

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: P248672

Luminaire Tested: **LD8B100D010 ER8B100835 8LBSW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248672
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 8LBSW0WMH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 3500 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10782.0 lumens
Efficiency: N/A
Efficacy: 101.4 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

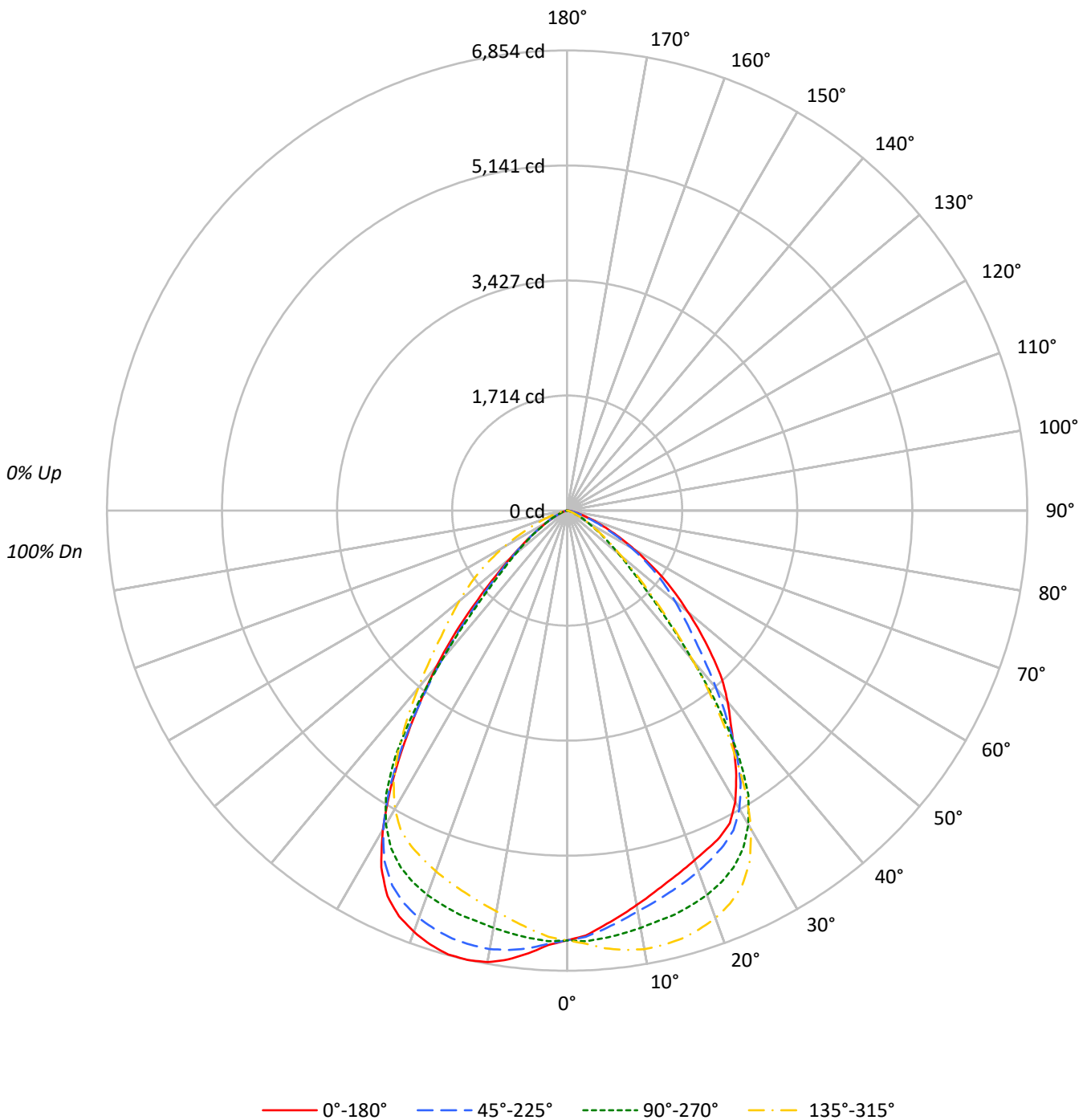
Input Watts (W): 106.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	197380	197380	197380	197380
5°	192138	197843	204910	197843
10°	186823	197585	213833	197585
15°	183091	198759	218514	198759
20°	181843	199895	219075	199895
25°	182801	199494	215553	199494
30°	178279	192191	195645	192191
35°	163071	167656	159069	167656
40°	149717	116624	121788	116624
45°	133030	71148	82325	71148
50°	112602	47527	52780	47527
55°	93260	32429	34278	32429
60°	71127	21585	21777	21585
65°	50397	13455	12316	13455
70°	36352	9016	8177	9016
75°	23078	4480	3729	4480
80°	16106	3338	2770	3338
85°	14400	0	1097	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	609.2	5.7
10°-20°	1764.3	16.4
20°-30°	2671.5	24.8
30°-40°	2677.5	24.8
40°-50°	1681.3	15.6
50°-60°	896.0	8.3
60°-70°	368.4	3.4
70°-80°	97.3	0.9
80°-90°	16.5	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°	5045.0	46.8
0°-40°	7722.5	71.6
0°-60°	10299.8	95.5
0°-90°	10782.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10782.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	6401	6401	6401	6401	6401	
5°	6207	6392	6620	6392	6207	585
15°	5735	6226	6845	6226	5735	1622
25°	5373	5863	6335	5863	5373	2464
35°	4332	4454	4226	4454	4332	2714
45°	3050	1632	1888	1632	3050	2346
55°	1735	603	638	603	1735	1547
65°	691	184	169	184	691	716
75°	194	38	31	38	194	219
85°	41	0	3	0	41	45
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°	6400.9	6400.9	6400.9	6400.9	6400.9	6400.9	6400.9	6400.9	6400.9	6400.9	6400.9
2.5°	6335.3	6329.0	6325.9	6332.2	6335.3	6347.8	6344.7	6350.9	6350.9	6354.1	6360.3
5°	6207.2	6204.0	6207.2	6207.2	6219.7	6232.1	6229.1	6238.5	6244.6	6260.3	6266.5
7.5°	6088.4	6088.4	6085.2	6097.7	6104.0	6122.8	6119.6	6135.3	6144.7	6160.2	6182.1
10°	5966.5	5966.5	5969.6	5979.0	5982.2	6010.2	6010.2	6032.1	6044.6	6060.3	6088.4
12.5°	5847.8	5847.8	5866.5	5860.2	5872.7	5894.6	5904.0	5925.8	5944.6	5975.9	6004.1
15°	5735.2	5735.2	5741.5	5757.1	5766.4	5794.6	5810.2	5835.3	5857.1	5888.4	5929.1
17.5°	5638.3	5635.2	5638.3	5657.1	5675.9	5700.8	5713.3	5744.6	5766.4	5807.1	5844.7
