

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: P248645

Luminaire Tested: **LD8B100D010 ER8B100930 8LBSW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248645
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 ER8B100930 8LBSW0H
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
97 CRI 3000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8982.6 lumens
Efficiency: N/A
Efficacy: 84.5 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

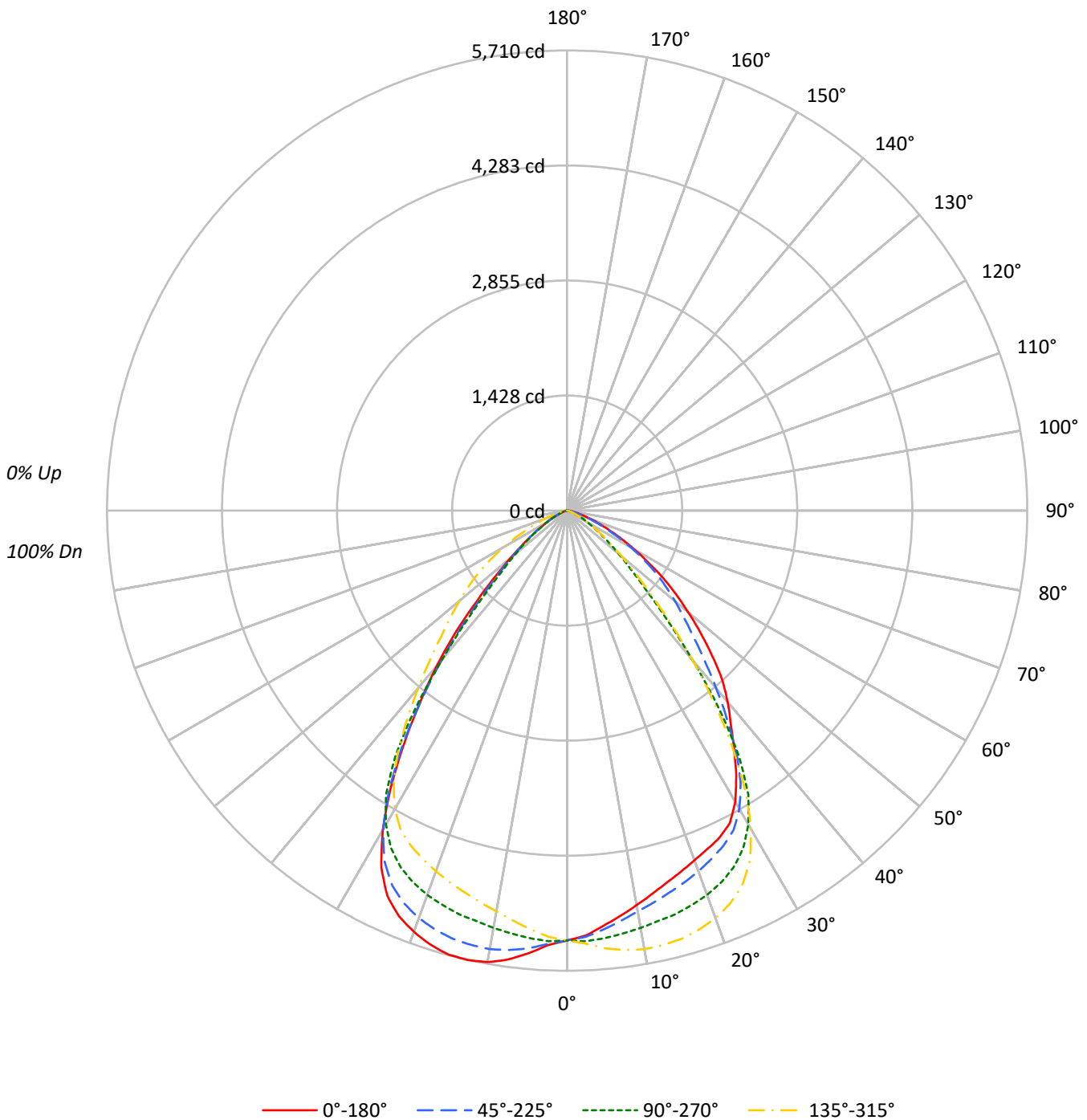
Input Watts (W): 106.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	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°				



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	507.6	5.7
10°-20°	1469.8	16.4
20°-30°	2225.6	24.8
30°-40°	2230.6	24.8
40°-50°	1400.7	15.6
50°-60°	746.4	8.3
60°-70°	306.9	3.4
70°-80°	81.1	0.9
80°-90°	13.7	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°	4203.0	46.8
0°-40°	6433.6	71.6
0°-60°	8580.8	95.5
0°-90°	8982.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8982.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	5333	5333	5333	5333	5333	
5°	5171	5325	5515	5325	5171	488
15°	4778	5187	5702	5187	4778	1351
25°	4476	4885	5278	4885	4476	2053
35°	3609	3710	3520	3710	3609	2261
45°	2541	1359	1573	1359	2541	1955
55°	1445	502	531	502	1445	1288
65°	575	154	141	154	575	597
75°	161	31	26	31	161	183
85°	34	0	3	0	34	37
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°	5332.7	5332.7	5332.7	5332.7	5332.7	5332.7	5332.7	5332.7	5332.7	5332.7	5332.7
2.5°	5278.0	5272.7	5270.2	5275.4	5278.0	5288.4	5285.9	5291.0	5291.0	5293.7	5298.9
5°	5171.3	5168.6	5171.3	5171.3	5181.7	5192.0	5189.4	5197.3	5202.4	5215.6	5220.7
7.5°	5072.3	5072.3	5069.6	5080.0	5085.3	5101.0	5098.3	5111.3	5119.2	5132.2	5150.3
10°	4970.7	4970.7	4973.3	4981.2	4983.9	5007.2	5007.2	5025.4	5035.8	5048.9	5072.3
12.5°	4871.9	4871.9	4887.4	4882.2	4892.6	4910.9	4918.6	4936.9	4952.5	4978.6	5002.0
15°	4778.0	4778.0	4783.3	4796.2	4804.0	4827.6	4840.5	4861.4	4879.6	4905.7	4939.6
17.5°	4697.3	4694.7	4697.3	4713.0	4728.6	4749.5	4759.8	4785.9	4804.0	4837.9	4869.3
20°	4616.6	4621.9	4621.9	4634.9	4645.2	4671.3	4681.6	4710.4	4731.2	4762.3	4798.9
22.5°	4546.3	4543.7	4543.7	4561.9	4569.8	4593.2	4603.5	4629.6	4653.0	4679.1	4713.0
25°	4476.0	4470.8	4481.3	4483.9	4488.9	4515.1	4522.9	4541.1	4564.5	4588.0	4621.9
27.5°	4371.8	4366.7	4369.2	4379.6	4387.5	4408.2	4413.5	4431.8	4449.9	4470.8	4499.5
30°	4171.4	4166.2	4163.6	4181.8	4189.6	4205.2	4212.9	4244.3	4249.5	4272.9	4293.7
