

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: P248852

Luminaire Tested: **LD8B100D010 ER8B100927 8LBSW0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248852
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 ER8B100927 8LBSW0GPH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
97 CRI 2700 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7885.1 lumens
Efficiency: N/A
Efficacy: 74.2 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.23 / 1.15
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

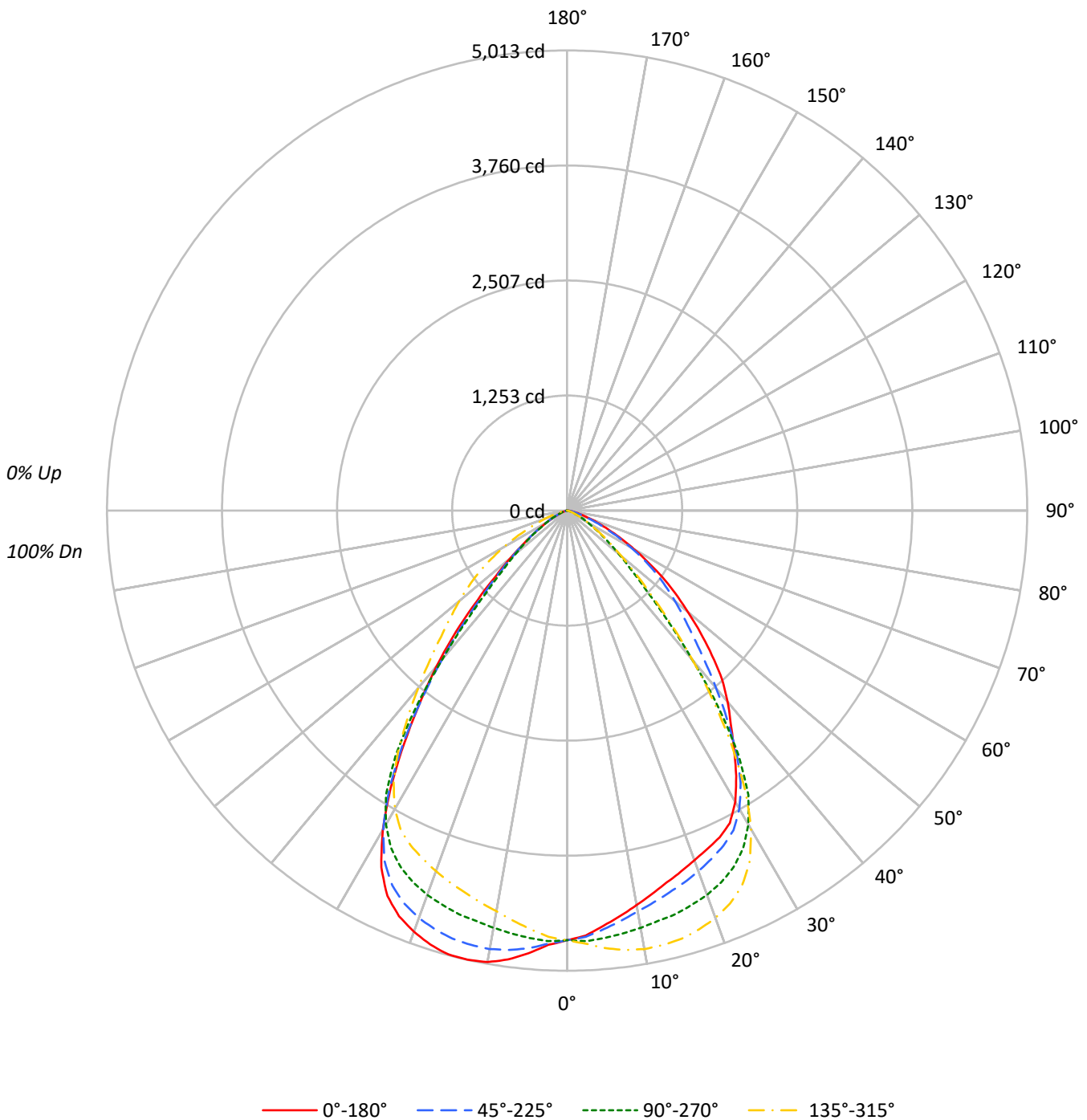
Input Watts (W): 106.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P248852

CATALOG NUMBER: LD8B100D010 ER8B100927 8LBSW0GPH

Luminous Intensity Polar Plot





TEST NUMBER: P248852

CATALOG NUMBER: LD8B100D010 ER8B100927 8LBSW0GPH

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°	Luminaire represents a point source (luminous area is zero).			
5°	No luminance values can be calculated.			
10°				
15°				
20°				
25°				
30°				
35°				
40°				
45°				
50°				
55°				
60°				
65°				
70°				
75°				
80°				
85°				



