

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: P248652

Luminaire Tested: **LD8B80D010 ER8B80827 8LBSW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248652
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 ER8B80827 8LBSW0WMH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 2700 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7784.0 lumens
Efficiency: N/A
Efficacy: 104.6 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

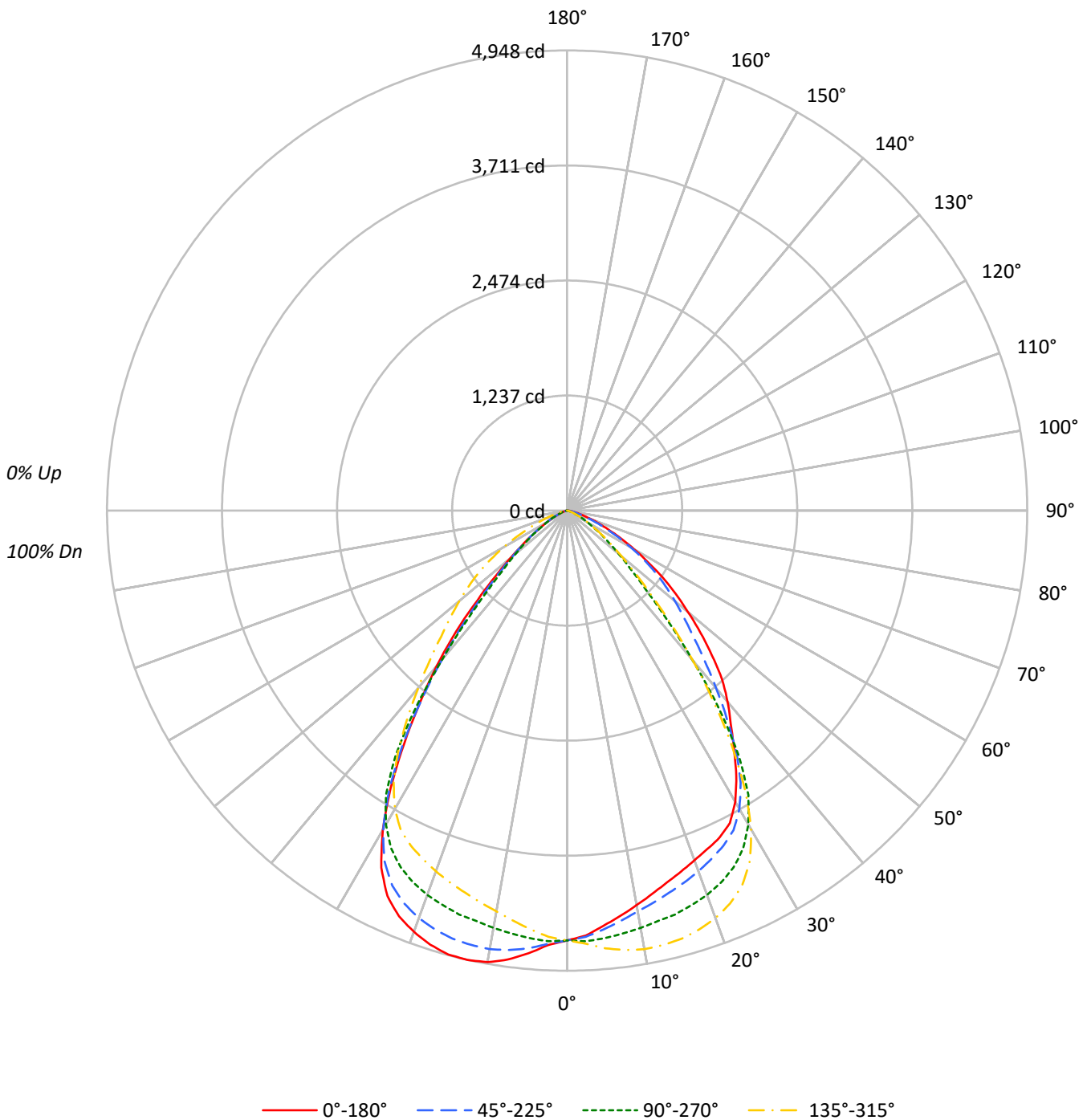
Input Watts (W): 74.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	142498	142498	142498	142498
5°	138712	142832	147933	142832
10°	134877	142645	154374	142645
15°	132182	143492	157753	143492
20°	131281	144312	158160	144312
25°	131973	144024	155616	144024
30°	128708	138752	141245	138752
35°	117728	121041	114841	121041
40°	108086	84195	87923	84195
45°	96040	51363	59435	51363
50°	81290	34310	38105	34310
55°	67325	23413	24746	23413
60°	51349	15585	15720	15585
65°	36380	9712	8894	9712
70°	26245	6510	5905	6510
75°	16668	3229	2693	3229
80°	11631	2415	1989	2415
85°	10367	0	778	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	439.8	5.7
10°-20°	1273.7	16.4
20°-30°	1928.7	24.8
30°-40°	1933.0	24.8
40°-50°	1213.8	15.6
50°-60°	646.8	8.3
60°-70°	266.0	3.4
70°-80°	70.3	0.9
80°-90°	11.9	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°	3642.2	46.8
0°-40°	5575.2	71.6
0°-60°	7435.8	95.5
0°-90°	7784.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7784.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4621	4621	4621	4621	4621	
5°	4481	4614	4779	4614	4481	423
15°	4140	4495	4942	4495	4140	1171
25°	3879	4233	4574	4233	3879	1779
35°	3127	3215	3051	3215	3127	1959
45°	2202	1178	1363	1178	2202	1694
55°	1252	436	460	436	1252	1116
65°	499	133	122	133	499	517
75°	140	27	23	27	140	158
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°	4621.1	4621.1	4621.1	4621.1	4621.1	4621.1	4621.1	4621.1	4621.1	4621.1	4621.1
2.5°	4573.7	4569.2	4567.0	4571.5	4573.7	4582.8	4580.5	4585.0	4585.0	4587.3	4591.8
5°	4481.2	4478.9	4481.2	4481.2	4490.3	4499.3	4497.0	4503.8	4508.3	4519.6	4524.1
7.5°	4395.5	4395.5	4393.2	4402.2	4406.8	4420.3	4418.0	4429.3	4436.1	4447.3	4463.1
10°	4307.5	4307.5	4309.7	4316.5	4318.8	4339.1	4339.1	4354.8	4363.8	4375.2	4395.5
12.5°	4221.7	4221.7	4235.3	4230.8	4239.8	4255.6	4262.3	4278.1	4291.7	4314.3	4334.6
15°	4140.5	4140.5	4145.0	4156.3	4163.1	4183.4	4194.6	4212.7	4228.5	4251.1	4280.4
17.5°	4070.5	4068.3	4070.5	4084.1	4097.7	4115.7	4124.7	4147.3	4163.1	4192.4	4219.5