32.5°	3905.7	3903.1	3908.4	3923.9	3931.8	3952.6	3963.1	3981.2	3994.2	4007.4	4028.1
35°	3608.9	3603.7	3608.9	3624.6	3624.6	3642.8	3650.6	3658.4	3655.8	3658.4	3653.2
37.5°	3333.0	3330.3	3333.0	3340.7	3333.0	3340.7	3333.0	3317.4	3288.7	3257.4	3226.1
40°	3098.6	3101.1	3085.7	3096.0	3067.3	3062.1	3033.5	2994.4	2937.1	2874.7	2786.1
42.5°	2848.7	2840.8	2830.4	2835.6	2812.3	2793.9	2747.0	2697.6	2624.6	2520.6	2413.7
45°	2541.4	2538.8	2533.6	2531.0	2515.3	2497.1	2458.0	2400.7	2320.0	2213.3	2085.6
47.5°	2241.9	2234.0	2234.0	2236.6	2218.5	2215.9	2184.6	2135.2	2064.9	1960.7	1827.9
50°	1955.5	1952.9	1958.2	1968.5	1955.5	1950.3	1929.5	1895.6	1833.2	1744.6	1619.5
52.5°	1697.6	1695.1	1700.3	1713.3	1708.1	1713.3	1692.5	1666.5	1624.8	1538.8	1429.5
55°	1445.2	1445.2	1445.2	1460.7	1460.7	1460.7	1450.3	1434.8	1395.6	1333.2	1231.6
57.5°	1182.2	1184.7	1200.4	1202.9	1200.4	1205.6	1202.9	1187.3	1161.4	1117.1	1038.9
60°	960.8	960.8	968.7	976.5	973.8	976.5	976.5	968.7	942.6	906.2	843.7
62.5°	760.3	768.1	762.8	768.1	778.5	768.1	762.8	757.7	739.5	716.1	664.0
65°	575.4	580.7	580.7	583.3	578.0	580.7	570.3	562.5	552.1	526.0	492.1
67.5°	437.5	437.5	437.5	437.5	434.8	432.3	429.7	421.8	403.7	393.2	356.7
70°	335.9	320.3	320.3	320.3	320.3	323.0	315.1	304.7	299.4	281.3	255.1
72.5°	223.9	229.1	223.9	223.9	218.7	221.3	211.0	205.7	200.5	190.1	174.4
75°	161.4	148.4	153.6	156.3	148.4	153.6	143.2	132.8	132.8	125.0	117.1
77.5°	104.1	101.6	104.1	106.7	104.1	101.6	96.4	91.1	91.1	88.6	80.7
80°	75.6	72.9	72.9	72.9	70.3	72.9	67.7	67.7	62.4	59.9	54.7
82.5°	49.5	49.5	46.9	49.5	46.9	49.5	41.7	41.7	41.7	39.0	33.9
85°	33.9	28.6	28.6	31.3	26.0	31.3	28.6	26.0	23.4	23.4	20.7
87.5°	15.7	18.3	15.7	18.3	15.7	15.7	18.3	15.7	15.7	10.4	10.4
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°	5332.7	5332.7	5332.7	5332.7	5332.7	5332.7	5332.7	5332.7	5332.7	5332.7	5332.7
2.5°	5306.6	5309.2	5309.2	5319.7	5324.9	5327.4	5327.4	5348.3	5340.4	5345.7	5350.9
5°	5231.1	5246.7	5252.0	5252.0	5280.6	5291.0	5301.3	5324.9	5327.4	5343.0	5361.3
7.5°	5158.2	5176.4	5186.9	5210.3	5228.5	5246.7	5278.0	5293.7	5309.2	5330.1	5353.4
10°	5087.9	5108.7	5129.6	5147.7	5176.4	5199.9	5220.7	5257.2	5275.4	5304.0	5335.3
12.5°	5020.3	5048.9	5067.0	5098.3	5129.6	5150.3	5181.7	5215.6	5244.2	5272.7	5309.2
15°	4960.3	4994.2	5015.0	5048.9	5082.7	5111.3	5145.2	5186.9	5207.7	5241.6	5275.4
17.5°	4895.2	4931.7	4957.7	4988.9	5030.6	5061.9	5090.6	5132.2	5158.2	5194.6	5233.7
20°	4827.6	4864.0	4895.2	4926.5	4968.2	4999.3	5033.2	5074.9	5103.6	5140.0	5171.3