TEST NUMBER: P248852

CATALOG NUMBER: LD8B100D010 ER8B100927 8LBSW0GPH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	445.6	5.7
10°-20°	1290.2	16.4
20°-30°	1953.7	24.8
30°-40°	1958.1	24.8
40°-50°	1229.6	15.6
50°-60°	655.2	8.3
60°-70°	269.5	3.4
70°-80°	71.2	0.9
80°-90°	12.0	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°	3689.5	46.8
0°-40°	5647.6	71.6
0°-60°	7532.5	95.5
0°-90°	7885.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7885.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4681	4681	4681	4681	4681	
5°	4540	4674	4841	4674	4540	428
15°	4194	4553	5006	4553	4194	1186
25°	3929	4288	4633	4288	3929	1802
35°	3168	3257	3090	3257	3168	1985
45°	2231	1193	1381	1193	2231	1716
55°	1269	441	466	441	1269	1131
65°	505	135	123	135	505	524
75°	142	27	23	27	142	161
85°	30	0	2	0	30	33
90°	0	0	0	0	0	



TEST NUMBER: P248852

CATALOG NUMBER: LD8B100D010 ER8B100927 8LBSW0GPH

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	4681.1	4681.1	4681.1	4681.1	4681.1	4681.1	4681.1	4681.1	4681.1	4681.1	4681.1
2.5°	4633.2	4628.6	4626.3	4631.0	4633.2	4642.3	4640.1	4644.6	4644.6	4646.9	4651.4
5°	4539.5	4537.1	4539.5	4539.5	4548.6	4557.7	4555.5	4562.3	4566.8	4578.3	4582.8
7.5°	4452.6	4452.6	4450.3	4459.4	4464.0	4477.7	4475.4	4486.8	4493.7	4505.2	4521.2
10°	4363.4	4363.4	4365.7	4372.5	4374.9	4395.4	4395.4	4411.5	4420.6	4432.0	4452.6
12.5°	4276.6	4276.6	4290.3	4285.7	4294.8	4310.9	4317.8	4333.7	4347.4	4370.3	4390.9
15°	4194.2	4194.2	4198.8	4210.3	4217.2	4237.8	4249.1	4267.5	4283.4	4306.3	4336.1
17.5°	4123.5	4121.2	4123.5	4137.2	4150.9	4169.1	4178.2	4201.1	4217.2	4246.9	4274.3
20°	4052.6	4057.2	4057.2	4068.6	4077.7	4100.5	4109.7	4134.9	4153.2	4180.5	4212.7
22.5°	3990.8	3988.6	3988.6	4004.6	4011.5	4032.0	4041.1	4064.0	4084.5	4107.5	4137.2
25°	3929.2	3924.6	3933.8	3936.0	3940.5	3963.4	3970.2	3986.2	4006.9	4027.5	4057.2
27.5°	3837.7	3833.2	3835.5	3844.6	3851.4	3869.7	3874.3	3890.2	3906.3	3924.6	3949.8
30°	3661.6	3657.2	3654.9	3670.9	3677.7	3691.4	3698.3	3725.8	3730.3	3750.9	3769.1
32.5°	3428.6	3426.3	3430.9	3444.5	3451.4	3469.7	3478.8	3494.8	3506.3	3517.8	3536.0
35°	3168.0	3163.4	3168.0	3181.7	3181.7	3197.8	3204.7	3211.4	3209.2	3211.4	3206.9
37.5°	2925.8	2923.4	2925.8	2932.5	2925.8	2932.5	2925.8	2912.1	2886.9	2859.4	2832.0
40°	2720.0	2722.3	2708.7	2717.8	2692.6	2688.1	2662.9	2628.6	2578.3	2523.5	2445.8
42.5°	2500.6	2493.8	2484.6	2489.2	2468.6	2452.5	2411.4	2368.0	2304.0	2212.6	2118.8
45°	2230.9	2228.6	2224.0	2221.8	2208.0	2192.1	2157.6	2107.5	2036.6	1942.9	1830.8
47.5°	1968.0	1961.1	1961.1	1963.4	1947.4	1945.1	1917.7	1874.2	1812.6	1721.1	1604.6
50°	1716.5	1714.3	1718.9	1728.0	1716.5	1712.0	1693.8	1664.0	1609.2	1531.5	1421.7
52.5°	1490.3	1488.0	1492.6	1504.0	1499.4	1504.0	1485.8	1462.8	1426.3	1350.8	1254.8
55°	1268.6	1268.6	1268.6	1282.3	1282.3	1282.3	1273.2	1259.4	1225.1	1170.3	1081.2
57.5°	1037.7	1040.0	1053.7	1055.9	1053.7	1058.3	1055.9	1042.2	1019.5	980.7	912.0
60°	843.4	843.4	850.3	857.1	854.8	857.1	857.1	850.3	827.4	795.5	740.6
62.5°	667.5	674.3	669.7	674.3	683.4	674.3	669.7	665.2	649.1	628.5	582.9
65°	505.1	509.7	509.7	512.0	507.4	509.7	500.6	493.8	484.6	461.7	432.0
67.5°	384.1	384.1	384.1	384.1	381.7	379.5	377.2	370.3	354.3	345.2	313.1
70°	294.9	281.1	281.1	281.1	281.1	283.5	276.6	267.5	262.9	246.8	224.0
72.5°	196.5	201.2	196.5	196.5	192.0	194.3	185.2	180.6	176.1	167.0	153.1
75°	141.6	130.3	134.8	137.1	130.3	134.8	125.7	116.6	116.6	109.7	102.8
77.5°	91.5	89.2	91.5	93.7	91.5	89.2	84.6	80.0	80.0	77.7	70.9
80°	66.4	64.0	64.0	64.0	61.8	64.0	59.5	59.5	54.9	52.5	48.0
82.5°	43.4	43.4	41.1	43.4	41.1	43.4	36.6	36.6	36.6	34.2	29.7
85°	29.7	25.1	25.1	27.4	22.8	27.4	25.1	22.8	20.6	20.6	18.2
87.5°	13.7	16.0	13.7	16.0	13.7	13.7	16.0	13.7	13.7	9.1	9.1
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: P248852

