

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: P249068

Luminaire Tested: **LD8B100D010 ER8B1009727 8LBSW0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P249068  
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 ER8B1009727 8LBSW0MW  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
97 CRI 2700 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7494.0 lumens  
Efficiency: N/A  
Efficacy: 70.5 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

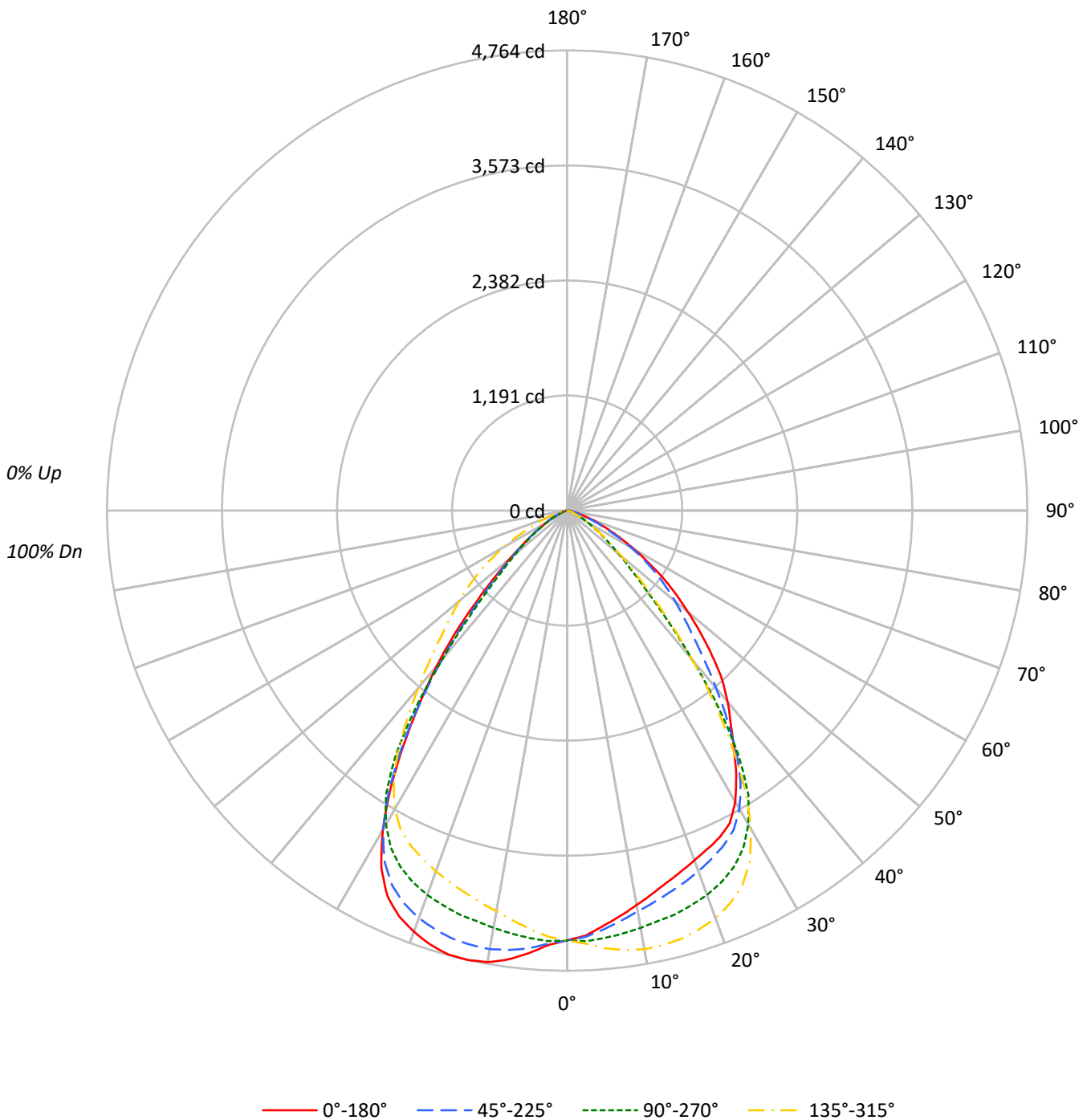
Input Watts (W): 106.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	423.5	5.7
10°-20°	1226.2	16.4
20°-30°	1856.8	24.8
30°-40°	1861.0	24.8
40°-50°	1168.6	15.6
50°-60°	622.7	8.3
60°-70°	256.1	3.4
70°-80°	67.7	0.9
80°-90°	11.4	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°	3506.5	46.8
0°-40°	5367.5	71.6
0°-60°	7158.8	95.5
0°-90°	7494.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7494.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	4449	4449	4449	4449	4449	
5°	4314	4442	4601	4442	4314	407
15°	3986	4327	4757	4327	3986	1127
25°	3734	4075	4403	4075	3734	1713
35°	3011	3096	2937	3096	3011	1886
45°	2120	1134	1312	1134	2120	1631
55°	1206	419	443	419	1206	1075
65°	480	128	117	128	480	498
75°	135	26	22	26	135	153
85°	28	0	2	0	28	31
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°	4449.0	4449.0	4449.0	4449.0	4449.0	4449.0	4449.0	4449.0	4449.0	4449.0	4449.0
2.5°	4403.3	4399.0	4396.8	4401.2	4403.3	4412.0	4409.9	4414.2	4414.2	4416.4	4420.7
5°	4314.3	4312.1	4314.3	4314.3	4323.0	4331.6	4329.5	4336.0	4340.3	4351.2	4355.5
7.5°	4231.8	4231.8	4229.5	4238.2	4242.6	4255.6	4253.4	4264.3	4270.8	4281.7	4296.9
10°	4147.0	4147.0	4149.1	4155.7	4157.9	4177.4	4177.4	4192.6	4201.3	4212.2	4231.8
12.5°	4064.5	4064.5	4077.5	4073.1	4081.8	4097.0	4103.5	4118.7	4131.8	4153.5	4173.1
15°	3986.2	3986.2	3990.6	4001.4	4008.0	4027.5	4038.4	4055.8	4071.0	4092.7	4121.0
17.5°	3918.9	3916.8	3918.9	3932.0	3945.0	3962.4	3971.0	3992.8	4008.0	4036.2	4062.3
20°	3851.6	3855.9	3855.9	3866.8	3875.4	3897.2	3905.8	3929.8	3947.2	3973.2	4003.7
22.5°	3792.9	3790.8	3790.8	3806.0	3812.5	3832.0	3840.7	3862.4	3882.0	3903.7	3932.0
25°	3734.3	3729.9	3738.6	3740.8	3745.1	3766.8	3773.3	3788.5	3808.1	3827.7	3855.9
27.5°	3647.3	3643.0	3645.2	3653.9	3660.4	3677.7	3682.1	3697.3	3712.5	3729.9	3753.8
30°	3480.0	3475.8	3473.6	3488.8	3495.3	3508.3	3514.8	3540.9	3545.2	3564.8	3582.2
32.5°	3258.5	3256.3	3260.7	3273.7	3280.2	3297.6	3306.3	3321.5	3332.3	3343.2	3360.6
