

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: P248942

Luminaire Tested: **LD8B100D010 ER8B100940 8LBSW0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248942
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 ER8B100940 8LBSW0B
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
90 CRI 4000 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7402.0 lumens
Efficiency: N/A
Efficacy: 69.6 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

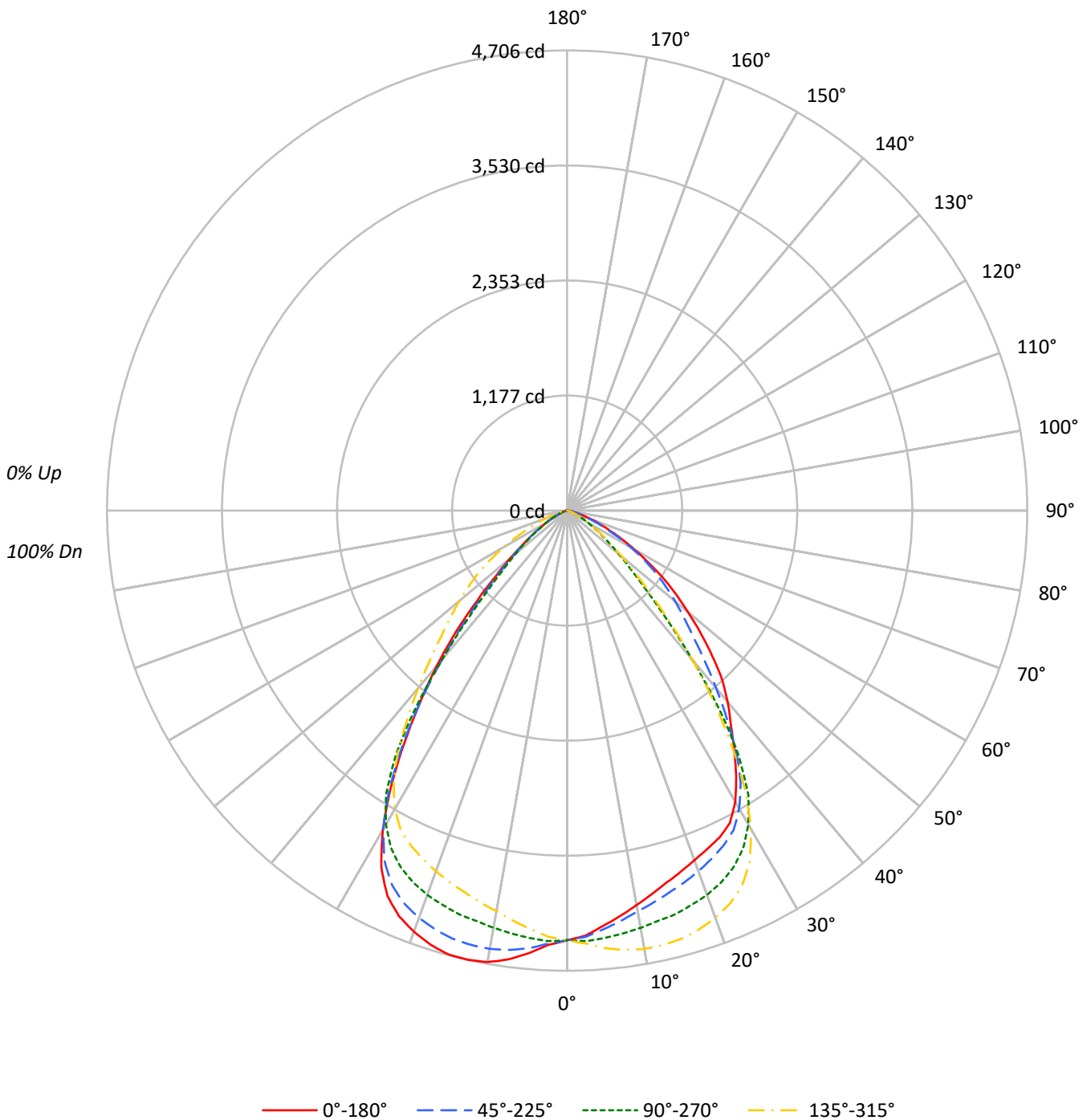
Input Watts (W): 106.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	135504	135504	135504	135504
5°	131905	135824	140674	135824
10°	128257	135647	146800	135647
15°	125695	136450	150011	136450
20°	124839	137230	150399	137230
25°	125495	136957	147981	136957
30°	122391	131941	134312	131941
35°	111950	115101	109206	115101
40°	102784	80065	83611	80065
45°	91326	48842	56517	48842
50°	77303	32626	36234	32626
55°	64025	22263	23531	22263
60°	48832	14820	14949	14820
65°	34600	9237	8457	9237
70°	24956	6185	5617	6185
75°	15846	3074	2562	3074
80°	11063	2291	1900	2291
85°	9871	0	743	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	418.3	5.7
10°-20°	1211.2	16.4
20°-30°	1834.0	24.8
30°-40°	1838.1	24.8
40°-50°	1154.2	15.6
50°-60°	615.1	8.3
60°-70°	252.9	3.4
70°-80°	66.8	0.9
80°-90°	11.3	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°	3463.5	46.8
0°-40°	5301.6	71.6
0°-60°	7070.9	95.5
0°-90°	7402.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7402.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4394	4394	4394	4394	4394	
5°	4261	4388	4545	4388	4261	402
15°	3937	4274	4699	4274	3937	1114
25°	3688	4025	4349	4025	3688	1692
35°	2974	3058	2901	3058	2974	1863
45°	2094	1120	1296	1120	2094	1611
55°	1191	414	438	414	1191	1062
65°	474	127	116	127	474	492
75°	133	26	22	26	133	151
85°	28	0	2	0	28	31
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°	4394.3	4394.3	4394.3	4394.3	4394.3	4394.3	4394.3	4394.3	4394.3	4394.3	4394.3
2.5°	4349.3	4345.0	4342.8	4347.2	4349.3	4357.9	4355.7	4360.0	4360.0	4362.2	4366.4
5°	4261.3	4259.1	4261.3	4261.3	4269.9	4278.5	4276.3	4282.8	4287.0	4297.8	4302.0
7.5°	4179.8	4179.8	4177.6	4186.2	4190.5	4203.4	4201.2	4212.0	4218.4	4229.1	4244.1
10°	4096.1	4096.1	4098.2	4104.7	4106.9	4126.1	4126.1	4141.1	4149.7	4160.5	4179.8
12.5°	4014.6	4014.6	4027.5	4023.1	4031.7	4046.7	4053.2	4068.2	4081.1	4102.5	4121.9
15°	3937.3	3937.3	3941.6	3952.3	3958.8	3978.1	3988.8	4006.0	4021.0	4042.5	4070.4
17.5°	3870.8	3868.7	3870.8	3883.7	3896.6	3913.7	3922.3	3943.7	3958.8	3986.7	4012.4
