

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: P249077

Luminaire Tested: **LD8B100D010 ER8B1009730 8LBSW0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P249077  
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 8LBSW0MW  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
97 CRI 3000 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7929.0 lumens  
Efficiency: N/A  
Efficacy: 74.6 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

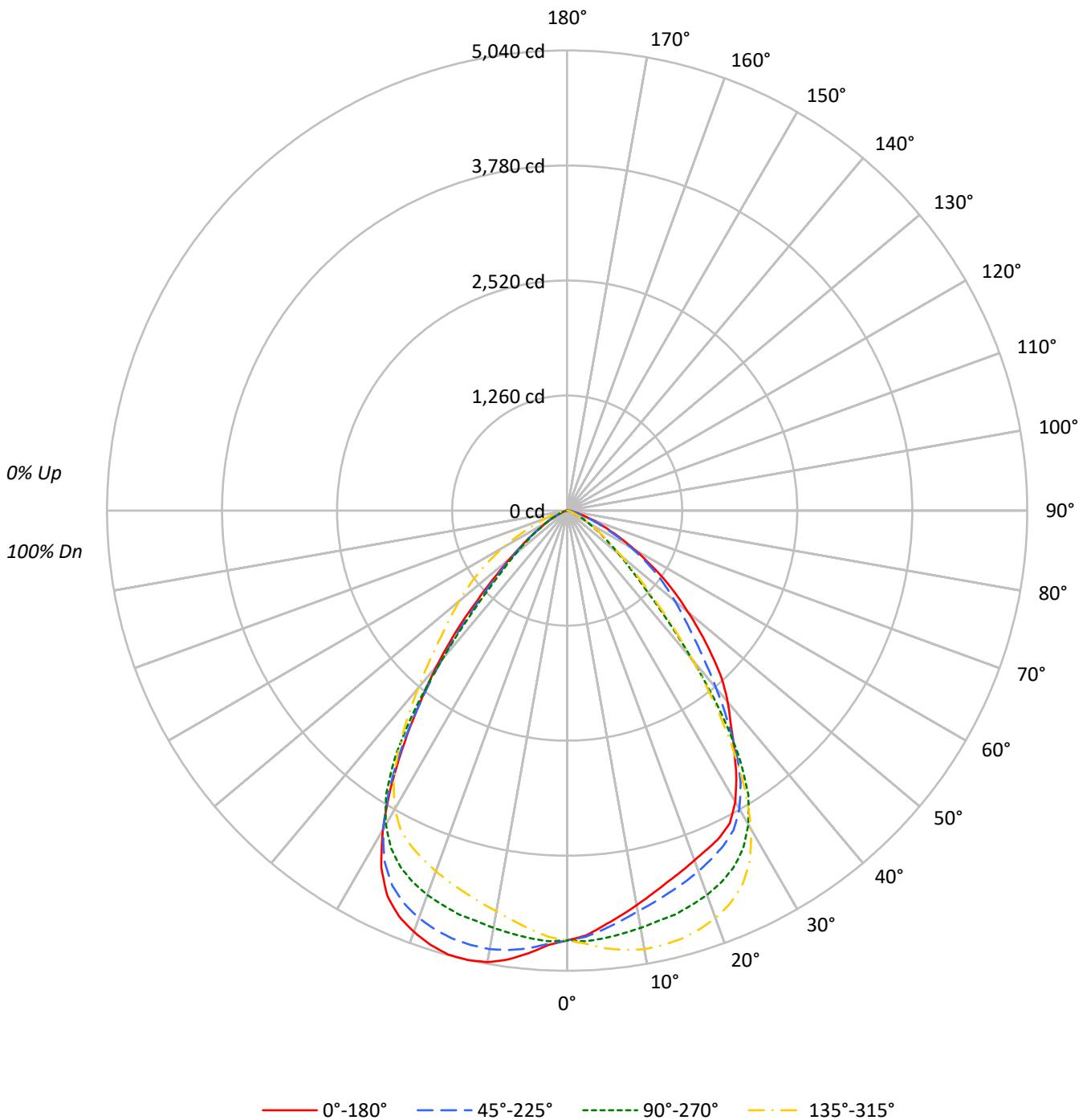
Input Watts (W): 106.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	448.0	5.7
10°-20°	1297.4	16.4
20°-30°	1964.6	24.8
30°-40°	1969.0	24.8
40°-50°	1236.4	15.6
50°-60°	658.9	8.3
60°-70°	271.0	3.4
70°-80°	71.6	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°	3710.1	46.8
0°-40°	5679.0	71.6
0°-60°	7574.4	95.5
0°-90°	7929.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7929.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	4707	4707	4707	4707	4707	
5°	4565	4700	4868	4700	4565	430
15°	4218	4578	5034	4578	4218	1193
25°	3951	4312	4659	4312	3951	1812
35°	3186	3275	3108	3275	3186	1996
45°	2243	1200	1388	1200	2243	1725
55°	1276	444	469	444	1276	1137
65°	508	136	124	136	508	527
75°	142	28	23	28	142	161
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°	4707.2	4707.2	4707.2	4707.2	4707.2	4707.2	4707.2	4707.2	4707.2	4707.2	4707.2
2.5°	4658.9	4654.3	4652.0	4656.7	4658.9	4668.1	4665.9	4670.4	4670.4	4672.8	4677.3
5°	4564.7	4562.4	4564.7	4564.7	4573.9	4583.1	4580.8	4587.7	4592.3	4603.8	4608.3
7.5°	4477.4	4477.4	4475.0	4484.2	4488.8	4502.7	4500.3	4511.8	4518.7	4530.2	4546.3
10°	4387.7	4387.7	4390.0	4396.9	4399.3	4419.9	4419.9	4436.0	4445.1	4456.7	4477.4
12.5°	4300.4	4300.4	4314.2	4309.6	4318.7	4334.8	4341.7	4357.8	4371.6	4394.6	4415.3
15°	4217.6	4217.6	4222.2	4233.7	4240.6	4261.3	4272.8	4291.2	4307.3	4330.3	4360.2
17.5°	4146.4	4144.1	4146.4	4160.2	4174.0	4192.4	4201.5	4224.5	4240.6	4270.5	4298.1
20°	4075.1	4079.8	4079.8	4091.2	4100.4	4123.4	4132.6	4157.9	4176.3	4203.8	4236.1
22.5°	4013.1	4010.8	4010.8	4026.9	4033.8	4054.4	4063.6	4086.6	4107.3	4130.3	4160.2
25°	3951.0	3946.4	3955.6	3957.9	3962.5	3985.5	3992.4	4008.4	4029.2	4049.9	4079.8
27.5°	3859.1	3854.5	3856.8	3866.0	3872.9	3891.2	3895.9	3911.9	3928.0	3946.4	3971.7
30°	3682.0	3677.5	3675.2	3691.3	3698.2	3711.9	3718.9	3746.5	3751.0	3771.7	3790.1
32.5°	3447.6	3445.3	3450.0	3463.7	3470.6	3489.1	3498.2	3514.3	3525.8	3537.3	3555.7
