

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: P248579

Luminaire Tested: **LD8B70D010 ER8B70850 8LBSW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248579
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: LD8B70D010 ER8B70850 8LBSW0H
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 5000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7627.0 lumens
Efficiency: N/A
Efficacy: 100.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.23 / 1.15
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

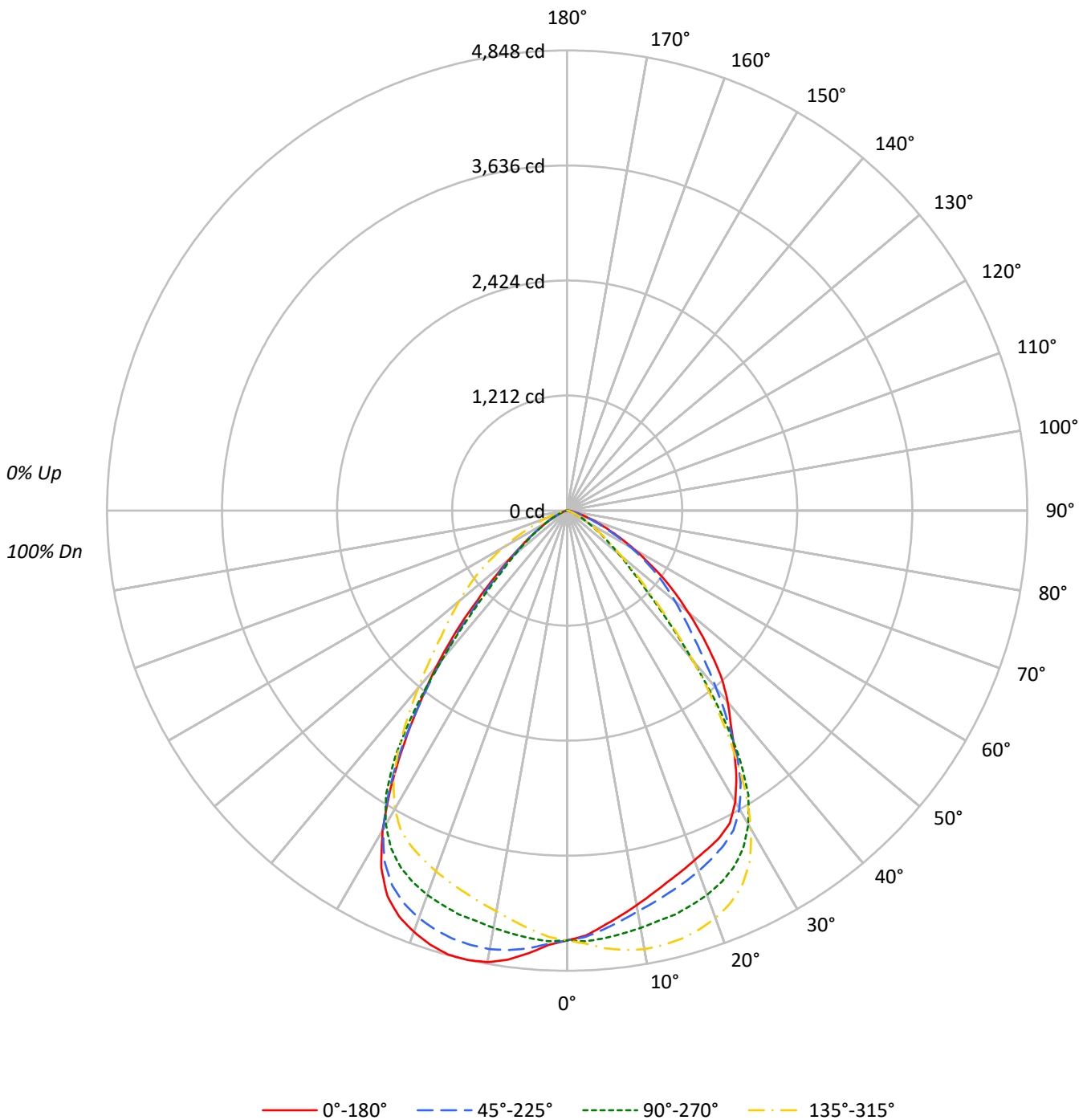
Input Watts (W): 75.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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					100			
1	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	90					90			
2	105	99	94	89	102	97	92	88	93	90	86	90	87	84	87	85	83	81					81			
3	98	90	83	78	95	88	82	78	85	80	76	83	79	75	80	77	74	72					72			
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	65					65			
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58					58			
6	80	69	61	56	78	68	61	56	66	60	55	65	59	55	63	58	55	53					53			
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48					48			
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	55	49	46	44					44			
9	66	54	47	42	65	54	47	42	53	47	42	52	46	42	51	46	42	40					40			
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	37					37			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	139624	139624	139624	139624
5°	135916	139953	144949	139953
10°	132155	139771	151262	139771
15°	129516	140597	154573	140597
20°	128633	141401	154970	141401
25°	129309	141118	152479	141118
30°	126112	135954	138396	135954
35°	115353	118598	112526	118598
40°	105908	82500	86152	82500
45°	94100	50329	58236	50329
50°	79649	33619	37337	33619
55°	65971	22940	24246	22940
60°	50313	15270	15406	15270
65°	35651	9515	8712	9515
70°	25713	6374	5788	6374
75°	16323	3169	2633	3169
80°	11401	2362	1953	2362
85°	10190	0	778	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	431.0	5.7
10°-20°	1248.0	16.4
20°-30°	1889.8	24.8
30°-40°	1894.0	24.8
40°-50°	1189.3	15.6
50°-60°	633.8	8.3
60°-70°	260.6	3.4
70°-80°	68.9	0.9
80°-90°	11.7	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°	3568.7	46.8
0°-40°	5462.7	71.6
0°-60°	7285.9	95.5
0°-90°	7627.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7627.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4528	4528	4528	4528	4528	
5°	4391	4521	4683	4521	4391	414
15°	4057	4404	4842	4404	4057	1147
25°	3800	4148	4482	4148	3800	1743
35°	3064	3150	2989	3150	3064	1920
45°	2158	1154	1335	1154	2158	1660
55°	1227	427	451	427	1227	1094
65°	489	130	119	130	489	507
