

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: P248690

Luminaire Tested: **LSR8B100D010 EC8B100850 8LBSW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248690
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 EC8B100850 8LBSW0WMH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT- CYLINDEC
80 CRI 5000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10922.0 lumens
Efficiency: N/A
Efficacy: 102.7 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.23 / 1.15
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

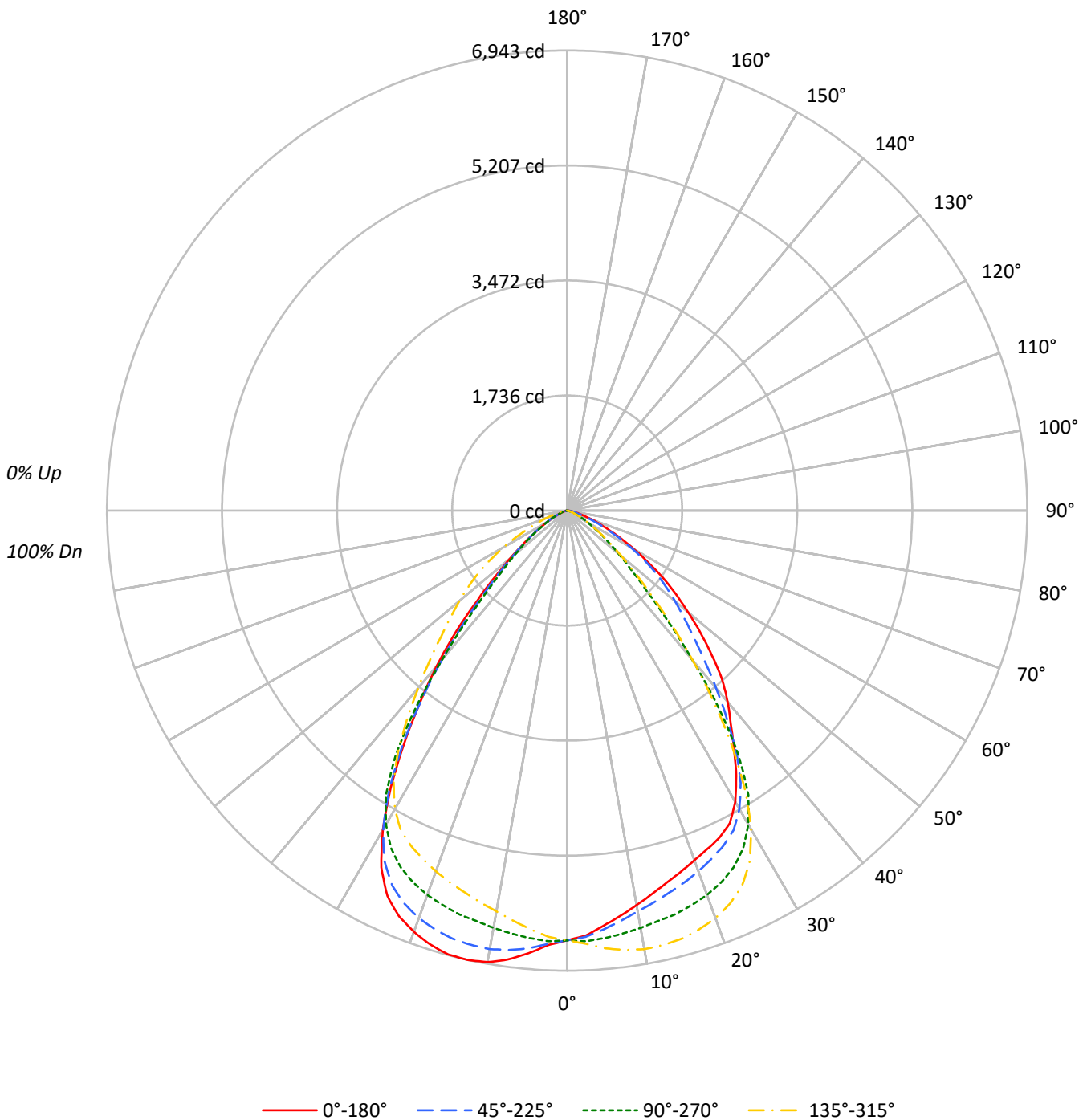
Input Watts (W): 106.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20					
RC	80					70					50					30					10					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	90					90			
2	105	99	94	89	102	97	92	88	93	90	86	90	87	84	87	85	83	81					81			
3	98	90	83	78	95	88	82	78	85	80	76	83	79	75	80	77	74	72					72			
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	65					65			
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58					58			
6	80	69	61	56	78	68	61	56	66	60	55	65	59	55	63	58	55	53					53			
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48					48			
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	55	49	46	44					44			
9	66	54	47	42	65	54	47	42	53	47	42	52	46	42	51	46	42	40					40			
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	37					37			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	199943	199943	199943	199943
5°	194633	200412	207569	200412
10°	189250	200153	216607	200153
15°	185469	201339	221349	201339
20°	184206	202490	221920	202490
25°	185173	202086	218353	202086
30°	180594	194687	198187	194687
35°	165190	169836	161136	169836
40°	151661	118141	123370	118141
45°	134757	72073	83394	72073
50°	114060	48145	53466	48145
55°	94470	32854	34725	32854
60°	72052	21869	22060	21869
65°	51054	13623	12477	13623
70°	36821	9133	8286	9133
75°	23388	4539	3777	4539
80°	16320	3374	2806	3374
85°	14577	0	1097	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	617.2	5.7
10°-20°	1787.2	16.4
20°-30°	2706.2	24.8
30°-40°	2712.2	24.8
40°-50°	1703.2	15.6
50°-60°	907.6	8.3
60°-70°	373.2	3.4
70°-80°	98.6	0.9
80°-90°	16.7	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°	5110.5	46.8
0°-40°	7822.7	71.6
0°-60°	10433.5	95.5
0°-90°	10922.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10922.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	6484	6484	6484	6484	6484	
5°	6288	6474	6706	6474	6288	593
15°	5810	6307	6934	6307	5810	1643
25°	5442	5940	6418	5940	5442	2496
35°	4388	4512	4280	4512	4388	2749
45°	3090	1653	1912	1653	3090	2377
55°	1757	611	646	611	1757	1567
65°	700	187	171	187	700	726
