

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: P248625

Luminaire Tested: **LD8B80D010 ER8B80950 8LBSW0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P248625  
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: LD8B80D010 ER8B80950 8LBSW0H  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
90 CRI 5000 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7719.0 lumens  
Efficiency: N/A  
Efficacy: 103.7 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

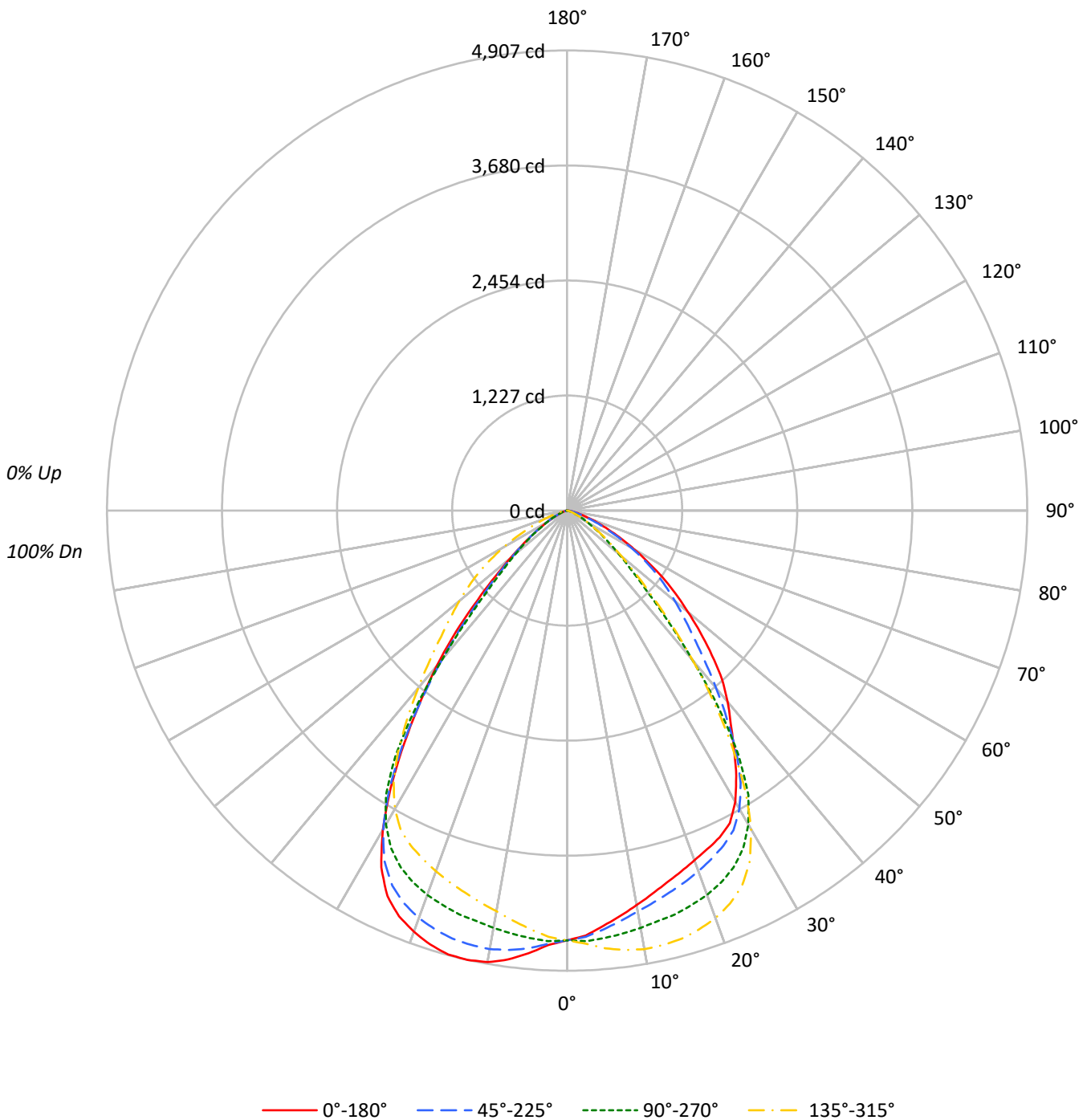
Input Watts (W): 74.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	141307	141307	141307	141307
5°	137554	141640	146698	141640
10°	133749	141455	153084	141455
15°	131077	142295	156438	142295
20°	130185	143108	156838	143108
25°	130870	142820	154320	142820
30°	127632	137591	140066	137591
35°	116746	120028	113881	120028
40°	107184	83495	87190	83495
45°	95238	50935	58938	50935
50°	80613	34027	37783	34027
55°	66766	23220	24537	23220
60°	50923	15455	15591	15455
65°	36081	9631	8814	9631
70°	26020	6455	5851	6455
75°	16525	3205	2669	3205
80°	11525	2380	1971	2380
85°	10296	0	778	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	436.2	5.7
10°-20°	1263.1	16.4
20°-30°	1912.6	24.8
30°-40°	1916.8	24.8
40°-50°	1203.7	15.6
50°-60°	641.4	8.3
60°-70°	263.8	3.4
70°-80°	69.7	0.9
80°-90°	11.8	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°	3611.8	46.8
0°-40°	5528.6	71.6
0°-60°	7373.8	95.5
0°-90°	7719.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7719.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	4582	4582	4582	4582	4582	
5°	4444	4576	4739	4576	4444	419
15°	4106	4457	4900	4457	4106	1161
25°	3846	4198	4536	4198	3846	1764
35°	3101	3188	3025	3188	3101	1943
45°	2184	1168	1352	1168	2184	1680
55°	1242	432	456	432	1242	1107
65°	494	132	121	132	494	513
75°	139	27	22	27	139	157
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°	4582.5	4582.5	4582.5	4582.5	4582.5	4582.5	4582.5	4582.5	4582.5	4582.5	4582.5
2.5°	4535.6	4531.0	4528.8	4533.3	4535.6	4544.5	4542.3	4546.7	4546.7	4549.0	4553.4
5°	4443.8	4441.5	4443.8	4443.8	4452.8	4461.7	4459.5	4466.2	4470.6	4481.9	4486.3
7.5°	4358.8	4358.8	4356.5	4365.4	4370.0	4383.4	4381.1	4392.3	4399.1	4410.2	4425.9
10°	4271.5	4271.5	4273.7	4280.4	4282.7	4302.8	4302.8	4318.5	4327.4	4338.6	4358.8
12.5°	4186.5	4186.5	4199.9	4195.4	4204.4	4220.0	4226.7	4242.4	4255.8	4278.2	4298.4
15°	4105.9	4105.9	4110.4	4121.6	4128.3	4148.5	4159.6	4177.6	4193.2	4215.6	4244.7
17.5°	4036.6	4034.3	4036.6	4050.0	4063.5	4081.3	4090.3	4112.6	4128.3	4157.4	4184.3
