

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: P248636

Luminaire Tested: **LD8B100D010 ER8B100927 8LBSW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248636
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 ER8B100927 8LBSW0H
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
97 CRI 2700 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8520.8 lumens
Efficiency: N/A
Efficacy: 80.2 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

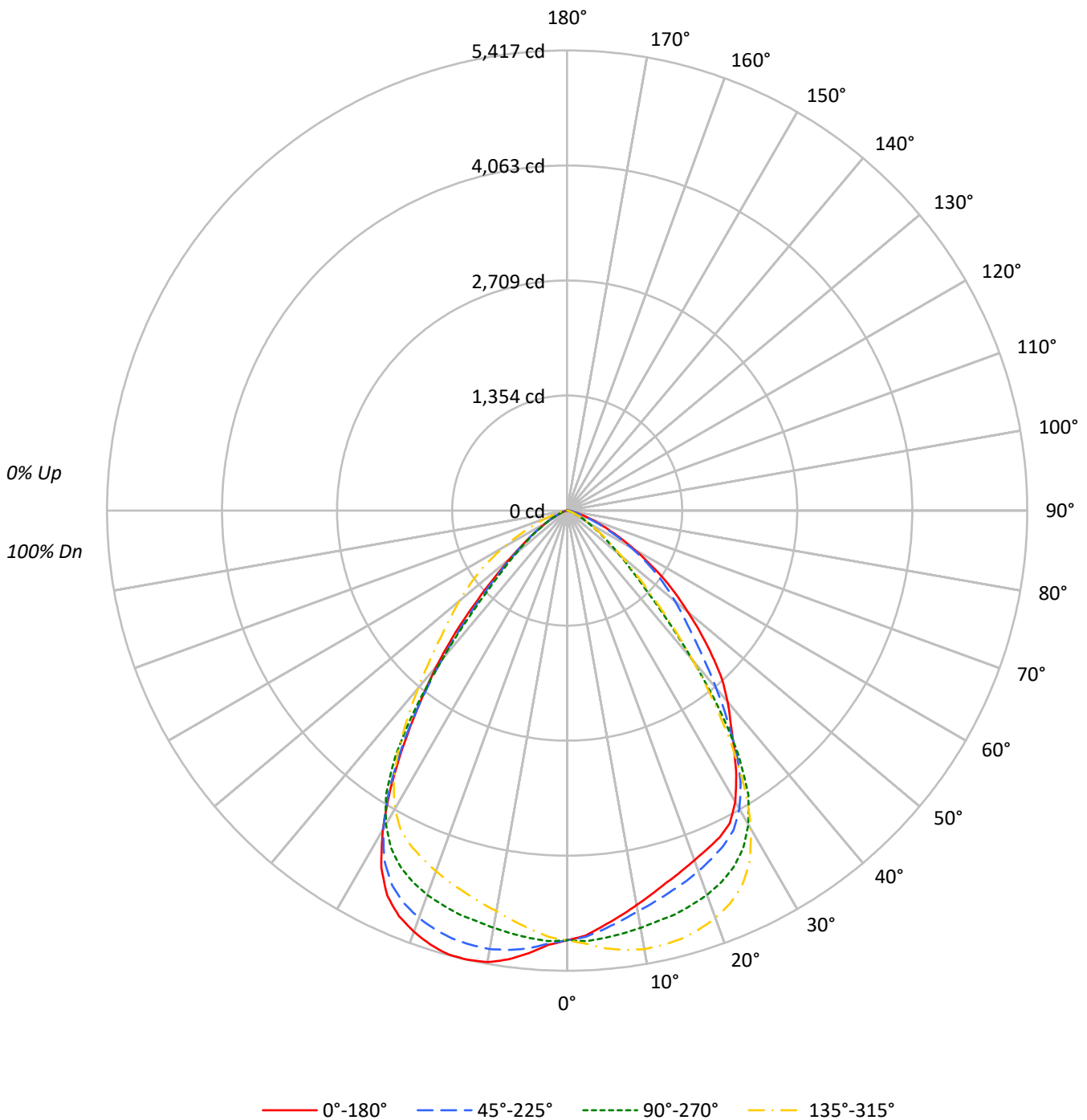
Input Watts (W): 106.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	481.5	5.7
10°-20°	1394.3	16.4
20°-30°	2111.2	24.8
30°-40°	2115.9	24.8
40°-50°	1328.7	15.6
50°-60°	708.1	8.3
60°-70°	291.2	3.4
70°-80°	76.9	0.9
80°-90°	13.0	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°	3986.9	46.8
0°-40°	6102.9	71.6
0°-60°	8139.6	95.5
0°-90°	8520.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8520.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	5058	5058	5058	5058	5058	
5°	4905	5051	5232	5051	4905	463
15°	4532	4920	5409	4920	4532	1282
25°	4246	4634	5007	4634	4246	1947
35°	3423	3520	3339	3520	3423	2145
45°	2411	1289	1492	1289	2411	1854
55°	1371	477	504	477	1371	1222
65°	546	146	133	146	546	566
75°	153	30	25	30	153	173
85°	32	0	2	0	32	35
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°	5058.4	5058.4	5058.4	5058.4	5058.4	5058.4	5058.4	5058.4	5058.4	5058.4	5058.4
2.5°	5006.7	5001.6	4999.3	5004.2	5006.7	5016.5	5014.1	5019.0	5019.0	5021.4	5026.4
5°	4905.3	4902.9	4905.3	4905.3	4915.2	4925.1	4922.7	4930.1	4934.9	4947.4	4952.2
7.5°	4811.5	4811.5	4809.0	4818.8	4823.9	4838.7	4836.2	4848.5	4856.0	4868.3	4885.5
10°	4715.2	4715.2	4717.6	4725.0	4727.6	4749.8	4749.8	4767.1	4776.9	4789.2	4811.5
12.5°	4621.4	4621.4	4636.1	4631.2	4641.1	4658.3	4665.7	4683.0	4697.9	4722.6	4744.9
15°	4532.4	4532.4	4537.3	4549.6	4557.0	4579.3	4591.7	4611.5	4628.8	4653.4	4685.6
17.5°	4455.8	4453.4	4455.8	4470.6	4485.5	4505.3	4515.1	4539.8	4557.0	4589.2	4618.9
20°	4379.3	4384.2	4384.2	4396.5	4406.4	4431.2	4440.9	4468.3	4488.0	4517.6	4552.2
22.5°	4312.6	4310.1	4310.1	4327.4	4334.8	4357.0	4366.9	4391.6	4413.8	4438.6	4470.6
25°	4245.9	4240.9	4250.8	4253.3	4258.2	4282.9	4290.3	4307.6	4329.9	4352.2	4384.2
27.5°	4147.1	4142.1	4144.6	4154.5	4161.9	4181.6	4186.6	4203.9	4221.2	4240.9	4268.1
30°	3956.8	3952.0	3949.5	3966.9	3974.2	3989.0	3996.3	4026.0	4031.0	4053.3	4073.0
32.5°	3705.0	3702.5	3707.4	3722.2	3729.6	3749.4	3759.3	3776.6	3788.9	3801.3	3821.1