CATALOG NUMBER: LD8B100D010 ER8B100927 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	4681.1	4681.1	4681.1	4681.1	4681.1	4681.1	4681.1	4681.1	4681.1	4681.1	4681.1
2.5°	4658.3	4660.5	4660.5	4669.8	4674.3	4676.5	4676.5	4694.8	4688.0	4692.6	4697.1
5°	4592.0	4605.8	4610.2	4610.2	4635.4	4644.6	4653.7	4674.3	4676.5	4690.2	4706.3
7.5°	4528.0	4544.0	4553.2	4573.7	4589.7	4605.8	4633.2	4646.9	4660.5	4678.9	4699.3
10°	4466.2	4484.6	4502.8	4518.9	4544.0	4564.6	4582.8	4614.9	4631.0	4656.0	4683.4
12.5°	4406.8	4432.0	4448.0	4475.4	4502.8	4521.2	4548.6	4578.3	4603.4	4628.6	4660.5
15°	4354.3	4384.0	4402.2	4432.0	4461.8	4486.8	4516.7	4553.2	4571.4	4601.1	4631.0
17.5°	4297.0	4329.2	4352.1	4379.4	4416.1	4443.4	4468.6	4505.2	4528.0	4560.0	4594.3
20°	4237.8	4269.7	4297.0	4324.6	4361.2	4388.5	4418.3	4454.9	4480.0	4512.0	4539.5
22.5°	4166.9	4196.6	4226.3	4258.2	4294.8	4317.8	4352.1	4384.0	4411.5	4441.2	4468.6
25°	4075.4	4112.1	4134.9	4164.5	4194.2	4219.4	4256.0	4287.9	4310.9	4338.3	4363.4
27.5°	3968.0	3995.4	4013.8	4038.9	4068.6	4091.4	4118.8	4150.9	4173.8	4198.8	4217.2
30°	3785.1	3810.4	3826.4	3844.6	3874.3	3894.9	3917.8	3947.4	3963.4	3981.7	3997.7
32.5°	3545.1	3565.7	3574.8	3588.5	3609.2	3629.7	3648.0	3673.1	3680.0	3691.4	3691.4
35°	3197.8	3202.3	3200.1	3204.7	3213.8	3225.2	3241.1	3257.1	3266.2	3266.2	3259.5
37.5°	2790.9	2763.5	2733.8	2710.9	2704.0	2699.4	2708.7	2715.4	2724.6	2729.1	2717.8
40°	2368.0	2306.4	2240.0	2180.6	2139.4	2121.2	2114.3	2118.8	2118.8	2134.8	2134.8
42.5°	2004.6	1908.6	1810.4	1721.1	1661.6	1616.1	1595.5	1595.5	1597.7	1609.2	1616.1
45°	1702.9	1581.8	1467.4	1369.1	1286.9	1227.4	1200.0	1193.2	1190.9	1195.4	1211.4
47.5°	1472.1	1346.3	1227.4	1106.3	1019.5	960.0	934.9	925.6	916.5	925.6	928.0
50°	1291.5	1161.1	1035.4	914.3	822.8	770.3	738.2	724.5	722.2	722.2	726.9
52.5°	1126.8	1005.8	880.1	756.6	660.6	610.3	580.6	573.8	564.6	573.8	573.8
55°	971.4	850.3	726.9	610.3	530.2	477.8	450.2	441.1	436.5	443.4	443.4
57.5°	802.4	699.4	585.2	480.0	400.0	363.5	342.8	331.4	329.1	333.7	329.1
60°	658.2	571.5	473.2	377.2	315.4	276.6	260.7	256.0	251.4	256.0	256.0
62.5°	521.1	448.0	368.0	294.9	242.2	214.9	196.5	196.5	194.3	194.3	196.5
65°	386.3	329.1	272.0	210.3	169.2	148.5	134.8	134.8	132.5	134.8	132.5
67.5°	281.1	242.2	196.5	153.1	121.2	109.7	100.6	93.7	98.3	93.7	91.5
70°	205.8	173.7	141.6	116.6	93.7	82.4	75.5	73.1	68.6	68.6	68.6
72.5°	137.1	116.6	96.0	75.5	61.8	50.3	48.0	43.4	38.8	41.1	45.7
75°	91.5	77.7	68.6	54.9	41.1	41.1	27.4	27.4	22.8	27.4	20.6
77.5°	64.0	52.5	41.1	34.2	27.4	25.1	18.2	18.2	16.0	16.0	16.0
80°	45.7	38.8	29.7	25.1	18.2	18.2	16.0	13.7	11.4	11.4	13.7
82.5°	27.4	20.6	20.6	18.2	11.4	9.1	6.9	9.1	4.6	4.6	4.6
85°	16.0	13.7	11.4	6.9	4.6	4.6	2.2	0.0	2.2	2.2	0.0
87.5°	9.1	4.6	4.6	2.2	0.0	2.2	2.2	0.0	0.0	0.0	4.6
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: P248852