75°	196	38	32	38	196	222
85°	41	0	3	0	41	45
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°	6484.0	6484.0	6484.0	6484.0	6484.0	6484.0	6484.0	6484.0	6484.0	6484.0	6484.0
2.5°	6417.6	6411.2	6408.1	6414.5	6417.6	6430.2	6427.1	6433.4	6433.4	6436.6	6442.9
5°	6287.8	6284.5	6287.8	6287.8	6300.4	6313.1	6309.9	6319.5	6325.7	6341.6	6347.9
7.5°	6167.5	6167.5	6164.2	6176.9	6183.3	6202.3	6199.0	6214.9	6224.5	6240.2	6262.4
10°	6044.0	6044.0	6047.1	6056.6	6059.9	6088.3	6088.3	6110.4	6123.1	6139.0	6167.5
12.5°	5923.7	5923.7	5942.7	5936.3	5949.0	5971.1	5980.6	6002.8	6021.8	6053.5	6082.0
15°	5809.7	5809.7	5816.0	5831.8	5841.3	5869.9	5885.6	5911.0	5933.2	5964.9	6006.0
17.5°	5711.5	5708.4	5711.5	5730.6	5749.6	5774.9	5787.5	5819.2	5841.3	5882.5	5920.6
20°	5613.4	5619.8	5619.8	5635.6	5648.2	5679.9	5692.5	5727.4	5752.7	5790.6	5835.1
22.5°	5527.9	5524.8	5524.8	5546.9	5556.5	5584.9	5597.5	5629.2	5657.7	5689.4	5730.6
25°	5442.4	5436.0	5448.8	5451.9	5458.2	5489.9	5499.4	5521.5	5550.1	5578.6	5619.8
27.5°	5315.8	5309.5	5312.6	5325.3	5334.8	5360.1	5366.4	5388.6	5410.8	5436.0	5471.0
30°	5071.9	5065.7	5062.5	5084.7	5094.2	5113.1	5122.6	5160.7	5166.9	5195.5	5220.8
32.5°	4749.0	4745.9	4752.3	4771.2	4780.7	4806.1	4818.7	4840.9	4856.6	4872.5	4897.8
35°	4388.2	4381.8	4388.2	4407.2	4407.2	4429.3	4438.9	4448.2	4445.1	4448.2	4442.0
37.5°	4052.6	4049.3	4052.6	4062.0	4052.6	4062.0	4052.6	4033.6	3998.8	3960.7	3922.7
40°	3767.6	3770.7	3751.8	3764.5	3729.5	3723.3	3688.5	3640.9	3571.3	3495.4	3387.7
42.5°	3463.7	3454.2	3441.5	3447.8	3419.4	3397.1	3340.2	3280.1	3191.3	3064.8	2934.9
45°	3090.1	3086.9	3080.6	3077.4	3058.4	3036.3	2988.7	2919.1	2821.0	2691.2	2536.0
47.5°	2726.0	2716.5	2716.5	2719.6	2697.4	2694.3	2656.2	2596.2	2510.7	2384.0	2222.6
50°	2377.6	2374.5	2380.9	2393.5	2377.6	2371.4	2346.1	2304.9	2228.9	2121.3	1969.2
52.5°	2064.2	2061.1	2067.5	2083.2	2076.9	2083.2	2058.0	2026.3	1975.6	1871.1	1738.2
55°	1757.2	1757.2	1757.2	1776.1	1776.1	1776.1	1763.4	1744.6	1697.0	1621.0	1497.6
57.5°	1437.4	1440.5	1459.5	1462.7	1459.5	1465.9	1462.7	1443.7	1412.1	1358.3	1263.3
60°	1168.3	1168.3	1177.8	1187.3	1184.1	1187.3	1187.3	1177.8	1146.1	1101.8	1025.9
62.5°	924.5	934.0	927.6	934.0	946.6	934.0	927.6	921.3	899.2	870.6	807.3
65°	699.7	706.1	706.1	709.2	702.8	706.1	693.4	683.9	671.3	639.6	598.4
67.5°	532.0	532.0	532.0	532.0	528.7	525.6	522.4	512.9	490.8	478.1	433.7
70°	408.4	389.4	389.4	389.4	389.4	392.6	383.1	370.5	364.1	342.0	310.3
72.5°	272.2	278.6	272.2	272.2	266.0	269.1	256.5	250.1	243.8	231.2	212.2
75°	196.3	180.5	186.7	190.0	180.5	186.7	174.1	161.5	161.5	151.9	142.4
77.5°	126.7	123.5	126.7	129.8	126.7	123.5	117.2	110.8	110.8	107.6	98.1
