

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: P248580

Luminaire Tested: **LD8B80D010 ER8B80850 8LBSW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248580
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: LD8B80D010 ER8B80850 8LBSW0H
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 5000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8479.0 lumens
Efficiency: N/A
Efficacy: 114.0 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

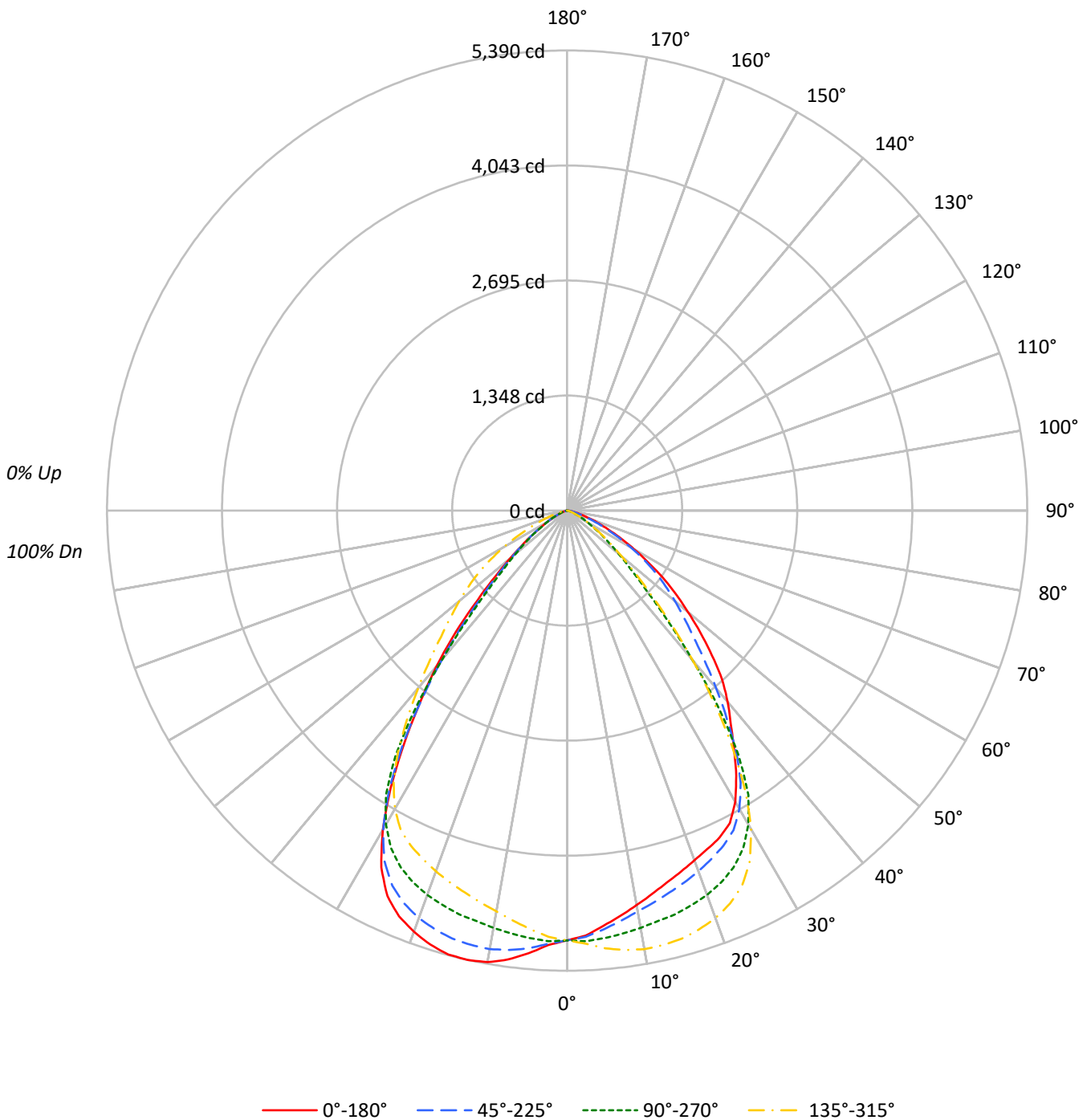
Input Watts (W): 74.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P248580

CATALOG NUMBER: LD8B80D010 ER8B80850 8LBSW0H

Luminous Intensity Polar Plot





TEST NUMBER: P248580

CATALOG NUMBER: LD8B80D010 ER8B80850 8LBSW0H

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	155221	155221	155221	155221
5°	151099	155585	161141	155585
10°	146919	155383	168158	155383
15°	143984	156304	171838	156304
20°	143003	157199	172280	157199
25°	143755	156882	169512	156882
30°	140201	151140	153857	151140
35°	128239	131845	125095	131845
40°	117739	91715	95776	91715
45°	104614	55951	64738	55951
50°	88548	37376	41506	37376
55°	73336	25504	26956	25504
60°	55937	16978	17126	16978
65°	39635	10580	9682	10580
70°	28590	7087	6428	7087
75°	18157	3515	2931	3515
80°	12661	2628	2166	2628
85°	11322	0	849	0



