

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: P249077

Luminaire Tested: **LD8B100D010 ER8B100930 8LBSW0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P249077
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 8LBSW0MW
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
97 CRI 3000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8888.4 lumens
Efficiency: N/A
Efficacy: 83.6 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

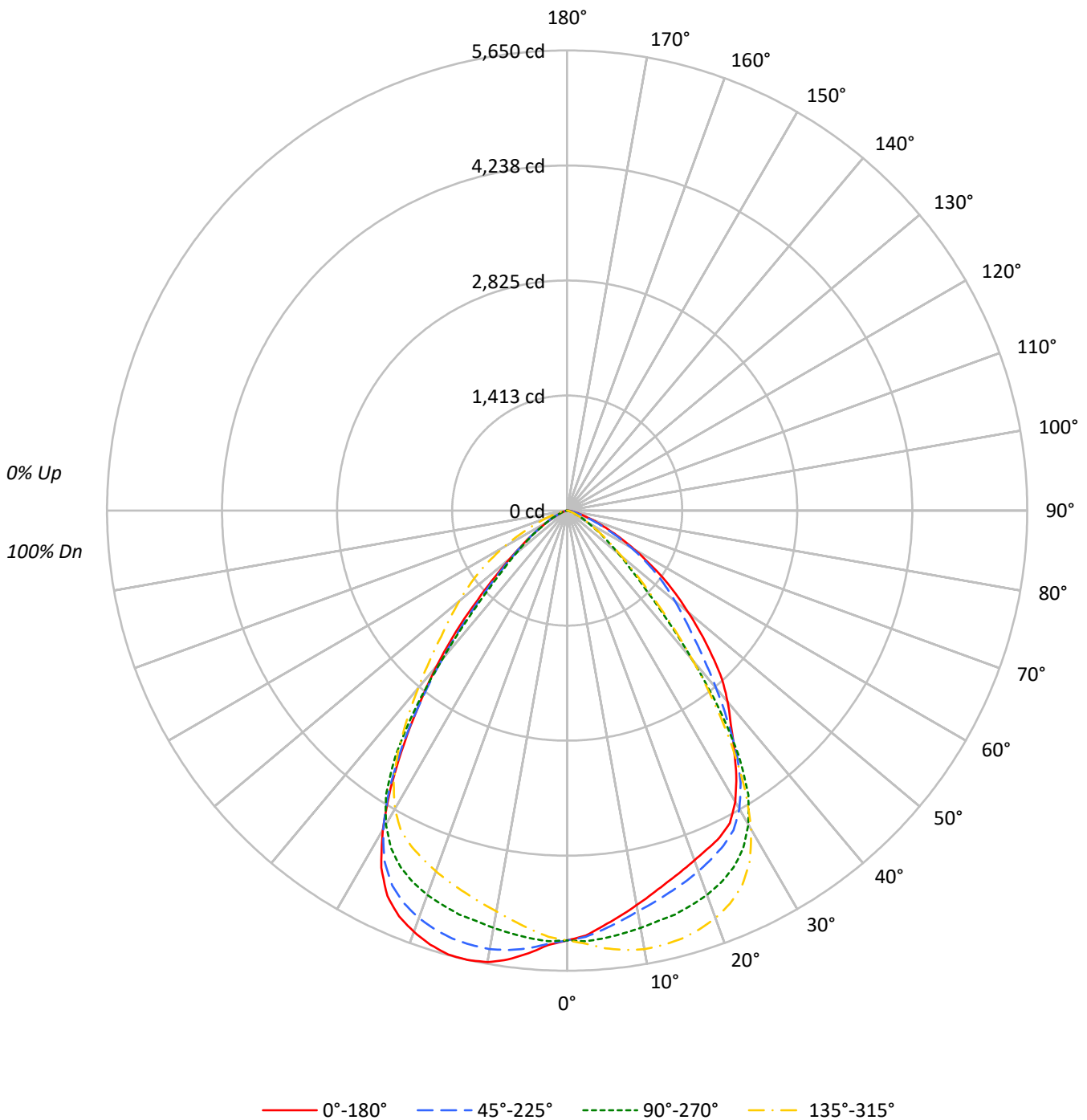
Input Watts (W): 106.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	502.3	5.7
10°-20°	1454.4	16.4
20°-30°	2202.3	24.8
30°-40°	2207.2	24.8
40°-50°	1386.0	15.6
50°-60°	738.6	8.3
60°-70°	303.7	3.4
70°-80°	80.2	0.9
80°-90°	13.6	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°	4159.0	46.8
0°-40°	6366.2	71.6
0°-60°	8490.9	95.5
0°-90°	8888.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8888.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	5277	5277	5277	5277	5277	
5°	5117	5269	5457	5269	5117	483
15°	4728	5132	5643	5132	4728	1337
25°	4429	4834	5223	4834	4429	2031
35°	3571	3672	3484	3672	3571	2237
45°	2515	1345	1556	1345	2515	1934
55°	1430	497	526	497	1430	1275
65°	569	152	139	152	569	591
75°	160	31	26	31	160	181
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°	5276.8	5276.8	5276.8	5276.8	5276.8	5276.8	5276.8	5276.8	5276.8	5276.8	5276.8
2.5°	5222.6	5217.5	5214.9	5220.2	5222.6	5232.9	5230.5	5235.5	5235.5	5238.2	5243.3
5°	5117.0	5114.5	5117.0	5117.0	5127.3	5137.7	5135.1	5142.8	5148.0	5160.9	5165.9
7.5°	5019.2	5019.2	5016.5	5026.8	5031.9	5047.5	5044.8	5057.7	5065.5	5078.4	5096.4
10°	4918.6	4918.6	4921.2	4928.9	4931.6	4954.7	4954.7	4972.8	4983.0	4996.0	5019.2
12.5°	4820.7	4820.7	4836.2	4831.1	4841.3	4859.3	4867.0	4885.1	4900.6	4926.3	4949.6
15°	4727.9	4727.9	4733.1	4746.0	4753.7	4776.9	4789.8	4810.4	4828.5	4854.3	4887.8
17.5°	4648.1	4645.5	4648.1	4663.6	4679.1	4699.7	4709.9	4735.7	4753.7	4787.2	4818.2
20°	4568.2	4573.5	4573.5	4586.2	4596.5	4622.3	4632.6	4661.0	4681.6	4712.5	4748.7
22.5°	4498.7	4496.1	4496.1	4514.2	4521.9	4545.0	4555.3	4581.1	4604.3	4630.1	4663.6
25°	4429.1	4423.9	4434.2	4436.8	4442.0	4467.7	4475.5	4493.4	4516.7	4539.9	4573.5
27.5°	4326.1	4320.9	4323.5	4333.8	4341.5	4362.0	4367.3	4385.2	4403.3	4423.9	4452.3
30°	4127.5	4122.5	4119.9	4137.9	4145.7	4161.0	4168.9	4199.8	4204.9	4228.1	4248.7
32.5°	3864.8	3862.2	3867.4	3882.8	3890.5	3911.3	3921.5	3939.5	3952.4	3965.3	3985.9