20°	3967.2	3971.7	3971.7	3982.9	3991.8	4014.2	4023.1	4047.8	4065.7	4092.5	4123.9
22.5°	3906.8	3904.6	3904.6	3920.2	3927.0	3947.0	3956.0	3978.4	3998.5	4020.9	4050.0
25°	3846.4	3841.9	3850.9	3853.1	3857.5	3879.9	3886.6	3902.3	3922.4	3942.6	3971.7
27.5°	3756.8	3752.4	3754.6	3763.6	3770.3	3788.2	3792.7	3808.3	3824.0	3841.9	3866.5
30°	3584.5	3580.1	3577.9	3593.6	3600.3	3613.6	3620.4	3647.3	3651.7	3671.8	3689.7
32.5°	3356.3	3354.1	3358.6	3372.0	3378.7	3396.6	3405.6	3421.2	3432.4	3443.6	3461.5
35°	3101.3	3096.8	3101.3	3114.7	3114.7	3130.4	3137.1	3143.7	3141.5	3143.7	3139.3
37.5°	2864.1	2861.8	2864.1	2870.8	2864.1	2870.8	2864.1	2850.7	2826.1	2799.2	2772.3
40°	2662.7	2664.9	2651.6	2660.5	2635.8	2631.4	2606.8	2573.2	2524.0	2470.3	2394.2
42.5°	2447.9	2441.2	2432.3	2436.7	2416.6	2400.9	2360.6	2318.2	2255.4	2166.0	2074.2
45°	2183.9	2181.7	2177.2	2174.9	2161.5	2145.8	2112.2	2063.0	1993.7	1902.0	1792.3
47.5°	1926.5	1919.8	1919.8	1922.0	1906.4	1904.2	1877.3	1834.8	1774.4	1684.9	1570.8
50°	1680.4	1678.2	1682.7	1691.6	1680.4	1675.9	1658.1	1629.0	1575.3	1499.2	1391.7
52.5°	1458.9	1456.7	1461.2	1472.3	1467.8	1472.3	1454.4	1432.1	1396.2	1322.4	1228.4
55°	1241.9	1241.9	1241.9	1255.2	1255.2	1255.2	1246.3	1232.9	1199.3	1145.6	1058.4
57.5°	1015.9	1018.1	1031.5	1033.7	1031.5	1036.0	1033.7	1020.3	998.0	960.0	892.8
60°	825.7	825.7	832.4	839.1	836.8	839.1	839.1	832.4	810.0	778.7	725.0
62.5°	653.4	660.1	655.6	660.1	669.0	660.1	655.6	651.1	635.5	615.3	570.6
65°	494.5	499.0	499.0	501.2	496.7	499.0	490.1	483.3	474.4	452.0	422.9
67.5°	376.0	376.0	376.0	376.0	373.6	371.4	369.2	362.5	346.8	337.9	306.5
70°	288.6	275.2	275.2	275.2	275.2	277.5	270.8	261.8	257.3	241.7	219.3
72.5°	192.4	196.9	192.4	192.4	188.0	190.2	181.3	176.7	172.3	163.4	149.9
75°	138.7	127.6	132.0	134.3	127.6	132.0	123.0	114.1	114.1	107.4	100.7
77.5°	89.5	87.3	89.5	91.7	89.5	87.3	82.8	78.3	78.3	76.1	69.4
80°	64.9	62.6	62.6	62.6	60.4	62.6	58.2	58.2	53.7	51.5	47.0
82.5°	42.6	42.6	40.2	42.6	40.2	42.6	35.8	35.8	35.8	33.5	29.1
85°	29.1	24.6	24.6	26.9	22.4	26.9	24.6	22.4	20.2	20.2	17.9
87.5°	13.4	15.7	13.4	15.7	13.4	13.4	15.7	13.4	13.4	8.9	8.9
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°	4582.5	4582.5	4582.5	4582.5	4582.5	4582.5	4582.5	4582.5	4582.5	4582.5	4582.5
2.5°	4560.1	4562.4	4562.4	4571.4	4575.8	4578.0	4578.0	4596.0	4589.2	4593.8	4598.2
5°	4495.3	4508.7	4513.2	4513.2	4537.8	4546.7	4555.6	4575.8	4578.0	4591.5	4607.1
7.5°	4432.6	4448.2	4457.3	4477.3	4493.0	4508.7	4535.6	4549.0	4562.4	4580.3	4600.4
