

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: P248906

Luminaire Tested: **LD8B100D010 ER8B100850 8LBSW0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248906
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: LD8B100D010 ER8B100850 8LBSW0B
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 5000 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8418.0 lumens
Efficiency: N/A
Efficacy: 79.2 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

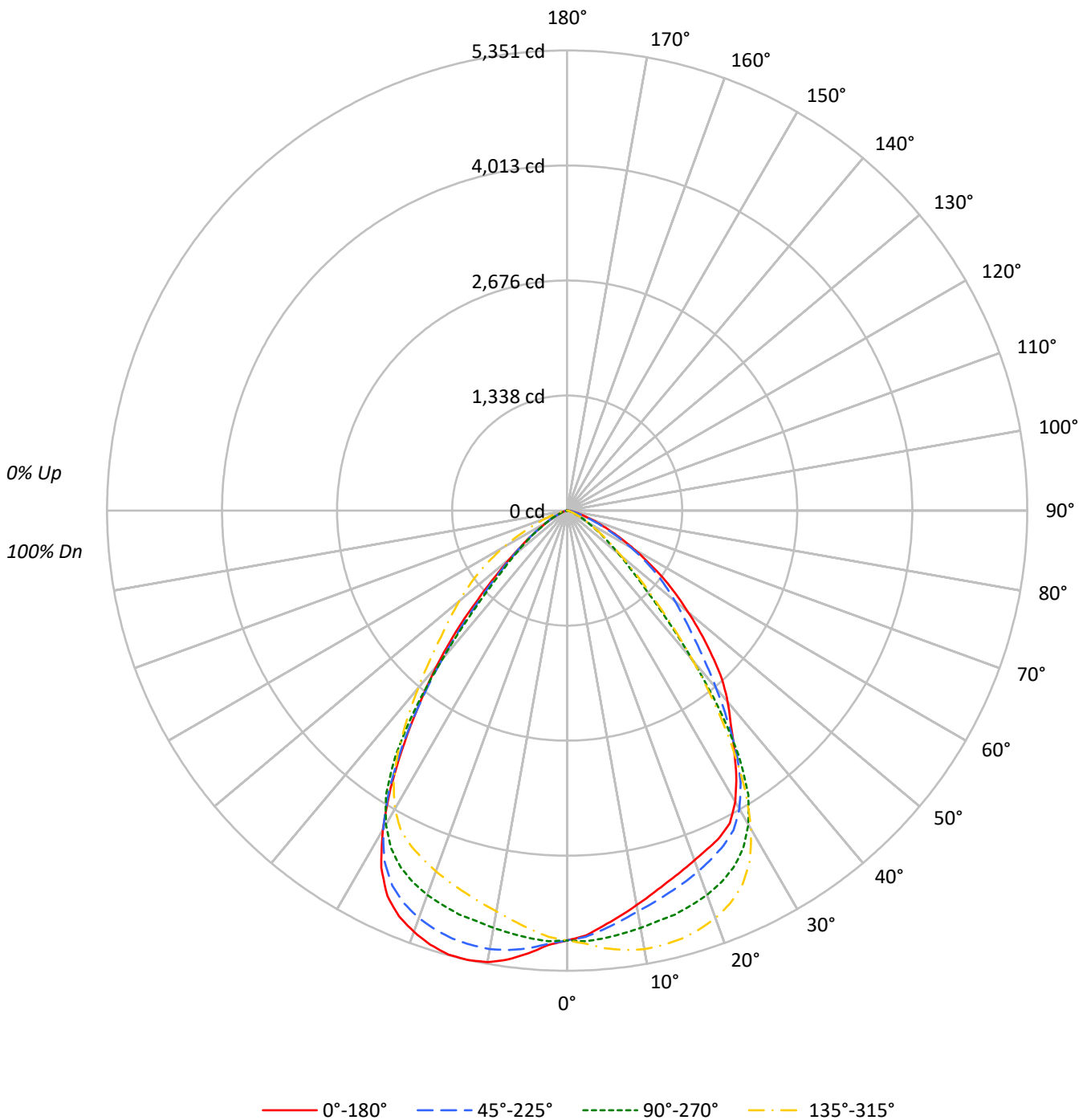
Input Watts (W): 106.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P248906

CATALOG NUMBER: LD8B100D010 ER8B100850 8LBSW0B

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°	154104	154104	154104	154104
5°	150010	154467	159980	154467
10°	145861	154265	166949	154265
15°	142947	155180	170602	155180
20°	141975	156066	171040	156066
25°	142721	155756	168293	155756
30°	139190	150054	152749	150054
35°	127316	130896	124196	130896
40°	116889	91054	95088	91054
45°	103860	55549	64276	55549
50°	87910	37107	41209	37107
55°	72809	25322	26762	25322
60°	55530	16855	17003	16855
65°	39350	10500	9617	10500
70°	28382	7032	6383	7032
75°	18026	3491	2907	3491
80°	12573	2610	2166	2610
85°	11216	0	849	0