22.5°	4746.9	4780.7	4814.5	4850.9	4892.6	4918.6	4957.7	4994.2	5025.4	5059.3	5090.6
25°	4642.6	4684.3	4710.4	4744.2	4778.0	4806.6	4848.3	4884.8	4910.9	4942.2	4970.7
27.5°	4520.3	4551.6	4572.3	4600.9	4634.9	4660.9	4692.1	4728.6	4754.7	4783.3	4804.0
30°	4311.9	4340.6	4358.9	4379.6	4413.5	4437.0	4463.0	4496.8	4515.1	4535.9	4554.2
32.5°	4038.5	4061.9	4072.4	4088.1	4111.5	4134.9	4155.8	4184.4	4192.2	4205.2	4205.2
35°	3642.8	3648.0	3645.4	3650.6	3661.1	3674.0	3692.2	3710.4	3720.8	3720.8	3713.1
37.5°	3179.3	3148.1	3114.3	3088.1	3080.4	3075.1	3085.7	3093.3	3103.8	3109.0	3096.0
40°	2697.6	2627.3	2551.7	2484.0	2437.2	2416.4	2408.6	2413.7	2413.7	2431.9	2431.9
42.5°	2283.6	2174.2	2062.3	1960.7	1892.9	1841.0	1817.5	1817.5	1820.1	1833.2	1841.0
45°	1939.9	1801.9	1671.6	1559.8	1465.9	1398.2	1367.1	1359.2	1356.6	1361.8	1380.0
47.5°	1676.9	1533.6	1398.2	1260.3	1161.4	1093.6	1065.1	1054.5	1044.1	1054.5	1057.2
50°	1471.2	1322.8	1179.6	1041.5	937.4	877.4	841.0	825.4	822.8	822.8	828.1
52.5°	1283.7	1145.7	1002.5	861.9	752.5	695.2	661.4	653.5	643.1	653.5	653.5
55°	1106.7	968.7	828.1	695.2	604.0	544.2	513.0	502.5	497.3	505.1	505.1
57.5°	914.0	796.7	666.7	546.8	455.7	414.0	390.6	377.6	374.9	380.1	374.9
60°	749.9	651.0	539.0	429.7	359.4	315.1	296.8	291.6	286.4	291.6	291.6
62.5°	593.7	510.4	419.1	335.9	276.0	244.8	223.9	223.9	221.3	221.3	223.9
65°	440.1	374.9	309.8	239.6	192.7	169.3	153.6	153.6	151.0	153.6	151.0
67.5°	320.3	276.0	223.9	174.4	138.0	125.0	114.6	106.7	112.0	106.7	104.1
70°	234.4	197.9	161.4	132.8	106.7	93.8	86.0	83.3	78.1	78.1	78.1
72.5°	156.3	132.8	109.3	86.0	70.3	57.3	54.7	49.5	44.3	46.9	52.1
75°	104.1	88.6	78.1	62.4	46.9	46.9	31.3	31.3	26.0	31.3	23.4
77.5°	72.9	59.9	46.9	39.0	31.3	28.6	20.7	20.7	18.3	18.3	18.3
80°	52.1	44.3	33.9	28.6	20.7	20.7	18.3	15.7	13.0	13.0	15.7
82.5°	31.3	23.4	23.4	20.7	13.0	10.4	7.8	10.4	5.3	5.3	5.3
85°	18.3	15.7	13.0	7.8	5.3	5.3	2.6	0.0	2.6	2.6	0.0
87.5°	10.4	5.3	5.3	2.6	0.0	2.6	2.6	0.0	0.0	0.0	5.3
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°	5332.7	5332.7	5332.7	5332.7	5332.7	5332.7	5332.7	5332.7	5332.7	5332.7	5332.7
2.5°	5364.0	5361.3	5366.6	5366.6	5382.1	5379.5	5387.3	5387.3	5382.1	5384.7	5395.1
5°	5382.1	5390.0	5405.6	5418.6	5442.0	5452.5	5465.4	5478.6	5481.1	5489.0	5496.7
7.5°	5382.1	5408.3	5426.4	5449.9	5481.1	5499.3	5528.0	5551.4	5561.8	5574.7	5590.4
10°	5371.7	5397.7	5431.6	5457.6	5496.7	5525.4	5554.0	5590.4	5606.1	5626.9	5647.8
12.5°	5350.9	5379.5	5416.0	5449.9	5494.0	5520.1	5556.6	5590.4	5613.9	5642.6	5666.0
