

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: P248996

Luminaire Tested: **LD8B100D010 ER8B100835 8LBSW0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248996
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 ER8B100835 8LBSW0MW
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 3500 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10763.0 lumens
Efficiency: N/A
Efficacy: 101.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.23 / 1.15
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

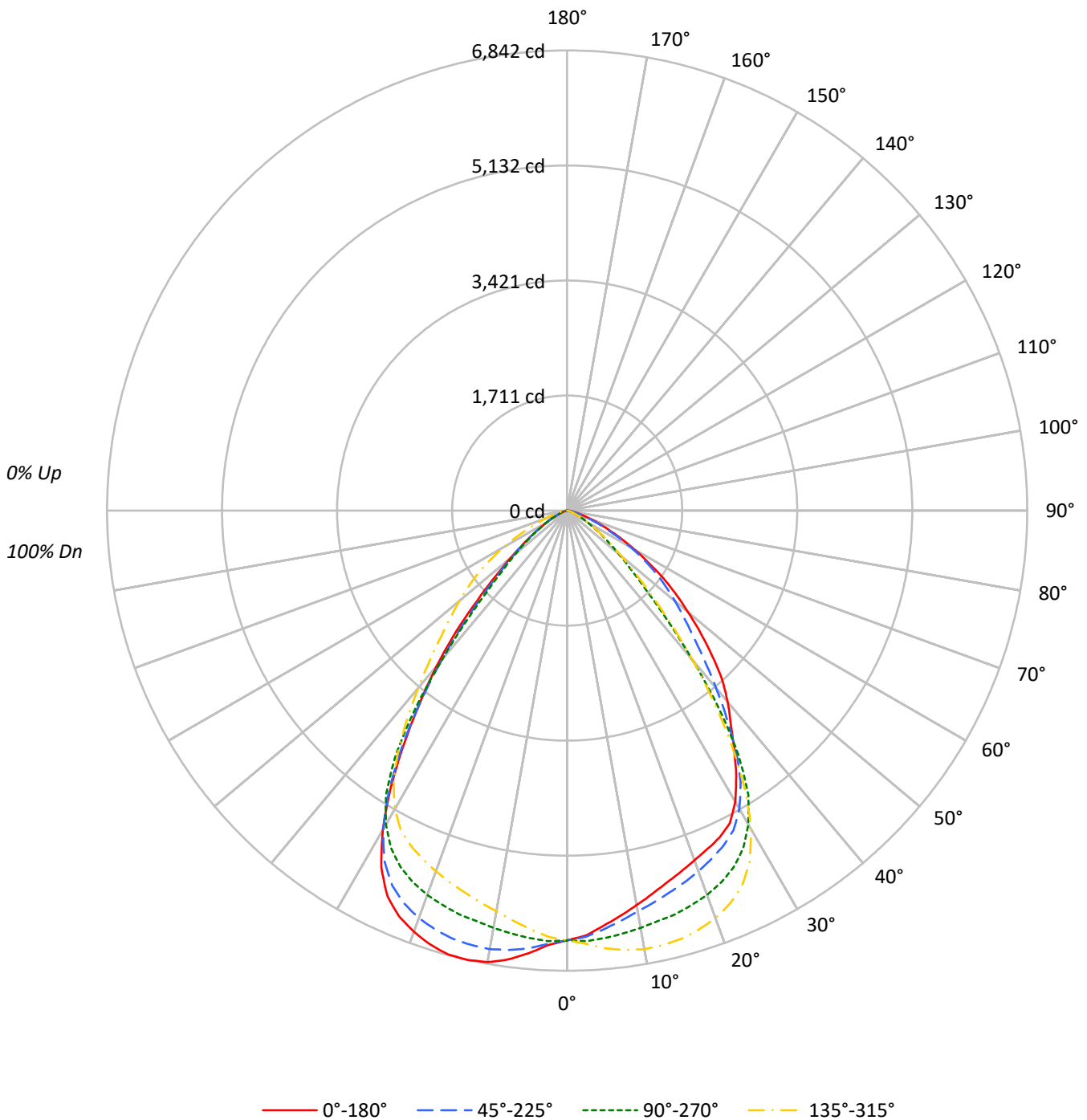
Input Watts (W): 106.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P248996

CATALOG NUMBER: LD8B100D010 ER8B100835 8LBSW0MW

Luminous Intensity Polar Plot





TEST NUMBER: P248996

CATALOG NUMBER: LD8B100D010 ER8B100835 8LBSW0MW

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°	197035	197035	197035	197035
5°	191801	197496	204548	197496
10°	186494	197238	213454	197238
15°	182769	198408	218128	198408
20°	181525	199543	218688	199543
25°	182478	199143	215175	199143
30°	177966	191853	195299	191853
35°	162785	167362	158791	167362
40°	149451	116418	121575	116418
45°	132794	71022	82177	71022
50°	112400	47445	52684	47445
55°	93093	32375	34214	32375
60°	71004	21548	21740	21548
65°	50309	13426	12295	13426
70°	36289	8998	8159	8998
75°	23042	4468	3717	4468
80°	16071	3321	2752	3321
85°	14365	0	1097	0