35°	3185.7	3181.0	3185.7	3199.5	3199.5	3215.5	3222.5	3229.3	3227.0	3229.3	3224.7
37.5°	2942.0	2939.7	2942.0	2948.9	2942.0	2948.9	2942.0	2928.2	2903.0	2875.3	2847.7
40°	2735.1	2737.4	2723.7	2732.9	2707.5	2703.0	2677.7	2643.2	2592.7	2537.5	2459.4
42.5°	2514.5	2507.6	2498.4	2503.0	2482.4	2466.2	2424.8	2381.2	2316.8	2224.9	2130.6
45°	2243.3	2241.0	2236.4	2234.1	2220.3	2204.2	2169.7	2119.2	2047.9	1953.7	1841.0
47.5°	1979.0	1972.1	1972.1	1974.3	1958.2	1956.0	1928.3	1884.7	1822.7	1730.7	1613.5
50°	1726.1	1723.8	1728.4	1737.6	1726.1	1721.5	1703.2	1673.3	1618.1	1540.0	1429.6
52.5°	1498.6	1496.3	1500.9	1512.4	1507.7	1512.4	1494.0	1471.0	1434.2	1358.3	1261.8
55°	1275.7	1275.7	1275.7	1289.4	1289.4	1289.4	1280.2	1266.5	1232.0	1176.8	1087.2
57.5°	1043.5	1045.8	1059.6	1061.9	1059.6	1064.2	1061.9	1048.0	1025.1	986.1	917.1
60°	848.1	848.1	855.0	862.0	859.6	862.0	862.0	855.0	832.1	799.9	744.7
62.5°	671.1	678.0	673.4	678.0	687.2	678.0	673.4	668.9	652.8	632.1	586.1
65°	507.9	512.6	512.6	514.8	510.2	512.6	503.4	496.5	487.3	464.3	434.4
67.5°	386.2	386.2	386.2	386.2	383.8	381.5	379.3	372.4	356.3	347.1	314.8
70°	296.5	282.7	282.7	282.7	282.7	285.0	278.1	269.0	264.3	248.2	225.3
72.5°	197.6	202.3	197.6	197.6	193.1	195.4	186.2	181.5	177.0	167.8	154.0
75°	142.5	131.0	135.6	137.9	131.0	135.6	126.4	117.2	117.2	110.3	103.4
77.5°	92.0	89.7	92.0	94.2	92.0	89.7	85.1	80.4	80.4	78.1	71.2
80°	66.7	64.3	64.3	64.3	62.1	64.3	59.8	59.8	55.2	52.9	48.2
82.5°	43.7	43.7	41.3	43.7	41.3	43.7	36.8	36.8	36.8	34.4	29.9
85°	29.9	25.3	25.3	27.6	23.0	27.6	25.3	23.0	20.7	20.7	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°	4707.2	4707.2	4707.2	4707.2	4707.2	4707.2	4707.2	4707.2	4707.2	4707.2	4707.2
2.5°	4684.2	4686.5	4686.5	4695.7	4700.3	4702.6	4702.6	4721.0	4714.1	4718.7	4723.3
5°	4617.6	4631.3	4636.0	4636.0	4661.2	4670.4	4679.6	4700.3	4702.6	4716.4	4732.5
7.5°	4553.2	4569.3	4578.5	4599.2	4615.2	4631.3	4658.9	4672.8	4686.5	4704.9	4725.5
10°	4491.1	4509.6	4527.9	4544.0	4569.3	4590.0	4608.3	4640.5	4656.7	4681.9	4709.5
12.5°	4431.4	4456.7	4472.8	4500.3	4527.9	4546.3	4573.9	4603.8	4629.1	4654.3	4686.5
15°	4378.5	4408.4	4426.8	4456.7	4486.6	4511.8	4541.7	4578.5	4596.9	4626.8	4656.7
17.5°	4321.0	4353.3	4376.3	4403.8	4440.6	4468.1	4493.5	4530.2	4553.2	4585.3	4619.9
20°	4261.3	4293.5	4321.0	4348.6	4385.4	4413.0	4442.9	4479.7	4504.9	4537.1	4564.7