15°	5319.7	5353.4	5387.3	5421.2	5468.0	5499.3	5533.1	5572.2	5595.7	5626.9	5647.8
17.5°	5270.2	5306.6	5337.9	5369.1	5413.4	5449.9	5481.1	5517.6	5541.0	5567.1	5595.7
20°	5210.3	5244.2	5278.0	5304.0	5348.3	5379.5	5413.4	5447.3	5465.4	5470.7	5515.0
22.5°	5134.9	5158.2	5184.2	5225.9	5252.0	5280.6	5311.9	5343.0	5361.3	5390.0	5405.6
25°	5009.7	5033.2	5061.9	5080.0	5111.3	5134.9	5166.0	5199.9	5210.3	5231.1	5246.7
27.5°	4835.3	4848.3	4861.4	4876.9	4895.2	4908.3	4926.5	4942.2	4952.5	4962.9	4973.3
30°	4559.3	4559.3	4559.3	4548.9	4556.8	4564.5	4567.1	4564.5	4564.5	4561.9	4561.9
32.5°	4194.8	4173.9	4150.5	4129.8	4121.9	4111.5	4106.2	4098.4	4085.5	4077.6	4080.2
35°	3702.7	3655.8	3627.2	3601.1	3580.4	3564.7	3556.8	3549.1	3546.5	3536.1	3525.5
37.5°	3088.1	3054.3	3033.5	3017.8	2999.7	2984.0	2986.6	2989.3	2997.0	2991.8	2994.4
40°	2437.2	2429.3	2437.2	2419.0	2413.7	2419.0	2431.9	2450.3	2460.7	2471.0	2489.3
42.5°	1853.9	1866.9	1885.2	1885.2	1892.9	1903.5	1919.0	1947.7	1963.2	1981.5	2002.3
45°	1395.6	1411.3	1434.8	1442.5	1447.8	1460.7	1479.0	1502.4	1512.8	1528.5	1546.6
47.5°	1075.4	1085.8	1098.8	1111.8	1124.8	1130.1	1148.2	1148.2	1161.4	1171.8	1176.9
50°	838.4	848.8	859.2	867.1	872.4	880.1	885.3	893.1	895.7	900.9	903.5
52.5°	656.1	669.2	669.2	674.4	682.1	690.0	687.4	690.0	692.6	692.6	700.4
55°	513.0	513.0	520.8	520.8	526.0	523.4	526.0	526.0	526.0	526.0	528.6
57.5°	382.7	385.4	393.2	388.0	385.4	390.6	385.4	390.6	388.0	393.2	385.4
60°	294.2	294.2	296.8	296.8	299.4	299.4	299.4	296.8	296.8	294.2	294.2
62.5°	221.3	223.9	226.6	223.9	223.9	223.9	221.3	221.3	218.7	216.0	216.0
65°	148.4	145.8	151.0	145.8	148.4	148.4	145.8	148.4	140.6	143.2	140.6
67.5°	106.7	104.1	101.6	104.1	101.6	98.9	98.9	101.6	104.1	96.4	96.4
70°	70.3	72.9	70.3	72.9	75.6	75.6	72.9	70.3	72.9	67.7	70.3
72.5°	44.3	44.3	44.3	44.3	44.3	46.9	46.9	46.9	41.7	41.7	39.0
75°	20.7	28.6	23.4	20.7	28.6	28.6	26.0	26.0	23.4	23.4	23.4
77.5°	20.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	13.0	15.7	13.0
80°	10.4	10.4	10.4	7.8	10.4	10.4	13.0	10.4	10.4	7.8	13.0
82.5°	5.3	5.3	5.3	0.0	2.6	5.3	5.3	2.6	5.3	5.3	2.6
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: P248645

CATALOG NUMBER: LD8B100D010 ER8B100930 8LBSW0H

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	5332.7	5332.7	5332.7	5332.7	5332.7	5332.7	5332.7	5332.7	5332.7	5332.7	5332.7
2.5°	5392.6	5390.0	5392.6	5395.1	5392.6	5390.0	5392.6	5395.1	5384.7	5382.1	5387.3
5°	5507.1	5507.1	5512.3	5515.0	5512.3	5507.1	5507.1	5496.7	5489.0	5481.1	5478.6
7.5°	5606.1	5611.3	5616.4	5619.0	5616.4	5611.3	5606.1	5590.4	5574.7	5561.8	5551.4