35°	3423.4	3418.4	3423.4	3438.2	3438.2	3455.6	3463.0	3470.3	3467.8	3470.3	3465.3
37.5°	3161.6	3159.1	3161.6	3168.9	3161.6	3168.9	3161.6	3146.7	3119.6	3089.9	3060.2
40°	2939.3	2941.8	2926.9	2936.8	2909.6	2904.8	2877.5	2840.4	2786.2	2726.9	2643.0
42.5°	2702.1	2694.7	2684.9	2689.8	2667.6	2650.3	2605.8	2558.9	2489.7	2391.0	2289.6
45°	2410.8	2408.3	2403.3	2400.9	2386.0	2368.7	2331.6	2277.3	2200.7	2099.5	1978.4
47.5°	2126.7	2119.3	2119.3	2121.6	2104.4	2102.0	2072.2	2025.3	1958.7	1859.8	1734.0
50°	1854.9	1852.4	1857.5	1867.3	1854.9	1850.1	1830.3	1798.2	1738.9	1654.9	1536.3
52.5°	1610.4	1608.0	1612.9	1625.3	1620.2	1625.3	1605.5	1580.9	1541.2	1459.7	1356.1
55°	1370.8	1370.8	1370.8	1385.7	1385.7	1385.7	1375.8	1361.0	1323.9	1264.6	1168.3
57.5°	1121.4	1123.8	1138.6	1141.1	1138.6	1143.7	1141.1	1126.2	1101.6	1059.6	985.5
60°	911.5	911.5	918.9	926.3	923.7	926.3	926.3	918.9	894.2	859.6	800.3
62.5°	721.2	728.7	723.7	728.7	738.4	728.7	723.7	718.8	701.6	679.3	629.8
65°	545.8	550.8	550.8	553.3	548.3	550.8	541.0	533.6	523.7	498.9	466.9
67.5°	415.0	415.0	415.0	415.0	412.4	410.1	407.6	400.2	382.8	373.0	338.4
70°	318.6	303.8	303.8	303.8	303.8	306.3	298.9	289.0	284.1	266.7	242.1
72.5°	212.4	217.4	212.4	212.4	207.4	209.9	200.0	195.1	190.2	180.3	165.5
75°	153.1	140.8	145.7	148.3	140.8	145.7	135.8	126.0	126.0	118.6	111.2
77.5°	98.8	96.4	98.8	101.2	98.8	96.4	91.4	86.4	86.4	83.9	76.5
80°	71.7	69.2	69.2	69.2	66.7	69.2	64.2	64.2	59.3	56.8	51.9
82.5°	47.0	47.0	44.4	47.0	44.4	47.0	39.6	39.6	39.6	37.0	32.2
85°	32.2	27.1	27.1	29.7	24.8	29.7	27.1	24.8	22.3	22.3	19.7
87.5°	14.8	17.3	14.8	17.3	14.8	14.8	17.3	14.8	14.8	9.9	9.9
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°	5058.4	5058.4	5058.4	5058.4	5058.4	5058.4	5058.4	5058.4	5058.4	5058.4	5058.4
2.5°	5033.8	5036.3	5036.3	5046.2	5051.0	5053.5	5053.5	5073.3	5065.9	5070.9	5075.8
5°	4962.3	4977.0	4982.0	4982.0	5009.1	5019.0	5028.9	5051.0	5053.5	5068.3	5085.7
7.5°	4893.0	4910.3	4920.2	4942.3	4959.7	4977.0	5006.7	5021.4	5036.3	5056.1	5078.2
10°	4826.2	4846.2	4865.8	4883.2	4910.3	4932.6	4952.2	4986.8	5004.2	5031.3	5060.9
12.5°	4762.1	4789.2	4806.6	4836.2	4865.8	4885.5	4915.2	4947.4	4974.5	5001.6	5036.3
15°	4705.3	4737.5	4757.2	4789.2	4821.4	4848.5	4880.7	4920.2	4940.0	4972.0	5004.2
17.5°	4643.6	4678.2	4702.8	4732.4	4772.0	4801.6	4828.8	4868.3	4893.0	4927.5	4964.6
20°	4579.3	4614.0	4643.6	4673.1	4712.7	4742.3	4774.5	4814.0	4841.1	4875.8	4905.3
22.5°	4502.8	4534.9	4566.9	4601.5	4641.1	4665.7	4702.8	4737.5	4767.1	4799.1	4828.8