TEST NUMBER: P248996

CATALOG NUMBER: LD8B100D010 ER8B100835 8LBSW0MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	608.2	5.7
10°-20°	1761.2	16.4
20°-30°	2666.8	24.8
30°-40°	2672.8	24.8
40°-50°	1678.4	15.6
50°-60°	894.4	8.3
60°-70°	367.8	3.4
70°-80°	97.2	0.9
80°-90°	16.4	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°	5036.1	46.8
0°-40°	7708.9	71.6
0°-60°	10281.6	95.5
0°-90°	10763.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10763.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	6390	6390	6390	6390	6390	
5°	6196	6380	6608	6380	6196	584
15°	5725	6215	6833	6215	5725	1619
25°	5363	5853	6324	5853	5363	2460
35°	4324	4446	4218	4446	4324	2709
45°	3045	1629	1884	1629	3045	2342
55°	1732	602	636	602	1732	1544
65°	690	184	168	184	690	715
75°	193	38	31	38	193	219
85°	41	0	3	0	41	45
90°	0	0	0	0	0	



TEST NUMBER: P248996

CATALOG NUMBER: LD8B100D010 ER8B100835 8LBSW0MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	6389.7	6389.7	6389.7	6389.7	6389.7	6389.7	6389.7	6389.7	6389.7	6389.7	6389.7
2.5°	6324.2	6317.9	6314.8	6321.1	6324.2	6336.6	6333.5	6339.7	6339.7	6342.9	6349.1
5°	6196.3	6193.0	6196.3	6196.3	6208.7	6221.2	6218.1	6227.5	6233.6	6249.3	6255.5
7.5°	6077.7	6077.7	6074.5	6087.0	6093.3	6112.0	6108.8	6124.5	6133.8	6149.4	6171.2
10°	5956.0	5956.0	5959.1	5968.4	5971.6	5999.6	5999.6	6021.5	6033.9	6049.6	6077.7
12.5°	5837.4	5837.4	5856.2	5849.9	5862.4	5884.2	5893.6	5915.4	5934.1	5965.4	5993.5
15°	5725.1	5725.1	5731.4	5746.9	5756.3	5784.4	5799.9	5825.0	5846.8	5878.0	5918.6
17.5°	5628.4	5625.3	5628.4	5647.1	5665.9	5690.8	5703.2	5734.5	5756.3	5796.9	5834.4
20°	5531.7	5538.0	5538.0	5553.5	5566.0	5597.2	5609.6	5644.0	5669.0	5706.3	5750.1
22.5°	5447.4	5444.4	5444.4	5466.2	5475.6	5503.6	5516.0	5547.2	5575.3	5606.5	5647.1
25°	5363.2	5356.9	5369.5	5372.6	5378.7	5409.9	5419.3	5441.1	5469.3	5497.4	5538.0
27.5°	5238.4	5232.2	5235.3	5247.7	5257.1	5282.0	5288.3	5310.2	5332.0	5356.9	5391.3
30°	4998.1	4991.9	4988.8	5010.7	5020.1	5038.7	5048.1	5085.5	5091.7	5119.8	5144.8
32.5°	4679.9	4676.8	4683.1	4701.7	4711.1	4736.1	4748.6	4770.4	4785.9	4801.6	4826.5
35°	4324.3	4318.0	4324.3	4343.0	4343.0	4364.9	4374.2	4383.5	4380.4	4383.5	4377.3
37.5°	3993.6	3990.4	3993.6	4002.8	3993.6	4002.8	3993.6	3974.8	3940.6	3903.1	3865.6
40°	3712.7	3715.8	3697.2	3709.7	3675.2	3669.1	3634.8	3587.9	3519.3	3444.5	3338.4
42.5°	3413.3	3403.9	3391.4	3397.6	3369.6	3347.6	3291.5	3232.3	3144.9	3020.2	2892.1
45°	3045.1	3042.0	3035.7	3032.6	3013.9	2992.1	2945.2	2876.6	2779.9	2652.0	2499.0
47.5°	2686.3	2676.9	2676.9	2680.0	2658.2	2655.1	2617.6	2558.4	2474.1	2349.3	2190.2
50°	2343.0	2339.9	2346.2	2358.7	2343.0	2336.9	2311.9	2271.4	2196.5	2090.4	1940.6
52.5°	2034.2	2031.1	2037.4	2052.9	2046.6	2052.9	2028.0	1996.8	1946.8	1843.9	1712.9
55°	1731.6	1731.6	1731.6	1750.2	1750.2	1750.2	1737.8	1719.2	1672.3	1597.4	1475.8
57.5°	1416.5	1419.6	1438.3	1441.4	1438.3	1444.6	1441.4	1422.6	1391.6	1338.5	1244.9
60°	1151.3	1151.3	1160.7	1170.0	1166.8	1170.0	1170.0	1160.7	1129.5	1085.8	1010.9
62.5°	911.0	920.4	914.1	920.4	932.8	920.4	914.1	907.9	886.1	858.0	795.6
65°	689.5	695.8	695.8	698.9	692.6	695.8	683.3	673.9	661.5	630.3	589.7
67.5°	524.2	524.2	524.2	524.2	521.0	517.9	514.8	505.5	483.6	471.2	427.4
70°	402.5	383.7	383.7	383.7	383.7	386.9	377.6	365.1	358.8	337.0	305.8
72.5°	268.3	274.6	268.3	268.3	262.1	265.2	252.7	246.4	240.3	227.8	209.1
75°	193.4	177.9	184.0	187.2	177.9	184.0	171.6	159.1	159.1	149.7	140.4
77.5°	124.8	121.7	124.8	127.9	124.8	121.7	115.4	109.2	109.2	106.1	96.7
80°	90.5	87.3	87.3	87.3	84.2	87.3	81.2	81.2	74.9	71.8	65.5
82.5°	59.3	59.3	56.1	59.3	56.1	59.3	50.0	50.0	50.0	46.7	40.6
85°	40.6	34.3	34.3	37.5	31.2	37.5	34.3	31.2	28.1	28.1	24.9
87.5°	18.7	21.8	18.7	21.8	18.7	18.7	21.8	18.7	18.7	12.5	12.5
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: P248996