10°	5666.0	5673.8	5684.3	5689.3	5684.3	5673.8	5666.0	5647.8	5626.9	5606.1	5590.4
12.5°	5692.0	5699.8	5712.8	5710.3	5712.8	5699.8	5692.0	5666.0	5642.6	5613.9	5590.4
15°	5673.8	5684.3	5697.1	5702.4	5697.1	5684.3	5673.8	5647.8	5626.9	5595.7	5572.2
17.5°	5616.4	5632.1	5640.0	5647.8	5640.0	5632.1	5616.4	5595.7	5567.1	5541.0	5517.6
20°	5538.3	5548.8	5559.3	5561.8	5559.3	5548.8	5538.3	5515.0	5470.7	5465.4	5447.3
22.5°	5426.4	5434.3	5457.6	5449.9	5457.6	5434.3	5426.4	5405.6	5390.0	5361.3	5343.0
25°	5264.9	5272.7	5275.4	5278.0	5275.4	5272.7	5264.9	5246.7	5231.1	5210.3	5199.9
27.5°	4986.4	4986.4	4991.5	4994.2	4991.5	4986.4	4986.4	4973.3	4962.9	4952.5	4942.2
30°	4564.5	4564.5	4564.5	4577.6	4564.5	4564.5	4564.5	4561.9	4561.9	4564.5	4564.5
32.5°	4077.6	4072.4	4067.2	4072.4	4067.2	4072.4	4077.6	4080.2	4077.6	4085.5	4098.4
35°	3525.5	3523.0	3530.8	3520.4	3530.8	3523.0	3525.5	3525.5	3536.1	3546.5	3549.1
37.5°	2997.0	2991.8	3002.3	2991.8	3002.3	2991.8	2997.0	2994.4	2991.8	2997.0	2989.3
40°	2494.6	2499.7	2499.7	2520.6	2499.7	2499.7	2494.6	2489.3	2471.0	2460.7	2450.3
42.5°	2012.8	2028.4	2023.2	2038.8	2023.2	2028.4	2012.8	2002.3	1981.5	1963.2	1947.7
45°	1557.1	1567.6	1567.6	1572.7	1567.6	1567.6	1557.1	1546.6	1528.5	1512.8	1502.4
47.5°	1195.1	1195.1	1195.1	1197.8	1195.1	1195.1	1195.1	1176.9	1171.8	1161.4	1148.2
50°	908.8	911.4	914.0	916.5	914.0	911.4	908.8	903.5	900.9	895.7	893.1
52.5°	697.8	700.4	695.2	700.4	695.2	700.4	697.8	700.4	692.6	692.6	690.0
55°	528.6	526.0	528.6	531.1	528.6	526.0	528.6	528.6	526.0	526.0	526.0
57.5°	388.0	382.7	382.7	382.7	382.7	382.7	388.0	385.4	393.2	388.0	390.6
60°	289.1	291.6	291.6	294.2	291.6	291.6	289.1	294.2	294.2	296.8	296.8
62.5°	213.6	221.3	216.0	221.3	216.0	221.3	213.6	216.0	216.0	218.7	221.3
65°	138.0	138.0	138.0	140.6	138.0	138.0	138.0	140.6	143.2	140.6	148.4
67.5°	93.8	96.4	101.6	98.9	101.6	96.4	93.8	96.4	96.4	104.1	101.6
70°	75.6	67.7	67.7	75.6	67.7	67.7	75.6	70.3	67.7	72.9	70.3
72.5°	44.3	39.0	44.3	44.3	44.3	39.0	44.3	39.0	41.7	41.7	46.9
75°	23.4	20.7	18.3	26.0	18.3	20.7	23.4	23.4	23.4	23.4	26.0
77.5°	15.7	13.0	18.3	18.3	18.3	13.0	15.7	13.0	15.7	13.0	15.7
80°	7.8	10.4	7.8	13.0	7.8	10.4	7.8	13.0	7.8	10.4	10.4
82.5°	2.6	5.3	5.3	5.3	5.3	5.3	2.6	2.6	5.3	5.3	2.6
85°	0.0	5.3	2.6	2.6	2.6	5.3	0.0	0.0	0.0	0.0	0.0
87.5°	2.6	0.0	0.0	2.6	0.0	0.0	2.6	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: P248645

CATALOG NUMBER: LD8B100D010 ER8B100930 8LBSW0H

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	5332.7	5332.7	5332.7	5332.7	5332.7	5332.7	5332.7	5332.7	5332.7	5332.7	5332.7
