

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: P248960

Luminaire Tested: **LD8B100D010 ER8B1009727 8LBSW0B**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P248960  
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 ER8B1009727 8LBSW0B  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
97 CRI 2700 CCT WITH SPECULAR BLACK TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5787.0 lumens  
Efficiency: N/A  
Efficacy: 54.4 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

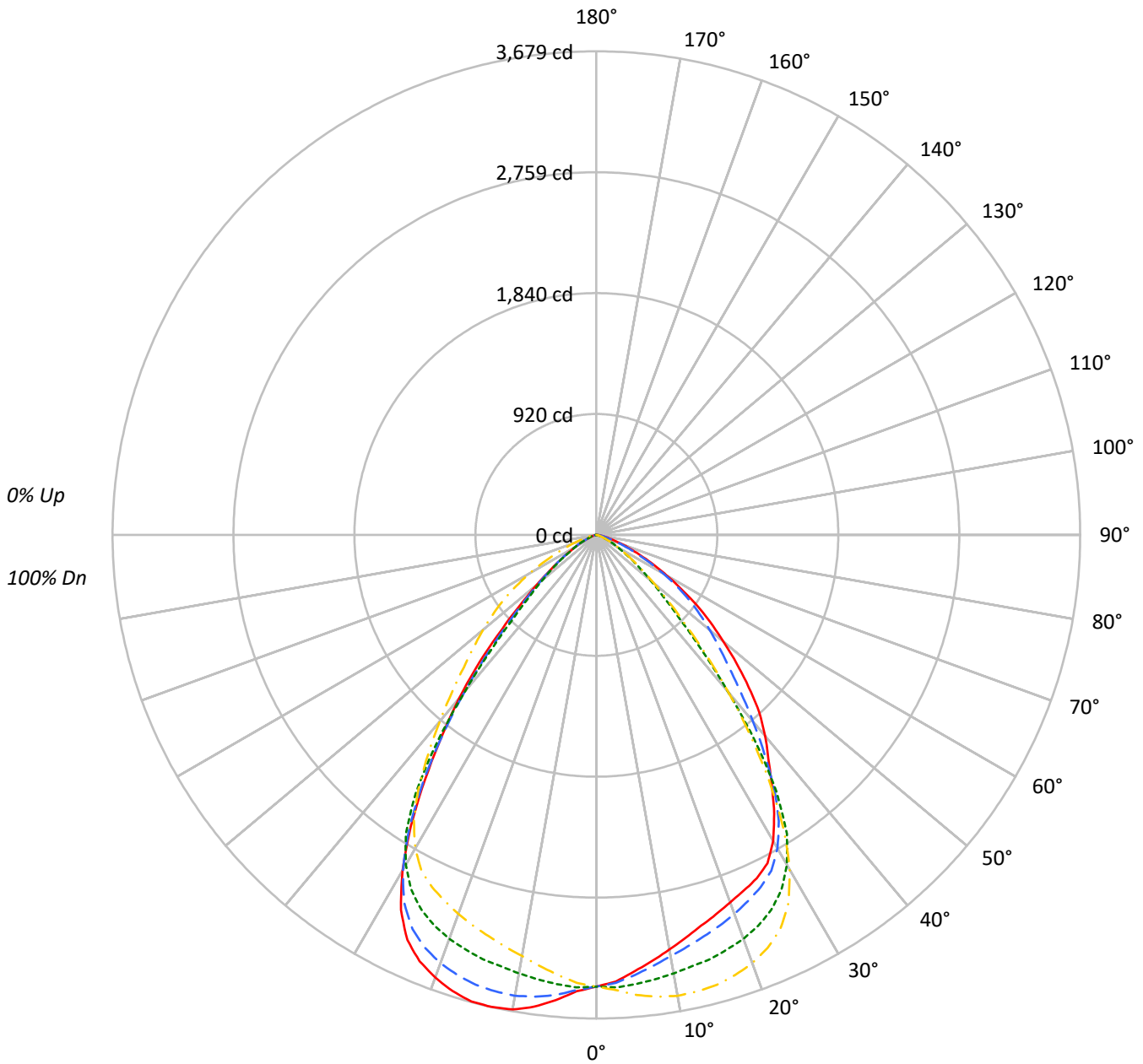
Input Watts (W): 106.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P248960