35°	3010.9	3006.5	3010.9	3023.9	3023.9	3039.1	3045.7	3052.1	3050.0	3052.1	3047.8
37.5°	2780.6	2778.4	2780.6	2787.1	2780.6	2787.1	2780.6	2767.6	2743.7	2717.6	2691.5
40°	2585.1	2587.2	2574.3	2582.9	2559.0	2554.7	2530.8	2498.2	2450.4	2398.3	2324.4
42.5°	2376.6	2370.0	2361.4	2365.7	2346.2	2330.9	2291.8	2250.6	2189.7	2102.9	2013.7
45°	2120.2	2118.1	2113.7	2111.5	2098.5	2083.3	2050.7	2002.9	1935.6	1846.5	1740.0
47.5°	1870.4	1863.9	1863.9	1866.0	1850.8	1848.7	1822.6	1781.3	1722.7	1635.8	1525.0
50°	1631.4	1629.2	1633.6	1642.3	1631.4	1627.1	1609.7	1581.5	1529.4	1455.5	1351.2
52.5°	1416.3	1414.2	1418.6	1429.4	1425.0	1429.4	1412.0	1390.3	1355.5	1283.8	1192.6
55°	1205.7	1205.7	1205.7	1218.6	1218.6	1218.6	1210.0	1197.0	1164.4	1112.2	1027.6
57.5°	986.3	988.4	1001.5	1003.6	1001.5	1005.8	1003.6	990.5	968.9	932.0	866.8
60°	801.6	801.6	808.1	814.7	812.4	814.7	814.7	808.1	786.4	756.0	703.9
62.5°	634.3	640.8	636.5	640.8	649.5	640.8	636.5	632.2	617.0	597.4	553.9
65°	480.1	484.5	484.5	486.6	482.2	484.5	475.8	469.3	460.6	438.9	410.6
67.5°	365.0	365.0	365.0	365.0	362.8	360.6	358.5	351.9	336.7	328.1	297.6
70°	280.2	267.2	267.2	267.2	267.2	269.4	262.9	254.2	249.8	234.6	212.9
72.5°	186.8	191.2	186.8	186.8	182.5	184.6	176.0	171.6	167.3	158.6	145.6
75°	134.7	123.8	128.1	130.4	123.8	128.1	119.5	110.8	110.8	104.3	97.7
77.5°	86.9	84.8	86.9	89.1	86.9	84.8	80.4	76.0	76.0	73.9	67.3
80°	63.0	60.8	60.8	60.8	58.7	60.8	56.5	56.5	52.1	50.0	45.6
82.5°	41.3	41.3	39.1	41.3	39.1	41.3	34.8	34.8	34.8	32.5	28.3
85°	28.3	23.9	23.9	26.1	21.7	26.1	23.9	21.7	19.6	19.6	17.3
87.5°	13.1	15.2	13.1	15.2	13.1	13.1	15.2	13.1	13.1	8.7	8.7
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°	4449.0	4449.0	4449.0	4449.0	4449.0	4449.0	4449.0	4449.0	4449.0	4449.0	4449.0
2.5°	4427.2	4429.4	4429.4	4438.1	4442.4	4444.6	4444.6	4462.0	4455.5	4459.9	4464.2
5°	4364.3	4377.2	4381.6	4381.6	4405.5	4414.2	4422.8	4442.4	4444.6	4457.6	4472.8
7.5°	4303.4	4318.6	4327.3	4346.8	4362.0	4377.2	4403.3	4416.4	4429.4	4446.8	4466.3
10°	4244.7	4262.2	4279.5	4294.7	4318.6	4338.2	4355.5	4385.9	4401.2	4425.1	4451.1
12.5°	4188.3	4212.2	4227.4	4253.4	4279.5	4296.9	4323.0	4351.2	4375.1	4399.0	4429.4
15°	4138.3	4166.6	4183.9	4212.2	4240.4	4264.3	4292.6	4327.3	4344.7	4372.9	4401.2
17.5°	4084.0	4114.4	4136.2	4162.2	4197.0	4223.0	4247.0	4281.7	4303.4	4333.8	4366.4
20°	4027.5	4057.9	4084.0	4110.1	4144.8	4170.9	4199.1	4233.9	4257.8	4288.2	4314.3
22.5°	3960.2	3988.5	4016.6	4047.0	4081.8	4103.5	4136.2	4166.6	4192.6	4220.9	4247.0