75°	137	27	22	27	137	155
85°	29	0	2	0	29	32
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°	4527.9	4527.9	4527.9	4527.9	4527.9	4527.9	4527.9	4527.9	4527.9	4527.9	4527.9
2.5°	4481.5	4477.0	4474.9	4479.3	4481.5	4490.3	4488.1	4492.5	4492.5	4494.8	4499.2
5°	4390.9	4388.6	4390.9	4390.9	4399.7	4408.5	4406.3	4413.0	4417.3	4428.4	4432.8
7.5°	4306.9	4306.9	4304.6	4313.4	4317.9	4331.2	4328.9	4340.0	4346.6	4357.6	4373.1
10°	4220.6	4220.6	4222.8	4229.4	4231.7	4251.5	4251.5	4267.0	4275.8	4286.9	4306.9
12.5°	4136.6	4136.6	4149.9	4145.4	4154.3	4169.7	4176.4	4191.8	4205.1	4227.2	4247.2
15°	4057.0	4057.0	4061.4	4072.4	4079.1	4099.0	4110.0	4127.8	4143.2	4165.4	4194.1
17.5°	3988.4	3986.3	3988.4	4001.7	4015.0	4032.7	4041.5	4063.6	4079.1	4107.8	4134.4
20°	3919.9	3924.4	3924.4	3935.4	3944.2	3966.3	3975.2	3999.5	4017.2	4043.7	4074.7
22.5°	3860.2	3858.0	3858.0	3873.5	3880.2	3900.0	3908.8	3930.9	3950.9	3973.0	4001.7
25°	3800.5	3796.1	3805.0	3807.2	3811.5	3833.7	3840.3	3855.8	3875.7	3895.6	3924.4
27.5°	3712.1	3707.7	3709.9	3718.7	3725.4	3743.0	3747.5	3762.9	3778.4	3796.1	3820.5
30°	3541.8	3537.4	3535.3	3550.7	3557.4	3570.6	3577.2	3603.8	3608.1	3628.1	3645.7
32.5°	3316.3	3314.1	3318.6	3331.8	3338.4	3356.2	3365.0	3380.5	3391.5	3402.6	3420.2
35°	3064.3	3059.9	3064.3	3077.6	3077.6	3093.1	3099.7	3106.3	3104.1	3106.3	3101.9
37.5°	2830.0	2827.7	2830.0	2836.5	2830.0	2836.5	2830.0	2816.7	2792.4	2765.8	2739.3
40°	2631.0	2633.2	2620.0	2628.8	2604.4	2600.0	2575.7	2542.5	2493.9	2440.9	2365.7
42.5°	2418.7	2412.1	2403.3	2407.6	2387.8	2372.2	2332.5	2290.5	2228.6	2140.2	2049.5
45°	2157.8	2155.7	2151.2	2149.0	2135.7	2120.3	2087.0	2038.5	1969.9	1879.3	1770.9
47.5°	1903.6	1896.9	1896.9	1899.1	1883.7	1881.5	1854.9	1812.9	1753.2	1664.8	1552.0
50°	1660.3	1658.2	1662.6	1671.4	1660.3	1656.0	1638.3	1609.6	1556.5	1481.3	1375.1
52.5°	1441.5	1439.3	1443.8	1454.8	1450.3	1454.8	1437.1	1415.0	1379.6	1306.6	1213.8
55°	1227.1	1227.1	1227.1	1240.3	1240.3	1240.3	1231.4	1218.2	1185.0	1132.0	1045.8
57.5°	1003.8	1005.9	1019.2	1021.4	1019.2	1023.7	1021.4	1008.1	986.1	948.5	882.2
60°	815.8	815.8	822.5	829.1	826.8	829.1	829.1	822.5	800.4	769.4	716.4
62.5°	645.6	652.2	647.8	652.2	661.0	652.2	647.8	643.4	627.9	608.0	563.8
65°	488.6	493.1	493.1	495.2	490.8	493.1	484.2	477.6	468.8	446.6	417.9
67.5°	371.5	371.5	371.5	371.5	369.2	367.0	364.8	358.2	342.7	333.9	302.9
70°	285.2	271.9	271.9	271.9	271.9	274.2	267.5	258.7	254.3	238.8	216.7
72.5°	190.1	194.6	190.1	190.1	185.7	187.9	179.1	174.6	170.3	161.4	148.2
75°	137.0	126.0	130.4	132.7	126.0	130.4	121.6	112.8	112.8	106.1	99.5
77.5°	88.5	86.3	88.5	90.6	88.5	86.3	81.8	77.4	77.4	75.2	68.5
80°	64.2	61.9	61.9	61.9	59.7	61.9	57.5	57.5	53.1	50.9	46.4