CATALOG NUMBER: LD8B100D010 ER8B100927 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	4681.1	4681.1	4681.1	4681.1	4681.1	4681.1	4681.1	4681.1	4681.1	4681.1	4681.1
2.5°	4708.6	4706.3	4710.8	4710.8	4724.7	4722.3	4729.2	4729.2	4724.7	4726.9	4736.0
5°	4724.7	4731.5	4745.1	4756.6	4777.1	4786.3	4797.7	4809.2	4811.4	4818.4	4825.2
7.5°	4724.7	4747.5	4763.5	4784.0	4811.4	4827.5	4852.6	4873.2	4882.3	4893.6	4907.4
10°	4715.4	4738.3	4768.0	4790.8	4825.2	4850.3	4875.4	4907.4	4921.2	4939.4	4957.8
12.5°	4697.1	4722.3	4754.2	4784.0	4822.9	4845.7	4877.7	4907.4	4928.1	4953.2	4973.7
15°	4669.8	4699.3	4729.2	4758.9	4799.9	4827.5	4857.2	4891.4	4912.0	4939.4	4957.8
17.5°	4626.3	4658.3	4685.7	4713.2	4752.0	4784.0	4811.4	4843.5	4864.0	4886.9	4912.0
20°	4573.7	4603.4	4633.2	4656.0	4694.8	4722.3	4752.0	4781.7	4797.7	4802.3	4841.2
22.5°	4507.4	4528.0	4550.8	4587.4	4610.2	4635.4	4662.9	4690.2	4706.3	4731.5	4745.1
25°	4397.6	4418.3	4443.4	4459.4	4486.8	4507.4	4534.9	4564.6	4573.7	4592.0	4605.8
27.5°	4244.6	4256.0	4267.5	4281.1	4297.0	4308.6	4324.6	4338.3	4347.4	4356.6	4365.7
30°	4002.3	4002.3	4002.3	3993.1	4000.0	4006.9	4009.2	4006.9	4006.9	4004.6	4004.6
32.5°	3682.2	3664.0	3643.4	3625.2	3618.3	3609.2	3604.6	3597.8	3586.3	3579.4	3581.7
35°	3250.2	3209.2	3184.0	3161.1	3142.9	3129.2	3122.3	3115.5	3113.2	3104.1	3094.9
37.5°	2710.9	2681.1	2662.9	2649.2	2633.2	2619.5	2621.7	2624.1	2630.8	2626.3	2628.6
40°	2139.4	2132.5	2139.4	2123.4	2118.8	2123.4	2134.8	2150.9	2160.0	2169.1	2185.2
42.5°	1627.4	1638.8	1654.9	1654.9	1661.6	1670.8	1684.6	1709.8	1723.4	1739.4	1757.7
45°	1225.1	1238.9	1259.4	1266.3	1270.9	1282.3	1298.4	1318.8	1328.0	1341.7	1357.6
47.5°	944.0	953.1	964.6	976.0	987.4	992.0	1008.0	1008.0	1019.5	1028.6	1033.1
50°	736.0	745.1	754.2	761.2	765.8	772.6	777.2	784.0	786.3	790.9	793.1
52.5°	576.0	587.5	587.5	592.0	598.8	605.7	603.4	605.7	607.9	607.9	614.8
55°	450.2	450.2	457.2	457.2	461.7	459.4	461.7	461.7	461.7	461.7	464.1
57.5°	335.9	338.3	345.2	340.5	338.3	342.8	338.3	342.8	340.5	345.2	338.3
60°	258.3	258.3	260.7	260.7	262.9	262.9	262.9	260.7	260.7	258.3	258.3
62.5°	194.3	196.5	198.9	196.5	196.5	196.5	194.3	194.3	192.0	189.7	189.7
65°	130.3	128.0	132.5	128.0	130.3	130.3	128.0	130.3	123.4	125.7	123.4
67.5°	93.7	91.5	89.2	91.5	89.2	86.9	86.9	89.2	91.5	84.6	84.6
70°	61.8	64.0	61.8	64.0	66.4	66.4	64.0	61.8	64.0	59.5	61.8
72.5°	38.8	38.8	38.8	38.8	38.8	41.1	41.1	41.1	36.6	36.6	34.2
75°	18.2	25.1	20.6	18.2	25.1	25.1	22.8	22.8	20.6	20.6	20.6
77.5°	18.2	13.7	13.7	13.7	13.7	13.7	13.7	13.7	11.4	13.7	11.4
80°	9.1	9.1	9.1	6.9	9.1	9.1	11.4	9.1	9.1	6.9	11.4
82.5°	4.6	4.6	4.6	0.0	2.2	4.6	4.6	2.2	4.6	4.6	2.2
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: P248852

