

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: P248753

Luminaire Tested: **LD8B100D010 ER8B1009730 8LBSW0WMH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P248753  
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 ER8B1009730 8LBSW0WMH  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
97 CRI 3000 CCT WITH WARM HAZE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7943.0 lumens  
Efficiency: N/A  
Efficacy: 74.7 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

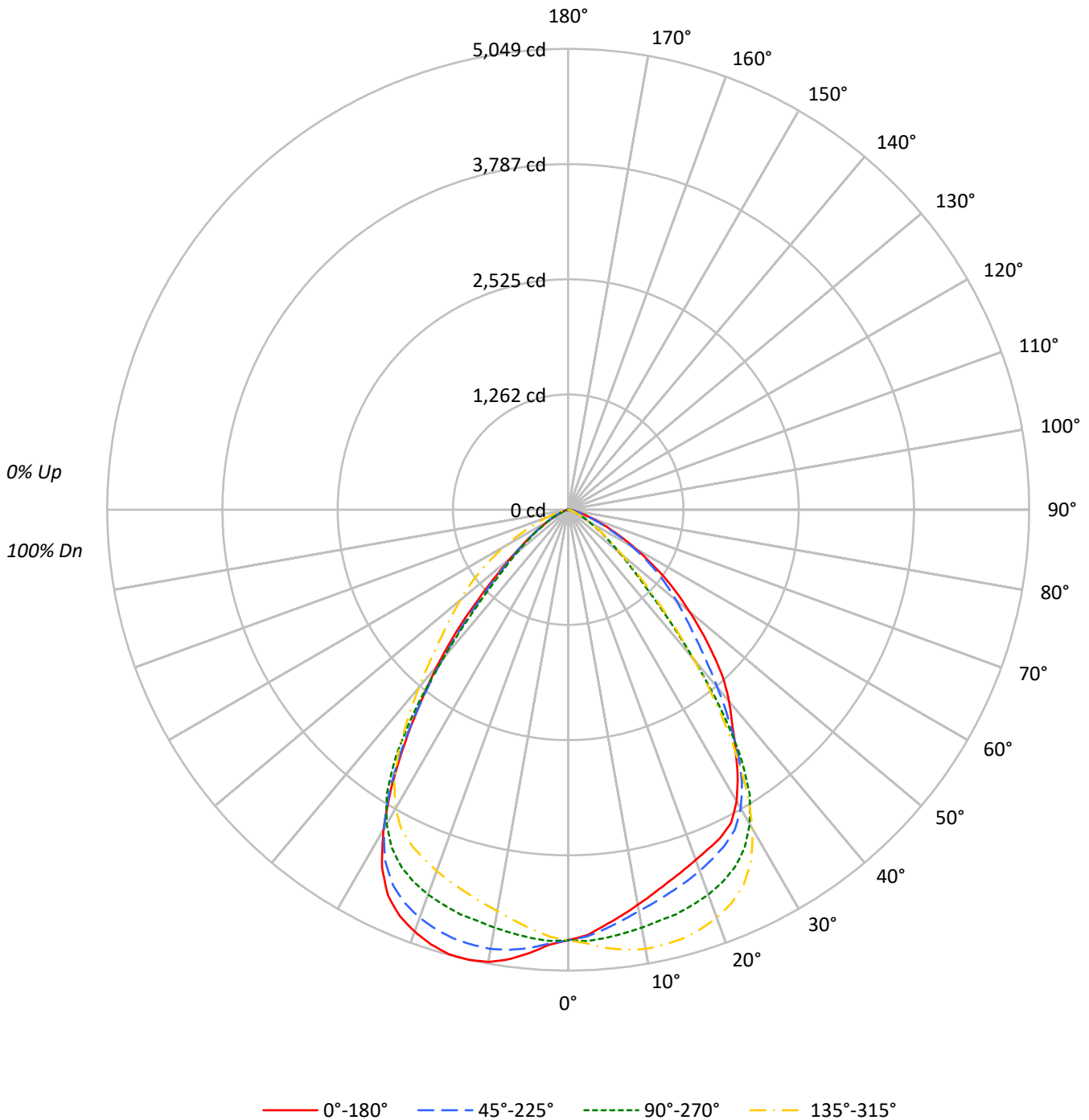
Input Watts (W): 106.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	448.8	5.7
10°-20°	1299.7	16.4
20°-30°	1968.1	24.8
30°-40°	1972.5	24.8
40°-50°	1238.6	15.6
50°-60°	660.1	8.3
60°-70°	271.4	3.4
70°-80°	71.7	0.9
80°-90°	12.1	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°	3716.6	46.8
0°-40°	5689.1	71.6
0°-60°	7587.7	95.5
0°-90°	7943.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7943.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	4716	4716	4716	4716	4716	
5°	4573	4709	4877	4709	4573	431
15°	4225	4587	5042	4587	4225	1195
25°	3958	4320	4667	4320	3958	1815
35°	3191	3281	3113	3281	3191	1999
45°	2247	1202	1391	1202	2247	1728
55°	1278	444	470	444	1278	1139
65°	509	136	124	136	509	528
75°	143	28	23	28	143	162
85°	30	0	2	0	30	33
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°	4715.5	4715.5	4715.5	4715.5	4715.5	4715.5	4715.5	4715.5	4715.5	4715.5	4715.5
2.5°	4667.2	4662.5	4660.3	4664.9	4667.2	4676.4	4674.1	4678.6	4678.6	4681.0	4685.6
5°	4572.8	4570.4	4572.8	4572.8	4582.0	4591.2	4588.9	4595.8	4600.4	4611.9	4616.5
7.5°	4485.3	4485.3	4482.9	4492.1	4496.8	4510.6	4508.2	4519.8	4526.7	4538.2	4554.3
10°	4395.5	4395.5	4397.7	4404.7	4407.0	4427.7	4427.7	4443.8	4453.0	4464.5	4485.3
12.5°	4308.0	4308.0	4321.8	4317.2	4326.4	4342.5	4349.4	4365.5	4379.3	4402.4	4423.1
15°	4225.1	4225.1	4229.7	4241.2	4248.1	4268.8	4280.3	4298.8	4314.9	4337.9	4367.9
17.5°	4153.7	4151.4	4153.7	4167.5	4181.4	4199.8	4208.9	4232.0	4248.1	4278.0	4305.7
20°	4082.3	4087.0	4087.0	4098.4	4107.6	4130.7	4139.9	4165.3	4183.6	4211.2	4243.5
22.5°	4020.2	4017.9	4017.9	4034.0	4040.9	4061.6	4070.8	4093.8	4114.6	4137.6	4167.5
25°	3958.0	3953.3	3962.6	3964.9	3969.5	3992.5	3999.4	4015.5	4036.3	4057.0	4087.0
27.5°	3865.9	3861.3	3863.6	3872.8	3879.7	3898.1	3902.7	3918.8	3935.0	3953.3	3978.7
30°	3688.6	3684.0	3681.7	3697.8	3704.8	3718.5	3725.4	3753.1	3757.6	3778.4	3796.8
32.5°	3453.7	3451.4	3456.1	3469.8	3476.7	3495.2	3504.4	3520.5	3532.0	3543.5	3561.9
