

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: P248969

Luminaire Tested: **LD8B100D010 ER8B100930 8LBSW0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248969
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 ER8B100930 8LBSW0B
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
97 CRI 3000 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6862.8 lumens
Efficiency: N/A
Efficacy: 64.6 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.23 / 1.15
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

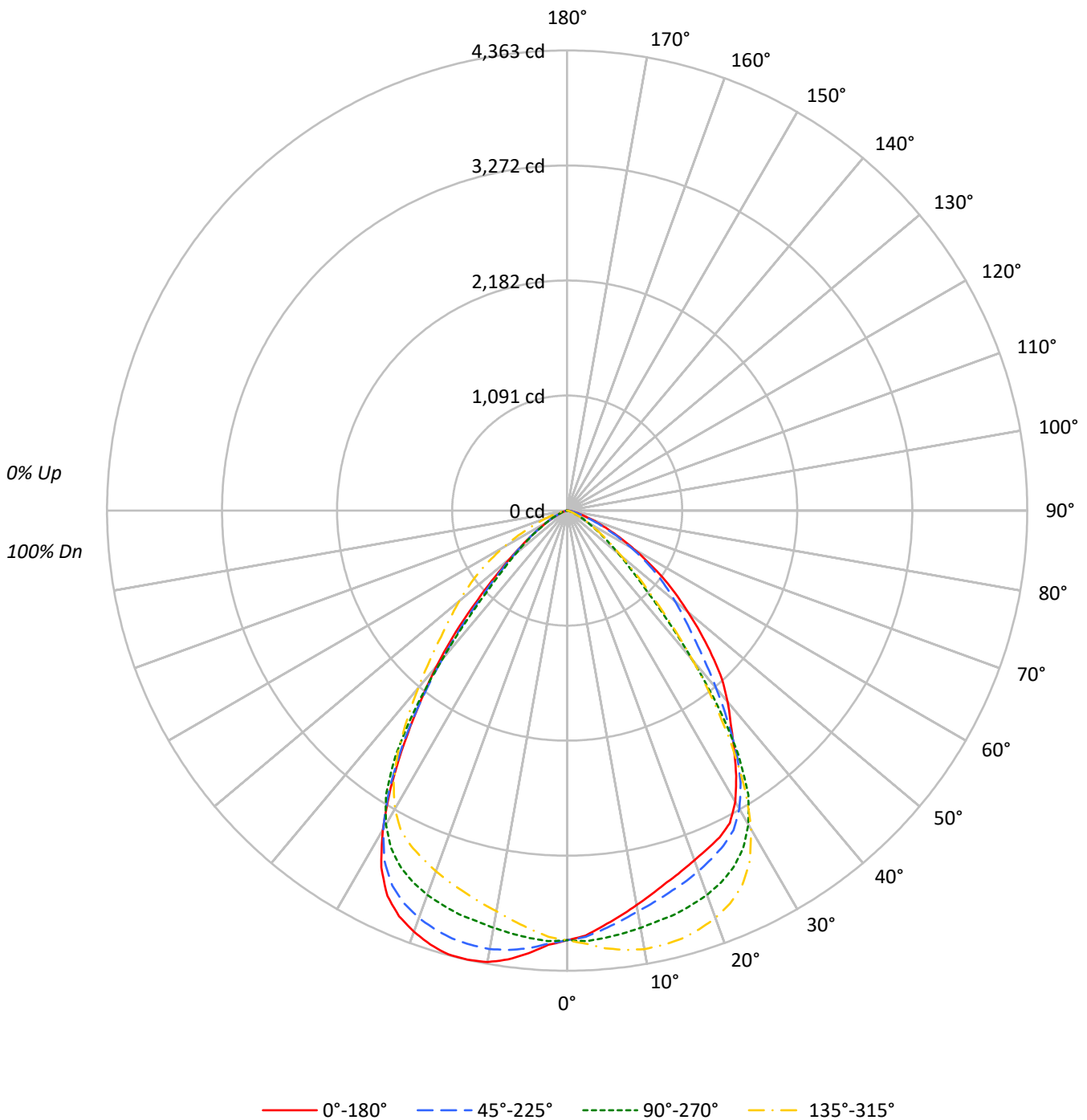
Input Watts (W): 106.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	Luminaire represents a point source (luminous area is zero).			
5°	No luminance values can be calculated.			
