

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: P248951

Luminaire Tested: **LD8B100D010 ER8B100950 8LBSW0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248951
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 ER8B100950 8LBSW0B
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
90 CRI 5000 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7664.0 lumens
Efficiency: N/A
Efficacy: 72.1 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

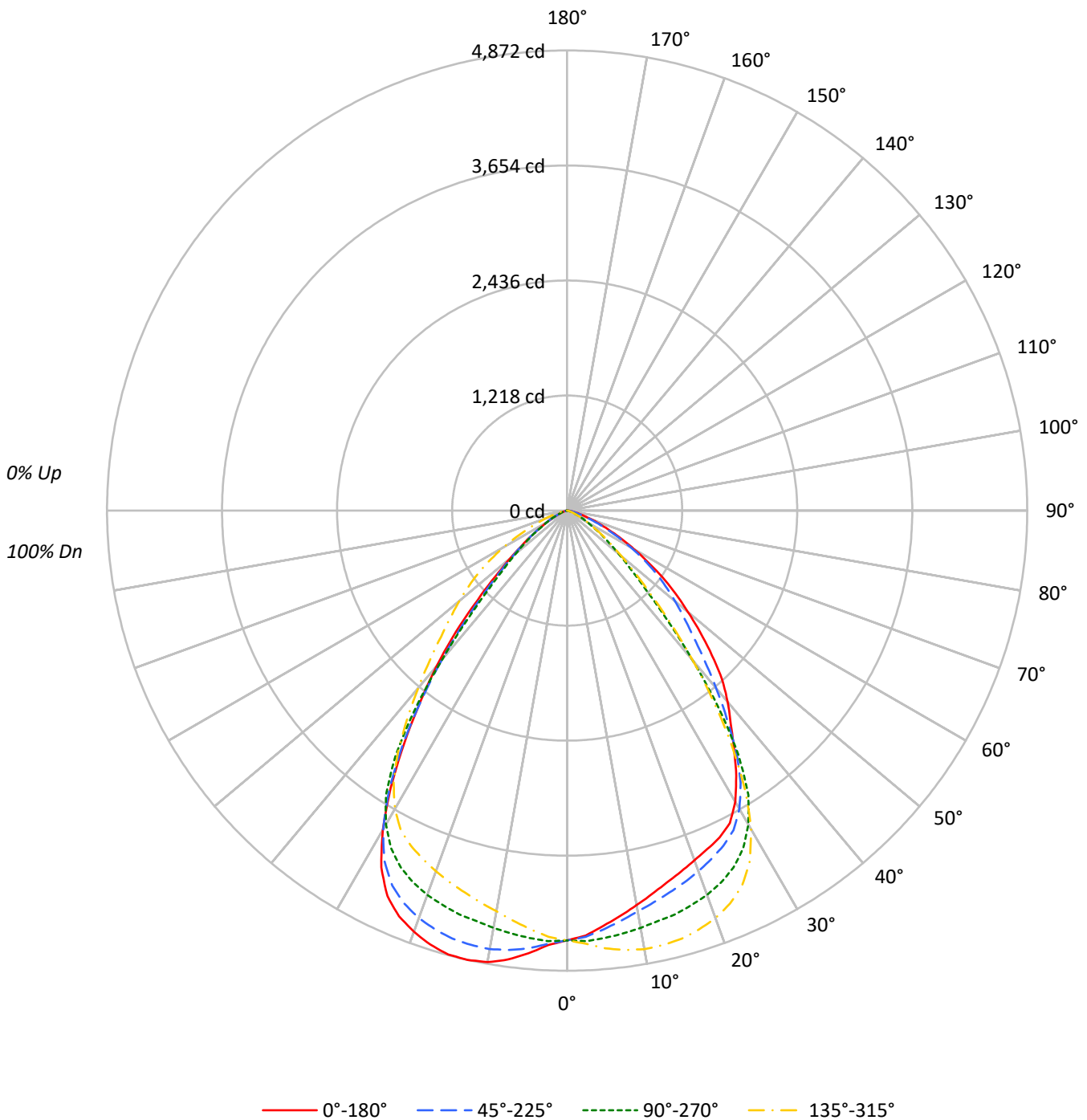
Input Watts (W): 106.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	140302	140302	140302	140302
5°	136576	140631	145651	140631
10°	132797	140447	151995	140447
15°	130145	141280	155324	141280
20°	129256	142090	155722	142090
25°	129938	141802	153217	141802
30°	126724	136612	139069	136612
35°	115914	119174	113072	119174
40°	106419	82899	86570	82899
45°	94558	50574	58515	50574
50°	80038	33782	37515	33782
55°	66288	23053	24365	23053
60°	50559	15344	15480	15344
65°	35826	9558	8756	9558
70°	25840	6410	5815	6410
75°	16406	3181	2645	3181
80°	11454	2380	1971	2380
85°	10225	0	778	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	433.1	5.7
10°-20°	1254.1	16.4
20°-30°	1898.9	24.8
30°-40°	1903.2	24.8
40°-50°	1195.1	15.6
50°-60°	636.9	8.3
60°-70°	261.9	3.4
70°-80°	69.2	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°	3586.1	46.8
0°-40°	5489.2	71.6
0°-60°	7321.2	95.5
0°-90°	7664.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7664.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4550	4550	4550	4550	4550	
5°	4412	4543	4705	4543	4412	416
15°	4077	4426	4865	4426	4077	1153
25°	3819	4168	4503	4168	3819	1752
35°	3079	3166	3004	3166	3079	1929
45°	2168	1160	1342	1160	2168	1668
55°	1233	429	453	429	1233	1099
65°	491	131	120	131	491	509
75°	138	27	22	27	138	156
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°	4549.9	4549.9	4549.9	4549.9	4549.9	4549.9	4549.9	4549.9	4549.9	4549.9	4549.9
2.5°	4503.2	4498.8	4496.6	4501.0	4503.2	4512.1	4509.9	4514.3	4514.3	4516.6	4521.0
5°	4412.2	4409.9	4412.2	4412.2	4421.0	4429.9	4427.7	4434.4	4438.8	4449.9	4454.3
7.5°	4327.8	4327.8	4325.5	4334.3	4338.8	4352.2	4349.9	4361.0	4367.7	4378.8	4394.3
10°	4241.1	4241.1	4243.3	4249.9	4252.2	4272.2	4272.2	4287.7	4296.6	4307.7	4327.8
12.5°	4156.7	4156.7	4170.0	4165.5	4174.4	4190.0	4196.6	4212.2	4225.5	4247.7	4267.8
15°	4076.7	4076.7	4081.1	4092.2	4098.9	4118.9	4130.0	4147.8	4163.3	4185.6	4214.5
