

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: P249005

Luminaire Tested: **LSR8B100D010 EC8B100840 8LBSW0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P249005
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 EC8B100840 8LBSW0MW
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT- CYLINDEC
80 CRI 4000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10693.0 lumens
Efficiency: N/A
Efficacy: 100.6 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

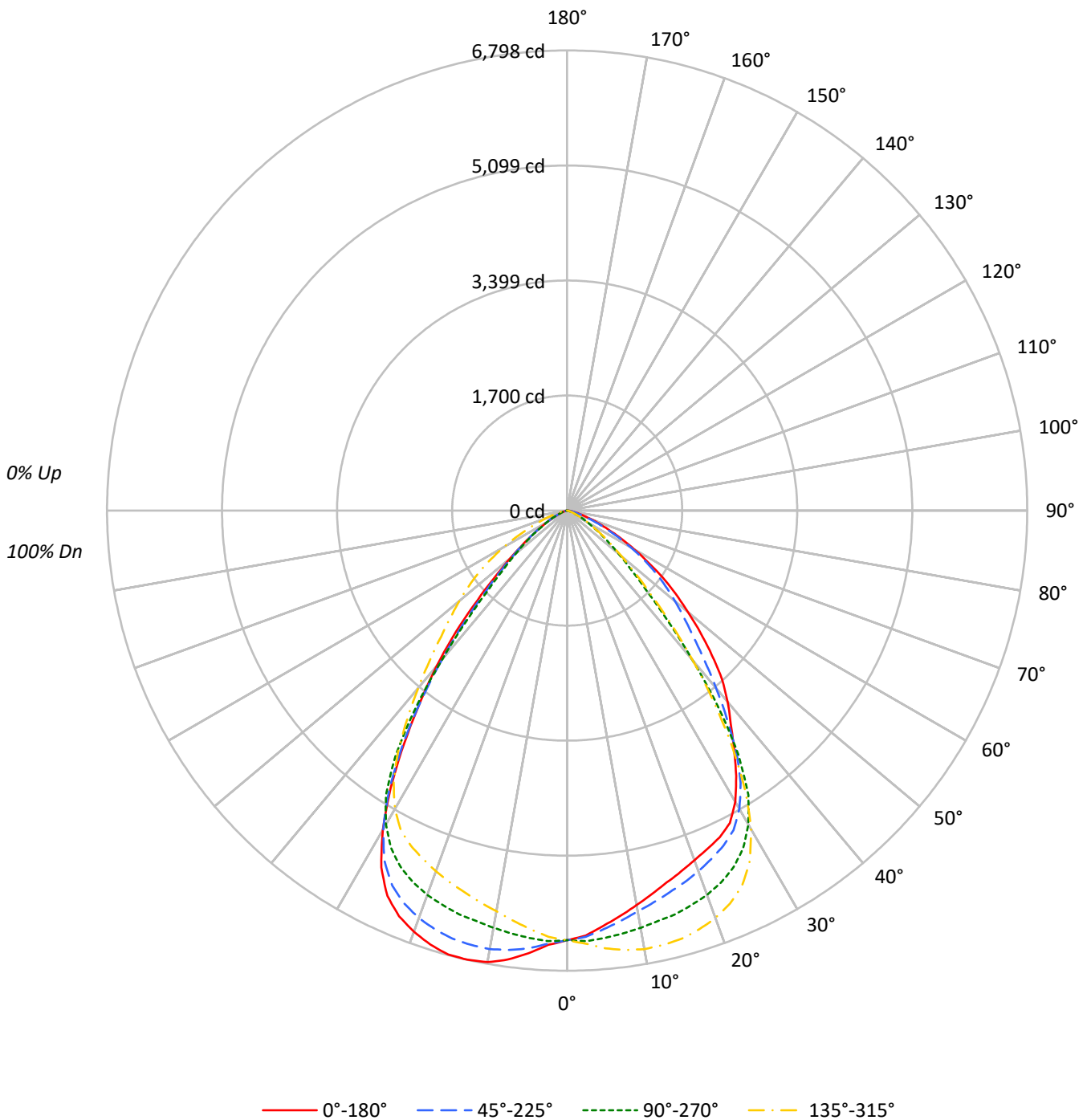
Input Watts (W): 106.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	195752	195752	195752	195752
5°	190553	196212	203217	196212
10°	185279	195954	212067	195954
15°	181578	197119	216710	197119
20°	180343	198247	217267	198247
25°	181291	197847	213773	197847
30°	176809	190606	194032	190606
35°	161727	166274	157759	166274
40°	148481	115662	120782	115662
45°	131931	70560	81645	70560
50°	111671	47133	52343	47133
55°	92486	32160	33993	32160
60°	70541	21413	21598	21413
65°	49981	13338	12214	13338
70°	36046	8935	8105	8935
75°	22887	4444	3693	4444
80°	15964	3303	2735	3303
85°	14258	0	1097	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	604.2	5.7
10°-20°	1749.7	16.4
20°-30°	2649.4	24.8
30°-40°	2655.4	24.8
40°-50°	1667.4	15.6
50°-60°	888.6	8.3
60°-70°	365.4	3.4
70°-80°	96.5	0.9
80°-90°	16.3	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°	5003.4	46.8
0°-40°	7658.7	71.6
0°-60°	10214.7	95.5
0°-90°	10693.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10693.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	6348	6348	6348	6348	6348	
5°	6156	6339	6565	6339	6156	581
15°	5688	6175	6788	6175	5688	1609
25°	5328	5815	6283	5815	5328	2444
35°	4296	4417	4191	4417	4296	2692
45°	3025	1618	1872	1618	3025	2327
55°	1720	598	632	598	1720	1534
65°	685	183	167	183	685	711
75°	192	37	31	37	192	218
85°	40	0	3	0	40	44
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°	6348.1	6348.1	6348.1	6348.1	6348.1	6348.1	6348.1	6348.1	6348.1	6348.1	6348.1
2.5°	6283.0	6276.8	6273.7	6280.0	6283.0	6295.4	6292.3	6298.5	6298.5	6301.7	6307.8
5°	6156.0	6152.8	6156.0	6156.0	6168.3	6180.7	6177.6	6187.0	6193.1	6208.6	6214.8
7.5°	6038.2	6038.2	6035.0	6047.4	6053.6	6072.3	6069.1	6084.6	6093.9	6109.4	6131.1
10°	5917.2	5917.2	5920.3	5929.6	5932.8	5960.6	5960.6	5982.3	5994.7	6010.3	6038.2
12.5°	5799.5	5799.5	5818.1	5811.9	5824.2	5845.9	5855.2	5876.9	5895.6	5926.6	5954.5
15°	5687.8	5687.8	5694.1	5709.5	5718.8	5746.8	5762.2	5787.1	5808.8	5839.8	5880.1
17.5°	5591.8	5588.7	5591.8	5610.4	5629.0	5653.8	5666.2	5697.2	5718.8	5759.2	5796.4