10°	4372.2	4390.1	4408.0	4423.7	4448.2	4468.4	4486.3	4517.6	4533.3	4557.9	4584.7
12.5°	4314.1	4338.6	4354.3	4381.1	4408.0	4425.9	4452.8	4481.9	4506.5	4531.0	4562.4
15°	4262.6	4291.7	4309.5	4338.6	4367.7	4392.3	4421.4	4457.3	4475.1	4504.2	4533.3
17.5°	4206.6	4238.0	4260.4	4287.2	4323.0	4349.8	4374.5	4410.2	4432.6	4463.9	4497.5
20°	4148.5	4179.8	4206.6	4233.5	4269.3	4296.1	4325.2	4361.0	4385.6	4416.9	4443.8
22.5°	4079.1	4108.2	4137.2	4168.5	4204.4	4226.7	4260.4	4291.7	4318.5	4347.6	4374.5
25°	3989.6	4025.4	4047.8	4076.8	4105.9	4130.5	4166.3	4197.6	4220.0	4246.9	4271.5
27.5°	3884.4	3911.3	3929.2	3953.8	3982.9	4005.2	4032.0	4063.5	4085.8	4110.4	4128.3
30°	3705.4	3730.0	3745.7	3763.6	3792.7	3812.8	3835.2	3864.2	3879.9	3897.9	3913.5
32.5°	3470.4	3490.6	3499.5	3513.0	3533.1	3553.2	3571.2	3595.8	3602.5	3613.6	3613.6
35°	3130.4	3134.8	3132.6	3137.1	3146.0	3157.2	3172.8	3188.5	3197.4	3197.4	3190.8
37.5°	2732.1	2705.3	2676.1	2653.8	2647.0	2642.5	2651.6	2658.2	2667.2	2671.6	2660.5
40°	2318.2	2257.7	2192.8	2134.6	2094.4	2076.5	2069.8	2074.2	2074.2	2089.8	2089.8
42.5°	1962.4	1868.3	1772.2	1684.9	1626.7	1582.0	1561.8	1561.8	1564.0	1575.3	1582.0
45°	1667.0	1548.4	1436.5	1340.3	1259.7	1201.5	1174.7	1168.0	1165.8	1170.2	1185.9
47.5°	1441.0	1318.0	1201.5	1083.0	998.0	939.8	915.2	906.2	897.2	906.2	908.5
50°	1264.3	1136.7	1013.7	895.0	805.5	754.0	722.7	709.3	707.1	707.1	711.6
52.5°	1103.1	984.5	861.5	740.7	646.6	597.5	568.3	561.6	552.7	561.6	561.6
55°	950.9	832.4	711.6	597.5	519.1	467.7	440.8	431.9	427.3	434.1	434.1
57.5°	785.4	684.7	572.9	469.9	391.6	355.8	335.6	324.5	322.2	326.7	322.2
60°	644.4	559.4	463.2	369.2	308.8	270.8	255.1	250.6	246.1	250.6	250.6
62.5°	510.1	438.6	360.2	288.6	237.2	210.4	192.4	192.4	190.2	190.2	192.4
65°	378.2	322.2	266.3	205.8	165.6	145.4	132.0	132.0	129.8	132.0	129.8
67.5°	275.2	237.2	192.4	149.9	118.6	107.4	98.5	91.7	96.2	91.7	89.5
70°	201.4	170.0	138.7	114.1	91.7	80.6	73.9	71.6	67.1	67.1	67.1
72.5°	134.3	114.1	93.9	73.9	60.4	49.2	47.0	42.6	38.0	40.2	44.8
75°	89.5	76.1	67.1	53.7	40.2	40.2	26.9	26.9	22.4	26.9	20.2
77.5°	62.6	51.5	40.2	33.5	26.9	24.6	17.9	17.9	15.7	15.7	15.7
80°	44.8	38.0	29.1	24.6	17.9	17.9	15.7	13.4	11.1	11.1	13.4
82.5°	26.9	20.2	20.2	17.9	11.1	8.9	6.7	8.9	4.5	4.5	4.5
85°	15.7	13.4	11.1	6.7	4.5	4.5	2.2	0.0	2.2	2.2	0.0
87.5°	8.9	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°	4582.5	4582.5	4582.5	4582.5	4582.5	4582.5	4582.5	4582.5	4582.5	4582.5	4582.5
2.5°	4609.4	4607.1	4611.6	4611.6	4625.1	4622.8	4629.5	4629.5	4625.1	4627.3	4636.2
