

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: P248897

Luminaire Tested: **LD8B100D010 ER8B100840 8LBSW0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248897
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 ER8B100840 8LBSW0B
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 4000 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8257.0 lumens
Efficiency: N/A
Efficacy: 77.7 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

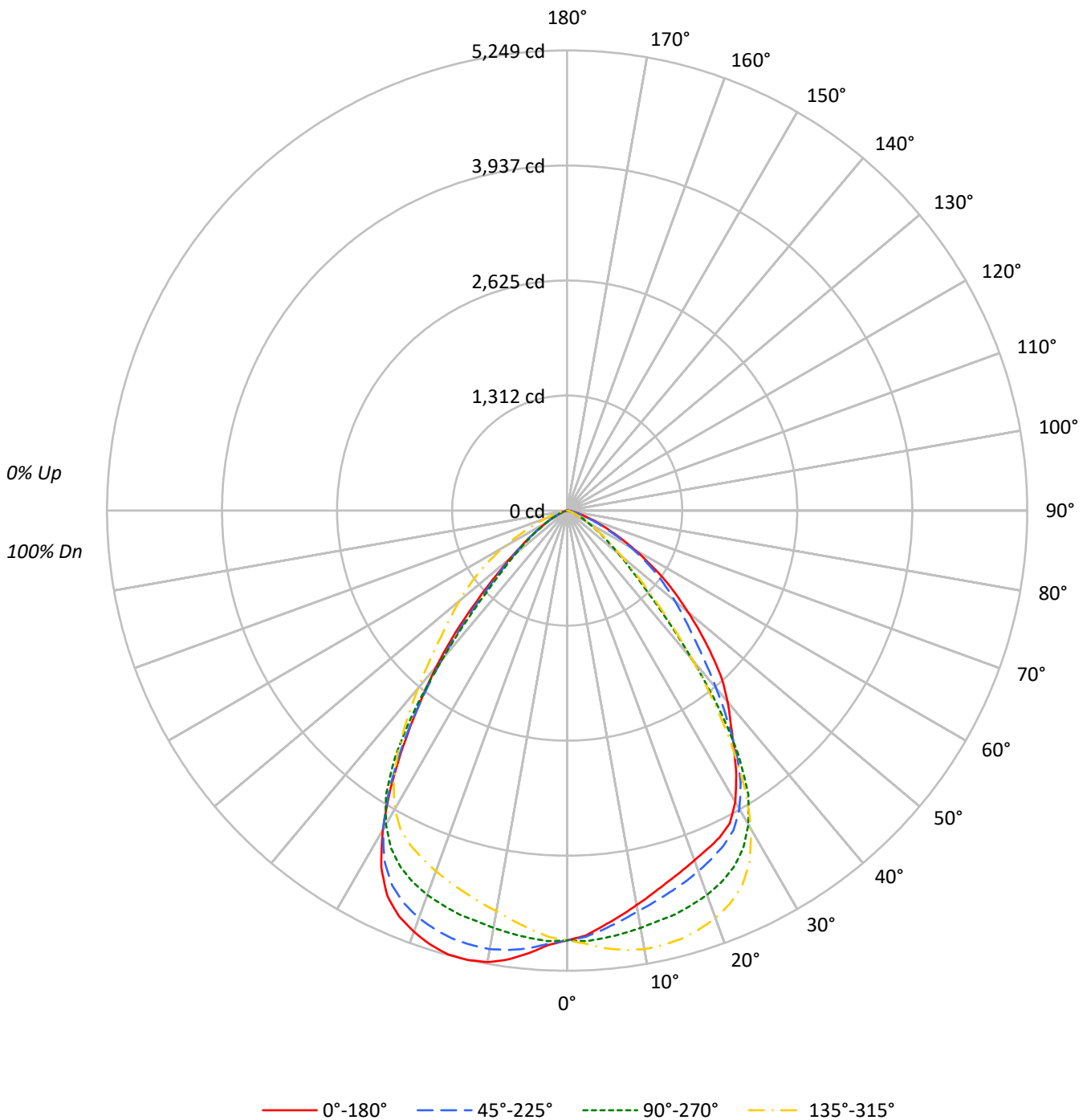
Input Watts (W): 106.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	151157	151157	151157	151157
5°	147140	151511	156922	151511
10°	143071	151315	163756	151315
15°	140214	152211	167340	152211
20°	139258	153083	167772	153083
25°	139992	152775	165075	152775
30°	136530	147184	149829	147184
35°	124881	128393	121820	128393
40°	114655	89315	93268	89315
45°	101875	54485	63046	54485
50°	86231	36397	40417	36397
55°	71417	24838	26252	24838
60°	54469	16534	16676	16534
65°	38591	10303	9434	10303
70°	27841	6897	6266	6897
75°	17681	3431	2848	3431
80°	12342	2557	2113	2557
85°	11003	0	849	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	466.6	5.7
10°-20°	1351.1	16.4
20°-30°	2045.9	24.8
30°-40°	2050.4	24.8
40°-50°	1287.6	15.6
50°-60°	686.1	8.3
60°-70°	282.2	3.4
70°-80°	74.5	0.9
80°-90°	12.6	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°	3863.5	46.8
0°-40°	5914.0	71.6
0°-60°	7887.7	95.5
0°-90°	8257.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8257.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4902	4902	4902	4902	4902	
5°	4754	4895	5070	4895	4754	448
15°	4392	4768	5242	4768	4392	1242
25°	4114	4490	4852	4490	4114	1887
35°	3317	3411	3236	3411	3317	2078
45°	2336	1249	1446	1249	2336	1797
55°	1328	462	488	462	1328	1184
65°	529	141	129	141	529	549
75°	148	29	24	29	148	168
85°	31	0	2	0	31	34
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°	4901.9	4901.9	4901.9	4901.9	4901.9	4901.9	4901.9	4901.9	4901.9	4901.9	4901.9
2.5°	4851.7	4846.8	4844.5	4849.3	4851.7	4861.2	4858.9	4863.6	4863.6	4866.1	4870.8
5°	4753.5	4751.1	4753.5	4753.5	4763.1	4772.7	4770.3	4777.5	4782.2	4794.2	4799.0
7.5°	4662.6	4662.6	4660.2	4669.7	4674.5	4688.9	4686.5	4698.5	4705.7	4717.6	4734.3
10°	4569.2	4569.2	4571.6	4578.8	4581.2	4602.7	4602.7	4619.5	4629.0	4641.0	4662.6
12.5°	4478.3	4478.3	4492.7	4487.8	4497.4	4514.1	4521.3	4538.1	4552.5	4576.4	4598.0
15°	4392.1	4392.1	4396.9	4408.8	4416.0	4437.6	4449.5	4468.7	4485.5	4509.4	4540.6
17.5°	4317.9	4315.5	4317.9	4332.3	4346.7	4365.8	4375.3	4399.3	4416.0	4447.2	4475.9