CATALOG NUMBER: LD8B100D010 ER8B100927 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	4681.1	4681.1	4681.1	4681.1	4681.1	4681.1	4681.1	4681.1	4681.1	4681.1	4681.1
2.5°	4733.8	4731.5	4733.8	4736.0	4733.8	4731.5	4733.8	4736.0	4726.9	4724.7	4729.2
5°	4834.3	4834.3	4838.8	4841.2	4838.8	4834.3	4834.3	4825.2	4818.4	4811.4	4809.2
7.5°	4921.2	4925.8	4930.3	4932.6	4930.3	4925.8	4921.2	4907.4	4893.6	4882.3	4873.2
10°	4973.7	4980.6	4989.7	4994.2	4989.7	4980.6	4973.7	4957.8	4939.4	4921.2	4907.4
12.5°	4996.6	5003.4	5014.9	5012.6	5014.9	5003.4	4996.6	4973.7	4953.2	4928.1	4907.4
15°	4980.6	4989.7	5001.1	5005.7	5001.1	4989.7	4980.6	4957.8	4939.4	4912.0	4891.4
17.5°	4930.3	4944.0	4950.9	4957.8	4950.9	4944.0	4930.3	4912.0	4886.9	4864.0	4843.5
20°	4861.7	4870.9	4880.0	4882.3	4880.0	4870.9	4861.7	4841.2	4802.3	4797.7	4781.7
22.5°	4763.5	4770.3	4790.8	4784.0	4790.8	4770.3	4763.5	4745.1	4731.5	4706.3	4690.2
25°	4621.7	4628.6	4631.0	4633.2	4631.0	4628.6	4621.7	4605.8	4592.0	4573.7	4564.6
27.5°	4377.2	4377.2	4381.7	4384.0	4381.7	4377.2	4377.2	4365.7	4356.6	4347.4	4338.3
30°	4006.9	4006.9	4006.9	4018.4	4006.9	4006.9	4006.9	4004.6	4004.6	4006.9	4006.9
32.5°	3579.4	3574.8	3570.3	3574.8	3570.3	3574.8	3579.4	3581.7	3579.4	3586.3	3597.8
35°	3094.9	3092.6	3099.5	3090.3	3099.5	3092.6	3094.9	3094.9	3104.1	3113.2	3115.5
37.5°	2630.8	2626.3	2635.4	2626.3	2635.4	2626.3	2630.8	2628.6	2626.3	2630.8	2624.1
40°	2189.8	2194.3	2194.3	2212.6	2194.3	2194.3	2189.8	2185.2	2169.1	2160.0	2150.9
42.5°	1766.8	1780.6	1776.0	1789.8	1776.0	1780.6	1766.8	1757.7	1739.4	1723.4	1709.8
45°	1366.9	1376.1	1376.1	1380.6	1376.1	1376.1	1366.9	1357.6	1341.7	1328.0	1318.8
47.5°	1049.1	1049.1	1049.1	1051.4	1049.1	1049.1	1049.1	1033.1	1028.6	1019.5	1008.0
50°	797.7	800.0	802.4	804.6	802.4	800.0	797.7	793.1	790.9	786.3	784.0
52.5°	612.6	614.8	610.3	614.8	610.3	614.8	612.6	614.8	607.9	607.9	605.7
55°	464.1	461.7	464.1	466.3	464.1	461.7	464.1	464.1	461.7	461.7	461.7
57.5°	340.5	335.9	335.9	335.9	335.9	335.9	340.5	338.3	345.2	340.5	342.8
60°	253.7	256.0	256.0	258.3	256.0	256.0	253.7	258.3	258.3	260.7	260.7
62.5°	187.4	194.3	189.7	194.3	189.7	194.3	187.4	189.7	189.7	192.0	194.3
65°	121.2	121.2	121.2	123.4	121.2	121.2	121.2	123.4	125.7	123.4	130.3
67.5°	82.4	84.6	89.2	86.9	89.2	84.6	82.4	84.6	84.6	91.5	89.2
70°	66.4	59.5	59.5	66.4	59.5	59.5	66.4	61.8	59.5	64.0	61.8
72.5°	38.8	34.2	38.8	38.8	38.8	34.2	38.8	34.2	36.6	36.6	41.1
75°	20.6	18.2	16.0	22.8	16.0	18.2	20.6	20.6	20.6	20.6	22.8
77.5°	13.7	11.4	16.0	16.0	16.0	11.4	13.7	11.4	13.7	11.4	13.7
80°	6.9	9.1	6.9	11.4	6.9	9.1	6.9	11.4	6.9	9.1	9.1
82.5°	2.2	4.6	4.6	4.6	4.6	4.6	2.2	2.2	4.6	4.6	2.2
85°	0.0	4.6	2.2	2.2	2.2	4.6	0.0	0.0	0.0	0.0	0.0
87.5°	2.2	0.0	0.0	2.2	0.0	0.0	2.2	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: P248852