TEST NUMBER: P248580

CATALOG NUMBER: LD8B80D010 ER8B80850 8LBSW0H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	479.1	5.7
10°-20°	1387.4	16.4
20°-30°	2100.9	24.8
30°-40°	2105.6	24.8
40°-50°	1322.2	15.6
50°-60°	704.6	8.3
60°-70°	289.7	3.4
70°-80°	76.5	0.9
80°-90°	12.9	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°	3967.4	46.8
0°-40°	6073.0	71.6
0°-60°	8099.8	95.5
0°-90°	8479.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8479.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	5034	5034	5034	5034	5034	
5°	4881	5026	5206	5026	4881	460
15°	4510	4896	5383	4896	4510	1276
25°	4225	4611	4982	4611	4225	1938
35°	3407	3502	3323	3502	3407	2134
45°	2399	1283	1484	1283	2399	1845
55°	1364	474	501	474	1364	1216
65°	543	145	133	145	543	563
75°	152	30	25	30	152	173
85°	32	0	2	0	32	35
90°	0	0	0	0	0	



TEST NUMBER: P248580

CATALOG NUMBER: LD8B80D010 ER8B80850 8LBSW0H

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	5033.7	5033.7	5033.7	5033.7	5033.7	5033.7	5033.7	5033.7	5033.7	5033.7	5033.7
2.5°	4982.1	4977.2	4974.7	4979.7	4982.1	4991.9	4989.5	4994.4	4994.4	4996.9	5001.7
5°	4881.4	4878.8	4881.4	4881.4	4891.2	4901.0	4898.6	4905.9	4910.8	4923.1	4928.0
7.5°	4788.0	4788.0	4785.4	4795.3	4800.2	4815.0	4812.5	4824.8	4832.2	4844.4	4861.6
10°	4692.1	4692.1	4694.5	4701.9	4704.4	4726.5	4726.5	4743.7	4753.5	4765.8	4788.0
12.5°	4598.7	4598.7	4613.5	4608.5	4618.3	4635.5	4642.9	4660.1	4674.9	4699.5	4721.6
15°	4510.2	4510.2	4515.1	4527.4	4534.8	4556.9	4569.2	4588.9	4606.1	4630.7	4662.6
17.5°	4434.0	4431.6	4434.0	4448.8	4463.5	4483.2	4493.0	4517.6	4534.8	4566.7	4596.3
20°	4357.8	4362.8	4362.8	4375.0	4384.8	4409.4	4419.2	4446.3	4466.0	4495.4	4529.9
22.5°	4291.4	4289.0	4289.0	4306.2	4313.6	4335.7	4345.5	4370.1	4392.2	4416.8	4448.8
25°	4225.1	4220.1	4230.0	4232.5	4237.3	4261.9	4269.3	4286.5	4308.6	4330.8	4362.8
27.5°	4126.7	4121.9	4124.3	4134.1	4141.5	4161.1	4166.1	4183.3	4200.5	4220.1	4247.2
30°	3937.5	3932.6	3930.2	3947.4	3954.8	3969.4	3976.8	4006.4	4011.2	4033.4	4053.0
32.5°	3686.8	3684.3	3689.3	3704.0	3711.3	3731.1	3740.9	3758.1	3770.3	3782.7	3802.3
35°	3406.6	3401.7	3406.6	3421.4	3421.4	3438.6	3446.0	3453.3	3450.8	3453.3	3448.4
37.5°	3146.1	3143.6	3146.1	3153.4	3146.1	3153.4	3146.1	3131.4	3104.3	3074.8	3045.3
40°	2924.9	2927.3	2912.6	2922.4	2895.3	2890.5	2863.5	2826.5	2772.5	2713.5	2630.0
42.5°	2688.9	2681.6	2671.7	2676.6	2654.5	2637.2	2593.0	2546.4	2477.5	2379.3	2278.4
45°	2398.9	2396.5	2391.5	2389.1	2374.3	2357.1	2320.2	2266.2	2190.0	2089.2	1968.7
47.5°	2116.2	2108.8	2108.8	2111.3	2094.1	2091.6	2062.1	2015.5	1949.1	1850.8	1725.4
50°	1845.8	1843.4	1848.3	1858.2	1845.8	1841.0	1821.3	1789.4	1730.4	1646.8	1528.7
52.5°	1602.5	1600.1	1605.0	1617.3	1612.3	1617.3	1597.6	1573.1	1533.7	1452.6	1349.4
55°	1364.1	1364.1	1364.1	1378.8	1378.8	1378.8	1369.0	1354.3	1317.4	1258.4	1162.6
57.5°	1115.9	1118.3	1133.1	1135.5	1133.1	1138.0	1135.5	1120.7	1096.3	1054.5	980.7
60°	907.0	907.0	914.4	921.7	919.2	921.7	921.7	914.4	889.8	855.4	796.4
62.5°	717.7	725.1	720.1	725.1	734.9	725.1	720.1	715.3	698.1	675.9	626.7
65°	543.2	548.1	548.1	550.6	545.6	548.1	538.3	530.9	521.1	496.5	464.6
67.5°	413.0	413.0	413.0	413.0	410.4	408.0	405.6	398.2	381.0	371.2	336.7
70°	317.1	302.3	302.3	302.3	302.3	304.8	297.4	287.6	282.7	265.5	240.9
72.5°	211.3	216.3	211.3	211.3	206.5	208.9	199.1	194.1	189.3	179.5	164.7
75°	152.4	140.1	145.0	147.5	140.1	145.0	135.2	125.3	125.3	118.0	110.6
77.5°	98.3	95.9	98.3	100.8	98.3	95.9	91.0	86.0	86.0	83.6	76.2
80°	71.3	68.8	68.8	68.8	66.4	68.8	63.9	63.9	59.0	56.6	51.6
82.5°	46.7	46.7	44.2	46.7	44.2	46.7	39.4	39.4	39.4	36.8	32.0
85°	32.0	27.0	27.0	29.5	24.6	29.5	27.0	24.6	22.2	22.2	19.6
87.5°	14.8	17.2	14.8	17.2	14.8	14.8	17.2	14.8	14.8	9.8	9.8
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: P248580