5°	4625.1	4631.8	4645.2	4656.4	4676.5	4685.5	4696.6	4707.9	4710.1	4716.8	4723.5
7.5°	4625.1	4647.5	4663.1	4683.2	4710.1	4725.7	4750.3	4770.5	4779.4	4790.6	4804.0
10°	4616.1	4638.4	4667.5	4689.9	4723.5	4748.1	4772.7	4804.0	4817.5	4835.3	4853.3
12.5°	4598.2	4622.8	4654.1	4683.2	4721.2	4743.6	4774.9	4804.0	4824.2	4848.8	4869.0
15°	4571.4	4600.4	4629.5	4658.6	4698.8	4725.7	4754.8	4788.4	4808.5	4835.3	4853.3
17.5°	4528.8	4560.1	4587.0	4613.8	4651.9	4683.2	4710.1	4741.4	4761.6	4783.9	4808.5
20°	4477.3	4506.5	4535.6	4557.9	4596.0	4622.8	4651.9	4681.0	4696.6	4701.2	4739.2
22.5°	4412.5	4432.6	4455.0	4490.8	4513.2	4537.8	4564.7	4591.5	4607.1	4631.8	4645.2
25°	4305.0	4325.2	4349.8	4365.4	4392.3	4412.5	4439.3	4468.4	4477.3	4495.3	4508.7
27.5°	4155.2	4166.3	4177.6	4190.9	4206.6	4217.8	4233.5	4246.9	4255.8	4264.8	4273.7
30°	3917.9	3917.9	3917.9	3909.0	3915.7	3922.4	3924.7	3922.4	3922.4	3920.2	3920.2
32.5°	3604.7	3586.8	3566.7	3548.8	3542.1	3533.1	3528.6	3521.9	3510.8	3504.0	3506.2
35°	3181.8	3141.5	3116.9	3094.6	3076.7	3063.2	3056.5	3049.8	3047.6	3038.7	3029.6
37.5°	2653.8	2624.7	2606.8	2593.4	2577.7	2564.2	2566.5	2568.8	2575.4	2571.0	2573.2
40°	2094.4	2087.6	2094.4	2078.7	2074.2	2078.7	2089.8	2105.6	2114.5	2123.5	2139.1
42.5°	1593.1	1604.3	1620.0	1620.0	1626.7	1635.7	1649.0	1673.7	1687.1	1702.7	1720.7
45°	1199.3	1212.8	1232.9	1239.6	1244.1	1255.2	1271.0	1291.1	1300.0	1313.4	1329.1
47.5°	924.1	933.1	944.2	955.4	966.6	971.1	986.8	986.8	998.0	1006.9	1011.3
50°	720.5	729.4	738.4	745.1	749.6	756.3	760.7	767.5	769.7	774.2	776.4
52.5°	563.8	575.1	575.1	579.5	586.2	592.9	590.7	592.9	595.1	595.1	601.9
55°	440.8	440.8	447.5	447.5	452.0	449.7	452.0	452.0	452.0	452.0	454.2
57.5°	328.9	331.2	337.9	333.4	331.2	335.6	331.2	335.6	333.4	337.9	331.2
60°	252.8	252.8	255.1	255.1	257.3	257.3	257.3	255.1	255.1	252.8	252.8
62.5°	190.2	192.4	194.7	192.4	192.4	192.4	190.2	190.2	188.0	185.7	185.7
65°	127.6	125.3	129.8	125.3	127.6	127.6	125.3	127.6	120.8	123.0	120.8
67.5°	91.7	89.5	87.3	89.5	87.3	85.0	85.0	87.3	89.5	82.8	82.8
70°	60.4	62.6	60.4	62.6	64.9	64.9	62.6	60.4	62.6	58.2	60.4
72.5°	38.0	38.0	38.0	38.0	38.0	40.2	40.2	40.2	35.8	35.8	33.5
75°	17.9	24.6	20.2	17.9	24.6	24.6	22.4	22.4	20.2	20.2	20.2
77.5°	17.9	13.4	13.4	13.4	13.4	13.4	13.4	13.4	11.1	13.4	11.1
80°	8.9	8.9	8.9	6.7	8.9	8.9	11.1	8.9	8.9	6.7	11.1
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: P248625

CATALOG NUMBER: LD8B80D010 ER8B80950 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	4582.5	4582.5	4582.5	4582.5	4582.5	4582.5	4582.5	4582.5	4582.5	4582.5	4582.5
