

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: P249041

Luminaire Tested: **LD8B100D010 ER8B100935 8LBSW0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P249041
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 8LBSW0MW
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
90 CRI 3500 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9179.0 lumens
Efficiency: N/A
Efficacy: 86.3 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

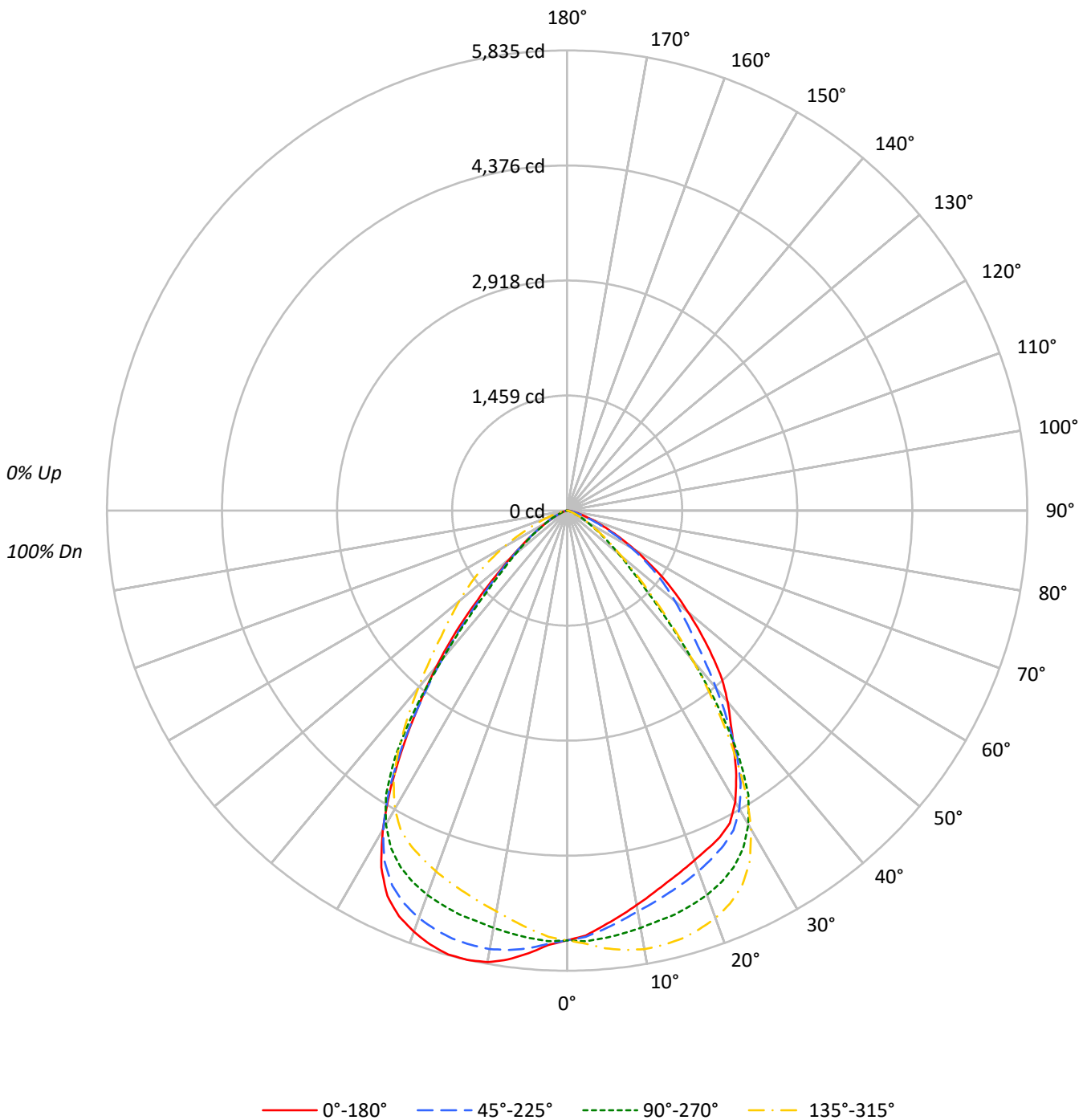
Input Watts (W): 106.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	168036	168036	168036	168036
5°	163571	168431	174445	168431
10°	159046	168211	182042	168211
15°	155869	169207	186025	169207
20°	154810	170177	186503	170177
25°	155623	169835	183506	169835
30°	151774	163616	166558	163616
35°	138828	142732	135421	142732
40°	127456	99286	103682	99286
45°	113249	60569	70084	60569
50°	95859	40460	44931	40460
55°	79395	27607	29182	27607
60°	60550	18378	18539	18378
65°	42903	11448	10485	11448
70°	30943	7673	6960	7673
75°	19647	3813	3169	3813
80°	13709	2841	2362	2841
85°	12242	0	920	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	518.7	5.7
10°-20°	1502.0	16.4
20°-30°	2274.3	24.8
30°-40°	2279.4	24.8
40°-50°	1431.4	15.6
50°-60°	762.8	8.3
60°-70°	313.7	3.4
70°-80°	82.9	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°	4294.9	46.8
0°-40°	6574.3	71.6
0°-60°	8768.5	95.5
0°-90°	9179.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9179.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	5449	5449	5449	5449	5449	
5°	5284	5441	5636	5441	5284	498
15°	4882	5300	5827	5300	4882	1381
25°	4574	4992	5393	4992	4574	2098
35°	3688	3792	3597	3792	3688	2310
45°	2597	1389	1607	1389	2597	1997
55°	1477	514	543	514	1477	1317
65°	588	157	144	157	588	610
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°	5449.3	5449.3	5449.3	5449.3	5449.3	5449.3	5449.3	5449.3	5449.3	5449.3	5449.3
2.5°	5393.4	5388.1	5385.4	5390.8	5393.4	5404.0	5401.4	5406.7	5406.7	5409.4	5414.7
5°	5284.3	5281.6	5284.3	5284.3	5295.0	5305.6	5303.0	5311.0	5316.2	5329.6	5334.8
7.5°	5183.3	5183.3	5180.5	5191.1	5196.5	5212.5	5209.8	5223.1	5231.1	5244.4	5263.0
10°	5079.4	5079.4	5082.1	5090.1	5092.8	5116.7	5116.7	5135.3	5145.9	5159.3	5183.3
12.5°	4978.3	4978.3	4994.3	4989.0	4999.6	5018.2	5026.2	5044.8	5060.8	5087.4	5111.4
15°	4882.5	4882.5	4887.9	4901.1	4909.1	4933.1	4946.4	4967.7	4986.3	5013.0	5047.6
17.5°	4800.0	4797.4	4800.0	4816.0	4832.0	4853.3	4863.9	4890.5	4909.1	4943.7	4975.7