22.5°	4190.1	4220.0	4249.8	4281.9	4318.7	4341.7	4376.3	4408.4	4436.0	4465.9	4493.5
25°	4098.1	4134.9	4157.9	4187.7	4217.6	4242.9	4279.7	4311.8	4334.8	4362.5	4387.7
27.5°	3990.1	4017.7	4036.1	4061.3	4091.2	4114.2	4141.7	4174.0	4197.0	4222.2	4240.6
30°	3806.2	3831.5	3847.6	3866.0	3895.9	3916.6	3939.6	3969.4	3985.5	4003.9	4020.0
32.5°	3564.8	3585.6	3594.7	3608.5	3629.3	3649.9	3668.3	3693.6	3700.5	3711.9	3711.9
35°	3215.5	3220.1	3217.8	3222.5	3231.6	3243.1	3259.2	3275.2	3284.4	3284.4	3277.6
37.5°	2806.4	2778.9	2749.0	2726.0	2719.1	2714.4	2723.7	2730.5	2739.8	2744.3	2732.9
40°	2381.2	2319.2	2252.5	2192.7	2151.3	2133.0	2126.1	2130.6	2130.6	2146.7	2146.7
42.5°	2015.8	1919.2	1820.4	1730.7	1670.9	1625.0	1604.3	1604.3	1606.6	1618.1	1625.0
45°	1712.4	1590.5	1475.6	1376.8	1294.0	1234.2	1206.7	1199.8	1197.5	1202.1	1218.1
47.5°	1480.2	1353.8	1234.2	1112.5	1025.1	965.4	940.1	930.8	921.6	930.8	933.2
50°	1298.7	1167.6	1041.2	919.4	827.4	774.5	742.4	728.6	726.3	726.3	730.9
52.5°	1133.1	1011.3	884.9	760.8	664.2	613.7	583.8	576.9	567.7	576.9	576.9
55°	976.8	855.0	730.9	613.7	533.2	480.4	452.8	443.6	439.0	445.9	445.9
57.5°	806.8	703.3	588.4	482.7	402.3	365.5	344.7	333.3	330.9	335.6	330.9
60°	662.0	574.6	475.8	379.3	317.2	278.1	262.1	257.4	252.8	257.4	257.4
62.5°	524.0	450.5	370.0	296.5	243.6	216.1	197.6	197.6	195.4	195.4	197.6
65°	388.5	330.9	273.5	211.4	170.1	149.4	135.6	135.6	133.3	135.6	133.3
67.5°	282.7	243.6	197.6	154.0	121.9	110.3	101.1	94.2	98.9	94.2	92.0
70°	206.9	174.6	142.5	117.2	94.2	82.8	75.9	73.5	69.0	69.0	69.0
72.5°	137.9	117.2	96.5	75.9	62.1	50.5	48.2	43.7	39.1	41.3	46.0
75°	92.0	78.1	69.0	55.2	41.3	41.3	27.6	27.6	23.0	27.6	20.7
77.5°	64.3	52.9	41.3	34.4	27.6	25.3	18.4	18.4	16.1	16.1	16.1
80°	46.0	39.1	29.9	25.3	18.4	18.4	16.1	13.8	11.4	11.4	13.8
82.5°	27.6	20.7	20.7	18.4	11.4	9.2	6.9	9.2	4.6	4.6	4.6
85°	16.1	13.8	11.4	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°	4707.2	4707.2	4707.2	4707.2	4707.2	4707.2	4707.2	4707.2	4707.2	4707.2	4707.2
2.5°	4734.8	4732.5	4737.1	4737.1	4750.9	4748.5	4755.4	4755.4	4750.9	4753.2	4762.4
5°	4750.9	4757.8	4771.5	4783.1	4803.7	4813.0	4824.4	4836.0	4838.2	4845.1	4852.0
7.5°	4750.9	4773.9	4790.0	4810.6	4838.2	4854.3	4879.6	4900.3	4909.5	4920.9	4934.7
10°	4741.6	4764.6	4794.5	4817.5	4852.0	4877.3	4902.6	4934.7	4948.5	4966.9	4985.3
12.5°	4723.3	4748.5	4780.7	4810.6	4849.7	4872.7	4904.8	4934.7	4955.4	4980.7	5001.4