2.5°	4634.0	4631.8	4634.0	4636.2	4634.0	4631.8	4634.0	4636.2	4627.3	4625.1	4629.5
5°	4732.5	4732.5	4736.9	4739.2	4736.9	4732.5	4732.5	4723.5	4716.8	4710.1	4707.9
7.5°	4817.5	4822.0	4826.4	4828.6	4826.4	4822.0	4817.5	4804.0	4790.6	4779.4	4770.5
10°	4869.0	4875.7	4884.6	4889.0	4884.6	4875.7	4869.0	4853.3	4835.3	4817.5	4804.0
12.5°	4891.3	4898.1	4909.2	4907.0	4909.2	4898.1	4891.3	4869.0	4848.8	4824.2	4804.0
15°	4875.7	4884.6	4895.8	4900.3	4895.8	4884.6	4875.7	4853.3	4835.3	4808.5	4788.4
17.5°	4826.4	4839.9	4846.6	4853.3	4846.6	4839.9	4826.4	4808.5	4783.9	4761.6	4741.4
20°	4759.3	4768.3	4777.2	4779.4	4777.2	4768.3	4759.3	4739.2	4701.2	4696.6	4681.0
22.5°	4663.1	4669.8	4689.9	4683.2	4689.9	4669.8	4663.1	4645.2	4631.8	4607.1	4591.5
25°	4524.3	4531.0	4533.3	4535.6	4533.3	4531.0	4524.3	4508.7	4495.3	4477.3	4468.4
27.5°	4285.0	4285.0	4289.4	4291.7	4289.4	4285.0	4285.0	4273.7	4264.8	4255.8	4246.9
30°	3922.4	3922.4	3922.4	3933.7	3922.4	3922.4	3922.4	3920.2	3920.2	3922.4	3922.4
32.5°	3504.0	3499.5	3495.1	3499.5	3495.1	3499.5	3504.0	3506.2	3504.0	3510.8	3521.9
35°	3029.6	3027.4	3034.1	3025.2	3034.1	3027.4	3029.6	3029.6	3038.7	3047.6	3049.8
37.5°	2575.4	2571.0	2579.9	2571.0	2579.9	2571.0	2575.4	2573.2	2571.0	2575.4	2568.8
40°	2143.6	2148.0	2148.0	2166.0	2148.0	2148.0	2143.6	2139.1	2123.5	2114.5	2105.6
42.5°	1729.6	1743.1	1738.6	1752.0	1738.6	1743.1	1729.6	1720.7	1702.7	1687.1	1673.7
45°	1338.0	1347.1	1347.1	1351.5	1347.1	1347.1	1338.0	1329.1	1313.4	1300.0	1291.1
47.5°	1027.0	1027.0	1027.0	1029.3	1027.0	1027.0	1027.0	1011.3	1006.9	998.0	986.8
50°	780.9	783.1	785.4	787.6	785.4	783.1	780.9	776.4	774.2	769.7	767.5
52.5°	599.7	601.9	597.5	601.9	597.5	601.9	599.7	601.9	595.1	595.1	592.9
55°	454.2	452.0	454.2	456.4	454.2	452.0	454.2	454.2	452.0	452.0	452.0
57.5°	333.4	328.9	328.9	328.9	328.9	328.9	333.4	331.2	337.9	333.4	335.6
60°	248.4	250.6	250.6	252.8	250.6	250.6	248.4	252.8	252.8	255.1	255.1
62.5°	183.5	190.2	185.7	190.2	185.7	190.2	183.5	185.7	185.7	188.0	190.2
65°	118.6	118.6	118.6	120.8	118.6	118.6	118.6	120.8	123.0	120.8	127.6
67.5°	80.6	82.8	87.3	85.0	87.3	82.8	80.6	82.8	82.8	89.5	87.3
70°	64.9	58.2	58.2	64.9	58.2	58.2	64.9	60.4	58.2	62.6	60.4
72.5°	38.0	33.5	38.0	38.0	38.0	33.5	38.0	33.5	35.8	35.8	40.2
75°	20.2	17.9	15.7	22.4	15.7	17.9	20.2	20.2	20.2	20.2	22.4
77.5°	13.4	11.1	15.7	15.7	15.7	11.1	13.4	11.1	13.4	11.1	13.4
80°	6.7	8.9	6.7	11.1	6.7	8.9	6.7	11.1	6.7	8.9	8.9
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: P248625

