

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: P248825

Luminaire Tested: **LD8B100D010 ER8B100935 8LBSW0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248825
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 ER8B100935 8LBSW0GPH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
90 CRI 3500 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8585.0 lumens
Efficiency: N/A
Efficacy: 80.8 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

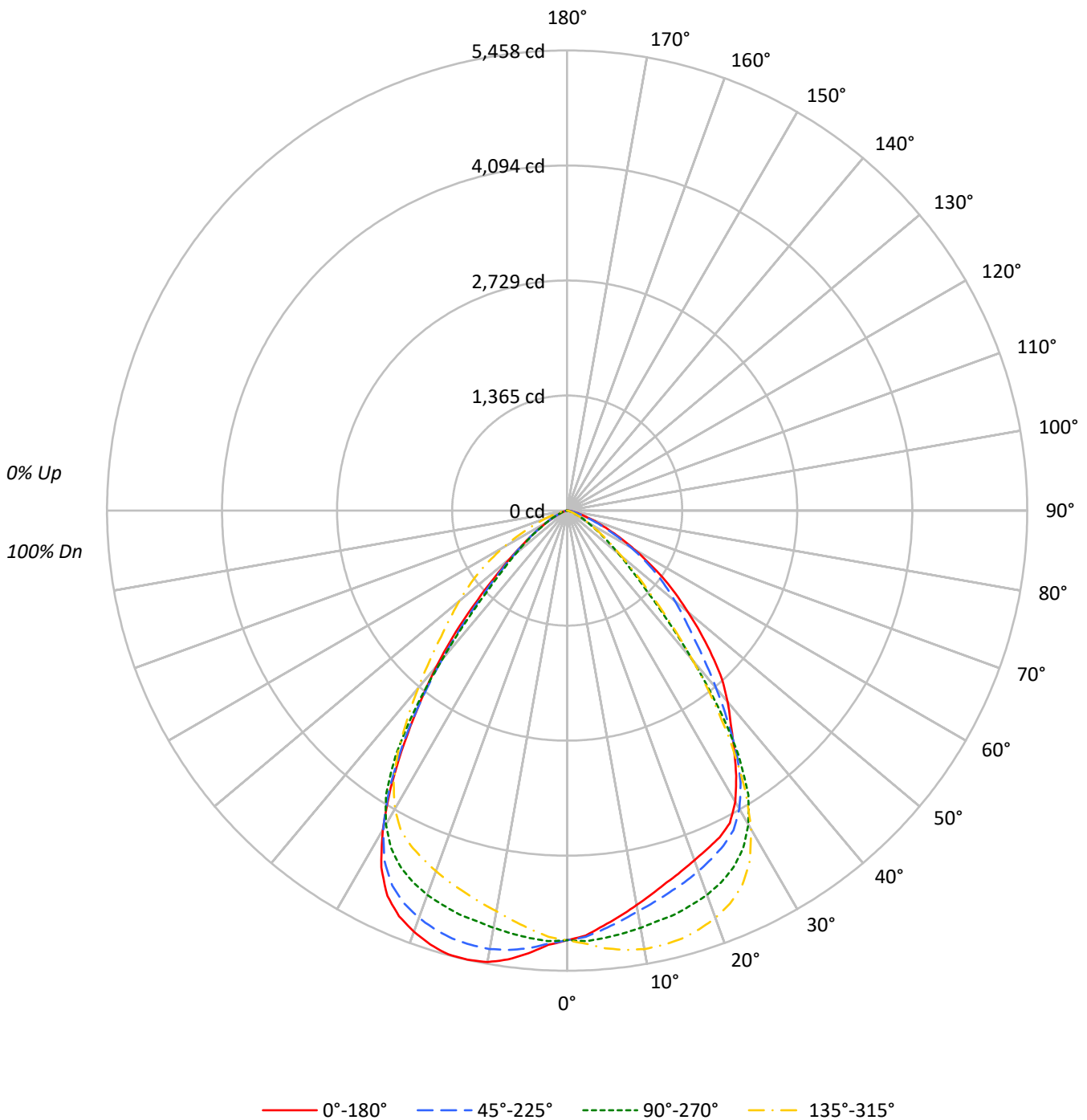
Input Watts (W): 106.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	157160	157160	157160	157160
5°	152988	157532	163156	157532
10°	148754	157324	170259	157324
15°	145785	158257	173986	158257
20°	144791	159164	174433	159164
25°	145552	158845	171631	158845
30°	141953	153031	155779	153031
35°	129842	133494	126658	133494
40°	119208	92862	96972	92862
45°	105922	56653	65549	56653
50°	89656	37841	42024	37841
55°	74255	25822	27295	25822
60°	56634	17188	17342	17188
65°	40131	10711	9806	10711
70°	28941	7177	6510	7177
75°	18384	3562	2967	3562
80°	12821	2664	2202	2664
85°	11463	0	885	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	485.1	5.7
10°-20°	1404.8	16.4
20°-30°	2127.1	24.8
30°-40°	2131.9	24.8
40°-50°	1338.7	15.6
50°-60°	713.4	8.3
60°-70°	293.4	3.4
70°-80°	77.5	0.9
80°-90°	13.1	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°	4017.0	46.8
0°-40°	6148.9	71.6
0°-60°	8201.0	95.5
0°-90°	8585.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8585.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	5097	5097	5097	5097	5097	
5°	4942	5089	5271	5089	4942	466
15°	4567	4957	5450	4957	4567	1292
25°	4278	4669	5044	4669	4278	1962
35°	3449	3546	3365	3546	3449	2161
45°	2429	1299	1503	1299	2429	1868
55°	1381	480	508	480	1381	1231
65°	550	147	134	147	550	571
75°	154	30	25	30	154	175
85°	32	0	2	0	32	36
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°	5096.6	5096.6	5096.6	5096.6	5096.6	5096.6	5096.6	5096.6	5096.6	5096.6	5096.6
2.5°	5044.4	5039.4	5036.9	5041.9	5044.4	5054.3	5051.9	5056.8	5056.8	5059.4	5064.3
5°	4942.4	4939.8	4942.4	4942.4	4952.3	4962.3	4959.8	4967.3	4972.2	4984.7	4989.6
7.5°	4847.8	4847.8	4845.3	4855.2	4860.2	4875.2	4872.6	4885.1	4892.6	4905.0	4922.4
10°	4750.7	4750.7	4753.2	4760.7	4763.2	4785.6	4785.6	4803.0	4812.9	4825.4	4847.8
12.5°	4656.2	4656.2	4671.1	4666.1	4676.1	4693.5	4700.9	4718.4	4733.3	4758.2	4780.6
15°	4566.6	4566.6	4571.6	4584.0	4591.4	4613.9	4626.3	4646.2	4663.7	4688.6	4720.9
17.5°	4489.4	4487.0	4489.4	4504.4	4519.3	4539.2	4549.1	4574.0	4591.4	4623.8	4653.7