80°	91.9	88.6	88.6	88.6	85.5	88.6	82.4	82.4	76.0	72.8	66.5
82.5°	60.2	60.2	56.9	60.2	56.9	60.2	50.7	50.7	50.7	47.4	41.2
85°	41.2	34.8	34.8	38.1	31.7	38.1	34.8	31.7	28.5	28.5	25.3
87.5°	19.0	22.2	19.0	22.2	19.0	19.0	22.2	19.0	19.0	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



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	6484.0	6484.0	6484.0	6484.0	6484.0	6484.0	6484.0	6484.0	6484.0	6484.0	6484.0
2.5°	6452.4	6455.5	6455.5	6468.3	6474.5	6477.7	6477.7	6503.1	6493.6	6499.9	6506.2
5°	6360.6	6379.5	6385.9	6385.9	6420.7	6433.4	6446.0	6474.5	6477.7	6496.7	6518.8
7.5°	6271.9	6294.0	6306.8	6335.2	6357.4	6379.5	6417.6	6436.6	6455.5	6480.9	6509.3
10°	6186.4	6211.8	6237.1	6259.2	6294.0	6322.6	6347.9	6392.2	6414.5	6449.3	6487.2
12.5°	6104.2	6139.0	6161.1	6199.0	6237.1	6262.4	6300.4	6341.6	6376.4	6411.2	6455.5
15°	6031.3	6072.5	6097.8	6139.0	6180.1	6214.9	6256.1	6306.8	6332.1	6373.3	6414.5
17.5°	5952.1	5996.5	6028.2	6066.1	6116.8	6154.7	6189.7	6240.2	6271.9	6316.2	6363.8
20°	5869.9	5914.2	5952.1	5990.1	6040.8	6078.8	6119.9	6170.6	6205.4	6249.7	6287.8
22.5°	5771.7	5812.9	5854.0	5898.3	5949.0	5980.6	6028.2	6072.5	6110.4	6151.6	6189.7
25°	5645.1	5695.8	5727.4	5768.5	5809.7	5844.5	5895.1	5939.5	5971.1	6009.2	6044.0
27.5°	5496.2	5534.3	5559.6	5594.4	5635.6	5667.2	5705.1	5749.6	5781.2	5816.0	5841.3
30°	5242.9	5277.8	5300.0	5325.3	5366.4	5395.0	5426.7	5467.7	5489.9	5515.3	5537.4
32.5°	4910.5	4939.0	4951.6	4970.7	4999.2	5027.6	5053.0	5087.8	5097.3	5113.1	5113.1
35°	4429.3	4435.6	4432.5	4438.9	4451.5	4467.3	4489.4	4511.6	4524.2	4524.2	4514.8
37.5°	3865.7	3827.8	3786.6	3754.9	3745.4	3739.1	3751.8	3761.2	3774.0	3780.2	3764.5
40°	3280.1	3194.6	3102.7	3020.4	2963.4	2938.1	2928.6	2934.9	2934.9	2957.0	2957.0
42.5°	2776.7	2643.6	2507.6	2384.0	2301.7	2238.5	2209.9	2209.9	2213.0	2228.9	2238.5
45°	2358.7	2190.9	2032.6	1896.5	1782.5	1700.1	1662.2	1652.7	1649.6	1655.8	1678.0
47.5°	2038.9	1864.8	1700.1	1532.4	1412.1	1329.8	1295.0	1282.2	1269.5	1282.2	1285.4
50°	1788.9	1608.4	1434.3	1266.4	1139.8	1066.9	1022.6	1003.6	1000.4	1000.4	1006.8
52.5°	1560.8	1393.1	1219.0	1048.0	915.0	845.4	804.2	794.7	782.0	794.7	794.7
55°	1345.5	1177.8	1006.8	845.4	734.5	661.7	623.7	611.1	604.7	614.2	614.2
57.5°	1111.3	968.8	810.6	664.9	554.1	503.4	474.9	459.1	455.8	462.2	455.8
60°	911.8	791.5	655.4	522.4	437.0	383.1	361.0	354.6	348.2	354.6	354.6
62.5°	721.8	620.6	509.7	408.4	335.6	297.6	272.2	272.2	269.1	269.1	272.2
65°	535.1	455.8	376.7	291.3	234.3	205.8	186.7	186.7	183.6	186.7	183.6
67.5°	389.4	335.6	272.2	212.2	167.8	151.9	139.3	129.8	136.2	129.8	126.7
70°	285.0	240.6	196.3	161.5	129.8	114.0	104.5	101.3	95.0	95.0	95.0
