.0	0.0	6.1	6.1	6.1	6.1	6.1	6.1	12.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	3.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1	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: P248663

CATALOG NUMBER: LSR8B100D010 EC8B100830 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	6155.7	6155.7	6155.7	6155.7	6155.7	6155.7	6155.7	6155.7	6155.7	6155.7	6155.7
2.5°	6149.7	6149.7	6146.7	6140.8	6128.7	6128.7	6125.7	6116.7	6110.7	6107.6	6107.6
5°	6119.6	6107.6	6095.6	6062.6	6062.6	6056.5	6038.6	6026.5	6020.5	6005.4	5999.5
7.5°	6092.7	6056.5	6035.5	6014.5	5987.5	5975.4	5954.3	5945.3	5924.3	5909.3	5900.3
10°	6026.5	6002.5	5975.4	5942.3	5921.3	5897.3	5873.2	5855.2	5828.1	5813.0	5801.0
12.5°	5981.4	5945.3	5921.3	5885.2	5849.2	5828.1	5795.1	5774.1	5747.0	5716.9	5698.9
15°	5939.4	5900.3	5867.2	5828.1	5789.0	5765.0	5725.9	5701.9	5662.9	5632.8	5611.8
17.5°	5876.3	5843.1	5807.1	5759.0	5723.0	5692.9	5650.7	5620.8	5584.7	5545.6	5524.5
20°	5810.1	5771.0	5735.0	5686.9	5650.7	5614.7	5572.7	5539.6	5497.4	5461.4	5437.4
22.5°	5723.0	5677.8	5647.8	5599.6	5557.6	5518.6	5479.5	5440.4	5401.3	5371.2	5344.2
25°	5596.7	5548.5	5515.5	5476.4	5437.4	5407.4	5359.2	5335.2	5296.1	5269.1	5242.0
27.5°	5416.3	5380.3	5350.2	5311.1	5278.1	5254.1	5218.0	5194.0	5160.8	5136.8	5115.8
30°	5151.9	5121.8	5094.7	5055.6	5031.6	5010.6	4977.5	4956.4	4932.4	4905.3	4899.4
32.5°	4797.2	4773.1	4746.1	4719.0	4700.9	4688.9	4661.8	4649.8	4625.8	4610.7	4595.8
35°	4262.1	4241.1	4226.1	4214.1	4208.0	4211.0	4205.1	4217.1	4223.0	4220.0	4223.0
37.5°	3561.9	3549.7	3555.8	3564.8	3594.9	3634.0	3670.0	3724.1	3760.2	3796.3	3829.3
40°	2780.3	2789.4	2813.4	2867.4	2945.6	3032.8	3114.0	3216.2	3318.4	3390.5	3456.6
42.5°	2098.0	2125.1	2185.1	2263.3	2380.6	2509.8	2636.1	2786.3	2909.6	3029.7	3114.0
45°	1578.0	1614.0	1692.2	1800.5	1929.6	2080.0	2239.3	2407.6	2554.9	2678.1	2771.3
47.5°	1229.4	1262.4	1340.6	1454.8	1614.0	1770.4	1935.7	2110.0	2263.3	2383.6	2464.7
50°	970.8	1012.9	1082.0	1202.3	1361.6	1526.9	1698.3	1869.5	2013.9	2116.1	2188.2
52.5°	763.5	802.6	868.6	994.9	1157.3	1322.6	1481.8	1650.2	1776.4	1875.6	1923.7
55°	592.1	628.2	697.3	802.6	955.9	1118.2	1277.4	1421.8	1538.9	1611.1	1656.2
57.5°	450.8	477.9	526.1	631.2	769.5	919.7	1055.1	1199.3	1289.5	1340.6	1370.6
60°	342.7	363.7	414.8	496.0	622.2	751.5	865.7	973.9	1046.0	1088.1	1118.2
62.5°	258.4	282.6	318.6	387.7	483.9	589.1	685.3	766.4	826.6	853.7	874.7
65°	177.3	195.4	222.4	276.5	357.7	432.8	508.0	568.1	607.2	637.3	649.3
67.5°	132.3	144.3	159.3	201.4	258.4	318.6	369.7	411.7	453.9	465.9	487.0