25°	4403.9	4443.5	4468.3	4500.2	4532.4	4559.5	4599.1	4633.7	4658.3	4688.0	4715.2
27.5°	4287.8	4317.5	4337.3	4364.4	4396.5	4421.2	4450.8	4485.5	4510.2	4537.3	4557.0
30°	4090.3	4117.5	4134.7	4154.5	4186.6	4208.8	4233.6	4265.6	4282.9	4302.7	4320.0
32.5°	3830.8	3853.1	3863.0	3877.9	3900.2	3922.3	3942.1	3969.2	3976.6	3989.0	3989.0
35°	3455.6	3460.4	3458.0	3463.0	3472.8	3485.1	3502.4	3519.7	3529.6	3529.6	3522.3
37.5°	3015.8	2986.2	2954.1	2929.4	2922.0	2917.0	2926.9	2934.3	2944.2	2949.1	2936.8
40°	2558.9	2492.2	2420.5	2356.3	2311.9	2292.2	2284.8	2289.6	2289.6	2306.9	2306.9
42.5°	2166.2	2062.4	1956.3	1859.8	1795.6	1746.3	1724.1	1724.1	1726.5	1738.9	1746.3
45°	1840.2	1709.2	1585.7	1479.6	1390.6	1326.4	1296.8	1289.4	1286.9	1291.7	1309.0
47.5°	1590.6	1454.9	1326.4	1195.5	1101.6	1037.4	1010.2	1000.2	990.4	1000.2	1002.8
50°	1395.6	1254.7	1118.9	988.0	889.2	832.4	797.7	782.9	780.5	780.5	785.5
52.5°	1217.7	1086.9	951.0	817.6	713.8	659.5	627.4	620.0	610.1	620.0	620.0
55°	1049.7	918.9	785.5	659.5	573.0	516.3	486.6	476.7	471.7	479.1	479.1
57.5°	867.0	755.8	632.4	518.7	432.3	392.7	370.5	358.2	355.6	360.6	355.6
60°	711.3	617.5	511.3	407.6	340.9	298.9	281.6	276.6	271.7	276.6	276.6
62.5°	563.2	484.1	397.6	318.6	261.8	232.2	212.4	212.4	209.9	209.9	212.4
65°	417.5	355.6	294.0	227.2	182.8	160.5	145.7	145.7	143.2	145.7	143.2
67.5°	303.8	261.8	212.4	165.5	131.0	118.6	108.7	101.2	106.2	101.2	98.8
70°	222.3	187.6	153.1	126.0	101.2	89.0	81.6	79.0	74.1	74.1	74.1
72.5°	148.3	126.0	103.7	81.6	66.7	54.3	51.9	47.0	42.0	44.4	49.4
75°	98.8	83.9	74.1	59.3	44.4	44.4	29.7	29.7	24.8	29.7	22.3
77.5°	69.2	56.8	44.4	37.0	29.7	27.1	19.7	19.7	17.3	17.3	17.3
80°	49.4	42.0	32.2	27.1	19.7	19.7	17.3	14.8	12.3	12.3	14.8
82.5°	29.7	22.3	22.3	19.7	12.3	9.9	7.4	9.9	5.0	5.0	5.0
85°	17.3	14.8	12.3	7.4	5.0	5.0	2.5	0.0	2.5	2.5	0.0
87.5°	9.9	5.0	5.0	2.5	0.0	2.5	2.5	0.0	0.0	0.0	5.0
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°	5058.4	5058.4	5058.4	5058.4	5058.4	5058.4	5058.4	5058.4	5058.4	5058.4	5058.4
2.5°	5088.2	5085.7	5090.6	5090.6	5105.5	5102.9	5110.3	5110.3	5105.5	5108.0	5117.7
5°	5105.5	5112.9	5127.6	5140.0	5162.2	5172.2	5184.4	5196.8	5199.3	5206.7	5214.2
7.5°	5105.5	5130.2	5147.4	5169.6	5199.3	5216.6	5243.7	5266.0	5275.9	5288.2	5303.0
10°	5095.5	5120.2	5152.4	5177.0	5214.2	5241.3	5268.5	5303.0	5317.9	5337.6	5357.4
12.5°	5075.8	5102.9	5137.5	5169.6	5211.6	5236.3	5270.8	5303.0	5325.3	5352.4	5374.7
15°	5046.2	5078.2	5110.3	5142.5	5186.9	5216.6	5248.7	5285.7	5308.0	5337.6	5357.4