20°	4000.6	4005.2	4005.2	4016.4	4025.4	4048.0	4057.0	4081.9	4099.9	4126.9	4158.6
22.5°	3939.7	3937.5	3937.5	3953.2	3960.0	3980.3	3989.3	4011.9	4032.2	4054.8	4084.1
25°	3878.8	3874.2	3883.3	3885.5	3890.0	3912.6	3919.3	3935.1	3955.5	3975.8	4005.2
27.5°	3788.5	3784.0	3786.3	3795.3	3802.0	3820.1	3824.6	3840.4	3856.2	3874.2	3899.1
30°	3614.7	3610.3	3608.0	3623.8	3630.6	3644.1	3650.8	3678.0	3682.4	3702.8	3720.8
32.5°	3384.6	3382.3	3386.9	3400.4	3407.1	3425.2	3434.3	3450.0	3461.3	3472.6	3490.6
35°	3127.4	3122.8	3127.4	3141.0	3141.0	3156.7	3163.5	3170.2	3168.0	3170.2	3165.8
37.5°	2888.2	2885.9	2888.2	2894.9	2888.2	2894.9	2888.2	2874.7	2849.9	2822.8	2795.6
40°	2685.1	2687.4	2673.9	2682.9	2658.0	2653.5	2628.7	2594.8	2545.3	2491.1	2414.4
42.5°	2468.5	2461.8	2452.7	2457.2	2437.0	2421.1	2380.5	2337.7	2274.4	2184.2	2091.6
45°	2202.3	2200.0	2195.5	2193.3	2179.7	2163.9	2130.0	2080.4	2010.5	1918.0	1807.4
47.5°	1942.8	1936.0	1936.0	1938.2	1922.4	1920.2	1893.1	1850.3	1789.3	1699.1	1584.0
50°	1694.5	1692.3	1696.8	1705.8	1694.5	1690.1	1672.0	1642.7	1588.5	1511.8	1403.4
52.5°	1471.1	1468.9	1473.5	1484.7	1480.2	1484.7	1466.7	1444.1	1408.0	1333.5	1238.8
55°	1252.3	1252.3	1252.3	1265.8	1265.8	1265.8	1256.8	1243.3	1209.4	1155.3	1067.3
57.5°	1024.4	1026.6	1040.2	1042.4	1040.2	1044.8	1042.4	1028.9	1006.4	968.0	900.3
60°	832.6	832.6	839.4	846.2	843.9	846.2	846.2	839.4	816.8	785.3	731.1
62.5°	658.9	665.6	661.1	665.6	674.6	665.6	661.1	656.6	640.8	620.5	575.4
65°	498.6	503.2	503.2	505.4	500.9	503.2	494.2	487.4	478.4	455.8	426.5
67.5°	379.1	379.1	379.1	379.1	376.8	374.6	372.3	365.6	349.8	340.8	309.1
70°	291.1	277.5	277.5	277.5	277.5	279.8	273.1	264.0	259.5	243.7	221.1
72.5°	194.0	198.6	194.0	194.0	189.6	191.8	182.8	178.2	173.8	164.8	151.2
75°	139.9	128.6	133.1	135.4	128.6	133.1	124.1	115.1	115.1	108.3	101.5
77.5°	90.3	88.0	90.3	92.5	90.3	88.0	83.5	78.9	78.9	76.7	69.9
80°	65.5	63.2	63.2	63.2	60.9	63.2	58.7	58.7	54.1	51.9	47.4
82.5°	42.9	42.9	40.6	42.9	40.6	42.9	36.1	36.1	36.1	33.8	29.3
85°	29.3	24.8	24.8	27.1	22.6	27.1	24.8	22.6	20.3	20.3	18.0
87.5°	13.6	15.8	13.6	15.8	13.6	13.6	15.8	13.6	13.6	9.0	9.0
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°	4621.1	4621.1	4621.1	4621.1	4621.1	4621.1	4621.1	4621.1	4621.1	4621.1	4621.1
2.5°	4598.5	4600.8	4600.8	4609.9	4614.3	4616.6	4616.6	4634.7	4627.9	4632.4	4636.9
5°	4533.2	4546.6	4551.2	4551.2	4576.0	4585.0	4594.0	4614.3	4616.6	4630.1	4645.9
7.5°	4469.9	4485.7	4494.8	4515.1	4530.8	4546.6	4573.7	4587.3	4600.8	4618.9	4639.1
10°	4409.0	4427.1	4445.1	4460.9	4485.7	4506.0	4524.1	4555.6	4571.5	4596.3	4623.3
