

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: P248717

Luminaire Tested: **LD8B100D010 ER8B100935 8LBSW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248717
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 8LBSW0WMH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
90 CRI 3500 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9195.0 lumens
Efficiency: N/A
Efficacy: 86.5 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

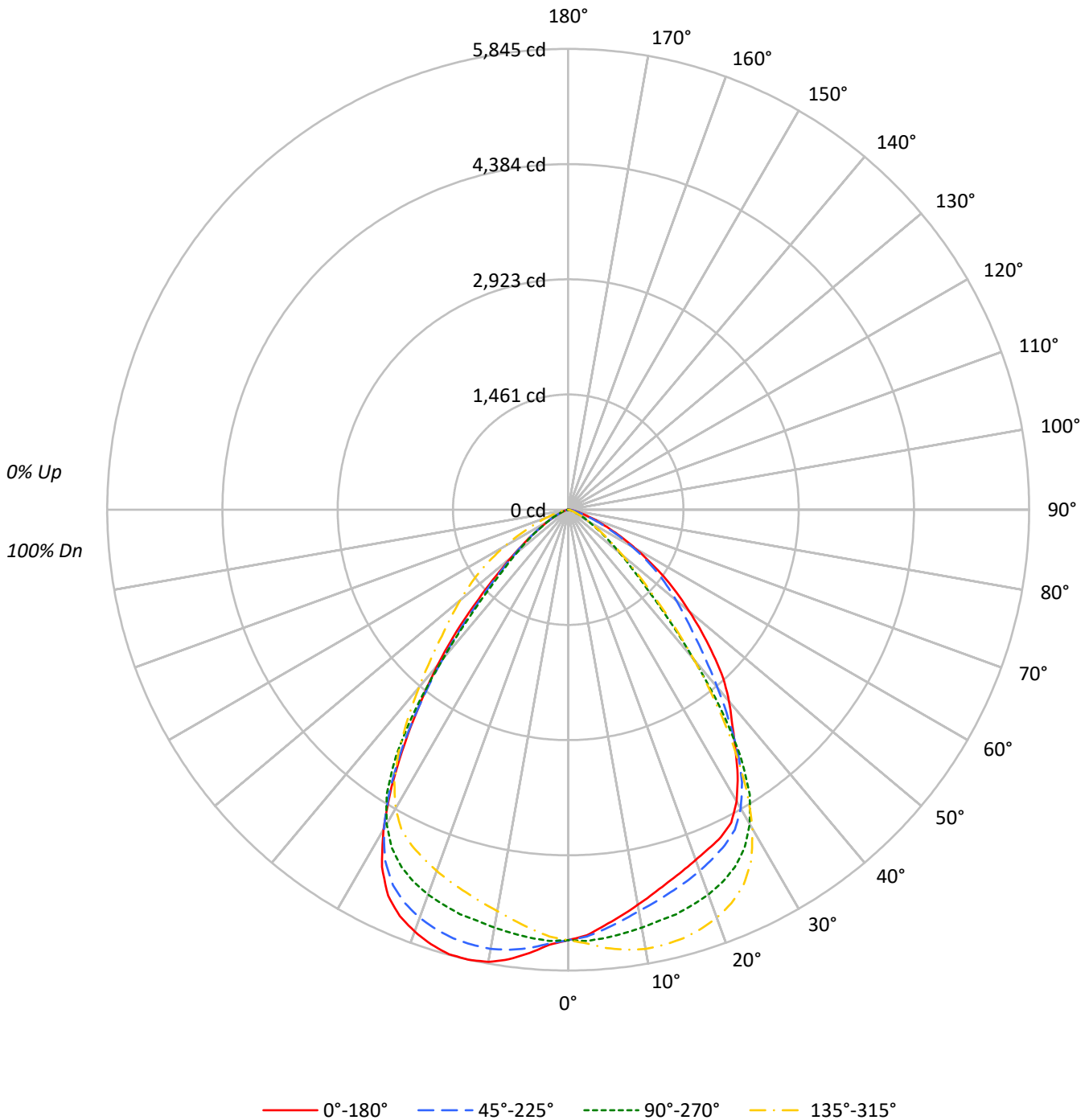
Input Watts (W): 106.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	168329	168329	168329	168329
5°	163859	168725	174748	168725
10°	159325	168502	182358	168502
15°	156141	169504	186351	169504
20°	155079	170472	186827	170472
25°	155895	170131	183825	170131
30°	152041	163901	166849	163901
35°	139069	142980	135658	142980
40°	127682	99459	103863	99459
45°	113449	60678	70206	60678
50°	96027	40532	45008	40532
55°	79529	27655	29230	27655
60°	60661	18409	18576	18409
65°	42976	11470	10500	11470
70°	30997	7682	6969	7682
75°	19682	3813	3181	3813
80°	13727	2841	2362	2841
85°	12277	0	920	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	519.6	5.7
10°-20°	1504.6	16.4
20°-30°	2278.3	24.8
30°-40°	2283.4	24.8
40°-50°	1433.8	15.6
50°-60°	764.1	8.3
60°-70°	314.2	3.4
70°-80°	83.0	0.9
80°-90°	14.0	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°	4302.4	46.8
0°-40°	6585.8	71.6
0°-60°	8783.7	95.5
0°-90°	9195.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9195.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	5459	5459	5459	5459	5459	
5°	5294	5451	5645	5451	5294	499
15°	4891	5310	5837	5310	4891	1383
25°	4582	5000	5403	5000	4582	2101
35°	3694	3798	3604	3798	3694	2314
45°	2602	1391	1610	1391	2602	2001
55°	1479	514	544	514	1479	1319
65°	589	157	144	157	589	611
75°	165	32	27	32	165	187
85°	35	0	3	0	35	38
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°	5458.8	5458.8	5458.8	5458.8	5458.8	5458.8	5458.8	5458.8	5458.8	5458.8	5458.8
2.5°	5402.8	5397.5	5394.8	5400.2	5402.8	5413.5	5410.8	5416.1	5416.1	5418.8	5424.1
5°	5293.6	5290.8	5293.6	5293.6	5304.2	5314.8	5312.2	5320.2	5325.5	5338.9	5344.1
7.5°	5192.3	5192.3	5189.5	5200.2	5205.6	5221.6	5218.8	5232.2	5240.2	5253.5	5272.2
10°	5088.3	5088.3	5090.9	5098.9	5101.7	5125.6	5125.6	5144.2	5154.9	5168.3	5192.3
12.5°	4987.0	4987.0	5003.0	4997.7	5008.3	5027.0	5035.0	5053.6	5069.6	5096.3	5120.3
15°	4891.0	4891.0	4896.4	4909.7	4917.7	4941.7	4955.0	4976.4	4995.0	5021.7	5056.4
17.5°	4808.4	4805.8	4808.4	4824.4	4840.4	4861.7	4872.4	4899.0	4917.7	4952.4	4984.4