20°	3804.3	3808.6	3808.6	3819.3	3827.9	3849.3	3857.9	3881.6	3898.7	3924.4	3954.5
22.5°	3746.3	3744.2	3744.2	3759.2	3765.7	3784.9	3793.5	3815.0	3834.3	3855.8	3883.7
25°	3688.4	3684.1	3692.7	3694.9	3699.1	3720.6	3727.0	3742.0	3761.4	3780.7	3808.6
27.5°	3602.6	3598.3	3600.4	3609.0	3615.5	3632.6	3636.9	3651.9	3666.9	3684.1	3707.8
30°	3437.3	3433.1	3431.0	3446.0	3452.4	3465.2	3471.7	3497.5	3501.7	3521.0	3538.2
32.5°	3218.5	3216.4	3220.7	3233.5	3239.9	3257.2	3265.7	3280.7	3291.4	3302.2	3319.3
35°	2973.9	2969.6	2973.9	2986.8	2986.8	3001.8	3008.3	3014.6	3012.5	3014.6	3010.4
37.5°	2746.5	2744.3	2746.5	2752.9	2746.5	2752.9	2746.5	2733.6	2710.0	2684.2	2658.4
40°	2553.4	2555.5	2542.7	2551.2	2527.6	2523.3	2499.7	2467.5	2420.3	2368.9	2295.9
42.5°	2347.4	2340.9	2332.4	2336.6	2317.4	2302.3	2263.7	2223.0	2162.8	2077.1	1989.0
45°	2094.2	2092.1	2087.7	2085.6	2072.7	2057.7	2025.5	1978.3	1911.8	1823.8	1718.7
47.5°	1847.4	1841.0	1841.0	1843.1	1828.1	1826.0	1800.2	1759.5	1701.5	1615.7	1506.3
50°	1611.4	1609.2	1613.6	1622.1	1611.4	1607.1	1590.0	1562.1	1510.6	1437.6	1334.6
52.5°	1399.0	1396.8	1401.2	1411.8	1407.5	1411.8	1394.7	1373.3	1338.9	1268.1	1178.0
55°	1190.9	1190.9	1190.9	1203.7	1203.7	1203.7	1195.1	1182.3	1150.1	1098.6	1014.9
57.5°	974.1	976.3	989.2	991.3	989.2	993.5	991.3	978.4	957.0	920.5	856.2
60°	791.8	791.8	798.2	804.7	802.5	804.7	804.7	798.2	776.8	746.7	695.2
62.5°	626.5	633.0	628.6	633.0	641.5	633.0	628.6	624.4	609.4	590.1	547.1
65°	474.2	478.5	478.5	480.6	476.3	478.5	469.9	463.5	454.9	433.5	405.6
67.5°	360.5	360.5	360.5	360.5	358.3	356.2	354.1	347.6	332.6	324.0	293.9
70°	276.8	263.9	263.9	263.9	263.9	266.1	259.7	251.1	246.8	231.7	210.3
72.5°	184.5	188.8	184.5	184.5	180.3	182.4	173.8	169.5	165.2	156.7	143.8
75°	133.0	122.3	126.6	128.8	122.3	126.6	118.0	109.4	109.4	103.0	96.5
77.5°	85.8	83.7	85.8	88.0	85.8	83.7	79.4	75.1	75.1	73.0	66.5
80°	62.3	60.1	60.1	60.1	57.9	60.1	55.8	55.8	51.5	49.4	45.0
82.5°	40.8	40.8	38.6	40.8	38.6	40.8	34.4	34.4	34.4	32.1	27.9
85°	27.9	23.6	23.6	25.8	21.5	25.8	23.6	21.5	19.3	19.3	17.1
87.5°	12.9	15.0	12.9	15.0	12.9	12.9	15.0	12.9	12.9	8.6	8.6
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	4394.3	4394.3	4394.3	4394.3	4394.3	4394.3	4394.3	4394.3	4394.3	4394.3	4394.3
2.5°	4372.9	4375.0	4375.0	4383.6	4387.9	4390.0	4390.0	4407.2	4400.8	4405.1	4409.3
5°	4310.7	4323.5	4327.8	4327.8	4351.4	4360.0	4368.5	4387.9	4390.0	4402.9	4417.9
7.5°	4250.6	4265.6	4274.2	4293.5	4308.5	4323.5	4349.3	4362.2	4375.0	4392.2	4411.5
10°	4192.6	4209.8	4227.0	4242.0	4265.6	4284.9	4302.0	4332.1	4347.2	4370.8	4396.5