20°	4717.6	4722.9	4722.9	4736.2	4746.8	4773.4	4784.1	4813.4	4834.7	4866.5	4903.9
22.5°	4645.7	4643.1	4643.1	4661.7	4669.7	4693.6	4704.2	4730.8	4754.8	4781.4	4816.0
25°	4573.9	4568.5	4579.3	4581.9	4587.1	4613.8	4621.7	4640.4	4664.4	4688.3	4722.9
27.5°	4467.4	4462.2	4464.8	4475.4	4483.4	4504.7	4510.0	4528.7	4547.3	4568.5	4597.9
30°	4262.5	4257.3	4254.6	4273.3	4281.2	4297.1	4305.1	4337.1	4342.4	4366.3	4387.6
32.5°	3991.1	3988.5	3993.9	4009.7	4017.7	4039.1	4049.7	4068.3	4081.6	4095.0	4116.2
35°	3687.9	3682.5	3687.9	3703.9	3703.9	3722.5	3730.5	3738.4	3735.7	3738.4	3733.1
37.5°	3405.9	3403.1	3405.9	3413.7	3405.9	3413.7	3405.9	3389.9	3360.6	3328.6	3296.7
40°	3166.3	3169.0	3153.1	3163.7	3134.4	3129.1	3099.9	3059.9	3001.4	2937.5	2847.1
42.5°	2910.9	2902.9	2892.3	2897.6	2873.7	2855.0	2807.1	2756.6	2682.0	2575.7	2466.5
45°	2596.9	2594.3	2588.9	2586.3	2570.3	2551.7	2511.7	2453.3	2370.8	2261.7	2131.3
47.5°	2290.9	2282.9	2282.9	2285.6	2267.0	2264.3	2232.3	2181.9	2110.0	2003.6	1867.9
50°	1998.2	1995.6	2000.9	2011.6	1998.2	1992.9	1971.7	1937.1	1873.2	1782.8	1655.0
52.5°	1734.8	1732.2	1737.5	1750.8	1745.4	1750.8	1729.5	1702.9	1660.3	1572.5	1460.8
55°	1476.8	1476.8	1476.8	1492.6	1492.6	1492.6	1482.0	1466.1	1426.2	1362.3	1258.6
57.5°	1208.0	1210.6	1226.6	1229.3	1226.6	1232.0	1229.3	1213.3	1186.8	1141.5	1061.7
60°	981.8	981.8	989.8	997.8	995.1	997.8	997.8	989.8	963.2	926.0	862.1
62.5°	776.9	784.9	779.6	784.9	795.6	784.9	779.6	774.3	755.7	731.7	678.5
65°	588.0	593.4	593.4	596.0	590.6	593.4	582.8	574.8	564.1	537.5	502.9
67.5°	447.1	447.1	447.1	447.1	444.3	441.7	439.1	431.1	412.5	401.8	364.5
70°	343.2	327.2	327.2	327.2	327.2	330.0	322.0	311.4	306.0	287.4	260.8
72.5°	228.8	234.2	228.8	228.8	223.5	226.2	215.5	210.2	204.9	194.3	178.3
75°	164.9	151.7	156.9	159.7	151.7	156.9	146.3	135.7	135.7	127.7	119.7
77.5°	106.5	103.8	106.5	109.1	106.5	103.8	98.5	93.1	93.1	90.5	82.5
80°	77.2	74.5	74.5	74.5	71.8	74.5	69.2	69.2	63.9	61.2	55.9
82.5°	50.6	50.6	47.9	50.6	47.9	50.6	42.6	42.6	42.6	39.9	34.6
85°	34.6	29.2	29.2	32.0	26.6	32.0	29.2	26.6	24.0	24.0	21.2
87.5°	16.0	18.6	16.0	18.6	16.0	16.0	18.6	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°	5449.3	5449.3	5449.3	5449.3	5449.3	5449.3	5449.3	5449.3	5449.3	5449.3	5449.3
2.5°	5422.7	5425.3	5425.3	5436.0	5441.3	5443.9	5443.9	5465.3	5457.3	5462.6	5467.9
5°	5345.6	5361.4	5366.8	5366.8	5396.1	5406.7	5417.3	5441.3	5443.9	5459.9	5478.5
7.5°	5271.0	5289.6	5300.3	5324.2	5342.8	5361.4	5393.4	5409.4	5425.3	5446.7	5470.5