15°	4695.7	4725.5	4755.4	4785.3	4826.7	4854.3	4884.2	4918.6	4939.4	4966.9	4985.3
17.5°	4652.0	4684.2	4711.8	4739.4	4778.4	4810.6	4838.2	4870.4	4891.1	4914.1	4939.4
20°	4599.2	4629.1	4658.9	4681.9	4721.0	4748.5	4778.4	4808.3	4824.4	4829.0	4868.1
22.5°	4532.6	4553.2	4576.2	4613.0	4636.0	4661.2	4688.8	4716.4	4732.5	4757.8	4771.5
25°	4422.1	4442.9	4468.1	4484.2	4511.8	4532.6	4560.1	4590.0	4599.2	4617.6	4631.3
27.5°	4268.2	4279.7	4291.2	4304.9	4321.0	4332.6	4348.6	4362.5	4371.6	4380.8	4390.0
30°	4024.5	4024.5	4024.5	4015.3	4022.3	4029.2	4031.4	4029.2	4029.2	4026.9	4026.9
32.5°	3702.8	3684.4	3663.7	3645.3	3638.4	3629.3	3624.6	3617.7	3606.3	3599.4	3601.6
35°	3268.3	3227.0	3201.7	3178.7	3160.4	3146.6	3139.7	3132.8	3130.5	3121.3	3112.1
37.5°	2726.0	2696.1	2677.7	2663.9	2647.8	2634.0	2636.3	2638.6	2645.5	2640.9	2643.2
40°	2151.3	2144.4	2151.3	2135.2	2130.6	2135.2	2146.7	2162.9	2172.0	2181.2	2197.3
42.5°	1636.5	1647.9	1664.1	1664.1	1670.9	1680.2	1693.9	1719.3	1733.0	1749.1	1767.5
45°	1232.0	1245.8	1266.5	1273.3	1277.9	1289.4	1305.6	1326.2	1335.4	1349.2	1365.3
47.5°	949.3	958.4	969.9	981.4	992.9	997.5	1013.6	1013.6	1025.1	1034.3	1038.9
50°	740.1	749.3	758.5	765.4	770.0	776.9	781.4	788.3	790.6	795.3	797.5
52.5°	579.2	590.7	590.7	595.3	602.2	609.1	606.8	609.1	611.3	611.3	618.2
55°	452.8	452.8	459.7	459.7	464.3	462.0	464.3	464.3	464.3	464.3	466.6
57.5°	337.8	340.2	347.1	342.5	340.2	344.7	340.2	344.7	342.5	347.1	340.2
60°	259.7	259.7	262.1	262.1	264.3	264.3	264.3	262.1	262.1	259.7	259.7
62.5°	195.4	197.6	200.0	197.6	197.6	197.6	195.4	195.4	193.1	190.7	190.7
65°	131.0	128.8	133.3	128.8	131.0	131.0	128.8	131.0	124.1	126.4	124.1
67.5°	94.2	92.0	89.7	92.0	89.7	87.3	87.3	89.7	92.0	85.1	85.1
70°	62.1	64.3	62.1	64.3	66.7	66.7	64.3	62.1	64.3	59.8	62.1
72.5°	39.1	39.1	39.1	39.1	39.1	41.3	41.3	41.3	36.8	36.8	34.4
75°	18.4	25.3	20.7	18.4	25.3	25.3	23.0	23.0	20.7	20.7	20.7
77.5°	18.4	13.8	13.8	13.8	13.8	13.8	13.8	13.8	11.4	13.8	11.4
80°	9.2	9.2	9.2	6.9	9.2	9.2	11.4	9.2	9.2	6.9	11.4
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: P249077

CATALOG NUMBER: LD8B100D010 ER8B1009730 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	4707.2	4707.2	4707.2	4707.2	4707.2	4707.2	4707.2	4707.2	4707.2	4707.2	4707.2
2.5°	4760.1	4757.8	4760.1	4762.4	4760.1	4757.8	4760.1	4762.4	4753.2	4750.9	4755.4
5°	4861.2	4861.2	4865.8	4868.1	4865.8	4861.2	4861.2	4852.0	4845.1	4838.2	4836.0
7.5°	4948.5	4953.2	4957.7	4960.0	4957.7	4953.2	4948.5	4934.7	4920.9	4909.5	4900.3