12.5°	4136.9	4160.5	4175.5	4201.2	4227.0	4244.1	4269.9	4297.8	4321.4	4345.0	4375.0
15°	4087.5	4115.4	4132.6	4160.5	4188.4	4212.0	4239.9	4274.2	4291.4	4319.3	4347.2
17.5°	4033.8	4063.9	4085.4	4111.1	4145.5	4171.2	4194.8	4229.1	4250.6	4280.6	4312.8
20°	3978.1	4008.1	4033.8	4059.6	4094.0	4119.7	4147.6	4181.9	4205.5	4235.5	4261.3
22.5°	3911.6	3939.5	3967.3	3997.3	4031.7	4053.2	4085.4	4115.4	4141.1	4169.0	4194.8
25°	3825.7	3860.1	3881.6	3909.4	3937.3	3960.9	3995.2	4025.3	4046.7	4072.5	4096.1
27.5°	3724.9	3750.7	3767.8	3791.4	3819.3	3840.8	3866.5	3896.6	3918.0	3941.6	3958.8
30°	3553.2	3576.9	3591.9	3609.0	3636.9	3656.3	3677.7	3705.5	3720.6	3737.8	3752.8
32.5°	3327.9	3347.2	3355.8	3368.7	3388.0	3407.3	3424.5	3448.1	3454.5	3465.2	3465.2
35°	3001.8	3006.1	3003.9	3008.3	3016.8	3027.5	3042.5	3057.6	3066.1	3066.1	3059.8
37.5°	2619.9	2594.2	2566.2	2544.8	2538.3	2534.0	2542.7	2549.0	2557.7	2561.9	2551.2
40°	2223.0	2165.0	2102.8	2046.9	2008.3	1991.2	1984.8	1989.0	1989.0	2004.0	2004.0
42.5°	1881.8	1791.6	1699.4	1615.7	1559.9	1517.0	1497.7	1497.7	1499.8	1510.6	1517.0
45°	1598.5	1484.8	1377.5	1285.3	1208.0	1152.2	1126.5	1120.0	1117.9	1122.2	1137.2
47.5°	1381.8	1263.8	1152.2	1038.5	957.0	901.2	877.6	869.0	860.4	869.0	871.2
50°	1212.3	1090.0	972.0	858.3	772.4	723.1	693.0	680.1	678.0	678.0	682.3
52.5°	1057.8	944.1	826.1	710.3	620.1	572.9	545.0	538.6	530.0	538.6	538.6
55°	911.9	798.2	682.3	572.9	497.8	448.5	422.7	414.1	409.8	416.2	416.2
57.5°	753.2	656.6	549.3	450.6	375.5	341.2	321.8	311.1	308.9	313.3	308.9
60°	618.0	536.4	444.1	354.1	296.1	259.7	244.6	240.3	236.0	240.3	240.3
62.5°	489.2	420.6	345.4	276.8	227.4	201.7	184.5	184.5	182.4	182.4	184.5
65°	362.6	308.9	255.3	197.4	158.8	139.5	126.6	126.6	124.4	126.6	124.4
67.5°	263.9	227.4	184.5	143.8	113.8	103.0	94.4	88.0	92.3	88.0	85.8
70°	193.2	163.0	133.0	109.4	88.0	77.3	70.8	68.6	64.4	64.4	64.4
72.5°	128.8	109.4	90.1	70.8	57.9	47.2	45.0	40.8	36.5	38.6	42.9
75°	85.8	73.0	64.4	51.5	38.6	38.6	25.8	25.8	21.5	25.8	19.3
77.5°	60.1	49.4	38.6	32.1	25.8	23.6	17.1	17.1	15.0	15.0	15.0
80°	42.9	36.5	27.9	23.6	17.1	17.1	15.0	12.9	10.7	10.7	12.9
82.5°	25.8	19.3	19.3	17.1	10.7	8.6	6.4	8.6	4.3	4.3	4.3
85°	15.0	12.9	10.7	6.4	4.3	4.3	2.1	0.0	2.1	2.1	0.0
87.5°	8.6	4.3	4.3	2.1	0.0	2.1	2.1	0.0	0.0	0.0	4.3
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°	4394.3	4394.3	4394.3	4394.3	4394.3	4394.3	4394.3	4394.3	4394.3	4394.3	4394.3
2.5°	4420.1	4417.9	4422.2	4422.2	4435.1	4432.9	4439.4	4439.4	4435.1	4437.3	4445.8
5°	4435.1	4441.6	4454.4	4465.2	4484.4	4493.1	4503.8	4514.5	4516.7	4523.1	4529.5
