

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: P248870

Luminaire Tested: **LD8B100D010 ER8B100827 8LBSW0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248870
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 ER8B100827 8LBSW0B
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 2700 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7797.0 lumens
Efficiency: N/A
Efficacy: 73.3 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

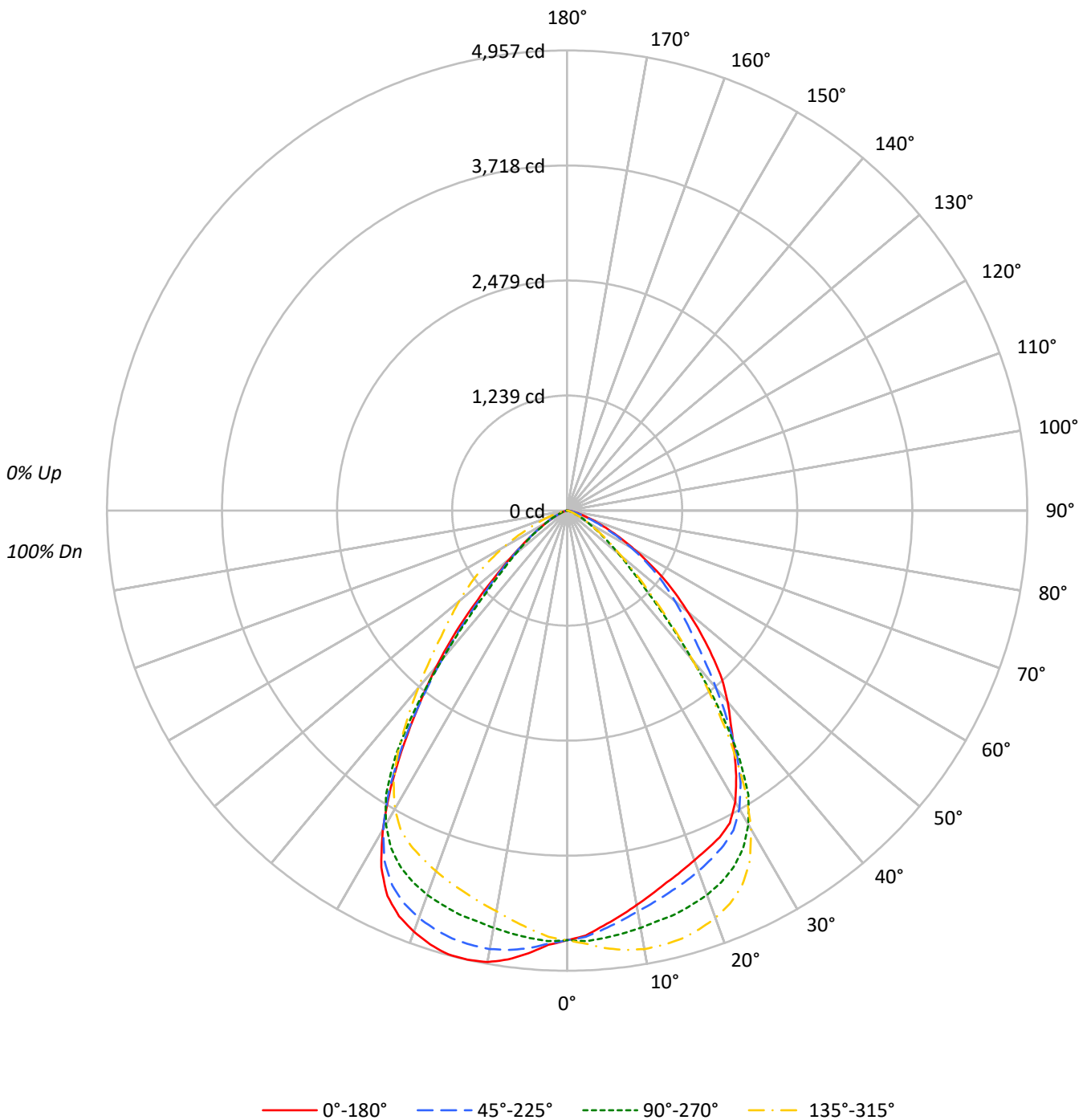
Input Watts (W): 106.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	142735	142735	142735	142735
5°	138944	143070	148180	143070
10°	135102	142883	154631	142883
15°	132402	143732	158018	143732
20°	131501	144555	158423	144555
25°	132190	144266	155878	144266
30°	128925	138984	141480	138984
35°	117924	121241	115033	121241
40°	108267	84336	88072	84336
45°	96197	51450	59531	51450
50°	81424	34368	38167	34368
55°	67438	23451	24789	23451
60°	51435	15609	15751	15609
65°	36446	9726	8909	9726
70°	26290	6519	5914	6519
75°	16692	3241	2693	3241
80°	11649	2415	2007	2415
85°	10402	0	778	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	440.6	5.7
10°-20°	1275.8	16.4
20°-30°	1931.9	24.8
30°-40°	1936.2	24.8
40°-50°	1215.8	15.6
50°-60°	647.9	8.3
60°-70°	266.4	3.4
70°-80°	70.4	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°	3648.3	46.8
0°-40°	5584.5	71.6
0°-60°	7448.3	95.5
0°-90°	7797.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7797.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4629	4629	4629	4629	4629	
5°	4489	4622	4787	4622	4489	423
15°	4147	4502	4950	4502	4147	1173
25°	3885	4240	4581	4240	3885	1782
35°	3133	3221	3056	3221	3133	1963
45°	2206	1180	1365	1180	2206	1697
55°	1254	436	461	436	1254	1118
65°	500	133	122	133	500	518
75°	140	27	23	27	140	159
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°	4628.8	4628.8	4628.8	4628.8	4628.8	4628.8	4628.8	4628.8	4628.8	4628.8	4628.8
2.5°	4581.4	4576.8	4574.6	4579.2	4581.4	4590.4	4588.2	4592.6	4592.6	4595.0	4599.4
5°	4488.7	4486.4	4488.7	4488.7	4497.8	4506.8	4504.5	4511.3	4515.8	4527.1	4531.6
7.5°	4402.9	4402.9	4400.5	4409.6	4414.1	4427.7	4425.4	4436.7	4443.5	4454.8	4470.6
10°	4314.7	4314.7	4316.9	4323.7	4326.0	4346.3	4346.3	4362.1	4371.1	4382.5	4402.9
12.5°	4228.8	4228.8	4242.4	4237.8	4246.8	4262.7	4269.5	4285.3	4298.9	4321.5	4341.8
15°	4147.4	4147.4	4152.0	4163.2	4170.0	4190.4	4201.6	4219.8	4235.6	4258.2	4287.6
17.5°	4077.3	4075.1	4077.3	4090.9	4104.5	4122.6	4131.6	4154.2	4170.0	4199.4	4226.6
