

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 ER8B120927 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 ER8B120927 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: 9659.3 lumens  
Efficiency: N/A  
Efficacy: 81.7 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

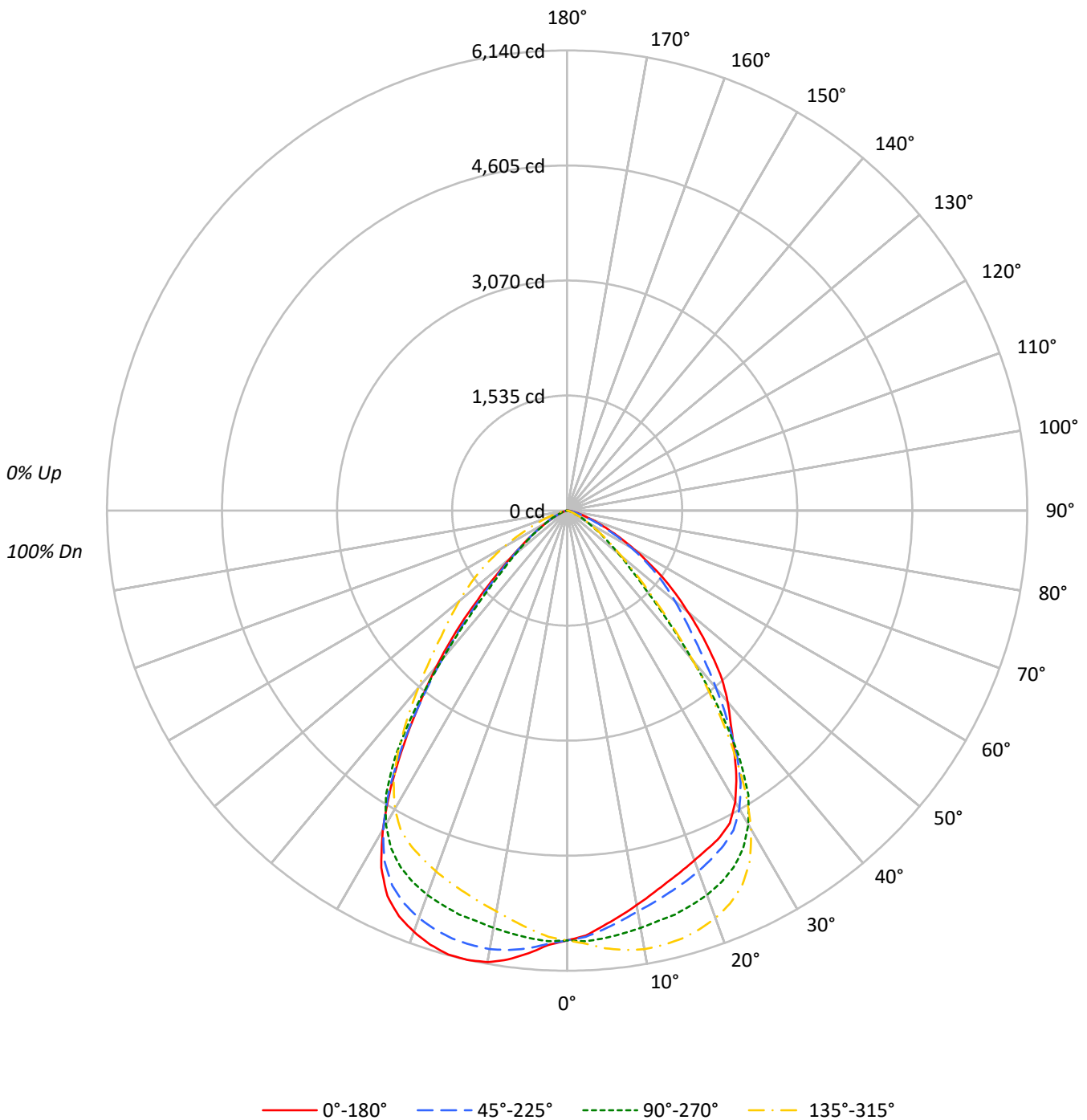
Input Watts (W): 118.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	545.8	5.7
10°-20°	1580.6	16.4
20°-30°	2393.3	24.8
30°-40°	2398.7	24.8
40°-50°	1506.2	15.6
50°-60°	802.7	8.3
60°-70°	330.1	3.4
70°-80°	87.2	0.9
80°-90°	14.7	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°	4519.7	46.8
0°-40°	6918.3	71.6
0°-60°	9227.2	95.5
0°-90°	9659.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9659.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	5734	5734	5734	5734	5734	
5°	5561	5726	5930	5726	5561	524
15°	5138	5578	6132	5578	5138	1453
25°	4813	5253	5676	5253	4813	2208
35°	3881	3990	3786	3990	3881	2431
45°	2733	1462	1691	1462	2733	2102
55°	1554	540	571	540	1554	1386
65°	619	165	151	165	619	642
75°	174	34	28	34	174	197
85°	36	0	3	0	36	40
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°	5734.3	5734.3	5734.3	5734.3	5734.3	5734.3	5734.3	5734.3	5734.3	5734.3	5734.3
2.5°	5675.6	5670.0	5667.2	5672.8	5675.6	5686.8	5684.1	5689.6	5689.6	5692.4	5698.0
5°	5560.9	5558.0	5560.9	5560.9	5572.0	5583.2	5580.4	5588.8	5594.4	5608.5	5614.0
7.5°	5454.4	5454.4	5451.5	5462.8	5468.4	5485.3	5482.3	5496.4	5504.8	5518.8	5538.4
10°	5345.2	5345.2	5347.9	5356.3	5359.3	5384.4	5384.4	5403.9	5415.2	5429.2	5454.4
12.5°	5238.8	5238.8	5255.7	5250.0	5261.2	5280.8	5289.2	5308.8	5325.6	5353.7	5378.8
15°	5138.0	5138.0	5143.6	5157.6	5166.0	5191.2	5205.2	5227.7	5247.2	5275.2	5311.7
17.5°	5051.1	5048.4	5051.1	5068.0	5084.9	5107.2	5118.4	5146.4	5166.0	5202.4	5236.1
20°	4964.4	4970.0	4970.0	4984.0	4995.2	5023.2	5034.4	5065.2	5087.6	5121.1	5160.5
22.5°	4888.8	4886.0	4886.0	4905.7	4914.0	4939.2	4950.3	4978.3	5003.6	5031.6	5068.0
25°	4813.2	4807.6	4818.8	4821.6	4827.2	4855.2	4863.6	4883.2	4908.4	4933.7	4970.0
27.5°	4701.2	4695.6	4698.4	4709.6	4718.0	4740.4	4746.0	4765.6	4785.2	4807.6	4838.4
30°	4485.5	4480.0	4477.3	4496.8	4505.3	4521.9	4530.4	4564.0	4569.5	4594.8	4617.1
32.5°	4200.0	4197.2	4202.8	4219.5	4228.0	4250.5	4261.6	4281.2	4295.1	4309.2	4331.6
35°	3880.8	3875.2	3880.8	3897.7	3897.7	3917.2	3925.7	3933.9	3931.2	3933.9	3928.4
37.5°	3584.0	3581.2	3584.0	3592.4	3584.0	3592.4	3584.0	3567.3	3536.4	3502.8	3469.2