CATALOG NUMBER: LD8B100D010 ER8B100835 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	6389.7	6389.7	6389.7	6389.7	6389.7	6389.7	6389.7	6389.7	6389.7	6389.7	6389.7
2.5°	6358.4	6361.5	6361.5	6374.1	6380.3	6383.4	6383.4	6408.4	6399.0	6405.3	6411.5
5°	6268.0	6286.7	6293.0	6293.0	6327.2	6339.7	6352.2	6380.3	6383.4	6402.1	6423.9
7.5°	6180.6	6202.4	6215.0	6243.0	6264.8	6286.7	6324.2	6342.9	6361.5	6386.6	6414.6
10°	6096.3	6121.4	6146.3	6168.1	6202.4	6230.5	6255.5	6299.1	6321.1	6355.4	6392.7
12.5°	6015.3	6049.6	6071.4	6108.8	6146.3	6171.2	6208.7	6249.3	6283.6	6317.9	6361.5
15°	5943.5	5984.1	6009.0	6049.6	6090.2	6124.5	6165.0	6215.0	6239.9	6280.5	6321.1
17.5°	5865.4	5909.2	5940.4	5977.8	6027.8	6065.1	6099.6	6149.4	6180.6	6224.2	6271.1
20°	5784.4	5828.1	5865.4	5902.9	5952.9	5990.3	6030.8	6080.8	6115.1	6158.8	6196.3
22.5°	5687.7	5728.3	5768.7	5812.4	5862.4	5893.6	5940.4	5984.1	6021.5	6062.1	6099.6
25°	5562.9	5612.8	5644.0	5684.5	5725.1	5759.4	5809.3	5853.0	5884.2	5921.7	5956.0
27.5°	5416.2	5453.7	5478.6	5512.9	5553.5	5584.7	5622.1	5665.9	5697.1	5731.4	5756.3
30°	5166.6	5201.0	5222.8	5247.7	5288.3	5316.4	5347.7	5388.1	5409.9	5435.0	5456.8
32.5°	4839.0	4867.1	4879.6	4898.3	4926.4	4954.4	4979.5	5013.8	5023.1	5038.7	5038.7
35°	4364.9	4371.0	4367.9	4374.2	4386.7	4402.2	4424.1	4445.9	4458.3	4458.3	4449.1
37.5°	3809.4	3772.1	3731.5	3700.3	3690.9	3684.6	3697.2	3706.5	3719.0	3725.2	3709.7
40°	3232.3	3148.1	3057.5	2976.4	2920.3	2895.4	2886.0	2892.1	2892.1	2914.0	2914.0
42.5°	2736.2	2605.1	2471.1	2349.3	2268.1	2205.9	2177.7	2177.7	2180.8	2196.5	2205.9
45°	2324.4	2159.0	2003.0	1868.9	1756.5	1675.4	1638.0	1628.6	1625.5	1631.7	1653.5
47.5°	2009.3	1837.7	1675.4	1510.1	1391.6	1310.4	1276.1	1263.5	1251.1	1263.5	1266.7
50°	1762.8	1585.0	1413.4	1248.0	1123.2	1051.4	1007.7	989.0	985.9	985.9	992.2
52.5°	1538.1	1372.8	1201.2	1032.8	901.6	833.1	792.5	783.1	770.6	783.1	783.1
55°	1325.9	1160.7	992.2	833.1	723.8	652.1	614.6	602.2	595.9	605.2	605.2
57.5°	1095.2	954.7	798.8	655.2	546.0	496.1	468.0	452.4	449.2	455.5	449.2
60°	898.6	780.0	645.8	514.8	430.6	377.6	355.7	349.4	343.1	349.4	349.4
62.5°	711.3	611.5	502.2	402.5	330.7	293.3	268.3	268.3	265.2	265.2	268.3
65°	527.3	449.2	371.3	287.0	230.9	202.8	184.0	184.0	180.9	184.0	180.9
67.5°	383.7	330.7	268.3	209.1	165.4	149.7	137.3	127.9	134.2	127.9	124.8
70°	280.9	237.1	193.4	159.1	127.9	112.4	103.0	99.8	93.6	93.6	93.6
72.5°	187.2	159.1	131.0	103.0	84.2	68.6	65.5	59.3	53.0	56.1	62.4
75°	124.8	106.1	93.6	74.9	56.1	56.1	37.5	37.5	31.2	37.5	28.1
77.5°	87.3	71.8	56.1	46.7	37.5	34.3	24.9	24.9	21.8	21.8	21.8
80°	62.4	53.0	40.6	34.3	24.9	24.9	21.8	18.7	15.5	15.5	18.7
82.5°	37.5	28.1	28.1	24.9	15.5	12.5	9.4	12.5	6.3	6.3	6.3
85°	21.8	18.7	15.5	9.4	6.3	6.3	3.1	0.0	3.1	3.1	0.0
87.5°	12.5	6.3	6.3	3.1	0.0	3.1	3.1	0.0	0.0	0.0	6.3
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: P248996