20°	4725.8	4731.2	4731.2	4744.5	4755.1	4781.8	4792.4	4821.8	4843.1	4875.0	4912.4
22.5°	4653.8	4651.2	4651.2	4669.8	4677.9	4701.8	4712.4	4739.1	4763.1	4789.8	4824.4
25°	4581.9	4576.5	4587.2	4589.9	4595.1	4621.8	4629.8	4648.5	4672.5	4696.5	4731.2
27.5°	4475.2	4470.0	4472.6	4483.2	4491.2	4512.5	4517.9	4536.5	4555.2	4576.5	4605.9
30°	4270.0	4264.7	4262.1	4280.7	4288.7	4304.6	4312.6	4344.7	4349.9	4374.0	4395.2
32.5°	3998.1	3995.5	4000.8	4016.7	4024.7	4046.1	4056.8	4075.4	4088.7	4102.1	4123.4
35°	3694.3	3688.9	3694.3	3710.3	3710.3	3729.0	3737.0	3744.9	3742.2	3744.9	3739.6
37.5°	3411.8	3409.0	3411.8	3419.7	3411.8	3419.7	3411.8	3395.8	3366.5	3334.4	3302.4
40°	3171.9	3174.5	3158.6	3169.2	3139.8	3134.6	3105.3	3065.2	3006.6	2942.7	2852.0
42.5°	2916.0	2908.0	2897.4	2902.6	2878.7	2859.9	2812.0	2761.4	2686.7	2580.2	2470.8
45°	2601.5	2598.8	2593.5	2590.8	2574.8	2556.2	2516.1	2457.5	2374.9	2265.6	2135.0
47.5°	2294.9	2286.9	2286.9	2289.6	2270.9	2268.3	2236.2	2185.7	2113.7	2007.1	1871.1
50°	2001.7	1999.0	2004.4	2015.1	2001.7	1996.4	1975.1	1940.5	1876.5	1785.9	1657.8
52.5°	1737.8	1735.2	1740.6	1753.8	1748.5	1753.8	1732.6	1705.9	1663.2	1575.2	1463.3
55°	1479.3	1479.3	1479.3	1495.3	1495.3	1495.3	1484.6	1468.7	1428.7	1364.7	1260.8
57.5°	1210.1	1212.7	1228.8	1231.4	1228.8	1234.1	1231.4	1215.4	1188.8	1143.5	1063.5
60°	983.6	983.6	991.6	999.6	996.8	999.6	999.6	991.6	964.9	927.6	863.6
62.5°	778.3	786.3	780.9	786.3	796.9	786.3	780.9	775.7	757.0	733.0	679.7
65°	589.0	594.4	594.4	597.0	591.7	594.4	583.8	575.8	565.1	538.5	503.8
67.5°	447.8	447.8	447.8	447.8	445.1	442.5	439.8	431.8	413.2	402.5	365.1
70°	343.8	327.8	327.8	327.8	327.8	330.6	322.6	311.9	306.5	287.9	261.2
72.5°	229.2	234.6	229.2	229.2	223.9	226.6	215.9	210.5	205.3	194.6	178.6
75°	165.2	151.9	157.2	160.0	151.9	157.2	146.6	135.9	135.9	127.9	119.9
77.5°	106.6	104.0	106.6	109.3	106.6	104.0	98.6	93.3	93.3	90.6	82.6
80°	77.3	74.6	74.6	74.6	72.0	74.6	69.3	69.3	64.0	61.3	56.0
82.5°	50.7	50.7	47.9	50.7	47.9	50.7	42.7	42.7	42.7	39.9	34.7
85°	34.7	29.3	29.3	32.0	26.7	32.0	29.3	26.7	24.0	24.0	21.3
87.5°	16.0	18.7	16.0	18.7	16.0	16.0	18.7	16.0	16.0	10.6	10.6
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°	5458.8	5458.8	5458.8	5458.8	5458.8	5458.8	5458.8	5458.8	5458.8	5458.8	5458.8
2.5°	5432.1	5434.8	5434.8	5445.5	5450.8	5453.4	5453.4	5474.8	5466.8	5472.2	5477.4
5°	5354.9	5370.8	5376.2	5376.2	5405.5	5416.1	5426.7	5450.8	5453.4	5469.4	5488.1
7.5°	5280.2	5298.8	5309.6	5333.5	5352.1	5370.8	5402.8	5418.8	5434.8	5456.1	5480.1
10°	5208.2	5229.6	5250.9	5269.5	5298.8	5322.8	5344.1	5381.4	5400.2	5429.5	5461.4