82.5°	42.0	42.0	39.8	42.0	39.8	42.0	35.4	35.4	35.4	33.1	28.8
85°	28.8	24.3	24.3	26.6	22.1	26.6	24.3	22.1	19.9	19.9	17.7
87.5°	13.3	15.5	13.3	15.5	13.3	13.3	15.5	13.3	13.3	8.8	8.8
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°	4527.9	4527.9	4527.9	4527.9	4527.9	4527.9	4527.9	4527.9	4527.9	4527.9	4527.9
2.5°	4505.8	4508.0	4508.0	4516.9	4521.3	4523.4	4523.4	4541.2	4534.6	4539.0	4543.4
5°	4441.7	4454.9	4459.4	4459.4	4483.7	4492.5	4501.3	4521.3	4523.4	4536.7	4552.2
7.5°	4379.8	4395.2	4404.1	4424.0	4439.5	4454.9	4481.5	4494.8	4508.0	4525.7	4545.6
10°	4320.1	4337.8	4355.5	4370.9	4395.2	4415.2	4432.8	4463.8	4479.3	4503.6	4530.1
12.5°	4262.6	4286.9	4302.4	4328.9	4355.5	4373.1	4399.7	4428.4	4452.7	4477.0	4508.0
15°	4211.8	4240.5	4258.2	4286.9	4315.7	4340.0	4368.7	4404.1	4421.8	4450.6	4479.3
17.5°	4156.4	4187.5	4209.6	4236.1	4271.5	4297.9	4322.3	4357.6	4379.8	4410.7	4443.9
20°	4099.0	4130.0	4156.4	4183.0	4218.4	4244.9	4273.6	4309.0	4333.3	4364.3	4390.9
22.5°	4030.5	4059.2	4087.9	4118.9	4154.3	4176.4	4209.6	4240.5	4267.0	4295.8	4322.3
25°	3942.0	3977.4	3999.5	4028.2	4057.0	4081.3	4116.7	4147.6	4169.7	4196.3	4220.6
27.5°	3838.1	3864.7	3882.3	3906.6	3935.4	3957.5	3984.0	4015.0	4037.1	4061.4	4079.1
30°	3661.2	3685.6	3701.1	3718.7	3747.5	3767.4	3789.5	3818.2	3833.7	3851.4	3866.9
32.5°	3429.1	3449.0	3457.8	3471.1	3491.0	3510.9	3528.6	3552.9	3559.6	3570.6	3570.6
35°	3093.1	3097.4	3095.3	3099.7	3108.5	3119.6	3135.0	3150.5	3159.3	3159.3	3152.8
37.5°	2699.5	2673.0	2644.3	2622.1	2615.5	2611.0	2620.0	2626.5	2635.4	2639.8	2628.8
40°	2290.5	2230.8	2166.7	2109.2	2069.4	2051.7	2045.1	2049.5	2049.5	2064.9	2064.9
42.5°	1939.0	1846.1	1751.1	1664.8	1607.3	1563.1	1543.2	1543.2	1545.4	1556.5	1563.1
45°	1647.1	1529.9	1419.4	1324.4	1244.7	1187.2	1160.7	1154.1	1151.9	1156.3	1171.7
47.5°	1423.8	1302.2	1187.2	1070.1	986.1	928.6	904.3	895.4	886.5	895.4	897.6
50°	1249.2	1123.1	1001.6	884.4	795.9	745.0	714.1	700.8	698.6	698.6	703.1
52.5°	1089.9	972.8	851.2	731.8	638.9	590.3	561.6	554.9	546.1	554.9	554.9
55°	939.6	822.5	703.1	590.3	512.9	462.1	435.5	426.7	422.3	428.9	428.9
57.5°	776.1	676.5	566.0	464.3	386.9	351.5	331.6	320.6	318.3	322.8	318.3
60°	636.7	552.7	457.7	364.8	305.1	267.5	252.1	247.6	243.2	247.6	247.6
62.5°	504.1	433.4	355.9	285.2	234.3	207.8	190.1	190.1	187.9	187.9	190.1
65°	373.7	318.3	263.1	203.4	163.6	143.7	130.4	130.4	128.2	130.4	128.2
67.5°	271.9	234.3	190.1	148.2	117.2	106.1	97.3	90.6	95.1	90.6	88.5
70°	199.0	168.0	137.0	112.8	90.6	79.6	73.0	70.7	66.3	66.3	66.3
72.5°	132.7	112.8	92.8	73.0	59.7	48.6	46.4	42.0	37.6	39.8	44.2
75°	88.5	75.2	66.3	53.1	39.8	39.8	26.6	26.6	22.1	26.6	19.9