12.5°	4350.4	4375.2	4391.0	4418.0	4445.1	4463.1	4490.3	4519.6	4544.4	4569.2	4600.8
15°	4298.5	4327.8	4345.8	4375.2	4404.5	4429.3	4458.7	4494.8	4512.8	4542.2	4571.5
17.5°	4242.0	4273.7	4296.2	4323.3	4359.4	4386.4	4411.3	4447.3	4469.9	4501.5	4535.4
20°	4183.4	4215.0	4242.0	4269.1	4305.2	4332.3	4361.6	4397.7	4422.5	4454.1	4481.2
22.5°	4113.5	4142.8	4172.1	4203.6	4239.8	4262.3	4296.2	4327.8	4354.8	4384.2	4411.3
25°	4023.2	4059.3	4081.9	4111.1	4140.5	4165.3	4201.4	4233.0	4255.6	4282.7	4307.5
27.5°	3917.1	3944.2	3962.3	3987.1	4016.4	4039.0	4066.0	4097.7	4120.2	4145.0	4163.1
30°	3736.6	3761.5	3777.2	3795.3	3824.6	3845.0	3867.5	3896.8	3912.6	3930.7	3946.5
32.5°	3499.6	3520.0	3529.0	3542.6	3562.9	3583.1	3601.2	3626.0	3632.8	3644.1	3644.1
35°	3156.7	3161.2	3159.0	3163.5	3172.5	3183.8	3199.6	3215.4	3224.4	3224.4	3217.7
37.5°	2755.1	2728.0	2698.7	2676.1	2669.3	2664.8	2673.9	2680.6	2689.7	2694.1	2682.9
40°	2337.7	2276.8	2211.3	2152.6	2112.0	2094.0	2087.2	2091.6	2091.6	2107.4	2107.4
42.5°	1978.9	1884.1	1787.1	1699.1	1640.4	1595.3	1575.0	1575.0	1577.2	1588.5	1595.3
45°	1681.0	1561.4	1448.6	1351.6	1270.4	1211.7	1184.6	1177.8	1175.6	1180.1	1195.9
47.5°	1453.1	1329.0	1211.7	1092.1	1006.4	947.7	922.9	913.8	904.8	913.8	916.1
50°	1274.9	1146.3	1022.2	902.6	812.3	760.4	728.8	715.2	713.0	713.0	717.6
52.5°	1112.4	992.8	868.8	746.9	652.1	602.5	573.1	566.4	557.3	566.4	566.4
55°	958.9	839.4	717.6	602.5	523.4	471.6	444.5	435.5	430.9	437.7	437.7
57.5°	792.0	690.4	577.7	473.9	394.9	358.8	338.4	327.2	324.9	329.4	324.9
60°	649.9	564.1	467.1	372.3	311.4	273.1	257.3	252.7	248.2	252.7	252.7
62.5°	514.4	442.3	363.2	291.1	239.2	212.1	194.0	194.0	191.8	191.8	194.0
65°	381.3	324.9	268.5	207.6	167.0	146.7	133.1	133.1	130.9	133.1	130.9
67.5°	277.5	239.2	194.0	151.2	119.6	108.3	99.3	92.5	97.1	92.5	90.3
70°	203.1	171.4	139.9	115.1	92.5	81.3	74.5	72.2	67.7	67.7	67.7
72.5°	135.4	115.1	94.7	74.5	60.9	49.6	47.4	42.9	38.4	40.6	45.1
75°	90.3	76.7	67.7	54.1	40.6	40.6	27.1	27.1	22.6	27.1	20.3
77.5°	63.2	51.9	40.6	33.8	27.1	24.8	18.0	18.0	15.8	15.8	15.8
80°	45.1	38.4	29.3	24.8	18.0	18.0	15.8	13.6	11.2	11.2	13.6
82.5°	27.1	20.3	20.3	18.0	11.2	9.0	6.8	9.0	4.6	4.6	4.6
85°	15.8	13.6	11.2	6.8	4.6	4.6	2.2	0.0	2.2	2.2	0.0
87.5°	9.0	4.6	4.6	2.2	0.0	2.2	2.2	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°	4621.1	4621.1	4621.1	4621.1	4621.1	4621.1	4621.1	4621.1	4621.1	4621.1	4621.1
2.5°	4648.2	4645.9	4650.5	4650.5	4664.0	4661.7	4668.5	4668.5	4664.0	4666.3	4675.3
5°	4664.0	4670.8	4684.3	4695.6	4715.8	4724.9	4736.2	4747.5	4749.7	4756.5	4763.3