12.5°	5139.0	5168.3	5186.9	5218.8	5250.9	5272.2	5304.2	5338.9	5368.2	5397.5	5434.8
15°	5077.6	5112.3	5133.6	5168.3	5202.9	5232.2	5266.9	5309.6	5330.9	5365.5	5400.2
17.5°	5010.9	5048.4	5075.0	5106.9	5149.6	5181.5	5210.9	5253.5	5280.2	5317.5	5357.5
20°	4941.7	4979.0	5010.9	5043.0	5085.7	5117.6	5152.2	5194.9	5224.2	5261.5	5293.6
22.5°	4859.1	4893.8	4928.3	4965.6	5008.3	5035.0	5075.0	5112.3	5144.2	5178.9	5210.9
25°	4752.5	4795.1	4821.8	4856.4	4891.0	4920.3	4963.0	5000.3	5027.0	5059.0	5088.3
27.5°	4627.2	4659.2	4680.5	4709.8	4744.5	4771.1	4803.0	4840.4	4867.1	4896.4	4917.7
30°	4413.9	4443.3	4461.9	4483.2	4517.9	4541.9	4568.6	4603.1	4621.8	4643.2	4661.8
32.5°	4134.0	4158.0	4168.7	4184.7	4208.7	4232.7	4254.0	4283.3	4291.3	4304.6	4304.6
35°	3729.0	3734.2	3731.6	3737.0	3747.6	3760.9	3779.5	3798.2	3808.8	3808.8	3800.9
37.5°	3254.5	3222.5	3187.9	3161.2	3153.2	3147.8	3158.6	3166.5	3177.2	3182.5	3169.2
40°	2761.4	2689.5	2612.1	2542.8	2494.8	2473.5	2465.5	2470.8	2470.8	2489.5	2489.5
42.5°	2337.6	2225.6	2111.1	2007.1	1937.7	1884.5	1860.5	1860.5	1863.1	1876.5	1884.5
45°	1985.8	1844.5	1711.2	1596.6	1500.6	1431.3	1399.4	1391.4	1388.7	1394.0	1412.6
47.5°	1716.5	1570.0	1431.3	1290.1	1188.8	1119.5	1090.2	1079.4	1068.8	1079.4	1082.2
50°	1506.0	1354.1	1207.5	1066.2	959.5	898.2	860.9	844.9	842.3	842.3	847.6
52.5°	1314.0	1172.8	1026.2	882.3	770.3	711.7	677.0	669.0	658.4	669.0	669.0
55°	1132.8	991.6	847.6	711.7	618.3	557.1	525.1	514.4	509.1	517.1	517.1
57.5°	935.6	815.6	682.4	559.7	466.5	423.8	399.8	386.5	383.8	389.1	383.8
60°	767.6	666.4	551.7	439.8	367.9	322.6	303.9	298.5	293.1	298.5	298.5
62.5°	607.7	522.4	429.1	343.8	282.5	250.6	229.2	229.2	226.6	226.6	229.2
65°	450.5	383.8	317.2	245.2	197.3	173.2	157.2	157.2	154.6	157.2	154.6
67.5°	327.8	282.5	229.2	178.6	141.3	127.9	117.3	109.3	114.6	109.3	106.6
70°	239.9	202.5	165.2	135.9	109.3	96.0	88.0	85.2	80.0	80.0	80.0
72.5°	160.0	135.9	111.9	88.0	72.0	58.6	56.0	50.7	45.3	47.9	53.3
75°	106.6	90.6	80.0	64.0	47.9	47.9	32.0	32.0	26.7	32.0	24.0
77.5°	74.6	61.3	47.9	39.9	32.0	29.3	21.3	21.3	18.7	18.7	18.7
80°	53.3	45.3	34.7	29.3	21.3	21.3	18.7	16.0	13.3	13.3	16.0
82.5°	32.0	24.0	24.0	21.3	13.3	10.6	8.0	10.6	5.4	5.4	5.4
85°	18.7	16.0	13.3	8.0	5.4	5.4	2.6	0.0	2.6	2.6	0.0
87.5°	10.6	5.4	5.4	2.6	0.0	2.6	2.6	0.0	0.0	0.0	5.4
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	5458.8	5458.8	5458.8	5458.8	5458.8	5458.8	5458.8	5458.8	5458.8	5458.8	5458.8
2.5°	5490.8	5488.1	5493.4	5493.4	5509.5	5506.7	5514.7	5514.7	5509.5	5512.1	5522.7
5°	5509.5	5517.5	5533.4	5546.8	5570.7	5581.4	5594.7	5608.1	5610.7	5618.7	5626.7
