

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: P248564

Luminaire Tested: **LSR8B100D010 EC8B100835 8LBSW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248564
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 EC8B100835 8LBSW0H
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT- CYLINDEC
80 CRI 3500 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10878.0 lumens
Efficiency: N/A
Efficacy: 102.3 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

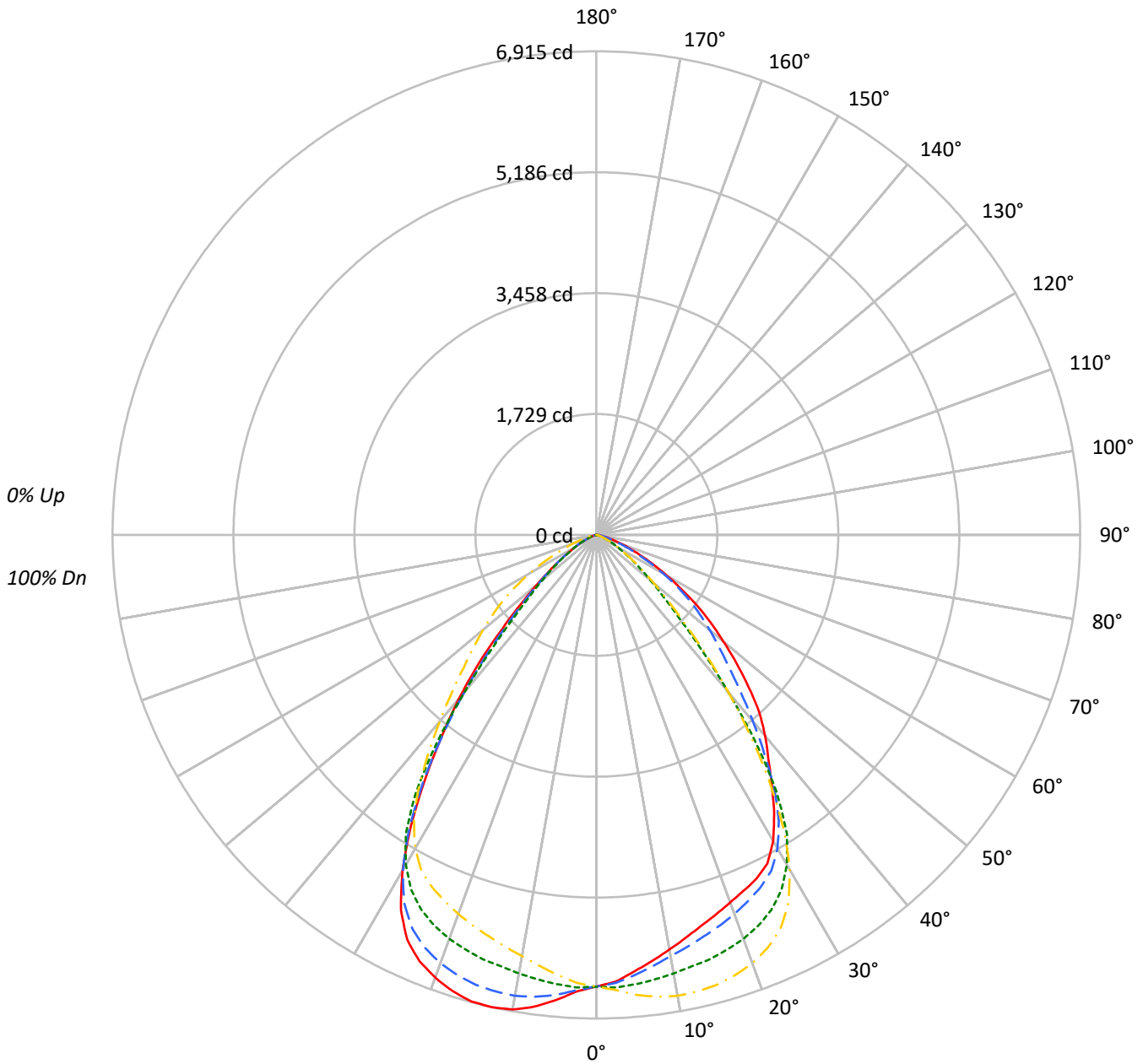
Input Watts (W): 106.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot



— 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°	199138	199138	199138	199138
5°	193850	199604	206733	199604
10°	188486	199345	215737	199345
15°	184722	200528	220458	200528
20°	183464	201676	221024	201676
25°	184428	201270	217472	201270
30°	179867	193903	197386	193903
35°	164524	169150	160488	169150
40°	151049	117662	122871	117662
45°	134211	71781	83058	71781
50°	113604	47949	53250	47949
55°	94088	32719	34579	32719
60°	71762	21783	21974	21783
65°	50849	13571	12426	13571
70°	36677	9088	8250	9088
75°	23292	4515	3753	4515
80°	16249	3356	2788	3356
85°	14506	0	1097	0