10°	5199.1	5220.5	5241.7	5260.4	5289.6	5313.6	5334.8	5372.1	5390.8	5420.0	5451.9
12.5°	5130.0	5159.3	5177.9	5209.8	5241.7	5263.0	5295.0	5329.6	5358.8	5388.1	5425.3
15°	5068.8	5103.4	5124.7	5159.3	5193.9	5223.1	5257.7	5300.3	5321.6	5356.2	5390.8
17.5°	5002.2	5039.6	5066.2	5098.1	5140.7	5172.5	5201.9	5244.4	5271.0	5308.2	5348.2
20°	4933.1	4970.4	5002.2	5034.2	5076.8	5108.7	5143.3	5185.9	5215.1	5252.4	5284.3
22.5°	4850.6	4885.3	4919.8	4957.0	4999.6	5026.2	5066.2	5103.4	5135.3	5169.9	5201.9
25°	4744.2	4786.8	4813.4	4847.9	4882.5	4911.8	4954.4	4991.6	5018.2	5050.2	5079.4
27.5°	4619.1	4651.1	4672.3	4701.6	4736.2	4762.8	4794.7	4832.0	4858.6	4887.9	4909.1
30°	4406.2	4435.6	4454.2	4475.4	4510.0	4534.0	4560.6	4595.1	4613.8	4635.1	4653.7
32.5°	4126.8	4150.8	4161.4	4177.4	4201.4	4225.3	4246.6	4275.9	4283.9	4297.1	4297.1
35°	3722.5	3727.7	3725.1	3730.5	3741.1	3754.3	3773.0	3791.6	3802.2	3802.2	3794.3
37.5°	3248.8	3216.9	3182.3	3155.7	3147.7	3142.4	3153.1	3161.0	3171.7	3177.0	3163.7
40°	2756.6	2684.8	2607.6	2538.3	2490.5	2469.2	2461.2	2466.5	2466.5	2485.1	2485.1
42.5°	2333.5	2221.7	2107.4	2003.6	1934.3	1881.2	1857.2	1857.2	1859.9	1873.2	1881.2
45°	1982.3	1841.3	1708.2	1593.8	1498.0	1428.8	1396.9	1388.9	1386.3	1391.6	1410.2
47.5°	1713.6	1567.2	1428.8	1287.8	1186.8	1117.5	1088.3	1077.6	1066.9	1077.6	1080.3
50°	1503.4	1351.7	1205.4	1064.3	957.9	896.6	859.4	843.4	840.8	840.8	846.2
52.5°	1311.7	1170.8	1024.5	880.8	768.9	710.5	675.8	667.9	657.2	667.9	667.9
55°	1130.8	989.8	846.2	710.5	617.3	556.1	524.2	513.5	508.2	516.2	516.2
57.5°	934.0	814.2	681.2	558.8	465.7	423.1	399.1	385.8	383.1	388.5	383.1
60°	766.3	665.2	550.8	439.1	367.2	322.0	303.4	298.0	292.6	298.0	298.0
62.5°	606.6	521.5	428.3	343.2	282.0	250.1	228.8	228.8	226.2	226.2	228.8
65°	449.7	383.1	316.6	244.8	196.9	172.9	156.9	156.9	154.3	156.9	154.3
67.5°	327.2	282.0	228.8	178.3	141.1	127.7	117.1	109.1	114.4	109.1	106.5
70°	239.5	202.2	164.9	135.7	109.1	95.8	87.8	85.1	79.8	79.8	79.8
72.5°	159.7	135.7	111.7	87.8	71.8	58.5	55.9	50.6	45.2	47.9	53.2
75°	106.5	90.5	79.8	63.9	47.9	47.9	32.0	32.0	26.6	32.0	24.0
77.5°	74.5	61.2	47.9	39.9	32.0	29.2	21.2	21.2	18.6	18.6	18.6
80°	53.2	45.2	34.6	29.2	21.2	21.2	18.6	16.0	13.3	13.3	16.0
82.5°	32.0	24.0	24.0	21.2	13.3	10.6	8.0	10.6	5.4	5.4	5.4
85°	18.6	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°	5449.3	5449.3	5449.3	5449.3	5449.3	5449.3	5449.3	5449.3	5449.3	5449.3	5449.3