7.5°	5509.5	5536.1	5554.8	5578.7	5610.7	5629.4	5658.7	5682.7	5693.3	5706.6	5722.6
10°	5498.7	5525.4	5560.0	5586.7	5626.7	5656.0	5685.3	5722.6	5738.7	5759.9	5781.3
12.5°	5477.4	5506.7	5544.0	5578.7	5624.0	5650.7	5688.0	5722.6	5746.7	5776.0	5800.0
15°	5445.5	5480.1	5514.7	5549.4	5597.3	5629.4	5664.0	5704.0	5728.0	5759.9	5781.3
17.5°	5394.8	5432.1	5464.2	5496.1	5541.4	5578.7	5610.7	5648.0	5672.1	5698.7	5728.0
20°	5333.5	5368.2	5402.8	5429.5	5474.8	5506.7	5541.4	5576.1	5594.7	5600.1	5645.4
22.5°	5256.3	5280.2	5306.8	5349.5	5376.2	5405.5	5437.5	5469.4	5488.1	5517.5	5533.4
25°	5128.2	5152.2	5181.5	5200.2	5232.2	5256.3	5288.2	5322.8	5333.5	5354.9	5370.8
27.5°	4949.7	4963.0	4976.4	4992.3	5010.9	5024.3	5043.0	5059.0	5069.6	5080.3	5090.9
30°	4667.1	4667.1	4667.1	4656.5	4664.5	4672.5	4675.1	4672.5	4672.5	4669.8	4669.8
32.5°	4294.0	4272.7	4248.7	4227.4	4219.4	4208.7	4203.4	4195.3	4182.1	4174.1	4176.7
35°	3790.2	3742.2	3712.9	3686.3	3665.0	3649.0	3641.0	3633.0	3630.3	3619.7	3608.9
37.5°	3161.2	3126.5	3105.3	3089.2	3070.6	3054.6	3057.2	3059.9	3067.8	3062.6	3065.2
40°	2494.8	2486.8	2494.8	2476.2	2470.8	2476.2	2489.5	2508.2	2518.9	2529.5	2548.1
42.5°	1897.8	1911.1	1929.8	1929.8	1937.7	1948.5	1964.4	1993.8	2009.7	2028.3	2049.7
45°	1428.7	1444.7	1468.7	1476.6	1482.0	1495.3	1514.0	1537.9	1548.6	1564.6	1583.2
47.5°	1100.8	1111.5	1124.8	1138.1	1151.4	1156.8	1175.4	1175.4	1188.8	1199.5	1204.7
50°	858.3	868.9	879.6	887.6	892.9	900.9	906.2	914.2	916.9	922.2	924.9
52.5°	671.7	685.0	685.0	690.3	698.3	706.3	703.7	706.3	709.0	709.0	717.0
55°	525.1	525.1	533.1	533.1	538.5	535.7	538.5	538.5	538.5	538.5	541.1
57.5°	391.8	394.5	402.5	397.2	394.5	399.8	394.5	399.8	397.2	402.5	394.5
60°	301.2	301.2	303.9	303.9	306.5	306.5	306.5	303.9	303.9	301.2	301.2
62.5°	226.6	229.2	231.9	229.2	229.2	229.2	226.6	226.6	223.9	221.2	221.2
65°	151.9	149.3	154.6	149.3	151.9	151.9	149.3	151.9	143.9	146.6	143.9
67.5°	109.3	106.6	104.0	106.6	104.0	101.3	101.3	104.0	106.6	98.6	98.6
70°	72.0	74.6	72.0	74.6	77.3	77.3	74.6	72.0	74.6	69.3	72.0
72.5°	45.3	45.3	45.3	45.3	45.3	47.9	47.9	47.9	42.7	42.7	39.9
75°	21.3	29.3	24.0	21.3	29.3	29.3	26.7	26.7	24.0	24.0	24.0
77.5°	21.3	16.0	16.0	16.0	16.0	16.0	16.0	16.0	13.3	16.0	13.3
80°	10.6	10.6	10.6	8.0	10.6	10.6	13.3	10.6	10.6	8.0	13.3
82.5°	5.4	5.4	5.4	0.0	2.6	5.4	5.4	2.6	5.4	5.4	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: P248717

CATALOG NUMBER: LD8B100D010 ER8B100935 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	5458.8	5458.8	5458.8	5458.8	5458.8	5458.8	5458.8	5458.8	5458.8	5458.8	5458.8