7.5°	4664.0	4686.6	4702.4	4722.6	4749.7	4765.5	4790.3	4810.7	4819.7	4830.9	4844.5
10°	4654.9	4677.5	4706.8	4729.4	4763.3	4788.1	4812.9	4844.5	4858.0	4876.1	4894.2
12.5°	4636.9	4661.7	4693.3	4722.6	4761.0	4783.6	4815.1	4844.5	4864.8	4889.6	4910.0
15°	4609.9	4639.1	4668.5	4697.8	4738.4	4765.5	4794.9	4828.7	4849.0	4876.1	4894.2
17.5°	4567.0	4598.5	4625.7	4652.7	4691.0	4722.6	4749.7	4781.3	4801.7	4824.2	4849.0
20°	4515.1	4544.4	4573.7	4596.3	4634.7	4661.7	4691.0	4720.4	4736.2	4740.7	4779.1
22.5°	4449.7	4469.9	4492.5	4528.6	4551.2	4576.0	4603.1	4630.1	4645.9	4670.8	4684.3
25°	4341.3	4361.6	4386.4	4402.2	4429.3	4449.7	4476.7	4506.0	4515.1	4533.2	4546.6
27.5°	4190.2	4201.4	4212.7	4226.2	4242.0	4253.3	4269.1	4282.7	4291.7	4300.7	4309.7
30°	3950.9	3950.9	3950.9	3941.9	3948.7	3955.5	3957.7	3955.5	3955.5	3953.2	3953.2
32.5°	3635.1	3617.0	3596.7	3578.7	3571.9	3562.9	3558.3	3551.6	3540.3	3533.5	3535.8
35°	3208.6	3168.0	3143.2	3120.6	3102.6	3089.0	3082.3	3075.5	3073.3	3064.2	3055.1
37.5°	2676.1	2646.8	2628.7	2615.2	2599.4	2585.8	2588.1	2590.4	2597.1	2592.6	2594.8
40°	2112.0	2105.2	2112.0	2096.2	2091.6	2096.2	2107.4	2123.3	2132.3	2141.3	2157.1
42.5°	1606.6	1617.8	1633.7	1633.7	1640.4	1649.5	1662.9	1687.8	1701.3	1717.1	1735.2
45°	1209.4	1223.0	1243.3	1250.0	1254.6	1265.8	1281.7	1301.9	1310.9	1324.5	1340.3
47.5°	931.9	940.9	952.2	963.5	974.7	979.3	995.1	995.1	1006.4	1015.4	1019.9
50°	726.6	735.6	744.6	751.4	755.9	762.7	767.2	773.9	776.2	780.7	782.9
52.5°	568.6	579.9	579.9	584.4	591.2	597.9	595.7	597.9	600.2	600.2	606.9
55°	444.5	444.5	451.3	451.3	455.8	453.5	455.8	455.8	455.8	455.8	458.1
57.5°	331.7	334.0	340.8	336.2	334.0	338.4	334.0	338.4	336.2	340.8	334.0
60°	254.9	254.9	257.3	257.3	259.5	259.5	259.5	257.3	257.3	254.9	254.9
62.5°	191.8	194.0	196.3	194.0	194.0	194.0	191.8	191.8	189.6	187.2	187.2
65°	128.6	126.4	130.9	126.4	128.6	128.6	126.4	128.6	121.9	124.1	121.9
67.5°	92.5	90.3	88.0	90.3	88.0	85.7	85.7	88.0	90.3	83.5	83.5
70°	60.9	63.2	60.9	63.2	65.5	65.5	63.2	60.9	63.2	58.7	60.9
72.5°	38.4	38.4	38.4	38.4	38.4	40.6	40.6	40.6	36.1	36.1	33.8
75°	18.0	24.8	20.3	18.0	24.8	24.8	22.6	22.6	20.3	20.3	20.3
77.5°	18.0	13.6	13.6	13.6	13.6	13.6	13.6	13.6	11.2	13.6	11.2
80°	9.0	9.0	9.0	6.8	9.0	9.0	11.2	9.0	9.0	6.8	11.2
82.5°	4.6	4.6	4.6	0.0	2.2	4.6	4.6	2.2	4.6	4.6	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: P248652

CATALOG NUMBER: LD8B80D010 ER8B80827 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	4621.1	4621.1	4621.1	4621.1	4621.1	4621.1	4621.1	4621.1	4621.1	4621.1	4621.1