2.5°	5387.3	5379.5	5382.1	5366.6	5366.6	5361.3	5364.0	5350.9	5345.7	5340.4	5348.3
5°	5465.4	5452.5	5442.0	5418.6	5405.6	5390.0	5382.1	5361.3	5343.0	5327.4	5324.9
7.5°	5528.0	5499.3	5481.1	5449.9	5426.4	5408.3	5382.1	5353.4	5330.1	5309.2	5293.7
10°	5554.0	5525.4	5496.7	5457.6	5431.6	5397.7	5371.7	5335.3	5304.0	5275.4	5257.2
12.5°	5556.6	5520.1	5494.0	5449.9	5416.0	5379.5	5350.9	5309.2	5272.7	5244.2	5215.6
15°	5533.1	5499.3	5468.0	5421.2	5387.3	5353.4	5319.7	5275.4	5241.6	5207.7	5186.9
17.5°	5481.1	5449.9	5413.4	5369.1	5337.9	5306.6	5270.2	5233.7	5194.6	5158.2	5132.2
20°	5413.4	5379.5	5348.3	5304.0	5278.0	5244.2	5210.3	5171.3	5140.0	5103.6	5074.9
22.5°	5311.9	5280.6	5252.0	5225.9	5184.2	5158.2	5134.9	5090.6	5059.3	5025.4	4994.2
25°	5166.0	5134.9	5111.3	5080.0	5061.9	5033.2	5009.7	4970.7	4942.2	4910.9	4884.8
27.5°	4926.5	4908.3	4895.2	4876.9	4861.4	4848.3	4835.3	4804.0	4783.3	4754.7	4728.6
30°	4567.1	4564.5	4556.8	4548.9	4559.3	4559.3	4559.3	4554.2	4535.9	4515.1	4496.8
32.5°	4106.2	4111.5	4121.9	4129.8	4150.5	4173.9	4194.8	4205.2	4205.2	4192.2	4184.4
35°	3556.8	3564.7	3580.4	3601.1	3627.2	3655.8	3702.7	3713.1	3720.8	3720.8	3710.4
37.5°	2986.6	2984.0	2999.7	3017.8	3033.5	3054.3	3088.1	3096.0	3109.0	3103.8	3093.3
40°	2431.9	2419.0	2413.7	2419.0	2437.2	2429.3	2437.2	2431.9	2431.9	2413.7	2413.7
42.5°	1919.0	1903.5	1892.9	1885.2	1885.2	1866.9	1853.9	1841.0	1833.2	1820.1	1817.5
45°	1479.0	1460.7	1447.8	1442.5	1434.8	1411.3	1395.6	1380.0	1361.8	1356.6	1359.2
47.5°	1148.2	1130.1	1124.8	1111.8	1098.8	1085.8	1075.4	1057.2	1054.5	1044.1	1054.5
50°	885.3	880.1	872.4	867.1	859.2	848.8	838.4	828.1	822.8	822.8	825.4
52.5°	687.4	690.0	682.1	674.4	669.2	669.2	656.1	653.5	653.5	643.1	653.5
55°	526.0	523.4	526.0	520.8	520.8	513.0	513.0	505.1	505.1	497.3	502.5
57.5°	385.4	390.6	385.4	388.0	393.2	385.4	382.7	374.9	380.1	374.9	377.6
60°	299.4	299.4	299.4	296.8	296.8	294.2	294.2	291.6	291.6	286.4	291.6
62.5°	221.3	223.9	223.9	223.9	226.6	223.9	221.3	223.9	221.3	221.3	223.9
65°	145.8	148.4	148.4	145.8	151.0	145.8	148.4	151.0	153.6	151.0	153.6
67.5°	98.9	98.9	101.6	104.1	101.6	104.1	106.7	104.1	106.7	112.0	106.7
70°	72.9	75.6	75.6	72.9	70.3	72.9	70.3	78.1	78.1	78.1	83.3
72.5°	46.9	46.9	44.3	44.3	44.3	44.3	44.3	52.1	46.9	44.3	49.5
75°	26.0	28.6	28.6	20.7	23.4	28.6	20.7	23.4	31.3	26.0	31.3
77.5°	15.7	15.7	15.7	15.7	15.7	15.7	20.7	18.3	18.3	18.3	20.7
80°	13.0	10.4	10.4	7.8	10.4	10.4	10.4	15.7	13.0	13.0	15.7