10°				
15°				
20°				
25°				
30°				
35°				
40°				
45°				
50°				
55°				
60°				
65°				
70°				
75°				
80°				
85°				



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	387.8	5.7
10°-20°	1123.0	16.4
20°-30°	1700.4	24.8
30°-40°	1704.2	24.8
40°-50°	1070.2	15.6
50°-60°	570.3	8.3
60°-70°	234.5	3.4
70°-80°	62.0	0.9
80°-90°	10.5	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°	3211.2	46.8
0°-40°	4915.4	71.6
0°-60°	6555.8	95.5
0°-90°	6862.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6862.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4074	4074	4074	4074	4074	
5°	3951	4068	4214	4068	3951	373
15°	3650	3963	4357	3963	3650	1032
25°	3420	3732	4032	3732	3420	1568
35°	2757	2835	2690	2835	2757	1727
45°	1942	1038	1202	1038	1942	1493
55°	1104	384	406	384	1104	984
65°	440	117	107	117	440	456
75°	123	24	20	24	123	140
85°	26	0	2	0	26	28
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°	4074.2	4074.2	4074.2	4074.2	4074.2	4074.2	4074.2	4074.2	4074.2	4074.2	4074.2
2.5°	4032.5	4028.4	4026.5	4030.4	4032.5	4040.4	4038.4	4042.3	4042.3	4044.3	4048.4
5°	3950.9	3948.8	3950.9	3950.9	3958.8	3966.8	3964.8	3970.8	3974.7	3984.7	3988.6
7.5°	3875.3	3875.3	3873.3	3881.2	3885.2	3897.2	3895.1	3905.1	3911.1	3921.0	3934.9
10°	3797.7	3797.7	3799.6	3805.6	3807.7	3825.5	3825.5	3839.4	3847.4	3857.4	3875.3
12.5°	3722.1	3722.1	3734.1	3730.0	3738.0	3751.9	3757.9	3771.8	3783.7	3803.7	3821.6
15°	3650.4	3650.4	3654.5	3664.3	3670.4	3688.3	3698.2	3714.2	3728.1	3748.0	3773.8
17.5°	3588.8	3586.9	3588.8	3600.8	3612.8	3628.6	3636.5	3656.5	3670.4	3696.3	3720.2
20°	3527.1	3531.2	3531.2	3541.0	3549.0	3568.9	3576.9	3598.7	3614.7	3638.5	3666.5
22.5°	3473.4	3471.5	3471.5	3485.4	3491.4	3509.2	3517.1	3537.1	3555.0	3574.9	3600.8
25°	3419.7	3415.7	3423.8	3425.7	3429.6	3449.5	3455.5	3469.4	3487.3	3505.3	3531.2
27.5°	3340.1	3336.2	3338.1	3346.1	3352.1	3367.9	3372.0	3385.9	3399.8	3415.7	3437.7
30°	3186.9	3183.0	3181.1	3195.0	3200.9	3212.8	3218.7	3242.7	3246.6	3264.6	3280.4
32.5°	2984.0	2982.1	2986.0	2997.9	3003.9	3019.9	3027.8	3041.7	3051.6	3061.7	3077.5
35°	2757.3	2753.3	2757.3	2769.2	2769.2	2783.1	2789.2	2795.0	2793.1	2795.0	2791.1
37.5°	2546.5	2544.3	2546.5	2552.3	2546.5	2552.3	2546.5	2534.5	2512.6	2488.7	2464.7
40°	2367.3	2369.3	2357.5	2365.4	2343.5	2339.5	2317.7	2287.7	2244.0	2196.3	2128.7
42.5°	2176.4	2170.4	2162.5	2166.4	2148.5	2134.5	2098.7	2061.0	2005.2	1925.8	1844.2
45°	1941.6	1939.7	1935.6	1933.7	1921.7	1907.8	1877.9	1834.2	1772.5	1691.0	1593.5
47.5°	1712.9	1706.8	1706.8	1708.9	1695.0	1692.9	1669.1	1631.3	1577.6	1498.0	1396.5
50°	1494.0	1492.1	1496.0	1503.9	1494.0	1490.0	1474.1	1448.3	1400.6	1332.9	1237.4
52.5°	1297.0	1295.1	1299.1	1309.0	1305.0	1309.0	1293.1	1273.2	1241.4	1175.7	1092.2
55°	1104.1	1104.1	1104.1	1116.0	1116.0	1116.0	1108.0	1096.2	1066.3	1018.5	941.0