20°	4412.3	4417.3	4417.3	4429.7	4439.6	4464.5	4474.5	4501.9	4521.8	4551.6	4586.5
22.5°	4345.1	4342.6	4342.6	4360.0	4367.5	4389.9	4399.8	4424.7	4447.1	4472.0	4504.4
25°	4277.9	4272.9	4282.9	4285.4	4290.3	4315.2	4322.7	4340.1	4362.5	4384.9	4417.3
27.5°	4178.3	4173.4	4175.9	4185.8	4193.3	4213.2	4218.2	4235.6	4253.0	4272.9	4300.3
30°	3986.7	3981.8	3979.3	3996.7	4004.2	4019.1	4026.5	4056.4	4061.4	4083.8	4103.7
32.5°	3732.9	3730.4	3735.4	3750.3	3757.7	3777.7	3787.7	3805.1	3817.5	3830.0	3849.8
35°	3449.2	3444.2	3449.2	3464.2	3464.2	3481.6	3489.1	3496.4	3494.0	3496.4	3491.5
37.5°	3185.5	3182.9	3185.5	3192.8	3185.5	3192.8	3185.5	3170.5	3143.1	3113.2	3083.3
40°	2961.4	2963.9	2949.0	2959.0	2931.5	2926.6	2899.3	2861.9	2807.2	2747.5	2662.8
42.5°	2722.6	2715.1	2705.1	2710.1	2687.7	2670.2	2625.5	2578.2	2508.5	2409.0	2306.9
45°	2428.9	2426.4	2421.4	2418.9	2404.0	2386.6	2349.2	2294.5	2217.4	2115.3	1993.3
47.5°	2142.7	2135.2	2135.2	2137.7	2120.3	2117.8	2087.9	2040.7	1973.5	1873.9	1747.0
50°	1868.9	1866.4	1871.4	1881.4	1868.9	1864.0	1844.1	1811.7	1752.0	1667.4	1547.9
52.5°	1622.5	1620.1	1625.1	1637.5	1632.5	1637.5	1617.6	1592.7	1552.9	1470.7	1366.2
55°	1381.2	1381.2	1381.2	1396.1	1396.1	1396.1	1386.1	1371.3	1333.9	1274.2	1177.2
57.5°	1129.8	1132.3	1147.2	1149.7	1147.2	1152.3	1149.7	1134.7	1110.0	1067.7	993.0
60°	918.3	918.3	925.8	933.3	930.7	933.3	933.3	925.8	900.9	866.1	806.4
62.5°	726.7	734.1	729.1	734.1	744.1	734.1	729.1	724.2	706.8	684.4	634.6
65°	550.0	555.0	555.0	557.4	552.4	555.0	545.0	537.6	527.6	502.7	470.4
67.5°	418.1	418.1	418.1	418.1	415.6	413.1	410.7	403.2	385.8	375.8	340.9
70°	321.0	306.1	306.1	306.1	306.1	308.6	301.2	291.2	286.2	268.8	243.9
72.5°	214.0	219.0	214.0	214.0	209.1	211.5	201.6	196.6	191.7	181.7	166.8
75°	154.3	141.9	146.8	149.3	141.9	146.8	136.9	126.9	126.9	119.4	112.0
77.5°	99.6	97.1	99.6	102.0	99.6	97.1	92.1	87.1	87.1	84.6	77.1
80°	72.2	69.7	69.7	69.7	67.2	69.7	64.7	64.7	59.7	57.3	52.2
82.5°	47.3	47.3	44.8	47.3	44.8	47.3	39.8	39.8	39.8	37.3	32.4
85°	32.4	27.3	27.3	29.9	24.9	29.9	27.3	24.9	22.4	22.4	19.9
87.5°	15.0	17.4	15.0	17.4	15.0	15.0	17.4	15.0	15.0	9.9	9.9
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°	5096.6	5096.6	5096.6	5096.6	5096.6	5096.6	5096.6	5096.6	5096.6	5096.6	5096.6
2.5°	5071.8	5074.2	5074.2	5084.2	5089.2	5091.6	5091.6	5111.6	5104.1	5109.1	5114.1
5°	4999.6	5014.5	5019.5	5019.5	5046.9	5056.8	5066.7	5089.2	5091.6	5106.6	5124.0
7.5°	4929.9	4947.3	4957.3	4979.7	4997.1	5014.5	5044.4	5059.4	5074.2	5094.2	5116.5
10°	4862.7	4882.7	4902.5	4919.9	4947.3	4969.7	4989.6	5024.4	5041.9	5069.3	5099.1