35°	3571.2	3565.9	3571.2	3586.6	3586.6	3604.6	3612.4	3620.0	3617.5	3620.0	3614.9
37.5°	3298.0	3295.4	3298.0	3305.7	3298.0	3305.7	3298.0	3282.5	3254.3	3223.2	3192.3
40°	3066.0	3068.6	3053.3	3063.6	3035.1	3030.1	3001.7	2963.0	2906.4	2844.5	2757.0
42.5°	2818.8	2811.0	2800.7	2805.9	2782.8	2764.6	2718.2	2669.3	2597.1	2494.1	2388.4
45°	2514.7	2512.2	2507.0	2504.4	2489.0	2470.9	2432.2	2375.6	2295.7	2190.1	2063.8
47.5°	2218.5	2210.7	2210.7	2213.2	2195.1	2192.7	2161.6	2112.7	2043.2	1940.1	1808.7
50°	1935.0	1932.4	1937.5	1947.8	1935.0	1929.8	1909.3	1875.8	1813.9	1726.3	1602.6
52.5°	1679.9	1677.4	1682.5	1695.4	1690.1	1695.4	1674.8	1649.0	1607.7	1522.7	1414.5
55°	1430.1	1430.1	1430.1	1445.4	1445.4	1445.4	1435.1	1419.7	1381.1	1319.2	1218.8
57.5°	1169.8	1172.3	1187.8	1190.4	1187.8	1193.0	1190.4	1174.8	1149.1	1105.4	1028.1
60°	950.7	950.7	958.5	966.3	963.6	966.3	966.3	958.5	932.8	896.7	834.8
62.5°	752.3	760.0	754.9	760.0	770.4	760.0	754.9	749.8	731.8	708.6	657.0
65°	569.4	574.6	574.6	577.1	571.9	574.6	564.3	556.6	546.3	520.5	487.0
67.5°	432.9	432.9	432.9	432.9	430.2	427.7	425.2	417.5	399.4	389.1	352.9
70°	332.4	316.9	316.9	316.9	316.9	319.5	311.8	301.5	296.3	278.2	252.6
72.5°	221.5	226.8	221.5	221.5	216.5	219.0	208.7	203.5	198.4	188.1	172.6
75°	159.7	146.9	152.0	154.6	146.9	152.0	141.7	131.4	131.4	123.6	115.9
77.5°	103.1	100.6	103.1	105.6	103.1	100.6	95.4	90.1	90.1	87.6	79.8
80°	74.8	72.1	72.1	72.1	69.6	72.1	67.0	67.0	61.9	59.3	54.0
82.5°	49.0	49.0	46.3	49.0	46.3	49.0	41.3	41.3	41.3	38.6	33.5
85°	33.5	28.4	28.4	30.9	25.8	30.9	28.4	25.8	23.2	23.2	20.6
87.5°	15.5	18.0	15.5	18.0	15.5	15.5	18.0	15.5	15.5	10.3	10.3
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	5276.8	5276.8	5276.8	5276.8	5276.8	5276.8	5276.8	5276.8	5276.8	5276.8	5276.8
2.5°	5251.0	5253.6	5253.6	5263.9	5269.0	5271.6	5271.6	5292.2	5284.5	5289.7	5294.8
5°	5176.3	5191.7	5197.0	5197.0	5225.2	5235.5	5245.8	5269.0	5271.6	5287.1	5305.1
7.5°	5104.1	5122.2	5132.5	5155.7	5173.6	5191.7	5222.6	5238.2	5253.6	5274.2	5297.3
10°	5034.5	5055.3	5075.8	5093.8	5122.2	5145.4	5165.9	5202.0	5220.2	5248.4	5279.3
12.5°	4967.6	4996.0	5014.0	5044.8	5075.8	5096.4	5127.3	5160.9	5189.2	5217.5	5253.6
15°	4908.3	4941.8	4962.4	4996.0	5029.5	5057.7	5091.2	5132.5	5153.1	5186.6	5220.2
17.5°	4843.8	4880.0	4905.8	4936.7	4977.9	5008.7	5037.2	5078.4	5104.1	5140.1	5178.9
20°	4776.9	4813.0	4843.8	4874.8	4916.0	4947.0	4980.5	5021.7	5050.0	5086.1	5117.0
22.5°	4697.1	4730.6	4764.0	4800.0	4841.3	4867.0	4905.8	4941.8	4972.8	5006.3	5037.2