20°	4243.7	4248.5	4248.5	4260.5	4270.0	4294.0	4303.5	4329.9	4349.0	4377.7	4411.3
22.5°	4179.1	4176.7	4176.7	4193.5	4200.7	4222.1	4231.7	4255.6	4277.2	4301.1	4332.3
25°	4114.5	4109.6	4119.3	4121.6	4126.4	4150.3	4157.5	4174.3	4195.8	4217.4	4248.5
27.5°	4018.7	4014.0	4016.3	4025.9	4033.1	4052.2	4057.0	4073.8	4090.5	4109.6	4136.0
30°	3834.4	3829.6	3827.3	3844.0	3851.2	3865.5	3872.7	3901.5	3906.2	3927.8	3946.9
32.5°	3590.2	3587.9	3592.7	3607.0	3614.2	3633.4	3642.9	3659.7	3671.6	3683.6	3702.7
35°	3317.4	3312.6	3317.4	3331.8	3331.8	3348.6	3355.8	3362.9	3360.5	3362.9	3358.1
37.5°	3063.7	3061.3	3063.7	3070.8	3063.7	3070.8	3063.7	3049.4	3023.1	2994.3	2965.5
40°	2848.3	2850.7	2836.4	2845.9	2819.5	2814.8	2788.5	2752.5	2699.9	2642.5	2561.1
42.5°	2618.5	2611.3	2601.8	2606.5	2585.0	2568.2	2525.1	2479.7	2412.6	2317.0	2218.8
45°	2336.1	2333.7	2328.9	2326.5	2312.1	2295.4	2259.4	2206.8	2132.6	2034.5	1917.2
47.5°	2060.8	2053.6	2053.6	2056.0	2039.2	2036.9	2008.1	1962.7	1898.1	1802.3	1680.2
50°	1797.5	1795.1	1799.9	1809.5	1797.5	1792.8	1773.6	1742.5	1685.1	1603.7	1488.7
52.5°	1560.5	1558.2	1563.0	1574.9	1570.1	1574.9	1555.8	1531.9	1493.6	1414.5	1314.0
55°	1328.4	1328.4	1328.4	1342.7	1342.7	1342.7	1333.2	1318.9	1282.9	1225.5	1132.2
57.5°	1086.7	1089.0	1103.4	1105.8	1103.4	1108.2	1105.8	1091.4	1067.6	1026.9	955.0
60°	883.2	883.2	890.4	897.6	895.1	897.6	897.6	890.4	866.5	833.0	775.5
62.5°	698.9	706.1	701.3	706.1	715.6	706.1	701.3	696.5	679.8	658.2	610.3
65°	528.9	533.8	533.8	536.1	531.3	533.8	524.2	517.0	507.5	483.5	452.4
67.5°	402.2	402.2	402.2	402.2	399.7	397.3	395.0	387.8	371.0	361.5	327.9
70°	308.8	294.4	294.4	294.4	294.4	296.8	289.6	280.1	275.3	258.5	234.6
72.5°	205.8	210.6	205.8	205.8	201.1	203.4	193.9	189.1	184.3	174.8	160.4
75°	148.4	136.4	141.2	143.6	136.4	141.2	131.6	122.1	122.1	114.9	107.7
77.5°	95.8	93.4	95.8	98.1	95.8	93.4	88.6	83.7	83.7	81.4	74.2
80°	69.5	67.0	67.0	67.0	64.6	67.0	62.3	62.3	57.4	55.1	50.2
82.5°	45.5	45.5	43.1	45.5	43.1	45.5	38.3	38.3	38.3	35.9	31.1
85°	31.1	26.3	26.3	28.8	23.9	28.8	26.3	23.9	21.6	21.6	19.1
87.5°	14.4	16.7	14.4	16.7	14.4	14.4	16.7	14.4	14.4	9.6	9.6
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°	4901.9	4901.9	4901.9	4901.9	4901.9	4901.9	4901.9	4901.9	4901.9	4901.9	4901.9
2.5°	4878.0	4880.3	4880.3	4890.0	4894.7	4897.1	4897.1	4916.3	4909.1	4913.9	4918.7
5°	4808.6	4822.9	4827.7	4827.7	4854.0	4863.6	4873.2	4894.7	4897.1	4911.5	4928.2
7.5°	4741.5	4758.3	4767.9	4789.4	4806.2	4822.9	4851.7	4866.1	4880.3	4899.6	4921.0
10°	4676.9	4696.1	4715.2	4732.0	4758.3	4779.9	4799.0	4832.5	4849.3	4875.6	4904.3