17.5°	4999.3	5033.8	5063.5	5093.1	5135.1	5169.6	5199.3	5233.8	5256.1	5280.9	5308.0
20°	4942.3	4974.5	5006.7	5031.3	5073.3	5102.9	5135.1	5167.1	5184.4	5189.4	5231.5
22.5°	4870.8	4893.0	4917.7	4957.2	4982.0	5009.1	5038.8	5068.3	5085.7	5112.9	5127.6
25°	4752.2	4774.5	4801.6	4818.8	4848.5	4870.8	4900.4	4932.6	4942.3	4962.3	4977.0
27.5°	4586.7	4599.1	4611.5	4626.2	4643.6	4655.9	4673.1	4688.0	4697.9	4707.8	4717.6
30°	4324.8	4324.8	4324.8	4315.0	4322.5	4329.9	4332.3	4329.9	4329.9	4327.4	4327.4
32.5°	3979.1	3959.4	3937.2	3917.4	3909.9	3900.2	3895.1	3887.7	3875.4	3868.0	3870.4
35°	3512.2	3467.8	3440.7	3416.0	3396.3	3381.4	3374.0	3366.6	3364.1	3354.3	3344.3
37.5°	2929.4	2897.3	2877.5	2862.7	2845.5	2830.6	2833.0	2835.6	2842.9	2838.0	2840.4
40°	2311.9	2304.5	2311.9	2294.5	2289.6	2294.5	2306.9	2324.2	2334.2	2344.0	2361.3
42.5°	1758.6	1771.0	1788.3	1788.3	1795.6	1805.6	1820.4	1847.6	1862.3	1879.6	1899.4
45°	1323.9	1338.8	1361.0	1368.3	1373.3	1385.7	1403.0	1425.1	1435.0	1449.9	1467.1
47.5°	1020.2	1029.9	1042.3	1054.7	1067.0	1072.0	1089.2	1089.2	1101.6	1111.5	1116.4
50°	795.4	805.2	815.1	822.5	827.4	834.9	839.8	847.2	849.6	854.6	857.0
52.5°	622.4	634.8	634.8	639.7	647.1	654.5	652.1	654.5	657.0	657.0	664.4
55°	486.6	486.6	494.0	494.0	498.9	496.5	498.9	498.9	498.9	498.9	501.4
57.5°	363.0	365.6	373.0	368.0	365.6	370.5	365.6	370.5	368.0	373.0	365.6
60°	279.1	279.1	281.6	281.6	284.1	284.1	284.1	281.6	281.6	279.1	279.1
62.5°	209.9	212.4	214.9	212.4	212.4	212.4	209.9	209.9	207.4	205.0	205.0
65°	140.8	138.4	143.2	138.4	140.8	140.8	138.4	140.8	133.4	135.8	133.4
67.5°	101.2	98.8	96.4	98.8	96.4	93.8	93.8	96.4	98.8	91.4	91.4
70°	66.7	69.2	66.7	69.2	71.7	71.7	69.2	66.7	69.2	64.2	66.7
72.5°	42.0	42.0	42.0	42.0	42.0	44.4	44.4	44.4	39.6	39.6	37.0
75°	19.7	27.1	22.3	19.7	27.1	27.1	24.8	24.8	22.3	22.3	22.3
77.5°	19.7	14.8	14.8	14.8	14.8	14.8	14.8	14.8	12.3	14.8	12.3
80°	9.9	9.9	9.9	7.4	9.9	9.9	12.3	9.9	9.9	7.4	12.3
82.5°	5.0	5.0	5.0	0.0	2.5	5.0	5.0	2.5	5.0	5.0	2.5
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: P248636

CATALOG NUMBER: LD8B100D010 ER8B100927 8LBSW0H

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	5058.4	5058.4	5058.4	5058.4	5058.4	5058.4	5058.4	5058.4	5058.4	5058.4	5058.4
2.5°	5115.4	5112.9	5115.4	5117.7	5115.4	5112.9	5115.4	5117.7	5108.0	5105.5	5110.3
5°	5224.0	5224.0	5228.9	5231.5	5228.9	5224.0	5224.0	5214.2	5206.7	5199.3	5196.8
7.5°	5317.9	5322.8	5327.7	5330.1	5327.7	5322.8	5317.9	5303.0	5288.2	5275.9	5266.0
10°	5374.7	5382.1	5392.0	5396.8	5392.0	5382.1	5374.7	5357.4	5337.6	5317.9	5303.0