72.5°	190.0	161.5	132.9	104.5	85.5	69.6	66.5	60.2	53.8	56.9	63.3
75°	126.7	107.6	95.0	76.0	56.9	56.9	38.1	38.1	31.7	38.1	28.5
77.5°	88.6	72.8	56.9	47.4	38.1	34.8	25.3	25.3	22.2	22.2	22.2
80°	63.3	53.8	41.2	34.8	25.3	25.3	22.2	19.0	15.8	15.8	19.0
82.5°	38.1	28.5	28.5	25.3	15.8	12.6	9.5	12.6	6.4	6.4	6.4
85°	22.2	19.0	15.8	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



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	6484.0	6484.0	6484.0	6484.0	6484.0	6484.0	6484.0	6484.0	6484.0	6484.0	6484.0
2.5°	6522.1	6518.8	6525.2	6525.2	6544.3	6541.0	6550.5	6550.5	6544.3	6547.4	6560.0
5°	6544.3	6553.8	6572.7	6588.6	6617.0	6629.7	6645.5	6661.4	6664.5	6674.0	6683.6
7.5°	6544.3	6575.9	6598.1	6626.5	6664.5	6686.7	6721.5	6750.0	6762.7	6778.4	6797.5
10°	6531.5	6563.1	6604.3	6636.0	6683.6	6718.4	6753.1	6797.5	6816.5	6841.8	6867.2
12.5°	6506.2	6541.0	6585.3	6626.5	6680.3	6712.0	6756.3	6797.5	6826.0	6860.8	6889.3
15°	6468.3	6509.3	6550.5	6591.7	6648.6	6686.7	6727.9	6775.3	6803.8	6841.8	6867.2
17.5°	6408.1	6452.4	6490.4	6528.4	6582.2	6626.5	6664.5	6708.8	6737.4	6769.0	6803.8
20°	6335.2	6376.4	6417.6	6449.3	6503.1	6541.0	6582.2	6623.4	6645.5	6651.9	6705.7
22.5°	6243.5	6271.9	6303.6	6354.2	6385.9	6420.7	6458.8	6496.7	6518.8	6553.8	6572.7
25°	6091.4	6119.9	6154.7	6176.9	6214.9	6243.5	6281.4	6322.6	6335.2	6360.6	6379.5
27.5°	5879.4	5895.1	5911.0	5929.9	5952.1	5968.0	5990.1	6009.2	6021.8	6034.5	6047.1
30°	5543.7	5543.7	5543.7	5531.0	5540.6	5550.1	5553.2	5550.1	5550.1	5546.9	5546.9
32.5°	5100.5	5075.2	5046.7	5021.4	5011.9	4999.2	4992.8	4983.3	4967.5	4958.0	4961.2
35°	4502.1	4445.1	4410.3	4378.6	4353.4	4334.3	4324.8	4315.3	4312.2	4299.5	4286.8
37.5°	3754.9	3713.8	3688.5	3669.5	3647.3	3628.3	3631.4	3634.7	3644.1	3637.8	3640.9
40°	2963.4	2953.9	2963.4	2941.3	2934.9	2941.3	2957.0	2979.3	2991.9	3004.6	3026.7
42.5°	2254.2	2270.0	2292.3	2292.3	2301.7	2314.4	2333.3	2368.2	2387.1	2409.3	2434.7
45°	1697.0	1716.0	1744.6	1753.9	1760.3	1776.1	1798.4	1826.8	1839.4	1858.4	1880.6
47.5°	1307.6	1320.2	1336.0	1351.9	1367.7	1374.1	1396.2	1396.2	1412.1	1424.8	1431.0
50°	1019.5	1032.1	1044.8	1054.3	1060.6	1070.2	1076.4	1085.9	1089.1	1095.4	1098.6
52.5°	797.8	813.7	813.7	820.0	829.5	839.0	835.9	839.0	842.1	842.1	851.6
55°	623.7	623.7	633.2	633.2	639.6	636.3	639.6	639.6	639.6	639.6	642.7
57.5°	465.4	468.6	478.1	471.7	468.6	474.9	468.6	474.9	471.7	478.1	468.6
60°	357.7	357.7	361.0	361.0	364.1	364.1	364.1	361.0	361.0	357.7	357.7
62.5°	269.1	272.2	275.5	272.2	272.2	272.2	269.1	269.1	266.0	262.7	262.7
65°	180.5	177.4	183.6	177.4	180.5	180.5	177.4	180.5	171.0	174.1	171.0
67.5°	129.8	126.7	123.5	126.7	123.5	120.3	120.3	123.5	126.7	117.2	117.2
