

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: P248879

Luminaire Tested: **LD8B100D010 ER8B100830 8LBSW0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248879
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 ER8B100830 8LBSW0B
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 3000 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7992.0 lumens
Efficiency: N/A
Efficacy: 75.2 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

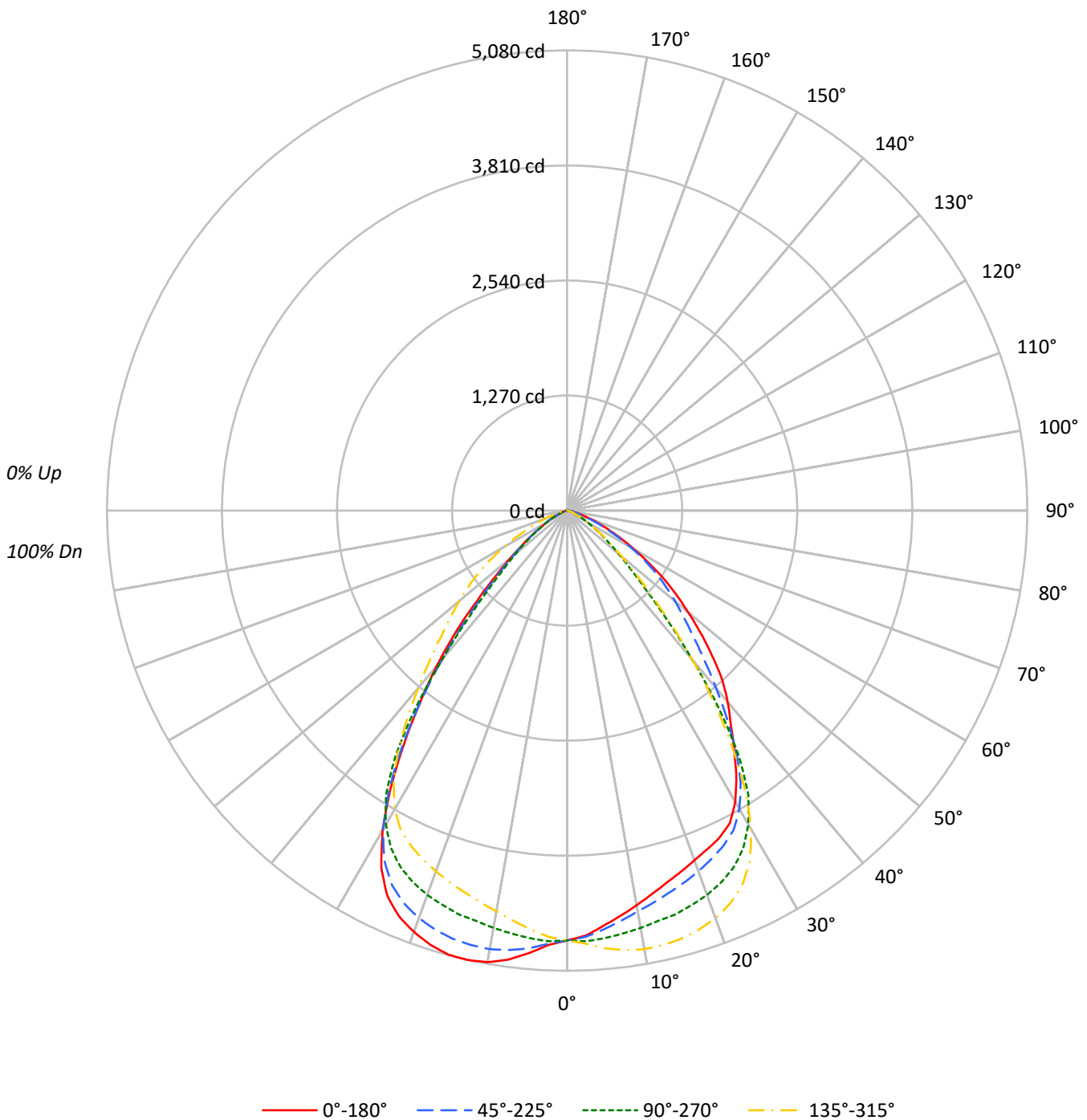
Input Watts (W): 106.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P248879

CATALOG NUMBER: LD8B100D010 ER8B100830 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°	146306	146306	146306	146306
5°	142420	146648	151886	146648
10°	138481	146459	158498	146459
15°	135713	147327	161970	147327
20°	134789	148171	162387	148171
25°	135498	147872	159777	147872
30°	132147	142459	145019	142459
35°	120875	124275	117909	124275
40°	110976	86445	90274	86445
45°	98605	52737	61022	52737
50°	83463	35226	39122	35226
55°	69127	24037	25408	24037
60°	52724	16004	16146	16004
65°	37358	9967	9128	9967
70°	26940	6681	6059	6681
75°	17109	3312	2764	3312
80°	11933	2468	2042	2468
85°	10650	0	814	0