7.5°	4435.1	4456.6	4471.6	4490.9	4516.7	4531.7	4555.2	4574.6	4583.2	4593.8	4606.7
10°	4426.5	4447.9	4475.9	4497.3	4529.5	4553.1	4576.7	4606.7	4619.6	4636.8	4654.0
12.5°	4409.3	4432.9	4463.0	4490.9	4527.3	4548.8	4578.8	4606.7	4626.1	4649.7	4669.0
15°	4383.6	4411.5	4439.4	4467.3	4505.9	4531.7	4559.6	4591.7	4611.1	4636.8	4654.0
17.5°	4342.8	4372.9	4398.7	4424.4	4460.8	4490.9	4516.7	4546.7	4566.0	4587.5	4611.1
20°	4293.5	4321.4	4349.3	4370.8	4407.2	4432.9	4460.8	4488.7	4503.8	4508.1	4544.6
22.5°	4231.3	4250.6	4272.0	4306.4	4327.8	4351.4	4377.2	4402.9	4417.9	4441.6	4454.4
25°	4128.2	4147.6	4171.2	4186.2	4212.0	4231.3	4257.0	4284.9	4293.5	4310.7	4323.5
27.5°	3984.5	3995.2	4006.0	4018.8	4033.8	4044.6	4059.6	4072.5	4081.1	4089.6	4098.2
30°	3757.0	3757.0	3757.0	3748.5	3754.9	3761.4	3763.5	3761.4	3761.4	3759.2	3759.2
32.5°	3456.7	3439.5	3420.2	3403.1	3396.6	3388.0	3383.7	3377.3	3366.6	3360.1	3362.3
35°	3051.1	3012.5	2988.9	2967.5	2950.3	2937.4	2931.0	2924.6	2922.4	2913.9	2905.2
37.5°	2544.8	2516.9	2499.7	2486.8	2471.8	2458.9	2461.1	2463.3	2469.6	2465.4	2467.5
40°	2008.3	2001.9	2008.3	1993.3	1989.0	1993.3	2004.0	2019.1	2027.7	2036.3	2051.3
42.5°	1527.7	1538.4	1553.5	1553.5	1559.9	1568.5	1581.3	1605.0	1617.8	1632.8	1650.0
45°	1150.1	1163.0	1182.3	1188.7	1193.0	1203.7	1218.8	1238.0	1246.6	1259.5	1274.5
47.5°	886.2	894.7	905.4	916.2	926.9	931.2	946.2	946.2	957.0	965.6	969.8
50°	690.9	699.5	708.0	714.5	718.8	725.3	729.5	736.0	738.1	742.4	744.5
52.5°	540.7	551.5	551.5	555.7	562.1	568.6	566.5	568.6	570.7	570.7	577.2
55°	422.7	422.7	429.1	429.1	433.5	431.3	433.5	433.5	433.5	433.5	435.6
57.5°	315.4	317.6	324.0	319.7	317.6	321.8	317.6	321.8	319.7	324.0	317.6
60°	242.4	242.4	244.6	244.6	246.8	246.8	246.8	244.6	244.6	242.4	242.4
62.5°	182.4	184.5	186.7	184.5	184.5	184.5	182.4	182.4	180.3	178.0	178.0
65°	122.3	120.2	124.4	120.2	122.3	122.3	120.2	122.3	115.9	118.0	115.9
67.5°	88.0	85.8	83.7	85.8	83.7	81.5	81.5	83.7	85.8	79.4	79.4
70°	57.9	60.1	57.9	60.1	62.3	62.3	60.1	57.9	60.1	55.8	57.9
72.5°	36.5	36.5	36.5	36.5	36.5	38.6	38.6	38.6	34.4	34.4	32.1
75°	17.1	23.6	19.3	17.1	23.6	23.6	21.5	21.5	19.3	19.3	19.3
77.5°	17.1	12.9	12.9	12.9	12.9	12.9	12.9	12.9	10.7	12.9	10.7
80°	8.6	8.6	8.6	6.4	8.6	8.6	10.7	8.6	8.6	6.4	10.7
82.5°	4.3	4.3	4.3	0.0	2.1	4.3	4.3	2.1	4.3	4.3	2.1
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: P248942

CATALOG NUMBER: LD8B100D010 ER8B100940 8LBSW0B

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	4394.3	4394.3	4394.3	4394.3	4394.3	4394.3	4394.3	4394.3	4394.3	4394.3	4394.3