10°	5001.4	5008.3	5017.5	5022.0	5017.5	5008.3	5001.4	4985.3	4966.9	4948.5	4934.7
12.5°	5024.4	5031.3	5042.8	5040.5	5042.8	5031.3	5024.4	5001.4	4980.7	4955.4	4934.7
15°	5008.3	5017.5	5028.9	5033.6	5028.9	5017.5	5008.3	4985.3	4966.9	4939.4	4918.6
17.5°	4957.7	4971.5	4978.4	4985.3	4978.4	4971.5	4957.7	4939.4	4914.1	4891.1	4870.4
20°	4888.7	4898.0	4907.2	4909.5	4907.2	4898.0	4888.7	4868.1	4829.0	4824.4	4808.3
22.5°	4790.0	4796.9	4817.5	4810.6	4817.5	4796.9	4790.0	4771.5	4757.8	4732.5	4716.4
25°	4647.4	4654.3	4656.7	4658.9	4656.7	4654.3	4647.4	4631.3	4617.6	4599.2	4590.0
27.5°	4401.5	4401.5	4406.1	4408.4	4406.1	4401.5	4401.5	4390.0	4380.8	4371.6	4362.5
30°	4029.2	4029.2	4029.2	4040.7	4029.2	4029.2	4029.2	4026.9	4026.9	4029.2	4029.2
32.5°	3599.4	3594.7	3590.2	3594.7	3590.2	3594.7	3599.4	3601.6	3599.4	3606.3	3617.7
35°	3112.1	3109.8	3116.7	3107.5	3116.7	3109.8	3112.1	3112.1	3121.3	3130.5	3132.8
37.5°	2645.5	2640.9	2650.1	2640.9	2650.1	2640.9	2645.5	2643.2	2640.9	2645.5	2638.6
40°	2201.9	2206.5	2206.5	2224.9	2206.5	2206.5	2201.9	2197.3	2181.2	2172.0	2162.9
42.5°	1776.7	1790.5	1785.9	1799.7	1785.9	1790.5	1776.7	1767.5	1749.1	1733.0	1719.3
45°	1374.4	1383.7	1383.7	1388.2	1383.7	1383.7	1374.4	1365.3	1349.2	1335.4	1326.2
47.5°	1054.9	1054.9	1054.9	1057.3	1054.9	1054.9	1054.9	1038.9	1034.3	1025.1	1013.6
50°	802.2	804.4	806.8	809.1	806.8	804.4	802.2	797.5	795.3	790.6	788.3
52.5°	616.0	618.2	613.7	618.2	613.7	618.2	616.0	618.2	611.3	611.3	609.1
55°	466.6	464.3	466.6	468.9	466.6	464.3	466.6	466.6	464.3	464.3	464.3
57.5°	342.5	337.8	337.8	337.8	337.8	337.8	342.5	340.2	347.1	342.5	344.7
60°	255.2	257.4	257.4	259.7	257.4	257.4	255.2	259.7	259.7	262.1	262.1
62.5°	188.5	195.4	190.7	195.4	190.7	195.4	188.5	190.7	190.7	193.1	195.4
65°	121.9	121.9	121.9	124.1	121.9	121.9	121.9	124.1	126.4	124.1	131.0
67.5°	82.8	85.1	89.7	87.3	89.7	85.1	82.8	85.1	85.1	92.0	89.7
70°	66.7	59.8	59.8	66.7	59.8	59.8	66.7	62.1	59.8	64.3	62.1
72.5°	39.1	34.4	39.1	39.1	39.1	34.4	39.1	34.4	36.8	36.8	41.3
75°	20.7	18.4	16.1	23.0	16.1	18.4	20.7	20.7	20.7	20.7	23.0
77.5°	13.8	11.4	16.1	16.1	16.1	11.4	13.8	11.4	13.8	11.4	13.8
80°	6.9	9.2	6.9	11.4	6.9	9.2	6.9	11.4	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: P249077

CATALOG NUMBER: LD8B100D010 ER8B1009730 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	4707.2	4707.2	4707.2	4707.2	4707.2	4707.2	4707.2	4707.2	4707.2	4707.2	4707.2