CATALOG NUMBER: LD8B100D010 ER8B100927 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	4681.1	4681.1	4681.1	4681.1	4681.1	4681.1	4681.1	4681.1	4681.1	4681.1	4681.1
2.5°	4729.2	4722.3	4724.7	4710.8	4710.8	4706.3	4708.6	4697.1	4692.6	4688.0	4694.8
5°	4797.7	4786.3	4777.1	4756.6	4745.1	4731.5	4724.7	4706.3	4690.2	4676.5	4674.3
7.5°	4852.6	4827.5	4811.4	4784.0	4763.5	4747.5	4724.7	4699.3	4678.9	4660.5	4646.9
10°	4875.4	4850.3	4825.2	4790.8	4768.0	4738.3	4715.4	4683.4	4656.0	4631.0	4614.9
12.5°	4877.7	4845.7	4822.9	4784.0	4754.2	4722.3	4697.1	4660.5	4628.6	4603.4	4578.3
15°	4857.2	4827.5	4799.9	4758.9	4729.2	4699.3	4669.8	4631.0	4601.1	4571.4	4553.2
17.5°	4811.4	4784.0	4752.0	4713.2	4685.7	4658.3	4626.3	4594.3	4560.0	4528.0	4505.2
20°	4752.0	4722.3	4694.8	4656.0	4633.2	4603.4	4573.7	4539.5	4512.0	4480.0	4454.9
22.5°	4662.9	4635.4	4610.2	4587.4	4550.8	4528.0	4507.4	4468.6	4441.2	4411.5	4384.0
25°	4534.9	4507.4	4486.8	4459.4	4443.4	4418.3	4397.6	4363.4	4338.3	4310.9	4287.9
27.5°	4324.6	4308.6	4297.0	4281.1	4267.5	4256.0	4244.6	4217.2	4198.8	4173.8	4150.9
30°	4009.2	4006.9	4000.0	3993.1	4002.3	4002.3	4002.3	3997.7	3981.7	3963.4	3947.4
32.5°	3604.6	3609.2	3618.3	3625.2	3643.4	3664.0	3682.2	3691.4	3691.4	3680.0	3673.1
35°	3122.3	3129.2	3142.9	3161.1	3184.0	3209.2	3250.2	3259.5	3266.2	3266.2	3257.1
37.5°	2621.7	2619.5	2633.2	2649.2	2662.9	2681.1	2710.9	2717.8	2729.1	2724.6	2715.4
40°	2134.8	2123.4	2118.8	2123.4	2139.4	2132.5	2139.4	2134.8	2134.8	2118.8	2118.8
42.5°	1684.6	1670.8	1661.6	1654.9	1654.9	1638.8	1627.4	1616.1	1609.2	1597.7	1595.5
45°	1298.4	1282.3	1270.9	1266.3	1259.4	1238.9	1225.1	1211.4	1195.4	1190.9	1193.2
47.5°	1008.0	992.0	987.4	976.0	964.6	953.1	944.0	928.0	925.6	916.5	925.6
50°	777.2	772.6	765.8	761.2	754.2	745.1	736.0	726.9	722.2	722.2	724.5
52.5°	603.4	605.7	598.8	592.0	587.5	587.5	576.0	573.8	573.8	564.6	573.8
55°	461.7	459.4	461.7	457.2	457.2	450.2	450.2	443.4	443.4	436.5	441.1
57.5°	338.3	342.8	338.3	340.5	345.2	338.3	335.9	329.1	333.7	329.1	331.4
60°	262.9	262.9	262.9	260.7	260.7	258.3	258.3	256.0	256.0	251.4	256.0
62.5°	194.3	196.5	196.5	196.5	198.9	196.5	194.3	196.5	194.3	194.3	196.5
65°	128.0	130.3	130.3	128.0	132.5	128.0	130.3	132.5	134.8	132.5	134.8
67.5°	86.9	86.9	89.2	91.5	89.2	91.5	93.7	91.5	93.7	98.3	93.7
70°	64.0	66.4	66.4	64.0	61.8	64.0	61.8	68.6	68.6	68.6	73.1
72.5°	41.1	41.1	38.8	38.8	38.8	38.8	38.8	45.7	41.1	38.8	43.4
75°	22.8	25.1	25.1	18.2	20.6	25.1	18.2	20.6	27.4	22.8	27.4
77.5°	13.7	13.7	13.7	13.7	13.7	13.7	18.2	16.0	16.0	16.0	18.2
80°	11.4	9.1	9.1	6.9	9.1	9.1	9.1	13.7	11.4	11.4	13.7
82.5°	4.6	4.6	2.2	0.0	4.6	4.6	4.6	4.6	4.6	4.6	9.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	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: P248852