25°	4594.0	4635.2	4661.0	4694.4	4727.9	4756.3	4797.5	4833.5	4859.3	4890.4	4918.6
27.5°	4472.9	4503.8	4524.5	4552.7	4586.2	4612.0	4642.8	4679.1	4704.8	4733.1	4753.7
30°	4266.8	4295.1	4313.2	4333.8	4367.3	4390.5	4416.3	4449.7	4467.7	4488.4	4506.4
32.5°	3996.1	4019.5	4029.7	4045.1	4068.4	4091.5	4112.2	4140.5	4148.3	4161.0	4161.0
35°	3604.6	3609.7	3607.2	3612.4	3622.6	3635.5	3653.6	3671.5	3681.8	3681.8	3674.2
37.5°	3146.0	3115.1	3081.6	3055.8	3048.1	3042.8	3053.3	3060.9	3071.3	3076.4	3063.6
40°	2669.3	2599.8	2525.1	2458.0	2411.6	2391.1	2383.4	2388.4	2388.4	2406.5	2406.5
42.5°	2259.7	2151.4	2040.7	1940.1	1873.1	1821.6	1798.4	1798.4	1801.0	1813.9	1821.6
45°	1919.6	1783.0	1654.1	1543.4	1450.6	1383.5	1352.7	1345.0	1342.4	1347.6	1365.5
47.5°	1659.3	1517.6	1383.5	1247.1	1149.1	1082.2	1053.9	1043.4	1033.1	1043.4	1046.1
50°	1455.8	1308.9	1167.2	1030.6	927.5	868.2	832.2	816.8	814.2	814.2	819.3
52.5°	1270.2	1133.7	992.0	852.9	744.6	688.0	654.4	646.7	636.4	646.7	646.7
55°	1095.0	958.5	819.3	688.0	597.7	538.5	507.6	497.3	492.1	499.9	499.9
57.5°	904.4	788.4	659.6	541.1	451.0	409.7	386.4	373.6	370.9	376.2	370.9
60°	742.1	644.1	533.4	425.2	355.6	311.8	293.8	288.5	283.4	288.5	288.5
62.5°	587.4	505.0	414.8	332.4	273.1	242.2	221.5	221.5	219.0	219.0	221.5
65°	435.5	370.9	306.6	237.0	190.7	167.5	152.0	152.0	149.4	152.0	149.4
67.5°	316.9	273.1	221.5	172.6	136.6	123.6	113.3	105.6	110.9	105.6	103.1
70°	231.9	195.7	159.7	131.4	105.6	92.8	85.1	82.4	77.3	77.3	77.3
72.5°	154.6	131.4	108.2	85.1	69.6	56.6	54.0	49.0	43.8	46.3	51.6
75°	103.1	87.6	77.3	61.9	46.3	46.3	30.9	30.9	25.8	30.9	23.2
77.5°	72.1	59.3	46.3	38.6	30.9	28.4	20.6	20.6	18.0	18.0	18.0
80°	51.6	43.8	33.5	28.4	20.6	20.6	18.0	15.5	12.8	12.8	15.5
82.5°	30.9	23.2	23.2	20.6	12.8	10.3	7.7	10.3	5.2	5.2	5.2
85°	18.0	15.5	12.8	7.7	5.2	5.2	2.6	0.0	2.6	2.6	0.0
87.5°	10.3	5.2	5.2	2.6	0.0	2.6	2.6	0.0	0.0	0.0	5.2
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°	5276.8	5276.8	5276.8	5276.8	5276.8	5276.8	5276.8	5276.8	5276.8	5276.8	5276.8
2.5°	5307.7	5305.1	5310.3	5310.3	5325.8	5323.1	5330.8	5330.8	5325.8	5328.3	5338.7
5°	5325.8	5333.5	5348.9	5361.9	5384.9	5395.4	5408.2	5421.2	5423.6	5431.4	5439.1
7.5°	5325.8	5351.5	5369.6	5392.7	5423.6	5441.7	5470.0	5493.2	5503.5	5516.3	5531.8
10°	5315.3	5341.1	5374.6	5400.4	5439.1	5467.5	5495.8	5531.8	5547.3	5567.9	5588.5
12.5°	5294.8	5323.1	5359.2	5392.7	5436.5	5462.3	5498.3	5531.8	5555.0	5583.4	5606.6
15°	5263.9	5297.3	5330.8	5364.3	5410.7	5441.7	5475.2	5513.8	5537.1	5567.9	5588.5