57.5°	903.2	905.1	917.1	919.1	917.1	921.1	919.1	907.1	887.3	853.5	793.8
60°	734.1	734.1	740.1	746.0	744.0	746.0	746.0	740.1	720.1	692.3	644.6
62.5°	580.9	586.8	582.8	586.8	594.8	586.8	582.8	578.9	565.0	547.0	507.3
65°	439.7	443.7	443.7	445.6	441.6	443.7	435.7	429.7	421.8	401.9	376.0
67.5°	334.3	334.3	334.3	334.3	332.2	330.2	328.2	322.3	308.4	300.4	272.5
70°	256.6	244.7	244.7	244.7	244.7	246.7	240.8	232.8	228.8	214.9	194.9
72.5°	171.1	175.1	171.1	171.1	167.1	169.0	161.2	157.2	153.2	145.3	133.3
75°	123.3	113.4	117.4	119.4	113.4	117.4	109.4	101.5	101.5	95.5	89.5
77.5°	79.6	77.6	79.6	81.6	79.6	77.6	73.6	69.6	69.6	67.6	61.7
80°	57.7	55.7	55.7	55.7	53.7	55.7	51.8	51.8	47.8	45.7	41.8
82.5°	37.8	37.8	35.8	37.8	35.8	37.8	31.8	31.8	31.8	29.8	25.9
85°	25.9	21.9	21.9	23.9	19.8	23.9	21.9	19.8	17.9	17.9	15.9
87.5°	12.0	13.9	12.0	13.9	12.0	12.0	13.9	12.0	12.0	8.0	8.0
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°	4074.2	4074.2	4074.2	4074.2	4074.2	4074.2	4074.2	4074.2	4074.2	4074.2	4074.2
2.5°	4054.3	4056.2	4056.2	4064.3	4068.2	4070.2	4070.2	4086.2	4080.2	4084.1	4088.2
5°	3996.7	4008.6	4012.5	4012.5	4034.4	4042.3	4050.3	4068.2	4070.2	4082.1	4096.0
7.5°	3940.9	3954.8	3962.8	3980.7	3994.6	4008.6	4032.5	4044.3	4056.2	4072.3	4090.1
10°	3887.2	3903.1	3919.0	3932.9	3954.8	3972.7	3988.6	4016.4	4030.4	4052.3	4076.2
12.5°	3835.5	3857.4	3871.3	3895.1	3919.0	3934.9	3958.8	3984.7	4006.6	4028.4	4056.2
15°	3789.8	3815.7	3831.5	3857.4	3883.3	3905.1	3931.0	3962.8	3978.8	4004.5	4030.4
17.5°	3740.0	3767.9	3787.7	3811.6	3843.5	3867.3	3889.2	3921.0	3940.9	3968.8	3998.6
20°	3688.3	3716.1	3740.0	3763.9	3795.7	3819.6	3845.4	3877.3	3899.2	3927.0	3950.9
22.5°	3626.7	3652.6	3678.3	3706.1	3738.0	3757.9	3787.7	3815.7	3839.4	3865.3	3889.2
25°	3547.1	3578.9	3598.7	3624.5	3650.4	3672.3	3704.1	3732.0	3751.9	3775.9	3797.7
27.5°	3453.6	3477.5	3493.4	3515.2	3541.0	3561.0	3584.7	3612.8	3632.6	3654.5	3670.4
30°	3294.4	3316.3	3330.2	3346.1	3372.0	3389.9	3409.7	3435.6	3449.5	3465.5	3479.4
32.5°	3085.4	3103.4	3111.3	3123.3	3141.3	3159.1	3175.0	3196.9	3202.9	3212.8	3212.8
35°	2783.1	2787.0	2785.1	2789.2	2797.1	2807.0	2820.9	2834.8	2842.7	2842.7	2836.9
37.5°	2429.0	2405.2	2379.3	2359.4	2353.4	2349.4	2357.5	2363.3	2371.4	2375.3	2365.4
40°	2061.0	2007.3	1949.5	1897.9	1862.0	1846.2	1840.1	1844.2	1844.2	1858.1	1858.1
42.5°	1744.7	1661.1	1575.6	1498.0	1446.2	1406.5	1388.6	1388.6	1390.6	1400.6	1406.5
45°	1482.1	1376.6	1277.2	1191.6	1120.0	1068.2	1044.4	1038.5	1036.5	1040.4	1054.3
47.5°	1281.2	1171.8	1068.2	962.8	887.3	835.6	813.7	805.7	797.7	805.7	807.7
50°	1124.0	1010.6	901.2	795.8	716.2	670.4	642.6	630.6	628.7	628.7	632.6
52.5°	980.8	875.4	766.0	658.5	575.0	531.1	505.3	499.3	491.3	499.3	499.3
55°	845.5	740.1	632.6	531.1	461.5	415.8	391.9	383.9	379.9	386.0	386.0