TEST NUMBER: P248906

CATALOG NUMBER: LD8B100D010 ER8B100850 8LBSW0B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	475.7	5.7
10°-20°	1377.4	16.4
20°-30°	2085.7	24.8
30°-40°	2090.4	24.8
40°-50°	1312.7	15.6
50°-60°	699.5	8.3
60°-70°	287.7	3.4
70°-80°	76.0	0.9
80°-90°	12.8	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°	3938.9	46.8
0°-40°	6029.3	71.6
0°-60°	8041.5	95.5
0°-90°	8418.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8418.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4998	4998	4998	4998	4998	
5°	4846	4990	5168	4990	4846	457
15°	4478	4861	5344	4861	4478	1266
25°	4195	4578	4946	4578	4195	1924
35°	3382	3477	3299	3477	3382	2119
45°	2382	1274	1474	1274	2382	1832
55°	1354	471	498	471	1354	1207
65°	539	144	132	144	539	559
75°	151	29	24	29	151	171
85°	32	0	2	0	32	35
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°	4997.5	4997.5	4997.5	4997.5	4997.5	4997.5	4997.5	4997.5	4997.5	4997.5	4997.5
2.5°	4946.3	4941.4	4938.9	4943.9	4946.3	4956.0	4953.6	4958.4	4958.4	4960.9	4965.8
5°	4846.2	4843.7	4846.2	4846.2	4856.0	4865.7	4863.3	4870.6	4875.5	4887.7	4892.5
7.5°	4753.5	4753.5	4751.0	4760.8	4765.7	4780.3	4777.8	4790.1	4797.4	4809.6	4826.7
10°	4658.3	4658.3	4660.7	4668.1	4670.6	4692.5	4692.5	4709.5	4719.3	4731.5	4753.5
12.5°	4565.6	4565.6	4580.3	4575.4	4585.1	4602.2	4609.5	4626.6	4641.2	4665.6	4687.6
15°	4477.7	4477.7	4482.6	4494.8	4502.1	4524.1	4536.3	4555.9	4572.9	4597.3	4629.1
17.5°	4402.1	4399.7	4402.1	4416.8	4431.4	4450.9	4460.6	4485.1	4502.1	4533.9	4563.2
20°	4326.5	4331.4	4331.4	4343.5	4353.3	4377.7	4387.4	4414.3	4433.8	4463.1	4497.3
22.5°	4260.6	4258.2	4258.2	4275.2	4282.6	4304.5	4314.2	4338.6	4360.6	4385.0	4416.8
25°	4194.7	4189.8	4199.6	4202.0	4206.8	4231.2	4238.6	4255.6	4277.6	4299.6	4331.4
27.5°	4097.1	4092.2	4094.6	4104.4	4111.7	4131.2	4136.1	4153.2	4170.3	4189.8	4216.7
30°	3909.1	3904.3	3901.9	3919.0	3926.3	3940.9	3948.2	3977.5	3982.4	4004.3	4023.8
32.5°	3660.2	3657.8	3662.8	3677.3	3684.6	3704.2	3714.0	3731.1	3743.2	3755.5	3774.9
35°	3382.1	3377.2	3382.1	3396.8	3396.8	3413.9	3421.2	3428.4	3426.0	3428.4	3423.6
37.5°	3123.5	3121.0	3123.5	3130.7	3123.5	3130.7	3123.5	3108.8	3082.0	3052.7	3023.3
40°	2903.8	2906.2	2891.7	2901.4	2874.5	2869.7	2842.9	2806.2	2752.6	2694.0	2611.0
42.5°	2669.6	2662.3	2652.5	2657.3	2635.4	2618.3	2574.4	2528.1	2459.7	2362.2	2262.0
45°	2381.6	2379.2	2374.3	2371.9	2357.2	2340.2	2303.5	2249.9	2174.2	2074.2	1954.6
47.5°	2101.0	2093.7	2093.7	2096.1	2079.0	2076.6	2047.3	2001.0	1935.1	1837.5	1713.0
50°	1832.5	1830.1	1835.0	1844.8	1832.5	1827.7	1808.2	1776.5	1717.9	1635.0	1517.8
52.5°	1591.0	1588.6	1593.5	1605.6	1600.7	1605.6	1586.2	1561.7	1522.7	1442.1	1339.7
55°	1354.3	1354.3	1354.3	1368.9	1368.9	1368.9	1359.2	1344.6	1307.9	1249.4	1154.3
57.5°	1107.9	1110.3	1124.9	1127.3	1124.9	1129.9	1127.3	1112.7	1088.4	1046.9	973.7
60°	900.4	900.4	907.8	915.1	912.6	915.1	915.1	907.8	883.4	849.2	790.7
62.5°	712.5	719.9	714.9	719.9	729.6	719.9	714.9	710.1	693.0	671.0	622.2
65°	539.3	544.2	544.2	546.6	541.7	544.2	534.4	527.1	517.4	493.0	461.2
67.5°	410.0	410.0	410.0	410.0	407.5	405.1	402.7	395.3	378.3	368.5	334.3
70°	314.8	300.1	300.1	300.1	300.1	302.6	295.3	285.6	280.6	263.6	239.1
72.5°	209.8	214.7	209.8	209.8	205.0	207.4	197.7	192.7	187.9	178.2	163.5
75°	151.3	139.1	143.9	146.4	139.1	143.9	134.2	124.4	124.4	117.1	109.8
77.5°	97.6	95.2	97.6	100.0	97.6	95.2	90.3	85.4	85.4	83.0	75.6
80°	70.8	68.3	68.3	68.3	65.9	68.3	63.5	63.5	58.6	56.1	51.2
82.5°	46.4	46.4	43.9	46.4	43.9	46.4	39.1	39.1	39.1	36.6	31.7
85°	31.7	26.8	26.8	29.3	24.4	29.3	26.8	24.4	22.0	22.0	19.5
87.5°	14.7	17.1	14.7	17.1	14.7	14.7	17.1	14.7	14.7	9.7	9.7
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: P248906