17.5°	5214.9	5251.0	5281.9	5312.9	5356.6	5392.7	5423.6	5459.7	5482.9	5508.7	5537.1
20°	5155.7	5189.2	5222.6	5248.4	5292.2	5323.1	5356.6	5390.1	5408.2	5413.3	5457.1
22.5°	5081.0	5104.1	5129.9	5171.2	5197.0	5225.2	5256.1	5287.1	5305.1	5333.5	5348.9
25°	4957.2	4980.5	5008.7	5026.8	5057.7	5081.0	5111.9	5145.4	5155.7	5176.3	5191.7
27.5°	4784.7	4797.5	4810.4	4825.8	4843.8	4856.8	4874.8	4890.4	4900.6	4910.9	4921.2
30°	4511.5	4511.5	4511.5	4501.2	4509.0	4516.7	4519.2	4516.7	4516.7	4514.2	4514.2
32.5°	4150.8	4130.2	4107.0	4086.4	4078.6	4068.4	4063.2	4055.4	4042.7	4034.9	4037.4
35°	3663.8	3617.5	3589.1	3563.3	3542.8	3527.3	3519.6	3511.9	3509.3	3499.0	3488.7
37.5°	3055.8	3022.3	3001.7	2986.2	2968.2	2952.7	2955.3	2957.9	2965.6	2960.4	2963.0
40°	2411.6	2403.9	2411.6	2393.6	2388.4	2393.6	2406.5	2424.6	2434.8	2445.1	2463.2
42.5°	1834.5	1847.3	1865.5	1865.5	1873.1	1883.5	1898.9	1927.3	1942.7	1960.7	1981.4
45°	1381.1	1396.5	1419.7	1427.4	1432.5	1445.4	1463.6	1486.7	1497.0	1512.5	1530.5
47.5°	1064.2	1074.4	1087.3	1100.1	1113.0	1118.2	1136.2	1136.2	1149.1	1159.5	1164.6
50°	829.7	840.0	850.3	858.0	863.2	870.9	875.9	883.7	886.3	891.5	894.0
52.5°	649.3	662.2	662.2	667.3	675.1	682.8	680.2	682.8	685.3	685.3	693.0
55°	507.6	507.6	515.3	515.3	520.5	517.9	520.5	520.5	520.5	520.5	523.1
57.5°	378.7	381.4	389.1	383.9	381.4	386.4	381.4	386.4	383.9	389.1	381.4
60°	291.1	291.1	293.8	293.8	296.3	296.3	296.3	293.8	293.8	291.1	291.1
62.5°	219.0	221.5	224.2	221.5	221.5	221.5	219.0	219.0	216.5	213.8	213.8
65°	146.9	144.4	149.4	144.4	146.9	146.9	144.4	146.9	139.1	141.7	139.1
67.5°	105.6	103.1	100.6	103.1	100.6	97.9	97.9	100.6	103.1	95.4	95.4
70°	69.6	72.1	69.6	72.1	74.8	74.8	72.1	69.6	72.1	67.0	69.6
72.5°	43.8	43.8	43.8	43.8	43.8	46.3	46.3	46.3	41.3	41.3	38.6
75°	20.6	28.4	23.2	20.6	28.4	28.4	25.8	25.8	23.2	23.2	23.2
77.5°	20.6	15.5	15.5	15.5	15.5	15.5	15.5	15.5	12.8	15.5	12.8
80°	10.3	10.3	10.3	7.7	10.3	10.3	12.8	10.3	10.3	7.7	12.8
82.5°	5.2	5.2	5.2	0.0	2.6	5.2	5.2	2.6	5.2	5.2	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: P249077

CATALOG NUMBER: LD8B100D010 ER8B100930 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	5276.8	5276.8	5276.8	5276.8	5276.8	5276.8	5276.8	5276.8	5276.8	5276.8	5276.8
2.5°	5336.1	5333.5	5336.1	5338.7	5336.1	5333.5	5336.1	5338.7	5328.3	5325.8	5330.8
5°	5449.4	5449.4	5454.6	5457.1	5454.6	5449.4	5449.4	5439.1	5431.4	5423.6	5421.2
7.5°	5547.3	5552.5	5557.6	5560.2	5557.6	5552.5	5547.3	5531.8	5516.3	5503.5	5493.2