40°	3332.0	3334.7	3318.1	3329.2	3298.4	3292.8	3262.0	3220.0	3158.4	3091.3	2996.1
42.5°	3063.3	3054.8	3043.7	3049.2	3024.0	3004.3	2954.0	2900.8	2822.4	2710.5	2595.6
45°	2732.8	2730.0	2724.4	2721.6	2704.8	2685.3	2643.2	2581.6	2494.8	2380.0	2242.8
47.5°	2410.8	2402.4	2402.4	2405.1	2385.6	2382.8	2349.1	2296.0	2220.4	2108.4	1965.6
50°	2102.7	2099.9	2105.7	2116.8	2102.7	2097.2	2074.8	2038.4	1971.2	1876.0	1741.5
52.5°	1825.5	1822.8	1828.5	1842.4	1836.8	1842.4	1820.0	1792.0	1747.2	1654.8	1537.2
55°	1554.1	1554.1	1554.1	1570.7	1570.7	1570.7	1559.6	1542.8	1500.8	1433.6	1324.5
57.5°	1271.2	1274.0	1290.8	1293.5	1290.8	1296.4	1293.5	1276.8	1248.9	1201.3	1117.2
60°	1033.2	1033.2	1041.6	1050.1	1047.1	1050.1	1050.1	1041.6	1013.6	974.5	907.2
62.5°	817.5	826.0	820.4	826.0	837.2	826.0	820.4	814.8	795.3	769.9	713.9
65°	618.8	624.4	624.4	627.2	621.6	624.4	613.2	604.8	593.7	565.6	529.2
67.5°	470.5	470.5	470.5	470.5	467.6	464.8	462.0	453.6	434.0	422.9	383.5
70°	361.2	344.4	344.4	344.4	344.4	347.3	338.8	327.7	322.0	302.4	274.4
72.5°	240.8	246.4	240.8	240.8	235.2	237.9	226.8	221.2	215.7	204.4	187.6
75°	173.6	159.6	165.2	168.1	159.6	165.2	154.0	142.8	142.8	134.4	126.0
77.5°	112.0	109.2	112.0	114.8	112.0	109.2	103.6	98.0	98.0	95.2	86.7
80°	81.2	78.4	78.4	78.4	75.6	78.4	72.8	72.8	67.2	64.5	58.7
82.5°	53.2	53.2	50.4	53.2	50.4	53.2	44.9	44.9	44.9	42.0	36.4
85°	36.4	30.8	30.8	33.6	28.0	33.6	30.8	28.0	25.2	25.2	22.4
87.5°	16.9	19.6	16.9	19.6	16.9	16.9	19.6	16.9	16.9	11.1	11.1
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°	5734.3	5734.3	5734.3	5734.3	5734.3	5734.3	5734.3	5734.3	5734.3	5734.3	5734.3
2.5°	5706.3	5709.2	5709.2	5720.4	5726.0	5728.7	5728.7	5751.2	5742.8	5748.4	5754.0
5°	5625.2	5642.0	5647.6	5647.6	5678.3	5689.6	5700.7	5726.0	5728.7	5745.6	5765.2
7.5°	5546.8	5566.4	5577.6	5602.7	5622.4	5642.0	5675.6	5692.4	5709.2	5731.7	5756.7
10°	5471.2	5493.6	5516.0	5535.6	5566.4	5591.6	5614.0	5653.1	5672.8	5703.6	5737.2
12.5°	5398.4	5429.2	5448.8	5482.3	5516.0	5538.4	5572.0	5608.5	5639.2	5670.0	5709.2
15°	5334.0	5370.4	5392.8	5429.2	5465.6	5496.4	5532.9	5577.6	5600.0	5636.5	5672.8
17.5°	5264.0	5303.2	5331.3	5364.8	5409.6	5443.2	5474.0	5518.8	5546.8	5586.0	5628.0
20°	5191.2	5230.3	5264.0	5297.6	5342.4	5375.9	5412.4	5457.3	5488.0	5527.1	5560.9
22.5°	5104.5	5140.8	5177.1	5216.3	5261.2	5289.2	5331.3	5370.4	5403.9	5440.4	5474.0
25°	4992.4	5037.2	5065.2	5101.5	5138.0	5168.7	5213.6	5252.7	5280.8	5314.4	5345.2