57.5°	698.3	608.7	509.3	417.8	348.2	316.3	298.4	288.4	286.4	290.5	286.4
60°	572.9	497.4	411.7	328.2	274.5	240.8	226.8	222.9	218.8	222.9	222.9
62.5°	453.6	389.9	320.3	256.6	210.9	187.0	171.1	171.1	169.0	169.0	171.1
65°	336.2	286.4	236.8	183.1	147.2	129.3	117.4	117.4	115.4	117.4	115.4
67.5°	244.7	210.9	171.1	133.3	105.5	95.5	87.6	81.6	85.5	81.6	79.6
70°	179.0	151.1	123.3	101.5	81.6	71.6	65.7	63.7	59.6	59.6	59.6
72.5°	119.4	101.5	83.5	65.7	53.7	43.7	41.8	37.8	33.9	35.8	39.8
75°	79.6	67.6	59.6	47.8	35.8	35.8	23.9	23.9	19.8	23.9	17.9
77.5°	55.7	45.7	35.8	29.8	23.9	21.9	15.9	15.9	13.9	13.9	13.9
80°	39.8	33.9	25.9	21.9	15.9	15.9	13.9	12.0	9.9	9.9	12.0
82.5°	23.9	17.9	17.9	15.9	9.9	8.0	5.9	8.0	4.0	4.0	4.0
85°	13.9	12.0	9.9	5.9	4.0	4.0	2.0	0.0	2.0	2.0	0.0
87.5°	8.0	4.0	4.0	2.0	0.0	2.0	2.0	0.0	0.0	0.0	4.0
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	4074.2	4074.2	4074.2	4074.2	4074.2	4074.2	4074.2	4074.2	4074.2	4074.2	4074.2
2.5°	4098.2	4096.0	4100.1	4100.1	4112.1	4110.0	4116.0	4116.0	4112.1	4114.0	4121.9
5°	4112.1	4118.0	4129.9	4139.9	4157.7	4165.7	4175.6	4185.7	4187.6	4193.5	4199.6
7.5°	4112.1	4131.9	4145.9	4163.7	4187.6	4201.5	4223.4	4241.3	4249.3	4259.1	4271.1
10°	4104.0	4123.9	4149.8	4169.7	4199.6	4221.5	4243.3	4271.1	4283.1	4298.9	4315.0
12.5°	4088.2	4110.0	4137.8	4163.7	4197.5	4217.4	4245.2	4271.1	4289.1	4310.9	4328.9
15°	4064.3	4090.1	4116.0	4141.9	4177.6	4201.5	4227.4	4257.2	4275.2	4298.9	4315.0
17.5°	4026.5	4054.3	4078.2	4102.1	4135.8	4163.7	4187.6	4215.4	4233.3	4253.3	4275.2
20°	3980.7	4006.6	4032.5	4052.3	4086.2	4110.0	4135.8	4161.7	4175.6	4179.6	4213.5
22.5°	3923.1	3940.9	3960.8	3992.7	4012.5	4034.4	4058.4	4082.1	4096.0	4118.0	4129.9
25°	3827.5	3845.4	3867.3	3881.2	3905.1	3923.1	3946.9	3972.7	3980.7	3996.7	4008.6
27.5°	3694.3	3704.1	3714.2	3726.0	3740.0	3750.0	3763.9	3775.9	3783.7	3791.7	3799.6
30°	3483.3	3483.3	3483.3	3475.4	3481.4	3487.3	3489.3	3487.3	3487.3	3485.4	3485.4
32.5°	3204.8	3188.9	3171.0	3155.2	3149.1	3141.3	3137.2	3131.2	3121.3	3115.4	3117.3
35°	2828.8	2793.1	2771.2	2751.3	2735.4	2723.5	2717.5	2711.5	2709.6	2701.6	2693.5
37.5°	2359.4	2333.5	2317.7	2305.7	2291.8	2279.8	2281.8	2283.8	2289.8	2285.8	2287.7
40°	1862.0	1856.0	1862.0	1848.1	1844.2	1848.1	1858.1	1872.1	1879.9	1887.9	1901.8
42.5°	1416.4	1426.4	1440.4	1440.4	1446.2	1454.3	1466.2	1488.1	1499.9	1513.9	1529.8
45°	1066.3	1078.3	1096.2	1102.1	1106.1	1116.0	1130.0	1147.8	1155.8	1167.7	1181.6
47.5°	821.6	829.5	839.5	849.5	859.4	863.4	877.3	877.3	887.3	895.2	899.2
50°	640.5	648.5	656.5	662.4	666.4	672.4	676.4	682.4	684.3	688.3	690.3
52.5°	501.3	511.3	511.3	515.2	521.2	527.2	525.2	527.2	529.1	529.1	535.2
55°	391.9	391.9	397.8	397.8	401.9	399.9	401.9	401.9	401.9	401.9	403.9
