

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: P248637

Luminaire Tested: **LD8B120D010 ER8B1209727 8LBSW0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P248637  
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: LD8B120D010 ER8B1209727 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: 8586.0 lumens  
Efficiency: N/A  
Efficacy: 72.6 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

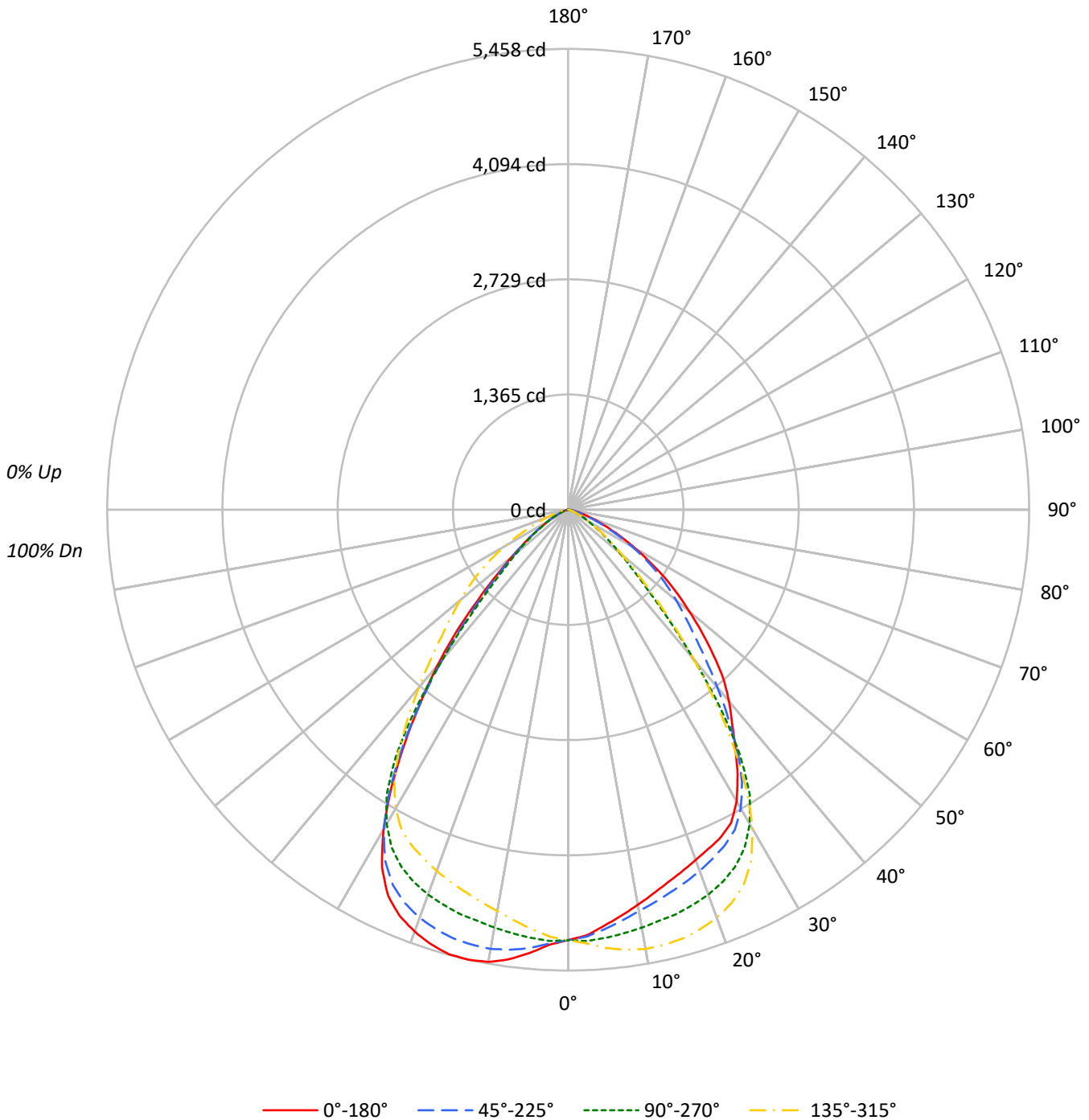
Input Watts (W): 118.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	485.2	5.7
10°-20°	1404.9	16.4
20°-30°	2127.4	24.8
30°-40°	2132.1	24.8
40°-50°	1338.9	15.6
50°-60°	713.5	8.3
60°-70°	293.4	3.4
70°-80°	77.5	0.9
80°-90°	13.1	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°	4017.5	46.8
0°-40°	6149.6	71.6
0°-60°	8202.0	95.5
0°-90°	8586.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8586.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	5097	5097	5097	5097	5097	
5°	4943	5090	5272	5090	4943	466
15°	4567	4958	5451	4958	4567	1292
25°	4278	4669	5045	4669	4278	1962
35°	3450	3547	3365	3547	3450	2161
45°	2429	1299	1503	1299	2429	1868
55°	1381	480	508	480	1381	1232
65°	550	147	134	147	550	571
75°	154	30	25	30	154	175
85°	32	0	2	0	32	36
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°	5097.2	5097.2	5097.2	5097.2	5097.2	5097.2	5097.2	5097.2	5097.2	5097.2	5097.2
2.5°	5045.0	5040.0	5037.5	5042.5	5045.0	5054.9	5052.5	5057.4	5057.4	5059.9	5064.9
5°	4943.0	4940.4	4943.0	4943.0	4952.9	4962.8	4960.4	4967.8	4972.8	4985.3	4990.2
7.5°	4848.4	4848.4	4845.8	4855.8	4860.8	4875.8	4873.2	4885.7	4893.2	4905.6	4923.0
10°	4751.3	4751.3	4753.7	4761.2	4763.8	4786.1	4786.1	4803.5	4813.5	4826.0	4848.4
12.5°	4656.7	4656.7	4671.7	4666.7	4676.6	4694.0	4701.5	4718.9	4733.9	4758.8	4781.2
15°	4567.1	4567.1	4572.1	4584.5	4592.0	4614.4	4626.8	4646.8	4664.2	4689.1	4721.5
17.5°	4489.9	4487.5	4489.9	4504.9	4519.9	4539.7	4549.7	4574.6	4592.0	4624.4	4654.3
20°	4412.8	4417.8	4417.8	4430.2	4440.2	4465.1	4475.0	4502.4	4522.3	4552.1	4587.1
22.5°	4345.6	4343.1	4343.1	4360.6	4368.0	4390.4	4400.3	4425.2	4447.6	4472.5	4504.9
25°	4278.4	4273.4	4283.4	4285.9	4290.8	4315.7	4323.2	4340.6	4363.0	4385.5	4417.8
27.5°	4178.8	4173.9	4176.4	4186.3	4193.8	4213.7	4218.7	4236.1	4253.5	4273.4	4300.8
30°	3987.1	3982.2	3979.8	3997.2	4004.7	4019.5	4027.0	4056.9	4061.8	4084.3	4104.1
32.5°	3733.3	3730.8	3735.8	3750.7	3758.2	3778.2	3788.1	3805.5	3817.9	3830.4	3850.3