17.5°	4007.8	4005.6	4007.8	4021.1	4034.5	4052.2	4061.1	4083.3	4098.9	4127.8	4154.5
20°	3938.9	3943.4	3943.4	3954.5	3963.4	3985.6	3994.4	4019.0	4036.7	4063.3	4094.5
22.5°	3879.0	3876.8	3876.8	3892.3	3899.0	3918.9	3927.8	3950.0	3970.0	3992.3	4021.1
25°	3819.0	3814.5	3823.4	3825.6	3830.0	3852.2	3858.9	3874.5	3894.5	3914.5	3943.4
27.5°	3730.1	3725.7	3727.9	3736.8	3743.4	3761.2	3765.7	3781.2	3796.7	3814.5	3839.0
30°	3559.0	3554.6	3552.4	3568.0	3574.6	3587.9	3594.6	3621.3	3625.7	3645.7	3663.4
32.5°	3332.4	3330.2	3334.7	3347.9	3354.6	3372.4	3381.3	3396.9	3407.9	3419.1	3436.8
35°	3079.2	3074.7	3079.2	3092.5	3092.5	3108.1	3114.8	3121.3	3119.1	3121.3	3117.0
37.5°	2843.7	2841.4	2843.7	2850.3	2843.7	2850.3	2843.7	2830.4	2806.0	2779.2	2752.5
40°	2643.7	2645.9	2632.7	2641.5	2617.0	2612.6	2588.2	2554.8	2506.0	2452.7	2377.2
42.5°	2430.5	2423.8	2414.9	2419.3	2399.4	2383.8	2343.8	2301.6	2239.4	2150.6	2059.4
45°	2168.3	2166.1	2161.6	2159.4	2146.1	2130.5	2097.2	2048.3	1979.5	1888.4	1779.5
47.5°	1912.8	1906.1	1906.1	1908.3	1892.8	1890.6	1863.9	1821.7	1761.8	1672.9	1559.6
50°	1668.4	1666.2	1670.7	1679.5	1668.4	1664.0	1646.3	1617.4	1564.1	1488.5	1381.8
52.5°	1448.5	1446.3	1450.8	1461.8	1457.3	1461.8	1444.1	1421.9	1386.3	1312.9	1219.7
55°	1233.0	1233.0	1233.0	1246.3	1246.3	1246.3	1237.4	1224.2	1190.8	1137.5	1050.9
57.5°	1008.6	1010.8	1024.2	1026.4	1024.2	1028.7	1026.4	1013.0	990.9	953.1	886.5
60°	819.8	819.8	826.5	833.1	830.9	833.1	833.1	826.5	804.2	773.2	719.8
62.5°	648.7	655.4	650.9	655.4	664.2	655.4	650.9	646.5	631.0	610.9	566.5
65°	491.0	495.4	495.4	497.6	493.2	495.4	486.6	479.9	471.0	448.8	419.9
67.5°	373.3	373.3	373.3	373.3	371.0	368.8	366.6	359.9	344.4	335.5	304.3
70°	286.6	273.2	273.2	273.2	273.2	275.5	268.8	260.0	255.5	239.9	217.7
72.5°	191.0	195.5	191.0	191.0	186.6	188.8	180.0	175.5	171.1	162.2	148.9
75°	137.7	126.6	131.0	133.3	126.6	131.0	122.2	113.3	113.3	106.6	99.9
77.5°	88.9	86.7	88.9	91.1	88.9	86.7	82.2	77.7	77.7	75.5	68.9
80°	64.5	62.2	62.2	62.2	60.0	62.2	57.8	57.8	53.3	51.1	46.6
82.5°	42.2	42.2	40.0	42.2	40.0	42.2	35.6	35.6	35.6	33.3	28.9
85°	28.9	24.4	24.4	26.7	22.2	26.7	24.4	22.2	20.0	20.0	17.7
87.5°	13.4	15.5	13.4	15.5	13.4	13.4	15.5	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°	4549.9	4549.9	4549.9	4549.9	4549.9	4549.9	4549.9	4549.9	4549.9	4549.9	4549.9
2.5°	4527.7	4529.8	4529.8	4538.8	4543.2	4545.4	4545.4	4563.2	4556.5	4561.0	4565.4
5°	4463.3	4476.5	4481.0	4481.0	4505.4	4514.3	4523.2	4543.2	4545.4	4558.7	4574.3