CATALOG NUMBER: LD8B100D010 ER8B1009727 8LBSW0B

### Luminous Intensity Polar Plot



— 0°-180°    - - 45°-225°    - - - 90°-270°    - - - 135°-315°



TEST NUMBER: P248960

CATALOG NUMBER: LD8B100D010 ER8B1009727 8LBSW0B

**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°				



TEST NUMBER: P248960

CATALOG NUMBER: LD8B100D010 ER8B1009727 8LBSW0B

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	327.0	5.7
10°-20°	946.9	16.4
20°-30°	1433.9	24.8
30°-40°	1437.1	24.8
40°-50°	902.4	15.6
50°-60°	480.9	8.3
60°-70°	197.8	3.4
70°-80°	52.2	0.9
80°-90°	8.8	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°	2707.8	46.8
0°-40°	4144.9	71.6
0°-60°	5528.2	95.5
0°-90°	5787.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5787.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3436	3436	3436	3436	3436	
5°	3332	3430	3553	3430	3332	314
15°	3078	3342	3674	3342	3078	871
25°	2884	3147	3400	3147	2884	1323
35°	2325	2390	2268	2390	2325	1457
45°	1637	876	1013	876	1637	1259
55°	931	324	342	324	931	830
65°	371	99	91	99	371	385
75°	104	20	17	20	104	118
85°	22	0	2	0	22	24
90°	0	0	0	0	0	



TEST NUMBER: P248960

CATALOG NUMBER: LD8B100D010 ER8B1009727 8LBSW0B

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	3435.6	3435.6	3435.6	3435.6	3435.6	3435.6	3435.6	3435.6	3435.6	3435.6	3435.6
2.5°	3400.3	3397.0	3395.3	3398.7	3400.3	3407.0	3405.4	3408.7	3408.7	3410.4	3413.7
5°	3331.6	3329.8	3331.6	3331.6	3338.3	3345.0	3343.3	3348.4	3351.7	3360.1	3363.4
7.5°	3267.8	3267.8	3266.1	3272.8	3276.2	3286.3	3284.6	3293.0	3298.0	3306.4	3318.1
10°	3202.4	3202.4	3204.0	3209.1	3210.8	3225.9	3225.9	3237.6	3244.3	3252.7	3267.8
12.5°	3138.7	3138.7	3148.7	3145.3	3152.0	3163.8	3168.8	3180.6	3190.6	3207.4	3222.5
15°	3078.2	3078.2	3081.6	3090.0	3095.0	3110.1	3118.5	3132.0	3143.7	3160.5	3182.3
17.5°	3026.2	3024.6	3026.2	3036.3	3046.4	3059.8	3066.5	3083.3	3095.0	3116.8	3137.0
20°	2974.2	2977.6	2977.6	2986.0	2992.7	3009.5	3016.2	3034.7	3048.1	3068.2	3091.7
22.5°	2929.0	2927.3	2927.3	2939.0	2944.1	2959.1	2965.8	2982.6	2997.7	3014.5	3036.3