2.5°	4443.7	4441.6	4443.7	4445.8	4443.7	4441.6	4443.7	4445.8	4437.3	4435.1	4439.4
5°	4538.1	4538.1	4542.4	4544.6	4542.4	4538.1	4538.1	4529.5	4523.1	4516.7	4514.5
7.5°	4619.6	4624.0	4628.2	4630.3	4628.2	4624.0	4619.6	4606.7	4593.8	4583.2	4574.6
10°	4669.0	4675.4	4684.0	4688.3	4684.0	4675.4	4669.0	4654.0	4636.8	4619.6	4606.7
12.5°	4690.5	4696.9	4707.6	4705.5	4707.6	4696.9	4690.5	4669.0	4649.7	4626.1	4606.7
15°	4675.4	4684.0	4694.7	4699.0	4694.7	4684.0	4675.4	4654.0	4636.8	4611.1	4591.7
17.5°	4628.2	4641.1	4647.5	4654.0	4647.5	4641.1	4628.2	4611.1	4587.5	4566.0	4546.7
20°	4563.8	4572.5	4581.0	4583.2	4581.0	4572.5	4563.8	4544.6	4508.1	4503.8	4488.7
22.5°	4471.6	4478.1	4497.3	4490.9	4497.3	4478.1	4471.6	4454.4	4441.6	4417.9	4402.9
25°	4338.5	4345.0	4347.2	4349.3	4347.2	4345.0	4338.5	4323.5	4310.7	4293.5	4284.9
27.5°	4109.0	4109.0	4113.2	4115.4	4113.2	4109.0	4109.0	4098.2	4089.6	4081.1	4072.5
30°	3761.4	3761.4	3761.4	3772.1	3761.4	3761.4	3761.4	3759.2	3759.2	3761.4	3761.4
32.5°	3360.1	3355.8	3351.6	3355.8	3351.6	3355.8	3360.1	3362.3	3360.1	3366.6	3377.3
35°	2905.2	2903.1	2909.5	2901.0	2909.5	2903.1	2905.2	2905.2	2913.9	2922.4	2924.6
37.5°	2469.6	2465.4	2474.0	2465.4	2474.0	2465.4	2469.6	2467.5	2465.4	2469.6	2463.3
40°	2055.6	2059.8	2059.8	2077.1	2059.8	2059.8	2055.6	2051.3	2036.3	2027.7	2019.1
42.5°	1658.6	1671.5	1667.2	1680.1	1667.2	1671.5	1658.6	1650.0	1632.8	1617.8	1605.0
45°	1283.1	1291.7	1291.7	1296.0	1291.7	1291.7	1283.1	1274.5	1259.5	1246.6	1238.0
47.5°	984.8	984.8	984.8	987.0	984.8	984.8	984.8	969.8	965.6	957.0	946.2
50°	748.8	751.0	753.2	755.3	753.2	751.0	748.8	744.5	742.4	738.1	736.0
52.5°	575.0	577.2	572.9	577.2	572.9	577.2	575.0	577.2	570.7	570.7	568.6
55°	435.6	433.5	435.6	437.7	435.6	433.5	435.6	435.6	433.5	433.5	433.5
57.5°	319.7	315.4	315.4	315.4	315.4	315.4	319.7	317.6	324.0	319.7	321.8
60°	238.2	240.3	240.3	242.4	240.3	240.3	238.2	242.4	242.4	244.6	244.6
62.5°	175.9	182.4	178.0	182.4	178.0	182.4	175.9	178.0	178.0	180.3	182.4
65°	113.8	113.8	113.8	115.9	113.8	113.8	113.8	115.9	118.0	115.9	122.3
67.5°	77.3	79.4	83.7	81.5	83.7	79.4	77.3	79.4	79.4	85.8	83.7
70°	62.3	55.8	55.8	62.3	55.8	55.8	62.3	57.9	55.8	60.1	57.9
72.5°	36.5	32.1	36.5	36.5	36.5	32.1	36.5	32.1	34.4	34.4	38.6
75°	19.3	17.1	15.0	21.5	15.0	17.1	19.3	19.3	19.3	19.3	21.5
77.5°	12.9	10.7	15.0	15.0	15.0	10.7	12.9	10.7	12.9	10.7	12.9
80°	6.4	8.6	6.4	10.7	6.4	8.6	6.4	10.7	6.4	8.6	8.6
82.5°	2.1	4.3	4.3	4.3	4.3	4.3	2.1	2.1	4.3	4.3	2.1
85°	0.0	4.3	2.1	2.1	2.1	4.3	0.0	0.0	0.0	0.0	0.0
87.5°	2.1	0.0	0.0	2.1	0.0	0.0	2.1	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: P248942