7.5°	4401.0	4416.5	4425.5	4445.4	4461.0	4476.5	4503.2	4516.6	4529.8	4547.7	4567.6
10°	4341.0	4358.8	4376.6	4392.1	4416.5	4436.6	4454.3	4485.4	4501.0	4525.5	4552.1
12.5°	4283.3	4307.7	4323.3	4349.9	4376.6	4394.3	4421.0	4449.9	4474.3	4498.8	4529.8
15°	4232.2	4261.1	4278.8	4307.7	4336.6	4361.0	4389.9	4425.5	4443.3	4472.1	4501.0
17.5°	4176.6	4207.8	4230.0	4256.6	4292.2	4318.8	4343.3	4378.8	4401.0	4432.1	4465.5
20°	4118.9	4150.0	4176.6	4203.3	4238.9	4265.5	4294.4	4330.0	4354.4	4385.5	4412.2
22.5°	4050.0	4078.9	4107.7	4138.8	4174.4	4196.6	4230.0	4261.1	4287.7	4316.6	4343.3
25°	3961.2	3996.7	4019.0	4047.8	4076.7	4101.1	4136.6	4167.7	4190.0	4216.7	4241.1
27.5°	3856.7	3883.4	3901.2	3925.6	3954.5	3976.7	4003.3	4034.5	4056.7	4081.1	4098.9
30°	3679.0	3703.5	3719.0	3736.8	3765.7	3785.7	3807.9	3836.7	3852.2	3870.1	3885.6
32.5°	3445.7	3465.7	3474.6	3487.9	3508.0	3527.9	3545.7	3570.1	3576.8	3587.9	3587.9
35°	3108.1	3112.5	3110.3	3114.8	3123.6	3134.7	3150.2	3165.8	3174.7	3174.7	3168.1
37.5°	2712.6	2686.0	2657.1	2634.9	2628.2	2623.7	2632.7	2639.2	2648.2	2652.6	2641.5
40°	2301.6	2241.7	2177.2	2119.4	2079.4	2061.7	2055.0	2059.4	2059.4	2074.9	2074.9
42.5°	1948.4	1855.0	1759.6	1672.9	1615.1	1570.7	1550.7	1550.7	1552.9	1564.1	1570.7
45°	1655.1	1537.4	1426.2	1330.8	1250.8	1193.0	1166.4	1159.7	1157.5	1161.9	1177.4
47.5°	1430.7	1308.6	1193.0	1075.3	990.9	933.1	908.7	899.7	890.8	899.7	902.0
50°	1255.2	1128.6	1006.4	888.7	799.8	748.6	717.6	704.2	702.0	702.0	706.5
52.5°	1095.2	977.5	855.4	735.4	642.0	593.2	564.3	557.6	548.8	557.6	557.6
55°	944.2	826.5	706.5	593.2	515.4	464.4	437.6	428.8	424.3	431.0	431.0
57.5°	779.8	679.8	568.8	466.5	388.8	353.2	333.2	322.2	319.9	324.4	319.9
60°	639.8	555.4	459.9	366.6	306.6	268.8	253.3	248.8	244.3	248.8	248.8
62.5°	506.5	435.5	357.6	286.6	235.5	208.9	191.0	191.0	188.8	188.8	191.0
65°	375.5	319.9	264.4	204.4	164.4	144.4	131.0	131.0	128.8	131.0	128.8
67.5°	273.2	235.5	191.0	148.9	117.8	106.6	97.8	91.1	95.6	91.1	88.9
70°	200.0	168.8	137.7	113.3	91.1	80.0	73.3	71.1	66.7	66.7	66.7
72.5°	133.3	113.3	93.3	73.3	60.0	48.8	46.6	42.2	37.8	40.0	44.4
75°	88.9	75.5	66.7	53.3	40.0	40.0	26.7	26.7	22.2	26.7	20.0
77.5°	62.2	51.1	40.0	33.3	26.7	24.4	17.7	17.7	15.5	15.5	15.5
80°	44.4	37.8	28.9	24.4	17.7	17.7	15.5	13.4	11.1	11.1	13.4
82.5°	26.7	20.0	20.0	17.7	11.1	8.9	6.7	8.9	4.5	4.5	4.5
85°	15.5	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°	4549.9	4549.9	4549.9	4549.9	4549.9	4549.9	4549.9	4549.9	4549.9	4549.9	4549.9