12.5°	4798.1	4825.4	4842.8	4872.6	4902.5	4922.4	4952.3	4984.7	5012.0	5039.4	5074.2
15°	4740.8	4773.2	4793.0	4825.4	4857.8	4885.1	4917.5	4957.3	4977.2	5009.6	5041.9
17.5°	4678.5	4713.4	4738.3	4768.1	4808.0	4837.8	4865.2	4905.0	4929.9	4964.7	5002.1
20°	4613.9	4648.7	4678.5	4708.4	4748.3	4778.1	4810.4	4850.3	4877.6	4912.5	4942.4
22.5°	4536.7	4569.1	4601.4	4636.2	4676.1	4700.9	4738.3	4773.2	4803.0	4835.3	4865.2
25°	4437.2	4477.0	4501.9	4534.2	4566.6	4593.9	4633.7	4668.6	4693.5	4723.4	4750.7
27.5°	4320.2	4350.1	4370.0	4397.3	4429.7	4454.6	4484.4	4519.3	4544.2	4571.6	4591.4
30°	4121.1	4148.5	4165.9	4185.8	4218.2	4240.6	4265.5	4297.8	4315.2	4335.2	4352.6
32.5°	3859.8	3882.2	3892.1	3907.1	3929.5	3951.9	3971.8	3999.2	4006.7	4019.1	4019.1
35°	3481.6	3486.5	3484.0	3489.1	3499.0	3511.4	3528.8	3546.2	3556.2	3556.2	3548.8
37.5°	3038.6	3008.8	2976.4	2951.5	2944.0	2939.0	2949.0	2956.4	2966.5	2971.4	2959.0
40°	2578.2	2511.0	2438.8	2374.1	2329.3	2309.4	2302.0	2306.9	2306.9	2324.3	2324.3
42.5°	2182.5	2078.0	1971.0	1873.9	1809.2	1759.5	1737.1	1737.1	1739.5	1752.0	1759.5
45°	1854.0	1722.1	1597.6	1490.7	1401.1	1336.3	1306.5	1299.1	1296.6	1301.5	1318.9
47.5°	1602.7	1465.8	1336.3	1204.5	1110.0	1045.2	1017.9	1007.8	997.9	1007.8	1010.4
50°	1406.1	1264.2	1127.4	995.4	895.9	838.6	803.8	788.8	786.4	786.4	791.4
52.5°	1226.8	1095.0	958.2	823.8	719.2	664.5	632.1	624.6	614.7	624.6	624.6
55°	1057.6	925.8	791.4	664.5	577.3	520.2	490.2	480.3	475.3	482.8	482.8
57.5°	873.5	761.5	637.1	522.6	435.5	395.7	373.3	360.9	358.3	363.3	358.3
60°	716.7	622.2	515.1	410.7	343.5	301.2	283.7	278.7	273.7	278.7	278.7
62.5°	567.4	487.8	400.6	321.0	263.8	234.0	214.0	214.0	211.5	211.5	214.0
65°	420.6	358.3	296.1	228.9	184.2	161.7	146.8	146.8	144.3	146.8	144.3
67.5°	306.1	263.8	214.0	166.8	131.9	119.4	109.5	102.0	107.0	102.0	99.6
70°	224.0	189.1	154.3	126.9	102.0	89.6	82.2	79.6	74.7	74.7	74.7
72.5°	149.3	126.9	104.5	82.2	67.2	54.7	52.2	47.3	42.3	44.8	49.8
75°	99.6	84.6	74.7	59.7	44.8	44.8	29.9	29.9	24.9	29.9	22.4
77.5°	69.7	57.3	44.8	37.3	29.9	27.3	19.9	19.9	17.4	17.4	17.4
80°	49.8	42.3	32.4	27.3	19.9	19.9	17.4	15.0	12.4	12.4	15.0
82.5°	29.9	22.4	22.4	19.9	12.4	9.9	7.5	9.9	5.0	5.0	5.0
85°	17.4	15.0	12.4	7.5	5.0	5.0	2.5	0.0	2.5	2.5	0.0
87.5°	9.9	5.0	5.0	2.5	0.0	2.5	2.5	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



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	5096.6	5096.6	5096.6	5096.6	5096.6	5096.6	5096.6	5096.6	5096.6	5096.6	5096.6
2.5°	5126.6	5124.0	5129.0	5129.0	5144.0	5141.4	5148.9	5148.9	5144.0	5146.4	5156.4