CATALOG NUMBER: LD8B100D010 ER8B100940 8LBSW0B

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	4394.3	4394.3	4394.3	4394.3	4394.3	4394.3	4394.3	4394.3	4394.3	4394.3	4394.3
2.5°	4439.4	4432.9	4435.1	4422.2	4422.2	4417.9	4420.1	4409.3	4405.1	4400.8	4407.2
5°	4503.8	4493.1	4484.4	4465.2	4454.4	4441.6	4435.1	4417.9	4402.9	4390.0	4387.9
7.5°	4555.2	4531.7	4516.7	4490.9	4471.6	4456.6	4435.1	4411.5	4392.2	4375.0	4362.2
10°	4576.7	4553.1	4529.5	4497.3	4475.9	4447.9	4426.5	4396.5	4370.8	4347.2	4332.1
12.5°	4578.8	4548.8	4527.3	4490.9	4463.0	4432.9	4409.3	4375.0	4345.0	4321.4	4297.8
15°	4559.6	4531.7	4505.9	4467.3	4439.4	4411.5	4383.6	4347.2	4319.3	4291.4	4274.2
17.5°	4516.7	4490.9	4460.8	4424.4	4398.7	4372.9	4342.8	4312.8	4280.6	4250.6	4229.1
20°	4460.8	4432.9	4407.2	4370.8	4349.3	4321.4	4293.5	4261.3	4235.5	4205.5	4181.9
22.5°	4377.2	4351.4	4327.8	4306.4	4272.0	4250.6	4231.3	4194.8	4169.0	4141.1	4115.4
25°	4257.0	4231.3	4212.0	4186.2	4171.2	4147.6	4128.2	4096.1	4072.5	4046.7	4025.3
27.5°	4059.6	4044.6	4033.8	4018.8	4006.0	3995.2	3984.5	3958.8	3941.6	3918.0	3896.6
30°	3763.5	3761.4	3754.9	3748.5	3757.0	3757.0	3757.0	3752.8	3737.8	3720.6	3705.5
32.5°	3383.7	3388.0	3396.6	3403.1	3420.2	3439.5	3456.7	3465.2	3465.2	3454.5	3448.1
35°	2931.0	2937.4	2950.3	2967.5	2988.9	3012.5	3051.1	3059.8	3066.1	3066.1	3057.6
37.5°	2461.1	2458.9	2471.8	2486.8	2499.7	2516.9	2544.8	2551.2	2561.9	2557.7	2549.0
40°	2004.0	1993.3	1989.0	1993.3	2008.3	2001.9	2008.3	2004.0	2004.0	1989.0	1989.0
42.5°	1581.3	1568.5	1559.9	1553.5	1553.5	1538.4	1527.7	1517.0	1510.6	1499.8	1497.7
45°	1218.8	1203.7	1193.0	1188.7	1182.3	1163.0	1150.1	1137.2	1122.2	1117.9	1120.0
47.5°	946.2	931.2	926.9	916.2	905.4	894.7	886.2	871.2	869.0	860.4	869.0
50°	729.5	725.3	718.8	714.5	708.0	699.5	690.9	682.3	678.0	678.0	680.1
52.5°	566.5	568.6	562.1	555.7	551.5	551.5	540.7	538.6	538.6	530.0	538.6
55°	433.5	431.3	433.5	429.1	429.1	422.7	422.7	416.2	416.2	409.8	414.1
57.5°	317.6	321.8	317.6	319.7	324.0	317.6	315.4	308.9	313.3	308.9	311.1
60°	246.8	246.8	246.8	244.6	244.6	242.4	242.4	240.3	240.3	236.0	240.3
62.5°	182.4	184.5	184.5	184.5	186.7	184.5	182.4	184.5	182.4	182.4	184.5
65°	120.2	122.3	122.3	120.2	124.4	120.2	122.3	124.4	126.6	124.4	126.6
67.5°	81.5	81.5	83.7	85.8	83.7	85.8	88.0	85.8	88.0	92.3	88.0
70°	60.1	62.3	62.3	60.1	57.9	60.1	57.9	64.4	64.4	64.4	68.6
72.5°	38.6	38.6	36.5	36.5	36.5	36.5	36.5	42.9	38.6	36.5	40.8
75°	21.5	23.6	23.6	17.1	19.3	23.6	17.1	19.3	25.8	21.5	25.8