CATALOG NUMBER: LD8B100D010 ER8B100927 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	4681.1	4681.1	4681.1	4681.1	4681.1	4681.1	4681.1	4681.1	4681.1	4681.1	4681.1
2.5°	4676.5	4676.5	4674.3	4669.8	4660.5	4660.5	4658.3	4651.4	4646.9	4644.6	4644.6
5°	4653.7	4644.6	4635.4	4610.2	4610.2	4605.8	4592.0	4582.8	4578.3	4566.8	4562.3
7.5°	4633.2	4605.8	4589.7	4573.7	4553.2	4544.0	4528.0	4521.2	4505.2	4493.7	4486.8
10°	4582.8	4564.6	4544.0	4518.9	4502.8	4484.6	4466.2	4452.6	4432.0	4420.6	4411.5
12.5°	4548.6	4521.2	4502.8	4475.4	4448.0	4432.0	4406.8	4390.9	4370.3	4347.4	4333.7
15°	4516.7	4486.8	4461.8	4432.0	4402.2	4384.0	4354.3	4336.1	4306.3	4283.4	4267.5
17.5°	4468.6	4443.4	4416.1	4379.4	4352.1	4329.2	4297.0	4274.3	4246.9	4217.2	4201.1
20°	4418.3	4388.5	4361.2	4324.6	4297.0	4269.7	4237.8	4212.7	4180.5	4153.2	4134.9
22.5°	4352.1	4317.8	4294.8	4258.2	4226.3	4196.6	4166.9	4137.2	4107.5	4084.5	4064.0
25°	4256.0	4219.4	4194.2	4164.5	4134.9	4112.1	4075.4	4057.2	4027.5	4006.9	3986.2
27.5°	4118.8	4091.4	4068.6	4038.9	4013.8	3995.4	3968.0	3949.8	3924.6	3906.3	3890.2
30°	3917.8	3894.9	3874.3	3844.6	3826.4	3810.4	3785.1	3769.1	3750.9	3730.3	3725.8
32.5°	3648.0	3629.7	3609.2	3588.5	3574.8	3565.7	3545.1	3536.0	3517.8	3506.3	3494.8
35°	3241.1	3225.2	3213.8	3204.7	3200.1	3202.3	3197.8	3206.9	3211.4	3209.2	3211.4
37.5°	2708.7	2699.4	2704.0	2710.9	2733.8	2763.5	2790.9	2832.0	2859.4	2886.9	2912.1
40°	2114.3	2121.2	2139.4	2180.6	2240.0	2306.4	2368.0	2445.8	2523.5	2578.3	2628.6
42.5°	1595.5	1616.1	1661.6	1721.1	1810.4	1908.6	2004.6	2118.8	2212.6	2304.0	2368.0
45°	1200.0	1227.4	1286.9	1369.1	1467.4	1581.8	1702.9	1830.8	1942.9	2036.6	2107.5
47.5°	934.9	960.0	1019.5	1106.3	1227.4	1346.3	1472.1	1604.6	1721.1	1812.6	1874.2
50°	738.2	770.3	822.8	914.3	1035.4	1161.1	1291.5	1421.7	1531.5	1609.2	1664.0
52.5°	580.6	610.3	660.6	756.6	880.1	1005.8	1126.8	1254.8	1350.8	1426.3	1462.8
55°	450.2	477.8	530.2	610.3	726.9	850.3	971.4	1081.2	1170.3	1225.1	1259.4
57.5°	342.8	363.5	400.0	480.0	585.2	699.4	802.4	912.0	980.7	1019.5	1042.2
60°	260.7	276.6	315.4	377.2	473.2	571.5	658.2	740.6	795.5	827.4	850.3
62.5°	196.5	214.9	242.2	294.9	368.0	448.0	521.1	582.9	628.5	649.1	665.2
65°	134.8	148.5	169.2	210.3	272.0	329.1	386.3	432.0	461.7	484.6	493.8
67.5°	100.6	109.7	121.2	153.1	196.5	242.2	281.1	313.1	345.2	354.3	370.3
70°	75.5	82.4	93.7	116.6	141.6	173.7	205.8	224.0	246.8	262.9	267.5
72.5°	48.0	50.3	61.8	75.5	96.0	116.6	137.1	153.1	167.0	176.1	180.6
75°	27.4	41.1	41.1	54.9	68.6	77.7	91.5	102.8	109.7	116.6	116.6
77.5°	18.2	25.1	27.4	34.2	41.1	52.5	64.0	70.9	77.7	80.0	80.0
80°	16.0	18.2	18.2	25.1	29.7	38.8	45.7	48.0	52.5	54.9	59.5
82.5°	6.9	9.1	11.4	18.2	20.6	20.6	27.4	29.7	34.2	36.6	36.6
85°	2.2	4.6	4.6	6.9	11.4	13.7	16.0	18.2	20.6	20.6	22.8
87.5°	2.2	2.2	0.0	2.2	4.6	4.6	9.1	9.1	9.1	13.7	13.7
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: P248852