12.5°	4614.7	4641.0	4657.8	4686.5	4715.2	4734.3	4763.1	4794.2	4820.5	4846.8	4880.3
15°	4559.7	4590.8	4609.9	4641.0	4672.2	4698.5	4729.6	4767.9	4787.0	4818.2	4849.3
17.5°	4499.8	4533.4	4557.3	4586.0	4624.3	4653.0	4679.4	4717.6	4741.5	4775.0	4811.0
20°	4437.6	4471.1	4499.8	4528.5	4566.9	4595.5	4626.7	4665.0	4691.3	4724.8	4753.5
22.5°	4363.4	4394.5	4425.6	4459.1	4497.4	4521.3	4557.3	4590.8	4619.5	4650.6	4679.4
25°	4267.7	4306.0	4329.9	4361.0	4392.1	4418.4	4456.7	4490.2	4514.1	4542.9	4569.2
27.5°	4155.1	4183.9	4203.0	4229.3	4260.5	4284.4	4313.1	4346.7	4370.6	4396.9	4416.0
30°	3963.6	3990.0	4006.8	4025.9	4057.0	4078.6	4102.5	4133.6	4150.3	4169.5	4186.3
32.5°	3712.3	3733.9	3743.4	3757.8	3779.4	3800.9	3820.1	3846.4	3853.6	3865.5	3865.5
35°	3348.6	3353.3	3350.9	3355.8	3365.3	3377.2	3394.0	3410.7	3420.3	3420.3	3413.2
37.5°	2922.5	2893.8	2862.7	2838.7	2831.5	2826.7	2836.4	2843.5	2853.1	2857.8	2845.9
40°	2479.7	2415.1	2345.6	2283.4	2240.3	2221.2	2214.0	2218.8	2218.8	2235.5	2235.5
42.5°	2099.1	1998.6	1895.7	1802.3	1740.0	1692.3	1670.7	1670.7	1673.1	1685.1	1692.3
45°	1783.2	1656.3	1536.6	1433.7	1347.5	1285.3	1256.6	1249.4	1247.1	1251.8	1268.5
47.5°	1541.4	1409.8	1285.3	1158.5	1067.6	1005.3	979.0	969.3	959.8	969.3	971.8
50°	1352.4	1215.9	1084.3	957.4	861.6	806.6	773.1	758.7	756.3	756.3	761.2
52.5°	1180.0	1053.2	921.5	792.3	691.7	639.1	608.0	600.8	591.2	600.8	600.8
55°	1017.2	890.4	761.2	639.1	555.3	500.3	471.5	462.0	457.1	464.3	464.3
57.5°	840.2	732.4	612.8	502.6	418.9	380.6	359.0	347.1	344.6	349.4	344.6
60°	689.3	598.4	495.5	395.0	330.3	289.6	272.9	268.1	263.2	268.1	268.1
62.5°	545.7	469.1	385.3	308.8	253.7	225.0	205.8	205.8	203.4	203.4	205.8
65°	404.5	344.6	284.8	220.2	177.1	155.6	141.2	141.2	138.8	141.2	138.8
67.5°	294.4	253.7	205.8	160.4	126.9	114.9	105.3	98.1	103.0	98.1	95.8
70°	215.5	181.9	148.4	122.1	98.1	86.2	79.0	76.5	71.8	71.8	71.8
72.5°	143.6	122.1	100.5	79.0	64.6	52.6	50.2	45.5	40.7	43.1	47.9
75°	95.8	81.4	71.8	57.4	43.1	43.1	28.8	28.8	23.9	28.8	21.6
77.5°	67.0	55.1	43.1	35.9	28.8	26.3	19.1	19.1	16.7	16.7	16.7
80°	47.9	40.7	31.1	26.3	19.1	19.1	16.7	14.4	11.9	11.9	14.4
82.5°	28.8	21.6	21.6	19.1	11.9	9.6	7.2	9.6	4.8	4.8	4.8
85°	16.7	14.4	11.9	7.2	4.8	4.8	2.4	0.0	2.4	2.4	0.0
87.5°	9.6	4.8	4.8	2.4	0.0	2.4	2.4	0.0	0.0	0.0	4.8
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°	4901.9	4901.9	4901.9	4901.9	4901.9	4901.9	4901.9	4901.9	4901.9	4901.9	4901.9
2.5°	4930.7	4928.2	4933.1	4933.1	4947.4	4945.0	4952.2	4952.2	4947.4	4949.8	4959.4
5°	4947.4	4954.6	4968.9	4980.9	5002.4	5012.1	5024.0	5036.0	5038.4	5045.6	5052.8