57.5°	292.4	294.5	300.4	296.4	294.5	298.4	294.5	298.4	296.4	300.4	294.5
60°	224.8	224.8	226.8	226.8	228.8	228.8	228.8	226.8	226.8	224.8	224.8
62.5°	169.0	171.1	173.1	171.1	171.1	171.1	169.0	169.0	167.1	165.1	165.1
65°	113.4	111.4	115.4	111.4	113.4	113.4	111.4	113.4	107.4	109.4	107.4
67.5°	81.6	79.6	77.6	79.6	77.6	75.6	75.6	77.6	79.6	73.6	73.6
70°	53.7	55.7	53.7	55.7	57.7	57.7	55.7	53.7	55.7	51.8	53.7
72.5°	33.9	33.9	33.9	33.9	33.9	35.8	35.8	35.8	31.8	31.8	29.8
75°	15.9	21.9	17.9	15.9	21.9	21.9	19.8	19.8	17.9	17.9	17.9
77.5°	15.9	12.0	12.0	12.0	12.0	12.0	12.0	12.0	9.9	12.0	9.9
80°	8.0	8.0	8.0	5.9	8.0	8.0	9.9	8.0	8.0	5.9	9.9
82.5°	4.0	4.0	4.0	0.0	2.0	4.0	4.0	2.0	4.0	4.0	2.0
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: P248969

CATALOG NUMBER: LD8B100D010 ER8B100930 8LBSW0B

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	4074.2	4074.2	4074.2	4074.2	4074.2	4074.2	4074.2	4074.2	4074.2	4074.2	4074.2
2.5°	4120.0	4118.0	4120.0	4121.9	4120.0	4118.0	4120.0	4121.9	4114.0	4112.1	4116.0
5°	4207.6	4207.6	4211.5	4213.5	4211.5	4207.6	4207.6	4199.6	4193.5	4187.6	4185.7
7.5°	4283.1	4287.2	4291.1	4293.0	4291.1	4287.2	4283.1	4271.1	4259.1	4249.3	4241.3
10°	4328.9	4334.8	4342.8	4346.7	4342.8	4334.8	4328.9	4315.0	4298.9	4283.1	4271.1
12.5°	4348.8	4354.7	4364.6	4362.7	4364.6	4354.7	4348.8	4328.9	4310.9	4289.1	4271.1
15°	4334.8	4342.8	4352.7	4356.7	4352.7	4342.8	4334.8	4315.0	4298.9	4275.2	4257.2
17.5°	4291.1	4303.0	4309.0	4315.0	4309.0	4303.0	4291.1	4275.2	4253.3	4233.3	4215.4
20°	4231.3	4239.4	4247.4	4249.3	4247.4	4239.4	4231.3	4213.5	4179.6	4175.6	4161.7
22.5°	4145.9	4151.8	4169.7	4163.7	4169.7	4151.8	4145.9	4129.9	4118.0	4096.0	4082.1
25°	4022.5	4028.4	4030.4	4032.5	4030.4	4028.4	4022.5	4008.6	3996.7	3980.7	3972.7
27.5°	3809.6	3809.6	3813.5	3815.7	3813.5	3809.6	3809.6	3799.6	3791.7	3783.7	3775.9
30°	3487.3	3487.3	3487.3	3497.3	3487.3	3487.3	3487.3	3485.4	3485.4	3487.3	3487.3
32.5°	3115.4	3111.3	3107.4	3111.3	3107.4	3111.3	3115.4	3117.3	3115.4	3121.3	3131.2
35°	2693.5	2691.6	2697.6	2689.6	2697.6	2691.6	2693.5	2693.5	2701.6	2709.6	2711.5
37.5°	2289.8	2285.8	2293.7	2285.8	2293.7	2285.8	2289.8	2287.7	2285.8	2289.8	2283.8
40°	1905.8	1909.7	1909.7	1925.8	1909.7	1909.7	1905.8	1901.8	1887.9	1879.9	1872.1
42.5°	1537.8	1549.8	1545.7	1557.6	1545.7	1549.8	1537.8	1529.8	1513.9	1499.9	1488.1
45°	1189.6	1197.7	1197.7	1201.6	1197.7	1197.7	1189.6	1181.6	1167.7	1155.8	1147.8
47.5°	913.1	913.1	913.1	915.2	913.1	913.1	913.1	899.2	895.2	887.3	877.3
50°	694.3	696.3	698.3	700.3	698.3	696.3	694.3	690.3	688.3	684.3	682.4
52.5°	533.1	535.2	531.1	535.2	531.1	535.2	533.1	535.2	529.1	529.1	527.2
55°	403.9	401.9	403.9	405.8	403.9	401.9	403.9	403.9	401.9	401.9	401.9
57.5°	296.4	292.4	292.4	292.4	292.4	292.4	296.4	294.5	300.4	296.4	298.4
60°	220.8	222.9	222.9	224.8	222.9	222.9	220.8	224.8	224.8	226.8	226.8