70°	85.5	88.6	85.5	88.6	91.9	91.9	88.6	85.5	88.6	82.4	85.5
72.5°	53.8	53.8	53.8	53.8	53.8	56.9	56.9	56.9	50.7	50.7	47.4
75°	25.3	34.8	28.5	25.3	34.8	34.8	31.7	31.7	28.5	28.5	28.5
77.5°	25.3	19.0	19.0	19.0	19.0	19.0	19.0	19.0	15.8	19.0	15.8
80°	12.6	12.6	12.6	9.5	12.6	12.6	15.8	12.6	12.6	9.5	15.8
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: P248690

CATALOG NUMBER: LSR8B100D010 EC8B100850 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	6484.0	6484.0	6484.0	6484.0	6484.0	6484.0	6484.0	6484.0	6484.0	6484.0	6484.0
2.5°	6556.9	6553.8	6556.9	6560.0	6556.9	6553.8	6556.9	6560.0	6547.4	6544.3	6550.5
5°	6696.2	6696.2	6702.5	6705.7	6702.5	6696.2	6696.2	6683.6	6674.0	6664.5	6661.4
7.5°	6816.5	6822.9	6829.1	6832.3	6829.1	6822.9	6816.5	6797.5	6778.4	6762.7	6750.0
10°	6889.3	6898.8	6911.5	6917.7	6911.5	6898.8	6889.3	6867.2	6841.8	6816.5	6797.5
12.5°	6921.0	6930.5	6946.3	6943.2	6946.3	6930.5	6921.0	6889.3	6860.8	6826.0	6797.5
15°	6898.8	6911.5	6927.3	6933.6	6927.3	6911.5	6898.8	6867.2	6841.8	6803.8	6775.3
17.5°	6829.1	6848.2	6857.7	6867.2	6857.7	6848.2	6829.1	6803.8	6769.0	6737.4	6708.8
20°	6734.1	6746.9	6759.5	6762.7	6759.5	6746.9	6734.1	6705.7	6651.9	6645.5	6623.4
22.5°	6598.1	6607.6	6636.0	6626.5	6636.0	6607.6	6598.1	6572.7	6553.8	6518.8	6496.7
25°	6401.7	6411.2	6414.5	6417.6	6414.5	6411.2	6401.7	6379.5	6360.6	6335.2	6322.6
27.5°	6063.0	6063.0	6069.2	6072.5	6069.2	6063.0	6063.0	6047.1	6034.5	6021.8	6009.2
30°	5550.1	5550.1	5550.1	5566.0	5550.1	5550.1	5550.1	5546.9	5546.9	5550.1	5550.1
32.5°	4958.0	4951.6	4945.4	4951.6	4945.4	4951.6	4958.0	4961.2	4958.0	4967.5	4983.3
35°	4286.8	4283.6	4293.2	4280.5	4293.2	4283.6	4286.8	4286.8	4299.5	4312.2	4315.3
37.5°	3644.1	3637.8	3650.4	3637.8	3650.4	3637.8	3644.1	3640.9	3637.8	3644.1	3634.7
40°	3033.1	3039.4	3039.4	3064.8	3039.4	3039.4	3033.1	3026.7	3004.6	2991.9	2979.3
42.5°	2447.4	2466.4	2460.0	2479.0	2460.0	2466.4	2447.4	2434.7	2409.3	2387.1	2368.2
45°	1893.2	1906.0	1906.0	1912.3	1906.0	1906.0	1893.2	1880.6	1858.4	1839.4	1826.8
47.5°	1453.2	1453.2	1453.2	1456.4	1453.2	1453.2	1453.2	1431.0	1424.8	1412.1	1396.2
50°	1105.0	1108.1	1111.3	1114.5	1111.3	1108.1	1105.0	1098.6	1095.4	1089.1	1085.9
52.5°	848.5	851.6	845.4	851.6	845.4	851.6	848.5	851.6	842.1	842.1	839.0
55°	642.7	639.6	642.7	645.9	642.7	639.6	642.7	642.7	639.6	639.6	639.6
57.5°	471.7	465.4	465.4	465.4	465.4	465.4	471.7	468.6	478.1	471.7	474.9
60°	351.5	354.6	354.6	357.7	354.6	354.6	351.5	357.7	357.7	361.0	361.0
62.5°	259.6	269.1	262.7	269.1	262.7	269.1	259.6	262.7	262.7	266.0	269.1
65°	167.8	167.8	167.8	171.0	167.8	167.8	167.8	171.0	174.1	171.0	180.5
67.5°	114.0	117.2	123.5	120.3	123.5	117.2	114.0	117.2	117.2	126.7	123.5