7.5°	4947.4	4971.4	4988.1	5009.6	5038.4	5055.1	5081.4	5103.0	5112.6	5124.5	5138.9
10°	4937.8	4961.7	4992.9	5016.8	5052.8	5079.1	5105.4	5138.9	5153.2	5172.4	5191.6
12.5°	4918.7	4945.0	4978.5	5009.6	5050.3	5074.2	5107.7	5138.9	5160.4	5186.7	5208.3
15°	4890.0	4921.0	4952.2	4983.3	5026.3	5055.1	5086.2	5122.1	5143.7	5172.4	5191.6
17.5°	4844.5	4878.0	4906.7	4935.4	4976.1	5009.6	5038.4	5071.9	5093.4	5117.4	5143.7
20°	4789.4	4820.5	4851.7	4875.6	4916.3	4945.0	4976.1	5007.2	5024.0	5028.8	5069.5
22.5°	4720.1	4741.5	4765.5	4803.8	4827.7	4854.0	4882.8	4911.5	4928.2	4954.6	4968.9
25°	4605.1	4626.7	4653.0	4669.7	4698.5	4720.1	4748.7	4779.9	4789.4	4808.6	4822.9
27.5°	4444.8	4456.7	4468.7	4483.0	4499.8	4511.8	4528.5	4542.9	4552.5	4562.0	4571.6
30°	4191.0	4191.0	4191.0	4181.4	4188.6	4195.8	4198.2	4195.8	4195.8	4193.5	4193.5
32.5°	3855.9	3836.8	3815.3	3796.1	3788.9	3779.4	3774.6	3767.4	3755.5	3748.3	3750.6
35°	3403.5	3360.5	3334.2	3310.2	3291.1	3276.7	3269.6	3262.4	3260.0	3250.4	3240.8
37.5°	2838.7	2807.6	2788.5	2774.1	2757.4	2743.0	2745.3	2747.8	2754.9	2750.2	2752.5
40°	2240.3	2233.1	2240.3	2223.6	2218.8	2223.6	2235.5	2252.3	2261.9	2271.5	2288.2
42.5°	1704.2	1716.1	1733.0	1733.0	1740.0	1749.7	1764.0	1790.4	1804.7	1821.4	1840.6
45°	1282.9	1297.3	1318.9	1326.0	1330.8	1342.7	1359.6	1381.0	1390.6	1405.0	1421.7
47.5°	988.5	998.1	1010.0	1022.0	1034.0	1038.8	1055.5	1055.5	1067.6	1077.1	1081.8
50°	770.7	780.3	789.8	797.0	801.8	809.0	813.8	821.0	823.3	828.2	830.5
52.5°	603.1	615.2	615.2	619.9	627.1	634.3	631.9	634.3	636.6	636.6	643.8
55°	471.5	471.5	478.7	478.7	483.5	481.1	483.5	483.5	483.5	483.5	485.9
57.5°	351.8	354.3	361.5	356.6	354.3	359.0	354.3	359.0	356.6	361.5	354.3
60°	270.4	270.4	272.9	272.9	275.3	275.3	275.3	272.9	272.9	270.4	270.4
62.5°	203.4	205.8	208.3	205.8	205.8	205.8	203.4	203.4	201.1	198.6	198.6
65°	136.4	134.1	138.8	134.1	136.4	136.4	134.1	136.4	129.3	131.6	129.3
67.5°	98.1	95.8	93.4	95.8	93.4	90.9	90.9	93.4	95.8	88.6	88.6
70°	64.6	67.0	64.6	67.0	69.5	69.5	67.0	64.6	67.0	62.3	64.6
72.5°	40.7	40.7	40.7	40.7	40.7	43.1	43.1	43.1	38.3	38.3	35.9
75°	19.1	26.3	21.6	19.1	26.3	26.3	23.9	23.9	21.6	21.6	21.6
77.5°	19.1	14.4	14.4	14.4	14.4	14.4	14.4	14.4	11.9	14.4	11.9
80°	9.6	9.6	9.6	7.2	9.6	9.6	11.9	9.6	9.6	7.2	11.9
82.5°	4.8	4.8	4.8	0.0	2.4	4.8	4.8	2.4	4.8	4.8	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: P248897

CATALOG NUMBER: LD8B100D010 ER8B100840 8LBSW0B

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	4901.9	4901.9	4901.9	4901.9	4901.9	4901.9	4901.9	4901.9	4901.9	4901.9	4901.9