27.5°	4860.8	4894.4	4916.8	4947.5	4984.0	5012.0	5045.5	5084.9	5112.9	5143.6	5166.0
30°	4636.8	4667.6	4687.2	4709.6	4746.0	4771.2	4799.2	4835.6	4855.2	4877.7	4897.2
32.5°	4342.7	4368.0	4379.2	4395.9	4421.2	4446.3	4468.8	4499.6	4508.0	4521.9	4521.9
35°	3917.2	3922.8	3920.1	3925.7	3936.8	3950.8	3970.4	3989.9	4001.2	4001.2	3992.8
37.5°	3418.8	3385.2	3348.8	3320.8	3312.4	3306.7	3318.1	3326.4	3337.6	3343.2	3329.2
40°	2900.8	2825.2	2744.0	2671.2	2620.8	2598.4	2590.0	2595.6	2595.6	2615.2	2615.2
42.5°	2455.6	2338.0	2217.6	2108.4	2035.6	1979.7	1954.5	1954.5	1957.2	1971.2	1979.7
45°	2086.0	1937.6	1797.5	1677.3	1576.4	1503.6	1470.0	1461.6	1458.8	1464.4	1484.0
47.5°	1803.2	1649.2	1503.6	1355.2	1248.9	1176.0	1145.2	1134.0	1122.8	1134.0	1136.8
50°	1582.1	1422.4	1268.4	1120.0	1008.0	943.5	904.4	887.5	884.8	884.8	890.4
52.5°	1380.4	1232.0	1078.1	926.9	809.2	747.7	711.2	702.8	691.6	702.8	702.8
55°	1189.9	1041.6	890.4	747.7	649.6	585.2	551.6	540.4	534.7	543.2	543.2
57.5°	982.8	856.8	716.8	588.0	490.0	445.2	420.0	406.0	403.2	408.8	403.2
60°	806.4	700.0	579.6	462.0	386.4	338.8	319.3	313.7	307.9	313.7	313.7
62.5°	638.3	548.8	450.8	361.2	296.8	263.2	240.8	240.8	237.9	237.9	240.8
65°	473.2	403.2	333.2	257.6	207.2	182.0	165.2	165.2	162.3	165.2	162.3
67.5°	344.4	296.8	240.8	187.6	148.4	134.4	123.2	114.8	120.5	114.8	112.0
70°	252.0	212.7	173.6	142.8	114.8	100.8	92.5	89.6	84.0	84.0	84.0
72.5°	168.1	142.8	117.6	92.5	75.6	61.5	58.7	53.2	47.6	50.4	56.0
75°	112.0	95.2	84.0	67.2	50.4	50.4	33.6	33.6	28.0	33.6	25.2
77.5°	78.4	64.5	50.4	42.0	33.6	30.8	22.4	22.4	19.6	19.6	19.6
80°	56.0	47.6	36.4	30.8	22.4	22.4	19.6	16.9	14.0	14.0	16.9
82.5°	33.6	25.2	25.2	22.4	14.0	11.1	8.4	11.1	5.6	5.6	5.6
85°	19.6	16.9	14.0	8.4	5.6	5.6	2.8	0.0	2.8	2.8	0.0
87.5°	11.1	5.6	5.6	2.8	0.0	2.8	2.8	0.0	0.0	0.0	5.6
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):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	5734.3	5734.3	5734.3	5734.3	5734.3	5734.3	5734.3	5734.3	5734.3	5734.3	5734.3
2.5°	5768.1	5765.2	5770.8	5770.8	5787.7	5784.8	5793.2	5793.2	5787.7	5790.4	5801.6
5°	5787.7	5796.0	5812.8	5826.8	5851.9	5863.3	5877.2	5891.3	5894.0	5902.4	5910.9
7.5°	5787.7	5815.7	5835.3	5860.3	5894.0	5913.6	5944.4	5969.6	5980.8	5994.8	6011.6
10°	5776.3	5804.3	5840.8	5868.8	5910.9	5941.6	5972.4	6011.6	6028.4	6050.7	6073.2
12.5°	5754.0	5784.8	5823.9	5860.3	5907.9	5936.0	5975.1	6011.6	6036.9	6067.6	6092.8
15°	5720.4	5756.7	5793.2	5829.6	5879.9	5913.6	5950.0	5992.0	6017.2	6050.7	6073.2