5°	5144.0	5151.4	5166.3	5178.8	5201.1	5211.2	5223.6	5236.1	5238.5	5246.0	5253.5
7.5°	5144.0	5168.9	5186.3	5208.6	5238.5	5255.9	5283.3	5305.7	5315.6	5328.0	5343.0
10°	5133.9	5158.8	5191.2	5216.1	5253.5	5280.8	5308.2	5343.0	5357.9	5377.8	5397.8
12.5°	5114.1	5141.4	5176.2	5208.6	5250.9	5275.8	5310.6	5343.0	5365.4	5392.8	5415.2
15°	5084.2	5116.5	5148.9	5181.3	5226.0	5255.9	5288.3	5325.6	5348.0	5377.8	5397.8
17.5°	5036.9	5071.8	5101.7	5131.5	5173.8	5208.6	5238.5	5273.3	5295.8	5320.7	5348.0
20°	4979.7	5012.0	5044.4	5069.3	5111.6	5141.4	5173.8	5206.1	5223.6	5228.6	5270.9
22.5°	4907.6	4929.9	4954.8	4994.6	5019.5	5046.9	5076.8	5106.6	5124.0	5151.4	5166.3
25°	4788.0	4810.4	4837.8	4855.2	4885.1	4907.6	4937.4	4969.7	4979.7	4999.6	5014.5
27.5°	4621.4	4633.7	4646.2	4661.1	4678.5	4691.0	4708.4	4723.4	4733.3	4743.2	4753.2
30°	4357.5	4357.5	4357.5	4347.6	4355.0	4362.5	4365.0	4362.5	4362.5	4360.0	4360.0
32.5°	4009.1	3989.2	3966.8	3946.9	3939.5	3929.5	3924.5	3917.0	3904.6	3897.2	3899.6
35°	3538.7	3494.0	3466.6	3441.7	3421.9	3406.9	3399.4	3392.0	3389.5	3379.6	3369.5
37.5°	2951.5	2919.1	2899.3	2884.3	2866.9	2851.9	2854.4	2857.0	2864.3	2859.4	2861.9
40°	2329.3	2321.8	2329.3	2311.9	2306.9	2311.9	2324.3	2341.8	2351.8	2361.7	2379.1
42.5°	1771.9	1784.3	1801.8	1801.8	1809.2	1819.2	1834.1	1861.5	1876.4	1893.8	1913.8
45°	1333.9	1348.8	1371.3	1378.6	1383.7	1396.1	1413.6	1435.9	1445.8	1460.8	1478.2
47.5°	1027.8	1037.7	1050.1	1062.6	1075.0	1080.1	1097.5	1097.5	1110.0	1119.9	1124.8
50°	801.3	811.3	821.2	828.7	833.7	841.2	846.1	853.6	856.0	861.0	863.5
52.5°	627.1	639.6	639.6	644.5	652.0	659.5	657.0	659.5	661.9	661.9	669.4
55°	490.2	490.2	497.7	497.7	502.7	500.2	502.7	502.7	502.7	502.7	505.2
57.5°	365.8	368.3	375.8	370.8	368.3	373.3	368.3	373.3	370.8	375.8	368.3
60°	281.2	281.2	283.7	283.7	286.2	286.2	286.2	283.7	283.7	281.2	281.2
62.5°	211.5	214.0	216.5	214.0	214.0	214.0	211.5	211.5	209.1	206.5	206.5
65°	141.9	139.4	144.3	139.4	141.9	141.9	139.4	141.9	134.4	136.9	134.4
67.5°	102.0	99.6	97.1	99.6	97.1	94.5	94.5	97.1	99.6	92.1	92.1
70°	67.2	69.7	67.2	69.7	72.2	72.2	69.7	67.2	69.7	64.7	67.2
72.5°	42.3	42.3	42.3	42.3	42.3	44.8	44.8	44.8	39.8	39.8	37.3
75°	19.9	27.3	22.4	19.9	27.3	27.3	24.9	24.9	22.4	22.4	22.4
77.5°	19.9	15.0	15.0	15.0	15.0	15.0	15.0	15.0	12.4	15.0	12.4
80°	9.9	9.9	9.9	7.5	9.9	9.9	12.4	9.9	9.9	7.5	12.4
82.5°	5.0	5.0	5.0	0.0	2.5	5.0	5.0	2.5	5.0	5.0	2.5
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: P248825

CATALOG NUMBER: LD8B100D010 ER8B100935 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	5096.6	5096.6	5096.6	5096.6	5096.6	5096.6	5096.6	5096.6	5096.6	5096.6	5096.6