35°	3449.6	3444.6	3449.6	3464.6	3464.6	3482.0	3489.5	3496.8	3494.4	3496.8	3491.9
37.5°	3185.8	3183.3	3185.8	3193.2	3185.8	3193.2	3185.8	3170.9	3143.5	3113.6	3083.7
40°	2961.8	2964.2	2949.4	2959.3	2931.9	2926.9	2899.6	2862.2	2807.5	2747.8	2663.2
42.5°	2722.9	2715.4	2705.5	2710.4	2688.0	2670.5	2625.8	2578.5	2508.8	2409.3	2307.2
45°	2429.2	2426.7	2421.7	2419.2	2404.3	2386.9	2349.5	2294.8	2217.6	2115.6	1993.6
47.5°	2142.9	2135.5	2135.5	2137.9	2120.5	2118.0	2088.1	2040.9	1973.7	1874.1	1747.2
50°	1869.1	1866.6	1871.7	1881.6	1869.1	1864.2	1844.3	1811.9	1752.2	1667.6	1548.0
52.5°	1622.7	1620.3	1625.3	1637.7	1632.7	1637.7	1617.8	1592.9	1553.1	1470.9	1366.4
55°	1381.4	1381.4	1381.4	1396.2	1396.2	1396.2	1386.3	1371.4	1334.0	1274.3	1177.3
57.5°	1130.0	1132.4	1147.4	1149.8	1147.4	1152.4	1149.8	1134.9	1110.1	1067.8	993.1
60°	918.4	918.4	925.9	933.4	930.8	933.4	933.4	925.9	901.0	866.2	806.4
62.5°	726.7	734.2	729.2	734.2	744.2	734.2	729.2	724.3	706.9	684.4	634.6
65°	550.0	555.0	555.0	557.5	552.5	555.0	545.1	537.6	527.7	502.8	470.4
67.5°	418.2	418.2	418.2	418.2	415.6	413.2	410.7	403.2	385.8	375.9	340.9
70°	321.1	306.1	306.1	306.1	306.1	308.7	301.2	291.3	286.2	268.8	243.9
72.5°	214.0	219.0	214.0	214.0	209.1	211.5	201.6	196.6	191.7	181.7	166.8
75°	154.3	141.9	146.8	149.4	141.9	146.8	136.9	126.9	126.9	119.5	112.0
77.5°	99.6	97.1	99.6	102.0	99.6	97.1	92.1	87.1	87.1	84.6	77.1
80°	72.2	69.7	69.7	69.7	67.2	69.7	64.7	64.7	59.7	57.3	52.2
82.5°	47.3	47.3	44.8	47.3	44.8	47.3	39.9	39.9	39.9	37.3	32.4
85°	32.4	27.4	27.4	29.9	24.9	29.9	27.4	24.9	22.4	22.4	19.9
87.5°	15.0	17.4	15.0	17.4	15.0	15.0	17.4	15.0	15.0	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°	5097.2	5097.2	5097.2	5097.2	5097.2	5097.2	5097.2	5097.2	5097.2	5097.2	5097.2
2.5°	5072.3	5074.8	5074.8	5084.8	5089.8	5092.2	5092.2	5112.2	5104.7	5109.7	5114.7
5°	5000.2	5015.1	5020.1	5020.1	5047.4	5057.4	5067.3	5089.8	5092.2	5107.2	5124.6
7.5°	4930.5	4947.9	4957.9	4980.2	4997.7	5015.1	5045.0	5059.9	5074.8	5094.8	5117.1
10°	4863.3	4883.2	4903.1	4920.5	4947.9	4970.3	4990.2	5025.0	5042.5	5069.9	5099.7
12.5°	4798.6	4826.0	4843.4	4873.2	4903.1	4923.0	4952.9	4985.3	5012.6	5040.0	5074.8
15°	4741.3	4773.7	4793.6	4826.0	4858.3	4885.7	4918.1	4957.9	4977.8	5010.2	5042.5
17.5°	4679.1	4714.0	4738.9	4768.7	4808.5	4838.4	4865.8	4905.6	4930.5	4965.3	5002.7
20°	4614.4	4649.2	4679.1	4709.0	4748.8	4778.6	4811.0	4850.9	4878.2	4913.0	4943.0
22.5°	4537.3	4569.6	4601.9	4636.7	4676.6	4701.5	4738.9	4773.7	4803.5	4835.9	4865.8