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CATALOG NUMBER: LSR8B100D010 EC8B100835 8LBSW0H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	614.7	5.7
10°-20°	1780.0	16.4
20°-30°	2695.3	24.8
30°-40°	2701.3	24.8
40°-50°	1696.3	15.6
50°-60°	904.0	8.3
60°-70°	371.7	3.4
70°-80°	98.2	0.9
80°-90°	16.6	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°	5089.9	46.8
0°-40°	7791.2	71.6
0°-60°	10391.5	95.5
0°-90°	10878.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10878.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	6458	6458	6458	6458	6458	
5°	6262	6448	6679	6448	6262	591
15°	5786	6281	6906	6281	5786	1637
25°	5420	5916	6392	5916	5420	2486
35°	4370	4493	4263	4493	4370	2738
45°	3078	1646	1905	1646	3078	2367
55°	1750	609	643	609	1750	1560
65°	697	186	170	186	697	723
75°	196	38	32	38	196	221
85°	41	0	3	0	41	45
90°	0	0	0	0	0	



TEST NUMBER: P248564

CATALOG NUMBER: LSR8B100D010 EC8B100835 8LBSWOH

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	6457.9	6457.9	6457.9	6457.9	6457.9	6457.9	6457.9	6457.9	6457.9	6457.9	6457.9
2.5°	6391.7	6385.4	6382.3	6388.6	6391.7	6404.3	6401.2	6407.4	6407.4	6410.7	6416.9
5°	6262.5	6259.2	6262.5	6262.5	6275.0	6287.6	6284.5	6294.0	6300.2	6316.1	6322.3
7.5°	6142.7	6142.7	6139.4	6152.0	6158.4	6177.3	6174.1	6189.9	6199.4	6215.1	6237.1
10°	6019.6	6019.6	6022.7	6032.2	6035.5	6063.7	6063.7	6085.8	6098.4	6114.2	6142.7
12.5°	5899.8	5899.8	5918.8	5912.4	5925.0	5947.1	5956.5	5978.6	5997.6	6029.1	6057.5
15°	5786.3	5786.3	5792.6	5808.3	5817.8	5846.2	5861.9	5887.2	5909.3	5940.8	5981.8
17.5°	5688.5	5685.4	5688.5	5707.5	5726.4	5751.6	5764.2	5795.7	5817.8	5858.8	5896.7
20°	5590.8	5597.1	5597.1	5612.8	5625.4	5657.0	5669.6	5704.4	5729.5	5767.3	5811.6
22.5°	5505.6	5502.5	5502.5	5524.6	5534.1	5562.4	5575.0	5606.5	5634.9	5666.5	5707.5
25°	5420.5	5414.1	5426.9	5430.0	5436.2	5467.7	5477.2	5499.3	5527.7	5556.1	5597.1
27.5°	5294.3	5288.1	5291.2	5303.8	5313.3	5338.5	5344.8	5366.9	5389.0	5414.1	5448.9
30°	5051.5	5045.3	5042.2	5064.2	5073.7	5092.5	5102.0	5139.9	5146.1	5174.5	5199.7
32.5°	4729.9	4726.8	4733.1	4751.9	4761.4	4786.7	4799.3	4821.4	4837.1	4852.9	4878.1
35°	4370.5	4364.1	4370.5	4389.4	4389.4	4411.5	4421.0	4430.3	4427.2	4430.3	4424.1
37.5°	4036.3	4033.0	4036.3	4045.6	4036.3	4045.6	4036.3	4017.3	3982.7	3944.8	3906.9
40°	3752.4	3755.5	3736.7	3749.3	3714.5	3708.3	3673.6	3626.3	3556.9	3481.3	3374.1
42.5°	3449.7	3440.3	3427.7	3433.9	3405.6	3383.4	3326.7	3266.9	3178.5	3052.4	2923.0
45°	3077.6	3074.5	3068.1	3065.0	3046.1	3024.0	2976.6	2907.3	2809.6	2680.3	2525.7
47.5°	2715.0	2705.5	2705.5	2708.6	2686.6	2683.4	2645.5	2585.7	2500.6	2374.4	2213.6
50°	2368.1	2364.9	2371.3	2383.9	2368.1	2361.8	2336.6	2295.6	2220.0	2112.8	1961.3
52.5°	2055.9	2052.8	2059.1	2074.9	2068.5	2074.9	2049.7	2018.1	1967.6	1863.6	1731.2
55°	1750.1	1750.1	1750.1	1768.9	1768.9	1768.9	1756.3	1737.5	1690.1	1614.5	1491.6
57.5°	1431.6	1434.7	1453.7	1456.8	1453.7	1460.0	1456.8	1437.8	1406.4	1352.8	1258.2
60°	1163.6	1163.6	1173.1	1182.5	1179.3	1182.5	1182.5	1173.1	1141.5	1097.4	1021.7
62.5°	920.7	930.2	923.9	930.2	942.8	930.2	923.9	917.6	895.6	867.1	804.1
65°	696.9	703.2	703.2	706.3	700.0	703.2	690.6	681.1	668.6	637.0	596.0
67.5°	529.8	529.8	529.8	529.8	526.6	523.5	520.3	510.9	488.8	476.2	431.9
70°	406.8	387.8	387.8	387.8	387.8	391.1	381.6	369.0	362.6	340.6	309.0
72.5°	271.1	277.5	271.1	271.1	264.9	268.0	255.4	249.1	242.8	230.3	211.3
75°	195.5	179.8	186.0	189.2	179.8	186.0	173.4	160.8	160.8	151.3	141.9
77.5°	126.2	123.0	126.2	129.3	126.2	123.0	116.7	110.3	110.3	107.2	97.7
80°	91.5	88.3	88.3	88.3	85.1	88.3	82.0	82.0	75.7	72.6	66.2
82.5°	60.0	60.0	56.7	60.0	56.7	60.0	50.5	50.5	50.5	47.2	41.0
85°	41.0	34.7	34.7	37.9	31.5	37.9	34.7	31.5	28.4	28.4	25.2
87.5°	18.9	22.1	18.9	22.1	18.9	18.9	22.1	18.9	18.9	12.6	12.6
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: P248564