CATALOG NUMBER: LD8B100D010 ER8B100835 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	6389.7	6389.7	6389.7	6389.7	6389.7	6389.7	6389.7	6389.7	6389.7	6389.7	6389.7
2.5°	6427.2	6423.9	6430.2	6430.2	6449.0	6445.8	6455.1	6455.1	6449.0	6452.1	6464.5
5°	6449.0	6458.4	6477.0	6492.6	6520.6	6533.2	6548.8	6564.4	6567.5	6576.9	6586.3
7.5°	6449.0	6480.2	6502.0	6530.0	6567.5	6589.3	6623.6	6651.8	6664.2	6679.8	6698.5
10°	6436.4	6467.6	6508.2	6539.4	6586.3	6620.6	6654.8	6698.5	6717.3	6742.2	6767.2
12.5°	6411.5	6445.8	6489.4	6530.0	6583.1	6614.3	6657.9	6698.5	6726.6	6760.9	6789.0
15°	6374.1	6414.6	6455.1	6495.7	6551.8	6589.3	6629.9	6676.7	6704.8	6742.2	6767.2
17.5°	6314.8	6358.4	6395.9	6433.3	6486.4	6530.0	6567.5	6611.2	6639.3	6670.5	6704.8
20°	6243.0	6283.6	6324.2	6355.4	6408.4	6445.8	6486.4	6526.9	6548.8	6555.1	6608.1
22.5°	6152.6	6180.6	6211.8	6261.7	6293.0	6327.2	6364.7	6402.1	6423.9	6458.4	6477.0
25°	6002.7	6030.8	6065.1	6087.0	6124.5	6152.6	6190.0	6230.5	6243.0	6268.0	6286.7
27.5°	5793.8	5809.3	5825.0	5843.6	5865.4	5881.1	5902.9	5921.7	5934.1	5946.6	5959.1
30°	5463.0	5463.0	5463.0	5450.5	5459.9	5469.3	5472.4	5469.3	5469.3	5466.2	5466.2
32.5°	5026.2	5001.3	4973.2	4948.3	4938.9	4926.4	4920.1	4910.8	4895.2	4885.9	4888.9
35°	4436.5	4380.4	4346.1	4314.9	4290.0	4271.2	4261.9	4252.5	4249.4	4237.0	4224.4
37.5°	3700.3	3659.7	3634.8	3616.0	3594.2	3575.5	3578.5	3581.8	3591.0	3584.8	3587.9
40°	2920.3	2910.9	2920.3	2898.4	2892.1	2898.4	2914.0	2935.9	2948.4	2960.8	2982.7
42.5°	2221.4	2236.9	2258.9	2258.9	2268.1	2280.7	2299.4	2333.8	2352.4	2374.2	2399.3
45°	1672.3	1691.0	1719.2	1728.4	1734.7	1750.2	1772.2	1800.2	1812.6	1831.4	1853.2
47.5°	1288.6	1301.0	1316.6	1332.2	1347.8	1354.1	1375.9	1375.9	1391.6	1404.0	1410.2
50°	1004.6	1017.1	1029.5	1038.9	1045.2	1054.6	1060.7	1070.1	1073.2	1079.5	1082.6
52.5°	786.2	801.9	801.9	808.0	817.4	826.8	823.7	826.8	829.8	829.8	839.2
55°	614.6	614.6	624.0	624.0	630.3	627.1	630.3	630.3	630.3	630.3	633.4
57.5°	458.6	461.8	471.2	464.9	461.8	468.0	461.8	468.0	464.9	471.2	461.8
60°	352.5	352.5	355.7	355.7	358.8	358.8	358.8	355.7	355.7	352.5	352.5
62.5°	265.2	268.3	271.5	268.3	268.3	268.3	265.2	265.2	262.1	258.9	258.9
65°	177.9	174.8	180.9	174.8	177.9	177.9	174.8	177.9	168.5	171.6	168.5
67.5°	127.9	124.8	121.7	124.8	121.7	118.5	118.5	121.7	124.8	115.4	115.4
70°	84.2	87.3	84.2	87.3	90.5	90.5	87.3	84.2	87.3	81.2	84.2
72.5°	53.0	53.0	53.0	53.0	53.0	56.1	56.1	56.1	50.0	50.0	46.7
75°	24.9	34.3	28.1	24.9	34.3	34.3	31.2	31.2	28.1	28.1	28.1
77.5°	24.9	18.7	18.7	18.7	18.7	18.7	18.7	18.7	15.5	18.7	15.5
80°	12.5	12.5	12.5	9.4	12.5	12.5	15.5	12.5	12.5	9.4	15.5
82.5°	6.3	6.3	6.3	0.0	3.1	6.3	6.3	3.1	6.3	6.3	3.1
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: P248996