2.5°	4576.6	4574.3	4578.8	4578.8	4592.1	4589.8	4596.5	4596.5	4592.1	4594.3	4603.2
5°	4592.1	4598.8	4612.1	4623.2	4643.1	4652.1	4663.2	4674.3	4676.5	4683.2	4689.9
7.5°	4592.1	4614.3	4629.9	4649.8	4676.5	4692.1	4716.5	4736.5	4745.4	4756.4	4769.8
10°	4583.2	4605.4	4634.3	4656.5	4689.9	4714.3	4738.7	4769.8	4783.1	4800.9	4818.7
12.5°	4565.4	4589.8	4620.9	4649.8	4687.6	4709.8	4740.9	4769.8	4789.8	4814.2	4834.3
15°	4538.8	4567.6	4596.5	4625.4	4665.4	4692.1	4721.0	4754.3	4774.3	4800.9	4818.7
17.5°	4496.6	4527.7	4554.4	4581.0	4618.7	4649.8	4676.5	4707.6	4727.6	4749.9	4774.3
20°	4445.4	4474.3	4503.2	4525.5	4563.2	4589.8	4618.7	4647.6	4663.2	4667.7	4705.4
22.5°	4381.1	4401.0	4423.2	4458.8	4481.0	4505.4	4532.1	4558.7	4574.3	4598.8	4612.1
25°	4274.4	4294.4	4318.8	4334.3	4361.0	4381.1	4407.7	4436.6	4445.4	4463.3	4476.5
27.5°	4125.6	4136.6	4147.8	4161.1	4176.6	4187.8	4203.3	4216.7	4225.5	4234.4	4243.3
30°	3890.0	3890.0	3890.0	3881.1	3887.8	3894.5	3896.7	3894.5	3894.5	3892.3	3892.3
32.5°	3579.0	3561.3	3541.2	3523.5	3516.8	3508.0	3503.5	3496.8	3485.7	3479.1	3481.3
35°	3159.1	3119.1	3094.7	3072.5	3054.8	3041.4	3034.7	3028.1	3025.9	3017.0	3008.0
37.5°	2634.9	2606.0	2588.2	2574.9	2559.3	2546.0	2548.2	2550.5	2557.0	2552.7	2554.8
40°	2079.4	2072.8	2079.4	2063.9	2059.4	2063.9	2074.9	2090.6	2099.5	2108.3	2123.9
42.5°	1581.8	1592.9	1608.5	1608.5	1615.1	1624.0	1637.3	1661.8	1675.1	1690.6	1708.4
45°	1190.8	1204.1	1224.2	1230.7	1235.2	1246.3	1261.9	1281.9	1290.7	1304.1	1319.6
47.5°	917.5	926.4	937.5	948.6	959.7	964.2	979.7	979.7	990.9	999.8	1004.1
50°	715.4	724.2	733.1	739.8	744.3	750.9	755.3	762.0	764.2	768.7	770.9
52.5°	559.8	571.0	571.0	575.4	582.0	588.7	586.5	588.7	590.9	590.9	597.6
55°	437.6	437.6	444.3	444.3	448.8	446.5	448.8	448.8	448.8	448.8	451.0
57.5°	326.5	328.8	335.5	331.0	328.8	333.2	328.8	333.2	331.0	335.5	328.8
60°	251.0	251.0	253.3	253.3	255.5	255.5	255.5	253.3	253.3	251.0	251.0
62.5°	188.8	191.0	193.3	191.0	191.0	191.0	188.8	188.8	186.6	184.4	184.4
65°	126.6	124.5	128.8	124.5	126.6	126.6	124.5	126.6	120.0	122.2	120.0
67.5°	91.1	88.9	86.7	88.9	86.7	84.4	84.4	86.7	88.9	82.2	82.2
70°	60.0	62.2	60.0	62.2	64.5	64.5	62.2	60.0	62.2	57.8	60.0
72.5°	37.8	37.8	37.8	37.8	37.8	40.0	40.0	40.0	35.6	35.6	33.3
75°	17.7	24.4	20.0	17.7	24.4	24.4	22.2	22.2	20.0	20.0	20.0
77.5°	17.7	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: P248951

CATALOG NUMBER: LD8B100D010 ER8B100950 8LBSW0B

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	4549.9	4549.9	4549.9	4549.9	4549.9	4549.9	4549.9	4549.9	4549.9	4549.9	4549.9