20°	5495.7	5502.0	5502.0	5517.4	5529.8	5560.8	5573.1	5607.3	5632.1	5669.2	5712.7
22.5°	5412.0	5408.9	5408.9	5430.6	5439.9	5467.8	5480.1	5511.1	5539.1	5570.1	5610.4
25°	5328.3	5322.1	5334.6	5337.6	5343.8	5374.8	5384.1	5405.8	5433.7	5461.6	5502.0
27.5°	5204.3	5198.2	5201.2	5213.6	5222.9	5247.7	5253.9	5275.6	5297.3	5322.1	5356.3
30°	4965.6	4959.5	4956.4	4978.1	4987.4	5005.9	5015.2	5052.5	5058.6	5086.5	5111.3
32.5°	4649.4	4646.4	4652.6	4671.1	4680.4	4705.3	4717.7	4739.4	4754.8	4770.4	4795.1
35°	4296.2	4289.9	4296.2	4314.8	4314.8	4336.5	4345.8	4355.0	4351.9	4355.0	4348.8
37.5°	3967.6	3964.4	3967.6	3976.8	3967.6	3976.8	3967.6	3949.0	3914.9	3877.7	3840.4
40°	3688.6	3691.7	3673.2	3685.5	3651.3	3645.2	3611.2	3564.6	3496.5	3422.1	3316.7
42.5°	3391.1	3381.8	3369.4	3375.5	3347.7	3325.9	3270.1	3211.3	3124.4	3000.5	2873.3
45°	3025.3	3022.2	3016.0	3012.9	2994.3	2972.6	2926.0	2857.9	2761.8	2634.7	2482.8
47.5°	2668.8	2659.5	2659.5	2662.6	2640.9	2637.8	2600.6	2541.7	2458.0	2334.0	2176.0
50°	2327.8	2324.7	2331.0	2343.3	2327.8	2321.7	2296.9	2256.6	2182.2	2076.8	1927.9
52.5°	2020.9	2017.9	2024.1	2039.6	2033.3	2039.6	2014.8	1983.8	1934.2	1831.9	1701.7
55°	1720.3	1720.3	1720.3	1738.8	1738.8	1738.8	1726.5	1708.0	1661.4	1587.0	1466.2
57.5°	1407.3	1410.3	1428.9	1432.0	1428.9	1435.2	1432.0	1413.4	1382.5	1329.8	1236.8
60°	1143.8	1143.8	1153.1	1162.4	1159.2	1162.4	1162.4	1153.1	1122.1	1078.7	1004.3
62.5°	905.1	914.4	908.1	914.4	926.8	914.4	908.1	902.0	880.3	852.4	790.4
65°	685.0	691.3	691.3	694.3	688.1	691.3	678.9	669.6	657.2	626.2	585.9
67.5°	520.8	520.8	520.8	520.8	517.6	514.5	511.5	502.2	480.5	468.1	424.6
70°	399.8	381.2	381.2	381.2	381.2	384.4	375.1	362.7	356.5	334.8	303.8
72.5°	266.5	272.8	266.5	266.5	260.4	263.5	251.1	244.8	238.7	226.3	207.7
75°	192.1	176.7	182.8	186.0	176.7	182.8	170.5	158.1	158.1	148.8	139.4
77.5°	124.0	121.0	124.0	127.1	124.0	121.0	114.7	108.4	108.4	105.4	96.1
80°	89.9	86.8	86.8	86.8	83.7	86.8	80.6	80.6	74.4	71.3	65.1
82.5°	58.9	58.9	55.8	58.9	55.8	58.9	49.6	49.6	49.6	46.4	40.3
85°	40.3	34.1	34.1	37.3	31.0	37.3	34.1	31.0	27.9	27.9	24.8
87.5°	18.6	21.7	18.6	21.7	18.6	18.6	21.7	18.6	18.6	12.4	12.4
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	6348.1	6348.1	6348.1	6348.1	6348.1	6348.1	6348.1	6348.1	6348.1	6348.1	6348.1
2.5°	6317.1	6320.2	6320.2	6332.7	6338.8	6341.8	6341.8	6366.7	6357.4	6363.7	6369.8
5°	6227.3	6245.8	6252.0	6252.0	6286.1	6298.5	6310.8	6338.8	6341.8	6360.5	6382.2
7.5°	6140.4	6162.1	6174.6	6202.4	6224.1	6245.8	6283.0	6301.7	6320.2	6345.0	6372.8
10°	6056.7	6081.6	6106.3	6128.0	6162.1	6190.0	6214.8	6258.1	6280.0	6314.0	6351.2