2.5°	5481.3	5478.5	5483.9	5483.9	5499.9	5497.1	5505.1	5505.1	5499.9	5502.5	5513.1
5°	5499.9	5507.9	5523.8	5537.1	5561.0	5571.7	5585.0	5598.3	5601.0	5609.0	5617.0
7.5°	5499.9	5526.5	5545.1	5569.0	5601.0	5619.6	5648.8	5672.8	5683.4	5696.7	5712.7
10°	5489.1	5515.8	5550.4	5577.0	5617.0	5646.2	5675.4	5712.7	5728.7	5749.9	5771.3
12.5°	5467.9	5497.1	5534.4	5569.0	5614.2	5640.8	5678.1	5712.7	5736.7	5765.9	5789.9
15°	5436.0	5470.5	5505.1	5539.7	5587.6	5619.6	5654.2	5694.1	5718.0	5749.9	5771.3
17.5°	5385.4	5422.7	5454.6	5486.5	5531.8	5569.0	5601.0	5638.2	5662.2	5688.8	5718.0
20°	5324.2	5358.8	5393.4	5420.0	5465.3	5497.1	5531.8	5566.4	5585.0	5590.3	5635.6
22.5°	5247.1	5271.0	5297.6	5340.2	5366.8	5396.1	5428.0	5459.9	5478.5	5507.9	5523.8
25°	5119.3	5143.3	5172.5	5191.1	5223.1	5247.1	5279.0	5313.6	5324.2	5345.6	5361.4
27.5°	4941.1	4954.4	4967.7	4983.6	5002.2	5015.6	5034.2	5050.2	5060.8	5071.4	5082.1
30°	4659.0	4659.0	4659.0	4648.4	4656.4	4664.4	4667.0	4664.4	4664.4	4661.7	4661.7
32.5°	4286.5	4265.3	4241.3	4220.0	4212.0	4201.4	4196.0	4188.0	4174.8	4166.8	4169.4
35°	3783.6	3735.7	3706.5	3679.9	3658.6	3642.6	3634.6	3626.6	3624.0	3613.4	3602.7
37.5°	3155.7	3121.1	3099.9	3083.9	3065.2	3049.3	3051.9	3054.6	3062.5	3057.3	3059.9
40°	2490.5	2482.5	2490.5	2471.9	2466.5	2471.9	2485.1	2503.8	2514.5	2525.1	2543.7
42.5°	1894.5	1907.7	1926.5	1926.5	1934.3	1945.1	1961.0	1990.3	2006.2	2024.8	2046.2
45°	1426.2	1442.2	1466.1	1474.0	1479.4	1492.6	1511.4	1535.3	1545.9	1561.9	1580.5
47.5°	1098.9	1109.5	1122.8	1136.2	1149.4	1154.8	1173.4	1173.4	1186.8	1197.4	1202.6
50°	856.8	867.4	878.0	886.0	891.4	899.4	904.6	912.6	915.3	920.6	923.3
52.5°	670.5	683.8	683.8	689.1	697.1	705.1	702.5	705.1	707.7	707.7	715.7
55°	524.2	524.2	532.2	532.2	537.5	534.8	537.5	537.5	537.5	537.5	540.2
57.5°	391.1	393.8	401.8	396.5	393.8	399.1	393.8	399.1	396.5	401.8	393.8
60°	300.6	300.6	303.4	303.4	306.0	306.0	306.0	303.4	303.4	300.6	300.6
62.5°	226.2	228.8	231.5	228.8	228.8	228.8	226.2	226.2	223.5	220.8	220.8
65°	151.7	149.1	154.3	149.1	151.7	151.7	149.1	151.7	143.7	146.3	143.7
67.5°	109.1	106.5	103.8	106.5	103.8	101.1	101.1	103.8	106.5	98.5	98.5
70°	71.8	74.5	71.8	74.5	77.2	77.2	74.5	71.8	74.5	69.2	71.8
72.5°	45.2	45.2	45.2	45.2	45.2	47.9	47.9	47.9	42.6	42.6	39.9
75°	21.2	29.2	24.0	21.2	29.2	29.2	26.6	26.6	24.0	24.0	24.0
77.5°	21.2	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: P249041

CATALOG NUMBER: LD8B100D010 ER8B100935 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	5449.3	5449.3	5449.3	5449.3	5449.3	5449.3	5449.3	5449.3	5449.3	5449.3	5449.3