2.5°	4601.0	4598.8	4601.0	4603.2	4601.0	4598.8	4601.0	4603.2	4594.3	4592.1	4596.5
5°	4698.7	4698.7	4703.1	4705.4	4703.1	4698.7	4698.7	4689.9	4683.2	4676.5	4674.3
7.5°	4783.1	4787.6	4792.0	4794.2	4792.0	4787.6	4783.1	4769.8	4756.4	4745.4	4736.5
10°	4834.3	4840.9	4849.8	4854.2	4849.8	4840.9	4834.3	4818.7	4800.9	4783.1	4769.8
12.5°	4856.5	4863.2	4874.2	4872.0	4874.2	4863.2	4856.5	4834.3	4814.2	4789.8	4769.8
15°	4840.9	4849.8	4860.9	4865.4	4860.9	4849.8	4840.9	4818.7	4800.9	4774.3	4754.3
17.5°	4792.0	4805.4	4812.0	4818.7	4812.0	4805.4	4792.0	4774.3	4749.9	4727.6	4707.6
20°	4725.4	4734.3	4743.2	4745.4	4743.2	4734.3	4725.4	4705.4	4667.7	4663.2	4647.6
22.5°	4629.9	4636.6	4656.5	4649.8	4656.5	4636.6	4629.9	4612.1	4598.8	4574.3	4558.7
25°	4492.1	4498.8	4501.0	4503.2	4501.0	4498.8	4492.1	4476.5	4463.3	4445.4	4436.6
27.5°	4254.4	4254.4	4258.8	4261.1	4258.8	4254.4	4254.4	4243.3	4234.4	4225.5	4216.7
30°	3894.5	3894.5	3894.5	3905.7	3894.5	3894.5	3894.5	3892.3	3892.3	3894.5	3894.5
32.5°	3479.1	3474.6	3470.2	3474.6	3470.2	3474.6	3479.1	3481.3	3479.1	3485.7	3496.8
35°	3008.0	3005.8	3012.5	3003.7	3012.5	3005.8	3008.0	3008.0	3017.0	3025.9	3028.1
37.5°	2557.0	2552.7	2561.5	2552.7	2561.5	2552.7	2557.0	2554.8	2552.7	2557.0	2550.5
40°	2128.4	2132.7	2132.7	2150.6	2132.7	2132.7	2128.4	2123.9	2108.3	2099.5	2090.6
42.5°	1717.3	1730.7	1726.2	1739.5	1726.2	1730.7	1717.3	1708.4	1690.6	1675.1	1661.8
45°	1328.5	1337.5	1337.5	1341.8	1337.5	1337.5	1328.5	1319.6	1304.1	1290.7	1281.9
47.5°	1019.7	1019.7	1019.7	1022.0	1019.7	1019.7	1019.7	1004.1	999.8	990.9	979.7
50°	775.4	777.5	779.8	782.0	779.8	777.5	775.4	770.9	768.7	764.2	762.0
52.5°	595.4	597.6	593.2	597.6	593.2	597.6	595.4	597.6	590.9	590.9	588.7
55°	451.0	448.8	451.0	453.2	451.0	448.8	451.0	451.0	448.8	448.8	448.8
57.5°	331.0	326.5	326.5	326.5	326.5	326.5	331.0	328.8	335.5	331.0	333.2
60°	246.6	248.8	248.8	251.0	248.8	248.8	246.6	251.0	251.0	253.3	253.3
62.5°	182.2	188.8	184.4	188.8	184.4	188.8	182.2	184.4	184.4	186.6	188.8
65°	117.8	117.8	117.8	120.0	117.8	117.8	117.8	120.0	122.2	120.0	126.6
67.5°	80.0	82.2	86.7	84.4	86.7	82.2	80.0	82.2	82.2	88.9	86.7
70°	64.5	57.8	57.8	64.5	57.8	57.8	64.5	60.0	57.8	62.2	60.0
72.5°	37.8	33.3	37.8	37.8	37.8	33.3	37.8	33.3	35.6	35.6	40.0
75°	20.0	17.7	15.5	22.2	15.5	17.7	20.0	20.0	20.0	20.0	22.2
77.5°	13.4	11.1	15.5	15.5	15.5	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: P248951