20°	5541.4	5547.7	5547.7	5563.3	5575.8	5607.1	5619.5	5654.0	5679.0	5716.4	5760.3
22.5°	5457.1	5454.0	5454.0	5475.8	5485.2	5513.3	5525.8	5557.0	5585.2	5616.4	5657.1
25°	5372.7	5366.4	5379.0	5382.1	5388.2	5419.5	5428.9	5450.7	5478.9	5507.1	5547.7
27.5°	5247.6	5241.4	5244.5	5257.0	5266.4	5291.4	5297.7	5319.5	5341.4	5366.4	5400.8
30°	5006.9	5000.7	4997.7	5019.5	5028.9	5047.6	5057.0	5094.5	5100.7	5128.9	5153.8
32.5°	4688.1	4685.0	4691.3	4710.0	4719.4	4744.5	4757.0	4778.8	4794.4	4810.1	4835.0
35°	4331.9	4325.6	4331.9	4350.7	4350.7	4372.6	4382.0	4391.2	4388.1	4391.2	4385.0
37.5°	4000.6	3997.4	4000.6	4009.9	4000.6	4009.9	4000.6	3981.9	3947.5	3910.0	3872.4
40°	3719.3	3722.4	3703.7	3716.2	3681.7	3675.6	3641.2	3594.3	3525.6	3450.6	3344.3
42.5°	3419.3	3409.9	3397.4	3403.6	3375.6	3353.6	3297.3	3238.0	3150.4	3025.5	2897.2
45°	3050.5	3047.4	3041.1	3038.0	3019.2	2997.3	2950.4	2881.7	2784.8	2656.7	2503.5
47.5°	2691.0	2681.6	2681.6	2684.7	2662.9	2659.8	2622.2	2562.9	2478.5	2353.5	2194.1
50°	2347.2	2344.1	2350.4	2362.8	2347.2	2341.0	2316.0	2275.4	2200.4	2094.1	1944.0
52.5°	2037.8	2034.7	2041.0	2056.5	2050.2	2056.5	2031.6	2000.3	1950.3	1847.1	1715.9
55°	1734.7	1734.7	1734.7	1753.3	1753.3	1753.3	1740.8	1722.2	1675.2	1600.2	1478.4
57.5°	1419.0	1422.1	1440.8	1443.9	1440.8	1447.1	1443.9	1425.1	1394.0	1340.9	1247.1
60°	1153.3	1153.3	1162.7	1172.1	1168.9	1172.1	1172.1	1162.7	1131.4	1087.7	1012.7
62.5°	912.6	922.0	915.7	922.0	934.5	922.0	915.7	909.5	887.7	859.5	797.0
65°	690.7	697.0	697.0	700.1	693.8	697.0	684.5	675.1	662.7	631.4	590.7
67.5°	525.1	525.1	525.1	525.1	521.9	518.8	515.7	506.4	484.5	472.0	428.1
70°	403.2	384.4	384.4	384.4	384.4	387.6	378.2	365.7	359.4	337.6	306.3
72.5°	268.7	275.0	268.7	268.7	262.6	265.7	253.2	246.9	240.7	228.2	209.4
75°	193.7	178.2	184.4	187.6	178.2	184.4	171.9	159.4	159.4	150.0	140.6
77.5°	125.0	122.0	125.0	128.1	125.0	122.0	115.7	109.3	109.3	106.3	96.9
80°	90.7	87.5	87.5	87.5	84.4	87.5	81.3	81.3	75.0	71.9	65.6
82.5°	59.4	59.4	56.2	59.4	56.2	59.4	50.0	50.0	50.0	46.8	40.7
85°	40.7	34.3	34.3	37.6	31.3	37.6	34.3	31.3	28.2	28.2	25.0
87.5°	18.8	21.9	18.8	21.9	18.8	18.8	21.9	18.8	18.8	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



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	6400.9	6400.9	6400.9	6400.9	6400.9	6400.9	6400.9	6400.9	6400.9	6400.9	6400.9
2.5°	6369.7	6372.8	6372.8	6385.4	6391.5	6394.6	6394.6	6419.7	6410.3	6416.6	6422.8
5°	6279.1	6297.8	6304.1	6304.1	6338.4	6350.9	6363.4	6391.5	6394.6	6413.4	6435.3
7.5°	6191.5	6213.4	6226.0	6254.0	6275.9	6297.8	6335.3	6354.1	6372.8	6397.8	6425.9