2.5°	4755.4	4748.5	4750.9	4737.1	4737.1	4732.5	4734.8	4723.3	4718.7	4714.1	4721.0
5°	4824.4	4813.0	4803.7	4783.1	4771.5	4757.8	4750.9	4732.5	4716.4	4702.6	4700.3
7.5°	4879.6	4854.3	4838.2	4810.6	4790.0	4773.9	4750.9	4725.5	4704.9	4686.5	4672.8
10°	4902.6	4877.3	4852.0	4817.5	4794.5	4764.6	4741.6	4709.5	4681.9	4656.7	4640.5
12.5°	4904.8	4872.7	4849.7	4810.6	4780.7	4748.5	4723.3	4686.5	4654.3	4629.1	4603.8
15°	4884.2	4854.3	4826.7	4785.3	4755.4	4725.5	4695.7	4656.7	4626.8	4596.9	4578.5
17.5°	4838.2	4810.6	4778.4	4739.4	4711.8	4684.2	4652.0	4619.9	4585.3	4553.2	4530.2
20°	4778.4	4748.5	4721.0	4681.9	4658.9	4629.1	4599.2	4564.7	4537.1	4504.9	4479.7
22.5°	4688.8	4661.2	4636.0	4613.0	4576.2	4553.2	4532.6	4493.5	4465.9	4436.0	4408.4
25°	4560.1	4532.6	4511.8	4484.2	4468.1	4442.9	4422.1	4387.7	4362.5	4334.8	4311.8
27.5°	4348.6	4332.6	4321.0	4304.9	4291.2	4279.7	4268.2	4240.6	4222.2	4197.0	4174.0
30°	4031.4	4029.2	4022.3	4015.3	4024.5	4024.5	4024.5	4020.0	4003.9	3985.5	3969.4
32.5°	3624.6	3629.3	3638.4	3645.3	3663.7	3684.4	3702.8	3711.9	3711.9	3700.5	3693.6
35°	3139.7	3146.6	3160.4	3178.7	3201.7	3227.0	3268.3	3277.6	3284.4	3284.4	3275.2
37.5°	2636.3	2634.0	2647.8	2663.9	2677.7	2696.1	2726.0	2732.9	2744.3	2739.8	2730.5
40°	2146.7	2135.2	2130.6	2135.2	2151.3	2144.4	2151.3	2146.7	2146.7	2130.6	2130.6
42.5°	1693.9	1680.2	1670.9	1664.1	1664.1	1647.9	1636.5	1625.0	1618.1	1606.6	1604.3
45°	1305.6	1289.4	1277.9	1273.3	1266.5	1245.8	1232.0	1218.1	1202.1	1197.5	1199.8
47.5°	1013.6	997.5	992.9	981.4	969.9	958.4	949.3	933.2	930.8	921.6	930.8
50°	781.4	776.9	770.0	765.4	758.5	749.3	740.1	730.9	726.3	726.3	728.6
52.5°	606.8	609.1	602.2	595.3	590.7	590.7	579.2	576.9	576.9	567.7	576.9
55°	464.3	462.0	464.3	459.7	459.7	452.8	452.8	445.9	445.9	439.0	443.6
57.5°	340.2	344.7	340.2	342.5	347.1	340.2	337.8	330.9	335.6	330.9	333.3
60°	264.3	264.3	264.3	262.1	262.1	259.7	259.7	257.4	257.4	252.8	257.4
62.5°	195.4	197.6	197.6	197.6	200.0	197.6	195.4	197.6	195.4	195.4	197.6
65°	128.8	131.0	131.0	128.8	133.3	128.8	131.0	133.3	135.6	133.3	135.6
67.5°	87.3	87.3	89.7	92.0	89.7	92.0	94.2	92.0	94.2	98.9	94.2
70°	64.3	66.7	66.7	64.3	62.1	64.3	62.1	69.0	69.0	69.0	73.5
72.5°	41.3	41.3	39.1	39.1	39.1	39.1	39.1	46.0	41.3	39.1	43.7
75°	23.0	25.3	25.3	18.4	20.7	25.3	18.4	20.7	27.6	23.0	27.6
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°	11.4	9.2	9.2	6.9	9.2	9.2	9.2	13.8	11.4	11.4	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: P249077