35°	3191.3	3186.6	3191.3	3205.1	3205.1	3221.2	3228.1	3235.0	3232.7	3235.0	3230.4
37.5°	2947.2	2944.9	2947.2	2954.1	2947.2	2954.1	2947.2	2933.4	2908.1	2880.4	2852.8
40°	2740.0	2742.2	2728.5	2737.7	2712.3	2707.7	2682.4	2647.9	2597.2	2542.0	2463.7
42.5°	2519.0	2512.0	2502.9	2507.4	2486.7	2470.5	2429.1	2385.4	2320.9	2228.9	2134.4
45°	2247.2	2245.0	2240.3	2238.1	2224.2	2208.1	2173.5	2122.9	2051.5	1957.1	1844.3
47.5°	1982.5	1975.5	1975.5	1977.8	1961.7	1959.4	1931.8	1888.1	1825.9	1733.8	1616.3
50°	1729.1	1726.9	1731.5	1740.7	1729.1	1724.6	1706.2	1676.2	1621.0	1542.7	1432.1
52.5°	1501.2	1498.9	1503.6	1515.0	1510.4	1515.0	1496.6	1473.6	1436.8	1360.7	1264.1
55°	1277.9	1277.9	1277.9	1291.7	1291.7	1291.7	1282.5	1268.7	1234.1	1178.9	1089.1
57.5°	1045.3	1047.6	1061.5	1063.7	1061.5	1066.1	1063.7	1049.9	1027.0	987.8	918.7
60°	849.6	849.6	856.6	863.5	861.1	863.5	863.5	856.6	833.5	801.3	746.1
62.5°	672.3	679.2	674.6	679.2	688.4	679.2	674.6	670.0	653.9	633.2	587.1
65°	508.8	513.5	513.5	515.8	511.1	513.5	504.3	497.4	488.2	465.1	435.2
67.5°	386.9	386.9	386.9	386.9	384.5	382.2	379.9	373.0	356.9	347.7	315.4
70°	297.0	283.2	283.2	283.2	283.2	285.5	278.6	269.4	264.8	248.7	225.7
72.5°	198.0	202.6	198.0	198.0	193.4	195.7	186.5	181.9	177.3	168.1	154.3
75°	142.7	131.3	135.8	138.2	131.3	135.8	126.6	117.4	117.4	110.5	103.6
77.5°	92.1	89.8	92.1	94.4	92.1	89.8	85.2	80.6	80.6	78.3	71.4
80°	66.8	64.4	64.4	64.4	62.2	64.4	59.9	59.9	55.3	53.0	48.3
82.5°	43.8	43.8	41.4	43.8	41.4	43.8	36.9	36.9	36.9	34.5	29.9
85°	29.9	25.3	25.3	27.7	23.0	27.7	25.3	23.0	20.8	20.8	18.4
87.5°	13.8	16.1	13.8	16.1	13.8	13.8	16.1	13.8	13.8	9.2	9.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	4715.5	4715.5	4715.5	4715.5	4715.5	4715.5	4715.5	4715.5	4715.5	4715.5	4715.5
2.5°	4692.5	4694.8	4694.8	4704.0	4708.6	4710.9	4710.9	4729.3	4722.4	4727.1	4731.6
5°	4625.8	4639.5	4644.1	4644.1	4669.4	4678.6	4687.8	4708.6	4710.9	4724.7	4740.8
7.5°	4561.2	4577.3	4586.6	4607.3	4623.4	4639.5	4667.2	4681.0	4694.8	4713.2	4733.9
10°	4499.0	4517.5	4535.9	4552.0	4577.3	4598.1	4616.5	4648.7	4664.9	4690.2	4717.8
12.5°	4439.2	4464.5	4480.7	4508.2	4535.9	4554.3	4582.0	4611.9	4637.2	4662.5	4694.8
15°	4386.3	4416.2	4434.6	4464.5	4494.5	4519.8	4549.8	4586.6	4605.0	4635.0	4664.9
17.5°	4328.6	4361.0	4384.0	4411.6	4448.4	4476.0	4501.4	4538.2	4561.2	4593.4	4628.0
20°	4268.8	4301.1	4328.6	4356.3	4393.2	4420.8	4450.7	4487.6	4512.9	4545.1	4572.8
22.5°	4197.5	4227.4	4257.3	4289.5	4326.4	4349.4	4384.0	4416.2	4443.8	4473.7	4501.4