2.5°	4957.0	4954.6	4957.0	4959.4	4957.0	4954.6	4957.0	4959.4	4949.8	4947.4	4952.2
5°	5062.3	5062.3	5067.0	5069.5	5067.0	5062.3	5062.3	5052.8	5045.6	5038.4	5036.0
7.5°	5153.2	5158.1	5162.8	5165.2	5162.8	5158.1	5153.2	5138.9	5124.5	5112.6	5103.0
10°	5208.3	5215.5	5225.1	5229.8	5225.1	5215.5	5208.3	5191.6	5172.4	5153.2	5138.9
12.5°	5232.3	5239.4	5251.4	5249.0	5251.4	5239.4	5232.3	5208.3	5186.7	5160.4	5138.9
15°	5215.5	5225.1	5237.0	5241.8	5237.0	5225.1	5215.5	5191.6	5172.4	5143.7	5122.1
17.5°	5162.8	5177.2	5184.4	5191.6	5184.4	5177.2	5162.8	5143.7	5117.4	5093.4	5071.9
20°	5091.0	5100.6	5110.2	5112.6	5110.2	5100.6	5091.0	5069.5	5028.8	5024.0	5007.2
22.5°	4988.1	4995.3	5016.8	5009.6	5016.8	4995.3	4988.1	4968.9	4954.6	4928.2	4911.5
25°	4839.7	4846.8	4849.3	4851.7	4849.3	4846.8	4839.7	4822.9	4808.6	4789.4	4779.9
27.5°	4583.6	4583.6	4588.3	4590.8	4588.3	4583.6	4583.6	4571.6	4562.0	4552.5	4542.9
30°	4195.8	4195.8	4195.8	4207.9	4195.8	4195.8	4195.8	4193.5	4193.5	4195.8	4195.8
32.5°	3748.3	3743.4	3738.7	3743.4	3738.7	3743.4	3748.3	3750.6	3748.3	3755.5	3767.4
35°	3240.8	3238.4	3245.6	3236.1	3245.6	3238.4	3240.8	3240.8	3250.4	3260.0	3262.4
37.5°	2754.9	2750.2	2759.7	2750.2	2759.7	2750.2	2754.9	2752.5	2750.2	2754.9	2747.8
40°	2293.0	2297.8	2297.8	2317.0	2297.8	2297.8	2293.0	2288.2	2271.5	2261.9	2252.3
42.5°	1850.2	1864.6	1859.7	1874.1	1859.7	1864.6	1850.2	1840.6	1821.4	1804.7	1790.4
45°	1431.3	1440.9	1440.9	1445.7	1440.9	1440.9	1431.3	1421.7	1405.0	1390.6	1381.0
47.5°	1098.6	1098.6	1098.6	1101.1	1098.6	1098.6	1098.6	1081.8	1077.1	1067.6	1055.5
50°	835.3	837.7	840.2	842.5	840.2	837.7	835.3	830.5	828.2	823.3	821.0
52.5°	641.5	643.8	639.1	643.8	639.1	643.8	641.5	643.8	636.6	636.6	634.3
55°	485.9	483.5	485.9	488.3	485.9	483.5	485.9	485.9	483.5	483.5	483.5
57.5°	356.6	351.8	351.8	351.8	351.8	351.8	356.6	354.3	361.5	356.6	359.0
60°	265.7	268.1	268.1	270.4	268.1	268.1	265.7	270.4	270.4	272.9	272.9
62.5°	196.3	203.4	198.6	203.4	198.6	203.4	196.3	198.6	198.6	201.1	203.4
65°	126.9	126.9	126.9	129.3	126.9	126.9	126.9	129.3	131.6	129.3	136.4
67.5°	86.2	88.6	93.4	90.9	93.4	88.6	86.2	88.6	88.6	95.8	93.4
70°	69.5	62.3	62.3	69.5	62.3	62.3	69.5	64.6	62.3	67.0	64.6
72.5°	40.7	35.9	40.7	40.7	40.7	35.9	40.7	35.9	38.3	38.3	43.1
75°	21.6	19.1	16.7	23.9	16.7	19.1	21.6	21.6	21.6	21.6	23.9
77.5°	14.4	11.9	16.7	16.7	16.7	11.9	14.4	11.9	14.4	11.9	14.4
80°	7.2	9.6	7.2	11.9	7.2	9.6	7.2	11.9	7.2	9.6	9.6
82.5°	2.4	4.8	4.8	4.8	4.8	4.8	2.4	2.4	4.8	4.8	2.4
85°	0.0	4.8	2.4	2.4	2.4	4.8	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: P248897