2.5°	5510.5	5507.9	5510.5	5513.1	5510.5	5507.9	5510.5	5513.1	5502.5	5499.9	5505.1
5°	5627.6	5627.6	5632.8	5635.6	5632.8	5627.6	5627.6	5617.0	5609.0	5601.0	5598.3
7.5°	5728.7	5734.0	5739.3	5741.9	5739.3	5734.0	5728.7	5712.7	5696.7	5683.4	5672.8
10°	5789.9	5797.9	5808.5	5813.8	5808.5	5797.9	5789.9	5771.3	5749.9	5728.7	5712.7
12.5°	5816.5	5824.5	5837.7	5835.1	5837.7	5824.5	5816.5	5789.9	5765.9	5736.7	5712.7
15°	5797.9	5808.5	5821.8	5827.1	5821.8	5808.5	5797.9	5771.3	5749.9	5718.0	5694.1
17.5°	5739.3	5755.3	5763.3	5771.3	5763.3	5755.3	5739.3	5718.0	5688.8	5662.2	5638.2
20°	5659.5	5670.2	5680.8	5683.4	5680.8	5670.2	5659.5	5635.6	5590.3	5585.0	5566.4
22.5°	5545.1	5553.1	5577.0	5569.0	5577.0	5553.1	5545.1	5523.8	5507.9	5478.5	5459.9
25°	5380.1	5388.1	5390.8	5393.4	5390.8	5388.1	5380.1	5361.4	5345.6	5324.2	5313.6
27.5°	5095.4	5095.4	5100.7	5103.4	5100.7	5095.4	5095.4	5082.1	5071.4	5060.8	5050.2
30°	4664.4	4664.4	4664.4	4677.7	4664.4	4664.4	4664.4	4661.7	4661.7	4664.4	4664.4
32.5°	4166.8	4161.4	4156.2	4161.4	4156.2	4161.4	4166.8	4169.4	4166.8	4174.8	4188.0
35°	3602.7	3600.0	3608.0	3597.4	3608.0	3600.0	3602.7	3602.7	3613.4	3624.0	3626.6
37.5°	3062.5	3057.3	3067.9	3057.3	3067.9	3057.3	3062.5	3059.9	3057.3	3062.5	3054.6
40°	2549.1	2554.3	2554.3	2575.7	2554.3	2554.3	2549.1	2543.7	2525.1	2514.5	2503.8
42.5°	2056.8	2072.8	2067.4	2083.4	2067.4	2072.8	2056.8	2046.2	2024.8	2006.2	1990.3
45°	1591.1	1601.8	1601.8	1607.1	1601.8	1601.8	1591.1	1580.5	1561.9	1545.9	1535.3
47.5°	1221.3	1221.3	1221.3	1224.0	1221.3	1221.3	1221.3	1202.6	1197.4	1186.8	1173.4
50°	928.6	931.2	934.0	936.6	934.0	931.2	928.6	923.3	920.6	915.3	912.6
52.5°	713.1	715.7	710.5	715.7	710.5	715.7	713.1	715.7	707.7	707.7	705.1
55°	540.2	537.5	540.2	542.8	540.2	537.5	540.2	540.2	537.5	537.5	537.5
57.5°	396.5	391.1	391.1	391.1	391.1	391.1	396.5	393.8	401.8	396.5	399.1
60°	295.4	298.0	298.0	300.6	298.0	298.0	295.4	300.6	300.6	303.4	303.4
62.5°	218.2	226.2	220.8	226.2	220.8	226.2	218.2	220.8	220.8	223.5	226.2
65°	141.1	141.1	141.1	143.7	141.1	141.1	141.1	143.7	146.3	143.7	151.7
67.5°	95.8	98.5	103.8	101.1	103.8	98.5	95.8	98.5	98.5	106.5	103.8
70°	77.2	69.2	69.2	77.2	69.2	69.2	77.2	71.8	69.2	74.5	71.8
72.5°	45.2	39.9	45.2	45.2	45.2	39.9	45.2	39.9	42.6	42.6	47.9
75°	24.0	21.2	18.6	26.6	18.6	21.2	24.0	24.0	24.0	24.0	26.6
77.5°	16.0	13.3	18.6	18.6	18.6	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: P249041