25°	4105.4	4142.2	4165.3	4195.1	4225.1	4250.4	4287.2	4319.5	4342.5	4370.2	4395.5
27.5°	3997.1	4024.8	4043.2	4068.5	4098.4	4121.5	4149.1	4181.4	4204.4	4229.7	4248.1
30°	3812.9	3838.3	3854.4	3872.8	3902.7	3923.5	3946.5	3976.4	3992.5	4011.0	4027.1
32.5°	3571.1	3591.9	3601.1	3614.9	3635.7	3656.3	3674.8	3700.1	3707.0	3718.5	3718.5
35°	3221.2	3225.8	3223.5	3228.1	3237.3	3248.8	3264.9	3281.0	3290.2	3290.2	3283.4
37.5°	2811.3	2783.8	2753.8	2730.8	2723.9	2719.2	2728.5	2735.3	2744.6	2749.2	2737.7
40°	2385.4	2323.3	2256.4	2196.5	2155.1	2136.7	2129.8	2134.4	2134.4	2150.5	2150.5
42.5°	2019.3	1922.6	1823.6	1733.8	1673.9	1627.9	1607.2	1607.2	1609.4	1621.0	1627.9
45°	1715.4	1593.3	1478.2	1379.2	1296.3	1236.4	1208.8	1201.9	1199.6	1204.2	1220.3
47.5°	1482.8	1356.2	1236.4	1114.4	1027.0	967.1	941.8	932.5	923.3	932.5	934.8
50°	1300.9	1169.7	1043.1	921.0	828.9	775.9	743.7	729.8	727.6	727.6	732.2
52.5°	1135.1	1013.1	886.5	762.2	665.4	614.8	584.8	577.9	568.7	577.9	577.9
55°	978.5	856.6	732.2	614.8	534.1	481.3	453.6	444.4	439.7	446.7	446.7
57.5°	808.2	704.5	589.5	483.5	403.0	366.1	345.4	333.9	331.5	336.2	331.5
60°	663.1	575.6	476.6	379.9	317.8	278.6	262.5	257.9	253.2	257.9	257.9
62.5°	524.9	451.3	370.7	297.0	244.0	216.5	198.0	198.0	195.7	195.7	198.0
65°	389.1	331.5	274.0	211.8	170.4	149.6	135.8	135.8	133.5	135.8	133.5
67.5°	283.2	244.0	198.0	154.3	122.1	110.5	101.3	94.4	99.0	94.4	92.1
70°	207.3	175.0	142.7	117.4	94.4	82.9	76.0	73.6	69.1	69.1	69.1
72.5°	138.2	117.4	96.7	76.0	62.2	50.6	48.3	43.8	39.1	41.4	46.1
75°	92.1	78.3	69.1	55.3	41.4	41.4	27.7	27.7	23.0	27.7	20.8
77.5°	64.4	53.0	41.4	34.5	27.7	25.3	18.4	18.4	16.1	16.1	16.1
80°	46.1	39.1	29.9	25.3	18.4	18.4	16.1	13.8	11.5	11.5	13.8
82.5°	27.7	20.8	20.8	18.4	11.5	9.2	6.9	9.2	4.6	4.6	4.6
85°	16.1	13.8	11.5	6.9	4.6	4.6	2.3	0.0	2.3	2.3	0.0
87.5°	9.2	4.6	4.6	2.3	0.0	2.3	2.3	0.0	0.0	0.0	4.6
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°	4715.5	4715.5	4715.5	4715.5	4715.5	4715.5	4715.5	4715.5	4715.5	4715.5	4715.5
2.5°	4743.2	4740.8	4745.5	4745.5	4759.3	4756.9	4763.8	4763.8	4759.3	4761.6	4770.8
5°	4759.3	4766.2	4780.0	4791.5	4812.2	4821.5	4832.9	4844.5	4846.8	4853.7	4860.6
7.5°	4759.3	4782.3	4798.4	4819.1	4846.8	4862.9	4888.2	4908.9	4918.1	4929.6	4943.4
10°	4750.0	4773.0	4803.0	4826.0	4860.6	4885.9	4911.2	4943.4	4957.3	4975.7	4994.1
12.5°	4731.6	4756.9	4789.1	4819.1	4858.2	4881.3	4913.5	4943.4	4964.2	4989.5	5010.3
15°	4704.0	4733.9	4763.8	4793.8	4835.2	4862.9	4892.8	4927.3	4948.1	4975.7	4994.1