12.5°	5976.2	6010.3	6031.9	6069.1	6106.3	6131.1	6168.3	6208.6	6242.7	6276.8	6320.2
15°	5904.9	5945.2	5969.9	6010.3	6050.6	6084.6	6125.0	6174.6	6199.3	6239.6	6280.0
17.5°	5827.3	5870.8	5901.8	5938.9	5988.6	6025.7	6059.9	6109.4	6140.4	6183.8	6230.3
20°	5746.8	5790.2	5827.3	5864.6	5914.2	5951.3	5991.6	6041.3	6075.3	6118.7	6156.0
22.5°	5650.7	5691.0	5731.2	5774.6	5824.2	5855.2	5901.8	5945.2	5982.3	6022.6	6059.9
25°	5526.7	5576.3	5607.3	5647.5	5687.8	5721.9	5771.5	5814.9	5845.9	5883.2	5917.2
27.5°	5381.0	5418.3	5443.0	5477.1	5517.4	5548.4	5585.5	5629.0	5660.0	5694.1	5718.8
30°	5133.0	5167.2	5188.9	5213.6	5253.9	5281.9	5312.9	5353.1	5374.8	5399.6	5421.3
32.5°	4807.5	4835.5	4847.8	4866.5	4894.4	4922.2	4947.1	4981.2	4990.5	5005.9	5005.9
35°	4336.5	4342.6	4339.5	4345.8	4358.2	4373.6	4395.3	4417.0	4429.4	4429.4	4420.2
37.5°	3784.7	3747.5	3707.2	3676.2	3666.9	3660.7	3673.2	3682.3	3694.8	3701.0	3685.5
40°	3211.3	3127.6	3037.7	2957.0	2901.3	2876.5	2867.2	2873.3	2873.3	2895.0	2895.0
42.5°	2718.4	2588.2	2455.0	2334.0	2253.4	2191.5	2163.6	2163.6	2166.6	2182.2	2191.5
45°	2309.3	2145.0	1989.9	1856.7	1745.1	1664.5	1627.3	1618.0	1615.0	1621.1	1642.8
47.5°	1996.2	1825.7	1664.5	1500.3	1382.5	1301.9	1267.8	1255.3	1242.9	1255.3	1258.5
50°	1751.4	1574.6	1404.2	1239.9	1115.9	1044.5	1001.2	982.5	979.5	979.5	985.7
52.5°	1528.1	1363.9	1193.4	1026.0	895.8	827.6	787.3	778.0	765.6	778.0	778.0
55°	1317.3	1153.1	985.7	827.6	719.1	647.9	610.6	598.2	592.0	601.3	601.3
57.5°	1088.0	948.5	793.6	650.9	542.5	492.9	464.9	449.5	446.3	452.5	446.3
60°	892.7	774.9	641.6	511.5	427.8	375.1	353.4	347.2	340.9	347.2	347.2
62.5°	706.7	607.6	499.0	399.8	328.5	291.4	266.5	266.5	263.5	263.5	266.5
65°	523.9	446.3	368.8	285.2	229.4	201.5	182.8	182.8	179.8	182.8	179.8
67.5°	381.2	328.5	266.5	207.7	164.3	148.8	136.4	127.1	133.3	127.1	124.0
70°	279.0	235.5	192.1	158.1	127.1	111.6	102.3	99.1	93.0	93.0	93.0
72.5°	186.0	158.1	130.1	102.3	83.7	68.1	65.1	58.9	52.7	55.8	62.0
75°	124.0	105.4	93.0	74.4	55.8	55.8	37.3	37.3	31.0	37.3	27.9
77.5°	86.8	71.3	55.8	46.4	37.3	34.1	24.8	24.8	21.7	21.7	21.7
80°	62.0	52.7	40.3	34.1	24.8	24.8	21.7	18.6	15.4	15.4	18.6
82.5°	37.3	27.9	27.9	24.8	15.4	12.4	9.3	12.4	6.3	6.3	6.3
85°	21.7	18.6	15.4	9.3	6.3	6.3	3.1	0.0	3.1	3.1	0.0
87.5°	12.4	6.3	6.3	3.1	0.0	3.1	3.1	0.0	0.0	0.0	6.3
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°	6348.1	6348.1	6348.1	6348.1	6348.1	6348.1	6348.1	6348.1	6348.1	6348.1	6348.1
2.5°	6385.4	6382.2	6388.4	6388.4	6407.0	6403.8	6413.2	6413.2	6407.0	6410.1	6422.5