CATALOG NUMBER: LSR8B100D010 EC8B100835 8LBSW0H

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	6457.9	6457.9	6457.9	6457.9	6457.9	6457.9	6457.9	6457.9	6457.9	6457.9	6457.9
2.5°	6426.4	6429.5	6429.5	6442.2	6448.4	6451.6	6451.6	6476.9	6467.4	6473.8	6480.0
5°	6335.0	6353.8	6360.2	6360.2	6394.8	6407.4	6420.0	6448.4	6451.6	6470.5	6492.6
7.5°	6246.6	6268.7	6281.4	6309.7	6331.8	6353.8	6391.7	6410.7	6429.5	6454.8	6483.1
10°	6161.5	6186.8	6212.0	6234.0	6268.7	6297.1	6322.3	6366.4	6388.6	6423.3	6461.0
12.5°	6079.6	6114.2	6136.3	6174.1	6212.0	6237.1	6275.0	6316.1	6350.7	6385.4	6429.5
15°	6007.0	6048.0	6073.2	6114.2	6155.2	6189.9	6230.9	6281.4	6306.6	6347.6	6388.6
17.5°	5928.1	5972.4	6003.9	6041.7	6092.2	6129.9	6164.7	6215.1	6246.6	6290.8	6338.1
20°	5846.2	5890.3	5928.1	5966.0	6016.5	6054.3	6095.3	6145.8	6180.4	6224.6	6262.5
22.5°	5748.5	5789.5	5830.4	5874.5	5925.0	5956.5	6003.9	6048.0	6085.8	6126.8	6164.7
25°	5622.3	5672.8	5704.4	5745.2	5786.3	5820.9	5871.4	5915.5	5947.1	5985.0	6019.6
27.5°	5474.1	5512.0	5537.2	5571.8	5612.8	5644.4	5682.2	5726.4	5758.0	5792.6	5817.8
30°	5221.8	5256.6	5278.6	5303.8	5344.8	5373.3	5404.8	5445.7	5467.7	5493.1	5515.1
32.5°	4890.7	4919.1	4931.7	4950.7	4979.1	5007.4	5032.7	5067.3	5076.8	5092.5	5092.5
35°	4411.5	4417.7	4414.6	4421.0	4433.6	4449.3	4471.3	4493.4	4506.0	4506.0	4496.6
37.5°	3850.1	3812.4	3771.4	3739.8	3730.3	3724.0	3736.7	3746.1	3758.8	3765.0	3749.3
40°	3266.9	3181.7	3090.2	3008.2	2951.5	2926.3	2916.8	2923.0	2923.0	2945.1	2945.1
42.5°	2765.5	2633.0	2497.5	2374.4	2292.4	2229.4	2201.0	2201.0	2204.1	2220.0	2229.4
45°	2349.2	2182.1	2024.4	1888.9	1775.3	1693.3	1655.5	1646.0	1642.9	1649.1	1671.2
47.5°	2030.7	1857.3	1693.3	1526.2	1406.4	1324.4	1289.7	1277.0	1264.4	1277.0	1280.3
50°	1781.7	1601.9	1428.5	1261.3	1135.2	1062.6	1018.5	999.5	996.4	996.4	1002.8
52.5°	1554.5	1387.5	1214.1	1043.8	911.3	842.0	800.9	791.5	778.9	791.5	791.5
55°	1340.1	1173.1	1002.8	842.0	731.5	659.1	621.2	608.6	602.2	611.7	611.7
57.5°	1106.9	964.9	807.3	662.2	551.9	501.4	473.0	457.3	454.0	460.4	454.0
60°	908.2	788.4	652.7	520.3	435.2	381.6	359.5	353.2	346.8	353.2	353.2
62.5°	718.9	618.1	507.6	406.8	334.2	296.4	271.1	271.1	268.0	268.0	271.1
65°	532.9	454.0	375.2	290.1	233.4	204.9	186.0	186.0	182.9	186.0	182.9
67.5°	387.8	334.2	271.1	211.3	167.2	151.3	138.7	129.3	135.6	129.3	126.2
70°	283.9	239.6	195.5	160.8	129.3	113.6	104.1	100.8	94.6	94.6	94.6
72.5°	189.2	160.8	132.4	104.1	85.1	69.3	66.2	60.0	53.6	56.7	63.1
75°	126.2	107.2	94.6	75.7	56.7	56.7	37.9	37.9	31.5	37.9	28.4
77.5°	88.3	72.6	56.7	47.2	37.9	34.7	25.2	25.2	22.1	22.1	22.1
80°	63.1	53.6	41.0	34.7	25.2	25.2	22.1	18.9	15.7	15.7	18.9
82.5°	37.9	28.4	28.4	25.2	15.7	12.6	9.5	12.6	6.4	6.4	6.4
85°	22.1	18.9	15.7	9.5	6.4	6.4	3.1	0.0	3.1	3.1	0.0
87.5°	12.6	6.4	6.4	3.1	0.0	3.1	3.1	0.0	0.0	0.0	6.4
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: P248564