2.5°	5520.1	5517.5	5520.1	5522.7	5520.1	5517.5	5520.1	5522.7	5512.1	5509.5	5514.7
5°	5637.4	5637.4	5642.7	5645.4	5642.7	5637.4	5637.4	5626.7	5618.7	5610.7	5608.1
7.5°	5738.7	5744.0	5749.3	5751.9	5749.3	5744.0	5738.7	5722.6	5706.6	5693.3	5682.7
10°	5800.0	5808.0	5818.6	5823.9	5818.6	5808.0	5800.0	5781.3	5759.9	5738.7	5722.6
12.5°	5826.6	5834.7	5847.9	5845.3	5847.9	5834.7	5826.6	5800.0	5776.0	5746.7	5722.6
15°	5808.0	5818.6	5831.9	5837.3	5831.9	5818.6	5808.0	5781.3	5759.9	5728.0	5704.0
17.5°	5749.3	5765.3	5773.3	5781.3	5773.3	5765.3	5749.3	5728.0	5698.7	5672.1	5648.0
20°	5669.3	5680.1	5690.7	5693.3	5690.7	5680.1	5669.3	5645.4	5600.1	5594.7	5576.1
22.5°	5554.8	5562.8	5586.7	5578.7	5586.7	5562.8	5554.8	5533.4	5517.5	5488.1	5469.4
25°	5389.4	5397.5	5400.2	5402.8	5400.2	5397.5	5389.4	5370.8	5354.9	5333.5	5322.8
27.5°	5104.3	5104.3	5109.6	5112.3	5109.6	5104.3	5104.3	5090.9	5080.3	5069.6	5059.0
30°	4672.5	4672.5	4672.5	4685.9	4672.5	4672.5	4672.5	4669.8	4669.8	4672.5	4672.5
32.5°	4174.1	4168.7	4163.4	4168.7	4163.4	4168.7	4174.1	4176.7	4174.1	4182.1	4195.3
35°	3608.9	3606.3	3614.3	3603.7	3614.3	3606.3	3608.9	3608.9	3619.7	3630.3	3633.0
37.5°	3067.8	3062.6	3073.2	3062.6	3073.2	3062.6	3067.8	3065.2	3062.6	3067.8	3059.9
40°	2553.5	2558.8	2558.8	2580.2	2558.8	2558.8	2553.5	2548.1	2529.5	2518.9	2508.2
42.5°	2060.4	2076.4	2071.0	2087.0	2071.0	2076.4	2060.4	2049.7	2028.3	2009.7	1993.8
45°	1593.9	1604.6	1604.6	1609.9	1604.6	1604.6	1593.9	1583.2	1564.6	1548.6	1537.9
47.5°	1223.4	1223.4	1223.4	1226.1	1223.4	1223.4	1223.4	1204.7	1199.5	1188.8	1175.4
50°	930.2	932.9	935.6	938.2	935.6	932.9	930.2	924.9	922.2	916.9	914.2
52.5°	714.3	717.0	711.7	717.0	711.7	717.0	714.3	717.0	709.0	709.0	706.3
55°	541.1	538.5	541.1	543.7	541.1	538.5	541.1	541.1	538.5	538.5	538.5
57.5°	397.2	391.8	391.8	391.8	391.8	391.8	397.2	394.5	402.5	397.2	399.8
60°	295.9	298.5	298.5	301.2	298.5	298.5	295.9	301.2	301.2	303.9	303.9
62.5°	218.5	226.6	221.2	226.6	221.2	226.6	218.5	221.2	221.2	223.9	226.6
65°	141.3	141.3	141.3	143.9	141.3	141.3	141.3	143.9	146.6	143.9	151.9
67.5°	96.0	98.6	104.0	101.3	104.0	98.6	96.0	98.6	98.6	106.6	104.0
70°	77.3	69.3	69.3	77.3	69.3	69.3	77.3	72.0	69.3	74.6	72.0
72.5°	45.3	39.9	45.3	45.3	45.3	39.9	45.3	39.9	42.7	42.7	47.9
75°	24.0	21.3	18.7	26.7	18.7	21.3	24.0	24.0	24.0	24.0	26.7
77.5°	16.0	13.3	18.7	18.7	18.7	13.3	16.0	13.3	16.0	13.3	16.0
80°	8.0	10.6	8.0	13.3	8.0	10.6	8.0	13.3	8.0	10.6	10.6
82.5°	2.6	5.4	5.4	5.4	5.4	5.4	2.6	2.6	5.4	5.4	2.6
85°	0.0	5.4	2.6	2.6	2.6	5.4	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: P248717