CATALOG NUMBER: LD8B100D010 ER8B100835 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	6389.7	6389.7	6389.7	6389.7	6389.7	6389.7	6389.7	6389.7	6389.7	6389.7	6389.7
2.5°	6461.4	6458.4	6461.4	6464.5	6461.4	6458.4	6461.4	6464.5	6452.1	6449.0	6455.1
5°	6598.7	6598.7	6604.9	6608.1	6604.9	6598.7	6598.7	6586.3	6576.9	6567.5	6564.4
7.5°	6717.3	6723.5	6729.7	6732.8	6729.7	6723.5	6717.3	6698.5	6679.8	6664.2	6651.8
10°	6789.0	6798.4	6810.9	6817.0	6810.9	6798.4	6789.0	6767.2	6742.2	6717.3	6698.5
12.5°	6820.2	6829.6	6845.2	6842.1	6845.2	6829.6	6820.2	6789.0	6760.9	6726.6	6698.5
15°	6798.4	6810.9	6826.4	6832.7	6826.4	6810.9	6798.4	6767.2	6742.2	6704.8	6676.7
17.5°	6729.7	6748.5	6757.8	6767.2	6757.8	6748.5	6729.7	6704.8	6670.5	6639.3	6611.2
20°	6636.1	6648.7	6661.1	6664.2	6661.1	6648.7	6636.1	6608.1	6555.1	6548.8	6526.9
22.5°	6502.0	6511.4	6539.4	6530.0	6539.4	6511.4	6502.0	6477.0	6458.4	6423.9	6402.1
25°	6308.5	6317.9	6321.1	6324.2	6321.1	6317.9	6308.5	6286.7	6268.0	6243.0	6230.5
27.5°	5974.7	5974.7	5980.9	5984.1	5980.9	5974.7	5974.7	5959.1	5946.6	5934.1	5921.7
30°	5469.3	5469.3	5469.3	5484.9	5469.3	5469.3	5469.3	5466.2	5466.2	5469.3	5469.3
32.5°	4885.9	4879.6	4873.4	4879.6	4873.4	4879.6	4885.9	4888.9	4885.9	4895.2	4910.8
35°	4224.4	4221.3	4230.7	4218.2	4230.7	4221.3	4224.4	4224.4	4237.0	4249.4	4252.5
37.5°	3591.0	3584.8	3597.3	3584.8	3597.3	3584.8	3591.0	3587.9	3584.8	3591.0	3581.8
40°	2989.0	2995.1	2995.1	3020.2	2995.1	2995.1	2989.0	2982.7	2960.8	2948.4	2935.9
42.5°	2411.7	2430.5	2424.2	2442.9	2424.2	2430.5	2411.7	2399.3	2374.2	2352.4	2333.8
45°	1865.7	1878.3	1878.3	1884.4	1878.3	1878.3	1865.7	1853.2	1831.4	1812.6	1800.2
47.5°	1432.0	1432.0	1432.0	1435.2	1432.0	1432.0	1432.0	1410.2	1404.0	1391.6	1375.9
50°	1088.9	1092.0	1095.2	1098.2	1095.2	1092.0	1088.9	1082.6	1079.5	1073.2	1070.1
52.5°	836.1	839.2	833.1	839.2	833.1	839.2	836.1	839.2	829.8	829.8	826.8
55°	633.4	630.3	633.4	636.4	633.4	630.3	633.4	633.4	630.3	630.3	630.3
57.5°	464.9	458.6	458.6	458.6	458.6	458.6	464.9	461.8	471.2	464.9	468.0
60°	346.3	349.4	349.4	352.5	349.4	349.4	346.3	352.5	352.5	355.7	355.7
62.5°	255.8	265.2	258.9	265.2	258.9	265.2	255.8	258.9	258.9	262.1	265.2
65°	165.4	165.4	165.4	168.5	165.4	165.4	165.4	168.5	171.6	168.5	177.9
67.5°	112.4	115.4	121.7	118.5	121.7	115.4	112.4	115.4	115.4	124.8	121.7
70°	90.5	81.2	81.2	90.5	81.2	81.2	90.5	84.2	81.2	87.3	84.2
72.5°	53.0	46.7	53.0	53.0	53.0	46.7	53.0	46.7	50.0	50.0	56.1
75°	28.1	24.9	21.8	31.2	21.8	24.9	28.1	28.1	28.1	28.1	31.2
77.5°	18.7	15.5	21.8	21.8	21.8	15.5	18.7	15.5	18.7	15.5	18.7
80°	9.4	12.5	9.4	15.5	9.4	12.5	9.4	15.5	9.4	12.5	12.5
82.5°	3.1	6.3	6.3	6.3	6.3	6.3	3.1	3.1	6.3	6.3	3.1
85°	0.0	6.3	3.1	3.1	3.1	6.3	0.0	0.0	0.0	0.0	0.0
87.5°	3.1	0.0	0.0	3.1	0.0	0.0	3.1	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: P248996