CATALOG NUMBER: LD8B80D010 ER8B80850 8LBSW0H

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	5033.7	5033.7	5033.7	5033.7	5033.7	5033.7	5033.7	5033.7	5033.7	5033.7	5033.7
2.5°	5009.1	5011.6	5011.6	5021.5	5026.3	5028.8	5028.8	5048.5	5041.1	5046.1	5050.9
5°	4937.9	4952.6	4957.5	4957.5	4984.5	4994.4	5004.2	5026.3	5028.8	5043.5	5060.7
7.5°	4869.0	4886.2	4896.1	4918.2	4935.4	4952.6	4982.1	4996.9	5011.6	5031.3	5053.3
10°	4802.6	4822.4	4842.0	4859.2	4886.2	4908.4	4928.0	4962.4	4979.7	5006.7	5036.1
12.5°	4738.8	4765.8	4783.0	4812.5	4842.0	4861.6	4891.2	4923.1	4950.1	4977.2	5011.6
15°	4682.3	4714.2	4733.9	4765.8	4797.8	4824.8	4856.8	4896.1	4915.8	4947.7	4979.7
17.5°	4620.7	4655.2	4679.8	4709.3	4748.6	4778.1	4805.2	4844.4	4869.0	4903.4	4940.3
20°	4556.9	4591.3	4620.7	4650.3	4689.6	4719.1	4751.1	4790.4	4817.4	4851.8	4881.4
22.5°	4480.7	4512.7	4544.6	4579.0	4618.3	4642.9	4679.8	4714.2	4743.7	4775.6	4805.2
25°	4382.4	4421.7	4446.3	4478.2	4510.2	4537.2	4576.5	4610.9	4635.5	4665.1	4692.1
27.5°	4266.9	4296.4	4316.0	4343.0	4375.0	4399.6	4429.0	4463.5	4488.1	4515.1	4534.8
30°	4070.2	4097.3	4114.5	4134.1	4166.1	4188.3	4212.8	4244.7	4261.9	4281.6	4298.8
32.5°	3812.1	3834.3	3844.1	3858.9	3881.0	3903.1	3922.8	3949.8	3957.2	3969.4	3969.4
35°	3438.6	3443.5	3441.0	3446.0	3455.8	3468.0	3485.2	3502.4	3512.2	3512.2	3505.0
37.5°	3001.0	2971.6	2939.6	2915.1	2907.7	2902.7	2912.6	2919.9	2929.8	2934.7	2922.4
40°	2546.4	2480.0	2408.7	2344.8	2300.6	2280.9	2273.5	2278.4	2278.4	2295.6	2295.6
42.5°	2155.6	2052.3	1946.7	1850.8	1786.8	1737.8	1715.6	1715.6	1718.0	1730.4	1737.8
45°	1831.1	1700.8	1577.9	1472.3	1383.8	1319.8	1290.4	1283.0	1280.6	1285.4	1302.6
47.5°	1582.9	1447.7	1319.8	1189.6	1096.3	1032.3	1005.3	995.4	985.6	995.4	997.9
50°	1388.7	1248.6	1113.5	983.2	884.8	828.3	793.9	779.1	776.7	776.7	781.6
52.5°	1211.7	1081.5	946.3	813.6	710.3	656.3	624.3	616.9	607.1	616.9	616.9
55°	1044.6	914.4	781.6	656.3	570.2	513.7	484.2	474.4	469.4	476.8	476.8
57.5°	862.8	752.1	629.3	516.2	430.2	390.8	368.7	356.4	353.9	358.8	353.9
60°	707.9	614.5	508.8	405.6	339.2	297.4	280.2	275.3	270.3	275.3	275.3
62.5°	560.4	481.8	395.7	317.1	260.5	231.1	211.3	211.3	208.9	208.9	211.3
65°	415.4	353.9	292.5	226.1	181.9	159.7	145.0	145.0	142.5	145.0	142.5
67.5°	302.3	260.5	211.3	164.7	130.3	118.0	108.1	100.8	105.7	100.8	98.3
70°	221.3	186.8	152.4	125.3	100.8	88.5	81.1	78.6	73.8	73.8	73.8
72.5°	147.5	125.3	103.2	81.1	66.4	54.0	51.6	46.7	41.8	44.2	49.2
75°	98.3	83.6	73.8	59.0	44.2	44.2	29.5	29.5	24.6	29.5	22.2
77.5°	68.8	56.6	44.2	36.8	29.5	27.0	19.6	19.6	17.2	17.2	17.2
80°	49.2	41.8	32.0	27.0	19.6	19.6	17.2	14.8	12.2	12.2	14.8
82.5°	29.5	22.2	22.2	19.6	12.2	9.8	7.4	9.8	5.0	5.0	5.0
85°	17.2	14.8	12.2	7.4	5.0	5.0	2.4	0.0	2.4	2.4	0.0
87.5°	9.8	5.0	5.0	2.4	0.0	2.4	2.4	0.0	0.0	0.0	5.0
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: P248580