70°	99.2	108.3	123.2	153.3	186.3	228.4	270.6	294.6	324.6	345.7	351.7
72.5°	63.1	66.1	81.2	99.2	126.2	153.3	180.4	201.4	219.5	231.5	237.4
75°	36.1	54.1	54.1	72.1	90.2	102.2	120.3	135.2	144.3	153.3	153.3
77.5°	24.0	33.0	36.1	45.0	54.1	69.2	84.1	93.2	102.2	105.2	105.2
80°	21.0	24.0	24.0	33.0	39.1	51.1	60.1	63.1	69.2	72.1	78.2
82.5°	9.0	12.0	15.0	24.0	27.1	27.1	36.1	39.1	45.0	48.1	48.1
85°	3.0	6.1	6.1	9.0	15.0	18.1	21.0	24.0	27.1	27.1	30.1
87.5°	3.0	3.0	0.0	3.0	6.1	6.1	12.0	12.0	12.0	18.1	18.1
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: P248663

CATALOG NUMBER: LSR8B100D010 EC8B100830 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	6155.7	6155.7	6155.7	6155.7	6155.7	6155.7	6155.7
2.5°	6101.7	6104.7	6092.7	6089.7	6083.6	6086.6	6092.7
5°	5990.5	5993.4	5981.4	5969.4	5969.4	5966.3	5969.4
7.5°	5885.2	5888.3	5870.2	5864.1	5852.1	5855.2	5855.2
10°	5780.0	5780.0	5753.0	5749.9	5740.9	5737.9	5737.9
12.5°	5677.8	5668.8	5647.8	5635.8	5641.8	5623.8	5623.8
15°	5587.6	5572.7	5545.6	5536.5	5521.6	5515.5	5515.5
17.5°	5494.5	5482.5	5458.5	5440.4	5422.3	5419.4	5422.3
20°	5404.3	5392.3	5362.2	5350.2	5335.2	5335.2	5329.2
22.5°	5314.1	5302.1	5275.1	5266.1	5245.1	5245.1	5248.0
25°	5220.9	5211.9	5181.8	5175.9	5172.9	5160.8	5166.9
27.5°	5094.7	5088.7	5064.7	5055.6	5043.6	5040.7	5046.6
30°	4863.3	4854.2	4836.3	4827.3	4806.2	4809.2	4815.1
32.5°	4574.7	4562.7	4538.6	4529.6	4511.6	4505.6	4508.6
35°	4214.1	4205.1	4184.0	4184.0	4166.0	4159.9	4166.0
37.5°	3847.4	3856.3	3847.4	3856.3	3847.4	3844.3	3847.4
40°	3501.7	3534.8	3540.7	3573.9	3561.9	3579.8	3576.8
42.5°	3171.0	3225.1	3246.3	3273.2	3267.3	3279.3	3288.3
45°	2837.4	2882.5	2903.6	2921.6	2924.6	2930.6	2933.6
47.5°	2521.8	2557.9	2560.9	2581.9	2578.9	2578.9	2587.9
50°	2227.3	2251.3	2257.2	2272.3	2260.3	2254.3	2257.2
52.5°	1953.8	1977.8	1971.7	1977.8	1962.8	1956.7	1959.7
55°	1674.2	1686.2	1686.2	1686.2	1668.2	1668.2	1668.2
57.5°	1388.6	1391.7	1385.6	1388.6	1385.6	1367.6	1364.6
60°	1127.2	1127.2	1124.1	1127.2	1118.2	1109.1	1109.1
62.5°	880.6	886.7	898.7	886.7	880.6	886.7	877.7
65°	658.3	670.3	667.2	673.3	670.3	670.3	664.2
67.5°	496.0	499.0	501.9	505.0	505.0	505.0	505.0
70°	363.7	372.8	369.7	369.7	369.7	369.7	387.7
72.5°	243.5	255.5	252.5	258.4	258.4	264.5	258.4
75°	165.3	177.3	171.4	180.4	177.3	171.4	186.3
77.5°	111.2	117.3	120.3	123.2	120.3	117.3	120.3
80°	78.2	84.1	81.2	84.1	84.1	84.1	87.2
82.5°	48.1	57.2	54.1	57.2	54.1	57.2	57.2
85°	33.0	36.1	30.1	36.1	33.0	33.0	39.1
87.5°	21.0	18.1	18.1	21.0	18.1	21.0	18.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)