CATALOG NUMBER: LSR8B100D010 EC8B100835 8LBSWOH

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	6457.9	6457.9	6457.9	6457.9	6457.9	6457.9	6457.9	6457.9	6457.9	6457.9	6457.9
2.5°	6495.8	6492.6	6498.9	6498.9	6517.9	6514.6	6524.1	6524.1	6517.9	6521.0	6533.6
5°	6517.9	6527.4	6546.2	6562.0	6590.3	6603.0	6618.7	6634.6	6637.7	6647.2	6656.6
7.5°	6517.9	6549.4	6571.5	6599.8	6637.7	6659.8	6694.4	6722.8	6735.4	6751.1	6770.1
10°	6505.2	6536.7	6577.7	6609.3	6656.6	6691.3	6725.9	6770.1	6789.0	6814.2	6839.5
12.5°	6480.0	6514.6	6558.8	6599.8	6653.4	6684.9	6729.1	6770.1	6798.5	6833.2	6861.6
15°	6442.2	6483.1	6524.1	6565.1	6621.9	6659.8	6700.8	6748.0	6776.4	6814.2	6839.5
17.5°	6382.3	6426.4	6464.3	6502.1	6555.7	6599.8	6637.7	6681.8	6710.2	6741.8	6776.4
20°	6309.7	6350.7	6391.7	6423.3	6476.9	6514.6	6555.7	6596.7	6618.7	6625.1	6678.7
22.5°	6218.3	6246.6	6278.2	6328.7	6360.2	6394.8	6432.7	6470.5	6492.6	6527.4	6546.2
25°	6066.9	6095.3	6129.9	6152.0	6189.9	6218.3	6256.1	6297.1	6309.7	6335.0	6353.8
27.5°	5855.7	5871.4	5887.2	5906.0	5928.1	5943.9	5966.0	5985.0	5997.6	6010.1	6022.7
30°	5521.3	5521.3	5521.3	5508.8	5518.2	5527.7	5530.8	5527.7	5527.7	5524.6	5524.6
32.5°	5079.9	5054.7	5026.3	5001.1	4991.7	4979.1	4972.7	4963.2	4947.5	4938.1	4941.2
35°	4483.9	4427.2	4392.5	4361.0	4335.8	4316.9	4307.4	4297.9	4294.8	4282.2	4269.5
37.5°	3739.8	3698.8	3673.6	3654.7	3632.6	3613.7	3616.8	3620.0	3629.4	3623.1	3626.3
40°	2951.5	2942.0	2951.5	2929.4	2923.0	2929.4	2945.1	2967.3	2979.9	2992.5	3014.5
42.5°	2245.1	2260.8	2283.0	2283.0	2292.4	2305.1	2323.9	2358.7	2377.5	2399.6	2424.9
45°	1690.1	1709.1	1737.5	1746.9	1753.2	1768.9	1791.1	1819.4	1832.0	1851.0	1873.0
47.5°	1302.3	1314.9	1330.6	1346.5	1362.2	1368.5	1390.6	1390.6	1406.4	1419.0	1425.2
50°	1015.4	1028.0	1040.5	1050.0	1056.4	1065.9	1072.1	1081.6	1084.7	1091.0	1094.1
52.5°	794.6	810.4	810.4	816.7	826.1	835.6	832.5	835.6	838.7	838.7	848.2
55°	621.2	621.2	630.7	630.7	637.0	633.8	637.0	637.0	637.0	637.0	640.1
57.5°	463.5	466.7	476.2	469.8	466.7	473.0	466.7	473.0	469.8	476.2	466.7
60°	356.3	356.3	359.5	359.5	362.6	362.6	362.6	359.5	359.5	356.3	356.3
62.5°	268.0	271.1	274.4	271.1	271.1	271.1	268.0	268.0	264.9	261.7	261.7
65°	179.8	176.6	182.9	176.6	179.8	179.8	176.6	179.8	170.3	173.4	170.3
67.5°	129.3	126.2	123.0	126.2	123.0	119.8	119.8	123.0	126.2	116.7	116.7
70°	85.1	88.3	85.1	88.3	91.5	91.5	88.3	85.1	88.3	82.0	85.1
72.5°	53.6	53.6	53.6	53.6	53.6	56.7	56.7	56.7	50.5	50.5	47.2
75°	25.2	34.7	28.4	25.2	34.7	34.7	31.5	31.5	28.4	28.4	28.4
77.5°	25.2	18.9	18.9	18.9	18.9	18.9	18.9	18.9	15.7	18.9	15.7
80°	12.6	12.6	12.6	9.5	12.6	12.6	15.7	12.6	12.6	9.5	15.7
82.5°	6.4	6.4	6.4	0.0	3.1	6.4	6.4	3.1	6.4	6.4	3.1
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: P248564