CATALOG NUMBER: LD8B100D010 ER8B100850 8LBSW0B

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	4997.5	4997.5	4997.5	4997.5	4997.5	4997.5	4997.5	4997.5	4997.5	4997.5	4997.5
2.5°	4973.1	4975.5	4975.5	4985.3	4990.2	4992.6	4992.6	5012.2	5004.8	5009.8	5014.6
5°	4902.4	4916.9	4921.9	4921.9	4948.7	4958.4	4968.2	4990.2	4992.6	5007.2	5024.3
7.5°	4834.0	4851.1	4860.9	4882.8	4899.9	4916.9	4946.3	4960.9	4975.5	4995.1	5017.0
10°	4768.1	4787.7	4807.2	4824.2	4851.1	4873.1	4892.5	4926.7	4943.9	4970.7	4999.9
12.5°	4704.7	4731.5	4748.6	4777.8	4807.2	4826.7	4856.0	4887.7	4914.5	4941.4	4975.5
15°	4648.6	4680.3	4699.8	4731.5	4763.3	4790.1	4821.8	4860.9	4880.4	4912.1	4943.9
17.5°	4587.5	4621.8	4646.2	4675.4	4714.5	4743.7	4770.6	4809.6	4834.0	4868.1	4904.8
20°	4524.1	4558.3	4587.5	4616.8	4655.9	4685.1	4716.9	4755.9	4782.8	4816.9	4846.2
22.5°	4448.5	4480.2	4511.9	4546.0	4585.1	4609.5	4646.2	4680.3	4709.5	4741.3	4770.6
25°	4350.9	4389.9	4414.3	4446.0	4477.7	4504.5	4543.6	4577.8	4602.2	4631.5	4658.3
27.5°	4236.2	4265.5	4285.0	4311.8	4343.5	4367.9	4397.2	4431.4	4455.8	4482.6	4502.1
30°	4040.9	4067.8	4084.9	4104.4	4136.1	4158.1	4182.5	4214.2	4231.2	4250.8	4267.9
32.5°	3784.7	3806.7	3816.4	3831.1	3853.1	3875.0	3894.6	3921.4	3928.7	3940.9	3940.9
35°	3413.9	3418.7	3416.3	3421.2	3430.9	3443.1	3460.2	3477.2	3487.0	3487.0	3479.7
37.5°	2979.5	2950.2	2918.5	2894.1	2886.8	2881.8	2891.7	2898.9	2908.7	2913.6	2901.4
40°	2528.1	2462.2	2391.4	2327.9	2284.0	2264.5	2257.2	2262.0	2262.0	2279.1	2279.1
42.5°	2140.1	2037.5	1932.7	1837.5	1774.0	1725.3	1703.3	1703.3	1705.7	1717.9	1725.3
45°	1818.0	1688.6	1566.6	1461.7	1373.8	1310.3	1281.1	1273.8	1271.4	1276.2	1293.3
47.5°	1571.5	1437.3	1310.3	1181.1	1088.4	1024.9	998.1	988.2	978.5	988.2	990.7
50°	1378.7	1239.6	1105.4	976.1	878.4	822.3	788.2	773.5	771.1	771.1	776.0
52.5°	1203.0	1073.7	939.5	807.7	705.2	651.6	619.8	612.5	602.7	612.5	612.5
55°	1037.0	907.8	776.0	651.6	566.1	510.0	480.7	471.0	466.0	473.4	473.4
57.5°	856.6	746.7	624.7	512.4	427.1	388.0	366.0	353.9	351.3	356.3	351.3
60°	702.8	610.1	505.1	402.7	336.8	295.3	278.2	273.3	268.4	273.3	273.3
62.5°	556.3	478.3	392.8	314.8	258.6	229.4	209.8	209.8	207.4	207.4	209.8
65°	412.4	351.3	290.4	224.5	180.6	158.6	143.9	143.9	141.5	143.9	141.5
67.5°	300.1	258.6	209.8	163.5	129.4	117.1	107.4	100.0	105.0	100.0	97.6
70°	219.7	185.4	151.3	124.4	100.0	87.9	80.6	78.0	73.2	73.2	73.2
72.5°	146.4	124.4	102.4	80.6	65.9	53.6	51.2	46.4	41.5	43.9	48.8
75°	97.6	83.0	73.2	58.6	43.9	43.9	29.3	29.3	24.4	29.3	22.0
77.5°	68.3	56.1	43.9	36.6	29.3	26.8	19.5	19.5	17.1	17.1	17.1
80°	48.8	41.5	31.7	26.8	19.5	19.5	17.1	14.7	12.2	12.2	14.7
82.5°	29.3	22.0	22.0	19.5	12.2	9.7	7.3	9.7	4.9	4.9	4.9
85°	17.1	14.7	12.2	7.3	4.9	4.9	2.4	0.0	2.4	2.4	0.0
87.5°	9.7	4.9	4.9	2.4	0.0	2.4	2.4	0.0	0.0	0.0	4.9
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: P248906