TEST NUMBER: P248879

CATALOG NUMBER: LD8B100D010 ER8B100830 8LBSW0B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	451.6	5.7
10°-20°	1307.7	16.4
20°-30°	1980.2	24.8
30°-40°	1984.6	24.8
40°-50°	1246.3	15.6
50°-60°	664.1	8.3
60°-70°	273.1	3.4
70°-80°	72.1	0.9
80°-90°	12.2	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°	3739.5	46.8
0°-40°	5724.2	71.6
0°-60°	7634.5	95.5
0°-90°	7992.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7992.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4745	4745	4745	4745	4745	
5°	4601	4738	4907	4738	4601	434
15°	4251	4615	5074	4615	4251	1202
25°	3982	4346	4696	4346	3982	1826
35°	3211	3301	3132	3301	3211	2012
45°	2261	1209	1399	1209	2261	1739
55°	1286	447	473	447	1286	1146
65°	512	137	125	137	512	531
75°	144	28	23	28	144	163
85°	30	0	2	0	30	33
90°	0	0	0	0	0	



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CATALOG NUMBER: LD8B100D010 ER8B100830 8LBSW0B

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	4744.6	4744.6	4744.6	4744.6	4744.6	4744.6	4744.6	4744.6	4744.6	4744.6	4744.6
2.5°	4696.0	4691.3	4689.0	4693.7	4696.0	4705.2	4702.9	4707.5	4707.5	4709.9	4714.5
5°	4601.0	4598.6	4601.0	4601.0	4610.2	4619.5	4617.2	4624.2	4628.7	4640.4	4644.9
7.5°	4513.0	4513.0	4510.6	4519.8	4524.5	4538.4	4536.1	4547.7	4554.6	4566.2	4582.4
10°	4422.6	4422.6	4424.9	4431.8	4434.2	4455.0	4455.0	4471.2	4480.5	4492.1	4513.0
12.5°	4334.6	4334.6	4348.5	4343.8	4353.1	4369.3	4376.2	4392.4	4406.4	4429.5	4450.4
15°	4251.1	4251.1	4255.8	4267.3	4274.3	4295.2	4306.7	4325.3	4341.5	4364.7	4394.8
17.5°	4179.3	4177.0	4179.3	4193.2	4207.2	4225.7	4234.9	4258.1	4274.3	4304.4	4332.3
20°	4107.5	4112.2	4112.2	4123.7	4133.0	4156.1	4165.4	4191.0	4209.5	4237.2	4269.7
22.5°	4045.0	4042.7	4042.7	4058.9	4065.8	4086.6	4095.9	4119.1	4139.9	4163.1	4193.2
25°	3982.4	3977.7	3987.1	3989.4	3993.9	4017.1	4024.1	4040.3	4061.2	4082.1	4112.2
27.5°	3889.7	3885.1	3887.4	3896.7	3903.6	3922.1	3926.8	3943.0	3959.2	3977.7	4003.3
30°	3711.3	3706.7	3704.4	3720.7	3727.6	3741.4	3748.4	3776.2	3780.8	3801.7	3820.2
32.5°	3475.0	3472.7	3477.4	3491.2	3498.2	3516.8	3526.0	3542.2	3553.8	3565.4	3583.9
35°	3211.0	3206.3	3211.0	3224.9	3224.9	3241.1	3248.1	3254.9	3252.6	3254.9	3250.3
37.5°	2965.4	2963.0	2965.4	2972.3	2965.4	2972.3	2965.4	2951.5	2926.0	2898.2	2870.3
40°	2756.9	2759.2	2745.3	2754.6	2729.0	2724.5	2699.0	2664.2	2613.3	2557.7	2478.9
42.5°	2534.5	2527.5	2518.3	2522.9	2502.1	2485.8	2444.1	2400.1	2335.2	2242.6	2147.5
45°	2261.1	2258.8	2254.2	2251.9	2237.9	2221.7	2186.9	2136.0	2064.2	1969.2	1855.7
47.5°	1994.7	1987.7	1987.7	1990.0	1973.8	1971.5	1943.7	1899.7	1837.2	1744.5	1626.3
50°	1739.8	1737.5	1742.2	1751.4	1739.8	1735.2	1716.7	1686.6	1631.0	1552.2	1440.9
52.5°	1510.5	1508.2	1512.8	1524.4	1519.7	1524.4	1505.9	1482.7	1445.6	1369.1	1271.9
55°	1285.8	1285.8	1285.8	1299.6	1299.6	1299.6	1290.4	1276.5	1241.7	1186.1	1095.8
57.5°	1051.8	1054.1	1068.0	1070.3	1068.0	1072.7	1070.3	1056.4	1033.3	993.9	924.4
60°	854.9	854.9	861.8	868.8	866.4	868.8	868.8	861.8	838.7	806.2	750.7
62.5°	676.5	683.4	678.8	683.4	692.7	683.4	678.8	674.2	658.0	637.1	590.7
65°	512.0	516.6	516.6	518.9	514.3	516.6	507.4	500.4	491.2	468.0	437.9
67.5°	389.2	389.2	389.2	389.2	386.9	384.6	382.3	375.3	359.1	349.9	317.3
70°	298.8	284.9	284.9	284.9	284.9	287.3	280.4	271.1	266.4	250.2	227.0
72.5°	199.2	203.9	199.2	199.2	194.6	196.9	187.7	183.0	178.4	169.2	155.2
75°	143.6	132.1	136.6	139.0	132.1	136.6	127.4	118.1	118.1	111.2	104.2
77.5°	92.7	90.4	92.7	95.0	92.7	90.4	85.7	81.1	81.1	78.8	71.8
80°	67.2	64.8	64.8	64.8	62.6	64.8	60.3	60.3	55.6	53.3	48.6
82.5°	44.1	44.1	41.7	44.1	41.7	44.1	37.1	37.1	37.1	34.7	30.1
85°	30.1	25.5	25.5	27.8	23.2	27.8	25.5	23.2	20.9	20.9	18.5
87.5°	13.9	16.2	13.9	16.2	13.9	13.9	16.2	13.9	13.9	9.2	9.2
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: P248879