5°	6407.0	6416.4	6434.9	6450.4	6478.2	6490.7	6506.2	6521.7	6524.8	6534.1	6543.4
7.5°	6407.0	6438.0	6459.7	6487.5	6524.8	6546.5	6580.6	6608.5	6620.9	6636.3	6654.9
10°	6394.5	6425.5	6465.9	6496.9	6543.4	6577.5	6611.6	6654.9	6673.6	6698.3	6723.2
12.5°	6369.8	6403.8	6447.2	6487.5	6540.2	6571.2	6614.6	6654.9	6682.9	6716.9	6744.9
15°	6332.7	6372.8	6413.2	6453.5	6509.2	6546.5	6586.8	6633.2	6661.2	6698.3	6723.2
17.5°	6273.7	6317.1	6354.3	6391.5	6444.2	6487.5	6524.8	6568.2	6596.1	6627.1	6661.2
20°	6202.4	6242.7	6283.0	6314.0	6366.7	6403.8	6444.2	6484.5	6506.2	6512.4	6565.1
22.5°	6112.6	6140.4	6171.4	6221.0	6252.0	6286.1	6323.3	6360.5	6382.2	6416.4	6434.9
25°	5963.7	5991.6	6025.7	6047.4	6084.6	6112.6	6149.7	6190.0	6202.4	6227.3	6245.8
27.5°	5756.1	5771.5	5787.1	5805.6	5827.3	5842.9	5864.6	5883.2	5895.6	5907.9	5920.3
30°	5427.4	5427.4	5427.4	5415.1	5424.4	5433.7	5436.8	5433.7	5433.7	5430.6	5430.6
32.5°	4993.5	4968.8	4940.8	4916.1	4906.8	4894.4	4888.1	4878.8	4863.4	4854.1	4857.1
35°	4407.7	4351.9	4317.8	4286.8	4262.1	4243.5	4234.1	4224.8	4221.8	4209.4	4196.9
37.5°	3676.2	3635.9	3611.2	3592.5	3570.8	3552.2	3555.3	3558.5	3567.6	3561.5	3564.6
40°	2901.3	2892.0	2901.3	2879.6	2873.3	2879.6	2895.0	2916.8	2929.2	2941.6	2963.3
42.5°	2207.0	2222.4	2244.2	2244.2	2253.4	2265.9	2284.4	2318.6	2337.1	2358.8	2383.7
45°	1661.4	1680.0	1708.0	1717.2	1723.4	1738.8	1760.7	1788.5	1800.9	1819.5	1841.2
47.5°	1280.2	1292.6	1308.0	1323.6	1339.0	1345.3	1366.9	1366.9	1382.5	1394.9	1401.0
50°	998.1	1010.5	1022.8	1032.2	1038.4	1047.7	1053.8	1063.2	1066.2	1072.5	1075.5
52.5°	781.1	796.6	796.6	802.8	812.1	821.4	818.3	821.4	824.5	824.5	833.8
55°	610.6	610.6	619.9	619.9	626.2	623.0	626.2	626.2	626.2	626.2	629.2
57.5°	455.6	458.8	468.1	461.9	458.8	464.9	458.8	464.9	461.9	468.1	458.8
60°	350.2	350.2	353.4	353.4	356.5	356.5	356.5	353.4	353.4	350.2	350.2
62.5°	263.5	266.5	269.7	266.5	266.5	266.5	263.5	263.5	260.4	257.2	257.2
65°	176.7	173.6	179.8	173.6	176.7	176.7	173.6	176.7	167.4	170.5	167.4
67.5°	127.1	124.0	121.0	124.0	121.0	117.8	117.8	121.0	124.0	114.7	114.7
70°	83.7	86.8	83.7	86.8	89.9	89.9	86.8	83.7	86.8	80.6	83.7
72.5°	52.7	52.7	52.7	52.7	52.7	55.8	55.8	55.8	49.6	49.6	46.4
75°	24.8	34.1	27.9	24.8	34.1	34.1	31.0	31.0	27.9	27.9	27.9
77.5°	24.8	18.6	18.6	18.6	18.6	18.6	18.6	18.6	15.4	18.6	15.4
80°	12.4	12.4	12.4	9.3	12.4	12.4	15.4	12.4	12.4	9.3	15.4
82.5°	6.3	6.3	6.3	0.0	3.1	6.3	6.3	3.1	6.3	6.3	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: P249005

CATALOG NUMBER: LSR8B100D010 EC8B100840 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	6348.1	6348.1	6348.1	6348.1	6348.1	6348.1	6348.1	6348.1	6348.1	6348.1	6348.1