17.5°	4660.3	4692.5	4720.2	4747.7	4786.9	4819.1	4846.8	4879.0	4899.7	4922.8	4948.1
20°	4607.3	4637.2	4667.2	4690.2	4729.3	4756.9	4786.9	4816.8	4832.9	4837.6	4876.7
22.5°	4540.6	4561.2	4584.2	4621.1	4644.1	4669.4	4697.1	4724.7	4740.8	4766.2	4780.0
25°	4430.0	4450.7	4476.0	4492.1	4519.8	4540.6	4568.1	4598.1	4607.3	4625.8	4639.5
27.5°	4275.8	4287.2	4298.8	4312.5	4328.6	4340.2	4356.3	4370.2	4379.3	4388.5	4397.7
30°	4031.6	4031.6	4031.6	4022.4	4029.4	4036.3	4038.5	4036.3	4036.3	4034.0	4034.0
32.5°	3709.3	3690.9	3670.2	3651.8	3644.9	3635.7	3631.0	3624.1	3612.6	3605.7	3608.0
35°	3274.1	3232.7	3207.4	3184.4	3166.0	3152.1	3145.2	3138.3	3136.0	3126.8	3117.5
37.5°	2730.8	2700.8	2682.4	2668.6	2652.5	2638.7	2640.9	2643.3	2650.1	2645.6	2647.9
40°	2155.1	2148.2	2155.1	2139.0	2134.4	2139.0	2150.5	2166.7	2175.9	2185.1	2201.2
42.5°	1639.4	1650.8	1667.1	1667.1	1673.9	1683.2	1696.9	1722.3	1736.0	1752.2	1770.6
45°	1234.1	1248.0	1268.7	1275.5	1280.2	1291.7	1307.9	1328.5	1337.7	1351.6	1367.7
47.5°	950.9	960.1	971.6	983.2	994.6	999.3	1015.4	1015.4	1027.0	1036.1	1040.7
50°	741.4	750.6	759.8	766.7	771.4	778.3	782.8	789.7	792.0	796.7	798.9
52.5°	580.2	591.8	591.8	596.3	603.2	610.1	607.9	610.1	612.4	612.4	619.3
55°	453.6	453.6	460.5	460.5	465.1	462.8	465.1	465.1	465.1	465.1	467.4
57.5°	338.4	340.8	347.7	343.1	340.8	345.4	340.8	345.4	343.1	347.7	340.8
60°	260.2	260.2	262.5	262.5	264.8	264.8	264.8	262.5	262.5	260.2	260.2
62.5°	195.7	198.0	200.3	198.0	198.0	198.0	195.7	195.7	193.4	191.1	191.1
65°	131.3	129.0	133.5	129.0	131.3	131.3	129.0	131.3	124.3	126.6	124.3
67.5°	94.4	92.1	89.8	92.1	89.8	87.5	87.5	89.8	92.1	85.2	85.2
70°	62.2	64.4	62.2	64.4	66.8	66.8	64.4	62.2	64.4	59.9	62.2
72.5°	39.1	39.1	39.1	39.1	39.1	41.4	41.4	41.4	36.9	36.9	34.5
75°	18.4	25.3	20.8	18.4	25.3	25.3	23.0	23.0	20.8	20.8	20.8
77.5°	18.4	13.8	13.8	13.8	13.8	13.8	13.8	13.8	11.5	13.8	11.5
80°	9.2	9.2	9.2	6.9	9.2	9.2	11.5	9.2	9.2	6.9	11.5
82.5°	4.6	4.6	4.6	0.0	2.3	4.6	4.6	2.3	4.6	4.6	2.3
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: P248753

CATALOG NUMBER: LD8B100D010 ER8B1009730 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	4715.5	4715.5	4715.5	4715.5	4715.5	4715.5	4715.5	4715.5	4715.5	4715.5	4715.5
2.5°	4768.5	4766.2	4768.5	4770.8	4768.5	4766.2	4768.5	4770.8	4761.6	4759.3	4763.8
5°	4869.8	4869.8	4874.3	4876.7	4874.3	4869.8	4869.8	4860.6	4853.7	4846.8	4844.5
7.5°	4957.3	4961.9	4966.5	4968.7	4966.5	4961.9	4957.3	4943.4	4929.6	4918.1	4908.9