25°	3873.3	3908.1	3929.8	3958.0	3986.2	4010.1	4044.9	4075.3	4097.0	4123.1	4147.0
27.5°	3771.2	3797.3	3814.6	3838.5	3866.8	3888.5	3914.5	3945.0	3966.7	3990.6	4008.0
30°	3597.4	3621.3	3636.5	3653.9	3682.1	3701.7	3723.4	3751.6	3766.8	3784.2	3799.4
32.5°	3369.3	3388.8	3397.5	3410.6	3430.2	3449.6	3467.1	3491.0	3497.5	3508.3	3508.3
35°	3039.1	3043.4	3041.3	3045.7	3054.3	3065.2	3080.4	3095.6	3104.2	3104.2	3097.8
37.5°	2652.4	2626.4	2598.1	2576.4	2569.9	2565.5	2574.3	2580.7	2589.5	2593.8	2582.9
40°	2250.6	2191.9	2128.9	2072.4	2033.3	2016.0	2009.4	2013.7	2013.7	2028.9	2028.9
42.5°	1905.2	1813.9	1720.5	1635.8	1579.3	1535.9	1516.3	1516.3	1518.5	1529.4	1535.9
45°	1618.4	1503.3	1394.6	1301.3	1223.0	1166.5	1140.5	1134.0	1131.8	1136.1	1151.3
47.5°	1399.0	1279.5	1166.5	1051.4	968.9	912.4	888.5	879.8	871.1	879.8	882.0
50°	1227.4	1103.6	984.1	868.9	782.0	732.0	701.6	688.6	686.4	686.4	690.8
52.5°	1070.9	955.9	836.4	719.1	627.8	580.0	551.8	545.3	536.6	545.3	545.3
55°	923.2	808.1	690.8	580.0	503.9	454.1	427.9	419.3	414.9	421.4	421.4
57.5°	762.5	664.7	556.2	456.2	380.2	345.4	325.8	315.0	312.8	317.2	312.8
60°	625.6	543.1	449.7	358.5	299.8	262.9	247.7	243.3	238.9	243.3	243.3
62.5°	495.3	425.8	349.7	280.2	230.2	204.2	186.8	186.8	184.6	184.6	186.8
65°	367.1	312.8	258.5	199.8	160.8	141.2	128.1	128.1	126.0	128.1	126.0
67.5°	267.2	230.2	186.8	145.6	115.2	104.3	95.6	89.1	93.4	89.1	86.9
70°	195.6	165.1	134.7	110.8	89.1	78.2	71.7	69.5	65.2	65.2	65.2
72.5°	130.4	110.8	91.2	71.7	58.7	47.7	45.6	41.3	36.9	39.1	43.5
75°	86.9	73.9	65.2	52.1	39.1	39.1	26.1	26.1	21.7	26.1	19.6
77.5°	60.8	50.0	39.1	32.5	26.1	23.9	17.3	17.3	15.2	15.2	15.2
80°	43.5	36.9	28.3	23.9	17.3	17.3	15.2	13.1	10.8	10.8	13.1
82.5°	26.1	19.6	19.6	17.3	10.8	8.7	6.5	8.7	4.4	4.4	4.4
85°	15.2	13.1	10.8	6.5	4.4	4.4	2.1	0.0	2.1	2.1	0.0
87.5°	8.7	4.4	4.4	2.1	0.0	2.1	2.1	0.0	0.0	0.0	4.4
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°	4449.0	4449.0	4449.0	4449.0	4449.0	4449.0	4449.0	4449.0	4449.0	4449.0	4449.0
2.5°	4475.1	4472.8	4477.2	4477.2	4490.3	4488.0	4494.6	4494.6	4490.3	4492.4	4501.1
5°	4490.3	4496.8	4509.8	4520.7	4540.2	4548.9	4559.7	4570.6	4572.8	4579.3	4585.8
7.5°	4490.3	4512.0	4527.2	4546.7	4572.8	4588.0	4611.9	4631.4	4640.1	4650.9	4664.0
10°	4481.5	4503.2	4531.5	4553.2	4585.8	4609.7	4633.6	4664.0	4677.0	4694.4	4711.8
12.5°	4464.2	4488.0	4518.4	4546.7	4583.6	4605.3	4635.7	4664.0	4683.6	4707.5	4727.0
15°	4438.1	4466.3	4494.6	4522.8	4561.9	4588.0	4616.2	4648.8	4668.4	4694.4	4711.8