70°	91.9	82.4	82.4	91.9	82.4	82.4	91.9	85.5	82.4	88.6	85.5
72.5°	53.8	47.4	53.8	53.8	53.8	47.4	53.8	47.4	50.7	50.7	56.9
75°	28.5	25.3	22.2	31.7	22.2	25.3	28.5	28.5	28.5	28.5	31.7
77.5°	19.0	15.8	22.2	22.2	22.2	15.8	19.0	15.8	19.0	15.8	19.0
80°	9.5	12.6	9.5	15.8	9.5	12.6	9.5	15.8	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: P248690

CATALOG NUMBER: LSR8B100D010 EC8B100850 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	6484.0	6484.0	6484.0	6484.0	6484.0	6484.0	6484.0	6484.0	6484.0	6484.0	6484.0
2.5°	6550.5	6541.0	6544.3	6525.2	6525.2	6518.8	6522.1	6506.2	6499.9	6493.6	6503.1
5°	6645.5	6629.7	6617.0	6588.6	6572.7	6553.8	6544.3	6518.8	6496.7	6477.7	6474.5
7.5°	6721.5	6686.7	6664.5	6626.5	6598.1	6575.9	6544.3	6509.3	6480.9	6455.5	6436.6
10°	6753.1	6718.4	6683.6	6636.0	6604.3	6563.1	6531.5	6487.2	6449.3	6414.5	6392.2
12.5°	6756.3	6712.0	6680.3	6626.5	6585.3	6541.0	6506.2	6455.5	6411.2	6376.4	6341.6
15°	6727.9	6686.7	6648.6	6591.7	6550.5	6509.3	6468.3	6414.5	6373.3	6332.1	6306.8
17.5°	6664.5	6626.5	6582.2	6528.4	6490.4	6452.4	6408.1	6363.8	6316.2	6271.9	6240.2
20°	6582.2	6541.0	6503.1	6449.3	6417.6	6376.4	6335.2	6287.8	6249.7	6205.4	6170.6
22.5°	6458.8	6420.7	6385.9	6354.2	6303.6	6271.9	6243.5	6189.7	6151.6	6110.4	6072.5
25°	6281.4	6243.5	6214.9	6176.9	6154.7	6119.9	6091.4	6044.0	6009.2	5971.1	5939.5
27.5°	5990.1	5968.0	5952.1	5929.9	5911.0	5895.1	5879.4	5841.3	5816.0	5781.2	5749.6
30°	5553.2	5550.1	5540.6	5531.0	5543.7	5543.7	5543.7	5537.4	5515.3	5489.9	5467.7
32.5°	4992.8	4999.2	5011.9	5021.4	5046.7	5075.2	5100.5	5113.1	5113.1	5097.3	5087.8
35°	4324.8	4334.3	4353.4	4378.6	4410.3	4445.1	4502.1	4514.8	4524.2	4524.2	4511.6
37.5°	3631.4	3628.3	3647.3	3669.5	3688.5	3713.8	3754.9	3764.5	3780.2	3774.0	3761.2
40°	2957.0	2941.3	2934.9	2941.3	2963.4	2953.9	2963.4	2957.0	2957.0	2934.9	2934.9
42.5°	2333.3	2314.4	2301.7	2292.3	2292.3	2270.0	2254.2	2238.5	2228.9	2213.0	2209.9
45°	1798.4	1776.1	1760.3	1753.9	1744.6	1716.0	1697.0	1678.0	1655.8	1649.6	1652.7
47.5°	1396.2	1374.1	1367.7	1351.9	1336.0	1320.2	1307.6	1285.4	1282.2	1269.5	1282.2
50°	1076.4	1070.2	1060.6	1054.3	1044.8	1032.1	1019.5	1006.8	1000.4	1000.4	1003.6
52.5°	835.9	839.0	829.5	820.0	813.7	813.7	797.8	794.7	794.7	782.0	794.7
55°	639.6	636.3	639.6	633.2	633.2	623.7	623.7	614.2	614.2	604.7	611.1
57.5°	468.6	474.9	468.6	471.7	478.1	468.6	465.4	455.8	462.2	455.8	459.1
60°	364.1	364.1	364.1	361.0	361.0	357.7	357.7	354.6	354.6	348.2	354.6
62.5°	269.1	272.2	272.2	272.2	275.5	272.2	269.1	272.2	269.1	269.1	272.2
65°	177.4	180.5	180.5	177.4	183.6	177.4	180.5	183.6	186.7	183.6	186.7