10°	5010.3	5017.2	5026.4	5030.9	5026.4	5017.2	5010.3	4994.1	4975.7	4957.3	4943.4
12.5°	5033.3	5040.2	5051.7	5049.4	5051.7	5040.2	5033.3	5010.3	4989.5	4964.2	4943.4
15°	5017.2	5026.4	5037.8	5042.5	5037.8	5026.4	5017.2	4994.1	4975.7	4948.1	4927.3
17.5°	4966.5	4980.3	4987.2	4994.1	4987.2	4980.3	4966.5	4948.1	4922.8	4899.7	4879.0
20°	4897.4	4906.7	4915.9	4918.1	4915.9	4906.7	4897.4	4876.7	4837.6	4832.9	4816.8
22.5°	4798.4	4805.4	4826.0	4819.1	4826.0	4805.4	4798.4	4780.0	4766.2	4740.8	4724.7
25°	4655.6	4662.5	4664.9	4667.2	4664.9	4662.5	4655.6	4639.5	4625.8	4607.3	4598.1
27.5°	4409.3	4409.3	4413.8	4416.2	4413.8	4409.3	4409.3	4397.7	4388.5	4379.3	4370.2
30°	4036.3	4036.3	4036.3	4047.8	4036.3	4036.3	4036.3	4034.0	4034.0	4036.3	4036.3
32.5°	3605.7	3601.1	3596.5	3601.1	3596.5	3601.1	3605.7	3608.0	3605.7	3612.6	3624.1
35°	3117.5	3115.3	3122.2	3113.0	3122.2	3115.3	3117.5	3117.5	3126.8	3136.0	3138.3
37.5°	2650.1	2645.6	2654.8	2645.6	2654.8	2645.6	2650.1	2647.9	2645.6	2650.1	2643.3
40°	2205.8	2210.4	2210.4	2228.9	2210.4	2210.4	2205.8	2201.2	2185.1	2175.9	2166.7
42.5°	1779.8	1793.7	1789.0	1802.9	1789.0	1793.7	1779.8	1770.6	1752.2	1736.0	1722.3
45°	1376.9	1386.1	1386.1	1390.7	1386.1	1386.1	1376.9	1367.7	1351.6	1337.7	1328.5
47.5°	1056.8	1056.8	1056.8	1059.2	1056.8	1056.8	1056.8	1040.7	1036.1	1027.0	1015.4
50°	803.6	805.9	808.2	810.5	808.2	805.9	803.6	798.9	796.7	792.0	789.7
52.5°	617.1	619.3	614.8	619.3	614.8	619.3	617.1	619.3	612.4	612.4	610.1
55°	467.4	465.1	467.4	469.7	467.4	465.1	467.4	467.4	465.1	465.1	465.1
57.5°	343.1	338.4	338.4	338.4	338.4	338.4	343.1	340.8	347.7	343.1	345.4
60°	255.6	257.9	257.9	260.2	257.9	257.9	255.6	260.2	260.2	262.5	262.5
62.5°	188.8	195.7	191.1	195.7	191.1	195.7	188.8	191.1	191.1	193.4	195.7
65°	122.1	122.1	122.1	124.3	122.1	122.1	122.1	124.3	126.6	124.3	131.3
67.5°	82.9	85.2	89.8	87.5	89.8	85.2	82.9	85.2	85.2	92.1	89.8
70°	66.8	59.9	59.9	66.8	59.9	59.9	66.8	62.2	59.9	64.4	62.2
72.5°	39.1	34.5	39.1	39.1	39.1	34.5	39.1	34.5	36.9	36.9	41.4
75°	20.8	18.4	16.1	23.0	16.1	18.4	20.8	20.8	20.8	20.8	23.0
77.5°	13.8	11.5	16.1	16.1	16.1	11.5	13.8	11.5	13.8	11.5	13.8
80°	6.9	9.2	6.9	11.5	6.9	9.2	6.9	11.5	6.9	9.2	9.2
82.5°	2.3	4.6	4.6	4.6	4.6	4.6	2.3	2.3	4.6	4.6	2.3
85°	0.0	4.6	2.3	2.3	2.3	4.6	0.0	0.0	0.0	0.0	0.0
87.5°	2.3	0.0	0.0	2.3	0.0	0.0	2.3	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: P248753

CATALOG NUMBER: LD8B100D010 ER8B1009730 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	4715.5	4715.5	4715.5	4715.5	4715.5	4715.5	4715.5	4715.5	4715.5	4715.5	4715.5