CATALOG NUMBER: LSR8B100D010 EC8B100835 8LBSW0H

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	6457.9	6457.9	6457.9	6457.9	6457.9	6457.9	6457.9	6457.9	6457.9	6457.9	6457.9
2.5°	6530.5	6527.4	6530.5	6533.6	6530.5	6527.4	6530.5	6533.6	6521.0	6517.9	6524.1
5°	6669.2	6669.2	6675.5	6678.7	6675.5	6669.2	6669.2	6656.6	6647.2	6637.7	6634.6
7.5°	6789.0	6795.4	6801.6	6804.7	6801.6	6795.4	6789.0	6770.1	6751.1	6735.4	6722.8
10°	6861.6	6871.1	6883.6	6889.9	6883.6	6871.1	6861.6	6839.5	6814.2	6789.0	6770.1
12.5°	6893.1	6902.6	6918.3	6915.2	6918.3	6902.6	6893.1	6861.6	6833.2	6798.5	6770.1
15°	6871.1	6883.6	6899.3	6905.7	6899.3	6883.6	6871.1	6839.5	6814.2	6776.4	6748.0
17.5°	6801.6	6820.6	6830.0	6839.5	6830.0	6820.6	6801.6	6776.4	6741.8	6710.2	6681.8
20°	6707.0	6719.7	6732.3	6735.4	6732.3	6719.7	6707.0	6678.7	6625.1	6618.7	6596.7
22.5°	6571.5	6581.0	6609.3	6599.8	6609.3	6581.0	6571.5	6546.2	6527.4	6492.6	6470.5
25°	6375.9	6385.4	6388.6	6391.7	6388.6	6385.4	6375.9	6353.8	6335.0	6309.7	6297.1
27.5°	6038.6	6038.6	6044.8	6048.0	6044.8	6038.6	6038.6	6022.7	6010.1	5997.6	5985.0
30°	5527.7	5527.7	5527.7	5543.5	5527.7	5527.7	5527.7	5524.6	5524.6	5527.7	5527.7
32.5°	4938.1	4931.7	4925.5	4931.7	4925.5	4931.7	4938.1	4941.2	4938.1	4947.5	4963.2
35°	4269.5	4266.4	4275.9	4263.3	4275.9	4266.4	4269.5	4269.5	4282.2	4294.8	4297.9
37.5°	3629.4	3623.1	3635.7	3623.1	3635.7	3623.1	3629.4	3626.3	3623.1	3629.4	3620.0
40°	3020.9	3027.1	3027.1	3052.4	3027.1	3027.1	3020.9	3014.5	2992.5	2979.9	2967.3
42.5°	2437.5	2456.4	2450.1	2469.0	2450.1	2456.4	2437.5	2424.9	2399.6	2377.5	2358.7
45°	1885.6	1898.3	1898.3	1904.6	1898.3	1898.3	1885.6	1873.0	1851.0	1832.0	1819.4
47.5°	1447.3	1447.3	1447.3	1450.6	1447.3	1447.3	1447.3	1425.2	1419.0	1406.4	1390.6
50°	1100.5	1103.6	1106.9	1110.0	1106.9	1103.6	1100.5	1094.1	1091.0	1084.7	1081.6
52.5°	845.1	848.2	842.0	848.2	842.0	848.2	845.1	848.2	838.7	838.7	835.6
55°	640.1	637.0	640.1	643.2	640.1	637.0	640.1	640.1	637.0	637.0	637.0
57.5°	469.8	463.5	463.5	463.5	463.5	463.5	469.8	466.7	476.2	469.8	473.0
60°	350.0	353.2	353.2	356.3	353.2	353.2	350.0	356.3	356.3	359.5	359.5
62.5°	258.5	268.0	261.7	268.0	261.7	268.0	258.5	261.7	261.7	264.9	268.0
65°	167.2	167.2	167.2	170.3	167.2	167.2	167.2	170.3	173.4	170.3	179.8
67.5°	113.6	116.7	123.0	119.8	123.0	116.7	113.6	116.7	116.7	126.2	123.0
70°	91.5	82.0	82.0	91.5	82.0	82.0	91.5	85.1	82.0	88.3	85.1
72.5°	53.6	47.2	53.6	53.6	53.6	47.2	53.6	47.2	50.5	50.5	56.7
75°	28.4	25.2	22.1	31.5	22.1	25.2	28.4	28.4	28.4	28.4	31.5
77.5°	18.9	15.7	22.1	22.1	22.1	15.7	18.9	15.7	18.9	15.7	18.9
80°	9.5	12.6	9.5	15.7	9.5	12.6	9.5	15.7	9.5	12.6	12.6
82.5°	3.1	6.4	6.4	6.4	6.4	6.4	3.1	3.1	6.4	6.4	3.1
85°	0.0	6.4	3.1	3.1	3.1	6.4	0.0	0.0	0.0	0.0	0.0
87.5°	3.1	0.0	0.0	3.1	0.0	0.0	3.1	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: P248564