17.5°	5667.2	5706.3	5740.1	5773.6	5821.2	5860.3	5894.0	5933.2	5958.4	5986.5	6017.2
20°	5602.7	5639.2	5675.6	5703.6	5751.2	5784.8	5821.2	5857.5	5877.2	5882.8	5930.4
22.5°	5521.6	5546.8	5574.8	5619.6	5647.6	5678.3	5712.1	5745.6	5765.2	5796.0	5812.8
25°	5387.2	5412.4	5443.2	5462.8	5496.4	5521.6	5555.1	5591.6	5602.7	5625.2	5642.0
27.5°	5199.6	5213.6	5227.7	5244.3	5264.0	5278.0	5297.6	5314.4	5325.6	5336.8	5347.9
30°	4902.8	4902.8	4902.8	4891.6	4899.9	4908.4	4911.2	4908.4	4908.4	4905.7	4905.7
32.5°	4510.8	4488.4	4463.2	4440.8	4432.4	4421.2	4415.6	4407.2	4393.2	4384.8	4387.6
35°	3981.6	3931.2	3900.4	3872.4	3850.1	3833.2	3824.8	3816.4	3813.6	3802.5	3791.1
37.5°	3320.8	3284.4	3262.0	3245.2	3225.6	3208.8	3211.5	3214.5	3222.8	3217.2	3220.0
40°	2620.8	2612.4	2620.8	2601.2	2595.6	2601.2	2615.2	2634.9	2646.0	2657.2	2676.8
42.5°	1993.6	2007.6	2027.2	2027.2	2035.6	2046.8	2063.6	2094.4	2111.2	2130.8	2153.2
45°	1500.8	1517.6	1542.8	1551.1	1556.8	1570.7	1590.4	1615.6	1626.8	1643.6	1663.2
47.5°	1156.4	1167.6	1181.6	1195.6	1209.6	1215.2	1234.8	1234.8	1248.9	1260.0	1265.5
50°	901.6	912.8	924.0	932.4	938.0	946.5	952.0	960.4	963.1	968.7	971.6
52.5°	705.6	719.7	719.7	725.2	733.6	741.9	739.2	741.9	744.8	744.8	753.2
55°	551.6	551.6	560.0	560.0	565.6	562.7	565.6	565.6	565.6	565.6	568.5
57.5°	411.5	414.4	422.9	417.2	414.4	420.0	414.4	420.0	417.2	422.9	414.4
60°	316.3	316.3	319.3	319.3	322.0	322.0	322.0	319.3	319.3	316.3	316.3
62.5°	237.9	240.8	243.7	240.8	240.8	240.8	237.9	237.9	235.2	232.3	232.3
65°	159.6	156.8	162.3	156.8	159.6	159.6	156.8	159.6	151.2	154.0	151.2
67.5°	114.8	112.0	109.2	112.0	109.2	106.4	106.4	109.2	112.0	103.6	103.6
70°	75.6	78.4	75.6	78.4	81.2	81.2	78.4	75.6	78.4	72.8	75.6
72.5°	47.6	47.6	47.6	47.6	47.6	50.4	50.4	50.4	44.9	44.9	42.0
75°	22.4	30.8	25.2	22.4	30.8	30.8	28.0	28.0	25.2	25.2	25.2
77.5°	22.4	16.9	16.9	16.9	16.9	16.9	16.9	16.9	14.0	16.9	14.0
80°	11.1	11.1	11.1	8.4	11.1	11.1	14.0	11.1	11.1	8.4	14.0
82.5°	5.6	5.6	5.6	0.0	2.8	5.6	5.6	2.8	5.6	5.6	2.8
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 ER8B120927 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	5734.3	5734.3	5734.3	5734.3	5734.3	5734.3	5734.3	5734.3	5734.3	5734.3	5734.3
2.5°	5798.8	5796.0	5798.8	5801.6	5798.8	5796.0	5798.8	5801.6	5790.4	5787.7	5793.2
5°	5922.0	5922.0	5927.5	5930.4	5927.5	5922.0	5922.0	5910.9	5902.4	5894.0	5891.3
7.5°	6028.4	6034.0	6039.6	6042.4	6039.6	6034.0	6028.4	6011.6	5994.8	5980.8	5969.6
10°	6092.8	6101.2	6112.5	6118.0	6112.5	6101.2	6092.8	6073.2	6050.7	6028.4	6011.6