2.5°	6419.4	6416.4	6419.4	6422.5	6419.4	6416.4	6419.4	6422.5	6410.1	6407.0	6413.2
5°	6555.8	6555.8	6561.9	6565.1	6561.9	6555.8	6555.8	6543.4	6534.1	6524.8	6521.7
7.5°	6673.6	6679.8	6685.9	6689.0	6685.9	6679.8	6673.6	6654.9	6636.3	6620.9	6608.5
10°	6744.9	6754.2	6766.6	6772.7	6766.6	6754.2	6744.9	6723.2	6698.3	6673.6	6654.9
12.5°	6775.9	6785.2	6800.6	6797.6	6800.6	6785.2	6775.9	6744.9	6716.9	6682.9	6654.9
15°	6754.2	6766.6	6782.0	6788.3	6782.0	6766.6	6754.2	6723.2	6698.3	6661.2	6633.2
17.5°	6685.9	6704.6	6713.9	6723.2	6713.9	6704.6	6685.9	6661.2	6627.1	6596.1	6568.2
20°	6592.9	6605.4	6617.8	6620.9	6617.8	6605.4	6592.9	6565.1	6512.4	6506.2	6484.5
22.5°	6459.7	6469.0	6496.9	6487.5	6496.9	6469.0	6459.7	6434.9	6416.4	6382.2	6360.5
25°	6267.5	6276.8	6280.0	6283.0	6280.0	6276.8	6267.5	6245.8	6227.3	6202.4	6190.0
27.5°	5935.9	5935.9	5942.0	5945.2	5942.0	5935.9	5935.9	5920.3	5907.9	5895.6	5883.2
30°	5433.7	5433.7	5433.7	5449.3	5433.7	5433.7	5433.7	5430.6	5430.6	5433.7	5433.7
32.5°	4854.1	4847.8	4841.7	4847.8	4841.7	4847.8	4854.1	4857.1	4854.1	4863.4	4878.8
35°	4196.9	4193.8	4203.1	4190.8	4203.1	4193.8	4196.9	4196.9	4209.4	4221.8	4224.8
37.5°	3567.6	3561.5	3573.9	3561.5	3573.9	3561.5	3567.6	3564.6	3561.5	3567.6	3558.5
40°	2969.5	2975.7	2975.7	3000.5	2975.7	2975.7	2969.5	2963.3	2941.6	2929.2	2916.8
42.5°	2396.0	2414.7	2408.4	2427.0	2408.4	2414.7	2396.0	2383.7	2358.8	2337.1	2318.6
45°	1853.5	1866.1	1866.1	1872.2	1866.1	1866.1	1853.5	1841.2	1819.5	1800.9	1788.5
47.5°	1422.7	1422.7	1422.7	1425.9	1422.7	1422.7	1422.7	1401.0	1394.9	1382.5	1366.9
50°	1081.8	1084.9	1088.0	1091.1	1088.0	1084.9	1081.8	1075.5	1072.5	1066.2	1063.2
52.5°	830.7	833.8	827.6	833.8	827.6	833.8	830.7	833.8	824.5	824.5	821.4
55°	629.2	626.2	629.2	632.3	629.2	626.2	629.2	629.2	626.2	626.2	626.2
57.5°	461.9	455.6	455.6	455.6	455.6	455.6	461.9	458.8	468.1	461.9	464.9
60°	344.1	347.2	347.2	350.2	347.2	347.2	344.1	350.2	350.2	353.4	353.4
62.5°	254.1	263.5	257.2	263.5	257.2	263.5	254.1	257.2	257.2	260.4	263.5
65°	164.3	164.3	164.3	167.4	164.3	164.3	164.3	167.4	170.5	167.4	176.7
67.5°	111.6	114.7	121.0	117.8	121.0	114.7	111.6	114.7	114.7	124.0	121.0
70°	89.9	80.6	80.6	89.9	80.6	80.6	89.9	83.7	80.6	86.8	83.7
72.5°	52.7	46.4	52.7	52.7	52.7	46.4	52.7	46.4	49.6	49.6	55.8
75°	27.9	24.8	21.7	31.0	21.7	24.8	27.9	27.9	27.9	27.9	31.0
77.5°	18.6	15.4	21.7	21.7	21.7	15.4	18.6	15.4	18.6	15.4	18.6
80°	9.3	12.4	9.3	15.4	9.3	12.4	9.3	15.4	9.3	12.4	12.4
82.5°	3.1	6.3	6.3	6.3	6.3	6.3	3.1	3.1	6.3	6.3	3.1
85°	0.0	6.3	3.1	3.1	3.1	6.3	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: P249005