CATALOG NUMBER: LD8B100D010 ER8B1009730 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	4707.2	4707.2	4707.2	4707.2	4707.2	4707.2	4707.2	4707.2	4707.2	4707.2	4707.2
2.5°	4702.6	4702.6	4700.3	4695.7	4686.5	4686.5	4684.2	4677.3	4672.8	4670.4	4670.4
5°	4679.6	4670.4	4661.2	4636.0	4636.0	4631.3	4617.6	4608.3	4603.8	4592.3	4587.7
7.5°	4658.9	4631.3	4615.2	4599.2	4578.5	4569.3	4553.2	4546.3	4530.2	4518.7	4511.8
10°	4608.3	4590.0	4569.3	4544.0	4527.9	4509.6	4491.1	4477.4	4456.7	4445.1	4436.0
12.5°	4573.9	4546.3	4527.9	4500.3	4472.8	4456.7	4431.4	4415.3	4394.6	4371.6	4357.8
15°	4541.7	4511.8	4486.6	4456.7	4426.8	4408.4	4378.5	4360.2	4330.3	4307.3	4291.2
17.5°	4493.5	4468.1	4440.6	4403.8	4376.3	4353.3	4321.0	4298.1	4270.5	4240.6	4224.5
20°	4442.9	4413.0	4385.4	4348.6	4321.0	4293.5	4261.3	4236.1	4203.8	4176.3	4157.9
22.5°	4376.3	4341.7	4318.7	4281.9	4249.8	4220.0	4190.1	4160.2	4130.3	4107.3	4086.6
25°	4279.7	4242.9	4217.6	4187.7	4157.9	4134.9	4098.1	4079.8	4049.9	4029.2	4008.4
27.5°	4141.7	4114.2	4091.2	4061.3	4036.1	4017.7	3990.1	3971.7	3946.4	3928.0	3911.9
30°	3939.6	3916.6	3895.9	3866.0	3847.6	3831.5	3806.2	3790.1	3771.7	3751.0	3746.5
32.5°	3668.3	3649.9	3629.3	3608.5	3594.7	3585.6	3564.8	3555.7	3537.3	3525.8	3514.3
35°	3259.2	3243.1	3231.6	3222.5	3217.8	3220.1	3215.5	3224.7	3229.3	3227.0	3229.3
37.5°	2723.7	2714.4	2719.1	2726.0	2749.0	2778.9	2806.4	2847.7	2875.3	2903.0	2928.2
40°	2126.1	2133.0	2151.3	2192.7	2252.5	2319.2	2381.2	2459.4	2537.5	2592.7	2643.2
42.5°	1604.3	1625.0	1670.9	1730.7	1820.4	1919.2	2015.8	2130.6	2224.9	2316.8	2381.2
45°	1206.7	1234.2	1294.0	1376.8	1475.6	1590.5	1712.4	1841.0	1953.7	2047.9	2119.2
47.5°	940.1	965.4	1025.1	1112.5	1234.2	1353.8	1480.2	1613.5	1730.7	1822.7	1884.7
50°	742.4	774.5	827.4	919.4	1041.2	1167.6	1298.7	1429.6	1540.0	1618.1	1673.3
52.5°	583.8	613.7	664.2	760.8	884.9	1011.3	1133.1	1261.8	1358.3	1434.2	1471.0
55°	452.8	480.4	533.2	613.7	730.9	855.0	976.8	1087.2	1176.8	1232.0	1266.5
57.5°	344.7	365.5	402.3	482.7	588.4	703.3	806.8	917.1	986.1	1025.1	1048.0
60°	262.1	278.1	317.2	379.3	475.8	574.6	662.0	744.7	799.9	832.1	855.0
62.5°	197.6	216.1	243.6	296.5	370.0	450.5	524.0	586.1	632.1	652.8	668.9
65°	135.6	149.4	170.1	211.4	273.5	330.9	388.5	434.4	464.3	487.3	496.5
67.5°	101.1	110.3	121.9	154.0	197.6	243.6	282.7	314.8	347.1	356.3	372.4