CATALOG NUMBER: LD8B100D010 ER8B100935 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	5449.3	5449.3	5449.3	5449.3	5449.3	5449.3	5449.3	5449.3	5449.3	5449.3	5449.3
2.5°	5505.1	5497.1	5499.9	5483.9	5483.9	5478.5	5481.3	5467.9	5462.6	5457.3	5465.3
5°	5585.0	5571.7	5561.0	5537.1	5523.8	5507.9	5499.9	5478.5	5459.9	5443.9	5441.3
7.5°	5648.8	5619.6	5601.0	5569.0	5545.1	5526.5	5499.9	5470.5	5446.7	5425.3	5409.4
10°	5675.4	5646.2	5617.0	5577.0	5550.4	5515.8	5489.1	5451.9	5420.0	5390.8	5372.1
12.5°	5678.1	5640.8	5614.2	5569.0	5534.4	5497.1	5467.9	5425.3	5388.1	5358.8	5329.6
15°	5654.2	5619.6	5587.6	5539.7	5505.1	5470.5	5436.0	5390.8	5356.2	5321.6	5300.3
17.5°	5601.0	5569.0	5531.8	5486.5	5454.6	5422.7	5385.4	5348.2	5308.2	5271.0	5244.4
20°	5531.8	5497.1	5465.3	5420.0	5393.4	5358.8	5324.2	5284.3	5252.4	5215.1	5185.9
22.5°	5428.0	5396.1	5366.8	5340.2	5297.6	5271.0	5247.1	5201.9	5169.9	5135.3	5103.4
25°	5279.0	5247.1	5223.1	5191.1	5172.5	5143.3	5119.3	5079.4	5050.2	5018.2	4991.6
27.5°	5034.2	5015.6	5002.2	4983.6	4967.7	4954.4	4941.1	4909.1	4887.9	4858.6	4832.0
30°	4667.0	4664.4	4656.4	4648.4	4659.0	4659.0	4659.0	4653.7	4635.1	4613.8	4595.1
32.5°	4196.0	4201.4	4212.0	4220.0	4241.3	4265.3	4286.5	4297.1	4297.1	4283.9	4275.9
35°	3634.6	3642.6	3658.6	3679.9	3706.5	3735.7	3783.6	3794.3	3802.2	3802.2	3791.6
37.5°	3051.9	3049.3	3065.2	3083.9	3099.9	3121.1	3155.7	3163.7	3177.0	3171.7	3161.0
40°	2485.1	2471.9	2466.5	2471.9	2490.5	2482.5	2490.5	2485.1	2485.1	2466.5	2466.5
42.5°	1961.0	1945.1	1934.3	1926.5	1926.5	1907.7	1894.5	1881.2	1873.2	1859.9	1857.2
45°	1511.4	1492.6	1479.4	1474.0	1466.1	1442.2	1426.2	1410.2	1391.6	1386.3	1388.9
47.5°	1173.4	1154.8	1149.4	1136.2	1122.8	1109.5	1098.9	1080.3	1077.6	1066.9	1077.6
50°	904.6	899.4	891.4	886.0	878.0	867.4	856.8	846.2	840.8	840.8	843.4
52.5°	702.5	705.1	697.1	689.1	683.8	683.8	670.5	667.9	667.9	657.2	667.9
55°	537.5	534.8	537.5	532.2	532.2	524.2	524.2	516.2	516.2	508.2	513.5
57.5°	393.8	399.1	393.8	396.5	401.8	393.8	391.1	383.1	388.5	383.1	385.8
60°	306.0	306.0	306.0	303.4	303.4	300.6	300.6	298.0	298.0	292.6	298.0
62.5°	226.2	228.8	228.8	228.8	231.5	228.8	226.2	228.8	226.2	226.2	228.8
65°	149.1	151.7	151.7	149.1	154.3	149.1	151.7	154.3	156.9	154.3	156.9
67.5°	101.1	101.1	103.8	106.5	103.8	106.5	109.1	106.5	109.1	114.4	109.1
70°	74.5	77.2	77.2	74.5	71.8	74.5	71.8	79.8	79.8	79.8	85.1
72.5°	47.9	47.9	45.2	45.2	45.2	45.2	45.2	53.2	47.9	45.2	50.6
75°	26.6	29.2	29.2	21.2	24.0	29.2	21.2	24.0	32.0	26.6	32.0