CATALOG NUMBER: LD8B100D010 ER8B100935 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	5458.8	5458.8	5458.8	5458.8	5458.8	5458.8	5458.8	5458.8	5458.8	5458.8	5458.8
2.5°	5514.7	5506.7	5509.5	5493.4	5493.4	5488.1	5490.8	5477.4	5472.2	5466.8	5474.8
5°	5594.7	5581.4	5570.7	5546.8	5533.4	5517.5	5509.5	5488.1	5469.4	5453.4	5450.8
7.5°	5658.7	5629.4	5610.7	5578.7	5554.8	5536.1	5509.5	5480.1	5456.1	5434.8	5418.8
10°	5685.3	5656.0	5626.7	5586.7	5560.0	5525.4	5498.7	5461.4	5429.5	5400.2	5381.4
12.5°	5688.0	5650.7	5624.0	5578.7	5544.0	5506.7	5477.4	5434.8	5397.5	5368.2	5338.9
15°	5664.0	5629.4	5597.3	5549.4	5514.7	5480.1	5445.5	5400.2	5365.5	5330.9	5309.6
17.5°	5610.7	5578.7	5541.4	5496.1	5464.2	5432.1	5394.8	5357.5	5317.5	5280.2	5253.5
20°	5541.4	5506.7	5474.8	5429.5	5402.8	5368.2	5333.5	5293.6	5261.5	5224.2	5194.9
22.5°	5437.5	5405.5	5376.2	5349.5	5306.8	5280.2	5256.3	5210.9	5178.9	5144.2	5112.3
25°	5288.2	5256.3	5232.2	5200.2	5181.5	5152.2	5128.2	5088.3	5059.0	5027.0	5000.3
27.5°	5043.0	5024.3	5010.9	4992.3	4976.4	4963.0	4949.7	4917.7	4896.4	4867.1	4840.4
30°	4675.1	4672.5	4664.5	4656.5	4667.1	4667.1	4667.1	4661.8	4643.2	4621.8	4603.1
32.5°	4203.4	4208.7	4219.4	4227.4	4248.7	4272.7	4294.0	4304.6	4304.6	4291.3	4283.3
35°	3641.0	3649.0	3665.0	3686.3	3712.9	3742.2	3790.2	3800.9	3808.8	3808.8	3798.2
37.5°	3057.2	3054.6	3070.6	3089.2	3105.3	3126.5	3161.2	3169.2	3182.5	3177.2	3166.5
40°	2489.5	2476.2	2470.8	2476.2	2494.8	2486.8	2494.8	2489.5	2489.5	2470.8	2470.8
42.5°	1964.4	1948.5	1937.7	1929.8	1929.8	1911.1	1897.8	1884.5	1876.5	1863.1	1860.5
45°	1514.0	1495.3	1482.0	1476.6	1468.7	1444.7	1428.7	1412.6	1394.0	1388.7	1391.4
47.5°	1175.4	1156.8	1151.4	1138.1	1124.8	1111.5	1100.8	1082.2	1079.4	1068.8	1079.4
50°	906.2	900.9	892.9	887.6	879.6	868.9	858.3	847.6	842.3	842.3	844.9
52.5°	703.7	706.3	698.3	690.3	685.0	685.0	671.7	669.0	669.0	658.4	669.0
55°	538.5	535.7	538.5	533.1	533.1	525.1	525.1	517.1	517.1	509.1	514.4
57.5°	394.5	399.8	394.5	397.2	402.5	394.5	391.8	383.8	389.1	383.8	386.5
60°	306.5	306.5	306.5	303.9	303.9	301.2	301.2	298.5	298.5	293.1	298.5
62.5°	226.6	229.2	229.2	229.2	231.9	229.2	226.6	229.2	226.6	226.6	229.2
65°	149.3	151.9	151.9	149.3	154.6	149.3	151.9	154.6	157.2	154.6	157.2
67.5°	101.3	101.3	104.0	106.6	104.0	106.6	109.3	106.6	109.3	114.6	109.3
70°	74.6	77.3	77.3	74.6	72.0	74.6	72.0	80.0	80.0	80.0	85.2
72.5°	47.9	47.9	45.3	45.3	45.3	45.3	45.3	53.3	47.9	45.3	50.7
75°	26.7	29.3	29.3	21.3	24.0	29.3	21.3	24.0	32.0	26.7	32.0
77.5°	16.0	16.0	16.0	16.0	16.0	16.0	21.3	18.7	18.7	18.7	21.3