17.5°	4396.8	4427.2	4453.3	4479.4	4516.3	4546.7	4572.8	4603.2	4622.8	4644.5	4668.4
20°	4346.8	4375.1	4403.3	4425.1	4462.0	4488.0	4516.3	4544.5	4559.7	4564.1	4601.0
22.5°	4283.9	4303.4	4325.1	4359.9	4381.6	4405.5	4431.6	4457.6	4472.8	4496.8	4509.8
25°	4179.5	4199.1	4223.0	4238.2	4264.3	4283.9	4309.9	4338.2	4346.8	4364.3	4377.2
27.5°	4034.1	4044.9	4055.8	4068.8	4084.0	4094.9	4110.1	4123.1	4131.8	4140.5	4149.1
30°	3803.7	3803.7	3803.7	3795.1	3801.6	3808.1	3810.3	3808.1	3808.1	3806.0	3806.0
32.5°	3499.6	3482.3	3462.7	3445.4	3438.8	3430.2	3425.8	3419.2	3408.4	3401.9	3404.0
35°	3089.0	3050.0	3026.1	3004.4	2987.0	2974.0	2967.4	2960.9	2958.8	2950.1	2941.3
37.5°	2576.4	2548.2	2530.8	2517.8	2502.6	2489.5	2491.6	2493.9	2500.3	2496.0	2498.2
40°	2033.3	2026.8	2033.3	2018.1	2013.7	2018.1	2028.9	2044.2	2052.9	2061.6	2076.8
42.5°	1546.7	1557.5	1572.8	1572.8	1579.3	1588.0	1601.0	1624.9	1637.9	1653.1	1670.5
45°	1164.4	1177.4	1197.0	1203.4	1207.8	1218.6	1233.9	1253.4	1262.1	1275.2	1290.4
47.5°	897.2	905.9	916.7	927.6	938.4	942.8	958.0	958.0	968.9	977.6	981.9
50°	699.5	708.2	716.8	723.4	727.8	734.3	738.6	745.1	747.2	751.6	753.8
52.5°	547.4	558.3	558.3	562.6	569.1	575.7	573.5	575.7	577.8	577.8	584.3
55°	427.9	427.9	434.5	434.5	438.9	436.6	438.9	438.9	438.9	438.9	441.0
57.5°	319.3	321.5	328.1	323.7	321.5	325.8	321.5	325.8	323.7	328.1	321.5
60°	245.4	245.4	247.7	247.7	249.8	249.8	249.8	247.7	247.7	245.4	245.4
62.5°	184.6	186.8	189.0	186.8	186.8	186.8	184.6	184.6	182.5	180.3	180.3
65°	123.8	121.7	126.0	121.7	123.8	123.8	121.7	123.8	117.3	119.5	117.3
67.5°	89.1	86.9	84.8	86.9	84.8	82.5	82.5	84.8	86.9	80.4	80.4
70°	58.7	60.8	58.7	60.8	63.0	63.0	60.8	58.7	60.8	56.5	58.7
72.5°	36.9	36.9	36.9	36.9	36.9	39.1	39.1	39.1	34.8	34.8	32.5
75°	17.3	23.9	19.6	17.3	23.9	23.9	21.7	21.7	19.6	19.6	19.6
77.5°	17.3	13.1	13.1	13.1	13.1	13.1	13.1	13.1	10.8	13.1	10.8
80°	8.7	8.7	8.7	6.5	8.7	8.7	10.8	8.7	8.7	6.5	10.8
82.5°	4.4	4.4	4.4	0.0	2.1	4.4	4.4	2.1	4.4	4.4	2.1
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: P249068

CATALOG NUMBER: LD8B100D010 ER8B1009727 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	4449.0	4449.0	4449.0	4449.0	4449.0	4449.0	4449.0	4449.0	4449.0	4449.0	4449.0
2.5°	4498.9	4496.8	4498.9	4501.1	4498.9	4496.8	4498.9	4501.1	4492.4	4490.3	4494.6
5°	4594.5	4594.5	4598.8	4601.0	4598.8	4594.5	4594.5	4585.8	4579.3	4572.8	4570.6
7.5°	4677.0	4681.4	4685.7	4687.9	4685.7	4681.4	4677.0	4664.0	4650.9	4640.1	4631.4