2.5°	4673.0	4670.8	4673.0	4675.3	4673.0	4670.8	4673.0	4675.3	4666.3	4664.0	4668.5
5°	4772.3	4772.3	4776.8	4779.1	4776.8	4772.3	4772.3	4763.3	4756.5	4749.7	4747.5
7.5°	4858.0	4862.6	4867.0	4869.3	4867.0	4862.6	4858.0	4844.5	4830.9	4819.7	4810.7
10°	4910.0	4916.7	4925.7	4930.2	4925.7	4916.7	4910.0	4894.2	4876.1	4858.0	4844.5
12.5°	4932.5	4939.3	4950.5	4948.3	4950.5	4939.3	4932.5	4910.0	4889.6	4864.8	4844.5
15°	4916.7	4925.7	4937.0	4941.5	4937.0	4925.7	4916.7	4894.2	4876.1	4849.0	4828.7
17.5°	4867.0	4880.6	4887.4	4894.2	4887.4	4880.6	4867.0	4849.0	4824.2	4801.7	4781.3
20°	4799.3	4808.4	4817.5	4819.7	4817.5	4808.4	4799.3	4779.1	4740.7	4736.2	4720.4
22.5°	4702.4	4709.2	4729.4	4722.6	4729.4	4709.2	4702.4	4684.3	4670.8	4645.9	4630.1
25°	4562.4	4569.2	4571.5	4573.7	4571.5	4569.2	4562.4	4546.6	4533.2	4515.1	4506.0
27.5°	4321.0	4321.0	4325.5	4327.8	4325.5	4321.0	4321.0	4309.7	4300.7	4291.7	4282.7
30°	3955.5	3955.5	3955.5	3966.8	3955.5	3955.5	3955.5	3953.2	3953.2	3955.5	3955.5
32.5°	3533.5	3529.0	3524.5	3529.0	3524.5	3529.0	3533.5	3535.8	3533.5	3540.3	3551.6
35°	3055.1	3052.9	3059.7	3050.7	3059.7	3052.9	3055.1	3055.1	3064.2	3073.3	3075.5
37.5°	2597.1	2592.6	2601.6	2592.6	2601.6	2592.6	2597.1	2594.8	2592.6	2597.1	2590.4
40°	2161.7	2166.1	2166.1	2184.2	2166.1	2166.1	2161.7	2157.1	2141.3	2132.3	2123.3
42.5°	1744.2	1757.8	1753.2	1766.8	1753.2	1757.8	1744.2	1735.2	1717.1	1701.3	1687.8
45°	1349.3	1358.4	1358.4	1362.9	1358.4	1358.4	1349.3	1340.3	1324.5	1310.9	1301.9
47.5°	1035.7	1035.7	1035.7	1038.0	1035.7	1035.7	1035.7	1019.9	1015.4	1006.4	995.1
50°	787.5	789.7	792.0	794.3	792.0	789.7	787.5	782.9	780.7	776.2	773.9
52.5°	604.7	606.9	602.5	606.9	602.5	606.9	604.7	606.9	600.2	600.2	597.9
55°	458.1	455.8	458.1	460.3	458.1	455.8	458.1	458.1	455.8	455.8	455.8
57.5°	336.2	331.7	331.7	331.7	331.7	331.7	336.2	334.0	340.8	336.2	338.4
60°	250.5	252.7	252.7	254.9	252.7	252.7	250.5	254.9	254.9	257.3	257.3
62.5°	185.0	191.8	187.2	191.8	187.2	191.8	185.0	187.2	187.2	189.6	191.8
65°	119.6	119.6	119.6	121.9	119.6	119.6	119.6	121.9	124.1	121.9	128.6
67.5°	81.3	83.5	88.0	85.7	88.0	83.5	81.3	83.5	83.5	90.3	88.0
70°	65.5	58.7	58.7	65.5	58.7	58.7	65.5	60.9	58.7	63.2	60.9
72.5°	38.4	33.8	38.4	38.4	38.4	33.8	38.4	33.8	36.1	36.1	40.6
75°	20.3	18.0	15.8	22.6	15.8	18.0	20.3	20.3	20.3	20.3	22.6
77.5°	13.6	11.2	15.8	15.8	15.8	11.2	13.6	11.2	13.6	11.2	13.6
80°	6.8	9.0	6.8	11.2	6.8	9.0	6.8	11.2	6.8	9.0	9.0
82.5°	2.2	4.6	4.6	4.6	4.6	4.6	2.2	2.2	4.6	4.6	2.2
85°	0.0	4.6	2.2	2.2	2.2	4.6	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: P248652