10°	6107.1	6132.2	6157.1	6179.0	6213.4	6241.5	6266.5	6310.2	6332.2	6366.6	6404.0
12.5°	6025.9	6060.3	6082.1	6119.6	6157.1	6182.1	6219.7	6260.3	6294.7	6329.0	6372.8
15°	5954.0	5994.7	6019.6	6060.3	6100.9	6135.3	6175.9	6226.0	6250.9	6291.6	6332.2
17.5°	5875.8	5919.7	5950.9	5988.4	6038.4	6075.8	6110.3	6160.2	6191.5	6235.2	6282.2
20°	5794.6	5838.4	5875.8	5913.4	5963.4	6000.8	6041.5	6091.5	6125.9	6169.6	6207.2
22.5°	5697.8	5738.4	5778.9	5822.7	5872.7	5904.0	5950.9	5994.7	6032.1	6072.8	6110.3
25°	5572.7	5622.7	5654.0	5694.5	5735.2	5769.5	5819.6	5863.3	5894.6	5932.1	5966.5
27.5°	5425.8	5463.4	5488.3	5522.7	5563.3	5594.6	5632.0	5675.9	5707.1	5741.5	5766.4
30°	5175.7	5210.2	5232.1	5257.0	5297.7	5325.8	5357.1	5397.6	5419.5	5444.6	5466.4
32.5°	4847.5	4875.7	4888.2	4907.0	4935.1	4963.2	4988.3	5022.6	5032.0	5047.6	5047.6
35°	4372.6	4378.7	4375.7	4382.0	4394.4	4410.0	4431.9	4453.7	4466.2	4466.2	4457.0
37.5°	3816.2	3778.7	3738.1	3706.8	3697.4	3691.1	3703.7	3713.0	3725.6	3731.8	3716.2
40°	3238.0	3153.6	3062.9	2981.6	2925.4	2900.5	2891.1	2897.2	2897.2	2919.1	2919.1
42.5°	2741.1	2609.7	2475.4	2353.5	2272.2	2209.8	2181.6	2181.6	2184.7	2200.4	2209.8
45°	2328.5	2162.8	2006.5	1872.2	1759.6	1678.3	1640.9	1631.5	1628.4	1634.6	1656.5
47.5°	2012.8	1840.9	1678.3	1512.8	1394.0	1312.7	1278.4	1265.8	1253.3	1265.8	1269.0
50°	1765.9	1587.8	1415.9	1250.2	1125.1	1053.2	1009.5	990.7	987.6	987.6	993.9
52.5°	1540.8	1375.2	1203.4	1034.6	903.2	834.5	793.9	784.5	772.0	784.5	784.5
55°	1328.3	1162.7	993.9	834.5	725.1	653.3	615.7	603.2	596.9	606.3	606.3
57.5°	1097.1	956.4	800.2	656.4	547.0	497.0	468.8	453.2	450.0	456.3	450.0
60°	900.1	781.4	647.0	515.7	431.4	378.2	356.4	350.0	343.7	350.0	350.0
62.5°	712.6	612.6	503.1	403.2	331.3	293.8	268.7	268.7	265.7	265.7	268.7
65°	528.2	450.0	371.9	287.5	231.3	203.1	184.4	184.4	181.3	184.4	181.3
67.5°	384.4	331.3	268.7	209.4	165.7	150.0	137.5	128.1	134.4	128.1	125.0
70°	281.3	237.5	193.7	159.4	128.1	112.6	103.2	100.0	93.8	93.8	93.8
72.5°	187.6	159.4	131.2	103.2	84.4	68.7	65.6	59.4	53.1	56.2	62.5
75°	125.0	106.3	93.8	75.0	56.2	56.2	37.6	37.6	31.3	37.6	28.2
77.5°	87.5	71.9	56.2	46.8	37.6	34.3	25.0	25.0	21.9	21.9	21.9
80°	62.5	53.1	40.7	34.3	25.0	25.0	21.9	18.8	15.6	15.6	18.8
82.5°	37.6	28.2	28.2	25.0	15.6	12.5	9.4	12.5	6.3	6.3	6.3
85°	21.9	18.8	15.6	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



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	6400.9	6400.9	6400.9	6400.9	6400.9	6400.9	6400.9	6400.9	6400.9	6400.9	6400.9