20°	4007.3	4011.9	4011.9	4023.1	4032.1	4054.7	4063.8	4088.7	4106.7	4133.8	4165.5
22.5°	3946.3	3944.0	3944.0	3959.8	3966.6	3986.9	3995.9	4018.6	4038.9	4061.5	4090.9
25°	3885.2	3880.7	3889.8	3892.0	3896.5	3919.1	3925.9	3941.7	3962.1	3982.5	4011.9
27.5°	3794.8	3790.3	3792.6	3801.6	3808.4	3826.4	3831.0	3846.8	3862.6	3880.7	3905.6
30°	3620.8	3616.3	3614.1	3629.9	3636.7	3650.1	3656.9	3684.1	3688.6	3708.9	3727.0
32.5°	3390.2	3388.0	3392.5	3406.0	3412.8	3431.0	3440.0	3455.8	3467.1	3478.4	3496.5
35°	3132.6	3128.1	3132.6	3146.2	3146.2	3162.0	3168.8	3175.5	3173.3	3175.5	3171.0
37.5°	2893.1	2890.7	2893.1	2899.8	2893.1	2899.8	2893.1	2879.5	2854.6	2827.5	2800.3
40°	2689.6	2691.8	2678.4	2687.4	2662.4	2658.0	2633.1	2599.2	2549.5	2495.3	2418.4
42.5°	2472.7	2465.9	2456.8	2461.3	2441.0	2425.1	2384.5	2341.6	2278.2	2187.9	2095.1
45°	2205.9	2203.7	2199.2	2196.9	2183.3	2167.5	2133.6	2083.9	2013.8	1921.2	1810.4
47.5°	1946.0	1939.2	1939.2	1941.5	1925.6	1923.4	1896.2	1853.4	1792.3	1701.9	1586.6
50°	1697.3	1695.1	1699.7	1708.7	1697.3	1692.9	1674.8	1645.4	1591.2	1514.4	1405.8
52.5°	1473.6	1471.4	1475.9	1487.2	1482.6	1487.2	1469.1	1446.5	1410.3	1335.7	1240.8
55°	1254.4	1254.4	1254.4	1267.9	1267.9	1267.9	1258.9	1245.4	1211.4	1157.2	1069.1
57.5°	1026.1	1028.4	1041.9	1044.2	1041.9	1046.5	1044.2	1030.6	1008.1	969.7	901.8
60°	834.0	834.0	840.8	847.6	845.3	847.6	847.6	840.8	818.2	786.6	732.3
62.5°	660.0	666.8	662.2	666.8	675.8	666.8	662.2	657.7	641.9	621.5	576.3
65°	499.5	504.0	504.0	506.3	501.7	504.0	495.0	488.2	479.2	456.6	427.2
67.5°	379.8	379.8	379.8	379.8	377.4	375.2	373.0	366.2	350.4	341.3	309.6
70°	291.6	278.0	278.0	278.0	278.0	280.3	273.5	264.5	259.9	244.1	221.5
72.5°	194.3	198.9	194.3	194.3	189.9	192.1	183.1	178.5	174.1	165.0	151.5
75°	140.1	128.8	133.3	135.6	128.8	133.3	124.3	115.3	115.3	108.5	101.7
77.5°	90.4	88.2	90.4	92.7	90.4	88.2	83.6	79.1	79.1	76.8	70.1
80°	65.6	63.3	63.3	63.3	61.0	63.3	58.8	58.8	54.2	52.0	47.4
82.5°	43.0	43.0	40.7	43.0	40.7	43.0	36.2	36.2	36.2	33.9	29.4
85°	29.4	24.8	24.8	27.2	22.6	27.2	24.8	22.6	20.4	20.4	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°	4628.8	4628.8	4628.8	4628.8	4628.8	4628.8	4628.8	4628.8	4628.8	4628.8	4628.8
2.5°	4606.2	4608.5	4608.5	4617.6	4622.0	4624.3	4624.3	4642.4	4635.6	4640.2	4644.6
5°	4540.7	4554.2	4558.8	4558.8	4583.6	4592.6	4601.7	4622.0	4624.3	4637.9	4653.7
7.5°	4477.4	4493.2	4502.3	4522.6	4538.4	4554.2	4581.4	4595.0	4608.5	4626.6	4646.9