CATALOG NUMBER: LD8B100D010 ER8B100830 8LBSW0B

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	4744.6	4744.6	4744.6	4744.6	4744.6	4744.6	4744.6	4744.6	4744.6	4744.6	4744.6
2.5°	4721.4	4723.7	4723.7	4733.1	4737.6	4739.9	4739.9	4758.5	4751.6	4756.2	4760.8
5°	4654.3	4668.1	4672.8	4672.8	4698.3	4707.5	4716.8	4737.6	4739.9	4753.8	4770.1
7.5°	4589.4	4605.6	4614.9	4635.7	4651.9	4668.1	4696.0	4709.9	4723.7	4742.3	4763.1
10°	4526.8	4545.4	4563.9	4580.1	4605.6	4626.4	4644.9	4677.4	4693.7	4719.1	4746.9
12.5°	4466.6	4492.1	4508.3	4536.1	4563.9	4582.4	4610.2	4640.4	4665.8	4691.3	4723.7
15°	4413.3	4443.5	4462.0	4492.1	4522.2	4547.7	4577.8	4614.9	4633.4	4663.5	4693.7
17.5°	4355.3	4387.9	4411.0	4438.8	4475.9	4503.6	4529.2	4566.2	4589.4	4621.8	4656.6
20°	4295.2	4327.6	4355.3	4383.2	4420.3	4448.0	4478.2	4515.3	4540.7	4573.1	4601.0
22.5°	4223.4	4253.5	4283.5	4316.0	4353.1	4376.2	4411.0	4443.5	4471.2	4501.3	4529.2
25°	4130.7	4167.8	4191.0	4221.0	4251.1	4276.6	4313.7	4346.1	4369.3	4397.1	4422.6
27.5°	4021.8	4049.6	4068.1	4093.6	4123.7	4146.9	4174.6	4207.2	4230.3	4255.8	4274.3
30°	3836.4	3862.0	3878.2	3896.7	3926.8	3947.7	3970.9	4000.9	4017.1	4035.7	4051.9
32.5°	3593.2	3614.0	3623.3	3637.2	3658.1	3678.9	3697.5	3722.9	3729.9	3741.4	3741.4
35°	3241.1	3245.7	3243.4	3248.1	3257.3	3268.8	3285.1	3301.3	3310.5	3310.5	3303.7
37.5°	2828.7	2800.9	2770.8	2747.6	2740.7	2736.0	2745.3	2752.2	2761.5	2766.1	2754.6
40°	2400.1	2337.6	2270.4	2210.1	2168.4	2149.9	2143.0	2147.5	2147.5	2163.8	2163.8
42.5°	2031.8	1934.4	1834.9	1744.5	1684.2	1638.0	1617.1	1617.1	1619.4	1631.0	1638.0
45°	1726.0	1603.1	1487.3	1387.7	1304.3	1244.0	1216.3	1209.3	1207.0	1211.6	1227.8
47.5°	1492.0	1364.6	1244.0	1121.3	1033.3	973.0	947.6	938.2	929.0	938.2	940.6
50°	1309.0	1176.9	1049.5	926.7	834.0	780.7	748.3	734.3	732.1	732.1	736.7
52.5°	1142.1	1019.4	892.0	766.9	669.5	618.6	588.4	581.5	572.2	581.5	581.5
55°	984.6	861.8	736.7	618.6	537.4	484.2	456.4	447.1	442.5	449.4	449.4
57.5°	813.2	708.9	593.1	486.5	405.5	368.4	347.5	335.9	333.6	338.2	333.6
60°	667.2	579.2	479.6	382.3	319.7	280.4	264.1	259.5	254.8	259.5	259.5
62.5°	528.2	454.1	372.9	298.8	245.5	217.8	199.2	199.2	196.9	196.9	199.2
65°	391.5	333.6	275.7	213.1	171.5	150.6	136.6	136.6	134.4	136.6	134.4
67.5°	284.9	245.5	199.2	155.2	122.8	111.2	101.9	95.0	99.6	95.0	92.7
70°	208.5	176.0	143.6	118.1	95.0	83.4	76.5	74.1	69.5	69.5	69.5
72.5°	139.0	118.1	97.3	76.5	62.6	50.9	48.6	44.1	39.4	41.7	46.3
75°	92.7	78.8	69.5	55.6	41.7	41.7	27.8	27.8	23.2	27.8	20.9
77.5°	64.8	53.3	41.7	34.7	27.8	25.5	18.5	18.5	16.2	16.2	16.2
80°	46.3	39.4	30.1	25.5	18.5	18.5	16.2	13.9	11.5	11.5	13.9
82.5°	27.8	20.9	20.9	18.5	11.5	9.2	7.0	9.2	4.7	4.7	4.7
85°	16.2	13.9	11.5	7.0	4.7	4.7	2.3	0.0	2.3	2.3	0.0
87.5°	9.2	4.7	4.7	2.3	0.0	2.3	2.3	0.0	0.0	0.0	4.7
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: P248879