10°	5606.6	5614.3	5624.6	5629.7	5624.6	5614.3	5606.6	5588.5	5567.9	5547.3	5531.8
12.5°	5632.4	5640.1	5653.0	5650.4	5653.0	5640.1	5632.4	5606.6	5583.4	5555.0	5531.8
15°	5614.3	5624.6	5637.4	5642.7	5637.4	5624.6	5614.3	5588.5	5567.9	5537.1	5513.8
17.5°	5557.6	5573.1	5580.8	5588.5	5580.8	5573.1	5557.6	5537.1	5508.7	5482.9	5459.7
20°	5480.2	5490.7	5501.0	5503.5	5501.0	5490.7	5480.2	5457.1	5413.3	5408.2	5390.1
22.5°	5369.6	5377.3	5400.4	5392.7	5400.4	5377.3	5369.6	5348.9	5333.5	5305.1	5287.1
25°	5209.7	5217.5	5220.2	5222.6	5220.2	5217.5	5209.7	5191.7	5176.3	5155.7	5145.4
27.5°	4934.1	4934.1	4939.2	4941.8	4939.2	4934.1	4934.1	4921.2	4910.9	4900.6	4890.4
30°	4516.7	4516.7	4516.7	4529.6	4516.7	4516.7	4516.7	4514.2	4514.2	4516.7	4516.7
32.5°	4034.9	4029.7	4024.6	4029.7	4024.6	4029.7	4034.9	4037.4	4034.9	4042.7	4055.4
35°	3488.7	3486.1	3493.8	3483.5	3493.8	3486.1	3488.7	3488.7	3499.0	3509.3	3511.9
37.5°	2965.6	2960.4	2970.8	2960.4	2970.8	2960.4	2965.6	2963.0	2960.4	2965.6	2957.9
40°	2468.3	2473.5	2473.5	2494.1	2473.5	2473.5	2468.3	2463.2	2445.1	2434.8	2424.6
42.5°	1991.7	2007.2	2002.0	2017.5	2002.0	2007.2	1991.7	1981.4	1960.7	1942.7	1927.3
45°	1540.7	1551.1	1551.1	1556.2	1551.1	1551.1	1540.7	1530.5	1512.5	1497.0	1486.7
47.5°	1182.5	1182.5	1182.5	1185.2	1182.5	1182.5	1182.5	1164.6	1159.5	1149.1	1136.2
50°	899.3	901.7	904.4	907.0	904.4	901.7	899.3	894.0	891.5	886.3	883.7
52.5°	690.5	693.0	688.0	693.0	688.0	693.0	690.5	693.0	685.3	685.3	682.8
55°	523.1	520.5	523.1	525.6	523.1	520.5	523.1	523.1	520.5	520.5	520.5
57.5°	383.9	378.7	378.7	378.7	378.7	378.7	383.9	381.4	389.1	383.9	386.4
60°	286.1	288.5	288.5	291.1	288.5	288.5	286.1	291.1	291.1	293.8	293.8
62.5°	211.3	219.0	213.8	219.0	213.8	219.0	211.3	213.8	213.8	216.5	219.0
65°	136.6	136.6	136.6	139.1	136.6	136.6	136.6	139.1	141.7	139.1	146.9
67.5°	92.8	95.4	100.6	97.9	100.6	95.4	92.8	95.4	95.4	103.1	100.6
70°	74.8	67.0	67.0	74.8	67.0	67.0	74.8	69.6	67.0	72.1	69.6
72.5°	43.8	38.6	43.8	43.8	43.8	38.6	43.8	38.6	41.3	41.3	46.3
75°	23.2	20.6	18.0	25.8	18.0	20.6	23.2	23.2	23.2	23.2	25.8
77.5°	15.5	12.8	18.0	18.0	18.0	12.8	15.5	12.8	15.5	12.8	15.5
80°	7.7	10.3	7.7	12.8	7.7	10.3	7.7	12.8	7.7	10.3	10.3
82.5°	2.6	5.2	5.2	5.2	5.2	5.2	2.6	2.6	5.2	5.2	2.6
85°	0.0	5.2	2.6	2.6	2.6	5.2	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: P249077

CATALOG NUMBER: LD8B100D010 ER8B100930 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	5276.8	5276.8	5276.8	5276.8	5276.8	5276.8	5276.8	5276.8	5276.8	5276.8	5276.8