25°	4437.7	4477.5	4502.4	4534.7	4567.1	4594.4	4634.3	4669.1	4694.0	4723.9	4751.3
27.5°	4320.7	4350.6	4370.5	4397.8	4430.2	4455.1	4484.9	4519.9	4544.8	4572.1	4592.0
30°	4121.6	4149.0	4166.4	4186.3	4218.7	4241.1	4266.0	4298.3	4315.7	4335.7	4353.1
32.5°	3860.2	3882.7	3892.6	3907.5	3930.0	3952.3	3972.3	3999.6	4007.1	4019.5	4019.5
35°	3482.0	3486.9	3484.5	3489.5	3499.4	3511.8	3529.2	3546.6	3556.6	3556.6	3549.2
37.5°	3038.9	3009.1	2976.7	2951.8	2944.4	2939.3	2949.4	2956.8	2966.8	2971.7	2959.3
40°	2578.5	2511.3	2439.1	2374.4	2329.6	2309.7	2302.2	2307.2	2307.2	2324.6	2324.6
42.5°	2182.8	2078.2	1971.2	1874.1	1809.4	1759.7	1737.3	1737.3	1739.7	1752.2	1759.7
45°	1854.2	1722.3	1597.8	1490.9	1401.2	1336.5	1306.7	1299.2	1296.7	1301.7	1319.1
47.5°	1602.8	1466.0	1336.5	1204.6	1110.1	1045.3	1018.0	1008.0	998.0	1008.0	1010.5
50°	1406.3	1264.4	1127.5	995.6	896.0	838.7	803.9	788.9	786.5	786.5	791.5
52.5°	1227.0	1095.1	958.3	823.9	719.3	664.6	632.2	624.7	614.8	624.7	624.7
55°	1057.7	925.9	791.5	664.6	577.4	520.2	490.3	480.4	475.3	482.8	482.8
57.5°	873.6	761.6	637.2	522.7	435.6	395.7	373.3	360.9	358.4	363.4	358.4
60°	716.8	622.2	515.2	410.7	343.5	301.2	283.8	278.8	273.7	278.8	278.8
62.5°	567.4	487.8	400.7	321.1	263.8	234.0	214.0	214.0	211.5	211.5	214.0
65°	420.6	358.4	296.2	229.0	184.2	161.8	146.8	146.8	144.3	146.8	144.3
67.5°	306.1	263.8	214.0	166.8	131.9	119.5	109.5	102.0	107.1	102.0	99.6
70°	224.0	189.1	154.3	126.9	102.0	89.6	82.2	79.6	74.7	74.7	74.7
72.5°	149.4	126.9	104.5	82.2	67.2	54.7	52.2	47.3	42.3	44.8	49.8
75°	99.6	84.6	74.7	59.7	44.8	44.8	29.9	29.9	24.9	29.9	22.4
77.5°	69.7	57.3	44.8	37.3	29.9	27.4	19.9	19.9	17.4	17.4	17.4
80°	49.8	42.3	32.4	27.4	19.9	19.9	17.4	15.0	12.4	12.4	15.0
82.5°	29.9	22.4	22.4	19.9	12.4	9.9	7.5	9.9	5.0	5.0	5.0
85°	17.4	15.0	12.4	7.5	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°	5097.2	5097.2	5097.2	5097.2	5097.2	5097.2	5097.2	5097.2	5097.2	5097.2	5097.2
2.5°	5127.2	5124.6	5129.6	5129.6	5144.6	5142.0	5149.5	5149.5	5144.6	5147.0	5157.0
5°	5144.6	5152.0	5166.9	5179.4	5201.7	5211.8	5224.2	5236.7	5239.1	5246.6	5254.1
7.5°	5144.6	5169.5	5186.9	5209.2	5239.1	5256.5	5283.9	5306.3	5316.3	5328.7	5343.6
10°	5134.5	5159.4	5191.8	5216.7	5254.1	5281.4	5308.8	5343.6	5358.6	5378.4	5398.4
12.5°	5114.7	5142.0	5176.8	5209.2	5251.5	5276.4	5311.2	5343.6	5366.1	5393.4	5415.8
15°	5084.8	5117.1	5149.5	5181.9	5226.6	5256.5	5288.9	5326.2	5348.6	5378.4	5398.4