62.5°	163.1	169.0	165.1	169.0	165.1	169.0	163.1	165.1	165.1	167.1	169.0
65°	105.5	105.5	105.5	107.4	105.5	105.5	105.5	107.4	109.4	107.4	113.4
67.5°	71.6	73.6	77.6	75.6	77.6	73.6	71.6	73.6	73.6	79.6	77.6
70°	57.7	51.8	51.8	57.7	51.8	51.8	57.7	53.7	51.8	55.7	53.7
72.5°	33.9	29.8	33.9	33.9	33.9	29.8	33.9	29.8	31.8	31.8	35.8
75°	17.9	15.9	13.9	19.8	13.9	15.9	17.9	17.9	17.9	17.9	19.8
77.5°	12.0	9.9	13.9	13.9	13.9	9.9	12.0	9.9	12.0	9.9	12.0
80°	5.9	8.0	5.9	9.9	5.9	8.0	5.9	9.9	5.9	8.0	8.0
82.5°	2.0	4.0	4.0	4.0	4.0	4.0	2.0	2.0	4.0	4.0	2.0
85°	0.0	4.0	2.0	2.0	2.0	4.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.0	0.0	0.0	2.0	0.0	0.0	2.0	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: P248969

CATALOG NUMBER: LD8B100D010 ER8B100930 8LBSW0B

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	4074.2	4074.2	4074.2	4074.2	4074.2	4074.2	4074.2	4074.2	4074.2	4074.2	4074.2
2.5°	4116.0	4110.0	4112.1	4100.1	4100.1	4096.0	4098.2	4088.2	4084.1	4080.2	4086.2
5°	4175.6	4165.7	4157.7	4139.9	4129.9	4118.0	4112.1	4096.0	4082.1	4070.2	4068.2
7.5°	4223.4	4201.5	4187.6	4163.7	4145.9	4131.9	4112.1	4090.1	4072.3	4056.2	4044.3
10°	4243.3	4221.5	4199.6	4169.7	4149.8	4123.9	4104.0	4076.2	4052.3	4030.4	4016.4
12.5°	4245.2	4217.4	4197.5	4163.7	4137.8	4110.0	4088.2	4056.2	4028.4	4006.6	3984.7
15°	4227.4	4201.5	4177.6	4141.9	4116.0	4090.1	4064.3	4030.4	4004.5	3978.8	3962.8
17.5°	4187.6	4163.7	4135.8	4102.1	4078.2	4054.3	4026.5	3998.6	3968.8	3940.9	3921.0
20°	4135.8	4110.0	4086.2	4052.3	4032.5	4006.6	3980.7	3950.9	3927.0	3899.2	3877.3
22.5°	4058.4	4034.4	4012.5	3992.7	3960.8	3940.9	3923.1	3889.2	3865.3	3839.4	3815.7
25°	3946.9	3923.1	3905.1	3881.2	3867.3	3845.4	3827.5	3797.7	3775.9	3751.9	3732.0
27.5°	3763.9	3750.0	3740.0	3726.0	3714.2	3704.1	3694.3	3670.4	3654.5	3632.6	3612.8
30°	3489.3	3487.3	3481.4	3475.4	3483.3	3483.3	3483.3	3479.4	3465.5	3449.5	3435.6
32.5°	3137.2	3141.3	3149.1	3155.2	3171.0	3188.9	3204.8	3212.8	3212.8	3202.9	3196.9
35°	2717.5	2723.5	2735.4	2751.3	2771.2	2793.1	2828.8	2836.9	2842.7	2842.7	2834.8
37.5°	2281.8	2279.8	2291.8	2305.7	2317.7	2333.5	2359.4	2365.4	2375.3	2371.4	2363.3
40°	1858.1	1848.1	1844.2	1848.1	1862.0	1856.0	1862.0	1858.1	1858.1	1844.2	1844.2
42.5°	1466.2	1454.3	1446.2	1440.4	1440.4	1426.4	1416.4	1406.5	1400.6	1390.6	1388.6
45°	1130.0	1116.0	1106.1	1102.1	1096.2	1078.3	1066.3	1054.3	1040.4	1036.5	1038.5
47.5°	877.3	863.4	859.4	849.5	839.5	829.5	821.6	807.7	805.7	797.7	805.7
50°	676.4	672.4	666.4	662.4	656.5	648.5	640.5	632.6	628.7	628.7	630.6
52.5°	525.2	527.2	521.2	515.2	511.3	511.3	501.3	499.3	499.3	491.3	499.3
55°	401.9	399.9	401.9	397.8	397.8	391.9	391.9	386.0	386.0	379.9	383.9
57.5°	294.5	298.4	294.5	296.4	300.4	294.5	292.4	286.4	290.5	286.4	288.4