CATALOG NUMBER: LD8B80D010 ER8B80827 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	4621.1	4621.1	4621.1	4621.1	4621.1	4621.1	4621.1	4621.1	4621.1	4621.1	4621.1
2.5°	4668.5	4661.7	4664.0	4650.5	4650.5	4645.9	4648.2	4636.9	4632.4	4627.9	4634.7
5°	4736.2	4724.9	4715.8	4695.6	4684.3	4670.8	4664.0	4645.9	4630.1	4616.6	4614.3
7.5°	4790.3	4765.5	4749.7	4722.6	4702.4	4686.6	4664.0	4639.1	4618.9	4600.8	4587.3
10°	4812.9	4788.1	4763.3	4729.4	4706.8	4677.5	4654.9	4623.3	4596.3	4571.5	4555.6
12.5°	4815.1	4783.6	4761.0	4722.6	4693.3	4661.7	4636.9	4600.8	4569.2	4544.4	4519.6
15°	4794.9	4765.5	4738.4	4697.8	4668.5	4639.1	4609.9	4571.5	4542.2	4512.8	4494.8
17.5°	4749.7	4722.6	4691.0	4652.7	4625.7	4598.5	4567.0	4535.4	4501.5	4469.9	4447.3
20°	4691.0	4661.7	4634.7	4596.3	4573.7	4544.4	4515.1	4481.2	4454.1	4422.5	4397.7
22.5°	4603.1	4576.0	4551.2	4528.6	4492.5	4469.9	4449.7	4411.3	4384.2	4354.8	4327.8
25°	4476.7	4449.7	4429.3	4402.2	4386.4	4361.6	4341.3	4307.5	4282.7	4255.6	4233.0
27.5°	4269.1	4253.3	4242.0	4226.2	4212.7	4201.4	4190.2	4163.1	4145.0	4120.2	4097.7
30°	3957.7	3955.5	3948.7	3941.9	3950.9	3950.9	3950.9	3946.5	3930.7	3912.6	3896.8
32.5°	3558.3	3562.9	3571.9	3578.7	3596.7	3617.0	3635.1	3644.1	3644.1	3632.8	3626.0
35°	3082.3	3089.0	3102.6	3120.6	3143.2	3168.0	3208.6	3217.7	3224.4	3224.4	3215.4
37.5°	2588.1	2585.8	2599.4	2615.2	2628.7	2646.8	2676.1	2682.9	2694.1	2689.7	2680.6
40°	2107.4	2096.2	2091.6	2096.2	2112.0	2105.2	2112.0	2107.4	2107.4	2091.6	2091.6
42.5°	1662.9	1649.5	1640.4	1633.7	1633.7	1617.8	1606.6	1595.3	1588.5	1577.2	1575.0
45°	1281.7	1265.8	1254.6	1250.0	1243.3	1223.0	1209.4	1195.9	1180.1	1175.6	1177.8
47.5°	995.1	979.3	974.7	963.5	952.2	940.9	931.9	916.1	913.8	904.8	913.8
50°	767.2	762.7	755.9	751.4	744.6	735.6	726.6	717.6	713.0	713.0	715.2
52.5°	595.7	597.9	591.2	584.4	579.9	579.9	568.6	566.4	566.4	557.3	566.4
55°	455.8	453.5	455.8	451.3	451.3	444.5	444.5	437.7	437.7	430.9	435.5
57.5°	334.0	338.4	334.0	336.2	340.8	334.0	331.7	324.9	329.4	324.9	327.2
60°	259.5	259.5	259.5	257.3	257.3	254.9	254.9	252.7	252.7	248.2	252.7
62.5°	191.8	194.0	194.0	194.0	196.3	194.0	191.8	194.0	191.8	191.8	194.0
65°	126.4	128.6	128.6	126.4	130.9	126.4	128.6	130.9	133.1	130.9	133.1
67.5°	85.7	85.7	88.0	90.3	88.0	90.3	92.5	90.3	92.5	97.1	92.5
70°	63.2	65.5	65.5	63.2	60.9	63.2	60.9	67.7	67.7	67.7	72.2
72.5°	40.6	40.6	38.4	38.4	38.4	38.4	38.4	45.1	40.6	38.4	42.9
75°	22.6	24.8	24.8	18.0	20.3	24.8	18.0	20.3	27.1	22.6	27.1
77.5°	13.6	13.6	13.6	13.6	13.6	13.6	18.0	15.8	15.8	15.8	18.0