10°	4416.4	4434.5	4452.5	4468.4	4493.2	4513.6	4531.6	4563.2	4579.2	4604.0	4631.1
12.5°	4357.6	4382.5	4398.3	4425.4	4452.5	4470.6	4497.8	4527.1	4552.0	4576.8	4608.5
15°	4305.6	4335.0	4353.1	4382.5	4411.9	4436.7	4466.1	4502.3	4520.4	4549.8	4579.2
17.5°	4249.1	4280.8	4303.4	4330.5	4366.7	4393.7	4418.7	4454.8	4477.4	4509.0	4543.0
20°	4190.4	4222.0	4249.1	4276.2	4312.4	4339.5	4368.9	4405.1	4429.9	4461.6	4488.7
22.5°	4120.3	4149.7	4179.0	4210.7	4246.8	4269.5	4303.4	4335.0	4362.1	4391.5	4418.7
25°	4029.9	4066.1	4088.7	4118.0	4147.4	4172.2	4208.4	4240.1	4262.7	4289.8	4314.7
27.5°	3923.7	3950.8	3968.9	3993.7	4023.1	4045.7	4072.8	4104.5	4127.1	4152.0	4170.0
30°	3742.8	3767.7	3783.6	3801.6	3831.0	3851.4	3874.0	3903.3	3919.1	3937.2	3953.1
32.5°	3505.5	3525.9	3534.9	3548.5	3568.8	3589.1	3607.3	3632.1	3638.9	3650.1	3650.1
35°	3162.0	3166.5	3164.3	3168.8	3177.8	3189.1	3204.9	3220.7	3229.7	3229.7	3223.0
37.5°	2759.7	2732.6	2703.2	2680.6	2673.8	2669.2	2678.4	2685.1	2694.2	2698.6	2687.4
40°	2341.6	2280.6	2215.0	2156.2	2115.5	2097.5	2090.7	2095.1	2095.1	2111.0	2111.0
42.5°	1982.2	1887.2	1790.1	1701.9	1643.1	1598.0	1577.6	1577.6	1579.8	1591.2	1598.0
45°	1683.9	1564.0	1451.0	1353.9	1272.5	1213.7	1186.6	1179.8	1177.6	1182.0	1197.9
47.5°	1455.6	1331.3	1213.7	1093.9	1008.1	949.3	924.4	915.3	906.3	915.3	917.7
50°	1277.0	1148.2	1023.9	904.1	813.6	761.6	730.0	716.4	714.2	714.2	718.8
52.5°	1114.2	994.5	870.2	748.2	653.2	603.5	574.1	567.3	558.3	567.3	567.3
55°	960.5	840.8	718.8	603.5	524.3	472.4	445.2	436.2	431.7	438.5	438.5
57.5°	793.4	691.6	578.7	474.6	395.6	359.4	339.0	327.7	325.4	330.0	325.4
60°	650.9	565.1	467.9	373.0	311.9	273.5	257.7	253.1	248.6	253.1	253.1
62.5°	515.3	443.0	363.8	291.6	239.6	212.5	194.3	194.3	192.1	192.1	194.3
65°	382.0	325.4	269.0	207.9	167.3	146.9	133.3	133.3	131.1	133.3	131.1
67.5°	278.0	239.6	194.3	151.5	119.8	108.5	99.4	92.7	97.2	92.7	90.4
70°	203.5	171.7	140.1	115.3	92.7	81.4	74.6	72.3	67.8	67.8	67.8
72.5°	135.6	115.3	94.9	74.6	61.0	49.7	47.4	43.0	38.4	40.7	45.2
75°	90.4	76.8	67.8	54.2	40.7	40.7	27.2	27.2	22.6	27.2	20.4
77.5°	63.3	52.0	40.7	33.9	27.2	24.8	18.0	18.0	15.8	15.8	15.8
80°	45.2	38.4	29.4	24.8	18.0	18.0	15.8	13.6	11.3	11.3	13.6
82.5°	27.2	20.4	20.4	18.0	11.3	9.0	6.8	9.0	4.6	4.6	4.6
85°	15.8	13.6	11.3	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°	4628.8	4628.8	4628.8	4628.8	4628.8	4628.8	4628.8	4628.8	4628.8	4628.8	4628.8
2.5°	4656.0	4653.7	4658.2	4658.2	4671.8	4669.5	4676.3	4676.3	4671.8	4674.0	4683.1