12.5°	6120.8	6129.2	6143.2	6140.4	6143.2	6129.2	6120.8	6092.8	6067.6	6036.9	6011.6
15°	6101.2	6112.5	6126.4	6132.0	6126.4	6112.5	6101.2	6073.2	6050.7	6017.2	5992.0
17.5°	6039.6	6056.4	6064.8	6073.2	6064.8	6056.4	6039.6	6017.2	5986.5	5958.4	5933.2
20°	5955.5	5966.9	5978.0	5980.8	5978.0	5966.9	5955.5	5930.4	5882.8	5877.2	5857.5
22.5°	5835.3	5843.7	5868.8	5860.3	5868.8	5843.7	5835.3	5812.8	5796.0	5765.2	5745.6
25°	5661.6	5670.0	5672.8	5675.6	5672.8	5670.0	5661.6	5642.0	5625.2	5602.7	5591.6
27.5°	5362.0	5362.0	5367.6	5370.4	5367.6	5362.0	5362.0	5347.9	5336.8	5325.6	5314.4
30°	4908.4	4908.4	4908.4	4922.4	4908.4	4908.4	4908.4	4905.7	4905.7	4908.4	4908.4
32.5°	4384.8	4379.2	4373.7	4379.2	4373.7	4379.2	4384.8	4387.6	4384.8	4393.2	4407.2
35°	3791.1	3788.4	3796.8	3785.6	3796.8	3788.4	3791.1	3791.1	3802.5	3813.6	3816.4
37.5°	3222.8	3217.2	3228.4	3217.2	3228.4	3217.2	3222.8	3220.0	3217.2	3222.8	3214.5
40°	2682.5	2688.0	2688.0	2710.5	2688.0	2688.0	2682.5	2676.8	2657.2	2646.0	2634.9
42.5°	2164.4	2181.3	2175.5	2192.4	2175.5	2181.3	2164.4	2153.2	2130.8	2111.2	2094.4
45°	1674.3	1685.7	1685.7	1691.2	1685.7	1685.7	1674.3	1663.2	1643.6	1626.8	1615.6
47.5°	1285.2	1285.2	1285.2	1288.0	1285.2	1285.2	1285.2	1265.5	1260.0	1248.9	1234.8
50°	977.2	980.0	982.8	985.6	982.8	980.0	977.2	971.6	968.7	963.1	960.4
52.5°	750.4	753.2	747.7	753.2	747.7	753.2	750.4	753.2	744.8	744.8	741.9
55°	568.5	565.6	568.5	571.2	568.5	565.6	568.5	568.5	565.6	565.6	565.6
57.5°	417.2	411.5	411.5	411.5	411.5	411.5	417.2	414.4	422.9	417.2	420.0
60°	310.8	313.7	313.7	316.3	313.7	313.7	310.8	316.3	316.3	319.3	319.3
62.5°	229.6	237.9	232.3	237.9	232.3	237.9	229.6	232.3	232.3	235.2	237.9
65°	148.4	148.4	148.4	151.2	148.4	148.4	148.4	151.2	154.0	151.2	159.6
67.5°	100.8	103.6	109.2	106.4	109.2	103.6	100.8	103.6	103.6	112.0	109.2
70°	81.2	72.8	72.8	81.2	72.8	72.8	81.2	75.6	72.8	78.4	75.6
72.5°	47.6	42.0	47.6	47.6	47.6	42.0	47.6	42.0	44.9	44.9	50.4
75°	25.2	22.4	19.6	28.0	19.6	22.4	25.2	25.2	25.2	25.2	28.0
77.5°	16.9	14.0	19.6	19.6	19.6	14.0	16.9	14.0	16.9	14.0	16.9
80°	8.4	11.1	8.4	14.0	8.4	11.1	8.4	14.0	8.4	11.1	11.1
82.5°	2.8	5.6	5.6	5.6	5.6	5.6	2.8	2.8	5.6	5.6	2.8
85°	0.0	5.6	2.8	2.8	2.8	5.6	0.0	0.0	0.0	0.0	0.0
87.5°	2.8	0.0	0.0	2.8	0.0	0.0	2.8	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 ER8B120927 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	5734.3	5734.3	5734.3	5734.3	5734.3	5734.3	5734.3	5734.3	5734.3	5734.3	5734.3