17.5°	5037.5	5072.3	5102.3	5132.1	5174.4	5209.2	5239.1	5274.0	5296.4	5321.3	5348.6
20°	4980.2	5012.6	5045.0	5069.9	5112.2	5142.0	5174.4	5206.7	5224.2	5229.2	5271.5
22.5°	4908.1	4930.5	4955.4	4995.2	5020.1	5047.4	5077.4	5107.2	5124.6	5152.0	5166.9
25°	4788.6	4811.0	4838.4	4855.8	4885.7	4908.1	4937.9	4970.3	4980.2	5000.2	5015.1
27.5°	4621.9	4634.3	4646.8	4661.6	4679.1	4691.6	4709.0	4723.9	4733.9	4743.8	4753.7
30°	4358.0	4358.0	4358.0	4348.1	4355.5	4363.0	4365.5	4363.0	4363.0	4360.6	4360.6
32.5°	4009.6	3989.7	3967.3	3947.4	3939.9	3930.0	3925.0	3917.5	3905.1	3897.6	3900.1
35°	3539.2	3494.4	3467.0	3442.1	3422.3	3407.3	3399.8	3392.4	3389.9	3380.0	3369.9
37.5°	2951.8	2919.5	2899.6	2884.6	2867.2	2852.3	2854.7	2857.3	2864.7	2859.7	2862.2
40°	2329.6	2322.1	2329.6	2312.2	2307.2	2312.2	2324.6	2342.1	2352.0	2362.0	2379.4
42.5°	1772.1	1784.5	1802.0	1802.0	1809.4	1819.4	1834.3	1861.7	1876.6	1894.0	1914.0
45°	1334.0	1349.0	1371.4	1378.8	1383.8	1396.2	1413.7	1436.1	1446.0	1461.0	1478.4
47.5°	1027.9	1037.9	1050.3	1062.8	1075.2	1080.2	1097.6	1097.6	1110.1	1120.0	1124.9
50°	801.4	811.4	821.3	828.8	833.8	841.3	846.2	853.7	856.1	861.1	863.6
52.5°	627.2	639.7	639.7	644.6	652.1	659.5	657.1	659.5	662.0	662.0	669.5
55°	490.3	490.3	497.8	497.8	502.8	500.2	502.8	502.8	502.8	502.8	505.3
57.5°	365.8	368.4	375.9	370.8	368.4	373.3	368.4	373.3	370.8	375.9	368.4
60°	281.2	281.2	283.8	283.8	286.2	286.2	286.2	283.8	283.8	281.2	281.2
62.5°	211.5	214.0	216.6	214.0	214.0	214.0	211.5	211.5	209.1	206.5	206.5
65°	141.9	139.4	144.3	139.4	141.9	141.9	139.4	141.9	134.4	136.9	134.4
67.5°	102.0	99.6	97.1	99.6	97.1	94.6	94.6	97.1	99.6	92.1	92.1
70°	67.2	69.7	67.2	69.7	72.2	72.2	69.7	67.2	69.7	64.7	67.2
72.5°	42.3	42.3	42.3	42.3	42.3	44.8	44.8	44.8	39.9	39.9	37.3
75°	19.9	27.4	22.4	19.9	27.4	27.4	24.9	24.9	22.4	22.4	22.4
77.5°	19.9	15.0	15.0	15.0	15.0	15.0	15.0	15.0	12.4	15.0	12.4
80°	9.9	9.9	9.9	7.5	9.9	9.9	12.4	9.9	9.9	7.5	12.4
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: P248637

CATALOG NUMBER: LD8B120D010 ER8B1209727 8LBSWOH

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	5097.2	5097.2	5097.2	5097.2	5097.2	5097.2	5097.2	5097.2	5097.2	5097.2	5097.2
2.5°	5154.5	5152.0	5154.5	5157.0	5154.5	5152.0	5154.5	5157.0	5147.0	5144.6	5149.5
5°	5264.0	5264.0	5268.9	5271.5	5268.9	5264.0	5264.0	5254.1	5246.6	5239.1	5236.7
7.5°	5358.6	5363.6	5368.5	5371.0	5368.5	5363.6	5358.6	5343.6	5328.7	5316.3	5306.3