5°	4671.8	4678.6	4692.1	4703.4	4723.7	4732.8	4744.1	4755.4	4757.7	4764.5	4771.3
7.5°	4671.8	4694.4	4710.2	4730.5	4757.7	4773.5	4798.3	4818.7	4827.7	4839.0	4852.6
10°	4662.7	4685.3	4714.7	4737.3	4771.3	4796.1	4820.9	4852.6	4866.2	4884.2	4902.3
12.5°	4644.6	4669.5	4701.1	4730.5	4768.9	4791.5	4823.2	4852.6	4872.9	4897.8	4918.2
15°	4617.6	4646.9	4676.3	4705.7	4746.3	4773.5	4802.9	4836.8	4857.1	4884.2	4902.3
17.5°	4574.6	4606.2	4633.4	4660.5	4698.9	4730.5	4757.7	4789.3	4809.7	4832.3	4857.1
20°	4522.6	4552.0	4581.4	4604.0	4642.4	4669.5	4698.9	4728.3	4744.1	4748.7	4787.1
22.5°	4457.1	4477.4	4500.0	4536.2	4558.8	4583.6	4610.8	4637.9	4653.7	4678.6	4692.1
25°	4348.5	4368.9	4393.7	4409.6	4436.7	4457.1	4484.2	4513.6	4522.6	4540.7	4554.2
27.5°	4197.2	4208.4	4219.8	4233.3	4249.1	4260.4	4276.2	4289.8	4298.9	4307.9	4316.9
30°	3957.5	3957.5	3957.5	3948.5	3955.3	3962.1	3964.3	3962.1	3962.1	3959.8	3959.8
32.5°	3641.1	3623.1	3602.7	3584.7	3577.9	3568.8	3564.3	3557.5	3546.2	3539.4	3541.7
35°	3213.9	3173.3	3148.4	3125.8	3107.8	3094.2	3087.4	3080.6	3078.4	3069.4	3060.2
37.5°	2680.6	2651.2	2633.1	2619.6	2603.7	2590.2	2592.4	2594.7	2601.4	2597.0	2599.2
40°	2115.5	2108.7	2115.5	2099.7	2095.1	2099.7	2111.0	2126.9	2135.9	2144.9	2160.7
42.5°	1609.2	1620.5	1636.4	1636.4	1643.1	1652.2	1665.7	1690.6	1704.1	1720.0	1738.1
45°	1211.4	1225.0	1245.4	1252.1	1256.7	1267.9	1283.8	1304.1	1313.1	1326.7	1342.5
47.5°	933.5	942.5	953.8	965.1	976.4	980.9	996.7	996.7	1008.1	1017.1	1021.6
50°	727.8	736.8	745.8	752.6	757.2	764.0	768.4	775.2	777.5	782.0	784.2
52.5°	569.5	580.9	580.9	585.3	592.1	598.9	596.7	598.9	601.2	601.2	608.0
55°	445.2	445.2	452.0	452.0	456.6	454.3	456.6	456.6	456.6	456.6	458.8
57.5°	332.2	334.5	341.3	336.8	334.5	339.0	334.5	339.0	336.8	341.3	334.5
60°	255.4	255.4	257.7	257.7	259.9	259.9	259.9	257.7	257.7	255.4	255.4
62.5°	192.1	194.3	196.7	194.3	194.3	194.3	192.1	192.1	189.9	187.5	187.5
65°	128.8	126.6	131.1	126.6	128.8	128.8	126.6	128.8	122.1	124.3	122.1
67.5°	92.7	90.4	88.2	90.4	88.2	85.9	85.9	88.2	90.4	83.6	83.6
70°	61.0	63.3	61.0	63.3	65.6	65.6	63.3	61.0	63.3	58.8	61.0
72.5°	38.4	38.4	38.4	38.4	38.4	40.7	40.7	40.7	36.2	36.2	33.9
75°	18.0	24.8	20.4	18.0	24.8	24.8	22.6	22.6	20.4	20.4	20.4
77.5°	18.0	13.6	13.6	13.6	13.6	13.6	13.6	13.6	11.3	13.6	11.3
80°	9.0	9.0	9.0	6.8	9.0	9.0	11.3	9.0	9.0	6.8	11.3
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: P248870

CATALOG NUMBER: LD8B100D010 ER8B100827 8LBSW0B

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	4628.8	4628.8	4628.8	4628.8	4628.8	4628.8	4628.8	4628.8	4628.8	4628.8	4628.8