77.5°	12.9	12.9	12.9	12.9	12.9	12.9	17.1	15.0	15.0	15.0	17.1
80°	10.7	8.6	8.6	6.4	8.6	8.6	8.6	12.9	10.7	10.7	12.9
82.5°	4.3	4.3	2.1	0.0	4.3	4.3	4.3	4.3	4.3	4.3	8.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	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: P248942

CATALOG NUMBER: LD8B100D010 ER8B100940 8LBSW0B

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	4394.3	4394.3	4394.3	4394.3	4394.3	4394.3	4394.3	4394.3	4394.3	4394.3	4394.3
2.5°	4390.0	4390.0	4387.9	4383.6	4375.0	4375.0	4372.9	4366.4	4362.2	4360.0	4360.0
5°	4368.5	4360.0	4351.4	4327.8	4327.8	4323.5	4310.7	4302.0	4297.8	4287.0	4282.8
7.5°	4349.3	4323.5	4308.5	4293.5	4274.2	4265.6	4250.6	4244.1	4229.1	4218.4	4212.0
10°	4302.0	4284.9	4265.6	4242.0	4227.0	4209.8	4192.6	4179.8	4160.5	4149.7	4141.1
12.5°	4269.9	4244.1	4227.0	4201.2	4175.5	4160.5	4136.9	4121.9	4102.5	4081.1	4068.2
15°	4239.9	4212.0	4188.4	4160.5	4132.6	4115.4	4087.5	4070.4	4042.5	4021.0	4006.0
17.5°	4194.8	4171.2	4145.5	4111.1	4085.4	4063.9	4033.8	4012.4	3986.7	3958.8	3943.7
20°	4147.6	4119.7	4094.0	4059.6	4033.8	4008.1	3978.1	3954.5	3924.4	3898.7	3881.6
22.5°	4085.4	4053.2	4031.7	3997.3	3967.3	3939.5	3911.6	3883.7	3855.8	3834.3	3815.0
25°	3995.2	3960.9	3937.3	3909.4	3881.6	3860.1	3825.7	3808.6	3780.7	3761.4	3742.0
27.5°	3866.5	3840.8	3819.3	3791.4	3767.8	3750.7	3724.9	3707.8	3684.1	3666.9	3651.9
30°	3677.7	3656.3	3636.9	3609.0	3591.9	3576.9	3553.2	3538.2	3521.0	3501.7	3497.5
32.5°	3424.5	3407.3	3388.0	3368.7	3355.8	3347.2	3327.9	3319.3	3302.2	3291.4	3280.7
35°	3042.5	3027.5	3016.8	3008.3	3003.9	3006.1	3001.8	3010.4	3014.6	3012.5	3014.6
37.5°	2542.7	2534.0	2538.3	2544.8	2566.2	2594.2	2619.9	2658.4	2684.2	2710.0	2733.6
40°	1984.8	1991.2	2008.3	2046.9	2102.8	2165.0	2223.0	2295.9	2368.9	2420.3	2467.5
42.5°	1497.7	1517.0	1559.9	1615.7	1699.4	1791.6	1881.8	1989.0	2077.1	2162.8	2223.0
45°	1126.5	1152.2	1208.0	1285.3	1377.5	1484.8	1598.5	1718.7	1823.8	1911.8	1978.3
47.5°	877.6	901.2	957.0	1038.5	1152.2	1263.8	1381.8	1506.3	1615.7	1701.5	1759.5
50°	693.0	723.1	772.4	858.3	972.0	1090.0	1212.3	1334.6	1437.6	1510.6	1562.1
52.5°	545.0	572.9	620.1	710.3	826.1	944.1	1057.8	1178.0	1268.1	1338.9	1373.3
55°	422.7	448.5	497.8	572.9	682.3	798.2	911.9	1014.9	1098.6	1150.1	1182.3
57.5°	321.8	341.2	375.5	450.6	549.3	656.6	753.2	856.2	920.5	957.0	978.4
60°	244.6	259.7	296.1	354.1	444.1	536.4	618.0	695.2	746.7	776.8	798.2
62.5°	184.5	201.7	227.4	276.8	345.4	420.6	489.2	547.1	590.1	609.4	624.4
65°	126.6	139.5	158.8	197.4	255.3	308.9	362.6	405.6	433.5	454.9	463.5
67.5°	94.4	103.0	113.8	143.8	184.5	227.4	263.9	293.9	324.0	332.6	347.6