60°	228.8	228.8	228.8	226.8	226.8	224.8	224.8	222.9	222.9	218.8	222.9
62.5°	169.0	171.1	171.1	171.1	173.1	171.1	169.0	171.1	169.0	169.0	171.1
65°	111.4	113.4	113.4	111.4	115.4	111.4	113.4	115.4	117.4	115.4	117.4
67.5°	75.6	75.6	77.6	79.6	77.6	79.6	81.6	79.6	81.6	85.5	81.6
70°	55.7	57.7	57.7	55.7	53.7	55.7	53.7	59.6	59.6	59.6	63.7
72.5°	35.8	35.8	33.9	33.9	33.9	33.9	33.9	39.8	35.8	33.9	37.8
75°	19.8	21.9	21.9	15.9	17.9	21.9	15.9	17.9	23.9	19.8	23.9
77.5°	12.0	12.0	12.0	12.0	12.0	12.0	15.9	13.9	13.9	13.9	15.9
80°	9.9	8.0	8.0	5.9	8.0	8.0	8.0	12.0	9.9	9.9	12.0
82.5°	4.0	4.0	2.0	0.0	4.0	4.0	4.0	4.0	4.0	4.0	8.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	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: P248969

CATALOG NUMBER: LD8B100D010 ER8B100930 8LBSW0B

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	4074.2	4074.2	4074.2	4074.2	4074.2	4074.2	4074.2	4074.2	4074.2	4074.2	4074.2
2.5°	4070.2	4070.2	4068.2	4064.3	4056.2	4056.2	4054.3	4048.4	4044.3	4042.3	4042.3
5°	4050.3	4042.3	4034.4	4012.5	4012.5	4008.6	3996.7	3988.6	3984.7	3974.7	3970.8
7.5°	4032.5	4008.6	3994.6	3980.7	3962.8	3954.8	3940.9	3934.9	3921.0	3911.1	3905.1
10°	3988.6	3972.7	3954.8	3932.9	3919.0	3903.1	3887.2	3875.3	3857.4	3847.4	3839.4
12.5°	3958.8	3934.9	3919.0	3895.1	3871.3	3857.4	3835.5	3821.6	3803.7	3783.7	3771.8
15°	3931.0	3905.1	3883.3	3857.4	3831.5	3815.7	3789.8	3773.8	3748.0	3728.1	3714.2
17.5°	3889.2	3867.3	3843.5	3811.6	3787.7	3767.9	3740.0	3720.2	3696.3	3670.4	3656.5
20°	3845.4	3819.6	3795.7	3763.9	3740.0	3716.1	3688.3	3666.5	3638.5	3614.7	3598.7
22.5°	3787.7	3757.9	3738.0	3706.1	3678.3	3652.6	3626.7	3600.8	3574.9	3555.0	3537.1
25°	3704.1	3672.3	3650.4	3624.5	3598.7	3578.9	3547.1	3531.2	3505.3	3487.3	3469.4
27.5°	3584.7	3561.0	3541.0	3515.2	3493.4	3477.5	3453.6	3437.7	3415.7	3399.8	3385.9
30°	3409.7	3389.9	3372.0	3346.1	3330.2	3316.3	3294.4	3280.4	3264.6	3246.6	3242.7
32.5°	3175.0	3159.1	3141.3	3123.3	3111.3	3103.4	3085.4	3077.5	3061.7	3051.6	3041.7
35°	2820.9	2807.0	2797.1	2789.2	2785.1	2787.0	2783.1	2791.1	2795.0	2793.1	2795.0
37.5°	2357.5	2349.4	2353.4	2359.4	2379.3	2405.2	2429.0	2464.7	2488.7	2512.6	2534.5
40°	1840.1	1846.2	1862.0	1897.9	1949.5	2007.3	2061.0	2128.7	2196.3	2244.0	2287.7
42.5°	1388.6	1406.5	1446.2	1498.0	1575.6	1661.1	1744.7	1844.2	1925.8	2005.2	2061.0
45°	1044.4	1068.2	1120.0	1191.6	1277.2	1376.6	1482.1	1593.5	1691.0	1772.5	1834.2
47.5°	813.7	835.6	887.3	962.8	1068.2	1171.8	1281.2	1396.5	1498.0	1577.6	1631.3
50°	642.6	670.4	716.2	795.8	901.2	1010.6	1124.0	1237.4	1332.9	1400.6	1448.3
52.5°	505.3	531.1	575.0	658.5	766.0	875.4	980.8	1092.2	1175.7	1241.4	1273.2
55°	391.9	415.8	461.5	531.1	632.6	740.1	845.5	941.0	1018.5	1066.3	1096.2
57.5°	298.4	316.3	348.2	417.8	509.3	608.7	698.3	793.8	853.5	887.3	907.1