CATALOG NUMBER: LD8B80D010 ER8B80950 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	4582.5	4582.5	4582.5	4582.5	4582.5	4582.5	4582.5	4582.5	4582.5	4582.5	4582.5
2.5°	4629.5	4622.8	4625.1	4611.6	4611.6	4607.1	4609.4	4598.2	4593.8	4589.2	4596.0
5°	4696.6	4685.5	4676.5	4656.4	4645.2	4631.8	4625.1	4607.1	4591.5	4578.0	4575.8
7.5°	4750.3	4725.7	4710.1	4683.2	4663.1	4647.5	4625.1	4600.4	4580.3	4562.4	4549.0
10°	4772.7	4748.1	4723.5	4689.9	4667.5	4638.4	4616.1	4584.7	4557.9	4533.3	4517.6
12.5°	4774.9	4743.6	4721.2	4683.2	4654.1	4622.8	4598.2	4562.4	4531.0	4506.5	4481.9
15°	4754.8	4725.7	4698.8	4658.6	4629.5	4600.4	4571.4	4533.3	4504.2	4475.1	4457.3
17.5°	4710.1	4683.2	4651.9	4613.8	4587.0	4560.1	4528.8	4497.5	4463.9	4432.6	4410.2
20°	4651.9	4622.8	4596.0	4557.9	4535.6	4506.5	4477.3	4443.8	4416.9	4385.6	4361.0
22.5°	4564.7	4537.8	4513.2	4490.8	4455.0	4432.6	4412.5	4374.5	4347.6	4318.5	4291.7
25°	4439.3	4412.5	4392.3	4365.4	4349.8	4325.2	4305.0	4271.5	4246.9	4220.0	4197.6
27.5°	4233.5	4217.8	4206.6	4190.9	4177.6	4166.3	4155.2	4128.3	4110.4	4085.8	4063.5
30°	3924.7	3922.4	3915.7	3909.0	3917.9	3917.9	3917.9	3913.5	3897.9	3879.9	3864.2
32.5°	3528.6	3533.1	3542.1	3548.8	3566.7	3586.8	3604.7	3613.6	3613.6	3602.5	3595.8
35°	3056.5	3063.2	3076.7	3094.6	3116.9	3141.5	3181.8	3190.8	3197.4	3197.4	3188.5
37.5°	2566.5	2564.2	2577.7	2593.4	2606.8	2624.7	2653.8	2660.5	2671.6	2667.2	2658.2
40°	2089.8	2078.7	2074.2	2078.7	2094.4	2087.6	2094.4	2089.8	2089.8	2074.2	2074.2
42.5°	1649.0	1635.7	1626.7	1620.0	1620.0	1604.3	1593.1	1582.0	1575.3	1564.0	1561.8
45°	1271.0	1255.2	1244.1	1239.6	1232.9	1212.8	1199.3	1185.9	1170.2	1165.8	1168.0
47.5°	986.8	971.1	966.6	955.4	944.2	933.1	924.1	908.5	906.2	897.2	906.2
50°	760.7	756.3	749.6	745.1	738.4	729.4	720.5	711.6	707.1	707.1	709.3
52.5°	590.7	592.9	586.2	579.5	575.1	575.1	563.8	561.6	561.6	552.7	561.6
55°	452.0	449.7	452.0	447.5	447.5	440.8	440.8	434.1	434.1	427.3	431.9
57.5°	331.2	335.6	331.2	333.4	337.9	331.2	328.9	322.2	326.7	322.2	324.5
60°	257.3	257.3	257.3	255.1	255.1	252.8	252.8	250.6	250.6	246.1	250.6
62.5°	190.2	192.4	192.4	192.4	194.7	192.4	190.2	192.4	190.2	190.2	192.4
65°	125.3	127.6	127.6	125.3	129.8	125.3	127.6	129.8	132.0	129.8	132.0
67.5°	85.0	85.0	87.3	89.5	87.3	89.5	91.7	89.5	91.7	96.2	91.7
70°	62.6	64.9	64.9	62.6	60.4	62.6	60.4	67.1	67.1	67.1	71.6
72.5°	40.2	40.2	38.0	38.0	38.0	38.0	38.0	44.8	40.2	38.0	42.6
75°	22.4	24.6	24.6	17.9	20.2	24.6	17.9	20.2	26.9	22.4	26.9
77.5°	13.4	13.4	13.4	13.4	13.4	13.4	17.9	15.7	15.7	15.7	17.9