70°	70.8	77.3	88.0	109.4	133.0	163.0	193.2	210.3	231.7	246.8	251.1
72.5°	45.0	47.2	57.9	70.8	90.1	109.4	128.8	143.8	156.7	165.2	169.5
75°	25.8	38.6	38.6	51.5	64.4	73.0	85.8	96.5	103.0	109.4	109.4
77.5°	17.1	23.6	25.8	32.1	38.6	49.4	60.1	66.5	73.0	75.1	75.1
80°	15.0	17.1	17.1	23.6	27.9	36.5	42.9	45.0	49.4	51.5	55.8
82.5°	6.4	8.6	10.7	17.1	19.3	19.3	25.8	27.9	32.1	34.4	34.4
85°	2.1	4.3	4.3	6.4	10.7	12.9	15.0	17.1	19.3	19.3	21.5
87.5°	2.1	2.1	0.0	2.1	4.3	4.3	8.6	8.6	8.6	12.9	12.9
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: P248942

CATALOG NUMBER: LD8B100D010 ER8B100940 8LBSW0B

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	4394.3	4394.3	4394.3	4394.3	4394.3	4394.3	4394.3
2.5°	4355.7	4357.9	4349.3	4347.2	4342.8	4345.0	4349.3
5°	4276.3	4278.5	4269.9	4261.3	4261.3	4259.1	4261.3
7.5°	4201.2	4203.4	4190.5	4186.2	4177.6	4179.8	4179.8
10°	4126.1	4126.1	4106.9	4104.7	4098.2	4096.1	4096.1
12.5°	4053.2	4046.7	4031.7	4023.1	4027.5	4014.6	4014.6
15°	3988.8	3978.1	3958.8	3952.3	3941.6	3937.3	3937.3
17.5°	3922.3	3913.7	3896.6	3883.7	3870.8	3868.7	3870.8
20°	3857.9	3849.3	3827.9	3819.3	3808.6	3808.6	3804.3
22.5°	3793.5	3784.9	3765.7	3759.2	3744.2	3744.2	3746.3
25°	3727.0	3720.6	3699.1	3694.9	3692.7	3684.1	3688.4
27.5°	3636.9	3632.6	3615.5	3609.0	3600.4	3598.3	3602.6
30°	3471.7	3465.2	3452.4	3446.0	3431.0	3433.1	3437.3
32.5°	3265.7	3257.2	3239.9	3233.5	3220.7	3216.4	3218.5
35°	3008.3	3001.8	2986.8	2986.8	2973.9	2969.6	2973.9
37.5°	2746.5	2752.9	2746.5	2752.9	2746.5	2744.3	2746.5
40°	2499.7	2523.3	2527.6	2551.2	2542.7	2555.5	2553.4
42.5°	2263.7	2302.3	2317.4	2336.6	2332.4	2340.9	2347.4
45°	2025.5	2057.7	2072.7	2085.6	2087.7	2092.1	2094.2
47.5°	1800.2	1826.0	1828.1	1843.1	1841.0	1841.0	1847.4
50°	1590.0	1607.1	1611.4	1622.1	1613.6	1609.2	1611.4
52.5°	1394.7	1411.8	1407.5	1411.8	1401.2	1396.8	1399.0
55°	1195.1	1203.7	1203.7	1203.7	1190.9	1190.9	1190.9
57.5°	991.3	993.5	989.2	991.3	989.2	976.3	974.1
60°	804.7	804.7	802.5	804.7	798.2	791.8	791.8
62.5°	628.6	633.0	641.5	633.0	628.6	633.0	626.5
65°	469.9	478.5	476.3	480.6	478.5	478.5	474.2
67.5°	354.1	356.2	358.3	360.5	360.5	360.5	360.5
70°	259.7	266.1	263.9	263.9	263.9	263.9	276.8
72.5°	173.8	182.4	180.3	184.5	184.5	188.8	184.5
75°	118.0	126.6	122.3	128.8	126.6	122.3	133.0
77.5°	79.4	83.7	85.8	88.0	85.8	83.7	85.8
80°	55.8	60.1	57.9	60.1	60.1	60.1	62.3
82.5°	34.4	40.8	38.6	40.8	38.6	40.8	40.8
85°	23.6	25.8	21.5	25.8	23.6	23.6	27.9
87.5°	15.0	12.9	12.9	15.0	12.9	15.0	12.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)