CATALOG NUMBER: LD8B80D010 ER8B80850 8LBSW0H

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	5033.7	5033.7	5033.7	5033.7	5033.7	5033.7	5033.7	5033.7	5033.7	5033.7	5033.7
2.5°	5063.3	5060.7	5065.7	5065.7	5080.5	5077.9	5085.3	5085.3	5080.5	5082.9	5092.7
5°	5080.5	5087.8	5102.5	5114.9	5136.9	5146.8	5159.1	5171.4	5173.8	5181.2	5188.6
7.5°	5080.5	5105.0	5122.2	5144.3	5173.8	5191.0	5218.0	5240.2	5250.0	5262.3	5277.0
10°	5070.5	5095.1	5127.1	5151.7	5188.6	5215.6	5242.6	5277.0	5291.8	5311.4	5331.1
12.5°	5050.9	5077.9	5112.3	5144.3	5186.1	5210.7	5245.1	5277.0	5299.2	5326.2	5348.3
15°	5021.5	5053.3	5085.3	5117.3	5161.5	5191.0	5223.0	5259.8	5282.0	5311.4	5331.1
17.5°	4974.7	5009.1	5038.7	5068.1	5109.9	5144.3	5173.8	5208.2	5230.4	5255.0	5282.0
20°	4918.2	4950.1	4982.1	5006.7	5048.5	5077.9	5109.9	5141.9	5159.1	5164.0	5205.8
22.5°	4847.0	4869.0	4893.6	4933.0	4957.5	4984.5	5014.1	5043.5	5060.7	5087.8	5102.5
25°	4728.9	4751.1	4778.1	4795.3	4824.8	4847.0	4876.4	4908.4	4918.2	4937.9	4952.6
27.5°	4564.3	4576.5	4588.9	4603.5	4620.7	4633.1	4650.3	4665.1	4674.9	4684.7	4694.5
30°	4303.7	4303.7	4303.7	4293.9	4301.3	4308.6	4311.1	4308.6	4308.6	4306.2	4306.2
32.5°	3959.6	3940.0	3917.8	3898.2	3890.8	3881.0	3876.0	3868.7	3856.4	3849.0	3851.5
35°	3495.1	3450.8	3423.8	3399.2	3379.6	3364.8	3357.5	3350.1	3347.6	3337.8	3327.9
37.5°	2915.1	2883.1	2863.5	2848.7	2831.5	2816.7	2819.1	2821.7	2829.0	2824.1	2826.5
40°	2300.6	2293.2	2300.6	2283.4	2278.4	2283.4	2295.6	2312.9	2322.7	2332.5	2349.7
42.5°	1750.0	1762.2	1779.5	1779.5	1786.8	1796.7	1811.4	1838.5	1853.2	1870.4	1890.1
45°	1317.4	1332.2	1354.3	1361.6	1366.6	1378.8	1396.1	1418.2	1428.0	1442.8	1460.0
47.5°	1015.1	1024.9	1037.2	1049.5	1061.8	1066.7	1083.9	1083.9	1096.3	1106.1	1110.9
50°	791.4	801.3	811.1	818.4	823.4	830.8	835.6	843.0	845.5	850.4	852.8
52.5°	619.4	631.7	631.7	636.5	643.9	651.3	648.9	651.3	653.7	653.7	661.1
55°	484.2	484.2	491.6	491.6	496.5	494.0	496.5	496.5	496.5	496.5	499.0
57.5°	361.3	363.8	371.2	366.2	363.8	368.7	363.8	368.7	366.2	371.2	363.8
60°	277.7	277.7	280.2	280.2	282.7	282.7	282.7	280.2	280.2	277.7	277.7
62.5°	208.9	211.3	213.9	211.3	211.3	211.3	208.9	208.9	206.5	204.0	204.0
65°	140.1	137.7	142.5	137.7	140.1	140.1	137.7	140.1	132.7	135.2	132.7
67.5°	100.8	98.3	95.9	98.3	95.9	93.4	93.4	95.9	98.3	91.0	91.0
70°	66.4	68.8	66.4	68.8	71.3	71.3	68.8	66.4	68.8	63.9	66.4
72.5°	41.8	41.8	41.8	41.8	41.8	44.2	44.2	44.2	39.4	39.4	36.8
75°	19.6	27.0	22.2	19.6	27.0	27.0	24.6	24.6	22.2	22.2	22.2
77.5°	19.6	14.8	14.8	14.8	14.8	14.8	14.8	14.8	12.2	14.8	12.2
80°	9.8	9.8	9.8	7.4	9.8	9.8	12.2	9.8	9.8	7.4	12.2
82.5°	5.0	5.0	5.0	0.0	2.4	5.0	5.0	2.4	5.0	5.0	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: P248580