CATALOG NUMBER: LD8B100D010 ER8B100850 8LBSW0B

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	4997.5	4997.5	4997.5	4997.5	4997.5	4997.5	4997.5	4997.5	4997.5	4997.5	4997.5
2.5°	5026.8	5024.3	5029.2	5029.2	5043.9	5041.4	5048.7	5048.7	5043.9	5046.3	5056.1
5°	5043.9	5051.2	5065.8	5078.1	5099.9	5109.8	5121.9	5134.2	5136.6	5143.9	5151.3
7.5°	5043.9	5068.3	5085.4	5107.3	5136.6	5153.7	5180.5	5202.5	5212.2	5224.4	5239.1
10°	5034.1	5058.5	5090.2	5114.6	5151.3	5178.1	5204.9	5239.1	5253.7	5273.2	5292.8
12.5°	5014.6	5041.4	5075.5	5107.3	5148.8	5173.2	5207.3	5239.1	5261.1	5287.9	5309.9
15°	4985.3	5017.0	5048.7	5080.5	5124.4	5153.7	5185.4	5222.0	5244.0	5273.2	5292.8
17.5°	4938.9	4973.1	5002.4	5031.6	5073.1	5107.3	5136.6	5170.8	5192.8	5217.2	5244.0
20°	4882.8	4914.5	4946.3	4970.7	5012.2	5041.4	5073.1	5104.9	5121.9	5126.9	5168.3
22.5°	4812.1	4834.0	4858.4	4897.5	4921.9	4948.7	4978.0	5007.2	5024.3	5051.2	5065.8
25°	4694.9	4716.9	4743.7	4760.8	4790.1	4812.1	4841.3	4873.1	4882.8	4902.4	4916.9
27.5°	4531.5	4543.6	4555.9	4570.4	4587.5	4599.8	4616.8	4631.5	4641.2	4651.0	4660.7
30°	4272.7	4272.7	4272.7	4263.0	4270.3	4277.6	4280.1	4277.6	4277.6	4275.2	4275.2
32.5°	3931.1	3911.6	3889.6	3870.2	3862.8	3853.1	3848.2	3840.8	3828.7	3821.3	3823.8
35°	3469.9	3426.0	3399.2	3374.8	3355.3	3340.6	3333.3	3326.0	3323.6	3313.8	3304.0
37.5°	2894.1	2862.3	2842.9	2828.2	2811.1	2796.5	2798.9	2801.4	2808.6	2803.8	2806.2
40°	2284.0	2276.7	2284.0	2266.9	2262.0	2266.9	2279.1	2296.3	2306.0	2315.7	2332.8
42.5°	1737.4	1749.6	1766.7	1766.7	1774.0	1783.8	1798.4	1825.3	1839.9	1856.9	1876.5
45°	1307.9	1322.6	1344.6	1351.8	1356.7	1368.9	1386.1	1408.0	1417.7	1432.4	1449.5
47.5°	1007.8	1017.6	1029.7	1042.0	1054.1	1059.0	1076.1	1076.1	1088.4	1098.1	1102.9
50°	785.7	795.5	805.2	812.6	817.5	824.8	829.6	837.0	839.4	844.3	846.7
52.5°	614.9	627.1	627.1	632.0	639.3	646.6	644.2	646.6	649.0	649.0	656.4
55°	480.7	480.7	488.0	488.0	493.0	490.4	493.0	493.0	493.0	493.0	495.4
57.5°	358.7	361.2	368.5	363.6	361.2	366.0	361.2	366.0	363.6	368.5	361.2
60°	275.7	275.7	278.2	278.2	280.6	280.6	280.6	278.2	278.2	275.7	275.7
62.5°	207.4	209.8	212.3	209.8	209.8	209.8	207.4	207.4	205.0	202.5	202.5
65°	139.1	136.7	141.5	136.7	139.1	139.1	136.7	139.1	131.8	134.2	131.8
67.5°	100.0	97.6	95.2	97.6	95.2	92.7	92.7	95.2	97.6	90.3	90.3
70°	65.9	68.3	65.9	68.3	70.8	70.8	68.3	65.9	68.3	63.5	65.9
72.5°	41.5	41.5	41.5	41.5	41.5	43.9	43.9	43.9	39.1	39.1	36.6
75°	19.5	26.8	22.0	19.5	26.8	26.8	24.4	24.4	22.0	22.0	22.0
77.5°	19.5	14.7	14.7	14.7	14.7	14.7	14.7	14.7	12.2	14.7	12.2
80°	9.7	9.7	9.7	7.3	9.7	9.7	12.2	9.7	9.7	7.3	12.2
82.5°	4.9	4.9	4.9	0.0	2.4	4.9	4.9	2.4	4.9	4.9	2.4
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: P248906