80°	13.3	10.6	10.6	8.0	10.6	10.6	10.6	16.0	13.3	13.3	16.0
82.5°	5.4	5.4	2.6	0.0	5.4	5.4	5.4	5.4	5.4	5.4	10.6
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	5.4	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: P248717

CATALOG NUMBER: LD8B100D010 ER8B100935 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	5458.8	5458.8	5458.8	5458.8	5458.8	5458.8	5458.8	5458.8	5458.8	5458.8	5458.8
2.5°	5453.4	5453.4	5450.8	5445.5	5434.8	5434.8	5432.1	5424.1	5418.8	5416.1	5416.1
5°	5426.7	5416.1	5405.5	5376.2	5376.2	5370.8	5354.9	5344.1	5338.9	5325.5	5320.2
7.5°	5402.8	5370.8	5352.1	5333.5	5309.6	5298.8	5280.2	5272.2	5253.5	5240.2	5232.2
10°	5344.1	5322.8	5298.8	5269.5	5250.9	5229.6	5208.2	5192.3	5168.3	5154.9	5144.2
12.5°	5304.2	5272.2	5250.9	5218.8	5186.9	5168.3	5139.0	5120.3	5096.3	5069.6	5053.6
15°	5266.9	5232.2	5202.9	5168.3	5133.6	5112.3	5077.6	5056.4	5021.7	4995.0	4976.4
17.5°	5210.9	5181.5	5149.6	5106.9	5075.0	5048.4	5010.9	4984.4	4952.4	4917.7	4899.0
20°	5152.2	5117.6	5085.7	5043.0	5010.9	4979.0	4941.7	4912.4	4875.0	4843.1	4821.8
22.5°	5075.0	5035.0	5008.3	4965.6	4928.3	4893.8	4859.1	4824.4	4789.8	4763.1	4739.1
25°	4963.0	4920.3	4891.0	4856.4	4821.8	4795.1	4752.5	4731.2	4696.5	4672.5	4648.5
27.5°	4803.0	4771.1	4744.5	4709.8	4680.5	4659.2	4627.2	4605.9	4576.5	4555.2	4536.5
30°	4568.6	4541.9	4517.9	4483.2	4461.9	4443.3	4413.9	4395.2	4374.0	4349.9	4344.7
32.5°	4254.0	4232.7	4208.7	4184.7	4168.7	4158.0	4134.0	4123.4	4102.1	4088.7	4075.4
35°	3779.5	3760.9	3747.6	3737.0	3731.6	3734.2	3729.0	3739.6	3744.9	3742.2	3744.9
37.5°	3158.6	3147.8	3153.2	3161.2	3187.9	3222.5	3254.5	3302.4	3334.4	3366.5	3395.8
40°	2465.5	2473.5	2494.8	2542.8	2612.1	2689.5	2761.4	2852.0	2942.7	3006.6	3065.2
42.5°	1860.5	1884.5	1937.7	2007.1	2111.1	2225.6	2337.6	2470.8	2580.2	2686.7	2761.4
45°	1399.4	1431.3	1500.6	1596.6	1711.2	1844.5	1985.8	2135.0	2265.6	2374.9	2457.5
47.5°	1090.2	1119.5	1188.8	1290.1	1431.3	1570.0	1716.5	1871.1	2007.1	2113.7	2185.7
50°	860.9	898.2	959.5	1066.2	1207.5	1354.1	1506.0	1657.8	1785.9	1876.5	1940.5
52.5°	677.0	711.7	770.3	882.3	1026.2	1172.8	1314.0	1463.3	1575.2	1663.2	1705.9
55°	525.1	557.1	618.3	711.7	847.6	991.6	1132.8	1260.8	1364.7	1428.7	1468.7
57.5°	399.8	423.8	466.5	559.7	682.4	815.6	935.6	1063.5	1143.5	1188.8	1215.4
60°	303.9	322.6	367.9	439.8	551.7	666.4	767.6	863.6	927.6	964.9	991.6
62.5°	229.2	250.6	282.5	343.8	429.1	522.4	607.7	679.7	733.0	757.0	775.7
65°	157.2	173.2	197.3	245.2	317.2	383.8	450.5	503.8	538.5	565.1	575.8
67.5°	117.3	127.9	141.3	178.6	229.2	282.5	327.8	365.1	402.5	413.2	431.8