80°	11.1	8.9	8.9	6.7	8.9	8.9	8.9	13.4	11.1	11.1	13.4
82.5°	4.5	4.5	2.2	0.0	4.5	4.5	4.5	4.5	4.5	4.5	8.9
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: P248625

CATALOG NUMBER: LD8B80D010 ER8B80950 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	4582.5	4582.5	4582.5	4582.5	4582.5	4582.5	4582.5	4582.5	4582.5	4582.5	4582.5
2.5°	4578.0	4578.0	4575.8	4571.4	4562.4	4562.4	4560.1	4553.4	4549.0	4546.7	4546.7
5°	4555.6	4546.7	4537.8	4513.2	4513.2	4508.7	4495.3	4486.3	4481.9	4470.6	4466.2
7.5°	4535.6	4508.7	4493.0	4477.3	4457.3	4448.2	4432.6	4425.9	4410.2	4399.1	4392.3
10°	4486.3	4468.4	4448.2	4423.7	4408.0	4390.1	4372.2	4358.8	4338.6	4327.4	4318.5
12.5°	4452.8	4425.9	4408.0	4381.1	4354.3	4338.6	4314.1	4298.4	4278.2	4255.8	4242.4
15°	4421.4	4392.3	4367.7	4338.6	4309.5	4291.7	4262.6	4244.7	4215.6	4193.2	4177.6
17.5°	4374.5	4349.8	4323.0	4287.2	4260.4	4238.0	4206.6	4184.3	4157.4	4128.3	4112.6
20°	4325.2	4296.1	4269.3	4233.5	4206.6	4179.8	4148.5	4123.9	4092.5	4065.7	4047.8
22.5°	4260.4	4226.7	4204.4	4168.5	4137.2	4108.2	4079.1	4050.0	4020.9	3998.5	3978.4
25°	4166.3	4130.5	4105.9	4076.8	4047.8	4025.4	3989.6	3971.7	3942.6	3922.4	3902.3
27.5°	4032.0	4005.2	3982.9	3953.8	3929.2	3911.3	3884.4	3866.5	3841.9	3824.0	3808.3
30°	3835.2	3812.8	3792.7	3763.6	3745.7	3730.0	3705.4	3689.7	3671.8	3651.7	3647.3
32.5°	3571.2	3553.2	3533.1	3513.0	3499.5	3490.6	3470.4	3461.5	3443.6	3432.4	3421.2
35°	3172.8	3157.2	3146.0	3137.1	3132.6	3134.8	3130.4	3139.3	3143.7	3141.5	3143.7
37.5°	2651.6	2642.5	2647.0	2653.8	2676.1	2705.3	2732.1	2772.3	2799.2	2826.1	2850.7
40°	2069.8	2076.5	2094.4	2134.6	2192.8	2257.7	2318.2	2394.2	2470.3	2524.0	2573.2
42.5°	1561.8	1582.0	1626.7	1684.9	1772.2	1868.3	1962.4	2074.2	2166.0	2255.4	2318.2
45°	1174.7	1201.5	1259.7	1340.3	1436.5	1548.4	1667.0	1792.3	1902.0	1993.7	2063.0
47.5°	915.2	939.8	998.0	1083.0	1201.5	1318.0	1441.0	1570.8	1684.9	1774.4	1834.8
50°	722.7	754.0	805.5	895.0	1013.7	1136.7	1264.3	1391.7	1499.2	1575.3	1629.0
52.5°	568.3	597.5	646.6	740.7	861.5	984.5	1103.1	1228.4	1322.4	1396.2	1432.1
55°	440.8	467.7	519.1	597.5	711.6	832.4	950.9	1058.4	1145.6	1199.3	1232.9
57.5°	335.6	355.8	391.6	469.9	572.9	684.7	785.4	892.8	960.0	998.0	1020.3
60°	255.1	270.8	308.8	369.2	463.2	559.4	644.4	725.0	778.7	810.0	832.4
62.5°	192.4	210.4	237.2	288.6	360.2	438.6	510.1	570.6	615.3	635.5	651.1
65°	132.0	145.4	165.6	205.8	266.3	322.2	378.2	422.9	452.0	474.4	483.3
67.5°	98.5	107.4	118.6	149.9	192.4	237.2	275.2	306.5	337.9	346.8	362.5