77.5°	16.0	16.0	16.0	16.0	16.0	16.0	21.2	18.6	18.6	18.6	21.2
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: P249041

CATALOG NUMBER: LD8B100D010 ER8B100935 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	5449.3	5449.3	5449.3	5449.3	5449.3	5449.3	5449.3	5449.3	5449.3	5449.3	5449.3
2.5°	5443.9	5443.9	5441.3	5436.0	5425.3	5425.3	5422.7	5414.7	5409.4	5406.7	5406.7
5°	5417.3	5406.7	5396.1	5366.8	5366.8	5361.4	5345.6	5334.8	5329.6	5316.2	5311.0
7.5°	5393.4	5361.4	5342.8	5324.2	5300.3	5289.6	5271.0	5263.0	5244.4	5231.1	5223.1
10°	5334.8	5313.6	5289.6	5260.4	5241.7	5220.5	5199.1	5183.3	5159.3	5145.9	5135.3
12.5°	5295.0	5263.0	5241.7	5209.8	5177.9	5159.3	5130.0	5111.4	5087.4	5060.8	5044.8
15°	5257.7	5223.1	5193.9	5159.3	5124.7	5103.4	5068.8	5047.6	5013.0	4986.3	4967.7
17.5°	5201.9	5172.5	5140.7	5098.1	5066.2	5039.6	5002.2	4975.7	4943.7	4909.1	4890.5
20°	5143.3	5108.7	5076.8	5034.2	5002.2	4970.4	4933.1	4903.9	4866.5	4834.7	4813.4
22.5°	5066.2	5026.2	4999.6	4957.0	4919.8	4885.3	4850.6	4816.0	4781.4	4754.8	4730.8
25°	4954.4	4911.8	4882.5	4847.9	4813.4	4786.8	4744.2	4722.9	4688.3	4664.4	4640.4
27.5°	4794.7	4762.8	4736.2	4701.6	4672.3	4651.1	4619.1	4597.9	4568.5	4547.3	4528.7
30°	4560.6	4534.0	4510.0	4475.4	4454.2	4435.6	4406.2	4387.6	4366.3	4342.4	4337.1
32.5°	4246.6	4225.3	4201.4	4177.4	4161.4	4150.8	4126.8	4116.2	4095.0	4081.6	4068.3
35°	3773.0	3754.3	3741.1	3730.5	3725.1	3727.7	3722.5	3733.1	3738.4	3735.7	3738.4
37.5°	3153.1	3142.4	3147.7	3155.7	3182.3	3216.9	3248.8	3296.7	3328.6	3360.6	3389.9
40°	2461.2	2469.2	2490.5	2538.3	2607.6	2684.8	2756.6	2847.1	2937.5	3001.4	3059.9
42.5°	1857.2	1881.2	1934.3	2003.6	2107.4	2221.7	2333.5	2466.5	2575.7	2682.0	2756.6
45°	1396.9	1428.8	1498.0	1593.8	1708.2	1841.3	1982.3	2131.3	2261.7	2370.8	2453.3
47.5°	1088.3	1117.5	1186.8	1287.8	1428.8	1567.2	1713.6	1867.9	2003.6	2110.0	2181.9
50°	859.4	896.6	957.9	1064.3	1205.4	1351.7	1503.4	1655.0	1782.8	1873.2	1937.1
52.5°	675.8	710.5	768.9	880.8	1024.5	1170.8	1311.7	1460.8	1572.5	1660.3	1702.9
55°	524.2	556.1	617.3	710.5	846.2	989.8	1130.8	1258.6	1362.3	1426.2	1466.1
57.5°	399.1	423.1	465.7	558.8	681.2	814.2	934.0	1061.7	1141.5	1186.8	1213.3
60°	303.4	322.0	367.2	439.1	550.8	665.2	766.3	862.1	926.0	963.2	989.8
62.5°	228.8	250.1	282.0	343.2	428.3	521.5	606.6	678.5	731.7	755.7	774.3
65°	156.9	172.9	196.9	244.8	316.6	383.1	449.7	502.9	537.5	564.1	574.8
67.5°	117.1	127.7	141.1	178.3	228.8	282.0	327.2	364.5	401.8	412.5	431.1