2.5°	5793.2	5784.8	5787.7	5770.8	5770.8	5765.2	5768.1	5754.0	5748.4	5742.8	5751.2
5°	5877.2	5863.3	5851.9	5826.8	5812.8	5796.0	5787.7	5765.2	5745.6	5728.7	5726.0
7.5°	5944.4	5913.6	5894.0	5860.3	5835.3	5815.7	5787.7	5756.7	5731.7	5709.2	5692.4
10°	5972.4	5941.6	5910.9	5868.8	5840.8	5804.3	5776.3	5737.2	5703.6	5672.8	5653.1
12.5°	5975.1	5936.0	5907.9	5860.3	5823.9	5784.8	5754.0	5709.2	5670.0	5639.2	5608.5
15°	5950.0	5913.6	5879.9	5829.6	5793.2	5756.7	5720.4	5672.8	5636.5	5600.0	5577.6
17.5°	5894.0	5860.3	5821.2	5773.6	5740.1	5706.3	5667.2	5628.0	5586.0	5546.8	5518.8
20°	5821.2	5784.8	5751.2	5703.6	5675.6	5639.2	5602.7	5560.9	5527.1	5488.0	5457.3
22.5°	5712.1	5678.3	5647.6	5619.6	5574.8	5546.8	5521.6	5474.0	5440.4	5403.9	5370.4
25°	5555.1	5521.6	5496.4	5462.8	5443.2	5412.4	5387.2	5345.2	5314.4	5280.8	5252.7
27.5°	5297.6	5278.0	5264.0	5244.3	5227.7	5213.6	5199.6	5166.0	5143.6	5112.9	5084.9
30°	4911.2	4908.4	4899.9	4891.6	4902.8	4902.8	4902.8	4897.2	4877.7	4855.2	4835.6
32.5°	4415.6	4421.2	4432.4	4440.8	4463.2	4488.4	4510.8	4521.9	4521.9	4508.0	4499.6
35°	3824.8	3833.2	3850.1	3872.4	3900.4	3931.2	3981.6	3992.8	4001.2	4001.2	3989.9
37.5°	3211.5	3208.8	3225.6	3245.2	3262.0	3284.4	3320.8	3329.2	3343.2	3337.6	3326.4
40°	2615.2	2601.2	2595.6	2601.2	2620.8	2612.4	2620.8	2615.2	2615.2	2595.6	2595.6
42.5°	2063.6	2046.8	2035.6	2027.2	2027.2	2007.6	1993.6	1979.7	1971.2	1957.2	1954.5
45°	1590.4	1570.7	1556.8	1551.1	1542.8	1517.6	1500.8	1484.0	1464.4	1458.8	1461.6
47.5°	1234.8	1215.2	1209.6	1195.6	1181.6	1167.6	1156.4	1136.8	1134.0	1122.8	1134.0
50°	952.0	946.5	938.0	932.4	924.0	912.8	901.6	890.4	884.8	884.8	887.5
52.5°	739.2	741.9	733.6	725.2	719.7	719.7	705.6	702.8	702.8	691.6	702.8
55°	565.6	562.7	565.6	560.0	560.0	551.6	551.6	543.2	543.2	534.7	540.4
57.5°	414.4	420.0	414.4	417.2	422.9	414.4	411.5	403.2	408.8	403.2	406.0
60°	322.0	322.0	322.0	319.3	319.3	316.3	316.3	313.7	313.7	307.9	313.7
62.5°	237.9	240.8	240.8	240.8	243.7	240.8	237.9	240.8	237.9	237.9	240.8
65°	156.8	159.6	159.6	156.8	162.3	156.8	159.6	162.3	165.2	162.3	165.2
67.5°	106.4	106.4	109.2	112.0	109.2	112.0	114.8	112.0	114.8	120.5	114.8
70°	78.4	81.2	81.2	78.4	75.6	78.4	75.6	84.0	84.0	84.0	89.6
72.5°	50.4	50.4	47.6	47.6	47.6	47.6	47.6	56.0	50.4	47.6	53.2
75°	28.0	30.8	30.8	22.4	25.2	30.8	22.4	25.2	33.6	28.0	33.6
77.5°	16.9	16.9	16.9	16.9	16.9	16.9	22.4	19.6	19.6	19.6	22.4
80°	14.0	11.1	11.1	8.4	11.1	11.1	11.1	16.9	14.0	14.0	16.9