CATALOG NUMBER: LD8B80D010 ER8B80850 8LBSW0H

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	5033.7	5033.7	5033.7	5033.7	5033.7	5033.7	5033.7	5033.7	5033.7	5033.7	5033.7
2.5°	5090.3	5087.8	5090.3	5092.7	5090.3	5087.8	5090.3	5092.7	5082.9	5080.5	5085.3
5°	5198.4	5198.4	5203.3	5205.8	5203.3	5198.4	5198.4	5188.6	5181.2	5173.8	5171.4
7.5°	5291.8	5296.8	5301.6	5304.0	5301.6	5296.8	5291.8	5277.0	5262.3	5250.0	5240.2
10°	5348.3	5355.7	5365.5	5370.4	5365.5	5355.7	5348.3	5331.1	5311.4	5291.8	5277.0
12.5°	5372.9	5380.3	5392.6	5390.1	5392.6	5380.3	5372.9	5348.3	5326.2	5299.2	5277.0
15°	5355.7	5365.5	5377.8	5382.7	5377.8	5365.5	5355.7	5331.1	5311.4	5282.0	5259.8
17.5°	5301.6	5316.4	5323.8	5331.1	5323.8	5316.4	5301.6	5282.0	5255.0	5230.4	5208.2
20°	5227.9	5237.8	5247.6	5250.0	5247.6	5237.8	5227.9	5205.8	5164.0	5159.1	5141.9
22.5°	5122.2	5129.6	5151.7	5144.3	5151.7	5129.6	5122.2	5102.5	5087.8	5060.7	5043.5
25°	4969.8	4977.2	4979.7	4982.1	4979.7	4977.2	4969.8	4952.6	4937.9	4918.2	4908.4
27.5°	4706.8	4706.8	4711.7	4714.2	4711.7	4706.8	4706.8	4694.5	4684.7	4674.9	4665.1
30°	4308.6	4308.6	4308.6	4321.0	4308.6	4308.6	4308.6	4306.2	4306.2	4308.6	4308.6
32.5°	3849.0	3844.1	3839.2	3844.1	3839.2	3844.1	3849.0	3851.5	3849.0	3856.4	3868.7
35°	3327.9	3325.5	3332.9	3323.1	3332.9	3325.5	3327.9	3327.9	3337.8	3347.6	3350.1
37.5°	2829.0	2824.1	2833.9	2824.1	2833.9	2824.1	2829.0	2826.5	2824.1	2829.0	2821.7
40°	2354.7	2359.5	2359.5	2379.3	2359.5	2359.5	2354.7	2349.7	2332.5	2322.7	2312.9
42.5°	1899.9	1914.7	1909.7	1924.5	1909.7	1914.7	1899.9	1890.1	1870.4	1853.2	1838.5
45°	1469.8	1479.7	1479.7	1484.5	1479.7	1479.7	1469.8	1460.0	1442.8	1428.0	1418.2
47.5°	1128.1	1128.1	1128.1	1130.7	1128.1	1128.1	1128.1	1110.9	1106.1	1096.3	1083.9
50°	857.8	860.2	862.8	865.2	862.8	860.2	857.8	852.8	850.4	845.5	843.0
52.5°	658.7	661.1	656.3	661.1	656.3	661.1	658.7	661.1	653.7	653.7	651.3
55°	499.0	496.5	499.0	501.4	499.0	496.5	499.0	499.0	496.5	496.5	496.5
57.5°	366.2	361.3	361.3	361.3	361.3	361.3	366.2	363.8	371.2	366.2	368.7
60°	272.9	275.3	275.3	277.7	275.3	275.3	272.9	277.7	277.7	280.2	280.2
62.5°	201.5	208.9	204.0	208.9	204.0	208.9	201.5	204.0	204.0	206.5	208.9
65°	130.3	130.3	130.3	132.7	130.3	130.3	130.3	132.7	135.2	132.7	140.1
67.5°	88.5	91.0	95.9	93.4	95.9	91.0	88.5	91.0	91.0	98.3	95.9
70°	71.3	63.9	63.9	71.3	63.9	63.9	71.3	66.4	63.9	68.8	66.4
72.5°	41.8	36.8	41.8	41.8	41.8	36.8	41.8	36.8	39.4	39.4	44.2
75°	22.2	19.6	17.2	24.6	17.2	19.6	22.2	22.2	22.2	22.2	24.6
77.5°	14.8	12.2	17.2	17.2	17.2	12.2	14.8	12.2	14.8	12.2	14.8
80°	7.4	9.8	7.4	12.2	7.4	9.8	7.4	12.2	7.4	9.8	9.8
82.5°	2.4	5.0	5.0	5.0	5.0	5.0	2.4	2.4	5.0	5.0	2.4
85°	0.0	5.0	2.4	2.4	2.4	5.0	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: P248580