77.5°	61.9	50.9	39.8	33.1	26.6	24.3	17.7	17.7	15.5	15.5	15.5
80°	44.2	37.6	28.8	24.3	17.7	17.7	15.5	13.3	11.0	11.0	13.3
82.5°	26.6	19.9	19.9	17.7	11.0	8.8	6.6	8.8	4.5	4.5	4.5
85°	15.5	13.3	11.0	6.6	4.5	4.5	2.2	0.0	2.2	2.2	0.0
87.5°	8.8	4.5	4.5	2.2	0.0	2.2	2.2	0.0	0.0	0.0	4.5
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°	4527.9	4527.9	4527.9	4527.9	4527.9	4527.9	4527.9	4527.9	4527.9	4527.9	4527.9
2.5°	4554.5	4552.2	4556.7	4556.7	4570.0	4567.7	4574.3	4574.3	4570.0	4572.1	4581.0
5°	4570.0	4576.6	4589.8	4600.9	4620.7	4629.6	4640.7	4651.8	4653.9	4660.6	4667.2
7.5°	4570.0	4592.1	4607.5	4627.4	4653.9	4669.4	4693.7	4713.6	4722.5	4733.5	4746.8
10°	4561.0	4583.1	4611.9	4634.0	4667.2	4691.5	4715.8	4746.8	4760.1	4777.7	4795.5
12.5°	4543.4	4567.7	4598.6	4627.4	4665.0	4687.1	4718.0	4746.8	4766.7	4791.0	4810.9
15°	4516.9	4545.6	4574.3	4603.1	4642.8	4669.4	4698.2	4731.3	4751.2	4777.7	4795.5
17.5°	4474.9	4505.8	4532.4	4558.8	4596.4	4627.4	4653.9	4684.9	4704.8	4726.9	4751.2
20°	4424.0	4452.7	4481.5	4503.6	4541.2	4567.7	4596.4	4625.2	4640.7	4645.1	4682.7
22.5°	4359.9	4379.8	4401.9	4437.3	4459.4	4483.7	4510.3	4536.7	4552.2	4576.6	4589.8
25°	4253.7	4273.6	4297.9	4313.4	4340.0	4359.9	4386.4	4415.2	4424.0	4441.7	4454.9
27.5°	4105.7	4116.7	4127.8	4141.0	4156.4	4167.5	4183.0	4196.3	4205.1	4214.0	4222.8
30°	3871.2	3871.2	3871.2	3862.4	3869.1	3875.7	3877.9	3875.7	3875.7	3873.5	3873.5
32.5°	3561.7	3544.1	3524.2	3506.5	3499.9	3491.0	3486.6	3479.9	3468.9	3462.3	3464.5
35°	3143.9	3104.1	3079.8	3057.7	3040.0	3026.7	3020.1	3013.4	3011.3	3002.4	2993.5
37.5°	2622.1	2593.4	2575.7	2562.4	2547.0	2533.7	2535.9	2538.1	2544.7	2540.3	2542.5
40°	2069.4	2062.7	2069.4	2053.9	2049.5	2053.9	2064.9	2080.5	2089.3	2098.1	2113.6
42.5°	1574.2	1585.2	1600.7	1600.7	1607.3	1616.2	1629.4	1653.8	1667.0	1682.4	1700.2
45°	1185.0	1198.3	1218.2	1224.8	1229.3	1240.3	1255.8	1275.7	1284.5	1297.8	1313.3
47.5°	913.1	921.9	933.0	944.1	955.1	959.5	975.0	975.0	986.1	994.9	999.3
50°	711.9	720.7	729.6	736.2	740.7	747.3	751.7	758.3	760.5	765.0	767.1
52.5°	557.1	568.2	568.2	572.6	579.2	585.9	583.7	585.9	588.1	588.1	594.7
55°	435.5	435.5	442.2	442.2	446.6	444.4	446.6	446.6	446.6	446.6	448.8
57.5°	325.0	327.2	333.9	329.4	327.2	331.6	327.2	331.6	329.4	333.9	327.2
60°	249.8	249.8	252.1	252.1	254.3	254.3	254.3	252.1	252.1	249.8	249.8
62.5°	187.9	190.1	192.4	190.1	190.1	190.1	187.9	187.9	185.7	183.5	183.5
65°	126.0	123.9	128.2	123.9	126.0	126.0	123.9	126.0	119.4	121.6	119.4
67.5°	90.6	88.5	86.3	88.5	86.3	84.0	84.0	86.3	88.5	81.8	81.8
70°	59.7	61.9	59.7	61.9	64.2	64.2	61.9	59.7	61.9	57.5	59.7
72.5°	37.6	37.6	37.6	37.6	37.6	39.8	39.8	39.8	35.4	35.4	33.1
75°	17.7	24.3	19.9	17.7	24.3	24.3	22.1	22.1	19.9	19.9	19.9