82.5°	5.3	5.3	2.6	0.0	5.3	5.3	5.3	5.3	5.3	5.3	10.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	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: P248645

CATALOG NUMBER: LD8B100D010 ER8B100930 8LBSW0H

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	5332.7	5332.7	5332.7	5332.7	5332.7	5332.7	5332.7	5332.7	5332.7	5332.7	5332.7
2.5°	5327.4	5327.4	5324.9	5319.7	5309.2	5309.2	5306.6	5298.9	5293.7	5291.0	5291.0
5°	5301.3	5291.0	5280.6	5252.0	5252.0	5246.7	5231.1	5220.7	5215.6	5202.4	5197.3
7.5°	5278.0	5246.7	5228.5	5210.3	5186.9	5176.4	5158.2	5150.3	5132.2	5119.2	5111.3
10°	5220.7	5199.9	5176.4	5147.7	5129.6	5108.7	5087.9	5072.3	5048.9	5035.8	5025.4
12.5°	5181.7	5150.3	5129.6	5098.3	5067.0	5048.9	5020.3	5002.0	4978.6	4952.5	4936.9
15°	5145.2	5111.3	5082.7	5048.9	5015.0	4994.2	4960.3	4939.6	4905.7	4879.6	4861.4
17.5°	5090.6	5061.9	5030.6	4988.9	4957.7	4931.7	4895.2	4869.3	4837.9	4804.0	4785.9
20°	5033.2	4999.3	4968.2	4926.5	4895.2	4864.0	4827.6	4798.9	4762.3	4731.2	4710.4
22.5°	4957.7	4918.6	4892.6	4850.9	4814.5	4780.7	4746.9	4713.0	4679.1	4653.0	4629.6
25°	4848.3	4806.6	4778.0	4744.2	4710.4	4684.3	4642.6	4621.9	4588.0	4564.5	4541.1
27.5°	4692.1	4660.9	4634.9	4600.9	4572.3	4551.6	4520.3	4499.5	4470.8	4449.9	4431.8
30°	4463.0	4437.0	4413.5	4379.6	4358.9	4340.6	4311.9	4293.7	4272.9	4249.5	4244.3
32.5°	4155.8	4134.9	4111.5	4088.1	4072.4	4061.9	4038.5	4028.1	4007.4	3994.2	3981.2
35°	3692.2	3674.0	3661.1	3650.6	3645.4	3648.0	3642.8	3653.2	3658.4	3655.8	3658.4
37.5°	3085.7	3075.1	3080.4	3088.1	3114.3	3148.1	3179.3	3226.1	3257.4	3288.7	3317.4
40°	2408.6	2416.4	2437.2	2484.0	2551.7	2627.3	2697.6	2786.1	2874.7	2937.1	2994.4
42.5°	1817.5	1841.0	1892.9	1960.7	2062.3	2174.2	2283.6	2413.7	2520.6	2624.6	2697.6
45°	1367.1	1398.2	1465.9	1559.8	1671.6	1801.9	1939.9	2085.6	2213.3	2320.0	2400.7
47.5°	1065.1	1093.6	1161.4	1260.3	1398.2	1533.6	1676.9	1827.9	1960.7	2064.9	2135.2
50°	841.0	877.4	937.4	1041.5	1179.6	1322.8	1471.2	1619.5	1744.6	1833.2	1895.6
52.5°	661.4	695.2	752.5	861.9	1002.5	1145.7	1283.7	1429.5	1538.8	1624.8	1666.5
55°	513.0	544.2	604.0	695.2	828.1	968.7	1106.7	1231.6	1333.2	1395.6	1434.8
57.5°	390.6	414.0	455.7	546.8	666.7	796.7	914.0	1038.9	1117.1	1161.4	1187.3
60°	296.8	315.1	359.4	429.7	539.0	651.0	749.9	843.7	906.2	942.6	968.7
62.5°	223.9	244.8	276.0	335.9	419.1	510.4	593.7	664.0	716.1	739.5	757.7
65°	153.6	169.3	192.7	239.6	309.8	374.9	440.1	492.1	526.0	552.1	562.5
67.5°	114.6	125.0	138.0	174.4	223.9	276.0	320.3	356.7	393.2	403.7	421.8