CATALOG NUMBER: LD8B100D010 ER8B100840 8LBSW0B

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	4901.9	4901.9	4901.9	4901.9	4901.9	4901.9	4901.9	4901.9	4901.9	4901.9	4901.9
2.5°	4952.2	4945.0	4947.4	4933.1	4933.1	4928.2	4930.7	4918.7	4913.9	4909.1	4916.3
5°	5024.0	5012.1	5002.4	4980.9	4968.9	4954.6	4947.4	4928.2	4911.5	4897.1	4894.7
7.5°	5081.4	5055.1	5038.4	5009.6	4988.1	4971.4	4947.4	4921.0	4899.6	4880.3	4866.1
10°	5105.4	5079.1	5052.8	5016.8	4992.9	4961.7	4937.8	4904.3	4875.6	4849.3	4832.5
12.5°	5107.7	5074.2	5050.3	5009.6	4978.5	4945.0	4918.7	4880.3	4846.8	4820.5	4794.2
15°	5086.2	5055.1	5026.3	4983.3	4952.2	4921.0	4890.0	4849.3	4818.2	4787.0	4767.9
17.5°	5038.4	5009.6	4976.1	4935.4	4906.7	4878.0	4844.5	4811.0	4775.0	4741.5	4717.6
20°	4976.1	4945.0	4916.3	4875.6	4851.7	4820.5	4789.4	4753.5	4724.8	4691.3	4665.0
22.5°	4882.8	4854.0	4827.7	4803.8	4765.5	4741.5	4720.1	4679.4	4650.6	4619.5	4590.8
25°	4748.7	4720.1	4698.5	4669.7	4653.0	4626.7	4605.1	4569.2	4542.9	4514.1	4490.2
27.5°	4528.5	4511.8	4499.8	4483.0	4468.7	4456.7	4444.8	4416.0	4396.9	4370.6	4346.7
30°	4198.2	4195.8	4188.6	4181.4	4191.0	4191.0	4191.0	4186.3	4169.5	4150.3	4133.6
32.5°	3774.6	3779.4	3788.9	3796.1	3815.3	3836.8	3855.9	3865.5	3865.5	3853.6	3846.4
35°	3269.6	3276.7	3291.1	3310.2	3334.2	3360.5	3403.5	3413.2	3420.3	3420.3	3410.7
37.5°	2745.3	2743.0	2757.4	2774.1	2788.5	2807.6	2838.7	2845.9	2857.8	2853.1	2843.5
40°	2235.5	2223.6	2218.8	2223.6	2240.3	2233.1	2240.3	2235.5	2235.5	2218.8	2218.8
42.5°	1764.0	1749.7	1740.0	1733.0	1733.0	1716.1	1704.2	1692.3	1685.1	1673.1	1670.7
45°	1359.6	1342.7	1330.8	1326.0	1318.9	1297.3	1282.9	1268.5	1251.8	1247.1	1249.4
47.5°	1055.5	1038.8	1034.0	1022.0	1010.0	998.1	988.5	971.8	969.3	959.8	969.3
50°	813.8	809.0	801.8	797.0	789.8	780.3	770.7	761.2	756.3	756.3	758.7
52.5°	631.9	634.3	627.1	619.9	615.2	615.2	603.1	600.8	600.8	591.2	600.8
55°	483.5	481.1	483.5	478.7	478.7	471.5	471.5	464.3	464.3	457.1	462.0
57.5°	354.3	359.0	354.3	356.6	361.5	354.3	351.8	344.6	349.4	344.6	347.1
60°	275.3	275.3	275.3	272.9	272.9	270.4	270.4	268.1	268.1	263.2	268.1
62.5°	203.4	205.8	205.8	205.8	208.3	205.8	203.4	205.8	203.4	203.4	205.8
65°	134.1	136.4	136.4	134.1	138.8	134.1	136.4	138.8	141.2	138.8	141.2
67.5°	90.9	90.9	93.4	95.8	93.4	95.8	98.1	95.8	98.1	103.0	98.1
70°	67.0	69.5	69.5	67.0	64.6	67.0	64.6	71.8	71.8	71.8	76.5
72.5°	43.1	43.1	40.7	40.7	40.7	40.7	40.7	47.9	43.1	40.7	45.5
75°	23.9	26.3	26.3	19.1	21.6	26.3	19.1	21.6	28.8	23.9	28.8
77.5°	14.4	14.4	14.4	14.4	14.4	14.4	19.1	16.7	16.7	16.7	19.1