CATALOG NUMBER: LD8B100D010 ER8B100835 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	6389.7	6389.7	6389.7	6389.7	6389.7	6389.7	6389.7	6389.7	6389.7	6389.7	6389.7
2.5°	6455.1	6445.8	6449.0	6430.2	6430.2	6423.9	6427.2	6411.5	6405.3	6399.0	6408.4
5°	6548.8	6533.2	6520.6	6492.6	6477.0	6458.4	6449.0	6423.9	6402.1	6383.4	6380.3
7.5°	6623.6	6589.3	6567.5	6530.0	6502.0	6480.2	6449.0	6414.6	6386.6	6361.5	6342.9
10°	6654.8	6620.6	6586.3	6539.4	6508.2	6467.6	6436.4	6392.7	6355.4	6321.1	6299.1
12.5°	6657.9	6614.3	6583.1	6530.0	6489.4	6445.8	6411.5	6361.5	6317.9	6283.6	6249.3
15°	6629.9	6589.3	6551.8	6495.7	6455.1	6414.6	6374.1	6321.1	6280.5	6239.9	6215.0
17.5°	6567.5	6530.0	6486.4	6433.3	6395.9	6358.4	6314.8	6271.1	6224.2	6180.6	6149.4
20°	6486.4	6445.8	6408.4	6355.4	6324.2	6283.6	6243.0	6196.3	6158.8	6115.1	6080.8
22.5°	6364.7	6327.2	6293.0	6261.7	6211.8	6180.6	6152.6	6099.6	6062.1	6021.5	5984.1
25°	6190.0	6152.6	6124.5	6087.0	6065.1	6030.8	6002.7	5956.0	5921.7	5884.2	5853.0
27.5°	5902.9	5881.1	5865.4	5843.6	5825.0	5809.3	5793.8	5756.3	5731.4	5697.1	5665.9
30°	5472.4	5469.3	5459.9	5450.5	5463.0	5463.0	5463.0	5456.8	5435.0	5409.9	5388.1
32.5°	4920.1	4926.4	4938.9	4948.3	4973.2	5001.3	5026.2	5038.7	5038.7	5023.1	5013.8
35°	4261.9	4271.2	4290.0	4314.9	4346.1	4380.4	4436.5	4449.1	4458.3	4458.3	4445.9
37.5°	3578.5	3575.5	3594.2	3616.0	3634.8	3659.7	3700.3	3709.7	3725.2	3719.0	3706.5
40°	2914.0	2898.4	2892.1	2898.4	2920.3	2910.9	2920.3	2914.0	2914.0	2892.1	2892.1
42.5°	2299.4	2280.7	2268.1	2258.9	2258.9	2236.9	2221.4	2205.9	2196.5	2180.8	2177.7
45°	1772.2	1750.2	1734.7	1728.4	1719.2	1691.0	1672.3	1653.5	1631.7	1625.5	1628.6
47.5°	1375.9	1354.1	1347.8	1332.2	1316.6	1301.0	1288.6	1266.7	1263.5	1251.1	1263.5
50°	1060.7	1054.6	1045.2	1038.9	1029.5	1017.1	1004.6	992.2	985.9	985.9	989.0
52.5°	823.7	826.8	817.4	808.0	801.9	801.9	786.2	783.1	783.1	770.6	783.1
55°	630.3	627.1	630.3	624.0	624.0	614.6	614.6	605.2	605.2	595.9	602.2
57.5°	461.8	468.0	461.8	464.9	471.2	461.8	458.6	449.2	455.5	449.2	452.4
60°	358.8	358.8	358.8	355.7	355.7	352.5	352.5	349.4	349.4	343.1	349.4
62.5°	265.2	268.3	268.3	268.3	271.5	268.3	265.2	268.3	265.2	265.2	268.3
65°	174.8	177.9	177.9	174.8	180.9	174.8	177.9	180.9	184.0	180.9	184.0
67.5°	118.5	118.5	121.7	124.8	121.7	124.8	127.9	124.8	127.9	134.2	127.9
70°	87.3	90.5	90.5	87.3	84.2	87.3	84.2	93.6	93.6	93.6	99.8
72.5°	56.1	56.1	53.0	53.0	53.0	53.0	53.0	62.4	56.1	53.0	59.3
75°	31.2	34.3	34.3	24.9	28.1	34.3	24.9	28.1	37.5	31.2	37.5
77.5°	18.7	18.7	18.7	18.7	18.7	18.7	24.9	21.8	21.8	21.8	24.9
80°	15.5	12.5	12.5	9.4	12.5	12.5	12.5	18.7	15.5	15.5	18.7
82.5°	6.3	6.3	3.1	0.0	6.3	6.3	6.3	6.3	6.3	6.3	12.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.3	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: P248996