CATALOG NUMBER: LD8B80D010 ER8B80850 8LBSW0H

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	5033.7	5033.7	5033.7	5033.7	5033.7	5033.7	5033.7	5033.7	5033.7	5033.7	5033.7
2.5°	5085.3	5077.9	5080.5	5065.7	5065.7	5060.7	5063.3	5050.9	5046.1	5041.1	5048.5
5°	5159.1	5146.8	5136.9	5114.9	5102.5	5087.8	5080.5	5060.7	5043.5	5028.8	5026.3
7.5°	5218.0	5191.0	5173.8	5144.3	5122.2	5105.0	5080.5	5053.3	5031.3	5011.6	4996.9
10°	5242.6	5215.6	5188.6	5151.7	5127.1	5095.1	5070.5	5036.1	5006.7	4979.7	4962.4
12.5°	5245.1	5210.7	5186.1	5144.3	5112.3	5077.9	5050.9	5011.6	4977.2	4950.1	4923.1
15°	5223.0	5191.0	5161.5	5117.3	5085.3	5053.3	5021.5	4979.7	4947.7	4915.8	4896.1
17.5°	5173.8	5144.3	5109.9	5068.1	5038.7	5009.1	4974.7	4940.3	4903.4	4869.0	4844.4
20°	5109.9	5077.9	5048.5	5006.7	4982.1	4950.1	4918.2	4881.4	4851.8	4817.4	4790.4
22.5°	5014.1	4984.5	4957.5	4933.0	4893.6	4869.0	4847.0	4805.2	4775.6	4743.7	4714.2
25°	4876.4	4847.0	4824.8	4795.3	4778.1	4751.1	4728.9	4692.1	4665.1	4635.5	4610.9
27.5°	4650.3	4633.1	4620.7	4603.5	4588.9	4576.5	4564.3	4534.8	4515.1	4488.1	4463.5
30°	4311.1	4308.6	4301.3	4293.9	4303.7	4303.7	4303.7	4298.8	4281.6	4261.9	4244.7
32.5°	3876.0	3881.0	3890.8	3898.2	3917.8	3940.0	3959.6	3969.4	3969.4	3957.2	3949.8
35°	3357.5	3364.8	3379.6	3399.2	3423.8	3450.8	3495.1	3505.0	3512.2	3512.2	3502.4
37.5°	2819.1	2816.7	2831.5	2848.7	2863.5	2883.1	2915.1	2922.4	2934.7	2929.8	2919.9
40°	2295.6	2283.4	2278.4	2283.4	2300.6	2293.2	2300.6	2295.6	2295.6	2278.4	2278.4
42.5°	1811.4	1796.7	1786.8	1779.5	1779.5	1762.2	1750.0	1737.8	1730.4	1718.0	1715.6
45°	1396.1	1378.8	1366.6	1361.6	1354.3	1332.2	1317.4	1302.6	1285.4	1280.6	1283.0
47.5°	1083.9	1066.7	1061.8	1049.5	1037.2	1024.9	1015.1	997.9	995.4	985.6	995.4
50°	835.6	830.8	823.4	818.4	811.1	801.3	791.4	781.6	776.7	776.7	779.1
52.5°	648.9	651.3	643.9	636.5	631.7	631.7	619.4	616.9	616.9	607.1	616.9
55°	496.5	494.0	496.5	491.6	491.6	484.2	484.2	476.8	476.8	469.4	474.4
57.5°	363.8	368.7	363.8	366.2	371.2	363.8	361.3	353.9	358.8	353.9	356.4
60°	282.7	282.7	282.7	280.2	280.2	277.7	277.7	275.3	275.3	270.3	275.3
62.5°	208.9	211.3	211.3	211.3	213.9	211.3	208.9	211.3	208.9	208.9	211.3
65°	137.7	140.1	140.1	137.7	142.5	137.7	140.1	142.5	145.0	142.5	145.0
67.5°	93.4	93.4	95.9	98.3	95.9	98.3	100.8	98.3	100.8	105.7	100.8
70°	68.8	71.3	71.3	68.8	66.4	68.8	66.4	73.8	73.8	73.8	78.6
72.5°	44.2	44.2	41.8	41.8	41.8	41.8	41.8	49.2	44.2	41.8	46.7
75°	24.6	27.0	27.0	19.6	22.2	27.0	19.6	22.2	29.5	24.6	29.5
77.5°	14.8	14.8	14.8	14.8	14.8	14.8	19.6	17.2	17.2	17.2	19.6
80°	12.2	9.8	9.8	7.4	9.8	9.8	9.8	14.8	12.2	12.2	14.8
82.5°	5.0	5.0	2.4	0.0	5.0	5.0	5.0	5.0	5.0	5.0	9.8
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	5.0	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: P248580