80°	11.9	9.6	9.6	7.2	9.6	9.6	9.6	14.4	11.9	11.9	14.4
82.5°	4.8	4.8	2.4	0.0	4.8	4.8	4.8	4.8	4.8	4.8	9.6
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	4.8	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: P248897

CATALOG NUMBER: LD8B100D010 ER8B100840 8LBSW0B

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	4901.9	4901.9	4901.9	4901.9	4901.9	4901.9	4901.9	4901.9	4901.9	4901.9	4901.9
2.5°	4897.1	4897.1	4894.7	4890.0	4880.3	4880.3	4878.0	4870.8	4866.1	4863.6	4863.6
5°	4873.2	4863.6	4854.0	4827.7	4827.7	4822.9	4808.6	4799.0	4794.2	4782.2	4777.5
7.5°	4851.7	4822.9	4806.2	4789.4	4767.9	4758.3	4741.5	4734.3	4717.6	4705.7	4698.5
10°	4799.0	4779.9	4758.3	4732.0	4715.2	4696.1	4676.9	4662.6	4641.0	4629.0	4619.5
12.5°	4763.1	4734.3	4715.2	4686.5	4657.8	4641.0	4614.7	4598.0	4576.4	4552.5	4538.1
15°	4729.6	4698.5	4672.2	4641.0	4609.9	4590.8	4559.7	4540.6	4509.4	4485.5	4468.7
17.5°	4679.4	4653.0	4624.3	4586.0	4557.3	4533.4	4499.8	4475.9	4447.2	4416.0	4399.3
20°	4626.7	4595.5	4566.9	4528.5	4499.8	4471.1	4437.6	4411.3	4377.7	4349.0	4329.9
22.5°	4557.3	4521.3	4497.4	4459.1	4425.6	4394.5	4363.4	4332.3	4301.1	4277.2	4255.6
25°	4456.7	4418.4	4392.1	4361.0	4329.9	4306.0	4267.7	4248.5	4217.4	4195.8	4174.3
27.5°	4313.1	4284.4	4260.5	4229.3	4203.0	4183.9	4155.1	4136.0	4109.6	4090.5	4073.8
30°	4102.5	4078.6	4057.0	4025.9	4006.8	3990.0	3963.6	3946.9	3927.8	3906.2	3901.5
32.5°	3820.1	3800.9	3779.4	3757.8	3743.4	3733.9	3712.3	3702.7	3683.6	3671.6	3659.7
35°	3394.0	3377.2	3365.3	3355.8	3350.9	3353.3	3348.6	3358.1	3362.9	3360.5	3362.9
37.5°	2836.4	2826.7	2831.5	2838.7	2862.7	2893.8	2922.5	2965.5	2994.3	3023.1	3049.4
40°	2214.0	2221.2	2240.3	2283.4	2345.6	2415.1	2479.7	2561.1	2642.5	2699.9	2752.5
42.5°	1670.7	1692.3	1740.0	1802.3	1895.7	1998.6	2099.1	2218.8	2317.0	2412.6	2479.7
45°	1256.6	1285.3	1347.5	1433.7	1536.6	1656.3	1783.2	1917.2	2034.5	2132.6	2206.8
47.5°	979.0	1005.3	1067.6	1158.5	1285.3	1409.8	1541.4	1680.2	1802.3	1898.1	1962.7
50°	773.1	806.6	861.6	957.4	1084.3	1215.9	1352.4	1488.7	1603.7	1685.1	1742.5
52.5°	608.0	639.1	691.7	792.3	921.5	1053.2	1180.0	1314.0	1414.5	1493.6	1531.9
55°	471.5	500.3	555.3	639.1	761.2	890.4	1017.2	1132.2	1225.5	1282.9	1318.9
57.5°	359.0	380.6	418.9	502.6	612.8	732.4	840.2	955.0	1026.9	1067.6	1091.4
60°	272.9	289.6	330.3	395.0	495.5	598.4	689.3	775.5	833.0	866.5	890.4
62.5°	205.8	225.0	253.7	308.8	385.3	469.1	545.7	610.3	658.2	679.8	696.5
65°	141.2	155.6	177.1	220.2	284.8	344.6	404.5	452.4	483.5	507.5	517.0
67.5°	105.3	114.9	126.9	160.4	205.8	253.7	294.4	327.9	361.5	371.0	387.8