2.5°	6438.5	6435.3	6441.6	6441.6	6460.4	6457.2	6466.5	6466.5	6460.4	6463.5	6475.9
5°	6460.4	6469.8	6488.4	6504.1	6532.2	6544.8	6560.3	6576.0	6579.1	6588.5	6597.9
7.5°	6460.4	6491.6	6513.5	6541.5	6579.1	6601.0	6635.3	6663.5	6676.0	6691.5	6710.3
10°	6447.8	6479.0	6519.7	6550.9	6597.9	6632.2	6666.6	6710.3	6729.1	6754.1	6779.2
12.5°	6422.8	6457.2	6500.9	6541.5	6594.7	6625.9	6669.7	6710.3	6738.5	6772.8	6801.0
15°	6385.4	6425.9	6466.5	6507.2	6563.4	6601.0	6641.6	6688.5	6716.6	6754.1	6779.2
17.5°	6325.9	6369.7	6407.2	6444.7	6497.8	6541.5	6579.1	6622.8	6651.0	6682.3	6716.6
20°	6254.0	6294.7	6335.3	6366.6	6419.7	6457.2	6497.8	6538.5	6560.3	6566.6	6619.8
22.5°	6163.5	6191.5	6222.8	6272.8	6304.1	6338.4	6376.0	6413.4	6435.3	6469.8	6488.4
25°	6013.3	6041.5	6075.8	6097.7	6135.3	6163.5	6200.9	6241.5	6254.0	6279.1	6297.8
27.5°	5804.0	5819.6	5835.3	5853.9	5875.8	5891.5	5913.4	5932.1	5944.6	5957.1	5969.6
30°	5472.6	5472.6	5472.6	5460.1	5469.5	5478.9	5482.0	5478.9	5478.9	5475.8	5475.8
32.5°	5035.1	5010.1	4982.0	4957.0	4947.6	4935.1	4928.8	4919.4	4903.9	4894.5	4897.6
35°	4444.3	4388.1	4353.8	4322.5	4297.6	4278.8	4269.4	4260.0	4256.9	4244.4	4231.8
37.5°	3706.8	3666.2	3641.2	3622.4	3600.6	3581.8	3584.9	3588.1	3597.3	3591.2	3594.3
40°	2925.4	2916.0	2925.4	2903.6	2897.2	2903.6	2919.1	2941.1	2953.6	2966.1	2987.9
42.5°	2225.3	2240.9	2262.9	2262.9	2272.2	2284.8	2303.4	2337.9	2356.5	2378.4	2403.5
45°	1675.2	1694.0	1722.2	1731.5	1737.8	1753.3	1775.3	1803.4	1815.8	1834.6	1856.5
47.5°	1290.8	1303.3	1318.9	1334.6	1350.1	1356.4	1378.3	1378.3	1394.0	1406.5	1412.7
50°	1006.4	1018.9	1031.4	1040.7	1047.1	1056.4	1062.6	1072.0	1075.1	1081.4	1084.5
52.5°	787.6	803.3	803.3	809.4	818.8	828.2	825.1	828.2	831.3	831.3	840.7
55°	615.7	615.7	625.1	625.1	631.4	628.2	631.4	631.4	631.4	631.4	634.5
57.5°	459.4	462.6	472.0	465.7	462.6	468.8	462.6	468.8	465.7	472.0	462.6
60°	353.1	353.1	356.4	356.4	359.4	359.4	359.4	356.4	356.4	353.1	353.1
62.5°	265.7	268.7	272.0	268.7	268.7	268.7	265.7	265.7	262.6	259.4	259.4
65°	178.2	175.1	181.3	175.1	178.2	178.2	175.1	178.2	168.8	171.9	168.8
67.5°	128.1	125.0	122.0	125.0	122.0	118.7	118.7	122.0	125.0	115.7	115.7
70°	84.4	87.5	84.4	87.5	90.7	90.7	87.5	84.4	87.5	81.3	84.4
72.5°	53.1	53.1	53.1	53.1	53.1	56.2	56.2	56.2	50.0	50.0	46.8
75°	25.0	34.3	28.2	25.0	34.3	34.3	31.3	31.3	28.2	28.2	28.2
77.5°	25.0	18.8	18.8	18.8	18.8	18.8	18.8	18.8	15.6	18.8	15.6
80°	12.5	12.5	12.5	9.4	12.5	12.5	15.6	12.5	12.5	9.4	15.6
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: P248672