12.5°	5399.4	5406.9	5419.1	5416.7	5419.1	5406.9	5399.4	5374.7	5352.4	5325.3	5303.0
15°	5382.1	5392.0	5404.3	5409.2	5404.3	5392.0	5382.1	5357.4	5337.6	5308.0	5285.7
17.5°	5327.7	5342.5	5349.9	5357.4	5349.9	5342.5	5327.7	5308.0	5280.9	5256.1	5233.8
20°	5253.6	5263.5	5273.4	5275.9	5273.4	5263.5	5253.6	5231.5	5189.4	5184.4	5167.1
22.5°	5147.4	5154.9	5177.0	5169.6	5177.0	5154.9	5147.4	5127.6	5112.9	5085.7	5068.3
25°	4994.2	5001.6	5004.2	5006.7	5004.2	5001.6	4994.2	4977.0	4962.3	4942.3	4932.6
27.5°	4730.1	4730.1	4734.9	4737.5	4734.9	4730.1	4730.1	4717.6	4707.8	4697.9	4688.0
30°	4329.9	4329.9	4329.9	4342.3	4329.9	4329.9	4329.9	4327.4	4327.4	4329.9	4329.9
32.5°	3868.0	3863.0	3858.1	3863.0	3858.1	3863.0	3868.0	3870.4	3868.0	3875.4	3887.7
35°	3344.3	3341.8	3349.2	3339.4	3349.2	3341.8	3344.3	3344.3	3354.3	3364.1	3366.6
37.5°	2842.9	2838.0	2847.8	2838.0	2847.8	2838.0	2842.9	2840.4	2838.0	2842.9	2835.6
40°	2366.3	2371.2	2371.2	2391.0	2371.2	2371.2	2366.3	2361.3	2344.0	2334.2	2324.2
42.5°	1909.2	1924.1	1919.1	1934.0	1919.1	1924.1	1909.2	1899.4	1879.6	1862.3	1847.6
45°	1477.0	1486.9	1486.9	1491.9	1486.9	1486.9	1477.0	1467.1	1449.9	1435.0	1425.1
47.5°	1133.7	1133.7	1133.7	1136.2	1133.7	1133.7	1133.7	1116.4	1111.5	1101.6	1089.2
50°	862.0	864.4	867.0	869.4	867.0	864.4	862.0	857.0	854.6	849.6	847.2
52.5°	661.9	664.4	659.5	664.4	659.5	664.4	661.9	664.4	657.0	657.0	654.5
55°	501.4	498.9	501.4	503.9	501.4	498.9	501.4	501.4	498.9	498.9	498.9
57.5°	368.0	363.0	363.0	363.0	363.0	363.0	368.0	365.6	373.0	368.0	370.5
60°	274.2	276.6	276.6	279.1	276.6	276.6	274.2	279.1	279.1	281.6	281.6
62.5°	202.5	209.9	205.0	209.9	205.0	209.9	202.5	205.0	205.0	207.4	209.9
65°	131.0	131.0	131.0	133.4	131.0	131.0	131.0	133.4	135.8	133.4	140.8
67.5°	89.0	91.4	96.4	93.8	96.4	91.4	89.0	91.4	91.4	98.8	96.4
70°	71.7	64.2	64.2	71.7	64.2	64.2	71.7	66.7	64.2	69.2	66.7
72.5°	42.0	37.0	42.0	42.0	42.0	37.0	42.0	37.0	39.6	39.6	44.4
75°	22.3	19.7	17.3	24.8	17.3	19.7	22.3	22.3	22.3	22.3	24.8
77.5°	14.8	12.3	17.3	17.3	17.3	12.3	14.8	12.3	14.8	12.3	14.8
80°	7.4	9.9	7.4	12.3	7.4	9.9	7.4	12.3	7.4	9.9	9.9
82.5°	2.5	5.0	5.0	5.0	5.0	5.0	2.5	2.5	5.0	5.0	2.5
85°	0.0	5.0	2.5	2.5	2.5	5.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.5	0.0	0.0	2.5	0.0	0.0	2.5	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: P248636

CATALOG NUMBER: LD8B100D010 ER8B100927 8LBSW0H

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	5058.4	5058.4	5058.4	5058.4	5058.4	5058.4	5058.4	5058.4	5058.4	5058.4	5058.4