CATALOG NUMBER: LD8B100D010 ER8B100830 8LBSW0B

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	4744.6	4744.6	4744.6	4744.6	4744.6	4744.6	4744.6	4744.6	4744.6	4744.6	4744.6
2.5°	4772.4	4770.1	4774.7	4774.7	4788.7	4786.3	4793.2	4793.2	4788.7	4790.9	4800.2
5°	4788.7	4795.6	4809.4	4821.1	4841.9	4851.2	4862.7	4874.4	4876.7	4883.6	4890.6
7.5°	4788.7	4811.8	4828.0	4848.8	4876.7	4892.9	4918.3	4939.2	4948.5	4960.0	4973.9
10°	4779.3	4802.5	4832.6	4855.8	4890.6	4916.0	4941.5	4973.9	4987.9	5006.4	5024.9
12.5°	4760.8	4786.3	4818.7	4848.8	4888.2	4911.4	4943.8	4973.9	4994.8	5020.3	5041.2
15°	4733.1	4763.1	4793.2	4823.4	4865.0	4892.9	4923.0	4957.7	4978.6	5006.4	5024.9
17.5°	4689.0	4721.4	4749.3	4777.0	4816.4	4848.8	4876.7	4909.1	4930.0	4953.1	4978.6
20°	4635.7	4665.8	4696.0	4719.1	4758.5	4786.3	4816.4	4846.5	4862.7	4867.4	4906.8
22.5°	4568.6	4589.4	4612.5	4649.6	4672.8	4698.3	4726.1	4753.8	4770.1	4795.6	4809.4
25°	4457.3	4478.2	4503.6	4519.8	4547.7	4568.6	4596.3	4626.4	4635.7	4654.3	4668.1
27.5°	4302.1	4313.7	4325.3	4339.1	4355.3	4367.0	4383.2	4397.1	4406.4	4415.6	4424.9
30°	4056.5	4056.5	4056.5	4047.2	4054.2	4061.2	4063.5	4061.2	4061.2	4058.9	4058.9
32.5°	3732.2	3713.7	3692.8	3674.3	3667.3	3658.1	3653.4	3646.5	3634.9	3628.0	3630.3
35°	3294.3	3252.6	3227.2	3204.0	3185.5	3171.6	3164.6	3157.7	3155.4	3146.1	3136.8
37.5°	2747.6	2717.5	2699.0	2685.1	2668.9	2654.9	2657.2	2659.6	2666.5	2661.9	2664.2
40°	2168.4	2161.5	2168.4	2152.2	2147.5	2152.2	2163.8	2180.1	2189.3	2198.6	2214.8
42.5°	1649.5	1661.0	1677.3	1677.3	1684.2	1693.5	1707.4	1732.9	1746.8	1763.0	1781.6
45°	1241.7	1255.7	1276.5	1283.4	1288.1	1299.6	1315.9	1336.7	1346.0	1359.9	1376.1
47.5°	956.8	966.1	977.6	989.2	1000.8	1005.4	1021.7	1021.7	1033.3	1042.5	1047.1
50°	746.0	755.2	764.5	771.4	776.1	783.1	787.7	794.6	796.9	801.6	803.9
52.5°	583.8	595.4	595.4	600.0	606.9	613.9	611.6	613.9	616.2	616.2	623.2
55°	456.4	456.4	463.3	463.3	468.0	465.6	468.0	468.0	468.0	468.0	470.3
57.5°	340.5	342.9	349.9	345.2	342.9	347.5	342.9	347.5	345.2	349.9	342.9
60°	261.8	261.8	264.1	264.1	266.4	266.4	266.4	264.1	264.1	261.8	261.8
62.5°	196.9	199.2	201.6	199.2	199.2	199.2	196.9	196.9	194.6	192.2	192.2
65°	132.1	129.8	134.4	129.8	132.1	132.1	129.8	132.1	125.1	127.4	125.1
67.5°	95.0	92.7	90.4	92.7	90.4	88.0	88.0	90.4	92.7	85.7	85.7
70°	62.6	64.8	62.6	64.8	67.2	67.2	64.8	62.6	64.8	60.3	62.6
72.5°	39.4	39.4	39.4	39.4	39.4	41.7	41.7	41.7	37.1	37.1	34.7
75°	18.5	25.5	20.9	18.5	25.5	25.5	23.2	23.2	20.9	20.9	20.9
77.5°	18.5	13.9	13.9	13.9	13.9	13.9	13.9	13.9	11.5	13.9	11.5
80°	9.2	9.2	9.2	7.0	9.2	9.2	11.5	9.2	9.2	7.0	11.5
82.5°	4.7	4.7	4.7	0.0	2.3	4.7	4.7	2.3	4.7	4.7	2.3
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: P248879