2.5°	5153.9	5151.4	5153.9	5156.4	5153.9	5151.4	5153.9	5156.4	5146.4	5144.0	5148.9
5°	5263.4	5263.4	5268.3	5270.9	5268.3	5263.4	5263.4	5253.5	5246.0	5238.5	5236.1
7.5°	5357.9	5363.0	5367.9	5370.3	5367.9	5363.0	5357.9	5343.0	5328.0	5315.6	5305.7
10°	5415.2	5422.7	5432.6	5437.5	5432.6	5422.7	5415.2	5397.8	5377.8	5357.9	5343.0
12.5°	5440.1	5447.6	5460.0	5457.5	5460.0	5447.6	5440.1	5415.2	5392.8	5365.4	5343.0
15°	5422.7	5432.6	5445.0	5450.0	5445.0	5432.6	5422.7	5397.8	5377.8	5348.0	5325.6
17.5°	5367.9	5382.8	5390.3	5397.8	5390.3	5382.8	5367.9	5348.0	5320.7	5295.8	5273.3
20°	5293.2	5303.2	5313.2	5315.6	5313.2	5303.2	5293.2	5270.9	5228.6	5223.6	5206.1
22.5°	5186.3	5193.7	5216.1	5208.6	5216.1	5193.7	5186.3	5166.3	5151.4	5124.0	5106.6
25°	5031.9	5039.4	5041.9	5044.4	5041.9	5039.4	5031.9	5014.5	4999.6	4979.7	4969.7
27.5°	4765.7	4765.7	4770.6	4773.2	4770.6	4765.7	4765.7	4753.2	4743.2	4733.3	4723.4
30°	4362.5	4362.5	4362.5	4375.0	4362.5	4362.5	4362.5	4360.0	4360.0	4362.5	4362.5
32.5°	3897.2	3892.1	3887.2	3892.1	3887.2	3892.1	3897.2	3899.6	3897.2	3904.6	3917.0
35°	3369.5	3367.1	3374.5	3364.6	3374.5	3367.1	3369.5	3369.5	3379.6	3389.5	3392.0
37.5°	2864.3	2859.4	2869.3	2859.4	2869.3	2859.4	2864.3	2861.9	2859.4	2864.3	2857.0
40°	2384.1	2389.0	2389.0	2409.0	2389.0	2389.0	2384.1	2379.1	2361.7	2351.8	2341.8
42.5°	1923.7	1938.6	1933.6	1948.6	1933.6	1938.6	1923.7	1913.8	1893.8	1876.4	1861.5
45°	1488.1	1498.2	1498.2	1503.1	1498.2	1498.2	1488.1	1478.2	1460.8	1445.8	1435.9
47.5°	1142.2	1142.2	1142.2	1144.8	1142.2	1142.2	1142.2	1124.8	1119.9	1110.0	1097.5
50°	868.5	871.0	873.5	876.0	873.5	871.0	868.5	863.5	861.0	856.0	853.6
52.5°	666.9	669.4	664.5	669.4	664.5	669.4	666.9	669.4	661.9	661.9	659.5
55°	505.2	502.7	505.2	507.7	505.2	502.7	505.2	505.2	502.7	502.7	502.7
57.5°	370.8	365.8	365.8	365.8	365.8	365.8	370.8	368.3	375.8	370.8	373.3
60°	276.3	278.7	278.7	281.2	278.7	278.7	276.3	281.2	281.2	283.7	283.7
62.5°	204.0	211.5	206.5	211.5	206.5	211.5	204.0	206.5	206.5	209.1	211.5
65°	131.9	131.9	131.9	134.4	131.9	131.9	131.9	134.4	136.9	134.4	141.9
67.5°	89.6	92.1	97.1	94.5	97.1	92.1	89.6	92.1	92.1	99.6	97.1
70°	72.2	64.7	64.7	72.2	64.7	64.7	72.2	67.2	64.7	69.7	67.2
72.5°	42.3	37.3	42.3	42.3	42.3	37.3	42.3	37.3	39.8	39.8	44.8
75°	22.4	19.9	17.4	24.9	17.4	19.9	22.4	22.4	22.4	22.4	24.9
77.5°	15.0	12.4	17.4	17.4	17.4	12.4	15.0	12.4	15.0	12.4	15.0
80°	7.5	9.9	7.5	12.4	7.5	9.9	7.5	12.4	7.5	9.9	9.9
82.5°	2.5	5.0	5.0	5.0	5.0	5.0	2.5	2.5	5.0	5.0	2.5
85°	0.0	5.0	2.5	2.5	2.5	5.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.5	0.0	0.0	2.5	0.0	0.0	2.5	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: P248825