2.5°	5110.3	5102.9	5105.5	5090.6	5090.6	5085.7	5088.2	5075.8	5070.9	5065.9	5073.3
5°	5184.4	5172.2	5162.2	5140.0	5127.6	5112.9	5105.5	5085.7	5068.3	5053.5	5051.0
7.5°	5243.7	5216.6	5199.3	5169.6	5147.4	5130.2	5105.5	5078.2	5056.1	5036.3	5021.4
10°	5268.5	5241.3	5214.2	5177.0	5152.4	5120.2	5095.5	5060.9	5031.3	5004.2	4986.8
12.5°	5270.8	5236.3	5211.6	5169.6	5137.5	5102.9	5075.8	5036.3	5001.6	4974.5	4947.4
15°	5248.7	5216.6	5186.9	5142.5	5110.3	5078.2	5046.2	5004.2	4972.0	4940.0	4920.2
17.5°	5199.3	5169.6	5135.1	5093.1	5063.5	5033.8	4999.3	4964.6	4927.5	4893.0	4868.3
20°	5135.1	5102.9	5073.3	5031.3	5006.7	4974.5	4942.3	4905.3	4875.8	4841.1	4814.0
22.5°	5038.8	5009.1	4982.0	4957.2	4917.7	4893.0	4870.8	4828.8	4799.1	4767.1	4737.5
25°	4900.4	4870.8	4848.5	4818.8	4801.6	4774.5	4752.2	4715.2	4688.0	4658.3	4633.7
27.5°	4673.1	4655.9	4643.6	4626.2	4611.5	4599.1	4586.7	4557.0	4537.3	4510.2	4485.5
30°	4332.3	4329.9	4322.5	4315.0	4324.8	4324.8	4324.8	4320.0	4302.7	4282.9	4265.6
32.5°	3895.1	3900.2	3909.9	3917.4	3937.2	3959.4	3979.1	3989.0	3989.0	3976.6	3969.2
35°	3374.0	3381.4	3396.3	3416.0	3440.7	3467.8	3512.2	3522.3	3529.6	3529.6	3519.7
37.5°	2833.0	2830.6	2845.5	2862.7	2877.5	2897.3	2929.4	2936.8	2949.1	2944.2	2934.3
40°	2306.9	2294.5	2289.6	2294.5	2311.9	2304.5	2311.9	2306.9	2306.9	2289.6	2289.6
42.5°	1820.4	1805.6	1795.6	1788.3	1788.3	1771.0	1758.6	1746.3	1738.9	1726.5	1724.1
45°	1403.0	1385.7	1373.3	1368.3	1361.0	1338.8	1323.9	1309.0	1291.7	1286.9	1289.4
47.5°	1089.2	1072.0	1067.0	1054.7	1042.3	1029.9	1020.2	1002.8	1000.2	990.4	1000.2
50°	839.8	834.9	827.4	822.5	815.1	805.2	795.4	785.5	780.5	780.5	782.9
52.5°	652.1	654.5	647.1	639.7	634.8	634.8	622.4	620.0	620.0	610.1	620.0
55°	498.9	496.5	498.9	494.0	494.0	486.6	486.6	479.1	479.1	471.7	476.7
57.5°	365.6	370.5	365.6	368.0	373.0	365.6	363.0	355.6	360.6	355.6	358.2
60°	284.1	284.1	284.1	281.6	281.6	279.1	279.1	276.6	276.6	271.7	276.6
62.5°	209.9	212.4	212.4	212.4	214.9	212.4	209.9	212.4	209.9	209.9	212.4
65°	138.4	140.8	140.8	138.4	143.2	138.4	140.8	143.2	145.7	143.2	145.7
67.5°	93.8	93.8	96.4	98.8	96.4	98.8	101.2	98.8	101.2	106.2	101.2
70°	69.2	71.7	71.7	69.2	66.7	69.2	66.7	74.1	74.1	74.1	79.0
72.5°	44.4	44.4	42.0	42.0	42.0	42.0	42.0	49.4	44.4	42.0	47.0
75°	24.8	27.1	27.1	19.7	22.3	27.1	19.7	22.3	29.7	24.8	29.7
77.5°	14.8	14.8	14.8	14.8	14.8	14.8	19.7	17.3	17.3	17.3	19.7
80°	12.3	9.9	9.9	7.4	9.9	9.9	9.9	14.8	12.3	12.3	14.8