10°	4727.0	4733.6	4742.2	4746.5	4742.2	4733.6	4727.0	4711.8	4694.4	4677.0	4664.0
12.5°	4748.8	4755.3	4766.1	4764.0	4766.1	4755.3	4748.8	4727.0	4707.5	4683.6	4664.0
15°	4733.6	4742.2	4753.1	4757.4	4753.1	4742.2	4733.6	4711.8	4694.4	4668.4	4648.8
17.5°	4685.7	4698.8	4705.3	4711.8	4705.3	4698.8	4685.7	4668.4	4644.5	4622.8	4603.2
20°	4620.5	4629.3	4638.0	4640.1	4638.0	4629.3	4620.5	4601.0	4564.1	4559.7	4544.5
22.5°	4527.2	4533.7	4553.2	4546.7	4553.2	4533.7	4527.2	4509.8	4496.8	4472.8	4457.6
25°	4392.4	4399.0	4401.2	4403.3	4401.2	4399.0	4392.4	4377.2	4364.3	4346.8	4338.2
27.5°	4160.0	4160.0	4164.3	4166.6	4164.3	4160.0	4160.0	4149.1	4140.5	4131.8	4123.1
30°	3808.1	3808.1	3808.1	3819.0	3808.1	3808.1	3808.1	3806.0	3806.0	3808.1	3808.1
32.5°	3401.9	3397.5	3393.2	3397.5	3393.2	3397.5	3401.9	3404.0	3401.9	3408.4	3419.2
35°	2941.3	2939.2	2945.7	2937.0	2945.7	2939.2	2941.3	2941.3	2950.1	2958.8	2960.9
37.5°	2500.3	2496.0	2504.7	2496.0	2504.7	2496.0	2500.3	2498.2	2496.0	2500.3	2493.9
40°	2081.1	2085.4	2085.4	2102.9	2085.4	2085.4	2081.1	2076.8	2061.6	2052.9	2044.2
42.5°	1679.2	1692.3	1687.9	1700.9	1687.9	1692.3	1679.2	1670.5	1653.1	1637.9	1624.9
45°	1299.0	1307.8	1307.8	1312.1	1307.8	1307.8	1299.0	1290.4	1275.2	1262.1	1253.4
47.5°	997.1	997.1	997.1	999.3	997.1	997.1	997.1	981.9	977.6	968.9	958.0
50°	758.2	760.3	762.5	764.7	762.5	760.3	758.2	753.8	751.6	747.2	745.1
52.5°	582.2	584.3	580.0	584.3	580.0	584.3	582.2	584.3	577.8	577.8	575.7
55°	441.0	438.9	441.0	443.1	441.0	438.9	441.0	441.0	438.9	438.9	438.9
57.5°	323.7	319.3	319.3	319.3	319.3	319.3	323.7	321.5	328.1	323.7	325.8
60°	241.2	243.3	243.3	245.4	243.3	243.3	241.2	245.4	245.4	247.7	247.7
62.5°	178.1	184.6	180.3	184.6	180.3	184.6	178.1	180.3	180.3	182.5	184.6
65°	115.2	115.2	115.2	117.3	115.2	115.2	115.2	117.3	119.5	117.3	123.8
67.5°	78.2	80.4	84.8	82.5	84.8	80.4	78.2	80.4	80.4	86.9	84.8
70°	63.0	56.5	56.5	63.0	56.5	56.5	63.0	58.7	56.5	60.8	58.7
72.5°	36.9	32.5	36.9	36.9	36.9	32.5	36.9	32.5	34.8	34.8	39.1
75°	19.6	17.3	15.2	21.7	15.2	17.3	19.6	19.6	19.6	19.6	21.7
77.5°	13.1	10.8	15.2	15.2	15.2	10.8	13.1	10.8	13.1	10.8	13.1
80°	6.5	8.7	6.5	10.8	6.5	8.7	6.5	10.8	6.5	8.7	8.7
82.5°	2.1	4.4	4.4	4.4	4.4	4.4	2.1	2.1	4.4	4.4	2.1
85°	0.0	4.4	2.1	2.1	2.1	4.4	0.0	0.0	0.0	0.0	0.0
87.5°	2.1	0.0	0.0	2.1	0.0	0.0	2.1	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: P249068

CATALOG NUMBER: LD8B100D010 ER8B1009727 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	4449.0	4449.0	4449.0	4449.0	4449.0	4449.0	4449.0	4449.0	4449.0	4449.0	4449.0