80°	11.2	9.0	9.0	6.8	9.0	9.0	9.0	13.6	11.2	11.2	13.6
82.5°	4.6	4.6	2.2	0.0	4.6	4.6	4.6	4.6	4.6	4.6	9.0
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	4.6	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: P248652

CATALOG NUMBER: LD8B80D010 ER8B80827 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	4621.1	4621.1	4621.1	4621.1	4621.1	4621.1	4621.1	4621.1	4621.1	4621.1	4621.1
2.5°	4616.6	4616.6	4614.3	4609.9	4600.8	4600.8	4598.5	4591.8	4587.3	4585.0	4585.0
5°	4594.0	4585.0	4576.0	4551.2	4551.2	4546.6	4533.2	4524.1	4519.6	4508.3	4503.8
7.5°	4573.7	4546.6	4530.8	4515.1	4494.8	4485.7	4469.9	4463.1	4447.3	4436.1	4429.3
10°	4524.1	4506.0	4485.7	4460.9	4445.1	4427.1	4409.0	4395.5	4375.2	4363.8	4354.8
12.5°	4490.3	4463.1	4445.1	4418.0	4391.0	4375.2	4350.4	4334.6	4314.3	4291.7	4278.1
15°	4458.7	4429.3	4404.5	4375.2	4345.8	4327.8	4298.5	4280.4	4251.1	4228.5	4212.7
17.5°	4411.3	4386.4	4359.4	4323.3	4296.2	4273.7	4242.0	4219.5	4192.4	4163.1	4147.3
20°	4361.6	4332.3	4305.2	4269.1	4242.0	4215.0	4183.4	4158.6	4126.9	4099.9	4081.9
22.5°	4296.2	4262.3	4239.8	4203.6	4172.1	4142.8	4113.5	4084.1	4054.8	4032.2	4011.9
25°	4201.4	4165.3	4140.5	4111.1	4081.9	4059.3	4023.2	4005.2	3975.8	3955.5	3935.1
27.5°	4066.0	4039.0	4016.4	3987.1	3962.3	3944.2	3917.1	3899.1	3874.2	3856.2	3840.4
30°	3867.5	3845.0	3824.6	3795.3	3777.2	3761.5	3736.6	3720.8	3702.8	3682.4	3678.0
32.5°	3601.2	3583.1	3562.9	3542.6	3529.0	3520.0	3499.6	3490.6	3472.6	3461.3	3450.0
35°	3199.6	3183.8	3172.5	3163.5	3159.0	3161.2	3156.7	3165.8	3170.2	3168.0	3170.2
37.5°	2673.9	2664.8	2669.3	2676.1	2698.7	2728.0	2755.1	2795.6	2822.8	2849.9	2874.7
40°	2087.2	2094.0	2112.0	2152.6	2211.3	2276.8	2337.7	2414.4	2491.1	2545.3	2594.8
42.5°	1575.0	1595.3	1640.4	1699.1	1787.1	1884.1	1978.9	2091.6	2184.2	2274.4	2337.7
45°	1184.6	1211.7	1270.4	1351.6	1448.6	1561.4	1681.0	1807.4	1918.0	2010.5	2080.4
47.5°	922.9	947.7	1006.4	1092.1	1211.7	1329.0	1453.1	1584.0	1699.1	1789.3	1850.3
50°	728.8	760.4	812.3	902.6	1022.2	1146.3	1274.9	1403.4	1511.8	1588.5	1642.7
52.5°	573.1	602.5	652.1	746.9	868.8	992.8	1112.4	1238.8	1333.5	1408.0	1444.1
55°	444.5	471.6	523.4	602.5	717.6	839.4	958.9	1067.3	1155.3	1209.4	1243.3
57.5°	338.4	358.8	394.9	473.9	577.7	690.4	792.0	900.3	968.0	1006.4	1028.9
60°	257.3	273.1	311.4	372.3	467.1	564.1	649.9	731.1	785.3	816.8	839.4
62.5°	194.0	212.1	239.2	291.1	363.2	442.3	514.4	575.4	620.5	640.8	656.6
65°	133.1	146.7	167.0	207.6	268.5	324.9	381.3	426.5	455.8	478.4	487.4
67.5°	99.3	108.3	119.6	151.2	194.0	239.2	277.5	309.1	340.8	349.8	365.6