CATALOG NUMBER: LD8B100D010 ER8B100835 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	6400.9	6400.9	6400.9	6400.9	6400.9	6400.9	6400.9	6400.9	6400.9	6400.9	6400.9
2.5°	6472.8	6469.8	6472.8	6475.9	6472.8	6469.8	6472.8	6475.9	6463.5	6460.4	6466.5
5°	6610.4	6610.4	6616.5	6619.8	6616.5	6610.4	6610.4	6597.9	6588.5	6579.1	6576.0
7.5°	6729.1	6735.4	6741.6	6744.7	6741.6	6735.4	6729.1	6710.3	6691.5	6676.0	6663.5
10°	6801.0	6810.4	6822.9	6829.1	6822.9	6810.4	6801.0	6779.2	6754.1	6729.1	6710.3
12.5°	6832.3	6841.7	6857.2	6854.2	6857.2	6841.7	6832.3	6801.0	6772.8	6738.5	6710.3
15°	6810.4	6822.9	6838.5	6844.8	6838.5	6822.9	6810.4	6779.2	6754.1	6716.6	6688.5
17.5°	6741.6	6760.4	6769.8	6779.2	6769.8	6760.4	6741.6	6716.6	6682.3	6651.0	6622.8
20°	6647.8	6660.4	6672.9	6676.0	6672.9	6660.4	6647.8	6619.8	6566.6	6560.3	6538.5
22.5°	6513.5	6522.9	6550.9	6541.5	6550.9	6522.9	6513.5	6488.4	6469.8	6435.3	6413.4
25°	6319.6	6329.0	6332.2	6335.3	6332.2	6329.0	6319.6	6297.8	6279.1	6254.0	6241.5
27.5°	5985.3	5985.3	5991.5	5994.7	5991.5	5985.3	5985.3	5969.6	5957.1	5944.6	5932.1
30°	5478.9	5478.9	5478.9	5494.6	5478.9	5478.9	5478.9	5475.8	5475.8	5478.9	5478.9
32.5°	4894.5	4888.2	4882.0	4888.2	4882.0	4888.2	4894.5	4897.6	4894.5	4903.9	4919.4
35°	4231.8	4228.7	4238.1	4225.6	4238.1	4228.7	4231.8	4231.8	4244.4	4256.9	4260.0
37.5°	3597.3	3591.2	3603.6	3591.2	3603.6	3591.2	3597.3	3594.3	3591.2	3597.3	3588.1
40°	2994.2	3000.4	3000.4	3025.5	3000.4	3000.4	2994.2	2987.9	2966.1	2953.6	2941.1
42.5°	2416.0	2434.8	2428.5	2447.2	2428.5	2434.8	2416.0	2403.5	2378.4	2356.5	2337.9
45°	1869.0	1881.6	1881.6	1887.8	1881.6	1881.6	1869.0	1856.5	1834.6	1815.8	1803.4
47.5°	1434.5	1434.5	1434.5	1437.8	1434.5	1434.5	1434.5	1412.7	1406.5	1394.0	1378.3
50°	1090.8	1093.9	1097.1	1100.2	1097.1	1093.9	1090.8	1084.5	1081.4	1075.1	1072.0
52.5°	837.6	840.7	834.5	840.7	834.5	840.7	837.6	840.7	831.3	831.3	828.2
55°	634.5	631.4	634.5	637.6	634.5	631.4	634.5	634.5	631.4	631.4	631.4
57.5°	465.7	459.4	459.4	459.4	459.4	459.4	465.7	462.6	472.0	465.7	468.8
60°	347.0	350.0	350.0	353.1	350.0	350.0	347.0	353.1	353.1	356.4	356.4
62.5°	256.3	265.7	259.4	265.7	259.4	265.7	256.3	259.4	259.4	262.6	265.7
65°	165.7	165.7	165.7	168.8	165.7	165.7	165.7	168.8	171.9	168.8	178.2
67.5°	112.6	115.7	122.0	118.7	122.0	115.7	112.6	115.7	115.7	125.0	122.0
70°	90.7	81.3	81.3	90.7	81.3	81.3	90.7	84.4	81.3	87.5	84.4
72.5°	53.1	46.8	53.1	53.1	53.1	46.8	53.1	46.8	50.0	50.0	56.2
75°	28.2	25.0	21.9	31.3	21.9	25.0	28.2	28.2	28.2	28.2	31.3
77.5°	18.8	15.6	21.9	21.9	21.9	15.6	18.8	15.6	18.8	15.6	18.8