2.5°	4763.8	4756.9	4759.3	4745.5	4745.5	4740.8	4743.2	4731.6	4727.1	4722.4	4729.3
5°	4832.9	4821.5	4812.2	4791.5	4780.0	4766.2	4759.3	4740.8	4724.7	4710.9	4708.6
7.5°	4888.2	4862.9	4846.8	4819.1	4798.4	4782.3	4759.3	4733.9	4713.2	4694.8	4681.0
10°	4911.2	4885.9	4860.6	4826.0	4803.0	4773.0	4750.0	4717.8	4690.2	4664.9	4648.7
12.5°	4913.5	4881.3	4858.2	4819.1	4789.1	4756.9	4731.6	4694.8	4662.5	4637.2	4611.9
15°	4892.8	4862.9	4835.2	4793.8	4763.8	4733.9	4704.0	4664.9	4635.0	4605.0	4586.6
17.5°	4846.8	4819.1	4786.9	4747.7	4720.2	4692.5	4660.3	4628.0	4593.4	4561.2	4538.2
20°	4786.9	4756.9	4729.3	4690.2	4667.2	4637.2	4607.3	4572.8	4545.1	4512.9	4487.6
22.5°	4697.1	4669.4	4644.1	4621.1	4584.2	4561.2	4540.6	4501.4	4473.7	4443.8	4416.2
25°	4568.1	4540.6	4519.8	4492.1	4476.0	4450.7	4430.0	4395.5	4370.2	4342.5	4319.5
27.5°	4356.3	4340.2	4328.6	4312.5	4298.8	4287.2	4275.8	4248.1	4229.7	4204.4	4181.4
30°	4038.5	4036.3	4029.4	4022.4	4031.6	4031.6	4031.6	4027.1	4011.0	3992.5	3976.4
32.5°	3631.0	3635.7	3644.9	3651.8	3670.2	3690.9	3709.3	3718.5	3718.5	3707.0	3700.1
35°	3145.2	3152.1	3166.0	3184.4	3207.4	3232.7	3274.1	3283.4	3290.2	3290.2	3281.0
37.5°	2640.9	2638.7	2652.5	2668.6	2682.4	2700.8	2730.8	2737.7	2749.2	2744.6	2735.3
40°	2150.5	2139.0	2134.4	2139.0	2155.1	2148.2	2155.1	2150.5	2150.5	2134.4	2134.4
42.5°	1696.9	1683.2	1673.9	1667.1	1667.1	1650.8	1639.4	1627.9	1621.0	1609.4	1607.2
45°	1307.9	1291.7	1280.2	1275.5	1268.7	1248.0	1234.1	1220.3	1204.2	1199.6	1201.9
47.5°	1015.4	999.3	994.6	983.2	971.6	960.1	950.9	934.8	932.5	923.3	932.5
50°	782.8	778.3	771.4	766.7	759.8	750.6	741.4	732.2	727.6	727.6	729.8
52.5°	607.9	610.1	603.2	596.3	591.8	591.8	580.2	577.9	577.9	568.7	577.9
55°	465.1	462.8	465.1	460.5	460.5	453.6	453.6	446.7	446.7	439.7	444.4
57.5°	340.8	345.4	340.8	343.1	347.7	340.8	338.4	331.5	336.2	331.5	333.9
60°	264.8	264.8	264.8	262.5	262.5	260.2	260.2	257.9	257.9	253.2	257.9
62.5°	195.7	198.0	198.0	198.0	200.3	198.0	195.7	198.0	195.7	195.7	198.0
65°	129.0	131.3	131.3	129.0	133.5	129.0	131.3	133.5	135.8	133.5	135.8
67.5°	87.5	87.5	89.8	92.1	89.8	92.1	94.4	92.1	94.4	99.0	94.4
70°	64.4	66.8	66.8	64.4	62.2	64.4	62.2	69.1	69.1	69.1	73.6
72.5°	41.4	41.4	39.1	39.1	39.1	39.1	39.1	46.1	41.4	39.1	43.8
75°	23.0	25.3	25.3	18.4	20.8	25.3	18.4	20.8	27.7	23.0	27.7
77.5°	13.8	13.8	13.8	13.8	13.8	13.8	18.4	16.1	16.1	16.1	18.4
80°	11.5	9.2	9.2	6.9	9.2	9.2	9.2	13.8	11.5	11.5	13.8