77.5°	17.7	13.3	13.3	13.3	13.3	13.3	13.3	13.3	11.0	13.3	11.0
80°	8.8	8.8	8.8	6.6	8.8	8.8	11.0	8.8	8.8	6.6	11.0
82.5°	4.5	4.5	4.5	0.0	2.2	4.5	4.5	2.2	4.5	4.5	2.2
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: P248579

CATALOG NUMBER: LD8B70D010 ER8B70850 8LBSW0H

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	4527.9	4527.9	4527.9	4527.9	4527.9	4527.9	4527.9	4527.9	4527.9	4527.9	4527.9
2.5°	4578.8	4576.6	4578.8	4581.0	4578.8	4576.6	4578.8	4581.0	4572.1	4570.0	4574.3
5°	4676.1	4676.1	4680.4	4682.7	4680.4	4676.1	4676.1	4667.2	4660.6	4653.9	4651.8
7.5°	4760.1	4764.5	4768.9	4771.1	4768.9	4764.5	4760.1	4746.8	4733.5	4722.5	4713.6
10°	4810.9	4817.6	4826.4	4830.8	4826.4	4817.6	4810.9	4795.5	4777.7	4760.1	4746.8
12.5°	4833.0	4839.7	4850.7	4848.5	4850.7	4839.7	4833.0	4810.9	4791.0	4766.7	4746.8
15°	4817.6	4826.4	4837.4	4841.9	4837.4	4826.4	4817.6	4795.5	4777.7	4751.2	4731.3
17.5°	4768.9	4782.2	4788.8	4795.5	4788.8	4782.2	4768.9	4751.2	4726.9	4704.8	4684.9
20°	4702.5	4711.5	4720.3	4722.5	4720.3	4711.5	4702.5	4682.7	4645.1	4640.7	4625.2
22.5°	4607.5	4614.2	4634.0	4627.4	4634.0	4614.2	4607.5	4589.8	4576.6	4552.2	4536.7
25°	4470.4	4477.0	4479.3	4481.5	4479.3	4477.0	4470.4	4454.9	4441.7	4424.0	4415.2
27.5°	4233.9	4233.9	4238.2	4240.5	4238.2	4233.9	4233.9	4222.8	4214.0	4205.1	4196.3
30°	3875.7	3875.7	3875.7	3886.8	3875.7	3875.7	3875.7	3873.5	3873.5	3875.7	3875.7
32.5°	3462.3	3457.8	3453.4	3457.8	3453.4	3457.8	3462.3	3464.5	3462.3	3468.9	3479.9
35°	2993.5	2991.3	2998.0	2989.2	2998.0	2991.3	2993.5	2993.5	3002.4	3011.3	3013.4
37.5°	2544.7	2540.3	2549.2	2540.3	2549.2	2540.3	2544.7	2542.5	2540.3	2544.7	2538.1
40°	2118.1	2122.4	2122.4	2140.2	2122.4	2122.4	2118.1	2113.6	2098.1	2089.3	2080.5
42.5°	1709.0	1722.3	1717.8	1731.1	1717.8	1722.3	1709.0	1700.2	1682.4	1667.0	1653.8
45°	1322.1	1331.0	1331.0	1335.4	1331.0	1331.0	1322.1	1313.3	1297.8	1284.5	1275.7
47.5°	1014.8	1014.8	1014.8	1017.0	1014.8	1014.8	1014.8	999.3	994.9	986.1	975.0
50°	771.6	773.8	776.1	778.3	776.1	773.8	771.6	767.1	765.0	760.5	758.3
52.5°	592.5	594.7	590.3	594.7	590.3	594.7	592.5	594.7	588.1	588.1	585.9
55°	448.8	446.6	448.8	451.0	448.8	446.6	448.8	448.8	446.6	446.6	446.6
57.5°	329.4	325.0	325.0	325.0	325.0	325.0	329.4	327.2	333.9	329.4	331.6
60°	245.4	247.6	247.6	249.8	247.6	247.6	245.4	249.8	249.8	252.1	252.1
62.5°	181.3	187.9	183.5	187.9	183.5	187.9	181.3	183.5	183.5	185.7	187.9
65°	117.2	117.2	117.2	119.4	117.2	117.2	117.2	119.4	121.6	119.4	126.0
67.5°	79.6	81.8	86.3	84.0	86.3	81.8	79.6	81.8	81.8	88.5	86.3
70°	64.2	57.5	57.5	64.2	57.5	57.5	64.2	59.7	57.5	61.9	59.7
72.5°	37.6	33.1	37.6	37.6	37.6	33.1	37.6	33.1	35.4	35.4	39.8