2.5°	4680.8	4678.6	4680.8	4683.1	4680.8	4678.6	4680.8	4683.1	4674.0	4671.8	4676.3
5°	4780.3	4780.3	4784.8	4787.1	4784.8	4780.3	4780.3	4771.3	4764.5	4757.7	4755.4
7.5°	4866.2	4870.7	4875.2	4877.4	4875.2	4870.7	4866.2	4852.6	4839.0	4827.7	4818.7
10°	4918.2	4924.9	4934.0	4938.4	4934.0	4924.9	4918.2	4902.3	4884.2	4866.2	4852.6
12.5°	4940.8	4947.6	4958.8	4956.6	4958.8	4947.6	4940.8	4918.2	4897.8	4872.9	4852.6
15°	4924.9	4934.0	4945.2	4949.8	4945.2	4934.0	4924.9	4902.3	4884.2	4857.1	4836.8
17.5°	4875.2	4888.8	4895.6	4902.3	4895.6	4888.8	4875.2	4857.1	4832.3	4809.7	4789.3
20°	4807.4	4816.5	4825.5	4827.7	4825.5	4816.5	4807.4	4787.1	4748.7	4744.1	4728.3
22.5°	4710.2	4717.0	4737.3	4730.5	4737.3	4717.0	4710.2	4692.1	4678.6	4653.7	4637.9
25°	4570.0	4576.8	4579.2	4581.4	4579.2	4576.8	4570.0	4554.2	4540.7	4522.6	4513.6
27.5°	4328.3	4328.3	4332.7	4335.0	4332.7	4328.3	4328.3	4316.9	4307.9	4298.9	4289.8
30°	3962.1	3962.1	3962.1	3973.4	3962.1	3962.1	3962.1	3959.8	3959.8	3962.1	3962.1
32.5°	3539.4	3534.9	3530.4	3534.9	3530.4	3534.9	3539.4	3541.7	3539.4	3546.2	3557.5
35°	3060.2	3058.0	3064.8	3055.8	3064.8	3058.0	3060.2	3060.2	3069.4	3078.4	3080.6
37.5°	2601.4	2597.0	2606.0	2597.0	2606.0	2597.0	2601.4	2599.2	2597.0	2601.4	2594.7
40°	2165.3	2169.8	2169.8	2187.9	2169.8	2169.8	2165.3	2160.7	2144.9	2135.9	2126.9
42.5°	1747.1	1760.7	1756.1	1769.7	1756.1	1760.7	1747.1	1738.1	1720.0	1704.1	1690.6
45°	1351.5	1360.7	1360.7	1365.1	1360.7	1360.7	1351.5	1342.5	1326.7	1313.1	1304.1
47.5°	1037.4	1037.4	1037.4	1039.7	1037.4	1037.4	1037.4	1021.6	1017.1	1008.1	996.7
50°	788.8	791.0	793.4	795.6	793.4	791.0	788.8	784.2	782.0	777.5	775.2
52.5°	605.7	608.0	603.5	608.0	603.5	608.0	605.7	608.0	601.2	601.2	598.9
55°	458.8	456.6	458.8	461.1	458.8	456.6	458.8	458.8	456.6	456.6	456.6
57.5°	336.8	332.2	332.2	332.2	332.2	332.2	336.8	334.5	341.3	336.8	339.0
60°	250.9	253.1	253.1	255.4	253.1	253.1	250.9	255.4	255.4	257.7	257.7
62.5°	185.3	192.1	187.5	192.1	187.5	192.1	185.3	187.5	187.5	189.9	192.1
65°	119.8	119.8	119.8	122.1	119.8	119.8	119.8	122.1	124.3	122.1	128.8
67.5°	81.4	83.6	88.2	85.9	88.2	83.6	81.4	83.6	83.6	90.4	88.2
70°	65.6	58.8	58.8	65.6	58.8	58.8	65.6	61.0	58.8	63.3	61.0
72.5°	38.4	33.9	38.4	38.4	38.4	33.9	38.4	33.9	36.2	36.2	40.7
75°	20.4	18.0	15.8	22.6	15.8	18.0	20.4	20.4	20.4	20.4	22.6
77.5°	13.6	11.3	15.8	15.8	15.8	11.3	13.6	11.3	13.6	11.3	13.6
80°	6.8	9.0	6.8	11.3	6.8	9.0	6.8	11.3	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: P248870