2.5°	4494.6	4488.0	4490.3	4477.2	4477.2	4472.8	4475.1	4464.2	4459.9	4455.5	4462.0
5°	4559.7	4548.9	4540.2	4520.7	4509.8	4496.8	4490.3	4472.8	4457.6	4444.6	4442.4
7.5°	4611.9	4588.0	4572.8	4546.7	4527.2	4512.0	4490.3	4466.3	4446.8	4429.4	4416.4
10°	4633.6	4609.7	4585.8	4553.2	4531.5	4503.2	4481.5	4451.1	4425.1	4401.2	4385.9
12.5°	4635.7	4605.3	4583.6	4546.7	4518.4	4488.0	4464.2	4429.4	4399.0	4375.1	4351.2
15°	4616.2	4588.0	4561.9	4522.8	4494.6	4466.3	4438.1	4401.2	4372.9	4344.7	4327.3
17.5°	4572.8	4546.7	4516.3	4479.4	4453.3	4427.2	4396.8	4366.4	4333.8	4303.4	4281.7
20°	4516.3	4488.0	4462.0	4425.1	4403.3	4375.1	4346.8	4314.3	4288.2	4257.8	4233.9
22.5°	4431.6	4405.5	4381.6	4359.9	4325.1	4303.4	4283.9	4247.0	4220.9	4192.6	4166.6
25°	4309.9	4283.9	4264.3	4238.2	4223.0	4199.1	4179.5	4147.0	4123.1	4097.0	4075.3
27.5°	4110.1	4094.9	4084.0	4068.8	4055.8	4044.9	4034.1	4008.0	3990.6	3966.7	3945.0
30°	3810.3	3808.1	3801.6	3795.1	3803.7	3803.7	3803.7	3799.4	3784.2	3766.8	3751.6
32.5°	3425.8	3430.2	3438.8	3445.4	3462.7	3482.3	3499.6	3508.3	3508.3	3497.5	3491.0
35°	2967.4	2974.0	2987.0	3004.4	3026.1	3050.0	3089.0	3097.8	3104.2	3104.2	3095.6
37.5°	2491.6	2489.5	2502.6	2517.8	2530.8	2548.2	2576.4	2582.9	2593.8	2589.5	2580.7
40°	2028.9	2018.1	2013.7	2018.1	2033.3	2026.8	2033.3	2028.9	2028.9	2013.7	2013.7
42.5°	1601.0	1588.0	1579.3	1572.8	1572.8	1557.5	1546.7	1535.9	1529.4	1518.5	1516.3
45°	1233.9	1218.6	1207.8	1203.4	1197.0	1177.4	1164.4	1151.3	1136.1	1131.8	1134.0
47.5°	958.0	942.8	938.4	927.6	916.7	905.9	897.2	882.0	879.8	871.1	879.8
50°	738.6	734.3	727.8	723.4	716.8	708.2	699.5	690.8	686.4	686.4	688.6
52.5°	573.5	575.7	569.1	562.6	558.3	558.3	547.4	545.3	545.3	536.6	545.3
55°	438.9	436.6	438.9	434.5	434.5	427.9	427.9	421.4	421.4	414.9	419.3
57.5°	321.5	325.8	321.5	323.7	328.1	321.5	319.3	312.8	317.2	312.8	315.0
60°	249.8	249.8	249.8	247.7	247.7	245.4	245.4	243.3	243.3	238.9	243.3
62.5°	184.6	186.8	186.8	186.8	189.0	186.8	184.6	186.8	184.6	184.6	186.8
65°	121.7	123.8	123.8	121.7	126.0	121.7	123.8	126.0	128.1	126.0	128.1
67.5°	82.5	82.5	84.8	86.9	84.8	86.9	89.1	86.9	89.1	93.4	89.1
70°	60.8	63.0	63.0	60.8	58.7	60.8	58.7	65.2	65.2	65.2	69.5
72.5°	39.1	39.1	36.9	36.9	36.9	36.9	36.9	43.5	39.1	36.9	41.3
75°	21.7	23.9	23.9	17.3	19.6	23.9	17.3	19.6	26.1	21.7	26.1
77.5°	13.1	13.1	13.1	13.1	13.1	13.1	17.3	15.2	15.2	15.2	17.3
80°	10.8	8.7	8.7	6.5	8.7	8.7	8.7	13.1	10.8	10.8	13.1