82.5°	5.0	5.0	2.5	0.0	5.0	5.0	5.0	5.0	5.0	5.0	9.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	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: P248636

CATALOG NUMBER: LD8B100D010 ER8B100927 8LBSW0H

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	5058.4	5058.4	5058.4	5058.4	5058.4	5058.4	5058.4	5058.4	5058.4	5058.4	5058.4
2.5°	5053.5	5053.5	5051.0	5046.2	5036.3	5036.3	5033.8	5026.4	5021.4	5019.0	5019.0
5°	5028.9	5019.0	5009.1	4982.0	4982.0	4977.0	4962.3	4952.2	4947.4	4934.9	4930.1
7.5°	5006.7	4977.0	4959.7	4942.3	4920.2	4910.3	4893.0	4885.5	4868.3	4856.0	4848.5
10°	4952.2	4932.6	4910.3	4883.2	4865.8	4846.2	4826.2	4811.5	4789.2	4776.9	4767.1
12.5°	4915.2	4885.5	4865.8	4836.2	4806.6	4789.2	4762.1	4744.9	4722.6	4697.9	4683.0
15°	4880.7	4848.5	4821.4	4789.2	4757.2	4737.5	4705.3	4685.6	4653.4	4628.8	4611.5
17.5°	4828.8	4801.6	4772.0	4732.4	4702.8	4678.2	4643.6	4618.9	4589.2	4557.0	4539.8
20°	4774.5	4742.3	4712.7	4673.1	4643.6	4614.0	4579.3	4552.2	4517.6	4488.0	4468.3
22.5°	4702.8	4665.7	4641.1	4601.5	4566.9	4534.9	4502.8	4470.6	4438.6	4413.8	4391.6
25°	4599.1	4559.5	4532.4	4500.2	4468.3	4443.5	4403.9	4384.2	4352.2	4329.9	4307.6
27.5°	4450.8	4421.2	4396.5	4364.4	4337.3	4317.5	4287.8	4268.1	4240.9	4221.2	4203.9
30°	4233.6	4208.8	4186.6	4154.5	4134.7	4117.5	4090.3	4073.0	4053.3	4031.0	4026.0
32.5°	3942.1	3922.3	3900.2	3877.9	3863.0	3853.1	3830.8	3821.1	3801.3	3788.9	3776.6
35°	3502.4	3485.1	3472.8	3463.0	3458.0	3460.4	3455.6	3465.3	3470.3	3467.8	3470.3
37.5°	2926.9	2917.0	2922.0	2929.4	2954.1	2986.2	3015.8	3060.2	3089.9	3119.6	3146.7
40°	2284.8	2292.2	2311.9	2356.3	2420.5	2492.2	2558.9	2643.0	2726.9	2786.2	2840.4
42.5°	1724.1	1746.3	1795.6	1859.8	1956.3	2062.4	2166.2	2289.6	2391.0	2489.7	2558.9
45°	1296.8	1326.4	1390.6	1479.6	1585.7	1709.2	1840.2	1978.4	2099.5	2200.7	2277.3
47.5°	1010.2	1037.4	1101.6	1195.5	1326.4	1454.9	1590.6	1734.0	1859.8	1958.7	2025.3
50°	797.7	832.4	889.2	988.0	1118.9	1254.7	1395.6	1536.3	1654.9	1738.9	1798.2
52.5°	627.4	659.5	713.8	817.6	951.0	1086.9	1217.7	1356.1	1459.7	1541.2	1580.9
55°	486.6	516.3	573.0	659.5	785.5	918.9	1049.7	1168.3	1264.6	1323.9	1361.0
57.5°	370.5	392.7	432.3	518.7	632.4	755.8	867.0	985.5	1059.6	1101.6	1126.2
60°	281.6	298.9	340.9	407.6	511.3	617.5	711.3	800.3	859.6	894.2	918.9
62.5°	212.4	232.2	261.8	318.6	397.6	484.1	563.2	629.8	679.3	701.6	718.8
65°	145.7	160.5	182.8	227.2	294.0	355.6	417.5	466.9	498.9	523.7	533.6
67.5°	108.7	118.6	131.0	165.5	212.4	261.8	303.8	338.4	373.0	382.8	400.2
70°	81.6	89.0	101.2	126.0	153.1	187.6	222.3	242.1	266.7	284.1	289.0