10°	5415.8	5423.3	5433.3	5438.2	5433.3	5423.3	5415.8	5398.4	5378.4	5358.6	5343.6
12.5°	5440.7	5448.2	5460.6	5458.1	5460.6	5448.2	5440.7	5415.8	5393.4	5366.1	5343.6
15°	5423.3	5433.3	5445.7	5450.7	5445.7	5433.3	5423.3	5398.4	5378.4	5348.6	5326.2
17.5°	5368.5	5383.5	5390.9	5398.4	5390.9	5383.5	5368.5	5348.6	5321.3	5296.4	5274.0
20°	5293.8	5303.9	5313.8	5316.3	5313.8	5303.9	5293.8	5271.5	5229.2	5224.2	5206.7
22.5°	5186.9	5194.4	5216.7	5209.2	5216.7	5194.4	5186.9	5166.9	5152.0	5124.6	5107.2
25°	5032.5	5040.0	5042.5	5045.0	5042.5	5040.0	5032.5	5015.1	5000.2	4980.2	4970.3
27.5°	4766.2	4766.2	4771.2	4773.7	4771.2	4766.2	4766.2	4753.7	4743.8	4733.9	4723.9
30°	4363.0	4363.0	4363.0	4375.5	4363.0	4363.0	4363.0	4360.6	4360.6	4363.0	4363.0
32.5°	3897.6	3892.6	3887.7	3892.6	3887.7	3892.6	3897.6	3900.1	3897.6	3905.1	3917.5
35°	3369.9	3367.5	3374.9	3365.0	3374.9	3367.5	3369.9	3369.9	3380.0	3389.9	3392.4
37.5°	2864.7	2859.7	2869.7	2859.7	2869.7	2859.7	2864.7	2862.2	2859.7	2864.7	2857.3
40°	2384.4	2389.3	2389.3	2409.3	2389.3	2389.3	2384.4	2379.4	2362.0	2352.0	2342.1
42.5°	1923.9	1938.9	1933.8	1948.8	1933.8	1938.9	1923.9	1914.0	1894.0	1876.6	1861.7
45°	1488.3	1498.4	1498.4	1503.3	1498.4	1498.4	1488.3	1478.4	1461.0	1446.0	1436.1
47.5°	1142.4	1142.4	1142.4	1144.9	1142.4	1142.4	1142.4	1124.9	1120.0	1110.1	1097.6
50°	868.6	871.1	873.6	876.1	873.6	871.1	868.6	863.6	861.1	856.1	853.7
52.5°	667.0	669.5	664.6	669.5	664.6	669.5	667.0	669.5	662.0	662.0	659.5
55°	505.3	502.8	505.3	507.7	505.3	502.8	505.3	505.3	502.8	502.8	502.8
57.5°	370.8	365.8	365.8	365.8	365.8	365.8	370.8	368.4	375.9	370.8	373.3
60°	276.3	278.8	278.8	281.2	278.8	278.8	276.3	281.2	281.2	283.8	283.8
62.5°	204.1	211.5	206.5	211.5	206.5	211.5	204.1	206.5	206.5	209.1	211.5
65°	131.9	131.9	131.9	134.4	131.9	131.9	131.9	134.4	136.9	134.4	141.9
67.5°	89.6	92.1	97.1	94.6	97.1	92.1	89.6	92.1	92.1	99.6	97.1
70°	72.2	64.7	64.7	72.2	64.7	64.7	72.2	67.2	64.7	69.7	67.2
72.5°	42.3	37.3	42.3	42.3	42.3	37.3	42.3	37.3	39.9	39.9	44.8
75°	22.4	19.9	17.4	24.9	17.4	19.9	22.4	22.4	22.4	22.4	24.9
77.5°	15.0	12.4	17.4	17.4	17.4	12.4	15.0	12.4	15.0	12.4	15.0
80°	7.5	9.9	7.5	12.4	7.5	9.9	7.5	12.4	7.5	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: P248637

CATALOG NUMBER: LD8B120D010 ER8B1209727 8LBSWOH

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	5097.2	5097.2	5097.2	5097.2	5097.2	5097.2	5097.2	5097.2	5097.2	5097.2	5097.2