80°	9.4	12.5	9.4	15.6	9.4	12.5	9.4	15.6	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: P248672

CATALOG NUMBER: LD8B100D010 ER8B100835 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	6400.9	6400.9	6400.9	6400.9	6400.9	6400.9	6400.9	6400.9	6400.9	6400.9	6400.9
2.5°	6466.5	6457.2	6460.4	6441.6	6441.6	6435.3	6438.5	6422.8	6416.6	6410.3	6419.7
5°	6560.3	6544.8	6532.2	6504.1	6488.4	6469.8	6460.4	6435.3	6413.4	6394.6	6391.5
7.5°	6635.3	6601.0	6579.1	6541.5	6513.5	6491.6	6460.4	6425.9	6397.8	6372.8	6354.1
10°	6666.6	6632.2	6597.9	6550.9	6519.7	6479.0	6447.8	6404.0	6366.6	6332.2	6310.2
12.5°	6669.7	6625.9	6594.7	6541.5	6500.9	6457.2	6422.8	6372.8	6329.0	6294.7	6260.3
15°	6641.6	6601.0	6563.4	6507.2	6466.5	6425.9	6385.4	6332.2	6291.6	6250.9	6226.0
17.5°	6579.1	6541.5	6497.8	6444.7	6407.2	6369.7	6325.9	6282.2	6235.2	6191.5	6160.2
20°	6497.8	6457.2	6419.7	6366.6	6335.3	6294.7	6254.0	6207.2	6169.6	6125.9	6091.5
22.5°	6376.0	6338.4	6304.1	6272.8	6222.8	6191.5	6163.5	6110.3	6072.8	6032.1	5994.7
25°	6200.9	6163.5	6135.3	6097.7	6075.8	6041.5	6013.3	5966.5	5932.1	5894.6	5863.3
27.5°	5913.4	5891.5	5875.8	5853.9	5835.3	5819.6	5804.0	5766.4	5741.5	5707.1	5675.9
30°	5482.0	5478.9	5469.5	5460.1	5472.6	5472.6	5472.6	5466.4	5444.6	5419.5	5397.6
32.5°	4928.8	4935.1	4947.6	4957.0	4982.0	5010.1	5035.1	5047.6	5047.6	5032.0	5022.6
35°	4269.4	4278.8	4297.6	4322.5	4353.8	4388.1	4444.3	4457.0	4466.2	4466.2	4453.7
37.5°	3584.9	3581.8	3600.6	3622.4	3641.2	3666.2	3706.8	3716.2	3731.8	3725.6	3713.0
40°	2919.1	2903.6	2897.2	2903.6	2925.4	2916.0	2925.4	2919.1	2919.1	2897.2	2897.2
42.5°	2303.4	2284.8	2272.2	2262.9	2262.9	2240.9	2225.3	2209.8	2200.4	2184.7	2181.6
45°	1775.3	1753.3	1737.8	1731.5	1722.2	1694.0	1675.2	1656.5	1634.6	1628.4	1631.5
47.5°	1378.3	1356.4	1350.1	1334.6	1318.9	1303.3	1290.8	1269.0	1265.8	1253.3	1265.8
50°	1062.6	1056.4	1047.1	1040.7	1031.4	1018.9	1006.4	993.9	987.6	987.6	990.7
52.5°	825.1	828.2	818.8	809.4	803.3	803.3	787.6	784.5	784.5	772.0	784.5
55°	631.4	628.2	631.4	625.1	625.1	615.7	615.7	606.3	606.3	596.9	603.2
57.5°	462.6	468.8	462.6	465.7	472.0	462.6	459.4	450.0	456.3	450.0	453.2
60°	359.4	359.4	359.4	356.4	356.4	353.1	353.1	350.0	350.0	343.7	350.0
62.5°	265.7	268.7	268.7	268.7	272.0	268.7	265.7	268.7	265.7	265.7	268.7
65°	175.1	178.2	178.2	175.1	181.3	175.1	178.2	181.3	184.4	181.3	184.4
67.5°	118.7	118.7	122.0	125.0	122.0	125.0	128.1	125.0	128.1	134.4	128.1
70°	87.5	90.7	90.7	87.5	84.4	87.5	84.4	93.8	93.8	93.8	100.0
72.5°	56.2	56.2	53.1	53.1	53.1	53.1	53.1	62.5	56.2	53.1	59.4
75°	31.3	34.3	34.3	25.0	28.2	34.3	25.0	28.2	37.6	31.3	37.6