CATALOG NUMBER: LD8B100D010 ER8B100830 8LBSW0B

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	4744.6	4744.6	4744.6	4744.6	4744.6	4744.6	4744.6	4744.6	4744.6	4744.6	4744.6
2.5°	4797.9	4795.6	4797.9	4800.2	4797.9	4795.6	4797.9	4800.2	4790.9	4788.7	4793.2
5°	4899.8	4899.8	4904.4	4906.8	4904.4	4899.8	4899.8	4890.6	4883.6	4876.7	4874.4
7.5°	4987.9	4992.5	4997.1	4999.4	4997.1	4992.5	4987.9	4973.9	4960.0	4948.5	4939.2
10°	5041.2	5048.1	5057.4	5061.9	5057.4	5048.1	5041.2	5024.9	5006.4	4987.9	4973.9
12.5°	5064.3	5071.3	5082.8	5080.5	5082.8	5071.3	5064.3	5041.2	5020.3	4994.8	4973.9
15°	5048.1	5057.4	5068.9	5073.6	5068.9	5057.4	5048.1	5024.9	5006.4	4978.6	4957.7
17.5°	4997.1	5011.0	5018.0	5024.9	5018.0	5011.0	4997.1	4978.6	4953.1	4930.0	4909.1
20°	4927.6	4936.9	4946.2	4948.5	4946.2	4936.9	4927.6	4906.8	4867.4	4862.7	4846.5
22.5°	4828.0	4835.0	4855.8	4848.8	4855.8	4835.0	4828.0	4809.4	4795.6	4770.1	4753.8
25°	4684.3	4691.3	4693.7	4696.0	4693.7	4691.3	4684.3	4668.1	4654.3	4635.7	4626.4
27.5°	4436.5	4436.5	4441.1	4443.5	4441.1	4436.5	4436.5	4424.9	4415.6	4406.4	4397.1
30°	4061.2	4061.2	4061.2	4072.8	4061.2	4061.2	4061.2	4058.9	4058.9	4061.2	4061.2
32.5°	3628.0	3623.3	3618.7	3623.3	3618.7	3623.3	3628.0	3630.3	3628.0	3634.9	3646.5
35°	3136.8	3134.5	3141.5	3132.2	3141.5	3134.5	3136.8	3136.8	3146.1	3155.4	3157.7
37.5°	2666.5	2661.9	2671.1	2661.9	2671.1	2661.9	2666.5	2664.2	2661.9	2666.5	2659.6
40°	2219.4	2224.0	2224.0	2242.6	2224.0	2224.0	2219.4	2214.8	2198.6	2189.3	2180.1
42.5°	1790.8	1804.7	1800.1	1814.0	1800.1	1804.7	1790.8	1781.6	1763.0	1746.8	1732.9
45°	1385.4	1394.7	1394.7	1399.3	1394.7	1394.7	1385.4	1376.1	1359.9	1346.0	1336.7
47.5°	1063.3	1063.3	1063.3	1065.7	1063.3	1063.3	1063.3	1047.1	1042.5	1033.3	1021.7
50°	808.5	810.8	813.2	815.5	813.2	810.8	808.5	803.9	801.6	796.9	794.6
52.5°	620.9	623.2	618.6	623.2	618.6	623.2	620.9	623.2	616.2	616.2	613.9
55°	470.3	468.0	470.3	472.6	470.3	468.0	470.3	470.3	468.0	468.0	468.0
57.5°	345.2	340.5	340.5	340.5	340.5	340.5	345.2	342.9	349.9	345.2	347.5
60°	257.2	259.5	259.5	261.8	259.5	259.5	257.2	261.8	261.8	264.1	264.1
62.5°	190.0	196.9	192.2	196.9	192.2	196.9	190.0	192.2	192.2	194.6	196.9
65°	122.8	122.8	122.8	125.1	122.8	122.8	122.8	125.1	127.4	125.1	132.1
67.5°	83.4	85.7	90.4	88.0	90.4	85.7	83.4	85.7	85.7	92.7	90.4
70°	67.2	60.3	60.3	67.2	60.3	60.3	67.2	62.6	60.3	64.8	62.6
72.5°	39.4	34.7	39.4	39.4	39.4	34.7	39.4	34.7	37.1	37.1	41.7
75°	20.9	18.5	16.2	23.2	16.2	18.5	20.9	20.9	20.9	20.9	23.2
77.5°	13.9	11.5	16.2	16.2	16.2	11.5	13.9	11.5	13.9	11.5	13.9
80°	7.0	9.2	7.0	11.5	7.0	9.2	7.0	11.5	7.0	9.2	9.2
82.5°	2.3	4.7	4.7	4.7	4.7	4.7	2.3	2.3	4.7	4.7	2.3
85°	0.0	4.7	2.3	2.3	2.3	4.7	0.0	0.0	0.0	0.0	0.0
87.5°	2.3	0.0	0.0	2.3	0.0	0.0	2.3	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: P248879