25°	2883.7	2880.3	2887.0	2888.7	2892.0	2908.8	2913.8	2925.6	2940.7	2955.8	2977.6
27.5°	2816.5	2813.2	2814.9	2821.6	2826.6	2840.0	2843.4	2855.1	2866.9	2880.3	2898.8
30°	2687.4	2684.0	2682.4	2694.1	2699.2	2709.2	2714.2	2734.4	2737.7	2752.8	2766.2
32.5°	2516.3	2514.6	2518.0	2528.0	2533.0	2546.5	2553.2	2564.9	2573.3	2581.7	2595.1
35°	2325.1	2321.7	2325.1	2335.1	2335.1	2346.9	2351.9	2356.9	2355.2	2356.9	2353.6
37.5°	2147.3	2145.5	2147.3	2152.2	2147.3	2152.2	2147.3	2137.2	2118.7	2098.6	2078.4
40°	1996.3	1997.9	1987.9	1994.6	1976.1	1972.8	1954.3	1929.1	1892.3	1852.0	1795.0
42.5°	1835.2	1830.2	1823.5	1826.8	1811.8	1799.9	1769.8	1737.9	1690.9	1623.9	1555.0
45°	1637.3	1635.6	1632.2	1630.6	1620.5	1608.8	1583.5	1546.7	1494.7	1425.9	1343.7
47.5°	1444.3	1439.3	1439.3	1441.0	1429.2	1427.6	1407.4	1375.6	1330.3	1263.2	1177.6
50°	1259.8	1258.1	1261.5	1268.2	1259.8	1256.5	1243.1	1221.3	1181.0	1124.0	1043.4
52.5°	1093.7	1092.1	1095.4	1103.8	1100.4	1103.8	1090.4	1073.6	1046.8	991.4	921.0
55°	931.0	931.0	931.0	941.1	941.1	941.1	934.4	924.3	899.1	858.9	793.5
57.5°	761.6	763.3	773.3	775.0	773.3	776.7	775.0	764.9	748.2	719.7	669.4
60°	619.0	619.0	624.1	629.1	627.4	629.1	629.1	624.1	607.3	583.8	543.5
62.5°	489.8	494.9	491.5	494.9	501.6	494.9	491.5	488.2	476.4	461.3	427.8
65°	370.7	374.1	374.1	375.8	372.4	374.1	367.4	362.4	355.7	338.9	317.1
67.5°	281.9	281.9	281.9	281.9	280.1	278.5	276.8	271.8	260.0	253.3	229.8
70°	216.4	206.3	206.3	206.3	206.3	208.0	203.0	196.3	192.9	181.2	164.4
72.5°	144.2	147.6	144.2	144.2	140.9	142.6	135.9	132.5	129.2	122.5	112.4
75°	104.0	95.6	98.9	100.7	95.6	98.9	92.2	85.6	85.6	80.5	75.5
77.5°	67.1	65.5	67.1	68.8	67.1	65.5	62.1	58.7	58.7	57.0	52.0
80°	48.7	47.0	47.0	47.0	45.3	47.0	43.6	43.6	40.3	38.6	35.2
82.5°	31.9	31.9	30.2	31.9	30.2	31.9	26.9	26.9	26.9	25.1	21.8
85°	21.8	18.4	18.4	20.2	16.8	20.2	18.4	16.8	15.1	15.1	13.4
87.5°	10.1	11.7	10.1	11.7	10.1	10.1	11.7	10.1	10.1	6.7	6.7
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: P248960