82.5°	4.4	4.4	2.1	0.0	4.4	4.4	4.4	4.4	4.4	4.4	8.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	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: P249068

CATALOG NUMBER: LD8B100D010 ER8B1009727 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	4449.0	4449.0	4449.0	4449.0	4449.0	4449.0	4449.0	4449.0	4449.0	4449.0	4449.0
2.5°	4444.6	4444.6	4442.4	4438.1	4429.4	4429.4	4427.2	4420.7	4416.4	4414.2	4414.2
5°	4422.8	4414.2	4405.5	4381.6	4381.6	4377.2	4364.3	4355.5	4351.2	4340.3	4336.0
7.5°	4403.3	4377.2	4362.0	4346.8	4327.3	4318.6	4303.4	4296.9	4281.7	4270.8	4264.3
10°	4355.5	4338.2	4318.6	4294.7	4279.5	4262.2	4244.7	4231.8	4212.2	4201.3	4192.6
12.5°	4323.0	4296.9	4279.5	4253.4	4227.4	4212.2	4188.3	4173.1	4153.5	4131.8	4118.7
15°	4292.6	4264.3	4240.4	4212.2	4183.9	4166.6	4138.3	4121.0	4092.7	4071.0	4055.8
17.5°	4247.0	4223.0	4197.0	4162.2	4136.2	4114.4	4084.0	4062.3	4036.2	4008.0	3992.8
20°	4199.1	4170.9	4144.8	4110.1	4084.0	4057.9	4027.5	4003.7	3973.2	3947.2	3929.8
22.5°	4136.2	4103.5	4081.8	4047.0	4016.6	3988.5	3960.2	3932.0	3903.7	3882.0	3862.4
25°	4044.9	4010.1	3986.2	3958.0	3929.8	3908.1	3873.3	3855.9	3827.7	3808.1	3788.5
27.5°	3914.5	3888.5	3866.8	3838.5	3814.6	3797.3	3771.2	3753.8	3729.9	3712.5	3697.3
30°	3723.4	3701.7	3682.1	3653.9	3636.5	3621.3	3597.4	3582.2	3564.8	3545.2	3540.9
32.5°	3467.1	3449.6	3430.2	3410.6	3397.5	3388.8	3369.3	3360.6	3343.2	3332.3	3321.5
35°	3080.4	3065.2	3054.3	3045.7	3041.3	3043.4	3039.1	3047.8	3052.1	3050.0	3052.1
37.5°	2574.3	2565.5	2569.9	2576.4	2598.1	2626.4	2652.4	2691.5	2717.6	2743.7	2767.6
40°	2009.4	2016.0	2033.3	2072.4	2128.9	2191.9	2250.6	2324.4	2398.3	2450.4	2498.2
42.5°	1516.3	1535.9	1579.3	1635.8	1720.5	1813.9	1905.2	2013.7	2102.9	2189.7	2250.6
45°	1140.5	1166.5	1223.0	1301.3	1394.6	1503.3	1618.4	1740.0	1846.5	1935.6	2002.9
47.5°	888.5	912.4	968.9	1051.4	1166.5	1279.5	1399.0	1525.0	1635.8	1722.7	1781.3
50°	701.6	732.0	782.0	868.9	984.1	1103.6	1227.4	1351.2	1455.5	1529.4	1581.5
52.5°	551.8	580.0	627.8	719.1	836.4	955.9	1070.9	1192.6	1283.8	1355.5	1390.3
55°	427.9	454.1	503.9	580.0	690.8	808.1	923.2	1027.6	1112.2	1164.4	1197.0
57.5°	325.8	345.4	380.2	456.2	556.2	664.7	762.5	866.8	932.0	968.9	990.5
60°	247.7	262.9	299.8	358.5	449.7	543.1	625.6	703.9	756.0	786.4	808.1
62.5°	186.8	204.2	230.2	280.2	349.7	425.8	495.3	553.9	597.4	617.0	632.2
65°	128.1	141.2	160.8	199.8	258.5	312.8	367.1	410.6	438.9	460.6	469.3
67.5°	95.6	104.3	115.2	145.6	186.8	230.2	267.2	297.6	328.1	336.7	351.9
70°	71.7	78.2	89.1	110.8	134.7	165.1	195.6	212.9	234.6	249.8	254.2