82.5°	4.6	4.6	2.3	0.0	4.6	4.6	4.6	4.6	4.6	4.6	9.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	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: P248753

CATALOG NUMBER: LD8B100D010 ER8B1009730 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	4715.5	4715.5	4715.5	4715.5	4715.5	4715.5	4715.5	4715.5	4715.5	4715.5	4715.5
2.5°	4710.9	4710.9	4708.6	4704.0	4694.8	4694.8	4692.5	4685.6	4681.0	4678.6	4678.6
5°	4687.8	4678.6	4669.4	4644.1	4644.1	4639.5	4625.8	4616.5	4611.9	4600.4	4595.8
7.5°	4667.2	4639.5	4623.4	4607.3	4586.6	4577.3	4561.2	4554.3	4538.2	4526.7	4519.8
10°	4616.5	4598.1	4577.3	4552.0	4535.9	4517.5	4499.0	4485.3	4464.5	4453.0	4443.8
12.5°	4582.0	4554.3	4535.9	4508.2	4480.7	4464.5	4439.2	4423.1	4402.4	4379.3	4365.5
15°	4549.8	4519.8	4494.5	4464.5	4434.6	4416.2	4386.3	4367.9	4337.9	4314.9	4298.8
17.5°	4501.4	4476.0	4448.4	4411.6	4384.0	4361.0	4328.6	4305.7	4278.0	4248.1	4232.0
20°	4450.7	4420.8	4393.2	4356.3	4328.6	4301.1	4268.8	4243.5	4211.2	4183.6	4165.3
22.5°	4384.0	4349.4	4326.4	4289.5	4257.3	4227.4	4197.5	4167.5	4137.6	4114.6	4093.8
25°	4287.2	4250.4	4225.1	4195.1	4165.3	4142.2	4105.4	4087.0	4057.0	4036.3	4015.5
27.5°	4149.1	4121.5	4098.4	4068.5	4043.2	4024.8	3997.1	3978.7	3953.3	3935.0	3918.8
30°	3946.5	3923.5	3902.7	3872.8	3854.4	3838.3	3812.9	3796.8	3778.4	3757.6	3753.1
32.5°	3674.8	3656.3	3635.7	3614.9	3601.1	3591.9	3571.1	3561.9	3543.5	3532.0	3520.5
35°	3264.9	3248.8	3237.3	3228.1	3223.5	3225.8	3221.2	3230.4	3235.0	3232.7	3235.0
37.5°	2728.5	2719.2	2723.9	2730.8	2753.8	2783.8	2811.3	2852.8	2880.4	2908.1	2933.4
40°	2129.8	2136.7	2155.1	2196.5	2256.4	2323.3	2385.4	2463.7	2542.0	2597.2	2647.9
42.5°	1607.2	1627.9	1673.9	1733.8	1823.6	1922.6	2019.3	2134.4	2228.9	2320.9	2385.4
45°	1208.8	1236.4	1296.3	1379.2	1478.2	1593.3	1715.4	1844.3	1957.1	2051.5	2122.9
47.5°	941.8	967.1	1027.0	1114.4	1236.4	1356.2	1482.8	1616.3	1733.8	1825.9	1888.1
50°	743.7	775.9	828.9	921.0	1043.1	1169.7	1300.9	1432.1	1542.7	1621.0	1676.2
52.5°	584.8	614.8	665.4	762.2	886.5	1013.1	1135.1	1264.1	1360.7	1436.8	1473.6
55°	453.6	481.3	534.1	614.8	732.2	856.6	978.5	1089.1	1178.9	1234.1	1268.7
57.5°	345.4	366.1	403.0	483.5	589.5	704.5	808.2	918.7	987.8	1027.0	1049.9
60°	262.5	278.6	317.8	379.9	476.6	575.6	663.1	746.1	801.3	833.5	856.6
62.5°	198.0	216.5	244.0	297.0	370.7	451.3	524.9	587.1	633.2	653.9	670.0
65°	135.8	149.6	170.4	211.8	274.0	331.5	389.1	435.2	465.1	488.2	497.4
67.5°	101.3	110.5	122.1	154.3	198.0	244.0	283.2	315.4	347.7	356.9	373.0
70°	76.0	82.9	94.4	117.4	142.7	175.0	207.3	225.7	248.7	264.8	269.4