CATALOG NUMBER: LD8B100D010 ER8B100850 8LBSW0B

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	4997.5	4997.5	4997.5	4997.5	4997.5	4997.5	4997.5	4997.5	4997.5	4997.5	4997.5
2.5°	5053.6	5051.2	5053.6	5056.1	5053.6	5051.2	5053.6	5056.1	5046.3	5043.9	5048.7
5°	5161.0	5161.0	5165.8	5168.3	5165.8	5161.0	5161.0	5151.3	5143.9	5136.6	5134.2
7.5°	5253.7	5258.6	5263.5	5265.9	5263.5	5258.6	5253.7	5239.1	5224.4	5212.2	5202.5
10°	5309.9	5317.2	5326.9	5331.8	5326.9	5317.2	5309.9	5292.8	5273.2	5253.7	5239.1
12.5°	5334.3	5341.6	5353.8	5351.4	5353.8	5341.6	5334.3	5309.9	5287.9	5261.1	5239.1
15°	5317.2	5326.9	5339.1	5344.0	5339.1	5326.9	5317.2	5292.8	5273.2	5244.0	5222.0
17.5°	5263.5	5278.1	5285.5	5292.8	5285.5	5278.1	5263.5	5244.0	5217.2	5192.8	5170.8
20°	5190.2	5200.1	5209.8	5212.2	5209.8	5200.1	5190.2	5168.3	5126.9	5121.9	5104.9
22.5°	5085.4	5092.7	5114.6	5107.3	5114.6	5092.7	5085.4	5065.8	5051.2	5024.3	5007.2
25°	4934.0	4941.4	4943.9	4946.3	4943.9	4941.4	4934.0	4916.9	4902.4	4882.8	4873.1
27.5°	4673.0	4673.0	4677.8	4680.3	4677.8	4673.0	4673.0	4660.7	4651.0	4641.2	4631.5
30°	4277.6	4277.6	4277.6	4289.9	4277.6	4277.6	4277.6	4275.2	4275.2	4277.6	4277.6
32.5°	3821.3	3816.4	3811.6	3816.4	3811.6	3816.4	3821.3	3823.8	3821.3	3828.7	3840.8
35°	3304.0	3301.6	3308.9	3299.2	3308.9	3301.6	3304.0	3304.0	3313.8	3323.6	3326.0
37.5°	2808.6	2803.8	2813.5	2803.8	2813.5	2803.8	2808.6	2806.2	2803.8	2808.6	2801.4
40°	2337.7	2342.6	2342.6	2362.2	2342.6	2342.6	2337.7	2332.8	2315.7	2306.0	2296.3
42.5°	1886.3	1900.9	1896.0	1910.7	1896.0	1900.9	1886.3	1876.5	1856.9	1839.9	1825.3
45°	1459.2	1469.0	1469.0	1473.9	1469.0	1469.0	1459.2	1449.5	1432.4	1417.7	1408.0
47.5°	1120.0	1120.0	1120.0	1122.5	1120.0	1120.0	1120.0	1102.9	1098.1	1088.4	1076.1
50°	851.6	854.0	856.6	859.0	856.6	854.0	851.6	846.7	844.3	839.4	837.0
52.5°	654.0	656.4	651.6	656.4	651.6	656.4	654.0	656.4	649.0	649.0	646.6
55°	495.4	493.0	495.4	497.8	495.4	493.0	495.4	495.4	493.0	493.0	493.0
57.5°	363.6	358.7	358.7	358.7	358.7	358.7	363.6	361.2	368.5	363.6	366.0
60°	270.9	273.3	273.3	275.7	273.3	273.3	270.9	275.7	275.7	278.2	278.2
62.5°	200.1	207.4	202.5	207.4	202.5	207.4	200.1	202.5	202.5	205.0	207.4
65°	129.4	129.4	129.4	131.8	129.4	129.4	129.4	131.8	134.2	131.8	139.1
67.5°	87.9	90.3	95.2	92.7	95.2	90.3	87.9	90.3	90.3	97.6	95.2
70°	70.8	63.5	63.5	70.8	63.5	63.5	70.8	65.9	63.5	68.3	65.9
72.5°	41.5	36.6	41.5	41.5	41.5	36.6	41.5	36.6	39.1	39.1	43.9
75°	22.0	19.5	17.1	24.4	17.1	19.5	22.0	22.0	22.0	22.0	24.4
77.5°	14.7	12.2	17.1	17.1	17.1	12.2	14.7	12.2	14.7	12.2	14.7
80°	7.3	9.7	7.3	12.2	7.3	9.7	7.3	12.2	7.3	9.7	9.7
82.5°	2.4	4.9	4.9	4.9	4.9	4.9	2.4	2.4	4.9	4.9	2.4
85°	0.0	4.9	2.4	2.4	2.4	4.9	0.0	0.0	0.0	0.0	0.0
87.5°	2.4	0.0	0.0	2.4	0.0	0.0	2.4	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: P248906