2.5°	5330.8	5323.1	5325.8	5310.3	5310.3	5305.1	5307.7	5294.8	5289.7	5284.5	5292.2
5°	5408.2	5395.4	5384.9	5361.9	5348.9	5333.5	5325.8	5305.1	5287.1	5271.6	5269.0
7.5°	5470.0	5441.7	5423.6	5392.7	5369.6	5351.5	5325.8	5297.3	5274.2	5253.6	5238.2
10°	5495.8	5467.5	5439.1	5400.4	5374.6	5341.1	5315.3	5279.3	5248.4	5220.2	5202.0
12.5°	5498.3	5462.3	5436.5	5392.7	5359.2	5323.1	5294.8	5253.6	5217.5	5189.2	5160.9
15°	5475.2	5441.7	5410.7	5364.3	5330.8	5297.3	5263.9	5220.2	5186.6	5153.1	5132.5
17.5°	5423.6	5392.7	5356.6	5312.9	5281.9	5251.0	5214.9	5178.9	5140.1	5104.1	5078.4
20°	5356.6	5323.1	5292.2	5248.4	5222.6	5189.2	5155.7	5117.0	5086.1	5050.0	5021.7
22.5°	5256.1	5225.2	5197.0	5171.2	5129.9	5104.1	5081.0	5037.2	5006.3	4972.8	4941.8
25°	5111.9	5081.0	5057.7	5026.8	5008.7	4980.5	4957.2	4918.6	4890.4	4859.3	4833.5
27.5°	4874.8	4856.8	4843.8	4825.8	4810.4	4797.5	4784.7	4753.7	4733.1	4704.8	4679.1
30°	4519.2	4516.7	4509.0	4501.2	4511.5	4511.5	4511.5	4506.4	4488.4	4467.7	4449.7
32.5°	4063.2	4068.4	4078.6	4086.4	4107.0	4130.2	4150.8	4161.0	4161.0	4148.3	4140.5
35°	3519.6	3527.3	3542.8	3563.3	3589.1	3617.5	3663.8	3674.2	3681.8	3681.8	3671.5
37.5°	2955.3	2952.7	2968.2	2986.2	3001.7	3022.3	3055.8	3063.6	3076.4	3071.3	3060.9
40°	2406.5	2393.6	2388.4	2393.6	2411.6	2403.9	2411.6	2406.5	2406.5	2388.4	2388.4
42.5°	1898.9	1883.5	1873.1	1865.5	1865.5	1847.3	1834.5	1821.6	1813.9	1801.0	1798.4
45°	1463.6	1445.4	1432.5	1427.4	1419.7	1396.5	1381.1	1365.5	1347.6	1342.4	1345.0
47.5°	1136.2	1118.2	1113.0	1100.1	1087.3	1074.4	1064.2	1046.1	1043.4	1033.1	1043.4
50°	875.9	870.9	863.2	858.0	850.3	840.0	829.7	819.3	814.2	814.2	816.8
52.5°	680.2	682.8	675.1	667.3	662.2	662.2	649.3	646.7	646.7	636.4	646.7
55°	520.5	517.9	520.5	515.3	515.3	507.6	507.6	499.9	499.9	492.1	497.3
57.5°	381.4	386.4	381.4	383.9	389.1	381.4	378.7	370.9	376.2	370.9	373.6
60°	296.3	296.3	296.3	293.8	293.8	291.1	291.1	288.5	288.5	283.4	288.5
62.5°	219.0	221.5	221.5	221.5	224.2	221.5	219.0	221.5	219.0	219.0	221.5
65°	144.4	146.9	146.9	144.4	149.4	144.4	146.9	149.4	152.0	149.4	152.0
67.5°	97.9	97.9	100.6	103.1	100.6	103.1	105.6	103.1	105.6	110.9	105.6
70°	72.1	74.8	74.8	72.1	69.6	72.1	69.6	77.3	77.3	77.3	82.4
72.5°	46.3	46.3	43.8	43.8	43.8	43.8	43.8	51.6	46.3	43.8	49.0
75°	25.8	28.4	28.4	20.6	23.2	28.4	20.6	23.2	30.9	25.8	30.9
77.5°	15.5	15.5	15.5	15.5	15.5	15.5	20.6	18.0	18.0	18.0	20.6
80°	12.8	10.3	10.3	7.7	10.3	10.3	10.3	15.5	12.8	12.8	15.5
82.5°	5.2	5.2	2.6	0.0	5.2	5.2	5.2	5.2	5.2	5.2	10.3