70°	87.8	95.8	109.1	135.7	164.9	202.2	239.5	260.8	287.4	306.0	311.4
72.5°	55.9	58.5	71.8	87.8	111.7	135.7	159.7	178.3	194.3	204.9	210.2
75°	32.0	47.9	47.9	63.9	79.8	90.5	106.5	119.7	127.7	135.7	135.7
77.5°	21.2	29.2	32.0	39.9	47.9	61.2	74.5	82.5	90.5	93.1	93.1
80°	18.6	21.2	21.2	29.2	34.6	45.2	53.2	55.9	61.2	63.9	69.2
82.5°	8.0	10.6	13.3	21.2	24.0	24.0	32.0	34.6	39.9	42.6	42.6
85°	2.6	5.4	5.4	8.0	13.3	16.0	18.6	21.2	24.0	24.0	26.6
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: P249041

CATALOG NUMBER: LD8B100D010 ER8B100935 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	5449.3	5449.3	5449.3	5449.3	5449.3	5449.3	5449.3
2.5°	5401.4	5404.0	5393.4	5390.8	5385.4	5388.1	5393.4
5°	5303.0	5305.6	5295.0	5284.3	5284.3	5281.6	5284.3
7.5°	5209.8	5212.5	5196.5	5191.1	5180.5	5183.3	5183.3
10°	5116.7	5116.7	5092.8	5090.1	5082.1	5079.4	5079.4
12.5°	5026.2	5018.2	4999.6	4989.0	4994.3	4978.3	4978.3
15°	4946.4	4933.1	4909.1	4901.1	4887.9	4882.5	4882.5
17.5°	4863.9	4853.3	4832.0	4816.0	4800.0	4797.4	4800.0
20°	4784.1	4773.4	4746.8	4736.2	4722.9	4722.9	4717.6
22.5°	4704.2	4693.6	4669.7	4661.7	4643.1	4643.1	4645.7
25°	4621.7	4613.8	4587.1	4581.9	4579.3	4568.5	4573.9
27.5°	4510.0	4504.7	4483.4	4475.4	4464.8	4462.2	4467.4
30°	4305.1	4297.1	4281.2	4273.3	4254.6	4257.3	4262.5
32.5°	4049.7	4039.1	4017.7	4009.7	3993.9	3988.5	3991.1
35°	3730.5	3722.5	3703.9	3703.9	3687.9	3682.5	3687.9
37.5°	3405.9	3413.7	3405.9	3413.7	3405.9	3403.1	3405.9
40°	3099.9	3129.1	3134.4	3163.7	3153.1	3169.0	3166.3
42.5°	2807.1	2855.0	2873.7	2897.6	2892.3	2902.9	2910.9
45°	2511.7	2551.7	2570.3	2586.3	2588.9	2594.3	2596.9
47.5°	2232.3	2264.3	2267.0	2285.6	2282.9	2282.9	2290.9
50°	1971.7	1992.9	1998.2	2011.6	2000.9	1995.6	1998.2
52.5°	1729.5	1750.8	1745.4	1750.8	1737.5	1732.2	1734.8
55°	1482.0	1492.6	1492.6	1492.6	1476.8	1476.8	1476.8
57.5°	1229.3	1232.0	1226.6	1229.3	1226.6	1210.6	1208.0
60°	997.8	997.8	995.1	997.8	989.8	981.8	981.8
62.5°	779.6	784.9	795.6	784.9	779.6	784.9	776.9
65°	582.8	593.4	590.6	596.0	593.4	593.4	588.0
67.5°	439.1	441.7	444.3	447.1	447.1	447.1	447.1
70°	322.0	330.0	327.2	327.2	327.2	327.2	343.2
72.5°	215.5	226.2	223.5	228.8	228.8	234.2	228.8
75°	146.3	156.9	151.7	159.7	156.9	151.7	164.9
77.5°	98.5	103.8	106.5	109.1	106.5	103.8	106.5
80°	69.2	74.5	71.8	74.5	74.5	74.5	77.2
82.5°	42.6	50.6	47.9	50.6	47.9	50.6	50.6
85°	29.2	32.0	26.6	32.0	29.2	29.2	34.6
87.5°	18.6	16.0	16.0	18.6	16.0	18.6	16.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)