2.5°	5149.5	5142.0	5144.6	5129.6	5129.6	5124.6	5127.2	5114.7	5109.7	5104.7	5112.2
5°	5224.2	5211.8	5201.7	5179.4	5166.9	5152.0	5144.6	5124.6	5107.2	5092.2	5089.8
7.5°	5283.9	5256.5	5239.1	5209.2	5186.9	5169.5	5144.6	5117.1	5094.8	5074.8	5059.9
10°	5308.8	5281.4	5254.1	5216.7	5191.8	5159.4	5134.5	5099.7	5069.9	5042.5	5025.0
12.5°	5311.2	5276.4	5251.5	5209.2	5176.8	5142.0	5114.7	5074.8	5040.0	5012.6	4985.3
15°	5288.9	5256.5	5226.6	5181.9	5149.5	5117.1	5084.8	5042.5	5010.2	4977.8	4957.9
17.5°	5239.1	5209.2	5174.4	5132.1	5102.3	5072.3	5037.5	5002.7	4965.3	4930.5	4905.6
20°	5174.4	5142.0	5112.2	5069.9	5045.0	5012.6	4980.2	4943.0	4913.0	4878.2	4850.9
22.5°	5077.4	5047.4	5020.1	4995.2	4955.4	4930.5	4908.1	4865.8	4835.9	4803.5	4773.7
25°	4937.9	4908.1	4885.7	4855.8	4838.4	4811.0	4788.6	4751.3	4723.9	4694.0	4669.1
27.5°	4709.0	4691.6	4679.1	4661.6	4646.8	4634.3	4621.9	4592.0	4572.1	4544.8	4519.9
30°	4365.5	4363.0	4355.5	4348.1	4358.0	4358.0	4358.0	4353.1	4335.7	4315.7	4298.3
32.5°	3925.0	3930.0	3939.9	3947.4	3967.3	3989.7	4009.6	4019.5	4019.5	4007.1	3999.6
35°	3399.8	3407.3	3422.3	3442.1	3467.0	3494.4	3539.2	3549.2	3556.6	3556.6	3546.6
37.5°	2854.7	2852.3	2867.2	2884.6	2899.6	2919.5	2951.8	2959.3	2971.7	2966.8	2956.8
40°	2324.6	2312.2	2307.2	2312.2	2329.6	2322.1	2329.6	2324.6	2324.6	2307.2	2307.2
42.5°	1834.3	1819.4	1809.4	1802.0	1802.0	1784.5	1772.1	1759.7	1752.2	1739.7	1737.3
45°	1413.7	1396.2	1383.8	1378.8	1371.4	1349.0	1334.0	1319.1	1301.7	1296.7	1299.2
47.5°	1097.6	1080.2	1075.2	1062.8	1050.3	1037.9	1027.9	1010.5	1008.0	998.0	1008.0
50°	846.2	841.3	833.8	828.8	821.3	811.4	801.4	791.5	786.5	786.5	788.9
52.5°	657.1	659.5	652.1	644.6	639.7	639.7	627.2	624.7	624.7	614.8	624.7
55°	502.8	500.2	502.8	497.8	497.8	490.3	490.3	482.8	482.8	475.3	480.4
57.5°	368.4	373.3	368.4	370.8	375.9	368.4	365.8	358.4	363.4	358.4	360.9
60°	286.2	286.2	286.2	283.8	283.8	281.2	281.2	278.8	278.8	273.7	278.8
62.5°	211.5	214.0	214.0	214.0	216.6	214.0	211.5	214.0	211.5	211.5	214.0
65°	139.4	141.9	141.9	139.4	144.3	139.4	141.9	144.3	146.8	144.3	146.8
67.5°	94.6	94.6	97.1	99.6	97.1	99.6	102.0	99.6	102.0	107.1	102.0
70°	69.7	72.2	72.2	69.7	67.2	69.7	67.2	74.7	74.7	74.7	79.6
72.5°	44.8	44.8	42.3	42.3	42.3	42.3	42.3	49.8	44.8	42.3	47.3
75°	24.9	27.4	27.4	19.9	22.4	27.4	19.9	22.4	29.9	24.9	29.9
77.5°	15.0	15.0	15.0	15.0	15.0	15.0	19.9	17.4	17.4	17.4	19.9
80°	12.4	9.9	9.9	7.5	9.9	9.9	9.9	15.0	12.4	12.4	15.0
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: P248637