72.5°	48.3	50.6	62.2	76.0	96.7	117.4	138.2	154.3	168.1	177.3	181.9
75°	27.7	41.4	41.4	55.3	69.1	78.3	92.1	103.6	110.5	117.4	117.4
77.5°	18.4	25.3	27.7	34.5	41.4	53.0	64.4	71.4	78.3	80.6	80.6
80°	16.1	18.4	18.4	25.3	29.9	39.1	46.1	48.3	53.0	55.3	59.9
82.5°	6.9	9.2	11.5	18.4	20.8	20.8	27.7	29.9	34.5	36.9	36.9
85°	2.3	4.6	4.6	6.9	11.5	13.8	16.1	18.4	20.8	20.8	23.0
87.5°	2.3	2.3	0.0	2.3	4.6	4.6	9.2	9.2	9.2	13.8	13.8
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: P248753

CATALOG NUMBER: LD8B100D010 ER8B1009730 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	4715.5	4715.5	4715.5	4715.5	4715.5	4715.5	4715.5
2.5°	4674.1	4676.4	4667.2	4664.9	4660.3	4662.5	4667.2
5°	4588.9	4591.2	4582.0	4572.8	4572.8	4570.4	4572.8
7.5°	4508.2	4510.6	4496.8	4492.1	4482.9	4485.3	4485.3
10°	4427.7	4427.7	4407.0	4404.7	4397.7	4395.5	4395.5
12.5°	4349.4	4342.5	4326.4	4317.2	4321.8	4308.0	4308.0
15°	4280.3	4268.8	4248.1	4241.2	4229.7	4225.1	4225.1
17.5°	4208.9	4199.8	4181.4	4167.5	4153.7	4151.4	4153.7
20°	4139.9	4130.7	4107.6	4098.4	4087.0	4087.0	4082.3
22.5°	4070.8	4061.6	4040.9	4034.0	4017.9	4017.9	4020.2
25°	3999.4	3992.5	3969.5	3964.9	3962.6	3953.3	3958.0
27.5°	3902.7	3898.1	3879.7	3872.8	3863.6	3861.3	3865.9
30°	3725.4	3718.5	3704.8	3697.8	3681.7	3684.0	3688.6
32.5°	3504.4	3495.2	3476.7	3469.8	3456.1	3451.4	3453.7
35°	3228.1	3221.2	3205.1	3205.1	3191.3	3186.6	3191.3
37.5°	2947.2	2954.1	2947.2	2954.1	2947.2	2944.9	2947.2
40°	2682.4	2707.7	2712.3	2737.7	2728.5	2742.2	2740.0
42.5°	2429.1	2470.5	2486.7	2507.4	2502.9	2512.0	2519.0
45°	2173.5	2208.1	2224.2	2238.1	2240.3	2245.0	2247.2
47.5°	1931.8	1959.4	1961.7	1977.8	1975.5	1975.5	1982.5
50°	1706.2	1724.6	1729.1	1740.7	1731.5	1726.9	1729.1
52.5°	1496.6	1515.0	1510.4	1515.0	1503.6	1498.9	1501.2
55°	1282.5	1291.7	1291.7	1291.7	1277.9	1277.9	1277.9
57.5°	1063.7	1066.1	1061.5	1063.7	1061.5	1047.6	1045.3
60°	863.5	863.5	861.1	863.5	856.6	849.6	849.6
62.5°	674.6	679.2	688.4	679.2	674.6	679.2	672.3
65°	504.3	513.5	511.1	515.8	513.5	513.5	508.8
67.5°	379.9	382.2	384.5	386.9	386.9	386.9	386.9
70°	278.6	285.5	283.2	283.2	283.2	283.2	297.0
72.5°	186.5	195.7	193.4	198.0	198.0	202.6	198.0
75°	126.6	135.8	131.3	138.2	135.8	131.3	142.7
77.5°	85.2	89.8	92.1	94.4	92.1	89.8	92.1
80°	59.9	64.4	62.2	64.4	64.4	64.4	66.8
82.5°	36.9	43.8	41.4	43.8	41.4	43.8	43.8
85°	25.3	27.7	23.0	27.7	25.3	25.3	29.9
87.5°	16.1	13.8	13.8	16.1	13.8	16.1	13.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)