67.5°	120.3	120.3	123.5	126.7	123.5	126.7	129.8	126.7	129.8	136.2	129.8
70°	88.6	91.9	91.9	88.6	85.5	88.6	85.5	95.0	95.0	95.0	101.3
72.5°	56.9	56.9	53.8	53.8	53.8	53.8	53.8	63.3	56.9	53.8	60.2
75°	31.7	34.8	34.8	25.3	28.5	34.8	25.3	28.5	38.1	31.7	38.1
77.5°	19.0	19.0	19.0	19.0	19.0	19.0	25.3	22.2	22.2	22.2	25.3
80°	15.8	12.6	12.6	9.5	12.6	12.6	12.6	19.0	15.8	15.8	19.0
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: P248690

CATALOG NUMBER: LSR8B100D010 EC8B100850 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	6484.0	6484.0	6484.0	6484.0	6484.0	6484.0	6484.0	6484.0	6484.0	6484.0	6484.0
2.5°	6477.7	6477.7	6474.5	6468.3	6455.5	6455.5	6452.4	6442.9	6436.6	6433.4	6433.4
5°	6446.0	6433.4	6420.7	6385.9	6385.9	6379.5	6360.6	6347.9	6341.6	6325.7	6319.5
7.5°	6417.6	6379.5	6357.4	6335.2	6306.8	6294.0	6271.9	6262.4	6240.2	6224.5	6214.9
10°	6347.9	6322.6	6294.0	6259.2	6237.1	6211.8	6186.4	6167.5	6139.0	6123.1	6110.4
12.5°	6300.4	6262.4	6237.1	6199.0	6161.1	6139.0	6104.2	6082.0	6053.5	6021.8	6002.8
15°	6256.1	6214.9	6180.1	6139.0	6097.8	6072.5	6031.3	6006.0	5964.9	5933.2	5911.0
17.5°	6189.7	6154.7	6116.8	6066.1	6028.2	5996.5	5952.1	5920.6	5882.5	5841.3	5819.2
20°	6119.9	6078.8	6040.8	5990.1	5952.1	5914.2	5869.9	5835.1	5790.6	5752.7	5727.4
22.5°	6028.2	5980.6	5949.0	5898.3	5854.0	5812.9	5771.7	5730.6	5689.4	5657.7	5629.2
25°	5895.1	5844.5	5809.7	5768.5	5727.4	5695.8	5645.1	5619.8	5578.6	5550.1	5521.5
27.5°	5705.1	5667.2	5635.6	5594.4	5559.6	5534.3	5496.2	5471.0	5436.0	5410.8	5388.6
30°	5426.7	5395.0	5366.4	5325.3	5300.0	5277.8	5242.9	5220.8	5195.5	5166.9	5160.7
32.5°	5053.0	5027.6	4999.2	4970.7	4951.6	4939.0	4910.5	4897.8	4872.5	4856.6	4840.9
35°	4489.4	4467.3	4451.5	4438.9	4432.5	4435.6	4429.3	4442.0	4448.2	4445.1	4448.2
37.5°	3751.8	3739.1	3745.4	3754.9	3786.6	3827.8	3865.7	3922.7	3960.7	3998.8	4033.6
40°	2928.6	2938.1	2963.4	3020.4	3102.7	3194.6	3280.1	3387.7	3495.4	3571.3	3640.9
42.5°	2209.9	2238.5	2301.7	2384.0	2507.6	2643.6	2776.7	2934.9	3064.8	3191.3	3280.1
45°	1662.2	1700.1	1782.5	1896.5	2032.6	2190.9	2358.7	2536.0	2691.2	2821.0	2919.1
47.5°	1295.0	1329.8	1412.1	1532.4	1700.1	1864.8	2038.9	2222.6	2384.0	2510.7	2596.2
50°	1022.6	1066.9	1139.8	1266.4	1434.3	1608.4	1788.9	1969.2	2121.3	2228.9	2304.9
52.5°	804.2	845.4	915.0	1048.0	1219.0	1393.1	1560.8	1738.2	1871.1	1975.6	2026.3
55°	623.7	661.7	734.5	845.4	1006.8	1177.8	1345.5	1497.6	1621.0	1697.0	1744.6
57.5°	474.9	503.4	554.1	664.9	810.6	968.8	1111.3	1263.3	1358.3	1412.1	1443.7
60°	361.0	383.1	437.0	522.4	655.4	791.5	911.8	1025.9	1101.8	1146.1	1177.8
62.5°	272.2	297.6	335.6	408.4	509.7	620.6	721.8	807.3	870.6	899.2	921.3
65°	186.7	205.8	234.3	291.3	376.7	455.8	535.1	598.4	639.6	671.3	683.9