CATALOG NUMBER: LD8B100D010 ER8B100950 8LBSW0B

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	4549.9	4549.9	4549.9	4549.9	4549.9	4549.9	4549.9	4549.9	4549.9	4549.9	4549.9
2.5°	4596.5	4589.8	4592.1	4578.8	4578.8	4574.3	4576.6	4565.4	4561.0	4556.5	4563.2
5°	4663.2	4652.1	4643.1	4623.2	4612.1	4598.8	4592.1	4574.3	4558.7	4545.4	4543.2
7.5°	4716.5	4692.1	4676.5	4649.8	4629.9	4614.3	4592.1	4567.6	4547.7	4529.8	4516.6
10°	4738.7	4714.3	4689.9	4656.5	4634.3	4605.4	4583.2	4552.1	4525.5	4501.0	4485.4
12.5°	4740.9	4709.8	4687.6	4649.8	4620.9	4589.8	4565.4	4529.8	4498.8	4474.3	4449.9
15°	4721.0	4692.1	4665.4	4625.4	4596.5	4567.6	4538.8	4501.0	4472.1	4443.3	4425.5
17.5°	4676.5	4649.8	4618.7	4581.0	4554.4	4527.7	4496.6	4465.5	4432.1	4401.0	4378.8
20°	4618.7	4589.8	4563.2	4525.5	4503.2	4474.3	4445.4	4412.2	4385.5	4354.4	4330.0
22.5°	4532.1	4505.4	4481.0	4458.8	4423.2	4401.0	4381.1	4343.3	4316.6	4287.7	4261.1
25°	4407.7	4381.1	4361.0	4334.3	4318.8	4294.4	4274.4	4241.1	4216.7	4190.0	4167.7
27.5°	4203.3	4187.8	4176.6	4161.1	4147.8	4136.6	4125.6	4098.9	4081.1	4056.7	4034.5
30°	3896.7	3894.5	3887.8	3881.1	3890.0	3890.0	3890.0	3885.6	3870.1	3852.2	3836.7
32.5°	3503.5	3508.0	3516.8	3523.5	3541.2	3561.3	3579.0	3587.9	3587.9	3576.8	3570.1
35°	3034.7	3041.4	3054.8	3072.5	3094.7	3119.1	3159.1	3168.1	3174.7	3174.7	3165.8
37.5°	2548.2	2546.0	2559.3	2574.9	2588.2	2606.0	2634.9	2641.5	2652.6	2648.2	2639.2
40°	2074.9	2063.9	2059.4	2063.9	2079.4	2072.8	2079.4	2074.9	2074.9	2059.4	2059.4
42.5°	1637.3	1624.0	1615.1	1608.5	1608.5	1592.9	1581.8	1570.7	1564.1	1552.9	1550.7
45°	1261.9	1246.3	1235.2	1230.7	1224.2	1204.1	1190.8	1177.4	1161.9	1157.5	1159.7
47.5°	979.7	964.2	959.7	948.6	937.5	926.4	917.5	902.0	899.7	890.8	899.7
50°	755.3	750.9	744.3	739.8	733.1	724.2	715.4	706.5	702.0	702.0	704.2
52.5°	586.5	588.7	582.0	575.4	571.0	571.0	559.8	557.6	557.6	548.8	557.6
55°	448.8	446.5	448.8	444.3	444.3	437.6	437.6	431.0	431.0	424.3	428.8
57.5°	328.8	333.2	328.8	331.0	335.5	328.8	326.5	319.9	324.4	319.9	322.2
60°	255.5	255.5	255.5	253.3	253.3	251.0	251.0	248.8	248.8	244.3	248.8
62.5°	188.8	191.0	191.0	191.0	193.3	191.0	188.8	191.0	188.8	188.8	191.0
65°	124.5	126.6	126.6	124.5	128.8	124.5	126.6	128.8	131.0	128.8	131.0
67.5°	84.4	84.4	86.7	88.9	86.7	88.9	91.1	88.9	91.1	95.6	91.1
70°	62.2	64.5	64.5	62.2	60.0	62.2	60.0	66.7	66.7	66.7	71.1
72.5°	40.0	40.0	37.8	37.8	37.8	37.8	37.8	44.4	40.0	37.8	42.2
75°	22.2	24.4	24.4	17.7	20.0	24.4	17.7	20.0	26.7	22.2	26.7