CATALOG NUMBER: LD8B120D010 ER8B1209727 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	5097.2	5097.2	5097.2	5097.2	5097.2	5097.2	5097.2	5097.2	5097.2	5097.2	5097.2
2.5°	5092.2	5092.2	5089.8	5084.8	5074.8	5074.8	5072.3	5064.9	5059.9	5057.4	5057.4
5°	5067.3	5057.4	5047.4	5020.1	5020.1	5015.1	5000.2	4990.2	4985.3	4972.8	4967.8
7.5°	5045.0	5015.1	4997.7	4980.2	4957.9	4947.9	4930.5	4923.0	4905.6	4893.2	4885.7
10°	4990.2	4970.3	4947.9	4920.5	4903.1	4883.2	4863.3	4848.4	4826.0	4813.5	4803.5
12.5°	4952.9	4923.0	4903.1	4873.2	4843.4	4826.0	4798.6	4781.2	4758.8	4733.9	4718.9
15°	4918.1	4885.7	4858.3	4826.0	4793.6	4773.7	4741.3	4721.5	4689.1	4664.2	4646.8
17.5°	4865.8	4838.4	4808.5	4768.7	4738.9	4714.0	4679.1	4654.3	4624.4	4592.0	4574.6
20°	4811.0	4778.6	4748.8	4709.0	4679.1	4649.2	4614.4	4587.1	4552.1	4522.3	4502.4
22.5°	4738.9	4701.5	4676.6	4636.7	4601.9	4569.6	4537.3	4504.9	4472.5	4447.6	4425.2
25°	4634.3	4594.4	4567.1	4534.7	4502.4	4477.5	4437.7	4417.8	4385.5	4363.0	4340.6
27.5°	4484.9	4455.1	4430.2	4397.8	4370.5	4350.6	4320.7	4300.8	4273.4	4253.5	4236.1
30°	4266.0	4241.1	4218.7	4186.3	4166.4	4149.0	4121.6	4104.1	4084.3	4061.8	4056.9
32.5°	3972.3	3952.3	3930.0	3907.5	3892.6	3882.7	3860.2	3850.3	3830.4	3817.9	3805.5
35°	3529.2	3511.8	3499.4	3489.5	3484.5	3486.9	3482.0	3491.9	3496.8	3494.4	3496.8
37.5°	2949.4	2939.3	2944.4	2951.8	2976.7	3009.1	3038.9	3083.7	3113.6	3143.5	3170.9
40°	2302.2	2309.7	2329.6	2374.4	2439.1	2511.3	2578.5	2663.2	2747.8	2807.5	2862.2
42.5°	1737.3	1759.7	1809.4	1874.1	1971.2	2078.2	2182.8	2307.2	2409.3	2508.8	2578.5
45°	1306.7	1336.5	1401.2	1490.9	1597.8	1722.3	1854.2	1993.6	2115.6	2217.6	2294.8
47.5°	1018.0	1045.3	1110.1	1204.6	1336.5	1466.0	1602.8	1747.2	1874.1	1973.7	2040.9
50°	803.9	838.7	896.0	995.6	1127.5	1264.4	1406.3	1548.0	1667.6	1752.2	1811.9
52.5°	632.2	664.6	719.3	823.9	958.3	1095.1	1227.0	1366.4	1470.9	1553.1	1592.9
55°	490.3	520.2	577.4	664.6	791.5	925.9	1057.7	1177.3	1274.3	1334.0	1371.4
57.5°	373.3	395.7	435.6	522.7	637.2	761.6	873.6	993.1	1067.8	1110.1	1134.9
60°	283.8	301.2	343.5	410.7	515.2	622.2	716.8	806.4	866.2	901.0	925.9
62.5°	214.0	234.0	263.8	321.1	400.7	487.8	567.4	634.6	684.4	706.9	724.3
65°	146.8	161.8	184.2	229.0	296.2	358.4	420.6	470.4	502.8	527.7	537.6
67.5°	109.5	119.5	131.9	166.8	214.0	263.8	306.1	340.9	375.9	385.8	403.2
70°	82.2	89.6	102.0	126.9	154.3	189.1	224.0	243.9	268.8	286.2	291.3