CATALOG NUMBER: LD8B100D010 ER8B1009727 8LBSW0B

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	3435.6	3435.6	3435.6	3435.6	3435.6	3435.6	3435.6	3435.6	3435.6	3435.6	3435.6
2.5°	3418.8	3420.4	3420.4	3427.2	3430.5	3432.2	3432.2	3445.6	3440.6	3444.0	3447.3
5°	3370.2	3380.2	3383.6	3383.6	3402.0	3408.7	3415.4	3430.5	3432.2	3442.3	3454.0
7.5°	3323.1	3334.9	3341.7	3356.7	3368.4	3380.2	3400.3	3410.4	3420.4	3433.9	3449.0
10°	3277.9	3291.3	3304.7	3316.5	3334.9	3350.0	3363.4	3386.9	3398.7	3417.1	3437.2
12.5°	3234.3	3252.7	3264.5	3284.6	3304.7	3318.1	3338.3	3360.1	3378.5	3397.0	3420.4
15°	3195.7	3217.5	3230.9	3252.7	3274.5	3293.0	3314.8	3341.7	3355.0	3376.9	3398.7
17.5°	3153.7	3177.2	3194.0	3214.1	3241.0	3261.1	3279.6	3306.4	3323.1	3346.6	3371.8
20°	3110.1	3133.6	3153.7	3173.9	3200.7	3220.8	3242.6	3269.5	3287.9	3311.4	3331.6
22.5°	3058.1	3080.0	3101.7	3125.2	3152.0	3168.8	3194.0	3217.5	3237.6	3259.4	3279.6
25°	2991.0	3017.9	3034.7	3056.4	3078.2	3096.7	3123.5	3147.0	3163.8	3183.9	3202.4
27.5°	2912.2	2932.3	2945.7	2964.2	2986.0	3002.8	3022.9	3046.4	3063.2	3081.6	3095.0
30°	2777.9	2796.4	2808.2	2821.6	2843.4	2858.5	2875.3	2897.1	2908.8	2922.3	2934.0
32.5°	2601.8	2616.9	2623.6	2633.7	2648.8	2663.9	2677.3	2695.8	2700.8	2709.2	2709.2
35°	2346.9	2350.2	2348.5	2351.9	2358.6	2367.0	2378.7	2390.4	2397.1	2397.1	2392.2
37.5°	2048.2	2028.2	2006.3	1989.6	1984.5	1981.1	1987.9	1992.9	1999.6	2002.9	1994.6
40°	1737.9	1692.6	1644.0	1600.3	1570.2	1556.8	1551.7	1555.0	1555.0	1566.8	1566.8
42.5°	1471.2	1400.7	1328.6	1263.2	1219.5	1186.0	1170.9	1170.9	1172.6	1181.0	1186.0
45°	1249.8	1160.8	1076.9	1004.9	944.4	900.8	880.7	875.7	874.0	877.3	889.1
47.5°	1080.3	988.1	900.8	811.9	748.2	704.6	686.1	679.4	672.7	679.4	681.1
50°	947.8	852.2	759.9	671.0	603.9	565.3	541.8	531.7	530.1	530.1	533.5
52.5°	827.0	738.1	645.9	555.3	484.8	447.9	426.1	421.1	414.4	421.1	421.1
55°	712.9	624.1	533.5	447.9	389.2	350.6	330.5	323.8	320.4	325.4	325.4
57.5°	588.8	513.3	429.5	352.3	293.6	266.7	251.6	243.3	241.5	244.9	241.5
60°	483.1	419.4	347.2	276.8	231.5	203.0	191.3	187.9	184.5	187.9	187.9
62.5°	382.5	328.8	270.0	216.4	177.8	157.7	144.2	144.2	142.6	142.6	144.2
65°	283.5	241.5	199.6	154.3	124.1	109.0	98.9	98.9	97.3	98.9	97.3
67.5°	206.3	177.8	144.2	112.4	88.9	80.5	73.8	68.8	72.2	68.8	67.1
70°	151.0	127.5	104.0	85.6	68.8	60.4	55.4	53.7	50.3	50.3	50.3
72.5°	100.7	85.6	70.4	55.4	45.3	36.9	35.2	31.9	28.5	30.2	33.6
75°	67.1	57.0	50.3	40.3	30.2	30.2	20.2	20.2	16.8	20.2	15.1
77.5°	47.0	38.6	30.2	25.1	20.2	18.4	13.4	13.4	11.7	11.7	11.7
80°	33.6	28.5	21.8	18.4	13.4	13.4	11.7	10.1	8.4	8.4	10.1
82.5°	20.2	15.1	15.1	13.4	8.4	6.7	5.0	6.7	3.4	3.4	3.4
85°	11.7	10.1	8.4	5.0	3.4	3.4	1.7	0.0	1.7	1.7	0.0
87.5°	6.7	3.4	3.4	1.7	0.0	1.7	1.7	0.0	0.0	0.0	3.4
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: P248960