70°	75.9	82.8	94.2	117.2	142.5	174.6	206.9	225.3	248.2	264.3	269.0
72.5°	48.2	50.5	62.1	75.9	96.5	117.2	137.9	154.0	167.8	177.0	181.5
75°	27.6	41.3	41.3	55.2	69.0	78.1	92.0	103.4	110.3	117.2	117.2
77.5°	18.4	25.3	27.6	34.4	41.3	52.9	64.3	71.2	78.1	80.4	80.4
80°	16.1	18.4	18.4	25.3	29.9	39.1	46.0	48.2	52.9	55.2	59.8
82.5°	6.9	9.2	11.4	18.4	20.7	20.7	27.6	29.9	34.4	36.8	36.8
85°	2.3	4.6	4.6	6.9	11.4	13.8	16.1	18.4	20.7	20.7	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: P249077

CATALOG NUMBER: LD8B100D010 ER8B1009730 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	4707.2	4707.2	4707.2	4707.2	4707.2	4707.2	4707.2
2.5°	4665.9	4668.1	4658.9	4656.7	4652.0	4654.3	4658.9
5°	4580.8	4583.1	4573.9	4564.7	4564.7	4562.4	4564.7
7.5°	4500.3	4502.7	4488.8	4484.2	4475.0	4477.4	4477.4
10°	4419.9	4419.9	4399.3	4396.9	4390.0	4387.7	4387.7
12.5°	4341.7	4334.8	4318.7	4309.6	4314.2	4300.4	4300.4
15°	4272.8	4261.3	4240.6	4233.7	4222.2	4217.6	4217.6
17.5°	4201.5	4192.4	4174.0	4160.2	4146.4	4144.1	4146.4
20°	4132.6	4123.4	4100.4	4091.2	4079.8	4079.8	4075.1
22.5°	4063.6	4054.4	4033.8	4026.9	4010.8	4010.8	4013.1
25°	3992.4	3985.5	3962.5	3957.9	3955.6	3946.4	3951.0
27.5°	3895.9	3891.2	3872.9	3866.0	3856.8	3854.5	3859.1
30°	3718.9	3711.9	3698.2	3691.3	3675.2	3677.5	3682.0
32.5°	3498.2	3489.1	3470.6	3463.7	3450.0	3445.3	3447.6
35°	3222.5	3215.5	3199.5	3199.5	3185.7	3181.0	3185.7
37.5°	2942.0	2948.9	2942.0	2948.9	2942.0	2939.7	2942.0
40°	2677.7	2703.0	2707.5	2732.9	2723.7	2737.4	2735.1
42.5°	2424.8	2466.2	2482.4	2503.0	2498.4	2507.6	2514.5
45°	2169.7	2204.2	2220.3	2234.1	2236.4	2241.0	2243.3
47.5°	1928.3	1956.0	1958.2	1974.3	1972.1	1972.1	1979.0
50°	1703.2	1721.5	1726.1	1737.6	1728.4	1723.8	1726.1
52.5°	1494.0	1512.4	1507.7	1512.4	1500.9	1496.3	1498.6
55°	1280.2	1289.4	1289.4	1289.4	1275.7	1275.7	1275.7
57.5°	1061.9	1064.2	1059.6	1061.9	1059.6	1045.8	1043.5
60°	862.0	862.0	859.6	862.0	855.0	848.1	848.1
62.5°	673.4	678.0	687.2	678.0	673.4	678.0	671.1
65°	503.4	512.6	510.2	514.8	512.6	512.6	507.9
67.5°	379.3	381.5	383.8	386.2	386.2	386.2	386.2
70°	278.1	285.0	282.7	282.7	282.7	282.7	296.5
72.5°	186.2	195.4	193.1	197.6	197.6	202.3	197.6
75°	126.4	135.6	131.0	137.9	135.6	131.0	142.5
77.5°	85.1	89.7	92.0	94.2	92.0	89.7	92.0
80°	59.8	64.3	62.1	64.3	64.3	64.3	66.7
82.5°	36.8	43.7	41.3	43.7	41.3	43.7	43.7
85°	25.3	27.6	23.0	27.6	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)