72.5°	51.9	54.3	66.7	81.6	103.7	126.0	148.3	165.5	180.3	190.2	195.1
75°	29.7	44.4	44.4	59.3	74.1	83.9	98.8	111.2	118.6	126.0	126.0
77.5°	19.7	27.1	29.7	37.0	44.4	56.8	69.2	76.5	83.9	86.4	86.4
80°	17.3	19.7	19.7	27.1	32.2	42.0	49.4	51.9	56.8	59.3	64.2
82.5°	7.4	9.9	12.3	19.7	22.3	22.3	29.7	32.2	37.0	39.6	39.6
85°	2.5	5.0	5.0	7.4	12.3	14.8	17.3	19.7	22.3	22.3	24.8
87.5°	2.5	2.5	0.0	2.5	5.0	5.0	9.9	9.9	9.9	14.8	14.8
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: P248636

CATALOG NUMBER: LD8B100D010 ER8B100927 8LBSW0H

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	5058.4	5058.4	5058.4	5058.4	5058.4	5058.4	5058.4
2.5°	5014.1	5016.5	5006.7	5004.2	4999.3	5001.6	5006.7
5°	4922.7	4925.1	4915.2	4905.3	4905.3	4902.9	4905.3
7.5°	4836.2	4838.7	4823.9	4818.8	4809.0	4811.5	4811.5
10°	4749.8	4749.8	4727.6	4725.0	4717.6	4715.2	4715.2
12.5°	4665.7	4658.3	4641.1	4631.2	4636.1	4621.4	4621.4
15°	4591.7	4579.3	4557.0	4549.6	4537.3	4532.4	4532.4
17.5°	4515.1	4505.3	4485.5	4470.6	4455.8	4453.4	4455.8
20°	4440.9	4431.2	4406.4	4396.5	4384.2	4384.2	4379.3
22.5°	4366.9	4357.0	4334.8	4327.4	4310.1	4310.1	4312.6
25°	4290.3	4282.9	4258.2	4253.3	4250.8	4240.9	4245.9
27.5°	4186.6	4181.6	4161.9	4154.5	4144.6	4142.1	4147.1
30°	3996.3	3989.0	3974.2	3966.9	3949.5	3952.0	3956.8
32.5°	3759.3	3749.4	3729.6	3722.2	3707.4	3702.5	3705.0
35°	3463.0	3455.6	3438.2	3438.2	3423.4	3418.4	3423.4
37.5°	3161.6	3168.9	3161.6	3168.9	3161.6	3159.1	3161.6
40°	2877.5	2904.8	2909.6	2936.8	2926.9	2941.8	2939.3
42.5°	2605.8	2650.3	2667.6	2689.8	2684.9	2694.7	2702.1
45°	2331.6	2368.7	2386.0	2400.9	2403.3	2408.3	2410.8
47.5°	2072.2	2102.0	2104.4	2121.6	2119.3	2119.3	2126.7
50°	1830.3	1850.1	1854.9	1867.3	1857.5	1852.4	1854.9
52.5°	1605.5	1625.3	1620.2	1625.3	1612.9	1608.0	1610.4
55°	1375.8	1385.7	1385.7	1385.7	1370.8	1370.8	1370.8
57.5°	1141.1	1143.7	1138.6	1141.1	1138.6	1123.8	1121.4
60°	926.3	926.3	923.7	926.3	918.9	911.5	911.5
62.5°	723.7	728.7	738.4	728.7	723.7	728.7	721.2
65°	541.0	550.8	548.3	553.3	550.8	550.8	545.8
67.5°	407.6	410.1	412.4	415.0	415.0	415.0	415.0
70°	298.9	306.3	303.8	303.8	303.8	303.8	318.6
72.5°	200.0	209.9	207.4	212.4	212.4	217.4	212.4
75°	135.8	145.7	140.8	148.3	145.7	140.8	153.1
77.5°	91.4	96.4	98.8	101.2	98.8	96.4	98.8
80°	64.2	69.2	66.7	69.2	69.2	69.2	71.7
82.5°	39.6	47.0	44.4	47.0	44.4	47.0	47.0
85°	27.1	29.7	24.8	29.7	27.1	27.1	32.2
87.5°	17.3	14.8	14.8	17.3	14.8	17.3	14.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)