CATALOG NUMBER: LD8B100D010 ER8B100827 8LBSW0B

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	4628.8	4628.8	4628.8	4628.8	4628.8	4628.8	4628.8	4628.8	4628.8	4628.8	4628.8
2.5°	4676.3	4669.5	4671.8	4658.2	4658.2	4653.7	4656.0	4644.6	4640.2	4635.6	4642.4
5°	4744.1	4732.8	4723.7	4703.4	4692.1	4678.6	4671.8	4653.7	4637.9	4624.3	4622.0
7.5°	4798.3	4773.5	4757.7	4730.5	4710.2	4694.4	4671.8	4646.9	4626.6	4608.5	4595.0
10°	4820.9	4796.1	4771.3	4737.3	4714.7	4685.3	4662.7	4631.1	4604.0	4579.2	4563.2
12.5°	4823.2	4791.5	4768.9	4730.5	4701.1	4669.5	4644.6	4608.5	4576.8	4552.0	4527.1
15°	4802.9	4773.5	4746.3	4705.7	4676.3	4646.9	4617.6	4579.2	4549.8	4520.4	4502.3
17.5°	4757.7	4730.5	4698.9	4660.5	4633.4	4606.2	4574.6	4543.0	4509.0	4477.4	4454.8
20°	4698.9	4669.5	4642.4	4604.0	4581.4	4552.0	4522.6	4488.7	4461.6	4429.9	4405.1
22.5°	4610.8	4583.6	4558.8	4536.2	4500.0	4477.4	4457.1	4418.7	4391.5	4362.1	4335.0
25°	4484.2	4457.1	4436.7	4409.6	4393.7	4368.9	4348.5	4314.7	4289.8	4262.7	4240.1
27.5°	4276.2	4260.4	4249.1	4233.3	4219.8	4208.4	4197.2	4170.0	4152.0	4127.1	4104.5
30°	3964.3	3962.1	3955.3	3948.5	3957.5	3957.5	3957.5	3953.1	3937.2	3919.1	3903.3
32.5°	3564.3	3568.8	3577.9	3584.7	3602.7	3623.1	3641.1	3650.1	3650.1	3638.9	3632.1
35°	3087.4	3094.2	3107.8	3125.8	3148.4	3173.3	3213.9	3223.0	3229.7	3229.7	3220.7
37.5°	2592.4	2590.2	2603.7	2619.6	2633.1	2651.2	2680.6	2687.4	2698.6	2694.2	2685.1
40°	2111.0	2099.7	2095.1	2099.7	2115.5	2108.7	2115.5	2111.0	2111.0	2095.1	2095.1
42.5°	1665.7	1652.2	1643.1	1636.4	1636.4	1620.5	1609.2	1598.0	1591.2	1579.8	1577.6
45°	1283.8	1267.9	1256.7	1252.1	1245.4	1225.0	1211.4	1197.9	1182.0	1177.6	1179.8
47.5°	996.7	980.9	976.4	965.1	953.8	942.5	933.5	917.7	915.3	906.3	915.3
50°	768.4	764.0	757.2	752.6	745.8	736.8	727.8	718.8	714.2	714.2	716.4
52.5°	596.7	598.9	592.1	585.3	580.9	580.9	569.5	567.3	567.3	558.3	567.3
55°	456.6	454.3	456.6	452.0	452.0	445.2	445.2	438.5	438.5	431.7	436.2
57.5°	334.5	339.0	334.5	336.8	341.3	334.5	332.2	325.4	330.0	325.4	327.7
60°	259.9	259.9	259.9	257.7	257.7	255.4	255.4	253.1	253.1	248.6	253.1
62.5°	192.1	194.3	194.3	194.3	196.7	194.3	192.1	194.3	192.1	192.1	194.3
65°	126.6	128.8	128.8	126.6	131.1	126.6	128.8	131.1	133.3	131.1	133.3
67.5°	85.9	85.9	88.2	90.4	88.2	90.4	92.7	90.4	92.7	97.2	92.7
70°	63.3	65.6	65.6	63.3	61.0	63.3	61.0	67.8	67.8	67.8	72.3
72.5°	40.7	40.7	38.4	38.4	38.4	38.4	38.4	45.2	40.7	38.4	43.0