82.5°	5.6	5.6	2.8	0.0	5.6	5.6	5.6	5.6	5.6	5.6	11.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	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 ER8B120927 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	5734.3	5734.3	5734.3	5734.3	5734.3	5734.3	5734.3	5734.3	5734.3	5734.3	5734.3
2.5°	5728.7	5728.7	5726.0	5720.4	5709.2	5709.2	5706.3	5698.0	5692.4	5689.6	5689.6
5°	5700.7	5689.6	5678.3	5647.6	5647.6	5642.0	5625.2	5614.0	5608.5	5594.4	5588.8
7.5°	5675.6	5642.0	5622.4	5602.7	5577.6	5566.4	5546.8	5538.4	5518.8	5504.8	5496.4
10°	5614.0	5591.6	5566.4	5535.6	5516.0	5493.6	5471.2	5454.4	5429.2	5415.2	5403.9
12.5°	5572.0	5538.4	5516.0	5482.3	5448.8	5429.2	5398.4	5378.8	5353.7	5325.6	5308.8
15°	5532.9	5496.4	5465.6	5429.2	5392.8	5370.4	5334.0	5311.7	5275.2	5247.2	5227.7
17.5°	5474.0	5443.2	5409.6	5364.8	5331.3	5303.2	5264.0	5236.1	5202.4	5166.0	5146.4
20°	5412.4	5375.9	5342.4	5297.6	5264.0	5230.3	5191.2	5160.5	5121.1	5087.6	5065.2
22.5°	5331.3	5289.2	5261.2	5216.3	5177.1	5140.8	5104.5	5068.0	5031.6	5003.6	4978.3
25°	5213.6	5168.7	5138.0	5101.5	5065.2	5037.2	4992.4	4970.0	4933.7	4908.4	4883.2
27.5°	5045.5	5012.0	4984.0	4947.5	4916.8	4894.4	4860.8	4838.4	4807.6	4785.2	4765.6
30°	4799.2	4771.2	4746.0	4709.6	4687.2	4667.6	4636.8	4617.1	4594.8	4569.5	4564.0
32.5°	4468.8	4446.3	4421.2	4395.9	4379.2	4368.0	4342.7	4331.6	4309.2	4295.1	4281.2
35°	3970.4	3950.8	3936.8	3925.7	3920.1	3922.8	3917.2	3928.4	3933.9	3931.2	3933.9
37.5°	3318.1	3306.7	3312.4	3320.8	3348.8	3385.2	3418.8	3469.2	3502.8	3536.4	3567.3
40°	2590.0	2598.4	2620.8	2671.2	2744.0	2825.2	2900.8	2996.1	3091.3	3158.4	3220.0
42.5°	1954.5	1979.7	2035.6	2108.4	2217.6	2338.0	2455.6	2595.6	2710.5	2822.4	2900.8
45°	1470.0	1503.6	1576.4	1677.3	1797.5	1937.6	2086.0	2242.8	2380.0	2494.8	2581.6
47.5°	1145.2	1176.0	1248.9	1355.2	1503.6	1649.2	1803.2	1965.6	2108.4	2220.4	2296.0
50°	904.4	943.5	1008.0	1120.0	1268.4	1422.4	1582.1	1741.5	1876.0	1971.2	2038.4
52.5°	711.2	747.7	809.2	926.9	1078.1	1232.0	1380.4	1537.2	1654.8	1747.2	1792.0
55°	551.6	585.2	649.6	747.7	890.4	1041.6	1189.9	1324.5	1433.6	1500.8	1542.8
57.5°	420.0	445.2	490.0	588.0	716.8	856.8	982.8	1117.2	1201.3	1248.9	1276.8
60°	319.3	338.8	386.4	462.0	579.6	700.0	806.4	907.2	974.5	1013.6	1041.6
62.5°	240.8	263.2	296.8	361.2	450.8	548.8	638.3	713.9	769.9	795.3	814.8
65°	165.2	182.0	207.2	257.6	333.2	403.2	473.2	529.2	565.6	593.7	604.8
67.5°	123.2	134.4	148.4	187.6	240.8	296.8	344.4	383.5	422.9	434.0	453.6
70°	92.5	100.8	114.8	142.8	173.6	212.7	252.0	274.4	302.4	322.0	327.7