70°	86.0	93.8	106.7	132.8	161.4	197.9	234.4	255.1	281.3	299.4	304.7
72.5°	54.7	57.3	70.3	86.0	109.3	132.8	156.3	174.4	190.1	200.5	205.7
75°	31.3	46.9	46.9	62.4	78.1	88.6	104.1	117.1	125.0	132.8	132.8
77.5°	20.7	28.6	31.3	39.0	46.9	59.9	72.9	80.7	88.6	91.1	91.1
80°	18.3	20.7	20.7	28.6	33.9	44.3	52.1	54.7	59.9	62.4	67.7
82.5°	7.8	10.4	13.0	20.7	23.4	23.4	31.3	33.9	39.0	41.7	41.7
85°	2.6	5.3	5.3	7.8	13.0	15.7	18.3	20.7	23.4	23.4	26.0
87.5°	2.6	2.6	0.0	2.6	5.3	5.3	10.4	10.4	10.4	15.7	15.7
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: P248645

CATALOG NUMBER: LD8B100D010 ER8B100930 8LBSW0H

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	5332.7	5332.7	5332.7	5332.7	5332.7	5332.7	5332.7
2.5°	5285.9	5288.4	5278.0	5275.4	5270.2	5272.7	5278.0
5°	5189.4	5192.0	5181.7	5171.3	5171.3	5168.6	5171.3
7.5°	5098.3	5101.0	5085.3	5080.0	5069.6	5072.3	5072.3
10°	5007.2	5007.2	4983.9	4981.2	4973.3	4970.7	4970.7
12.5°	4918.6	4910.9	4892.6	4882.2	4887.4	4871.9	4871.9
15°	4840.5	4827.6	4804.0	4796.2	4783.3	4778.0	4778.0
17.5°	4759.8	4749.5	4728.6	4713.0	4697.3	4694.7	4697.3
20°	4681.6	4671.3	4645.2	4634.9	4621.9	4621.9	4616.6
22.5°	4603.5	4593.2	4569.8	4561.9	4543.7	4543.7	4546.3
25°	4522.9	4515.1	4488.9	4483.9	4481.3	4470.8	4476.0
27.5°	4413.5	4408.2	4387.5	4379.6	4369.2	4366.7	4371.8
30°	4212.9	4205.2	4189.6	4181.8	4163.6	4166.2	4171.4
32.5°	3963.1	3952.6	3931.8	3923.9	3908.4	3903.1	3905.7
35°	3650.6	3642.8	3624.6	3624.6	3608.9	3603.7	3608.9
37.5°	3333.0	3340.7	3333.0	3340.7	3333.0	3330.3	3333.0
40°	3033.5	3062.1	3067.3	3096.0	3085.7	3101.1	3098.6
42.5°	2747.0	2793.9	2812.3	2835.6	2830.4	2840.8	2848.7
45°	2458.0	2497.1	2515.3	2531.0	2533.6	2538.8	2541.4
47.5°	2184.6	2215.9	2218.5	2236.6	2234.0	2234.0	2241.9
50°	1929.5	1950.3	1955.5	1968.5	1958.2	1952.9	1955.5
52.5°	1692.5	1713.3	1708.1	1713.3	1700.3	1695.1	1697.6
55°	1450.3	1460.7	1460.7	1460.7	1445.2	1445.2	1445.2
57.5°	1202.9	1205.6	1200.4	1202.9	1200.4	1184.7	1182.2
60°	976.5	976.5	973.8	976.5	968.7	960.8	960.8
62.5°	762.8	768.1	778.5	768.1	762.8	768.1	760.3
65°	570.3	580.7	578.0	583.3	580.7	580.7	575.4
67.5°	429.7	432.3	434.8	437.5	437.5	437.5	437.5
70°	315.1	323.0	320.3	320.3	320.3	320.3	335.9
72.5°	211.0	221.3	218.7	223.9	223.9	229.1	223.9
75°	143.2	153.6	148.4	156.3	153.6	148.4	161.4
77.5°	96.4	101.6	104.1	106.7	104.1	101.6	104.1
80°	67.7	72.9	70.3	72.9	72.9	72.9	75.6
82.5°	41.7	49.5	46.9	49.5	46.9	49.5	49.5
85°	28.6	31.3	26.0	31.3	28.6	28.6	33.9
87.5°	18.3	15.7	15.7	18.3	15.7	18.3	15.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)