75°	19.9	17.7	15.5	22.1	15.5	17.7	19.9	19.9	19.9	19.9	22.1
77.5°	13.3	11.0	15.5	15.5	15.5	11.0	13.3	11.0	13.3	11.0	13.3
80°	6.6	8.8	6.6	11.0	6.6	8.8	6.6	11.0	6.6	8.8	8.8
82.5°	2.2	4.5	4.5	4.5	4.5	4.5	2.2	2.2	4.5	4.5	2.2
85°	0.0	4.5	2.2	2.2	2.2	4.5	0.0	0.0	0.0	0.0	0.0
87.5°	2.2	0.0	0.0	2.2	0.0	0.0	2.2	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: P248579

CATALOG NUMBER: LD8B70D010 ER8B70850 8LBSW0H

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	4527.9	4527.9	4527.9	4527.9	4527.9	4527.9	4527.9	4527.9	4527.9	4527.9	4527.9
2.5°	4574.3	4567.7	4570.0	4556.7	4556.7	4552.2	4554.5	4543.4	4539.0	4534.6	4541.2
5°	4640.7	4629.6	4620.7	4600.9	4589.8	4576.6	4570.0	4552.2	4536.7	4523.4	4521.3
7.5°	4693.7	4669.4	4653.9	4627.4	4607.5	4592.1	4570.0	4545.6	4525.7	4508.0	4494.8
10°	4715.8	4691.5	4667.2	4634.0	4611.9	4583.1	4561.0	4530.1	4503.6	4479.3	4463.8
12.5°	4718.0	4687.1	4665.0	4627.4	4598.6	4567.7	4543.4	4508.0	4477.0	4452.7	4428.4
15°	4698.2	4669.4	4642.8	4603.1	4574.3	4545.6	4516.9	4479.3	4450.6	4421.8	4404.1
17.5°	4653.9	4627.4	4596.4	4558.8	4532.4	4505.8	4474.9	4443.9	4410.7	4379.8	4357.6
20°	4596.4	4567.7	4541.2	4503.6	4481.5	4452.7	4424.0	4390.9	4364.3	4333.3	4309.0
22.5°	4510.3	4483.7	4459.4	4437.3	4401.9	4379.8	4359.9	4322.3	4295.8	4267.0	4240.5
25°	4386.4	4359.9	4340.0	4313.4	4297.9	4273.6	4253.7	4220.6	4196.3	4169.7	4147.6
27.5°	4183.0	4167.5	4156.4	4141.0	4127.8	4116.7	4105.7	4079.1	4061.4	4037.1	4015.0
30°	3877.9	3875.7	3869.1	3862.4	3871.2	3871.2	3871.2	3866.9	3851.4	3833.7	3818.2
32.5°	3486.6	3491.0	3499.9	3506.5	3524.2	3544.1	3561.7	3570.6	3570.6	3559.6	3552.9
35°	3020.1	3026.7	3040.0	3057.7	3079.8	3104.1	3143.9	3152.8	3159.3	3159.3	3150.5
37.5°	2535.9	2533.7	2547.0	2562.4	2575.7	2593.4	2622.1	2628.8	2639.8	2635.4	2626.5
40°	2064.9	2053.9	2049.5	2053.9	2069.4	2062.7	2069.4	2064.9	2064.9	2049.5	2049.5
42.5°	1629.4	1616.2	1607.3	1600.7	1600.7	1585.2	1574.2	1563.1	1556.5	1545.4	1543.2
45°	1255.8	1240.3	1229.3	1224.8	1218.2	1198.3	1185.0	1171.7	1156.3	1151.9	1154.1
47.5°	975.0	959.5	955.1	944.1	933.0	921.9	913.1	897.6	895.4	886.5	895.4
50°	751.7	747.3	740.7	736.2	729.6	720.7	711.9	703.1	698.6	698.6	700.8
52.5°	583.7	585.9	579.2	572.6	568.2	568.2	557.1	554.9	554.9	546.1	554.9
55°	446.6	444.4	446.6	442.2	442.2	435.5	435.5	428.9	428.9	422.3	426.7
57.5°	327.2	331.6	327.2	329.4	333.9	327.2	325.0	318.3	322.8	318.3	320.6
60°	254.3	254.3	254.3	252.1	252.1	249.8	249.8	247.6	247.6	243.2	247.6
62.5°	187.9	190.1	190.1	190.1	192.4	190.1	187.9	190.1	187.9	187.9	190.1
65°	123.9	126.0	126.0	123.9	128.2	123.9	126.0	128.2	130.4	128.2	130.4
67.5°	84.0	84.0	86.3	88.5	86.3	88.5	90.6	88.5	90.6	95.1	90.6