72.5°	45.6	47.7	58.7	71.7	91.2	110.8	130.4	145.6	158.6	167.3	171.6
75°	26.1	39.1	39.1	52.1	65.2	73.9	86.9	97.7	104.3	110.8	110.8
77.5°	17.3	23.9	26.1	32.5	39.1	50.0	60.8	67.3	73.9	76.0	76.0
80°	15.2	17.3	17.3	23.9	28.3	36.9	43.5	45.6	50.0	52.1	56.5
82.5°	6.5	8.7	10.8	17.3	19.6	19.6	26.1	28.3	32.5	34.8	34.8
85°	2.1	4.4	4.4	6.5	10.8	13.1	15.2	17.3	19.6	19.6	21.7
87.5°	2.1	2.1	0.0	2.1	4.4	4.4	8.7	8.7	8.7	13.1	13.1
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: P249068

CATALOG NUMBER: LD8B100D010 ER8B1009727 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	4449.0	4449.0	4449.0	4449.0	4449.0	4449.0	4449.0
2.5°	4409.9	4412.0	4403.3	4401.2	4396.8	4399.0	4403.3
5°	4329.5	4331.6	4323.0	4314.3	4314.3	4312.1	4314.3
7.5°	4253.4	4255.6	4242.6	4238.2	4229.5	4231.8	4231.8
10°	4177.4	4177.4	4157.9	4155.7	4149.1	4147.0	4147.0
12.5°	4103.5	4097.0	4081.8	4073.1	4077.5	4064.5	4064.5
15°	4038.4	4027.5	4008.0	4001.4	3990.6	3986.2	3986.2
17.5°	3971.0	3962.4	3945.0	3932.0	3918.9	3916.8	3918.9
20°	3905.8	3897.2	3875.4	3866.8	3855.9	3855.9	3851.6
22.5°	3840.7	3832.0	3812.5	3806.0	3790.8	3790.8	3792.9
25°	3773.3	3766.8	3745.1	3740.8	3738.6	3729.9	3734.3
27.5°	3682.1	3677.7	3660.4	3653.9	3645.2	3643.0	3647.3
30°	3514.8	3508.3	3495.3	3488.8	3473.6	3475.8	3480.0
32.5°	3306.3	3297.6	3280.2	3273.7	3260.7	3256.3	3258.5
35°	3045.7	3039.1	3023.9	3023.9	3010.9	3006.5	3010.9
37.5°	2780.6	2787.1	2780.6	2787.1	2780.6	2778.4	2780.6
40°	2530.8	2554.7	2559.0	2582.9	2574.3	2587.2	2585.1
42.5°	2291.8	2330.9	2346.2	2365.7	2361.4	2370.0	2376.6
45°	2050.7	2083.3	2098.5	2111.5	2113.7	2118.1	2120.2
47.5°	1822.6	1848.7	1850.8	1866.0	1863.9	1863.9	1870.4
50°	1609.7	1627.1	1631.4	1642.3	1633.6	1629.2	1631.4
52.5°	1412.0	1429.4	1425.0	1429.4	1418.6	1414.2	1416.3
55°	1210.0	1218.6	1218.6	1218.6	1205.7	1205.7	1205.7
57.5°	1003.6	1005.8	1001.5	1003.6	1001.5	988.4	986.3
60°	814.7	814.7	812.4	814.7	808.1	801.6	801.6
62.5°	636.5	640.8	649.5	640.8	636.5	640.8	634.3
65°	475.8	484.5	482.2	486.6	484.5	484.5	480.1
67.5°	358.5	360.6	362.8	365.0	365.0	365.0	365.0
70°	262.9	269.4	267.2	267.2	267.2	267.2	280.2
72.5°	176.0	184.6	182.5	186.8	186.8	191.2	186.8
75°	119.5	128.1	123.8	130.4	128.1	123.8	134.7
77.5°	80.4	84.8	86.9	89.1	86.9	84.8	86.9
80°	56.5	60.8	58.7	60.8	60.8	60.8	63.0
82.5°	34.8	41.3	39.1	41.3	39.1	41.3	41.3
85°	23.9	26.1	21.7	26.1	23.9	23.9	28.3
87.5°	15.2	13.1	13.1	15.2	13.1	15.2	13.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)