CATALOG NUMBER: LD8B100D010 ER8B100935 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	5096.6	5096.6	5096.6	5096.6	5096.6	5096.6	5096.6	5096.6	5096.6	5096.6	5096.6
2.5°	5148.9	5141.4	5144.0	5129.0	5129.0	5124.0	5126.6	5114.1	5109.1	5104.1	5111.6
5°	5223.6	5211.2	5201.1	5178.8	5166.3	5151.4	5144.0	5124.0	5106.6	5091.6	5089.2
7.5°	5283.3	5255.9	5238.5	5208.6	5186.3	5168.9	5144.0	5116.5	5094.2	5074.2	5059.4
10°	5308.2	5280.8	5253.5	5216.1	5191.2	5158.8	5133.9	5099.1	5069.3	5041.9	5024.4
12.5°	5310.6	5275.8	5250.9	5208.6	5176.2	5141.4	5114.1	5074.2	5039.4	5012.0	4984.7
15°	5288.3	5255.9	5226.0	5181.3	5148.9	5116.5	5084.2	5041.9	5009.6	4977.2	4957.3
17.5°	5238.5	5208.6	5173.8	5131.5	5101.7	5071.8	5036.9	5002.1	4964.7	4929.9	4905.0
20°	5173.8	5141.4	5111.6	5069.3	5044.4	5012.0	4979.7	4942.4	4912.5	4877.6	4850.3
22.5°	5076.8	5046.9	5019.5	4994.6	4954.8	4929.9	4907.6	4865.2	4835.3	4803.0	4773.2
25°	4937.4	4907.6	4885.1	4855.2	4837.8	4810.4	4788.0	4750.7	4723.4	4693.5	4668.6
27.5°	4708.4	4691.0	4678.5	4661.1	4646.2	4633.7	4621.4	4591.4	4571.6	4544.2	4519.3
30°	4365.0	4362.5	4355.0	4347.6	4357.5	4357.5	4357.5	4352.6	4335.2	4315.2	4297.8
32.5°	3924.5	3929.5	3939.5	3946.9	3966.8	3989.2	4009.1	4019.1	4019.1	4006.7	3999.2
35°	3399.4	3406.9	3421.9	3441.7	3466.6	3494.0	3538.7	3548.8	3556.2	3556.2	3546.2
37.5°	2854.4	2851.9	2866.9	2884.3	2899.3	2919.1	2951.5	2959.0	2971.4	2966.5	2956.4
40°	2324.3	2311.9	2306.9	2311.9	2329.3	2321.8	2329.3	2324.3	2324.3	2306.9	2306.9
42.5°	1834.1	1819.2	1809.2	1801.8	1801.8	1784.3	1771.9	1759.5	1752.0	1739.5	1737.1
45°	1413.6	1396.1	1383.7	1378.6	1371.3	1348.8	1333.9	1318.9	1301.5	1296.6	1299.1
47.5°	1097.5	1080.1	1075.0	1062.6	1050.1	1037.7	1027.8	1010.4	1007.8	997.9	1007.8
50°	846.1	841.2	833.7	828.7	821.2	811.3	801.3	791.4	786.4	786.4	788.8
52.5°	657.0	659.5	652.0	644.5	639.6	639.6	627.1	624.6	624.6	614.7	624.6
55°	502.7	500.2	502.7	497.7	497.7	490.2	490.2	482.8	482.8	475.3	480.3
57.5°	368.3	373.3	368.3	370.8	375.8	368.3	365.8	358.3	363.3	358.3	360.9
60°	286.2	286.2	286.2	283.7	283.7	281.2	281.2	278.7	278.7	273.7	278.7
62.5°	211.5	214.0	214.0	214.0	216.5	214.0	211.5	214.0	211.5	211.5	214.0
65°	139.4	141.9	141.9	139.4	144.3	139.4	141.9	144.3	146.8	144.3	146.8
67.5°	94.5	94.5	97.1	99.6	97.1	99.6	102.0	99.6	102.0	107.0	102.0
70°	69.7	72.2	72.2	69.7	67.2	69.7	67.2	74.7	74.7	74.7	79.6
72.5°	44.8	44.8	42.3	42.3	42.3	42.3	42.3	49.8	44.8	42.3	47.3
75°	24.9	27.3	27.3	19.9	22.4	27.3	19.9	22.4	29.9	24.9	29.9