CATALOG NUMBER: LD8B80D010 ER8B80850 8LBSW0H

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	5033.7	5033.7	5033.7	5033.7	5033.7	5033.7	5033.7	5033.7	5033.7	5033.7	5033.7
2.5°	5028.8	5028.8	5026.3	5021.5	5011.6	5011.6	5009.1	5001.7	4996.9	4994.4	4994.4
5°	5004.2	4994.4	4984.5	4957.5	4957.5	4952.6	4937.9	4928.0	4923.1	4910.8	4905.9
7.5°	4982.1	4952.6	4935.4	4918.2	4896.1	4886.2	4869.0	4861.6	4844.4	4832.2	4824.8
10°	4928.0	4908.4	4886.2	4859.2	4842.0	4822.4	4802.6	4788.0	4765.8	4753.5	4743.7
12.5°	4891.2	4861.6	4842.0	4812.5	4783.0	4765.8	4738.8	4721.6	4699.5	4674.9	4660.1
15°	4856.8	4824.8	4797.8	4765.8	4733.9	4714.2	4682.3	4662.6	4630.7	4606.1	4588.9
17.5°	4805.2	4778.1	4748.6	4709.3	4679.8	4655.2	4620.7	4596.3	4566.7	4534.8	4517.6
20°	4751.1	4719.1	4689.6	4650.3	4620.7	4591.3	4556.9	4529.9	4495.4	4466.0	4446.3
22.5°	4679.8	4642.9	4618.3	4579.0	4544.6	4512.7	4480.7	4448.8	4416.8	4392.2	4370.1
25°	4576.5	4537.2	4510.2	4478.2	4446.3	4421.7	4382.4	4362.8	4330.8	4308.6	4286.5
27.5°	4429.0	4399.6	4375.0	4343.0	4316.0	4296.4	4266.9	4247.2	4220.1	4200.5	4183.3
30°	4212.8	4188.3	4166.1	4134.1	4114.5	4097.3	4070.2	4053.0	4033.4	4011.2	4006.4
32.5°	3922.8	3903.1	3881.0	3858.9	3844.1	3834.3	3812.1	3802.3	3782.7	3770.3	3758.1
35°	3485.2	3468.0	3455.8	3446.0	3441.0	3443.5	3438.6	3448.4	3453.3	3450.8	3453.3
37.5°	2912.6	2902.7	2907.7	2915.1	2939.6	2971.6	3001.0	3045.3	3074.8	3104.3	3131.4
40°	2273.5	2280.9	2300.6	2344.8	2408.7	2480.0	2546.4	2630.0	2713.5	2772.5	2826.5
42.5°	1715.6	1737.8	1786.8	1850.8	1946.7	2052.3	2155.6	2278.4	2379.3	2477.5	2546.4
45°	1290.4	1319.8	1383.8	1472.3	1577.9	1700.8	1831.1	1968.7	2089.2	2190.0	2266.2
47.5°	1005.3	1032.3	1096.3	1189.6	1319.8	1447.7	1582.9	1725.4	1850.8	1949.1	2015.5
50°	793.9	828.3	884.8	983.2	1113.5	1248.6	1388.7	1528.7	1646.8	1730.4	1789.4
52.5°	624.3	656.3	710.3	813.6	946.3	1081.5	1211.7	1349.4	1452.6	1533.7	1573.1
55°	484.2	513.7	570.2	656.3	781.6	914.4	1044.6	1162.6	1258.4	1317.4	1354.3
57.5°	368.7	390.8	430.2	516.2	629.3	752.1	862.8	980.7	1054.5	1096.3	1120.7
60°	280.2	297.4	339.2	405.6	508.8	614.5	707.9	796.4	855.4	889.8	914.4
62.5°	211.3	231.1	260.5	317.1	395.7	481.8	560.4	626.7	675.9	698.1	715.3
65°	145.0	159.7	181.9	226.1	292.5	353.9	415.4	464.6	496.5	521.1	530.9
67.5°	108.1	118.0	130.3	164.7	211.3	260.5	302.3	336.7	371.2	381.0	398.2
70°	81.1	88.5	100.8	125.3	152.4	186.8	221.3	240.9	265.5	282.7	287.6
72.5°	51.6	54.0	66.4	81.1	103.2	125.3	147.5	164.7	179.5	189.3	194.1
75°	29.5	44.2	44.2	59.0	73.8	83.6	98.3	110.6	118.0	125.3	125.3
77.5°	19.6	27.0	29.5	36.8	44.2	56.6	68.8	76.2	83.6	86.0	86.0
80°	17.2	19.6	19.6	27.0	32.0	41.8	49.2	51.6	56.6	59.0	63.9
82.5°	7.4	9.8	12.2	19.6	22.2	22.2	29.5	32.0	36.8	39.4	39.4
85°	2.4	5.0	5.0	7.4	12.2	14.8	17.2	19.6	22.2	22.2	24.6
87.5°	2.4	2.4	0.0	2.4	5.0	5.0	9.8	9.8	9.8	14.8	14.8
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: P248580