70°	79.0	86.2	98.1	122.1	148.4	181.9	215.5	234.6	258.5	275.3	280.1
72.5°	50.2	52.6	64.6	79.0	100.5	122.1	143.6	160.4	174.8	184.3	189.1
75°	28.8	43.1	43.1	57.4	71.8	81.4	95.8	107.7	114.9	122.1	122.1
77.5°	19.1	26.3	28.8	35.9	43.1	55.1	67.0	74.2	81.4	83.7	83.7
80°	16.7	19.1	19.1	26.3	31.1	40.7	47.9	50.2	55.1	57.4	62.3
82.5°	7.2	9.6	11.9	19.1	21.6	21.6	28.8	31.1	35.9	38.3	38.3
85°	2.4	4.8	4.8	7.2	11.9	14.4	16.7	19.1	21.6	21.6	23.9
87.5°	2.4	2.4	0.0	2.4	4.8	4.8	9.6	9.6	9.6	14.4	14.4
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: P248897

CATALOG NUMBER: LD8B100D010 ER8B100840 8LBSW0B

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	4901.9	4901.9	4901.9	4901.9	4901.9	4901.9	4901.9
2.5°	4858.9	4861.2	4851.7	4849.3	4844.5	4846.8	4851.7
5°	4770.3	4772.7	4763.1	4753.5	4753.5	4751.1	4753.5
7.5°	4686.5	4688.9	4674.5	4669.7	4660.2	4662.6	4662.6
10°	4602.7	4602.7	4581.2	4578.8	4571.6	4569.2	4569.2
12.5°	4521.3	4514.1	4497.4	4487.8	4492.7	4478.3	4478.3
15°	4449.5	4437.6	4416.0	4408.8	4396.9	4392.1	4392.1
17.5°	4375.3	4365.8	4346.7	4332.3	4317.9	4315.5	4317.9
20°	4303.5	4294.0	4270.0	4260.5	4248.5	4248.5	4243.7
22.5°	4231.7	4222.1	4200.7	4193.5	4176.7	4176.7	4179.1
25°	4157.5	4150.3	4126.4	4121.6	4119.3	4109.6	4114.5
27.5°	4057.0	4052.2	4033.1	4025.9	4016.3	4014.0	4018.7
30°	3872.7	3865.5	3851.2	3844.0	3827.3	3829.6	3834.4
32.5°	3642.9	3633.4	3614.2	3607.0	3592.7	3587.9	3590.2
35°	3355.8	3348.6	3331.8	3331.8	3317.4	3312.6	3317.4
37.5°	3063.7	3070.8	3063.7	3070.8	3063.7	3061.3	3063.7
40°	2788.5	2814.8	2819.5	2845.9	2836.4	2850.7	2848.3
42.5°	2525.1	2568.2	2585.0	2606.5	2601.8	2611.3	2618.5
45°	2259.4	2295.4	2312.1	2326.5	2328.9	2333.7	2336.1
47.5°	2008.1	2036.9	2039.2	2056.0	2053.6	2053.6	2060.8
50°	1773.6	1792.8	1797.5	1809.5	1799.9	1795.1	1797.5
52.5°	1555.8	1574.9	1570.1	1574.9	1563.0	1558.2	1560.5
55°	1333.2	1342.7	1342.7	1342.7	1328.4	1328.4	1328.4
57.5°	1105.8	1108.2	1103.4	1105.8	1103.4	1089.0	1086.7
60°	897.6	897.6	895.1	897.6	890.4	883.2	883.2
62.5°	701.3	706.1	715.6	706.1	701.3	706.1	698.9
65°	524.2	533.8	531.3	536.1	533.8	533.8	528.9
67.5°	395.0	397.3	399.7	402.2	402.2	402.2	402.2
70°	289.6	296.8	294.4	294.4	294.4	294.4	308.8
72.5°	193.9	203.4	201.1	205.8	205.8	210.6	205.8
75°	131.6	141.2	136.4	143.6	141.2	136.4	148.4
77.5°	88.6	93.4	95.8	98.1	95.8	93.4	95.8
80°	62.3	67.0	64.6	67.0	67.0	67.0	69.5
82.5°	38.3	45.5	43.1	45.5	43.1	45.5	45.5
85°	26.3	28.8	23.9	28.8	26.3	26.3	31.1
87.5°	16.7	14.4	14.4	16.7	14.4	16.7	14.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)