70°	61.9	64.2	64.2	61.9	59.7	61.9	59.7	66.3	66.3	66.3	70.7
72.5°	39.8	39.8	37.6	37.6	37.6	37.6	37.6	44.2	39.8	37.6	42.0
75°	22.1	24.3	24.3	17.7	19.9	24.3	17.7	19.9	26.6	22.1	26.6
77.5°	13.3	13.3	13.3	13.3	13.3	13.3	17.7	15.5	15.5	15.5	17.7
80°	11.0	8.8	8.8	6.6	8.8	8.8	8.8	13.3	11.0	11.0	13.3
82.5°	4.5	4.5	2.2	0.0	4.5	4.5	4.5	4.5	4.5	4.5	8.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	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: P248579

CATALOG NUMBER: LD8B70D010 ER8B70850 8LBSW0H

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	4527.9	4527.9	4527.9	4527.9	4527.9	4527.9	4527.9	4527.9	4527.9	4527.9	4527.9
2.5°	4523.4	4523.4	4521.3	4516.9	4508.0	4508.0	4505.8	4499.2	4494.8	4492.5	4492.5
5°	4501.3	4492.5	4483.7	4459.4	4459.4	4454.9	4441.7	4432.8	4428.4	4417.3	4413.0
7.5°	4481.5	4454.9	4439.5	4424.0	4404.1	4395.2	4379.8	4373.1	4357.6	4346.6	4340.0
10°	4432.8	4415.2	4395.2	4370.9	4355.5	4337.8	4320.1	4306.9	4286.9	4275.8	4267.0
12.5°	4399.7	4373.1	4355.5	4328.9	4302.4	4286.9	4262.6	4247.2	4227.2	4205.1	4191.8
15°	4368.7	4340.0	4315.7	4286.9	4258.2	4240.5	4211.8	4194.1	4165.4	4143.2	4127.8
17.5°	4322.3	4297.9	4271.5	4236.1	4209.6	4187.5	4156.4	4134.4	4107.8	4079.1	4063.6
20°	4273.6	4244.9	4218.4	4183.0	4156.4	4130.0	4099.0	4074.7	4043.7	4017.2	3999.5
22.5°	4209.6	4176.4	4154.3	4118.9	4087.9	4059.2	4030.5	4001.7	3973.0	3950.9	3930.9
25°	4116.7	4081.3	4057.0	4028.2	3999.5	3977.4	3942.0	3924.4	3895.6	3875.7	3855.8
27.5°	3984.0	3957.5	3935.4	3906.6	3882.3	3864.7	3838.1	3820.5	3796.1	3778.4	3762.9
30°	3789.5	3767.4	3747.5	3718.7	3701.1	3685.6	3661.2	3645.7	3628.1	3608.1	3603.8
32.5°	3528.6	3510.9	3491.0	3471.1	3457.8	3449.0	3429.1	3420.2	3402.6	3391.5	3380.5
35°	3135.0	3119.6	3108.5	3099.7	3095.3	3097.4	3093.1	3101.9	3106.3	3104.1	3106.3
37.5°	2620.0	2611.0	2615.5	2622.1	2644.3	2673.0	2699.5	2739.3	2765.8	2792.4	2816.7
40°	2045.1	2051.7	2069.4	2109.2	2166.7	2230.8	2290.5	2365.7	2440.9	2493.9	2542.5
42.5°	1543.2	1563.1	1607.3	1664.8	1751.1	1846.1	1939.0	2049.5	2140.2	2228.6	2290.5
45°	1160.7	1187.2	1244.7	1324.4	1419.4	1529.9	1647.1	1770.9	1879.3	1969.9	2038.5
47.5°	904.3	928.6	986.1	1070.1	1187.2	1302.2	1423.8	1552.0	1664.8	1753.2	1812.9
50°	714.1	745.0	795.9	884.4	1001.6	1123.1	1249.2	1375.1	1481.3	1556.5	1609.6
52.5°	561.6	590.3	638.9	731.8	851.2	972.8	1089.9	1213.8	1306.6	1379.6	1415.0
55°	435.5	462.1	512.9	590.3	703.1	822.5	939.6	1045.8	1132.0	1185.0	1218.2
57.5°	331.6	351.5	386.9	464.3	566.0	676.5	776.1	882.2	948.5	986.1	1008.1
60°	252.1	267.5	305.1	364.8	457.7	552.7	636.7	716.4	769.4	800.4	822.5
62.5°	190.1	207.8	234.3	285.2	355.9	433.4	504.1	563.8	608.0	627.9	643.4