70°	73.9	80.6	91.7	114.1	138.7	170.0	201.4	219.3	241.7	257.3	261.8
72.5°	47.0	49.2	60.4	73.9	93.9	114.1	134.3	149.9	163.4	172.3	176.7
75°	26.9	40.2	40.2	53.7	67.1	76.1	89.5	100.7	107.4	114.1	114.1
77.5°	17.9	24.6	26.9	33.5	40.2	51.5	62.6	69.4	76.1	78.3	78.3
80°	15.7	17.9	17.9	24.6	29.1	38.0	44.8	47.0	51.5	53.7	58.2
82.5°	6.7	8.9	11.1	17.9	20.2	20.2	26.9	29.1	33.5	35.8	35.8
85°	2.2	4.5	4.5	6.7	11.1	13.4	15.7	17.9	20.2	20.2	22.4
87.5°	2.2	2.2	0.0	2.2	4.5	4.5	8.9	8.9	8.9	13.4	13.4
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: P248625

CATALOG NUMBER: LD8B80D010 ER8B80950 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	4582.5	4582.5	4582.5	4582.5	4582.5	4582.5	4582.5
2.5°	4542.3	4544.5	4535.6	4533.3	4528.8	4531.0	4535.6
5°	4459.5	4461.7	4452.8	4443.8	4443.8	4441.5	4443.8
7.5°	4381.1	4383.4	4370.0	4365.4	4356.5	4358.8	4358.8
10°	4302.8	4302.8	4282.7	4280.4	4273.7	4271.5	4271.5
12.5°	4226.7	4220.0	4204.4	4195.4	4199.9	4186.5	4186.5
15°	4159.6	4148.5	4128.3	4121.6	4110.4	4105.9	4105.9
17.5°	4090.3	4081.3	4063.5	4050.0	4036.6	4034.3	4036.6
20°	4023.1	4014.2	3991.8	3982.9	3971.7	3971.7	3967.2
22.5°	3956.0	3947.0	3927.0	3920.2	3904.6	3904.6	3906.8
25°	3886.6	3879.9	3857.5	3853.1	3850.9	3841.9	3846.4
27.5°	3792.7	3788.2	3770.3	3763.6	3754.6	3752.4	3756.8
30°	3620.4	3613.6	3600.3	3593.6	3577.9	3580.1	3584.5
32.5°	3405.6	3396.6	3378.7	3372.0	3358.6	3354.1	3356.3
35°	3137.1	3130.4	3114.7	3114.7	3101.3	3096.8	3101.3
37.5°	2864.1	2870.8	2864.1	2870.8	2864.1	2861.8	2864.1
40°	2606.8	2631.4	2635.8	2660.5	2651.6	2664.9	2662.7
42.5°	2360.6	2400.9	2416.6	2436.7	2432.3	2441.2	2447.9
45°	2112.2	2145.8	2161.5	2174.9	2177.2	2181.7	2183.9
47.5°	1877.3	1904.2	1906.4	1922.0	1919.8	1919.8	1926.5
50°	1658.1	1675.9	1680.4	1691.6	1682.7	1678.2	1680.4
52.5°	1454.4	1472.3	1467.8	1472.3	1461.2	1456.7	1458.9
55°	1246.3	1255.2	1255.2	1255.2	1241.9	1241.9	1241.9
57.5°	1033.7	1036.0	1031.5	1033.7	1031.5	1018.1	1015.9
60°	839.1	839.1	836.8	839.1	832.4	825.7	825.7
62.5°	655.6	660.1	669.0	660.1	655.6	660.1	653.4
65°	490.1	499.0	496.7	501.2	499.0	499.0	494.5
67.5°	369.2	371.4	373.6	376.0	376.0	376.0	376.0
70°	270.8	277.5	275.2	275.2	275.2	275.2	288.6
72.5°	181.3	190.2	188.0	192.4	192.4	196.9	192.4
75°	123.0	132.0	127.6	134.3	132.0	127.6	138.7
77.5°	82.8	87.3	89.5	91.7	89.5	87.3	89.5
80°	58.2	62.6	60.4	62.6	62.6	62.6	64.9
82.5°	35.8	42.6	40.2	42.6	40.2	42.6	42.6
85°	24.6	26.9	22.4	26.9	24.6	24.6	29.1
87.5°	15.7	13.4	13.4	15.7	13.4	15.7	13.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)