CATALOG NUMBER: LD8B100D010 ER8B100830 8LBSW0B

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	4744.6	4744.6	4744.6	4744.6	4744.6	4744.6	4744.6	4744.6	4744.6	4744.6	4744.6
2.5°	4793.2	4786.3	4788.7	4774.7	4774.7	4770.1	4772.4	4760.8	4756.2	4751.6	4758.5
5°	4862.7	4851.2	4841.9	4821.1	4809.4	4795.6	4788.7	4770.1	4753.8	4739.9	4737.6
7.5°	4918.3	4892.9	4876.7	4848.8	4828.0	4811.8	4788.7	4763.1	4742.3	4723.7	4709.9
10°	4941.5	4916.0	4890.6	4855.8	4832.6	4802.5	4779.3	4746.9	4719.1	4693.7	4677.4
12.5°	4943.8	4911.4	4888.2	4848.8	4818.7	4786.3	4760.8	4723.7	4691.3	4665.8	4640.4
15°	4923.0	4892.9	4865.0	4823.4	4793.2	4763.1	4733.1	4693.7	4663.5	4633.4	4614.9
17.5°	4876.7	4848.8	4816.4	4777.0	4749.3	4721.4	4689.0	4656.6	4621.8	4589.4	4566.2
20°	4816.4	4786.3	4758.5	4719.1	4696.0	4665.8	4635.7	4601.0	4573.1	4540.7	4515.3
22.5°	4726.1	4698.3	4672.8	4649.6	4612.5	4589.4	4568.6	4529.2	4501.3	4471.2	4443.5
25°	4596.3	4568.6	4547.7	4519.8	4503.6	4478.2	4457.3	4422.6	4397.1	4369.3	4346.1
27.5°	4383.2	4367.0	4355.3	4339.1	4325.3	4313.7	4302.1	4274.3	4255.8	4230.3	4207.2
30°	4063.5	4061.2	4054.2	4047.2	4056.5	4056.5	4056.5	4051.9	4035.7	4017.1	4000.9
32.5°	3653.4	3658.1	3667.3	3674.3	3692.8	3713.7	3732.2	3741.4	3741.4	3729.9	3722.9
35°	3164.6	3171.6	3185.5	3204.0	3227.2	3252.6	3294.3	3303.7	3310.5	3310.5	3301.3
37.5°	2657.2	2654.9	2668.9	2685.1	2699.0	2717.5	2747.6	2754.6	2766.1	2761.5	2752.2
40°	2163.8	2152.2	2147.5	2152.2	2168.4	2161.5	2168.4	2163.8	2163.8	2147.5	2147.5
42.5°	1707.4	1693.5	1684.2	1677.3	1677.3	1661.0	1649.5	1638.0	1631.0	1619.4	1617.1
45°	1315.9	1299.6	1288.1	1283.4	1276.5	1255.7	1241.7	1227.8	1211.6	1207.0	1209.3
47.5°	1021.7	1005.4	1000.8	989.2	977.6	966.1	956.8	940.6	938.2	929.0	938.2
50°	787.7	783.1	776.1	771.4	764.5	755.2	746.0	736.7	732.1	732.1	734.3
52.5°	611.6	613.9	606.9	600.0	595.4	595.4	583.8	581.5	581.5	572.2	581.5
55°	468.0	465.6	468.0	463.3	463.3	456.4	456.4	449.4	449.4	442.5	447.1
57.5°	342.9	347.5	342.9	345.2	349.9	342.9	340.5	333.6	338.2	333.6	335.9
60°	266.4	266.4	266.4	264.1	264.1	261.8	261.8	259.5	259.5	254.8	259.5
62.5°	196.9	199.2	199.2	199.2	201.6	199.2	196.9	199.2	196.9	196.9	199.2
65°	129.8	132.1	132.1	129.8	134.4	129.8	132.1	134.4	136.6	134.4	136.6
67.5°	88.0	88.0	90.4	92.7	90.4	92.7	95.0	92.7	95.0	99.6	95.0
70°	64.8	67.2	67.2	64.8	62.6	64.8	62.6	69.5	69.5	69.5	74.1
72.5°	41.7	41.7	39.4	39.4	39.4	39.4	39.4	46.3	41.7	39.4	44.1
75°	23.2	25.5	25.5	18.5	20.9	25.5	18.5	20.9	27.8	23.2	27.8
77.5°	13.9	13.9	13.9	13.9	13.9	13.9	18.5	16.2	16.2	16.2	18.5
80°	11.5	9.2	9.2	7.0	9.2	9.2	9.2	13.9	11.5	11.5	13.9
82.5°	4.7	4.7	2.3	0.0	4.7	4.7	4.7	4.7	4.7	4.7	9.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	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: P248879