CATALOG NUMBER: LD8B100D010 ER8B100850 8LBSW0B

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	4997.5	4997.5	4997.5	4997.5	4997.5	4997.5	4997.5	4997.5	4997.5	4997.5	4997.5
2.5°	5048.7	5041.4	5043.9	5029.2	5029.2	5024.3	5026.8	5014.6	5009.8	5004.8	5012.2
5°	5121.9	5109.8	5099.9	5078.1	5065.8	5051.2	5043.9	5024.3	5007.2	4992.6	4990.2
7.5°	5180.5	5153.7	5136.6	5107.3	5085.4	5068.3	5043.9	5017.0	4995.1	4975.5	4960.9
10°	5204.9	5178.1	5151.3	5114.6	5090.2	5058.5	5034.1	4999.9	4970.7	4943.9	4926.7
12.5°	5207.3	5173.2	5148.8	5107.3	5075.5	5041.4	5014.6	4975.5	4941.4	4914.5	4887.7
15°	5185.4	5153.7	5124.4	5080.5	5048.7	5017.0	4985.3	4943.9	4912.1	4880.4	4860.9
17.5°	5136.6	5107.3	5073.1	5031.6	5002.4	4973.1	4938.9	4904.8	4868.1	4834.0	4809.6
20°	5073.1	5041.4	5012.2	4970.7	4946.3	4914.5	4882.8	4846.2	4816.9	4782.8	4755.9
22.5°	4978.0	4948.7	4921.9	4897.5	4858.4	4834.0	4812.1	4770.6	4741.3	4709.5	4680.3
25°	4841.3	4812.1	4790.1	4760.8	4743.7	4716.9	4694.9	4658.3	4631.5	4602.2	4577.8
27.5°	4616.8	4599.8	4587.5	4570.4	4555.9	4543.6	4531.5	4502.1	4482.6	4455.8	4431.4
30°	4280.1	4277.6	4270.3	4263.0	4272.7	4272.7	4272.7	4267.9	4250.8	4231.2	4214.2
32.5°	3848.2	3853.1	3862.8	3870.2	3889.6	3911.6	3931.1	3940.9	3940.9	3928.7	3921.4
35°	3333.3	3340.6	3355.3	3374.8	3399.2	3426.0	3469.9	3479.7	3487.0	3487.0	3477.2
37.5°	2798.9	2796.5	2811.1	2828.2	2842.9	2862.3	2894.1	2901.4	2913.6	2908.7	2898.9
40°	2279.1	2266.9	2262.0	2266.9	2284.0	2276.7	2284.0	2279.1	2279.1	2262.0	2262.0
42.5°	1798.4	1783.8	1774.0	1766.7	1766.7	1749.6	1737.4	1725.3	1717.9	1705.7	1703.3
45°	1386.1	1368.9	1356.7	1351.8	1344.6	1322.6	1307.9	1293.3	1276.2	1271.4	1273.8
47.5°	1076.1	1059.0	1054.1	1042.0	1029.7	1017.6	1007.8	990.7	988.2	978.5	988.2
50°	829.6	824.8	817.5	812.6	805.2	795.5	785.7	776.0	771.1	771.1	773.5
52.5°	644.2	646.6	639.3	632.0	627.1	627.1	614.9	612.5	612.5	602.7	612.5
55°	493.0	490.4	493.0	488.0	488.0	480.7	480.7	473.4	473.4	466.0	471.0
57.5°	361.2	366.0	361.2	363.6	368.5	361.2	358.7	351.3	356.3	351.3	353.9
60°	280.6	280.6	280.6	278.2	278.2	275.7	275.7	273.3	273.3	268.4	273.3
62.5°	207.4	209.8	209.8	209.8	212.3	209.8	207.4	209.8	207.4	207.4	209.8
65°	136.7	139.1	139.1	136.7	141.5	136.7	139.1	141.5	143.9	141.5	143.9
67.5°	92.7	92.7	95.2	97.6	95.2	97.6	100.0	97.6	100.0	105.0	100.0
70°	68.3	70.8	70.8	68.3	65.9	68.3	65.9	73.2	73.2	73.2	78.0
72.5°	43.9	43.9	41.5	41.5	41.5	41.5	41.5	48.8	43.9	41.5	46.4
75°	24.4	26.8	26.8	19.5	22.0	26.8	19.5	22.0	29.3	24.4	29.3
77.5°	14.7	14.7	14.7	14.7	14.7	14.7	19.5	17.1	17.1	17.1	19.5
80°	12.2	9.7	9.7	7.3	9.7	9.7	9.7	14.7	12.2	12.2	14.7
82.5°	4.9	4.9	2.4	0.0	4.9	4.9	4.9	4.9	4.9	4.9	9.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	2.4	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P248906