77.5°	13.4	13.4	13.4	13.4	13.4	13.4	17.7	15.5	15.5	15.5	17.7
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: P248951

CATALOG NUMBER: LD8B100D010 ER8B100950 8LBSW0B

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	4549.9	4549.9	4549.9	4549.9	4549.9	4549.9	4549.9	4549.9	4549.9	4549.9	4549.9
2.5°	4545.4	4545.4	4543.2	4538.8	4529.8	4529.8	4527.7	4521.0	4516.6	4514.3	4514.3
5°	4523.2	4514.3	4505.4	4481.0	4481.0	4476.5	4463.3	4454.3	4449.9	4438.8	4434.4
7.5°	4503.2	4476.5	4461.0	4445.4	4425.5	4416.5	4401.0	4394.3	4378.8	4367.7	4361.0
10°	4454.3	4436.6	4416.5	4392.1	4376.6	4358.8	4341.0	4327.8	4307.7	4296.6	4287.7
12.5°	4421.0	4394.3	4376.6	4349.9	4323.3	4307.7	4283.3	4267.8	4247.7	4225.5	4212.2
15°	4389.9	4361.0	4336.6	4307.7	4278.8	4261.1	4232.2	4214.5	4185.6	4163.3	4147.8
17.5°	4343.3	4318.8	4292.2	4256.6	4230.0	4207.8	4176.6	4154.5	4127.8	4098.9	4083.3
20°	4294.4	4265.5	4238.9	4203.3	4176.6	4150.0	4118.9	4094.5	4063.3	4036.7	4019.0
22.5°	4230.0	4196.6	4174.4	4138.8	4107.7	4078.9	4050.0	4021.1	3992.3	3970.0	3950.0
25°	4136.6	4101.1	4076.7	4047.8	4019.0	3996.7	3961.2	3943.4	3914.5	3894.5	3874.5
27.5°	4003.3	3976.7	3954.5	3925.6	3901.2	3883.4	3856.7	3839.0	3814.5	3796.7	3781.2
30°	3807.9	3785.7	3765.7	3736.8	3719.0	3703.5	3679.0	3663.4	3645.7	3625.7	3621.3
32.5°	3545.7	3527.9	3508.0	3487.9	3474.6	3465.7	3445.7	3436.8	3419.1	3407.9	3396.9
35°	3150.2	3134.7	3123.6	3114.8	3110.3	3112.5	3108.1	3117.0	3121.3	3119.1	3121.3
37.5°	2632.7	2623.7	2628.2	2634.9	2657.1	2686.0	2712.6	2752.5	2779.2	2806.0	2830.4
40°	2055.0	2061.7	2079.4	2119.4	2177.2	2241.7	2301.6	2377.2	2452.7	2506.0	2554.8
42.5°	1550.7	1570.7	1615.1	1672.9	1759.6	1855.0	1948.4	2059.4	2150.6	2239.4	2301.6
45°	1166.4	1193.0	1250.8	1330.8	1426.2	1537.4	1655.1	1779.5	1888.4	1979.5	2048.3
47.5°	908.7	933.1	990.9	1075.3	1193.0	1308.6	1430.7	1559.6	1672.9	1761.8	1821.7
50°	717.6	748.6	799.8	888.7	1006.4	1128.6	1255.2	1381.8	1488.5	1564.1	1617.4
52.5°	564.3	593.2	642.0	735.4	855.4	977.5	1095.2	1219.7	1312.9	1386.3	1421.9
55°	437.6	464.4	515.4	593.2	706.5	826.5	944.2	1050.9	1137.5	1190.8	1224.2
57.5°	333.2	353.2	388.8	466.5	568.8	679.8	779.8	886.5	953.1	990.9	1013.0
60°	253.3	268.8	306.6	366.6	459.9	555.4	639.8	719.8	773.2	804.2	826.5
62.5°	191.0	208.9	235.5	286.6	357.6	435.5	506.5	566.5	610.9	631.0	646.5
65°	131.0	144.4	164.4	204.4	264.4	319.9	375.5	419.9	448.8	471.0	479.9
67.5°	97.8	106.6	117.8	148.9	191.0	235.5	273.2	304.3	335.5	344.4	359.9