CATALOG NUMBER: LD8B80D010 ER8B80850 8LBSW0H

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	5033.7	5033.7	5033.7	5033.7	5033.7	5033.7	5033.7
2.5°	4989.5	4991.9	4982.1	4979.7	4974.7	4977.2	4982.1
5°	4898.6	4901.0	4891.2	4881.4	4881.4	4878.8	4881.4
7.5°	4812.5	4815.0	4800.2	4795.3	4785.4	4788.0	4788.0
10°	4726.5	4726.5	4704.4	4701.9	4694.5	4692.1	4692.1
12.5°	4642.9	4635.5	4618.3	4608.5	4613.5	4598.7	4598.7
15°	4569.2	4556.9	4534.8	4527.4	4515.1	4510.2	4510.2
17.5°	4493.0	4483.2	4463.5	4448.8	4434.0	4431.6	4434.0
20°	4419.2	4409.4	4384.8	4375.0	4362.8	4362.8	4357.8
22.5°	4345.5	4335.7	4313.6	4306.2	4289.0	4289.0	4291.4
25°	4269.3	4261.9	4237.3	4232.5	4230.0	4220.1	4225.1
27.5°	4166.1	4161.1	4141.5	4134.1	4124.3	4121.9	4126.7
30°	3976.8	3969.4	3954.8	3947.4	3930.2	3932.6	3937.5
32.5°	3740.9	3731.1	3711.3	3704.0	3689.3	3684.3	3686.8
35°	3446.0	3438.6	3421.4	3421.4	3406.6	3401.7	3406.6
37.5°	3146.1	3153.4	3146.1	3153.4	3146.1	3143.6	3146.1
40°	2863.5	2890.5	2895.3	2922.4	2912.6	2927.3	2924.9
42.5°	2593.0	2637.2	2654.5	2676.6	2671.7	2681.6	2688.9
45°	2320.2	2357.1	2374.3	2389.1	2391.5	2396.5	2398.9
47.5°	2062.1	2091.6	2094.1	2111.3	2108.8	2108.8	2116.2
50°	1821.3	1841.0	1845.8	1858.2	1848.3	1843.4	1845.8
52.5°	1597.6	1617.3	1612.3	1617.3	1605.0	1600.1	1602.5
55°	1369.0	1378.8	1378.8	1378.8	1364.1	1364.1	1364.1
57.5°	1135.5	1138.0	1133.1	1135.5	1133.1	1118.3	1115.9
60°	921.7	921.7	919.2	921.7	914.4	907.0	907.0
62.5°	720.1	725.1	734.9	725.1	720.1	725.1	717.7
65°	538.3	548.1	545.6	550.6	548.1	548.1	543.2
67.5°	405.6	408.0	410.4	413.0	413.0	413.0	413.0
70°	297.4	304.8	302.3	302.3	302.3	302.3	317.1
72.5°	199.1	208.9	206.5	211.3	211.3	216.3	211.3
75°	135.2	145.0	140.1	147.5	145.0	140.1	152.4
77.5°	91.0	95.9	98.3	100.8	98.3	95.9	98.3
80°	63.9	68.8	66.4	68.8	68.8	68.8	71.3
82.5°	39.4	46.7	44.2	46.7	44.2	46.7	46.7
85°	27.0	29.5	24.6	29.5	27.0	27.0	32.0
87.5°	17.2	14.8	14.8	17.2	14.8	17.2	14.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)