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	5.2	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: P249077

CATALOG NUMBER: LD8B100D010 ER8B100930 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	5276.8	5276.8	5276.8	5276.8	5276.8	5276.8	5276.8	5276.8	5276.8	5276.8	5276.8
2.5°	5271.6	5271.6	5269.0	5263.9	5253.6	5253.6	5251.0	5243.3	5238.2	5235.5	5235.5
5°	5245.8	5235.5	5225.2	5197.0	5197.0	5191.7	5176.3	5165.9	5160.9	5148.0	5142.8
7.5°	5222.6	5191.7	5173.6	5155.7	5132.5	5122.2	5104.1	5096.4	5078.4	5065.5	5057.7
10°	5165.9	5145.4	5122.2	5093.8	5075.8	5055.3	5034.5	5019.2	4996.0	4983.0	4972.8
12.5°	5127.3	5096.4	5075.8	5044.8	5014.0	4996.0	4967.6	4949.6	4926.3	4900.6	4885.1
15°	5091.2	5057.7	5029.5	4996.0	4962.4	4941.8	4908.3	4887.8	4854.3	4828.5	4810.4
17.5°	5037.2	5008.7	4977.9	4936.7	4905.8	4880.0	4843.8	4818.2	4787.2	4753.7	4735.7
20°	4980.5	4947.0	4916.0	4874.8	4843.8	4813.0	4776.9	4748.7	4712.5	4681.6	4661.0
22.5°	4905.8	4867.0	4841.3	4800.0	4764.0	4730.6	4697.1	4663.6	4630.1	4604.3	4581.1
25°	4797.5	4756.3	4727.9	4694.4	4661.0	4635.2	4594.0	4573.5	4539.9	4516.7	4493.4
27.5°	4642.8	4612.0	4586.2	4552.7	4524.5	4503.8	4472.9	4452.3	4423.9	4403.3	4385.2
30°	4416.3	4390.5	4367.3	4333.8	4313.2	4295.1	4266.8	4248.7	4228.1	4204.9	4199.8
32.5°	4112.2	4091.5	4068.4	4045.1	4029.7	4019.5	3996.1	3985.9	3965.3	3952.4	3939.5
35°	3653.6	3635.5	3622.6	3612.4	3607.2	3609.7	3604.6	3614.9	3620.0	3617.5	3620.0
37.5°	3053.3	3042.8	3048.1	3055.8	3081.6	3115.1	3146.0	3192.3	3223.2	3254.3	3282.5
40°	2383.4	2391.1	2411.6	2458.0	2525.1	2599.8	2669.3	2757.0	2844.5	2906.4	2963.0
42.5°	1798.4	1821.6	1873.1	1940.1	2040.7	2151.4	2259.7	2388.4	2494.1	2597.1	2669.3
45°	1352.7	1383.5	1450.6	1543.4	1654.1	1783.0	1919.6	2063.8	2190.1	2295.7	2375.6
47.5°	1053.9	1082.2	1149.1	1247.1	1383.5	1517.6	1659.3	1808.7	1940.1	2043.2	2112.7
50°	832.2	868.2	927.5	1030.6	1167.2	1308.9	1455.8	1602.6	1726.3	1813.9	1875.8
52.5°	654.4	688.0	744.6	852.9	992.0	1133.7	1270.2	1414.5	1522.7	1607.7	1649.0
55°	507.6	538.5	597.7	688.0	819.3	958.5	1095.0	1218.8	1319.2	1381.1	1419.7
57.5°	386.4	409.7	451.0	541.1	659.6	788.4	904.4	1028.1	1105.4	1149.1	1174.8
60°	293.8	311.8	355.6	425.2	533.4	644.1	742.1	834.8	896.7	932.8	958.5
62.5°	221.5	242.2	273.1	332.4	414.8	505.0	587.4	657.0	708.6	731.8	749.8
65°	152.0	167.5	190.7	237.0	306.6	370.9	435.5	487.0	520.5	546.3	556.6
67.5°	113.3	123.6	136.6	172.6	221.5	273.1	316.9	352.9	389.1	399.4	417.5
70°	85.1	92.8	105.6	131.4	159.7	195.7	231.9	252.6	278.2	296.3	301.5