CATALOG NUMBER: LSR8B100D010 EC8B100840 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	6348.1	6348.1	6348.1	6348.1	6348.1	6348.1	6348.1	6348.1	6348.1	6348.1	6348.1
2.5°	6413.2	6403.8	6407.0	6388.4	6388.4	6382.2	6385.4	6369.8	6363.7	6357.4	6366.7
5°	6506.2	6490.7	6478.2	6450.4	6434.9	6416.4	6407.0	6382.2	6360.5	6341.8	6338.8
7.5°	6580.6	6546.5	6524.8	6487.5	6459.7	6438.0	6407.0	6372.8	6345.0	6320.2	6301.7
10°	6611.6	6577.5	6543.4	6496.9	6465.9	6425.5	6394.5	6351.2	6314.0	6280.0	6258.1
12.5°	6614.6	6571.2	6540.2	6487.5	6447.2	6403.8	6369.8	6320.2	6276.8	6242.7	6208.6
15°	6586.8	6546.5	6509.2	6453.5	6413.2	6372.8	6332.7	6280.0	6239.6	6199.3	6174.6
17.5°	6524.8	6487.5	6444.2	6391.5	6354.3	6317.1	6273.7	6230.3	6183.8	6140.4	6109.4
20°	6444.2	6403.8	6366.7	6314.0	6283.0	6242.7	6202.4	6156.0	6118.7	6075.3	6041.3
22.5°	6323.3	6286.1	6252.0	6221.0	6171.4	6140.4	6112.6	6059.9	6022.6	5982.3	5945.2
25°	6149.7	6112.6	6084.6	6047.4	6025.7	5991.6	5963.7	5917.2	5883.2	5845.9	5814.9
27.5°	5864.6	5842.9	5827.3	5805.6	5787.1	5771.5	5756.1	5718.8	5694.1	5660.0	5629.0
30°	5436.8	5433.7	5424.4	5415.1	5427.4	5427.4	5427.4	5421.3	5399.6	5374.8	5353.1
32.5°	4888.1	4894.4	4906.8	4916.1	4940.8	4968.8	4993.5	5005.9	5005.9	4990.5	4981.2
35°	4234.1	4243.5	4262.1	4286.8	4317.8	4351.9	4407.7	4420.2	4429.4	4429.4	4417.0
37.5°	3555.3	3552.2	3570.8	3592.5	3611.2	3635.9	3676.2	3685.5	3701.0	3694.8	3682.3
40°	2895.0	2879.6	2873.3	2879.6	2901.3	2892.0	2901.3	2895.0	2895.0	2873.3	2873.3
42.5°	2284.4	2265.9	2253.4	2244.2	2244.2	2222.4	2207.0	2191.5	2182.2	2166.6	2163.6
45°	1760.7	1738.8	1723.4	1717.2	1708.0	1680.0	1661.4	1642.8	1621.1	1615.0	1618.0
47.5°	1366.9	1345.3	1339.0	1323.6	1308.0	1292.6	1280.2	1258.5	1255.3	1242.9	1255.3
50°	1053.8	1047.7	1038.4	1032.2	1022.8	1010.5	998.1	985.7	979.5	979.5	982.5
52.5°	818.3	821.4	812.1	802.8	796.6	796.6	781.1	778.0	778.0	765.6	778.0
55°	626.2	623.0	626.2	619.9	619.9	610.6	610.6	601.3	601.3	592.0	598.2
57.5°	458.8	464.9	458.8	461.9	468.1	458.8	455.6	446.3	452.5	446.3	449.5
60°	356.5	356.5	356.5	353.4	353.4	350.2	350.2	347.2	347.2	340.9	347.2
62.5°	263.5	266.5	266.5	266.5	269.7	266.5	263.5	266.5	263.5	263.5	266.5
65°	173.6	176.7	176.7	173.6	179.8	173.6	176.7	179.8	182.8	179.8	182.8
67.5°	117.8	117.8	121.0	124.0	121.0	124.0	127.1	124.0	127.1	133.3	127.1
70°	86.8	89.9	89.9	86.8	83.7	86.8	83.7	93.0	93.0	93.0	99.1
72.5°	55.8	55.8	52.7	52.7	52.7	52.7	52.7	62.0	55.8	52.7	58.9
75°	31.0	34.1	34.1	24.8	27.9	34.1	24.8	27.9	37.3	31.0	37.3
77.5°	18.6	18.6	18.6	18.6	18.6	18.6	24.8	21.7	21.7	21.7	24.8