72.5°	58.7	61.5	75.6	92.5	117.6	142.8	168.1	187.6	204.4	215.7	221.2
75°	33.6	50.4	50.4	67.2	84.0	95.2	112.0	126.0	134.4	142.8	142.8
77.5°	22.4	30.8	33.6	42.0	50.4	64.5	78.4	86.7	95.2	98.0	98.0
80°	19.6	22.4	22.4	30.8	36.4	47.6	56.0	58.7	64.5	67.2	72.8
82.5°	8.4	11.1	14.0	22.4	25.2	25.2	33.6	36.4	42.0	44.9	44.9
85°	2.8	5.6	5.6	8.4	14.0	16.9	19.6	22.4	25.2	25.2	28.0
87.5°	2.8	2.8	0.0	2.8	5.6	5.6	11.1	11.1	11.1	16.9	16.9
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 ER8B120927 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	5734.3	5734.3	5734.3	5734.3	5734.3	5734.3	5734.3
2.5°	5684.1	5686.8	5675.6	5672.8	5667.2	5670.0	5675.6
5°	5580.4	5583.2	5572.0	5560.9	5560.9	5558.0	5560.9
7.5°	5482.3	5485.3	5468.4	5462.8	5451.5	5454.4	5454.4
10°	5384.4	5384.4	5359.3	5356.3	5347.9	5345.2	5345.2
12.5°	5289.2	5280.8	5261.2	5250.0	5255.7	5238.8	5238.8
15°	5205.2	5191.2	5166.0	5157.6	5143.6	5138.0	5138.0
17.5°	5118.4	5107.2	5084.9	5068.0	5051.1	5048.4	5051.1
20°	5034.4	5023.2	4995.2	4984.0	4970.0	4970.0	4964.4
22.5°	4950.3	4939.2	4914.0	4905.7	4886.0	4886.0	4888.8
25°	4863.6	4855.2	4827.2	4821.6	4818.8	4807.6	4813.2
27.5°	4746.0	4740.4	4718.0	4709.6	4698.4	4695.6	4701.2
30°	4530.4	4521.9	4505.3	4496.8	4477.3	4480.0	4485.5
32.5°	4261.6	4250.5	4228.0	4219.5	4202.8	4197.2	4200.0
35°	3925.7	3917.2	3897.7	3897.7	3880.8	3875.2	3880.8
37.5°	3584.0	3592.4	3584.0	3592.4	3584.0	3581.2	3584.0
40°	3262.0	3292.8	3298.4	3329.2	3318.1	3334.7	3332.0
42.5°	2954.0	3004.3	3024.0	3049.2	3043.7	3054.8	3063.3
45°	2643.2	2685.3	2704.8	2721.6	2724.4	2730.0	2732.8
47.5°	2349.1	2382.8	2385.6	2405.1	2402.4	2402.4	2410.8
50°	2074.8	2097.2	2102.7	2116.8	2105.7	2099.9	2102.7
52.5°	1820.0	1842.4	1836.8	1842.4	1828.5	1822.8	1825.5
55°	1559.6	1570.7	1570.7	1570.7	1554.1	1554.1	1554.1
57.5°	1293.5	1296.4	1290.8	1293.5	1290.8	1274.0	1271.2
60°	1050.1	1050.1	1047.1	1050.1	1041.6	1033.2	1033.2
62.5°	820.4	826.0	837.2	826.0	820.4	826.0	817.5
65°	613.2	624.4	621.6	627.2	624.4	624.4	618.8
67.5°	462.0	464.8	467.6	470.5	470.5	470.5	470.5
70°	338.8	347.3	344.4	344.4	344.4	344.4	361.2
72.5°	226.8	237.9	235.2	240.8	240.8	246.4	240.8
75°	154.0	165.2	159.6	168.1	165.2	159.6	173.6
77.5°	103.6	109.2	112.0	114.8	112.0	109.2	112.0
80°	72.8	78.4	75.6	78.4	78.4	78.4	81.2
82.5°	44.9	53.2	50.4	53.2	50.4	53.2	53.2
85°	30.8	33.6	28.0	33.6	30.8	30.8	36.4
87.5°	19.6	16.9	16.9	19.6	16.9	19.6	16.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)