75°	22.6	24.8	24.8	18.0	20.4	24.8	18.0	20.4	27.2	22.6	27.2
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°	11.3	9.0	9.0	6.8	9.0	9.0	9.0	13.6	11.3	11.3	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: P248870

CATALOG NUMBER: LD8B100D010 ER8B100827 8LBSW0B

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	4628.8	4628.8	4628.8	4628.8	4628.8	4628.8	4628.8	4628.8	4628.8	4628.8	4628.8
2.5°	4624.3	4624.3	4622.0	4617.6	4608.5	4608.5	4606.2	4599.4	4595.0	4592.6	4592.6
5°	4601.7	4592.6	4583.6	4558.8	4558.8	4554.2	4540.7	4531.6	4527.1	4515.8	4511.3
7.5°	4581.4	4554.2	4538.4	4522.6	4502.3	4493.2	4477.4	4470.6	4454.8	4443.5	4436.7
10°	4531.6	4513.6	4493.2	4468.4	4452.5	4434.5	4416.4	4402.9	4382.5	4371.1	4362.1
12.5°	4497.8	4470.6	4452.5	4425.4	4398.3	4382.5	4357.6	4341.8	4321.5	4298.9	4285.3
15°	4466.1	4436.7	4411.9	4382.5	4353.1	4335.0	4305.6	4287.6	4258.2	4235.6	4219.8
17.5°	4418.7	4393.7	4366.7	4330.5	4303.4	4280.8	4249.1	4226.6	4199.4	4170.0	4154.2
20°	4368.9	4339.5	4312.4	4276.2	4249.1	4222.0	4190.4	4165.5	4133.8	4106.7	4088.7
22.5°	4303.4	4269.5	4246.8	4210.7	4179.0	4149.7	4120.3	4090.9	4061.5	4038.9	4018.6
25°	4208.4	4172.2	4147.4	4118.0	4088.7	4066.1	4029.9	4011.9	3982.5	3962.1	3941.7
27.5°	4072.8	4045.7	4023.1	3993.7	3968.9	3950.8	3923.7	3905.6	3880.7	3862.6	3846.8
30°	3874.0	3851.4	3831.0	3801.6	3783.6	3767.7	3742.8	3727.0	3708.9	3688.6	3684.1
32.5°	3607.3	3589.1	3568.8	3548.5	3534.9	3525.9	3505.5	3496.5	3478.4	3467.1	3455.8
35°	3204.9	3189.1	3177.8	3168.8	3164.3	3166.5	3162.0	3171.0	3175.5	3173.3	3175.5
37.5°	2678.4	2669.2	2673.8	2680.6	2703.2	2732.6	2759.7	2800.3	2827.5	2854.6	2879.5
40°	2090.7	2097.5	2115.5	2156.2	2215.0	2280.6	2341.6	2418.4	2495.3	2549.5	2599.2
42.5°	1577.6	1598.0	1643.1	1701.9	1790.1	1887.2	1982.2	2095.1	2187.9	2278.2	2341.6
45°	1186.6	1213.7	1272.5	1353.9	1451.0	1564.0	1683.9	1810.4	1921.2	2013.8	2083.9
47.5°	924.4	949.3	1008.1	1093.9	1213.7	1331.3	1455.6	1586.6	1701.9	1792.3	1853.4
50°	730.0	761.6	813.6	904.1	1023.9	1148.2	1277.0	1405.8	1514.4	1591.2	1645.4
52.5°	574.1	603.5	653.2	748.2	870.2	994.5	1114.2	1240.8	1335.7	1410.3	1446.5
55°	445.2	472.4	524.3	603.5	718.8	840.8	960.5	1069.1	1157.2	1211.4	1245.4
57.5°	339.0	359.4	395.6	474.6	578.7	691.6	793.4	901.8	969.7	1008.1	1030.6
60°	257.7	273.5	311.9	373.0	467.9	565.1	650.9	732.3	786.6	818.2	840.8
62.5°	194.3	212.5	239.6	291.6	363.8	443.0	515.3	576.3	621.5	641.9	657.7
65°	133.3	146.9	167.3	207.9	269.0	325.4	382.0	427.2	456.6	479.2	488.2