CATALOG NUMBER: LSR8B100D010 EC8B100835 8LBSW0H

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	6457.9	6457.9	6457.9	6457.9	6457.9	6457.9	6457.9	6457.9	6457.9	6457.9	6457.9
2.5°	6524.1	6514.6	6517.9	6498.9	6498.9	6492.6	6495.8	6480.0	6473.8	6467.4	6476.9
5°	6618.7	6603.0	6590.3	6562.0	6546.2	6527.4	6517.9	6492.6	6470.5	6451.6	6448.4
7.5°	6694.4	6659.8	6637.7	6599.8	6571.5	6549.4	6517.9	6483.1	6454.8	6429.5	6410.7
10°	6725.9	6691.3	6656.6	6609.3	6577.7	6536.7	6505.2	6461.0	6423.3	6388.6	6366.4
12.5°	6729.1	6684.9	6653.4	6599.8	6558.8	6514.6	6480.0	6429.5	6385.4	6350.7	6316.1
15°	6700.8	6659.8	6621.9	6565.1	6524.1	6483.1	6442.2	6388.6	6347.6	6306.6	6281.4
17.5°	6637.7	6599.8	6555.7	6502.1	6464.3	6426.4	6382.3	6338.1	6290.8	6246.6	6215.1
20°	6555.7	6514.6	6476.9	6423.3	6391.7	6350.7	6309.7	6262.5	6224.6	6180.4	6145.8
22.5°	6432.7	6394.8	6360.2	6328.7	6278.2	6246.6	6218.3	6164.7	6126.8	6085.8	6048.0
25°	6256.1	6218.3	6189.9	6152.0	6129.9	6095.3	6066.9	6019.6	5985.0	5947.1	5915.5
27.5°	5966.0	5943.9	5928.1	5906.0	5887.2	5871.4	5855.7	5817.8	5792.6	5758.0	5726.4
30°	5530.8	5527.7	5518.2	5508.8	5521.3	5521.3	5521.3	5515.1	5493.1	5467.7	5445.7
32.5°	4972.7	4979.1	4991.7	5001.1	5026.3	5054.7	5079.9	5092.5	5092.5	5076.8	5067.3
35°	4307.4	4316.9	4335.8	4361.0	4392.5	4427.2	4483.9	4496.6	4506.0	4506.0	4493.4
37.5°	3616.8	3613.7	3632.6	3654.7	3673.6	3698.8	3739.8	3749.3	3765.0	3758.8	3746.1
40°	2945.1	2929.4	2923.0	2929.4	2951.5	2942.0	2951.5	2945.1	2945.1	2923.0	2923.0
42.5°	2323.9	2305.1	2292.4	2283.0	2283.0	2260.8	2245.1	2229.4	2220.0	2204.1	2201.0
45°	1791.1	1768.9	1753.2	1746.9	1737.5	1709.1	1690.1	1671.2	1649.1	1642.9	1646.0
47.5°	1390.6	1368.5	1362.2	1346.5	1330.6	1314.9	1302.3	1280.3	1277.0	1264.4	1277.0
50°	1072.1	1065.9	1056.4	1050.0	1040.5	1028.0	1015.4	1002.8	996.4	996.4	999.5
52.5°	832.5	835.6	826.1	816.7	810.4	810.4	794.6	791.5	791.5	778.9	791.5
55°	637.0	633.8	637.0	630.7	630.7	621.2	621.2	611.7	611.7	602.2	608.6
57.5°	466.7	473.0	466.7	469.8	476.2	466.7	463.5	454.0	460.4	454.0	457.3
60°	362.6	362.6	362.6	359.5	359.5	356.3	356.3	353.2	353.2	346.8	353.2
62.5°	268.0	271.1	271.1	271.1	274.4	271.1	268.0	271.1	268.0	268.0	271.1
65°	176.6	179.8	179.8	176.6	182.9	176.6	179.8	182.9	186.0	182.9	186.0
67.5°	119.8	119.8	123.0	126.2	123.0	126.2	129.3	126.2	129.3	135.6	129.3
70°	88.3	91.5	91.5	88.3	85.1	88.3	85.1	94.6	94.6	94.6	100.8
72.5°	56.7	56.7	53.6	53.6	53.6	53.6	53.6	63.1	56.7	53.6	60.0
75°	31.5	34.7	34.7	25.2	28.4	34.7	25.2	28.4	37.9	31.5	37.9
77.5°	18.9	18.9	18.9	18.9	18.9	18.9	25.2	22.1	22.1	22.1	25.2
80°	15.7	12.6	12.6	9.5	12.6	12.6	12.6	18.9	15.7	15.7	18.9
82.5°	6.4	6.4	3.1	0.0	6.4	6.4	6.4	6.4	6.4	6.4	12.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	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: P248564