CATALOG NUMBER: LD8B100D010 ER8B100830 8LBSW0B

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	4744.6	4744.6	4744.6	4744.6	4744.6	4744.6	4744.6	4744.6	4744.6	4744.6	4744.6
2.5°	4739.9	4739.9	4737.6	4733.1	4723.7	4723.7	4721.4	4714.5	4709.9	4707.5	4707.5
5°	4716.8	4707.5	4698.3	4672.8	4672.8	4668.1	4654.3	4644.9	4640.4	4628.7	4624.2
7.5°	4696.0	4668.1	4651.9	4635.7	4614.9	4605.6	4589.4	4582.4	4566.2	4554.6	4547.7
10°	4644.9	4626.4	4605.6	4580.1	4563.9	4545.4	4526.8	4513.0	4492.1	4480.5	4471.2
12.5°	4610.2	4582.4	4563.9	4536.1	4508.3	4492.1	4466.6	4450.4	4429.5	4406.4	4392.4
15°	4577.8	4547.7	4522.2	4492.1	4462.0	4443.5	4413.3	4394.8	4364.7	4341.5	4325.3
17.5°	4529.2	4503.6	4475.9	4438.8	4411.0	4387.9	4355.3	4332.3	4304.4	4274.3	4258.1
20°	4478.2	4448.0	4420.3	4383.2	4355.3	4327.6	4295.2	4269.7	4237.2	4209.5	4191.0
22.5°	4411.0	4376.2	4353.1	4316.0	4283.5	4253.5	4223.4	4193.2	4163.1	4139.9	4119.1
25°	4313.7	4276.6	4251.1	4221.0	4191.0	4167.8	4130.7	4112.2	4082.1	4061.2	4040.3
27.5°	4174.6	4146.9	4123.7	4093.6	4068.1	4049.6	4021.8	4003.3	3977.7	3959.2	3943.0
30°	3970.9	3947.7	3926.8	3896.7	3878.2	3862.0	3836.4	3820.2	3801.7	3780.8	3776.2
32.5°	3697.5	3678.9	3658.1	3637.2	3623.3	3614.0	3593.2	3583.9	3565.4	3553.8	3542.2
35°	3285.1	3268.8	3257.3	3248.1	3243.4	3245.7	3241.1	3250.3	3254.9	3252.6	3254.9
37.5°	2745.3	2736.0	2740.7	2747.6	2770.8	2800.9	2828.7	2870.3	2898.2	2926.0	2951.5
40°	2143.0	2149.9	2168.4	2210.1	2270.4	2337.6	2400.1	2478.9	2557.7	2613.3	2664.2
42.5°	1617.1	1638.0	1684.2	1744.5	1834.9	1934.4	2031.8	2147.5	2242.6	2335.2	2400.1
45°	1216.3	1244.0	1304.3	1387.7	1487.3	1603.1	1726.0	1855.7	1969.2	2064.2	2136.0
47.5°	947.6	973.0	1033.3	1121.3	1244.0	1364.6	1492.0	1626.3	1744.5	1837.2	1899.7
50°	748.3	780.7	834.0	926.7	1049.5	1176.9	1309.0	1440.9	1552.2	1631.0	1686.6
52.5°	588.4	618.6	669.5	766.9	892.0	1019.4	1142.1	1271.9	1369.1	1445.6	1482.7
55°	456.4	484.2	537.4	618.6	736.7	861.8	984.6	1095.8	1186.1	1241.7	1276.5
57.5°	347.5	368.4	405.5	486.5	593.1	708.9	813.2	924.4	993.9	1033.3	1056.4
60°	264.1	280.4	319.7	382.3	479.6	579.2	667.2	750.7	806.2	838.7	861.8
62.5°	199.2	217.8	245.5	298.8	372.9	454.1	528.2	590.7	637.1	658.0	674.2
65°	136.6	150.6	171.5	213.1	275.7	333.6	391.5	437.9	468.0	491.2	500.4
67.5°	101.9	111.2	122.8	155.2	199.2	245.5	284.9	317.3	349.9	359.1	375.3
70°	76.5	83.4	95.0	118.1	143.6	176.0	208.5	227.0	250.2	266.4	271.1
72.5°	48.6	50.9	62.6	76.5	97.3	118.1	139.0	155.2	169.2	178.4	183.0
75°	27.8	41.7	41.7	55.6	69.5	78.8	92.7	104.2	111.2	118.1	118.1
77.5°	18.5	25.5	27.8	34.7	41.7	53.3	64.8	71.8	78.8	81.1	81.1
80°	16.2	18.5	18.5	25.5	30.1	39.4	46.3	48.6	53.3	55.6	60.3
82.5°	7.0	9.2	11.5	18.5	20.9	20.9	27.8	30.1	34.7	37.1	37.1
85°	2.3	4.7	4.7	7.0	11.5	13.9	16.2	18.5	20.9	20.9	23.2
87.5°	2.3	2.3	0.0	2.3	4.7	4.7	9.2	9.2	9.2	13.9	13.9
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: P248879