CATALOG NUMBER: LD8B100D010 ER8B100835 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	6389.7	6389.7	6389.7	6389.7	6389.7	6389.7	6389.7	6389.7	6389.7	6389.7	6389.7
2.5°	6383.4	6383.4	6380.3	6374.1	6361.5	6361.5	6358.4	6349.1	6342.9	6339.7	6339.7
5°	6352.2	6339.7	6327.2	6293.0	6293.0	6286.7	6268.0	6255.5	6249.3	6233.6	6227.5
7.5°	6324.2	6286.7	6264.8	6243.0	6215.0	6202.4	6180.6	6171.2	6149.4	6133.8	6124.5
10°	6255.5	6230.5	6202.4	6168.1	6146.3	6121.4	6096.3	6077.7	6049.6	6033.9	6021.5
12.5°	6208.7	6171.2	6146.3	6108.8	6071.4	6049.6	6015.3	5993.5	5965.4	5934.1	5915.4
15°	6165.0	6124.5	6090.2	6049.6	6009.0	5984.1	5943.5	5918.6	5878.0	5846.8	5825.0
17.5°	6099.6	6065.1	6027.8	5977.8	5940.4	5909.2	5865.4	5834.4	5796.9	5756.3	5734.5
20°	6030.8	5990.3	5952.9	5902.9	5865.4	5828.1	5784.4	5750.1	5706.3	5669.0	5644.0
22.5°	5940.4	5893.6	5862.4	5812.4	5768.7	5728.3	5687.7	5647.1	5606.5	5575.3	5547.2
25°	5809.3	5759.4	5725.1	5684.5	5644.0	5612.8	5562.9	5538.0	5497.4	5469.3	5441.1
27.5°	5622.1	5584.7	5553.5	5512.9	5478.6	5453.7	5416.2	5391.3	5356.9	5332.0	5310.2
30°	5347.7	5316.4	5288.3	5247.7	5222.8	5201.0	5166.6	5144.8	5119.8	5091.7	5085.5
32.5°	4979.5	4954.4	4926.4	4898.3	4879.6	4867.1	4839.0	4826.5	4801.6	4785.9	4770.4
35°	4424.1	4402.2	4386.7	4374.2	4367.9	4371.0	4364.9	4377.3	4383.5	4380.4	4383.5
37.5°	3697.2	3684.6	3690.9	3700.3	3731.5	3772.1	3809.4	3865.6	3903.1	3940.6	3974.8
40°	2886.0	2895.4	2920.3	2976.4	3057.5	3148.1	3232.3	3338.4	3444.5	3519.3	3587.9
42.5°	2177.7	2205.9	2268.1	2349.3	2471.1	2605.1	2736.2	2892.1	3020.2	3144.9	3232.3
45°	1638.0	1675.4	1756.5	1868.9	2003.0	2159.0	2324.4	2499.0	2652.0	2779.9	2876.6
47.5°	1276.1	1310.4	1391.6	1510.1	1675.4	1837.7	2009.3	2190.2	2349.3	2474.1	2558.4
50°	1007.7	1051.4	1123.2	1248.0	1413.4	1585.0	1762.8	1940.6	2090.4	2196.5	2271.4
52.5°	792.5	833.1	901.6	1032.8	1201.2	1372.8	1538.1	1712.9	1843.9	1946.8	1996.8
55°	614.6	652.1	723.8	833.1	992.2	1160.7	1325.9	1475.8	1597.4	1672.3	1719.2
57.5°	468.0	496.1	546.0	655.2	798.8	954.7	1095.2	1244.9	1338.5	1391.6	1422.6
60°	355.7	377.6	430.6	514.8	645.8	780.0	898.6	1010.9	1085.8	1129.5	1160.7
62.5°	268.3	293.3	330.7	402.5	502.2	611.5	711.3	795.6	858.0	886.1	907.9
65°	184.0	202.8	230.9	287.0	371.3	449.2	527.3	589.7	630.3	661.5	673.9
67.5°	137.3	149.7	165.4	209.1	268.3	330.7	383.7	427.4	471.2	483.6	505.5
70°	103.0	112.4	127.9	159.1	193.4	237.1	280.9	305.8	337.0	358.8	365.1
72.5°	65.5	68.6	84.2	103.0	131.0	159.1	187.2	209.1	227.8	240.3	246.4
75°	37.5	56.1	56.1	74.9	93.6	106.1	124.8	140.4	149.7	159.1	159.1
77.5°	24.9	34.3	37.5	46.7	56.1	71.8	87.3	96.7	106.1	109.2	109.2
80°	21.8	24.9	24.9	34.3	40.6	53.0	62.4	65.5	71.8	74.9	81.2
82.5°	9.4	12.5	15.5	24.9	28.1	28.1	37.5	40.6	46.7	50.0	50.0
85°	3.1	6.3	6.3	9.4	15.5	18.7	21.8	24.9	28.1	28.1	31.2
87.5°	3.1	3.1	0.0	3.1	6.3	6.3	12.5	12.5	12.5	18.7	18.7
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: P248996