60°	226.8	240.8	274.5	328.2	411.7	497.4	572.9	644.6	692.3	720.1	740.1
62.5°	171.1	187.0	210.9	256.6	320.3	389.9	453.6	507.3	547.0	565.0	578.9
65°	117.4	129.3	147.2	183.1	236.8	286.4	336.2	376.0	401.9	421.8	429.7
67.5°	87.6	95.5	105.5	133.3	171.1	210.9	244.7	272.5	300.4	308.4	322.3
70°	65.7	71.6	81.6	101.5	123.3	151.1	179.0	194.9	214.9	228.8	232.8
72.5°	41.8	43.7	53.7	65.7	83.5	101.5	119.4	133.3	145.3	153.2	157.2
75°	23.9	35.8	35.8	47.8	59.6	67.6	79.6	89.5	95.5	101.5	101.5
77.5°	15.9	21.9	23.9	29.8	35.8	45.7	55.7	61.7	67.6	69.6	69.6
80°	13.9	15.9	15.9	21.9	25.9	33.9	39.8	41.8	45.7	47.8	51.8
82.5°	5.9	8.0	9.9	15.9	17.9	17.9	23.9	25.9	29.8	31.8	31.8
85°	2.0	4.0	4.0	5.9	9.9	12.0	13.9	15.9	17.9	17.9	19.8
87.5°	2.0	2.0	0.0	2.0	4.0	4.0	8.0	8.0	8.0	12.0	12.0
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: P248969

CATALOG NUMBER: LD8B100D010 ER8B100930 8LBSW0B

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	4074.2	4074.2	4074.2	4074.2	4074.2	4074.2	4074.2
2.5°	4038.4	4040.4	4032.5	4030.4	4026.5	4028.4	4032.5
5°	3964.8	3966.8	3958.8	3950.9	3950.9	3948.8	3950.9
7.5°	3895.1	3897.2	3885.2	3881.2	3873.3	3875.3	3875.3
10°	3825.5	3825.5	3807.7	3805.6	3799.6	3797.7	3797.7
12.5°	3757.9	3751.9	3738.0	3730.0	3734.1	3722.1	3722.1
15°	3698.2	3688.3	3670.4	3664.3	3654.5	3650.4	3650.4
17.5°	3636.5	3628.6	3612.8	3600.8	3588.8	3586.9	3588.8
20°	3576.9	3568.9	3549.0	3541.0	3531.2	3531.2	3527.1
22.5°	3517.1	3509.2	3491.4	3485.4	3471.5	3471.5	3473.4
25°	3455.5	3449.5	3429.6	3425.7	3423.8	3415.7	3419.7
27.5°	3372.0	3367.9	3352.1	3346.1	3338.1	3336.2	3340.1
30°	3218.7	3212.8	3200.9	3195.0	3181.1	3183.0	3186.9
32.5°	3027.8	3019.9	3003.9	2997.9	2986.0	2982.1	2984.0
35°	2789.2	2783.1	2769.2	2769.2	2757.3	2753.3	2757.3
37.5°	2546.5	2552.3	2546.5	2552.3	2546.5	2544.3	2546.5
40°	2317.7	2339.5	2343.5	2365.4	2357.5	2369.3	2367.3
42.5°	2098.7	2134.5	2148.5	2166.4	2162.5	2170.4	2176.4
45°	1877.9	1907.8	1921.7	1933.7	1935.6	1939.7	1941.6
47.5°	1669.1	1692.9	1695.0	1708.9	1706.8	1706.8	1712.9
50°	1474.1	1490.0	1494.0	1503.9	1496.0	1492.1	1494.0
52.5°	1293.1	1309.0	1305.0	1309.0	1299.1	1295.1	1297.0
55°	1108.0	1116.0	1116.0	1116.0	1104.1	1104.1	1104.1
57.5°	919.1	921.1	917.1	919.1	917.1	905.1	903.2
60°	746.0	746.0	744.0	746.0	740.1	734.1	734.1
62.5°	582.8	586.8	594.8	586.8	582.8	586.8	580.9
65°	435.7	443.7	441.6	445.6	443.7	443.7	439.7
67.5°	328.2	330.2	332.2	334.3	334.3	334.3	334.3
70°	240.8	246.7	244.7	244.7	244.7	244.7	256.6
72.5°	161.2	169.0	167.1	171.1	171.1	175.1	171.1
75°	109.4	117.4	113.4	119.4	117.4	113.4	123.3
77.5°	73.6	77.6	79.6	81.6	79.6	77.6	79.6
80°	51.8	55.7	53.7	55.7	55.7	55.7	57.7
82.5°	31.8	37.8	35.8	37.8	35.8	37.8	37.8
85°	21.9	23.9	19.8	23.9	21.9	21.9	25.9
87.5°	13.9	12.0	12.0	13.9	12.0	13.9	12.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)