CATALOG NUMBER: LSR8B100D010 EC8B100835 8LBSW0H

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	6457.9	6457.9	6457.9	6457.9	6457.9	6457.9	6457.9	6457.9	6457.9	6457.9	6457.9
2.5°	6451.6	6451.6	6448.4	6442.2	6429.5	6429.5	6426.4	6416.9	6410.7	6407.4	6407.4
5°	6420.0	6407.4	6394.8	6360.2	6360.2	6353.8	6335.0	6322.3	6316.1	6300.2	6294.0
7.5°	6391.7	6353.8	6331.8	6309.7	6281.4	6268.7	6246.6	6237.1	6215.1	6199.4	6189.9
10°	6322.3	6297.1	6268.7	6234.0	6212.0	6186.8	6161.5	6142.7	6114.2	6098.4	6085.8
12.5°	6275.0	6237.1	6212.0	6174.1	6136.3	6114.2	6079.6	6057.5	6029.1	5997.6	5978.6
15°	6230.9	6189.9	6155.2	6114.2	6073.2	6048.0	6007.0	5981.8	5940.8	5909.3	5887.2
17.5°	6164.7	6129.9	6092.2	6041.7	6003.9	5972.4	5928.1	5896.7	5858.8	5817.8	5795.7
20°	6095.3	6054.3	6016.5	5966.0	5928.1	5890.3	5846.2	5811.6	5767.3	5729.5	5704.4
22.5°	6003.9	5956.5	5925.0	5874.5	5830.4	5789.5	5748.5	5707.5	5666.5	5634.9	5606.5
25°	5871.4	5820.9	5786.3	5745.2	5704.4	5672.8	5622.3	5597.1	5556.1	5527.7	5499.3
27.5°	5682.2	5644.4	5612.8	5571.8	5537.2	5512.0	5474.1	5448.9	5414.1	5389.0	5366.9
30°	5404.8	5373.3	5344.8	5303.8	5278.6	5256.6	5221.8	5199.7	5174.5	5146.1	5139.9
32.5°	5032.7	5007.4	4979.1	4950.7	4931.7	4919.1	4890.7	4878.1	4852.9	4837.1	4821.4
35°	4471.3	4449.3	4433.6	4421.0	4414.6	4417.7	4411.5	4424.1	4430.3	4427.2	4430.3
37.5°	3736.7	3724.0	3730.3	3739.8	3771.4	3812.4	3850.1	3906.9	3944.8	3982.7	4017.3
40°	2916.8	2926.3	2951.5	3008.2	3090.2	3181.7	3266.9	3374.1	3481.3	3556.9	3626.3
42.5°	2201.0	2229.4	2292.4	2374.4	2497.5	2633.0	2765.5	2923.0	3052.4	3178.5	3266.9
45°	1655.5	1693.3	1775.3	1888.9	2024.4	2182.1	2349.2	2525.7	2680.3	2809.6	2907.3
47.5°	1289.7	1324.4	1406.4	1526.2	1693.3	1857.3	2030.7	2213.6	2374.4	2500.6	2585.7
50°	1018.5	1062.6	1135.2	1261.3	1428.5	1601.9	1781.7	1961.3	2112.8	2220.0	2295.6
52.5°	800.9	842.0	911.3	1043.8	1214.1	1387.5	1554.5	1731.2	1863.6	1967.6	2018.1
55°	621.2	659.1	731.5	842.0	1002.8	1173.1	1340.1	1491.6	1614.5	1690.1	1737.5
57.5°	473.0	501.4	551.9	662.2	807.3	964.9	1106.9	1258.2	1352.8	1406.4	1437.8
60°	359.5	381.6	435.2	520.3	652.7	788.4	908.2	1021.7	1097.4	1141.5	1173.1
62.5°	271.1	296.4	334.2	406.8	507.6	618.1	718.9	804.1	867.1	895.6	917.6
65°	186.0	204.9	233.4	290.1	375.2	454.0	532.9	596.0	637.0	668.6	681.1
67.5°	138.7	151.3	167.2	211.3	271.1	334.2	387.8	431.9	476.2	488.8	510.9
70°	104.1	113.6	129.3	160.8	195.5	239.6	283.9	309.0	340.6	362.6	369.0
72.5°	66.2	69.3	85.1	104.1	132.4	160.8	189.2	211.3	230.3	242.8	249.1
75°	37.9	56.7	56.7	75.7	94.6	107.2	126.2	141.9	151.3	160.8	160.8
77.5°	25.2	34.7	37.9	47.2	56.7	72.6	88.3	97.7	107.2	110.3	110.3
80°	22.1	25.2	25.2	34.7	41.0	53.6	63.1	66.2	72.6	75.7	82.0
82.5°	9.5	12.6	15.7	25.2	28.4	28.4	37.9	41.0	47.2	50.5	50.5
85°	3.1	6.4	6.4	9.5	15.7	18.9	22.1	25.2	28.4	28.4	31.5
87.5°	3.1	3.1	0.0	3.1	6.4	6.4	12.6	12.6	12.6	18.9	18.9
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: P248564