CATALOG NUMBER: LD8B100D010 ER8B100830 8LBSW0B

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	4744.6	4744.6	4744.6	4744.6	4744.6	4744.6	4744.6
2.5°	4702.9	4705.2	4696.0	4693.7	4689.0	4691.3	4696.0
5°	4617.2	4619.5	4610.2	4601.0	4601.0	4598.6	4601.0
7.5°	4536.1	4538.4	4524.5	4519.8	4510.6	4513.0	4513.0
10°	4455.0	4455.0	4434.2	4431.8	4424.9	4422.6	4422.6
12.5°	4376.2	4369.3	4353.1	4343.8	4348.5	4334.6	4334.6
15°	4306.7	4295.2	4274.3	4267.3	4255.8	4251.1	4251.1
17.5°	4234.9	4225.7	4207.2	4193.2	4179.3	4177.0	4179.3
20°	4165.4	4156.1	4133.0	4123.7	4112.2	4112.2	4107.5
22.5°	4095.9	4086.6	4065.8	4058.9	4042.7	4042.7	4045.0
25°	4024.1	4017.1	3993.9	3989.4	3987.1	3977.7	3982.4
27.5°	3926.8	3922.1	3903.6	3896.7	3887.4	3885.1	3889.7
30°	3748.4	3741.4	3727.6	3720.7	3704.4	3706.7	3711.3
32.5°	3526.0	3516.8	3498.2	3491.2	3477.4	3472.7	3475.0
35°	3248.1	3241.1	3224.9	3224.9	3211.0	3206.3	3211.0
37.5°	2965.4	2972.3	2965.4	2972.3	2965.4	2963.0	2965.4
40°	2699.0	2724.5	2729.0	2754.6	2745.3	2759.2	2756.9
42.5°	2444.1	2485.8	2502.1	2522.9	2518.3	2527.5	2534.5
45°	2186.9	2221.7	2237.9	2251.9	2254.2	2258.8	2261.1
47.5°	1943.7	1971.5	1973.8	1990.0	1987.7	1987.7	1994.7
50°	1716.7	1735.2	1739.8	1751.4	1742.2	1737.5	1739.8
52.5°	1505.9	1524.4	1519.7	1524.4	1512.8	1508.2	1510.5
55°	1290.4	1299.6	1299.6	1299.6	1285.8	1285.8	1285.8
57.5°	1070.3	1072.7	1068.0	1070.3	1068.0	1054.1	1051.8
60°	868.8	868.8	866.4	868.8	861.8	854.9	854.9
62.5°	678.8	683.4	692.7	683.4	678.8	683.4	676.5
65°	507.4	516.6	514.3	518.9	516.6	516.6	512.0
67.5°	382.3	384.6	386.9	389.2	389.2	389.2	389.2
70°	280.4	287.3	284.9	284.9	284.9	284.9	298.8
72.5°	187.7	196.9	194.6	199.2	199.2	203.9	199.2
75°	127.4	136.6	132.1	139.0	136.6	132.1	143.6
77.5°	85.7	90.4	92.7	95.0	92.7	90.4	92.7
80°	60.3	64.8	62.6	64.8	64.8	64.8	67.2
82.5°	37.1	44.1	41.7	44.1	41.7	44.1	44.1
85°	25.5	27.8	23.2	27.8	25.5	25.5	30.1
87.5°	16.2	13.9	13.9	16.2	13.9	16.2	13.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)