CATALOG NUMBER: LD8B100D010 ER8B100850 8LBSW0B

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	4997.5	4997.5	4997.5	4997.5	4997.5	4997.5	4997.5	4997.5	4997.5	4997.5	4997.5
2.5°	4992.6	4992.6	4990.2	4985.3	4975.5	4975.5	4973.1	4965.8	4960.9	4958.4	4958.4
5°	4968.2	4958.4	4948.7	4921.9	4921.9	4916.9	4902.4	4892.5	4887.7	4875.5	4870.6
7.5°	4946.3	4916.9	4899.9	4882.8	4860.9	4851.1	4834.0	4826.7	4809.6	4797.4	4790.1
10°	4892.5	4873.1	4851.1	4824.2	4807.2	4787.7	4768.1	4753.5	4731.5	4719.3	4709.5
12.5°	4856.0	4826.7	4807.2	4777.8	4748.6	4731.5	4704.7	4687.6	4665.6	4641.2	4626.6
15°	4821.8	4790.1	4763.3	4731.5	4699.8	4680.3	4648.6	4629.1	4597.3	4572.9	4555.9
17.5°	4770.6	4743.7	4714.5	4675.4	4646.2	4621.8	4587.5	4563.2	4533.9	4502.1	4485.1
20°	4716.9	4685.1	4655.9	4616.8	4587.5	4558.3	4524.1	4497.3	4463.1	4433.8	4414.3
22.5°	4646.2	4609.5	4585.1	4546.0	4511.9	4480.2	4448.5	4416.8	4385.0	4360.6	4338.6
25°	4543.6	4504.5	4477.7	4446.0	4414.3	4389.9	4350.9	4331.4	4299.6	4277.6	4255.6
27.5°	4397.2	4367.9	4343.5	4311.8	4285.0	4265.5	4236.2	4216.7	4189.8	4170.3	4153.2
30°	4182.5	4158.1	4136.1	4104.4	4084.9	4067.8	4040.9	4023.8	4004.3	3982.4	3977.5
32.5°	3894.6	3875.0	3853.1	3831.1	3816.4	3806.7	3784.7	3774.9	3755.5	3743.2	3731.1
35°	3460.2	3443.1	3430.9	3421.2	3416.3	3418.7	3413.9	3423.6	3428.4	3426.0	3428.4
37.5°	2891.7	2881.8	2886.8	2894.1	2918.5	2950.2	2979.5	3023.3	3052.7	3082.0	3108.8
40°	2257.2	2264.5	2284.0	2327.9	2391.4	2462.2	2528.1	2611.0	2694.0	2752.6	2806.2
42.5°	1703.3	1725.3	1774.0	1837.5	1932.7	2037.5	2140.1	2262.0	2362.2	2459.7	2528.1
45°	1281.1	1310.3	1373.8	1461.7	1566.6	1688.6	1818.0	1954.6	2074.2	2174.2	2249.9
47.5°	998.1	1024.9	1088.4	1181.1	1310.3	1437.3	1571.5	1713.0	1837.5	1935.1	2001.0
50°	788.2	822.3	878.4	976.1	1105.4	1239.6	1378.7	1517.8	1635.0	1717.9	1776.5
52.5°	619.8	651.6	705.2	807.7	939.5	1073.7	1203.0	1339.7	1442.1	1522.7	1561.7
55°	480.7	510.0	566.1	651.6	776.0	907.8	1037.0	1154.3	1249.4	1307.9	1344.6
57.5°	366.0	388.0	427.1	512.4	624.7	746.7	856.6	973.7	1046.9	1088.4	1112.7
60°	278.2	295.3	336.8	402.7	505.1	610.1	702.8	790.7	849.2	883.4	907.8
62.5°	209.8	229.4	258.6	314.8	392.8	478.3	556.3	622.2	671.0	693.0	710.1
65°	143.9	158.6	180.6	224.5	290.4	351.3	412.4	461.2	493.0	517.4	527.1
67.5°	107.4	117.1	129.4	163.5	209.8	258.6	300.1	334.3	368.5	378.3	395.3
70°	80.6	87.9	100.0	124.4	151.3	185.4	219.7	239.1	263.6	280.6	285.6
72.5°	51.2	53.6	65.9	80.6	102.4	124.4	146.4	163.5	178.2	187.9	192.7
75°	29.3	43.9	43.9	58.6	73.2	83.0	97.6	109.8	117.1	124.4	124.4
77.5°	19.5	26.8	29.3	36.6	43.9	56.1	68.3	75.6	83.0	85.4	85.4
80°	17.1	19.5	19.5	26.8	31.7	41.5	48.8	51.2	56.1	58.6	63.5
82.5°	7.3	9.7	12.2	19.5	22.0	22.0	29.3	31.7	36.6	39.1	39.1
85°	2.4	4.9	4.9	7.3	12.2	14.7	17.1	19.5	22.0	22.0	24.4
87.5°	2.4	2.4	0.0	2.4	4.9	4.9	9.7	9.7	9.7	14.7	14.7
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: P248906