CATALOG NUMBER: LSR8B100D010 EC8B100835 8LBSWOH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	6457.9	6457.9	6457.9	6457.9	6457.9	6457.9	6457.9
2.5°	6401.2	6404.3	6391.7	6388.6	6382.3	6385.4	6391.7
5°	6284.5	6287.6	6275.0	6262.5	6262.5	6259.2	6262.5
7.5°	6174.1	6177.3	6158.4	6152.0	6139.4	6142.7	6142.7
10°	6063.7	6063.7	6035.5	6032.2	6022.7	6019.6	6019.6
12.5°	5956.5	5947.1	5925.0	5912.4	5918.8	5899.8	5899.8
15°	5861.9	5846.2	5817.8	5808.3	5792.6	5786.3	5786.3
17.5°	5764.2	5751.6	5726.4	5707.5	5688.5	5685.4	5688.5
20°	5669.6	5657.0	5625.4	5612.8	5597.1	5597.1	5590.8
22.5°	5575.0	5562.4	5534.1	5524.6	5502.5	5502.5	5505.6
25°	5477.2	5467.7	5436.2	5430.0	5426.9	5414.1	5420.5
27.5°	5344.8	5338.5	5313.3	5303.8	5291.2	5288.1	5294.3
30°	5102.0	5092.5	5073.7	5064.2	5042.2	5045.3	5051.5
32.5°	4799.3	4786.7	4761.4	4751.9	4733.1	4726.8	4729.9
35°	4421.0	4411.5	4389.4	4389.4	4370.5	4364.1	4370.5
37.5°	4036.3	4045.6	4036.3	4045.6	4036.3	4033.0	4036.3
40°	3673.6	3708.3	3714.5	3749.3	3736.7	3755.5	3752.4
42.5°	3326.7	3383.4	3405.6	3433.9	3427.7	3440.3	3449.7
45°	2976.6	3024.0	3046.1	3065.0	3068.1	3074.5	3077.6
47.5°	2645.5	2683.4	2686.6	2708.6	2705.5	2705.5	2715.0
50°	2336.6	2361.8	2368.1	2383.9	2371.3	2364.9	2368.1
52.5°	2049.7	2074.9	2068.5	2074.9	2059.1	2052.8	2055.9
55°	1756.3	1768.9	1768.9	1768.9	1750.1	1750.1	1750.1
57.5°	1456.8	1460.0	1453.7	1456.8	1453.7	1434.7	1431.6
60°	1182.5	1182.5	1179.3	1182.5	1173.1	1163.6	1163.6
62.5°	923.9	930.2	942.8	930.2	923.9	930.2	920.7
65°	690.6	703.2	700.0	706.3	703.2	703.2	696.9
67.5°	520.3	523.5	526.6	529.8	529.8	529.8	529.8
70°	381.6	391.1	387.8	387.8	387.8	387.8	406.8
72.5°	255.4	268.0	264.9	271.1	271.1	277.5	271.1
75°	173.4	186.0	179.8	189.2	186.0	179.8	195.5
77.5°	116.7	123.0	126.2	129.3	126.2	123.0	126.2
80°	82.0	88.3	85.1	88.3	88.3	88.3	91.5
82.5°	50.5	60.0	56.7	60.0	56.7	60.0	60.0
85°	34.7	37.9	31.5	37.9	34.7	34.7	41.0
87.5°	22.1	18.9	18.9	22.1	18.9	22.1	18.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)