67.5°	139.3	151.9	167.8	212.2	272.2	335.6	389.4	433.7	478.1	490.8	512.9
70°	104.5	114.0	129.8	161.5	196.3	240.6	285.0	310.3	342.0	364.1	370.5
72.5°	66.5	69.6	85.5	104.5	132.9	161.5	190.0	212.2	231.2	243.8	250.1
75°	38.1	56.9	56.9	76.0	95.0	107.6	126.7	142.4	151.9	161.5	161.5
77.5°	25.3	34.8	38.1	47.4	56.9	72.8	88.6	98.1	107.6	110.8	110.8
80°	22.2	25.3	25.3	34.8	41.2	53.8	63.3	66.5	72.8	76.0	82.4
82.5°	9.5	12.6	15.8	25.3	28.5	28.5	38.1	41.2	47.4	50.7	50.7
85°	3.1	6.4	6.4	9.5	15.8	19.0	22.2	25.3	28.5	28.5	31.7
87.5°	3.1	3.1	0.0	3.1	6.4	6.4	12.6	12.6	12.6	19.0	19.0
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: P248690

CATALOG NUMBER: LSR8B100D010 EC8B100850 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	6484.0	6484.0	6484.0	6484.0	6484.0	6484.0	6484.0
2.5°	6427.1	6430.2	6417.6	6414.5	6408.1	6411.2	6417.6
5°	6309.9	6313.1	6300.4	6287.8	6287.8	6284.5	6287.8
7.5°	6199.0	6202.3	6183.3	6176.9	6164.2	6167.5	6167.5
10°	6088.3	6088.3	6059.9	6056.6	6047.1	6044.0	6044.0
12.5°	5980.6	5971.1	5949.0	5936.3	5942.7	5923.7	5923.7
15°	5885.6	5869.9	5841.3	5831.8	5816.0	5809.7	5809.7
17.5°	5787.5	5774.9	5749.6	5730.6	5711.5	5708.4	5711.5
20°	5692.5	5679.9	5648.2	5635.6	5619.8	5619.8	5613.4
22.5°	5597.5	5584.9	5556.5	5546.9	5524.8	5524.8	5527.9
25°	5499.4	5489.9	5458.2	5451.9	5448.8	5436.0	5442.4
27.5°	5366.4	5360.1	5334.8	5325.3	5312.6	5309.5	5315.8
30°	5122.6	5113.1	5094.2	5084.7	5062.5	5065.7	5071.9
32.5°	4818.7	4806.1	4780.7	4771.2	4752.3	4745.9	4749.0
35°	4438.9	4429.3	4407.2	4407.2	4388.2	4381.8	4388.2
37.5°	4052.6	4062.0	4052.6	4062.0	4052.6	4049.3	4052.6
40°	3688.5	3723.3	3729.5	3764.5	3751.8	3770.7	3767.6
42.5°	3340.2	3397.1	3419.4	3447.8	3441.5	3454.2	3463.7
45°	2988.7	3036.3	3058.4	3077.4	3080.6	3086.9	3090.1
47.5°	2656.2	2694.3	2697.4	2719.6	2716.5	2716.5	2726.0
50°	2346.1	2371.4	2377.6	2393.5	2380.9	2374.5	2377.6
52.5°	2058.0	2083.2	2076.9	2083.2	2067.5	2061.1	2064.2
55°	1763.4	1776.1	1776.1	1776.1	1757.2	1757.2	1757.2
57.5°	1462.7	1465.9	1459.5	1462.7	1459.5	1440.5	1437.4
60°	1187.3	1187.3	1184.1	1187.3	1177.8	1168.3	1168.3
62.5°	927.6	934.0	946.6	934.0	927.6	934.0	924.5
65°	693.4	706.1	702.8	709.2	706.1	706.1	699.7
67.5°	522.4	525.6	528.7	532.0	532.0	532.0	532.0
70°	383.1	392.6	389.4	389.4	389.4	389.4	408.4
72.5°	256.5	269.1	266.0	272.2	272.2	278.6	272.2
75°	174.1	186.7	180.5	190.0	186.7	180.5	196.3
77.5°	117.2	123.5	126.7	129.8	126.7	123.5	126.7
80°	82.4	88.6	85.5	88.6	88.6	88.6	91.9
82.5°	50.7	60.2	56.9	60.2	56.9	60.2	60.2
85°	34.8	38.1	31.7	38.1	34.8	34.8	41.2
87.5°	22.2	19.0	19.0	22.2	19.0	22.2	19.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)