72.5°	54.0	56.6	69.6	85.1	108.2	131.4	154.6	172.6	188.1	198.4	203.5
75°	30.9	46.3	46.3	61.9	77.3	87.6	103.1	115.9	123.6	131.4	131.4
77.5°	20.6	28.4	30.9	38.6	46.3	59.3	72.1	79.8	87.6	90.1	90.1
80°	18.0	20.6	20.6	28.4	33.5	43.8	51.6	54.0	59.3	61.9	67.0
82.5°	7.7	10.3	12.8	20.6	23.2	23.2	30.9	33.5	38.6	41.3	41.3
85°	2.6	5.2	5.2	7.7	12.8	15.5	18.0	20.6	23.2	23.2	25.8
87.5°	2.6	2.6	0.0	2.6	5.2	5.2	10.3	10.3	10.3	15.5	15.5
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: P249077

CATALOG NUMBER: LD8B100D010 ER8B100930 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	5276.8	5276.8	5276.8	5276.8	5276.8	5276.8	5276.8
2.5°	5230.5	5232.9	5222.6	5220.2	5214.9	5217.5	5222.6
5°	5135.1	5137.7	5127.3	5117.0	5117.0	5114.5	5117.0
7.5°	5044.8	5047.5	5031.9	5026.8	5016.5	5019.2	5019.2
10°	4954.7	4954.7	4931.6	4928.9	4921.2	4918.6	4918.6
12.5°	4867.0	4859.3	4841.3	4831.1	4836.2	4820.7	4820.7
15°	4789.8	4776.9	4753.7	4746.0	4733.1	4727.9	4727.9
17.5°	4709.9	4699.7	4679.1	4663.6	4648.1	4645.5	4648.1
20°	4632.6	4622.3	4596.5	4586.2	4573.5	4573.5	4568.2
22.5°	4555.3	4545.0	4521.9	4514.2	4496.1	4496.1	4498.7
25°	4475.5	4467.7	4442.0	4436.8	4434.2	4423.9	4429.1
27.5°	4367.3	4362.0	4341.5	4333.8	4323.5	4320.9	4326.1
30°	4168.9	4161.0	4145.7	4137.9	4119.9	4122.5	4127.5
32.5°	3921.5	3911.3	3890.5	3882.8	3867.4	3862.2	3864.8
35°	3612.4	3604.6	3586.6	3586.6	3571.2	3565.9	3571.2
37.5°	3298.0	3305.7	3298.0	3305.7	3298.0	3295.4	3298.0
40°	3001.7	3030.1	3035.1	3063.6	3053.3	3068.6	3066.0
42.5°	2718.2	2764.6	2782.8	2805.9	2800.7	2811.0	2818.8
45°	2432.2	2470.9	2489.0	2504.4	2507.0	2512.2	2514.7
47.5°	2161.6	2192.7	2195.1	2213.2	2210.7	2210.7	2218.5
50°	1909.3	1929.8	1935.0	1947.8	1937.5	1932.4	1935.0
52.5°	1674.8	1695.4	1690.1	1695.4	1682.5	1677.4	1679.9
55°	1435.1	1445.4	1445.4	1445.4	1430.1	1430.1	1430.1
57.5°	1190.4	1193.0	1187.8	1190.4	1187.8	1172.3	1169.8
60°	966.3	966.3	963.6	966.3	958.5	950.7	950.7
62.5°	754.9	760.0	770.4	760.0	754.9	760.0	752.3
65°	564.3	574.6	571.9	577.1	574.6	574.6	569.4
67.5°	425.2	427.7	430.2	432.9	432.9	432.9	432.9
70°	311.8	319.5	316.9	316.9	316.9	316.9	332.4
72.5°	208.7	219.0	216.5	221.5	221.5	226.8	221.5
75°	141.7	152.0	146.9	154.6	152.0	146.9	159.7
77.5°	95.4	100.6	103.1	105.6	103.1	100.6	103.1
80°	67.0	72.1	69.6	72.1	72.1	72.1	74.8
82.5°	41.3	49.0	46.3	49.0	46.3	49.0	49.0
85°	28.4	30.9	25.8	30.9	28.4	28.4	33.5
87.5°	18.0	15.5	15.5	18.0	15.5	18.0	15.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)