77.5°	18.8	18.8	18.8	18.8	18.8	18.8	25.0	21.9	21.9	21.9	25.0
80°	15.6	12.5	12.5	9.4	12.5	12.5	12.5	18.8	15.6	15.6	18.8
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: P248672

CATALOG NUMBER: LD8B100D010 ER8B100835 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	6400.9	6400.9	6400.9	6400.9	6400.9	6400.9	6400.9	6400.9	6400.9	6400.9	6400.9
2.5°	6394.6	6394.6	6391.5	6385.4	6372.8	6372.8	6369.7	6360.3	6354.1	6350.9	6350.9
5°	6363.4	6350.9	6338.4	6304.1	6304.1	6297.8	6279.1	6266.5	6260.3	6244.6	6238.5
7.5°	6335.3	6297.8	6275.9	6254.0	6226.0	6213.4	6191.5	6182.1	6160.2	6144.7	6135.3
10°	6266.5	6241.5	6213.4	6179.0	6157.1	6132.2	6107.1	6088.4	6060.3	6044.6	6032.1
12.5°	6219.7	6182.1	6157.1	6119.6	6082.1	6060.3	6025.9	6004.1	5975.9	5944.6	5925.8
15°	6175.9	6135.3	6100.9	6060.3	6019.6	5994.7	5954.0	5929.1	5888.4	5857.1	5835.3
17.5°	6110.3	6075.8	6038.4	5988.4	5950.9	5919.7	5875.8	5844.7	5807.1	5766.4	5744.6
20°	6041.5	6000.8	5963.4	5913.4	5875.8	5838.4	5794.6	5760.3	5716.4	5679.0	5654.0
22.5°	5950.9	5904.0	5872.7	5822.7	5778.9	5738.4	5697.8	5657.1	5616.4	5585.2	5557.0
25°	5819.6	5769.5	5735.2	5694.5	5654.0	5622.7	5572.7	5547.7	5507.1	5478.9	5450.7
27.5°	5632.0	5594.6	5563.3	5522.7	5488.3	5463.4	5425.8	5400.8	5366.4	5341.4	5319.5
30°	5357.1	5325.8	5297.7	5257.0	5232.1	5210.2	5175.7	5153.8	5128.9	5100.7	5094.5
32.5°	4988.3	4963.2	4935.1	4907.0	4888.2	4875.7	4847.5	4835.0	4810.1	4794.4	4778.8
35°	4431.9	4410.0	4394.4	4382.0	4375.7	4378.7	4372.6	4385.0	4391.2	4388.1	4391.2
37.5°	3703.7	3691.1	3697.4	3706.8	3738.1	3778.7	3816.2	3872.4	3910.0	3947.5	3981.9
40°	2891.1	2900.5	2925.4	2981.6	3062.9	3153.6	3238.0	3344.3	3450.6	3525.6	3594.3
42.5°	2181.6	2209.8	2272.2	2353.5	2475.4	2609.7	2741.1	2897.2	3025.5	3150.4	3238.0
45°	1640.9	1678.3	1759.6	1872.2	2006.5	2162.8	2328.5	2503.5	2656.7	2784.8	2881.7
47.5°	1278.4	1312.7	1394.0	1512.8	1678.3	1840.9	2012.8	2194.1	2353.5	2478.5	2562.9
50°	1009.5	1053.2	1125.1	1250.2	1415.9	1587.8	1765.9	1944.0	2094.1	2200.4	2275.4
52.5°	793.9	834.5	903.2	1034.6	1203.4	1375.2	1540.8	1715.9	1847.1	1950.3	2000.3
55°	615.7	653.3	725.1	834.5	993.9	1162.7	1328.3	1478.4	1600.2	1675.2	1722.2
57.5°	468.8	497.0	547.0	656.4	800.2	956.4	1097.1	1247.1	1340.9	1394.0	1425.1
60°	356.4	378.2	431.4	515.7	647.0	781.4	900.1	1012.7	1087.7	1131.4	1162.7
62.5°	268.7	293.8	331.3	403.2	503.1	612.6	712.6	797.0	859.5	887.7	909.5
65°	184.4	203.1	231.3	287.5	371.9	450.0	528.2	590.7	631.4	662.7	675.1
67.5°	137.5	150.0	165.7	209.4	268.7	331.3	384.4	428.1	472.0	484.5	506.4