70°	73.3	80.0	91.1	113.3	137.7	168.8	200.0	217.7	239.9	255.5	260.0
72.5°	46.6	48.8	60.0	73.3	93.3	113.3	133.3	148.9	162.2	171.1	175.5
75°	26.7	40.0	40.0	53.3	66.7	75.5	88.9	99.9	106.6	113.3	113.3
77.5°	17.7	24.4	26.7	33.3	40.0	51.1	62.2	68.9	75.5	77.7	77.7
80°	15.5	17.7	17.7	24.4	28.9	37.8	44.4	46.6	51.1	53.3	57.8
82.5°	6.7	8.9	11.1	17.7	20.0	20.0	26.7	28.9	33.3	35.6	35.6
85°	2.2	4.5	4.5	6.7	11.1	13.4	15.5	17.7	20.0	20.0	22.2
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: P248951

CATALOG NUMBER: LD8B100D010 ER8B100950 8LBSW0B

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	4549.9	4549.9	4549.9	4549.9	4549.9	4549.9	4549.9
2.5°	4509.9	4512.1	4503.2	4501.0	4496.6	4498.8	4503.2
5°	4427.7	4429.9	4421.0	4412.2	4412.2	4409.9	4412.2
7.5°	4349.9	4352.2	4338.8	4334.3	4325.5	4327.8	4327.8
10°	4272.2	4272.2	4252.2	4249.9	4243.3	4241.1	4241.1
12.5°	4196.6	4190.0	4174.4	4165.5	4170.0	4156.7	4156.7
15°	4130.0	4118.9	4098.9	4092.2	4081.1	4076.7	4076.7
17.5°	4061.1	4052.2	4034.5	4021.1	4007.8	4005.6	4007.8
20°	3994.4	3985.6	3963.4	3954.5	3943.4	3943.4	3938.9
22.5°	3927.8	3918.9	3899.0	3892.3	3876.8	3876.8	3879.0
25°	3858.9	3852.2	3830.0	3825.6	3823.4	3814.5	3819.0
27.5°	3765.7	3761.2	3743.4	3736.8	3727.9	3725.7	3730.1
30°	3594.6	3587.9	3574.6	3568.0	3552.4	3554.6	3559.0
32.5°	3381.3	3372.4	3354.6	3347.9	3334.7	3330.2	3332.4
35°	3114.8	3108.1	3092.5	3092.5	3079.2	3074.7	3079.2
37.5°	2843.7	2850.3	2843.7	2850.3	2843.7	2841.4	2843.7
40°	2588.2	2612.6	2617.0	2641.5	2632.7	2645.9	2643.7
42.5°	2343.8	2383.8	2399.4	2419.3	2414.9	2423.8	2430.5
45°	2097.2	2130.5	2146.1	2159.4	2161.6	2166.1	2168.3
47.5°	1863.9	1890.6	1892.8	1908.3	1906.1	1906.1	1912.8
50°	1646.3	1664.0	1668.4	1679.5	1670.7	1666.2	1668.4
52.5°	1444.1	1461.8	1457.3	1461.8	1450.8	1446.3	1448.5
55°	1237.4	1246.3	1246.3	1246.3	1233.0	1233.0	1233.0
57.5°	1026.4	1028.7	1024.2	1026.4	1024.2	1010.8	1008.6
60°	833.1	833.1	830.9	833.1	826.5	819.8	819.8
62.5°	650.9	655.4	664.2	655.4	650.9	655.4	648.7
65°	486.6	495.4	493.2	497.6	495.4	495.4	491.0
67.5°	366.6	368.8	371.0	373.3	373.3	373.3	373.3
70°	268.8	275.5	273.2	273.2	273.2	273.2	286.6
72.5°	180.0	188.8	186.6	191.0	191.0	195.5	191.0
75°	122.2	131.0	126.6	133.3	131.0	126.6	137.7
77.5°	82.2	86.7	88.9	91.1	88.9	86.7	88.9
80°	57.8	62.2	60.0	62.2	62.2	62.2	64.5
82.5°	35.6	42.2	40.0	42.2	40.0	42.2	42.2
85°	24.4	26.7	22.2	26.7	24.4	24.4	28.9
87.5°	15.5	13.4	13.4	15.5	13.4	15.5	13.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)