77.5°	15.0	15.0	15.0	15.0	15.0	15.0	19.9	17.4	17.4	17.4	19.9
80°	12.4	9.9	9.9	7.5	9.9	9.9	9.9	15.0	12.4	12.4	15.0
82.5°	5.0	5.0	2.5	0.0	5.0	5.0	5.0	5.0	5.0	5.0	9.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5	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: P248825

CATALOG NUMBER: LD8B100D010 ER8B100935 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	5096.6	5096.6	5096.6	5096.6	5096.6	5096.6	5096.6	5096.6	5096.6	5096.6	5096.6
2.5°	5091.6	5091.6	5089.2	5084.2	5074.2	5074.2	5071.8	5064.3	5059.4	5056.8	5056.8
5°	5066.7	5056.8	5046.9	5019.5	5019.5	5014.5	4999.6	4989.6	4984.7	4972.2	4967.3
7.5°	5044.4	5014.5	4997.1	4979.7	4957.3	4947.3	4929.9	4922.4	4905.0	4892.6	4885.1
10°	4989.6	4969.7	4947.3	4919.9	4902.5	4882.7	4862.7	4847.8	4825.4	4812.9	4803.0
12.5°	4952.3	4922.4	4902.5	4872.6	4842.8	4825.4	4798.1	4780.6	4758.2	4733.3	4718.4
15°	4917.5	4885.1	4857.8	4825.4	4793.0	4773.2	4740.8	4720.9	4688.6	4663.7	4646.2
17.5°	4865.2	4837.8	4808.0	4768.1	4738.3	4713.4	4678.5	4653.7	4623.8	4591.4	4574.0
20°	4810.4	4778.1	4748.3	4708.4	4678.5	4648.7	4613.9	4586.5	4551.6	4521.8	4501.9
22.5°	4738.3	4700.9	4676.1	4636.2	4601.4	4569.1	4536.7	4504.4	4472.0	4447.1	4424.7
25°	4633.7	4593.9	4566.6	4534.2	4501.9	4477.0	4437.2	4417.3	4384.9	4362.5	4340.1
27.5°	4484.4	4454.6	4429.7	4397.3	4370.0	4350.1	4320.2	4300.3	4272.9	4253.0	4235.6
30°	4265.5	4240.6	4218.2	4185.8	4165.9	4148.5	4121.1	4103.7	4083.8	4061.4	4056.4
32.5°	3971.8	3951.9	3929.5	3907.1	3892.1	3882.2	3859.8	3849.8	3830.0	3817.5	3805.1
35°	3528.8	3511.4	3499.0	3489.1	3484.0	3486.5	3481.6	3491.5	3496.4	3494.0	3496.4
37.5°	2949.0	2939.0	2944.0	2951.5	2976.4	3008.8	3038.6	3083.3	3113.2	3143.1	3170.5
40°	2302.0	2309.4	2329.3	2374.1	2438.8	2511.0	2578.2	2662.8	2747.5	2807.2	2861.9
42.5°	1737.1	1759.5	1809.2	1873.9	1971.0	2078.0	2182.5	2306.9	2409.0	2508.5	2578.2
45°	1306.5	1336.3	1401.1	1490.7	1597.6	1722.1	1854.0	1993.3	2115.3	2217.4	2294.5
47.5°	1017.9	1045.2	1110.0	1204.5	1336.3	1465.8	1602.7	1747.0	1873.9	1973.5	2040.7
50°	803.8	838.6	895.9	995.4	1127.4	1264.2	1406.1	1547.9	1667.4	1752.0	1811.7
52.5°	632.1	664.5	719.2	823.8	958.2	1095.0	1226.8	1366.2	1470.7	1552.9	1592.7
55°	490.2	520.2	577.3	664.5	791.4	925.8	1057.6	1177.2	1274.2	1333.9	1371.3
57.5°	373.3	395.7	435.5	522.6	637.1	761.5	873.5	993.0	1067.7	1110.0	1134.7
60°	283.7	301.2	343.5	410.7	515.1	622.2	716.7	806.4	866.1	900.9	925.8
62.5°	214.0	234.0	263.8	321.0	400.6	487.8	567.4	634.6	684.4	706.8	724.2
65°	146.8	161.7	184.2	228.9	296.1	358.3	420.6	470.4	502.7	527.6	537.6