CATALOG NUMBER: LD8B100D010 ER8B100835 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	6389.7	6389.7	6389.7	6389.7	6389.7	6389.7	6389.7
2.5°	6333.5	6336.6	6324.2	6321.1	6314.8	6317.9	6324.2
5°	6218.1	6221.2	6208.7	6196.3	6196.3	6193.0	6196.3
7.5°	6108.8	6112.0	6093.3	6087.0	6074.5	6077.7	6077.7
10°	5999.6	5999.6	5971.6	5968.4	5959.1	5956.0	5956.0
12.5°	5893.6	5884.2	5862.4	5849.9	5856.2	5837.4	5837.4
15°	5799.9	5784.4	5756.3	5746.9	5731.4	5725.1	5725.1
17.5°	5703.2	5690.8	5665.9	5647.1	5628.4	5625.3	5628.4
20°	5609.6	5597.2	5566.0	5553.5	5538.0	5538.0	5531.7
22.5°	5516.0	5503.6	5475.6	5466.2	5444.4	5444.4	5447.4
25°	5419.3	5409.9	5378.7	5372.6	5369.5	5356.9	5363.2
27.5°	5288.3	5282.0	5257.1	5247.7	5235.3	5232.2	5238.4
30°	5048.1	5038.7	5020.1	5010.7	4988.8	4991.9	4998.1
32.5°	4748.6	4736.1	4711.1	4701.7	4683.1	4676.8	4679.9
35°	4374.2	4364.9	4343.0	4343.0	4324.3	4318.0	4324.3
37.5°	3993.6	4002.8	3993.6	4002.8	3993.6	3990.4	3993.6
40°	3634.8	3669.1	3675.2	3709.7	3697.2	3715.8	3712.7
42.5°	3291.5	3347.6	3369.6	3397.6	3391.4	3403.9	3413.3
45°	2945.2	2992.1	3013.9	3032.6	3035.7	3042.0	3045.1
47.5°	2617.6	2655.1	2658.2	2680.0	2676.9	2676.9	2686.3
50°	2311.9	2336.9	2343.0	2358.7	2346.2	2339.9	2343.0
52.5°	2028.0	2052.9	2046.6	2052.9	2037.4	2031.1	2034.2
55°	1737.8	1750.2	1750.2	1750.2	1731.6	1731.6	1731.6
57.5°	1441.4	1444.6	1438.3	1441.4	1438.3	1419.6	1416.5
60°	1170.0	1170.0	1166.8	1170.0	1160.7	1151.3	1151.3
62.5°	914.1	920.4	932.8	920.4	914.1	920.4	911.0
65°	683.3	695.8	692.6	698.9	695.8	695.8	689.5
67.5°	514.8	517.9	521.0	524.2	524.2	524.2	524.2
70°	377.6	386.9	383.7	383.7	383.7	383.7	402.5
72.5°	252.7	265.2	262.1	268.3	268.3	274.6	268.3
75°	171.6	184.0	177.9	187.2	184.0	177.9	193.4
77.5°	115.4	121.7	124.8	127.9	124.8	121.7	124.8
80°	81.2	87.3	84.2	87.3	87.3	87.3	90.5
82.5°	50.0	59.3	56.1	59.3	56.1	59.3	59.3
85°	34.3	37.5	31.2	37.5	34.3	34.3	40.6
87.5°	21.8	18.7	18.7	21.8	18.7	21.8	18.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)