80°	15.4	12.4	12.4	9.3	12.4	12.4	12.4	18.6	15.4	15.4	18.6
82.5°	6.3	6.3	3.1	0.0	6.3	6.3	6.3	6.3	6.3	6.3	12.4
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	6.3	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: P249005

CATALOG NUMBER: LSR8B100D010 EC8B100840 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	6348.1	6348.1	6348.1	6348.1	6348.1	6348.1	6348.1	6348.1	6348.1	6348.1	6348.1
2.5°	6341.8	6341.8	6338.8	6332.7	6320.2	6320.2	6317.1	6307.8	6301.7	6298.5	6298.5
5°	6310.8	6298.5	6286.1	6252.0	6252.0	6245.8	6227.3	6214.8	6208.6	6193.1	6187.0
7.5°	6283.0	6245.8	6224.1	6202.4	6174.6	6162.1	6140.4	6131.1	6109.4	6093.9	6084.6
10°	6214.8	6190.0	6162.1	6128.0	6106.3	6081.6	6056.7	6038.2	6010.3	5994.7	5982.3
12.5°	6168.3	6131.1	6106.3	6069.1	6031.9	6010.3	5976.2	5954.5	5926.6	5895.6	5876.9
15°	6125.0	6084.6	6050.6	6010.3	5969.9	5945.2	5904.9	5880.1	5839.8	5808.8	5787.1
17.5°	6059.9	6025.7	5988.6	5938.9	5901.8	5870.8	5827.3	5796.4	5759.2	5718.8	5697.2
20°	5991.6	5951.3	5914.2	5864.6	5827.3	5790.2	5746.8	5712.7	5669.2	5632.1	5607.3
22.5°	5901.8	5855.2	5824.2	5774.6	5731.2	5691.0	5650.7	5610.4	5570.1	5539.1	5511.1
25°	5771.5	5721.9	5687.8	5647.5	5607.3	5576.3	5526.7	5502.0	5461.6	5433.7	5405.8
27.5°	5585.5	5548.4	5517.4	5477.1	5443.0	5418.3	5381.0	5356.3	5322.1	5297.3	5275.6
30°	5312.9	5281.9	5253.9	5213.6	5188.9	5167.2	5133.0	5111.3	5086.5	5058.6	5052.5
32.5°	4947.1	4922.2	4894.4	4866.5	4847.8	4835.5	4807.5	4795.1	4770.4	4754.8	4739.4
35°	4395.3	4373.6	4358.2	4345.8	4339.5	4342.6	4336.5	4348.8	4355.0	4351.9	4355.0
37.5°	3673.2	3660.7	3666.9	3676.2	3707.2	3747.5	3784.7	3840.4	3877.7	3914.9	3949.0
40°	2867.2	2876.5	2901.3	2957.0	3037.7	3127.6	3211.3	3316.7	3422.1	3496.5	3564.6
42.5°	2163.6	2191.5	2253.4	2334.0	2455.0	2588.2	2718.4	2873.3	3000.5	3124.4	3211.3
45°	1627.3	1664.5	1745.1	1856.7	1989.9	2145.0	2309.3	2482.8	2634.7	2761.8	2857.9
47.5°	1267.8	1301.9	1382.5	1500.3	1664.5	1825.7	1996.2	2176.0	2334.0	2458.0	2541.7
50°	1001.2	1044.5	1115.9	1239.9	1404.2	1574.6	1751.4	1927.9	2076.8	2182.2	2256.6
52.5°	787.3	827.6	895.8	1026.0	1193.4	1363.9	1528.1	1701.7	1831.9	1934.2	1983.8
55°	610.6	647.9	719.1	827.6	985.7	1153.1	1317.3	1466.2	1587.0	1661.4	1708.0
57.5°	464.9	492.9	542.5	650.9	793.6	948.5	1088.0	1236.8	1329.8	1382.5	1413.4
60°	353.4	375.1	427.8	511.5	641.6	774.9	892.7	1004.3	1078.7	1122.1	1153.1
62.5°	266.5	291.4	328.5	399.8	499.0	607.6	706.7	790.4	852.4	880.3	902.0
65°	182.8	201.5	229.4	285.2	368.8	446.3	523.9	585.9	626.2	657.2	669.6
67.5°	136.4	148.8	164.3	207.7	266.5	328.5	381.2	424.6	468.1	480.5	502.2