70°	88.0	96.0	109.3	135.9	165.2	202.5	239.9	261.2	287.9	306.5	311.9
72.5°	56.0	58.6	72.0	88.0	111.9	135.9	160.0	178.6	194.6	205.3	210.5
75°	32.0	47.9	47.9	64.0	80.0	90.6	106.6	119.9	127.9	135.9	135.9
77.5°	21.3	29.3	32.0	39.9	47.9	61.3	74.6	82.6	90.6	93.3	93.3
80°	18.7	21.3	21.3	29.3	34.7	45.3	53.3	56.0	61.3	64.0	69.3
82.5°	8.0	10.6	13.3	21.3	24.0	24.0	32.0	34.7	39.9	42.7	42.7
85°	2.6	5.4	5.4	8.0	13.3	16.0	18.7	21.3	24.0	24.0	26.7
87.5°	2.6	2.6	0.0	2.6	5.4	5.4	10.6	10.6	10.6	16.0	16.0
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: P248717

CATALOG NUMBER: LD8B100D010 ER8B100935 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	5458.8	5458.8	5458.8	5458.8	5458.8	5458.8	5458.8
2.5°	5410.8	5413.5	5402.8	5400.2	5394.8	5397.5	5402.8
5°	5312.2	5314.8	5304.2	5293.6	5293.6	5290.8	5293.6
7.5°	5218.8	5221.6	5205.6	5200.2	5189.5	5192.3	5192.3
10°	5125.6	5125.6	5101.7	5098.9	5090.9	5088.3	5088.3
12.5°	5035.0	5027.0	5008.3	4997.7	5003.0	4987.0	4987.0
15°	4955.0	4941.7	4917.7	4909.7	4896.4	4891.0	4891.0
17.5°	4872.4	4861.7	4840.4	4824.4	4808.4	4805.8	4808.4
20°	4792.4	4781.8	4755.1	4744.5	4731.2	4731.2	4725.8
22.5°	4712.4	4701.8	4677.9	4669.8	4651.2	4651.2	4653.8
25°	4629.8	4621.8	4595.1	4589.9	4587.2	4576.5	4581.9
27.5°	4517.9	4512.5	4491.2	4483.2	4472.6	4470.0	4475.2
30°	4312.6	4304.6	4288.7	4280.7	4262.1	4264.7	4270.0
32.5°	4056.8	4046.1	4024.7	4016.7	4000.8	3995.5	3998.1
35°	3737.0	3729.0	3710.3	3710.3	3694.3	3688.9	3694.3
37.5°	3411.8	3419.7	3411.8	3419.7	3411.8	3409.0	3411.8
40°	3105.3	3134.6	3139.8	3169.2	3158.6	3174.5	3171.9
42.5°	2812.0	2859.9	2878.7	2902.6	2897.4	2908.0	2916.0
45°	2516.1	2556.2	2574.8	2590.8	2593.5	2598.8	2601.5
47.5°	2236.2	2268.3	2270.9	2289.6	2286.9	2286.9	2294.9
50°	1975.1	1996.4	2001.7	2015.1	2004.4	1999.0	2001.7
52.5°	1732.6	1753.8	1748.5	1753.8	1740.6	1735.2	1737.8
55°	1484.6	1495.3	1495.3	1495.3	1479.3	1479.3	1479.3
57.5°	1231.4	1234.1	1228.8	1231.4	1228.8	1212.7	1210.1
60°	999.6	999.6	996.8	999.6	991.6	983.6	983.6
62.5°	780.9	786.3	796.9	786.3	780.9	786.3	778.3
65°	583.8	594.4	591.7	597.0	594.4	594.4	589.0
67.5°	439.8	442.5	445.1	447.8	447.8	447.8	447.8
70°	322.6	330.6	327.8	327.8	327.8	327.8	343.8
72.5°	215.9	226.6	223.9	229.2	229.2	234.6	229.2
75°	146.6	157.2	151.9	160.0	157.2	151.9	165.2
77.5°	98.6	104.0	106.6	109.3	106.6	104.0	106.6
80°	69.3	74.6	72.0	74.6	74.6	74.6	77.3
82.5°	42.7	50.7	47.9	50.7	47.9	50.7	50.7
85°	29.3	32.0	26.7	32.0	29.3	29.3	34.7
87.5°	18.7	16.0	16.0	18.7	16.0	18.7	16.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)