CATALOG NUMBER: LD8B100D010 ER8B100850 8LBSW0B

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	4997.5	4997.5	4997.5	4997.5	4997.5	4997.5	4997.5
2.5°	4953.6	4956.0	4946.3	4943.9	4938.9	4941.4	4946.3
5°	4863.3	4865.7	4856.0	4846.2	4846.2	4843.7	4846.2
7.5°	4777.8	4780.3	4765.7	4760.8	4751.0	4753.5	4753.5
10°	4692.5	4692.5	4670.6	4668.1	4660.7	4658.3	4658.3
12.5°	4609.5	4602.2	4585.1	4575.4	4580.3	4565.6	4565.6
15°	4536.3	4524.1	4502.1	4494.8	4482.6	4477.7	4477.7
17.5°	4460.6	4450.9	4431.4	4416.8	4402.1	4399.7	4402.1
20°	4387.4	4377.7	4353.3	4343.5	4331.4	4331.4	4326.5
22.5°	4314.2	4304.5	4282.6	4275.2	4258.2	4258.2	4260.6
25°	4238.6	4231.2	4206.8	4202.0	4199.6	4189.8	4194.7
27.5°	4136.1	4131.2	4111.7	4104.4	4094.6	4092.2	4097.1
30°	3948.2	3940.9	3926.3	3919.0	3901.9	3904.3	3909.1
32.5°	3714.0	3704.2	3684.6	3677.3	3662.8	3657.8	3660.2
35°	3421.2	3413.9	3396.8	3396.8	3382.1	3377.2	3382.1
37.5°	3123.5	3130.7	3123.5	3130.7	3123.5	3121.0	3123.5
40°	2842.9	2869.7	2874.5	2901.4	2891.7	2906.2	2903.8
42.5°	2574.4	2618.3	2635.4	2657.3	2652.5	2662.3	2669.6
45°	2303.5	2340.2	2357.2	2371.9	2374.3	2379.2	2381.6
47.5°	2047.3	2076.6	2079.0	2096.1	2093.7	2093.7	2101.0
50°	1808.2	1827.7	1832.5	1844.8	1835.0	1830.1	1832.5
52.5°	1586.2	1605.6	1600.7	1605.6	1593.5	1588.6	1591.0
55°	1359.2	1368.9	1368.9	1368.9	1354.3	1354.3	1354.3
57.5°	1127.3	1129.9	1124.9	1127.3	1124.9	1110.3	1107.9
60°	915.1	915.1	912.6	915.1	907.8	900.4	900.4
62.5°	714.9	719.9	729.6	719.9	714.9	719.9	712.5
65°	534.4	544.2	541.7	546.6	544.2	544.2	539.3
67.5°	402.7	405.1	407.5	410.0	410.0	410.0	410.0
70°	295.3	302.6	300.1	300.1	300.1	300.1	314.8
72.5°	197.7	207.4	205.0	209.8	209.8	214.7	209.8
75°	134.2	143.9	139.1	146.4	143.9	139.1	151.3
77.5°	90.3	95.2	97.6	100.0	97.6	95.2	97.6
80°	63.5	68.3	65.9	68.3	68.3	68.3	70.8
82.5°	39.1	46.4	43.9	46.4	43.9	46.4	46.4
85°	26.8	29.3	24.4	29.3	26.8	26.8	31.7
87.5°	17.1	14.7	14.7	17.1	14.7	17.1	14.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)