CATALOG NUMBER: LD8B100D010 ER8B100927 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	4681.1	4681.1	4681.1	4681.1	4681.1	4681.1	4681.1
2.5°	4640.1	4642.3	4633.2	4631.0	4626.3	4628.6	4633.2
5°	4555.5	4557.7	4548.6	4539.5	4539.5	4537.1	4539.5
7.5°	4475.4	4477.7	4464.0	4459.4	4450.3	4452.6	4452.6
10°	4395.4	4395.4	4374.9	4372.5	4365.7	4363.4	4363.4
12.5°	4317.8	4310.9	4294.8	4285.7	4290.3	4276.6	4276.6
15°	4249.1	4237.8	4217.2	4210.3	4198.8	4194.2	4194.2
17.5°	4178.2	4169.1	4150.9	4137.2	4123.5	4121.2	4123.5
20°	4109.7	4100.5	4077.7	4068.6	4057.2	4057.2	4052.6
22.5°	4041.1	4032.0	4011.5	4004.6	3988.6	3988.6	3990.8
25°	3970.2	3963.4	3940.5	3936.0	3933.8	3924.6	3929.2
27.5°	3874.3	3869.7	3851.4	3844.6	3835.5	3833.2	3837.7
30°	3698.3	3691.4	3677.7	3670.9	3654.9	3657.2	3661.6
32.5°	3478.8	3469.7	3451.4	3444.5	3430.9	3426.3	3428.6
35°	3204.7	3197.8	3181.7	3181.7	3168.0	3163.4	3168.0
37.5°	2925.8	2932.5	2925.8	2932.5	2925.8	2923.4	2925.8
40°	2662.9	2688.1	2692.6	2717.8	2708.7	2722.3	2720.0
42.5°	2411.4	2452.5	2468.6	2489.2	2484.6	2493.8	2500.6
45°	2157.6	2192.1	2208.0	2221.8	2224.0	2228.6	2230.9
47.5°	1917.7	1945.1	1947.4	1963.4	1961.1	1961.1	1968.0
50°	1693.8	1712.0	1716.5	1728.0	1718.9	1714.3	1716.5
52.5°	1485.8	1504.0	1499.4	1504.0	1492.6	1488.0	1490.3
55°	1273.2	1282.3	1282.3	1282.3	1268.6	1268.6	1268.6
57.5°	1055.9	1058.3	1053.7	1055.9	1053.7	1040.0	1037.7
60°	857.1	857.1	854.8	857.1	850.3	843.4	843.4
62.5°	669.7	674.3	683.4	674.3	669.7	674.3	667.5
65°	500.6	509.7	507.4	512.0	509.7	509.7	505.1
67.5°	377.2	379.5	381.7	384.1	384.1	384.1	384.1
70°	276.6	283.5	281.1	281.1	281.1	281.1	294.9
72.5°	185.2	194.3	192.0	196.5	196.5	201.2	196.5
75°	125.7	134.8	130.3	137.1	134.8	130.3	141.6
77.5°	84.6	89.2	91.5	93.7	91.5	89.2	91.5
80°	59.5	64.0	61.8	64.0	64.0	64.0	66.4
82.5°	36.6	43.4	41.1	43.4	41.1	43.4	43.4
85°	25.1	27.4	22.8	27.4	25.1	25.1	29.7
87.5°	16.0	13.7	13.7	16.0	13.7	16.0	13.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)