72.5°	52.2	54.7	67.2	82.2	104.5	126.9	149.4	166.8	181.7	191.7	196.6
75°	29.9	44.8	44.8	59.7	74.7	84.6	99.6	112.0	119.5	126.9	126.9
77.5°	19.9	27.4	29.9	37.3	44.8	57.3	69.7	77.1	84.6	87.1	87.1
80°	17.4	19.9	19.9	27.4	32.4	42.3	49.8	52.2	57.3	59.7	64.7
82.5°	7.5	9.9	12.4	19.9	22.4	22.4	29.9	32.4	37.3	39.9	39.9
85°	2.5	5.0	5.0	7.5	12.4	15.0	17.4	19.9	22.4	22.4	24.9
87.5°	2.5	2.5	0.0	2.5	5.0	5.0	9.9	9.9	9.9	15.0	15.0
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: P248637

CATALOG NUMBER: LD8B120D010 ER8B1209727 8LBSWOH

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	5097.2	5097.2	5097.2	5097.2	5097.2	5097.2	5097.2
2.5°	5052.5	5054.9	5045.0	5042.5	5037.5	5040.0	5045.0
5°	4960.4	4962.8	4952.9	4943.0	4943.0	4940.4	4943.0
7.5°	4873.2	4875.8	4860.8	4855.8	4845.8	4848.4	4848.4
10°	4786.1	4786.1	4763.8	4761.2	4753.7	4751.3	4751.3
12.5°	4701.5	4694.0	4676.6	4666.7	4671.7	4656.7	4656.7
15°	4626.8	4614.4	4592.0	4584.5	4572.1	4567.1	4567.1
17.5°	4549.7	4539.7	4519.9	4504.9	4489.9	4487.5	4489.9
20°	4475.0	4465.1	4440.2	4430.2	4417.8	4417.8	4412.8
22.5°	4400.3	4390.4	4368.0	4360.6	4343.1	4343.1	4345.6
25°	4323.2	4315.7	4290.8	4285.9	4283.4	4273.4	4278.4
27.5°	4218.7	4213.7	4193.8	4186.3	4176.4	4173.9	4178.8
30°	4027.0	4019.5	4004.7	3997.2	3979.8	3982.2	3987.1
32.5°	3788.1	3778.2	3758.2	3750.7	3735.8	3730.8	3733.3
35°	3489.5	3482.0	3464.6	3464.6	3449.6	3444.6	3449.6
37.5°	3185.8	3193.2	3185.8	3193.2	3185.8	3183.3	3185.8
40°	2899.6	2926.9	2931.9	2959.3	2949.4	2964.2	2961.8
42.5°	2625.8	2670.5	2688.0	2710.4	2705.5	2715.4	2722.9
45°	2349.5	2386.9	2404.3	2419.2	2421.7	2426.7	2429.2
47.5°	2088.1	2118.0	2120.5	2137.9	2135.5	2135.5	2142.9
50°	1844.3	1864.2	1869.1	1881.6	1871.7	1866.6	1869.1
52.5°	1617.8	1637.7	1632.7	1637.7	1625.3	1620.3	1622.7
55°	1386.3	1396.2	1396.2	1396.2	1381.4	1381.4	1381.4
57.5°	1149.8	1152.4	1147.4	1149.8	1147.4	1132.4	1130.0
60°	933.4	933.4	930.8	933.4	925.9	918.4	918.4
62.5°	729.2	734.2	744.2	734.2	729.2	734.2	726.7
65°	545.1	555.0	552.5	557.5	555.0	555.0	550.0
67.5°	410.7	413.2	415.6	418.2	418.2	418.2	418.2
70°	301.2	308.7	306.1	306.1	306.1	306.1	321.1
72.5°	201.6	211.5	209.1	214.0	214.0	219.0	214.0
75°	136.9	146.8	141.9	149.4	146.8	141.9	154.3
77.5°	92.1	97.1	99.6	102.0	99.6	97.1	99.6
80°	64.7	69.7	67.2	69.7	69.7	69.7	72.2
82.5°	39.9	47.3	44.8	47.3	44.8	47.3	47.3
85°	27.4	29.9	24.9	29.9	27.4	27.4	32.4
87.5°	17.4	15.0	15.0	17.4	15.0	17.4	15.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)