70°	103.2	112.6	128.1	159.4	193.7	237.5	281.3	306.3	337.6	359.4	365.7
72.5°	65.6	68.7	84.4	103.2	131.2	159.4	187.6	209.4	228.2	240.7	246.9
75°	37.6	56.2	56.2	75.0	93.8	106.3	125.0	140.6	150.0	159.4	159.4
77.5°	25.0	34.3	37.6	46.8	56.2	71.9	87.5	96.9	106.3	109.3	109.3
80°	21.9	25.0	25.0	34.3	40.7	53.1	62.5	65.6	71.9	75.0	81.3
82.5°	9.4	12.5	15.6	25.0	28.2	28.2	37.6	40.7	46.8	50.0	50.0
85°	3.1	6.3	6.3	9.4	15.6	18.8	21.9	25.0	28.2	28.2	31.3
87.5°	3.1	3.1	0.0	3.1	6.3	6.3	12.5	12.5	12.5	18.8	18.8
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: P248672

CATALOG NUMBER: LD8B100D010 ER8B100835 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	6400.9	6400.9	6400.9	6400.9	6400.9	6400.9	6400.9
2.5°	6344.7	6347.8	6335.3	6332.2	6325.9	6329.0	6335.3
5°	6229.1	6232.1	6219.7	6207.2	6207.2	6204.0	6207.2
7.5°	6119.6	6122.8	6104.0	6097.7	6085.2	6088.4	6088.4
10°	6010.2	6010.2	5982.2	5979.0	5969.6	5966.5	5966.5
12.5°	5904.0	5894.6	5872.7	5860.2	5866.5	5847.8	5847.8
15°	5810.2	5794.6	5766.4	5757.1	5741.5	5735.2	5735.2
17.5°	5713.3	5700.8	5675.9	5657.1	5638.3	5635.2	5638.3
20°	5619.5	5607.1	5575.8	5563.3	5547.7	5547.7	5541.4
22.5°	5525.8	5513.3	5485.2	5475.8	5454.0	5454.0	5457.1
25°	5428.9	5419.5	5388.2	5382.1	5379.0	5366.4	5372.7
27.5°	5297.7	5291.4	5266.4	5257.0	5244.5	5241.4	5247.6
30°	5057.0	5047.6	5028.9	5019.5	4997.7	5000.7	5006.9
32.5°	4757.0	4744.5	4719.4	4710.0	4691.3	4685.0	4688.1
35°	4382.0	4372.6	4350.7	4350.7	4331.9	4325.6	4331.9
37.5°	4000.6	4009.9	4000.6	4009.9	4000.6	3997.4	4000.6
40°	3641.2	3675.6	3681.7	3716.2	3703.7	3722.4	3719.3
42.5°	3297.3	3353.6	3375.6	3403.6	3397.4	3409.9	3419.3
45°	2950.4	2997.3	3019.2	3038.0	3041.1	3047.4	3050.5
47.5°	2622.2	2659.8	2662.9	2684.7	2681.6	2681.6	2691.0
50°	2316.0	2341.0	2347.2	2362.8	2350.4	2344.1	2347.2
52.5°	2031.6	2056.5	2050.2	2056.5	2041.0	2034.7	2037.8
55°	1740.8	1753.3	1753.3	1753.3	1734.7	1734.7	1734.7
57.5°	1443.9	1447.1	1440.8	1443.9	1440.8	1422.1	1419.0
60°	1172.1	1172.1	1168.9	1172.1	1162.7	1153.3	1153.3
62.5°	915.7	922.0	934.5	922.0	915.7	922.0	912.6
65°	684.5	697.0	693.8	700.1	697.0	697.0	690.7
67.5°	515.7	518.8	521.9	525.1	525.1	525.1	525.1
70°	378.2	387.6	384.4	384.4	384.4	384.4	403.2
72.5°	253.2	265.7	262.6	268.7	268.7	275.0	268.7
75°	171.9	184.4	178.2	187.6	184.4	178.2	193.7
77.5°	115.7	122.0	125.0	128.1	125.0	122.0	125.0
80°	81.3	87.5	84.4	87.5	87.5	87.5	90.7
82.5°	50.0	59.4	56.2	59.4	56.2	59.4	59.4
85°	34.3	37.6	31.3	37.6	34.3	34.3	40.7
87.5°	21.9	18.8	18.8	21.9	18.8	21.9	18.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)