67.5°	109.5	119.4	131.9	166.8	214.0	263.8	306.1	340.9	375.8	385.8	403.2
70°	82.2	89.6	102.0	126.9	154.3	189.1	224.0	243.9	268.8	286.2	291.2
72.5°	52.2	54.7	67.2	82.2	104.5	126.9	149.3	166.8	181.7	191.7	196.6
75°	29.9	44.8	44.8	59.7	74.7	84.6	99.6	112.0	119.4	126.9	126.9
77.5°	19.9	27.3	29.9	37.3	44.8	57.3	69.7	77.1	84.6	87.1	87.1
80°	17.4	19.9	19.9	27.3	32.4	42.3	49.8	52.2	57.3	59.7	64.7
82.5°	7.5	9.9	12.4	19.9	22.4	22.4	29.9	32.4	37.3	39.8	39.8
85°	2.5	5.0	5.0	7.5	12.4	15.0	17.4	19.9	22.4	22.4	24.9
87.5°	2.5	2.5	0.0	2.5	5.0	5.0	9.9	9.9	9.9	15.0	15.0
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: P248825

CATALOG NUMBER: LD8B100D010 ER8B100935 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	5096.6	5096.6	5096.6	5096.6	5096.6	5096.6	5096.6
2.5°	5051.9	5054.3	5044.4	5041.9	5036.9	5039.4	5044.4
5°	4959.8	4962.3	4952.3	4942.4	4942.4	4939.8	4942.4
7.5°	4872.6	4875.2	4860.2	4855.2	4845.3	4847.8	4847.8
10°	4785.6	4785.6	4763.2	4760.7	4753.2	4750.7	4750.7
12.5°	4700.9	4693.5	4676.1	4666.1	4671.1	4656.2	4656.2
15°	4626.3	4613.9	4591.4	4584.0	4571.6	4566.6	4566.6
17.5°	4549.1	4539.2	4519.3	4504.4	4489.4	4487.0	4489.4
20°	4474.5	4464.5	4439.6	4429.7	4417.3	4417.3	4412.3
22.5°	4399.8	4389.9	4367.5	4360.0	4342.6	4342.6	4345.1
25°	4322.7	4315.2	4290.3	4285.4	4282.9	4272.9	4277.9
27.5°	4218.2	4213.2	4193.3	4185.8	4175.9	4173.4	4178.3
30°	4026.5	4019.1	4004.2	3996.7	3979.3	3981.8	3986.7
32.5°	3787.7	3777.7	3757.7	3750.3	3735.4	3730.4	3732.9
35°	3489.1	3481.6	3464.2	3464.2	3449.2	3444.2	3449.2
37.5°	3185.5	3192.8	3185.5	3192.8	3185.5	3182.9	3185.5
40°	2899.3	2926.6	2931.5	2959.0	2949.0	2963.9	2961.4
42.5°	2625.5	2670.2	2687.7	2710.1	2705.1	2715.1	2722.6
45°	2349.2	2386.6	2404.0	2418.9	2421.4	2426.4	2428.9
47.5°	2087.9	2117.8	2120.3	2137.7	2135.2	2135.2	2142.7
50°	1844.1	1864.0	1868.9	1881.4	1871.4	1866.4	1868.9
52.5°	1617.6	1637.5	1632.5	1637.5	1625.1	1620.1	1622.5
55°	1386.1	1396.1	1396.1	1396.1	1381.2	1381.2	1381.2
57.5°	1149.7	1152.3	1147.2	1149.7	1147.2	1132.3	1129.8
60°	933.3	933.3	930.7	933.3	925.8	918.3	918.3
62.5°	729.1	734.1	744.1	734.1	729.1	734.1	726.7
65°	545.0	555.0	552.4	557.4	555.0	555.0	550.0
67.5°	410.7	413.1	415.6	418.1	418.1	418.1	418.1
70°	301.2	308.6	306.1	306.1	306.1	306.1	321.0
72.5°	201.6	211.5	209.1	214.0	214.0	219.0	214.0
75°	136.9	146.8	141.9	149.3	146.8	141.9	154.3
77.5°	92.1	97.1	99.6	102.0	99.6	97.1	99.6
80°	64.7	69.7	67.2	69.7	69.7	69.7	72.2
82.5°	39.8	47.3	44.8	47.3	44.8	47.3	47.3
85°	27.3	29.9	24.9	29.9	27.3	27.3	32.4
87.5°	17.4	15.0	15.0	17.4	15.0	17.4	15.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)