65°	130.4	143.7	163.6	203.4	263.1	318.3	373.7	417.9	446.6	468.8	477.6
67.5°	97.3	106.1	117.2	148.2	190.1	234.3	271.9	302.9	333.9	342.7	358.2
70°	73.0	79.6	90.6	112.8	137.0	168.0	199.0	216.7	238.8	254.3	258.7
72.5°	46.4	48.6	59.7	73.0	92.8	112.8	132.7	148.2	161.4	170.3	174.6
75°	26.6	39.8	39.8	53.1	66.3	75.2	88.5	99.5	106.1	112.8	112.8
77.5°	17.7	24.3	26.6	33.1	39.8	50.9	61.9	68.5	75.2	77.4	77.4
80°	15.5	17.7	17.7	24.3	28.8	37.6	44.2	46.4	50.9	53.1	57.5
82.5°	6.6	8.8	11.0	17.7	19.9	19.9	26.6	28.8	33.1	35.4	35.4
85°	2.2	4.5	4.5	6.6	11.0	13.3	15.5	17.7	19.9	19.9	22.1
87.5°	2.2	2.2	0.0	2.2	4.5	4.5	8.8	8.8	8.8	13.3	13.3
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: P248579

CATALOG NUMBER: LD8B70D010 ER8B70850 8LBSW0H

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	4527.9	4527.9	4527.9	4527.9	4527.9	4527.9	4527.9
2.5°	4488.1	4490.3	4481.5	4479.3	4474.9	4477.0	4481.5
5°	4406.3	4408.5	4399.7	4390.9	4390.9	4388.6	4390.9
7.5°	4328.9	4331.2	4317.9	4313.4	4304.6	4306.9	4306.9
10°	4251.5	4251.5	4231.7	4229.4	4222.8	4220.6	4220.6
12.5°	4176.4	4169.7	4154.3	4145.4	4149.9	4136.6	4136.6
15°	4110.0	4099.0	4079.1	4072.4	4061.4	4057.0	4057.0
17.5°	4041.5	4032.7	4015.0	4001.7	3988.4	3986.3	3988.4
20°	3975.2	3966.3	3944.2	3935.4	3924.4	3924.4	3919.9
22.5°	3908.8	3900.0	3880.2	3873.5	3858.0	3858.0	3860.2
25°	3840.3	3833.7	3811.5	3807.2	3805.0	3796.1	3800.5
27.5°	3747.5	3743.0	3725.4	3718.7	3709.9	3707.7	3712.1
30°	3577.2	3570.6	3557.4	3550.7	3535.3	3537.4	3541.8
32.5°	3365.0	3356.2	3338.4	3331.8	3318.6	3314.1	3316.3
35°	3099.7	3093.1	3077.6	3077.6	3064.3	3059.9	3064.3
37.5°	2830.0	2836.5	2830.0	2836.5	2830.0	2827.7	2830.0
40°	2575.7	2600.0	2604.4	2628.8	2620.0	2633.2	2631.0
42.5°	2332.5	2372.2	2387.8	2407.6	2403.3	2412.1	2418.7
45°	2087.0	2120.3	2135.7	2149.0	2151.2	2155.7	2157.8
47.5°	1854.9	1881.5	1883.7	1899.1	1896.9	1896.9	1903.6
50°	1638.3	1656.0	1660.3	1671.4	1662.6	1658.2	1660.3
52.5°	1437.1	1454.8	1450.3	1454.8	1443.8	1439.3	1441.5
55°	1231.4	1240.3	1240.3	1240.3	1227.1	1227.1	1227.1
57.5°	1021.4	1023.7	1019.2	1021.4	1019.2	1005.9	1003.8
60°	829.1	829.1	826.8	829.1	822.5	815.8	815.8
62.5°	647.8	652.2	661.0	652.2	647.8	652.2	645.6
65°	484.2	493.1	490.8	495.2	493.1	493.1	488.6
67.5°	364.8	367.0	369.2	371.5	371.5	371.5	371.5
70°	267.5	274.2	271.9	271.9	271.9	271.9	285.2
72.5°	179.1	187.9	185.7	190.1	190.1	194.6	190.1
75°	121.6	130.4	126.0	132.7	130.4	126.0	137.0
77.5°	81.8	86.3	88.5	90.6	88.5	86.3	88.5
80°	57.5	61.9	59.7	61.9	61.9	61.9	64.2
82.5°	35.4	42.0	39.8	42.0	39.8	42.0	42.0
85°	24.3	26.6	22.1	26.6	24.3	24.3	28.8
87.5°	15.5	13.3	13.3	15.5	13.3	15.5	13.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)