70°	74.5	81.3	92.5	115.1	139.9	171.4	203.1	221.1	243.7	259.5	264.0
72.5°	47.4	49.6	60.9	74.5	94.7	115.1	135.4	151.2	164.8	173.8	178.2
75°	27.1	40.6	40.6	54.1	67.7	76.7	90.3	101.5	108.3	115.1	115.1
77.5°	18.0	24.8	27.1	33.8	40.6	51.9	63.2	69.9	76.7	78.9	78.9
80°	15.8	18.0	18.0	24.8	29.3	38.4	45.1	47.4	51.9	54.1	58.7
82.5°	6.8	9.0	11.2	18.0	20.3	20.3	27.1	29.3	33.8	36.1	36.1
85°	2.2	4.6	4.6	6.8	11.2	13.6	15.8	18.0	20.3	20.3	22.6
87.5°	2.2	2.2	0.0	2.2	4.6	4.6	9.0	9.0	9.0	13.6	13.6
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: P248652

CATALOG NUMBER: LD8B80D010 ER8B80827 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	4621.1	4621.1	4621.1	4621.1	4621.1	4621.1	4621.1
2.5°	4580.5	4582.8	4573.7	4571.5	4567.0	4569.2	4573.7
5°	4497.0	4499.3	4490.3	4481.2	4481.2	4478.9	4481.2
7.5°	4418.0	4420.3	4406.8	4402.2	4393.2	4395.5	4395.5
10°	4339.1	4339.1	4318.8	4316.5	4309.7	4307.5	4307.5
12.5°	4262.3	4255.6	4239.8	4230.8	4235.3	4221.7	4221.7
15°	4194.6	4183.4	4163.1	4156.3	4145.0	4140.5	4140.5
17.5°	4124.7	4115.7	4097.7	4084.1	4070.5	4068.3	4070.5
20°	4057.0	4048.0	4025.4	4016.4	4005.2	4005.2	4000.6
22.5°	3989.3	3980.3	3960.0	3953.2	3937.5	3937.5	3939.7
25°	3919.3	3912.6	3890.0	3885.5	3883.3	3874.2	3878.8
27.5°	3824.6	3820.1	3802.0	3795.3	3786.3	3784.0	3788.5
30°	3650.8	3644.1	3630.6	3623.8	3608.0	3610.3	3614.7
32.5°	3434.3	3425.2	3407.1	3400.4	3386.9	3382.3	3384.6
35°	3163.5	3156.7	3141.0	3141.0	3127.4	3122.8	3127.4
37.5°	2888.2	2894.9	2888.2	2894.9	2888.2	2885.9	2888.2
40°	2628.7	2653.5	2658.0	2682.9	2673.9	2687.4	2685.1
42.5°	2380.5	2421.1	2437.0	2457.2	2452.7	2461.8	2468.5
45°	2130.0	2163.9	2179.7	2193.3	2195.5	2200.0	2202.3
47.5°	1893.1	1920.2	1922.4	1938.2	1936.0	1936.0	1942.8
50°	1672.0	1690.1	1694.5	1705.8	1696.8	1692.3	1694.5
52.5°	1466.7	1484.7	1480.2	1484.7	1473.5	1468.9	1471.1
55°	1256.8	1265.8	1265.8	1265.8	1252.3	1252.3	1252.3
57.5°	1042.4	1044.8	1040.2	1042.4	1040.2	1026.6	1024.4
60°	846.2	846.2	843.9	846.2	839.4	832.6	832.6
62.5°	661.1	665.6	674.6	665.6	661.1	665.6	658.9
65°	494.2	503.2	500.9	505.4	503.2	503.2	498.6
67.5°	372.3	374.6	376.8	379.1	379.1	379.1	379.1
70°	273.1	279.8	277.5	277.5	277.5	277.5	291.1
72.5°	182.8	191.8	189.6	194.0	194.0	198.6	194.0
75°	124.1	133.1	128.6	135.4	133.1	128.6	139.9
77.5°	83.5	88.0	90.3	92.5	90.3	88.0	90.3
80°	58.7	63.2	60.9	63.2	63.2	63.2	65.5
82.5°	36.1	42.9	40.6	42.9	40.6	42.9	42.9
85°	24.8	27.1	22.6	27.1	24.8	24.8	29.3
87.5°	15.8	13.6	13.6	15.8	13.6	15.8	13.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)