70°	102.3	111.6	127.1	158.1	192.1	235.5	279.0	303.8	334.8	356.5	362.7
72.5°	65.1	68.1	83.7	102.3	130.1	158.1	186.0	207.7	226.3	238.7	244.8
75°	37.3	55.8	55.8	74.4	93.0	105.4	124.0	139.4	148.8	158.1	158.1
77.5°	24.8	34.1	37.3	46.4	55.8	71.3	86.8	96.1	105.4	108.4	108.4
80°	21.7	24.8	24.8	34.1	40.3	52.7	62.0	65.1	71.3	74.4	80.6
82.5°	9.3	12.4	15.4	24.8	27.9	27.9	37.3	40.3	46.4	49.6	49.6
85°	3.1	6.3	6.3	9.3	15.4	18.6	21.7	24.8	27.9	27.9	31.0
87.5°	3.1	3.1	0.0	3.1	6.3	6.3	12.4	12.4	12.4	18.6	18.6
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: P249005

CATALOG NUMBER: LSR8B100D010 EC8B100840 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	6348.1	6348.1	6348.1	6348.1	6348.1	6348.1	6348.1
2.5°	6292.3	6295.4	6283.0	6280.0	6273.7	6276.8	6283.0
5°	6177.6	6180.7	6168.3	6156.0	6156.0	6152.8	6156.0
7.5°	6069.1	6072.3	6053.6	6047.4	6035.0	6038.2	6038.2
10°	5960.6	5960.6	5932.8	5929.6	5920.3	5917.2	5917.2
12.5°	5855.2	5845.9	5824.2	5811.9	5818.1	5799.5	5799.5
15°	5762.2	5746.8	5718.8	5709.5	5694.1	5687.8	5687.8
17.5°	5666.2	5653.8	5629.0	5610.4	5591.8	5588.7	5591.8
20°	5573.1	5560.8	5529.8	5517.4	5502.0	5502.0	5495.7
22.5°	5480.1	5467.8	5439.9	5430.6	5408.9	5408.9	5412.0
25°	5384.1	5374.8	5343.8	5337.6	5334.6	5322.1	5328.3
27.5°	5253.9	5247.7	5222.9	5213.6	5201.2	5198.2	5204.3
30°	5015.2	5005.9	4987.4	4978.1	4956.4	4959.5	4965.6
32.5°	4717.7	4705.3	4680.4	4671.1	4652.6	4646.4	4649.4
35°	4345.8	4336.5	4314.8	4314.8	4296.2	4289.9	4296.2
37.5°	3967.6	3976.8	3967.6	3976.8	3967.6	3964.4	3967.6
40°	3611.2	3645.2	3651.3	3685.5	3673.2	3691.7	3688.6
42.5°	3270.1	3325.9	3347.7	3375.5	3369.4	3381.8	3391.1
45°	2926.0	2972.6	2994.3	3012.9	3016.0	3022.2	3025.3
47.5°	2600.6	2637.8	2640.9	2662.6	2659.5	2659.5	2668.8
50°	2296.9	2321.7	2327.8	2343.3	2331.0	2324.7	2327.8
52.5°	2014.8	2039.6	2033.3	2039.6	2024.1	2017.9	2020.9
55°	1726.5	1738.8	1738.8	1738.8	1720.3	1720.3	1720.3
57.5°	1432.0	1435.2	1428.9	1432.0	1428.9	1410.3	1407.3
60°	1162.4	1162.4	1159.2	1162.4	1153.1	1143.8	1143.8
62.5°	908.1	914.4	926.8	914.4	908.1	914.4	905.1
65°	678.9	691.3	688.1	694.3	691.3	691.3	685.0
67.5°	511.5	514.5	517.6	520.8	520.8	520.8	520.8
70°	375.1	384.4	381.2	381.2	381.2	381.2	399.8
72.5°	251.1	263.5	260.4	266.5	266.5	272.8	266.5
75°	170.5	182.8	176.7	186.0	182.8	176.7	192.1
77.5°	114.7	121.0	124.0	127.1	124.0	121.0	124.0
80°	80.6	86.8	83.7	86.8	86.8	86.8	89.9
82.5°	49.6	58.9	55.8	58.9	55.8	58.9	58.9
85°	34.1	37.3	31.0	37.3	34.1	34.1	40.3
87.5°	21.7	18.6	18.6	21.7	18.6	21.7	18.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)