67.5°	99.4	108.5	119.8	151.5	194.3	239.6	278.0	309.6	341.3	350.4	366.2
70°	74.6	81.4	92.7	115.3	140.1	171.7	203.5	221.5	244.1	259.9	264.5
72.5°	47.4	49.7	61.0	74.6	94.9	115.3	135.6	151.5	165.0	174.1	178.5
75°	27.2	40.7	40.7	54.2	67.8	76.8	90.4	101.7	108.5	115.3	115.3
77.5°	18.0	24.8	27.2	33.9	40.7	52.0	63.3	70.1	76.8	79.1	79.1
80°	15.8	18.0	18.0	24.8	29.4	38.4	45.2	47.4	52.0	54.2	58.8
82.5°	6.8	9.0	11.3	18.0	20.4	20.4	27.2	29.4	33.9	36.2	36.2
85°	2.2	4.6	4.6	6.8	11.3	13.6	15.8	18.0	20.4	20.4	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: P248870

CATALOG NUMBER: LD8B100D010 ER8B100827 8LBSW0B

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	4628.8	4628.8	4628.8	4628.8	4628.8	4628.8	4628.8
2.5°	4588.2	4590.4	4581.4	4579.2	4574.6	4576.8	4581.4
5°	4504.5	4506.8	4497.8	4488.7	4488.7	4486.4	4488.7
7.5°	4425.4	4427.7	4414.1	4409.6	4400.5	4402.9	4402.9
10°	4346.3	4346.3	4326.0	4323.7	4316.9	4314.7	4314.7
12.5°	4269.5	4262.7	4246.8	4237.8	4242.4	4228.8	4228.8
15°	4201.6	4190.4	4170.0	4163.2	4152.0	4147.4	4147.4
17.5°	4131.6	4122.6	4104.5	4090.9	4077.3	4075.1	4077.3
20°	4063.8	4054.7	4032.1	4023.1	4011.9	4011.9	4007.3
22.5°	3995.9	3986.9	3966.6	3959.8	3944.0	3944.0	3946.3
25°	3925.9	3919.1	3896.5	3892.0	3889.8	3880.7	3885.2
27.5°	3831.0	3826.4	3808.4	3801.6	3792.6	3790.3	3794.8
30°	3656.9	3650.1	3636.7	3629.9	3614.1	3616.3	3620.8
32.5°	3440.0	3431.0	3412.8	3406.0	3392.5	3388.0	3390.2
35°	3168.8	3162.0	3146.2	3146.2	3132.6	3128.1	3132.6
37.5°	2893.1	2899.8	2893.1	2899.8	2893.1	2890.7	2893.1
40°	2633.1	2658.0	2662.4	2687.4	2678.4	2691.8	2689.6
42.5°	2384.5	2425.1	2441.0	2461.3	2456.8	2465.9	2472.7
45°	2133.6	2167.5	2183.3	2196.9	2199.2	2203.7	2205.9
47.5°	1896.2	1923.4	1925.6	1941.5	1939.2	1939.2	1946.0
50°	1674.8	1692.9	1697.3	1708.7	1699.7	1695.1	1697.3
52.5°	1469.1	1487.2	1482.6	1487.2	1475.9	1471.4	1473.6
55°	1258.9	1267.9	1267.9	1267.9	1254.4	1254.4	1254.4
57.5°	1044.2	1046.5	1041.9	1044.2	1041.9	1028.4	1026.1
60°	847.6	847.6	845.3	847.6	840.8	834.0	834.0
62.5°	662.2	666.8	675.8	666.8	662.2	666.8	660.0
65°	495.0	504.0	501.7	506.3	504.0	504.0	499.5
67.5°	373.0	375.2	377.4	379.8	379.8	379.8	379.8
70°	273.5	280.3	278.0	278.0	278.0	278.0	291.6
72.5°	183.1	192.1	189.9	194.3	194.3	198.9	194.3
75°	124.3	133.3	128.8	135.6	133.3	128.8	140.1
77.5°	83.6	88.2	90.4	92.7	90.4	88.2	90.4
80°	58.8	63.3	61.0	63.3	63.3	63.3	65.6
82.5°	36.2	43.0	40.7	43.0	40.7	43.0	43.0
85°	24.8	27.2	22.6	27.2	24.8	24.8	29.4
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)