CATALOG NUMBER: LD8B100D010 ER8B1009727 8LBSW0B

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	3435.6	3435.6	3435.6	3435.6	3435.6	3435.6	3435.6	3435.6	3435.6	3435.6	3435.6
2.5°	3455.7	3454.0	3457.4	3457.4	3467.5	3465.7	3470.8	3470.8	3467.5	3469.1	3475.8
5°	3467.5	3472.5	3482.5	3490.9	3506.0	3512.8	3521.1	3529.5	3531.2	3536.2	3541.3
7.5°	3467.5	3484.2	3496.0	3511.0	3531.2	3542.9	3561.4	3576.5	3583.2	3591.5	3601.6
10°	3460.7	3477.5	3499.3	3516.1	3541.3	3559.7	3578.1	3601.6	3611.7	3625.1	3638.6
12.5°	3447.3	3465.7	3489.2	3511.0	3539.5	3556.3	3579.8	3601.6	3616.7	3635.2	3650.3
15°	3427.2	3449.0	3470.8	3492.6	3522.8	3542.9	3564.7	3589.9	3605.0	3625.1	3638.6
17.5°	3395.3	3418.8	3438.9	3459.0	3487.6	3511.0	3531.2	3554.7	3569.8	3586.6	3605.0
20°	3356.7	3378.5	3400.3	3417.1	3445.6	3465.7	3487.6	3509.4	3521.1	3524.5	3553.0
22.5°	3308.1	3323.1	3339.9	3366.8	3383.6	3402.0	3422.2	3442.3	3454.0	3472.5	3482.5
25°	3227.5	3242.6	3261.1	3272.8	3293.0	3308.1	3328.2	3350.0	3356.7	3370.2	3380.2
27.5°	3115.2	3123.5	3132.0	3142.0	3153.7	3162.1	3173.9	3183.9	3190.6	3197.3	3204.0
30°	2937.3	2937.3	2937.3	2930.6	2935.7	2940.7	2942.3	2940.7	2940.7	2939.0	2939.0
32.5°	2702.5	2689.1	2674.0	2660.6	2655.5	2648.8	2645.4	2640.4	2632.0	2627.0	2628.7
35°	2385.4	2355.2	2336.8	2320.0	2306.6	2296.5	2291.5	2286.5	2284.8	2278.1	2271.3
37.5°	1989.6	1967.7	1954.3	1944.3	1932.5	1922.4	1924.1	1925.8	1930.8	1927.5	1929.1
40°	1570.2	1565.1	1570.2	1558.4	1555.0	1558.4	1566.8	1578.6	1585.3	1592.0	1603.7
42.5°	1194.4	1202.7	1214.6	1214.6	1219.5	1226.3	1236.3	1254.8	1264.8	1276.6	1290.0
45°	899.1	909.2	924.3	929.3	932.7	941.1	952.9	967.9	974.6	984.7	996.4
47.5°	692.8	699.5	707.9	716.3	724.7	728.0	739.8	739.8	748.2	754.9	758.2
50°	540.2	546.9	553.6	558.6	562.0	567.0	570.3	575.4	577.0	580.4	582.1
52.5°	422.7	431.1	431.1	434.5	439.5	444.5	442.9	444.5	446.2	446.2	451.2
55°	330.5	330.5	335.5	335.5	338.9	337.2	338.9	338.9	338.9	338.9	340.5
57.5°	246.6	248.3	253.3	250.0	248.3	251.6	248.3	251.6	250.0	253.3	248.3
60°	189.5	189.5	191.3	191.3	192.9	192.9	192.9	191.3	191.3	189.5	189.5
62.5°	142.6	144.2	146.0	144.2	144.2	144.2	142.6	142.6	140.9	139.2	139.2
65°	95.6	94.0	97.3	94.0	95.6	95.6	94.0	95.6	90.6	92.2	90.6
67.5°	68.8	67.1	65.5	67.1	65.5	63.7	63.7	65.5	67.1	62.1	62.1
70°	45.3	47.0	45.3	47.0	48.7	48.7	47.0	45.3	47.0	43.6	45.3
72.5°	28.5	28.5	28.5	28.5	28.5	30.2	30.2	30.2	26.9	26.9	25.1
75°	13.4	18.4	15.1	13.4	18.4	18.4	16.8	16.8	15.1	15.1	15.1
77.5°	13.4	10.1	10.1	10.1	10.1	10.1	10.1	10.1	8.4	10.1	8.4
80°	6.7	6.7	6.7	5.0	6.7	6.7	8.4	6.7	6.7	5.0	8.4
82.5°	3.4	3.4	3.4	0.0	1.7	3.4	3.4	1.7	3.4	3.4	1.7
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: P248960

CATALOG NUMBER: LD8B100D010 ER8B1009727 8LBSW0B

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3435.6	3435.6	3435.6	3435.6	3435.6	3435.6	3435.6	3435.6	3435.6	3435.6	3435.6
2.5°	3474.2	3472.5	3474.2	3475.8	3474.2	3472.5	3474.2	3475.8	3469.1	3467.5	3470.8
5°	3548.0	3548.0	3551.3	3553.0	3551.3	3548.0	3548.0	3541.3	3536.2	3531.2	3529.5
7.5°	3611.7	3615.1	3618.4	3620.1	3618.4	3615.1	3611.7	3601.6	3591.5	3583.2	3576.5
10°	3650.3	3655.3	3662.0	3665.4	3662.0	3655.3	3650.3	3638.6	3625.1	3611.7	3601.6
12.5°	3667.1	3672.1	3680.5	3678.8	3680.5	3672.1	3667.1	3650.3	3635.2	3616.7	3601.6
15°	3655.3	3662.0	3670.4	3673.8	3670.4	3662.0	3655.3	3638.6	3625.1	3605.0	3589.9
17.5°	3618.4	3628.5	3633.5	3638.6	3633.5	3628.5	3618.4	3605.0	3586.6	3569.8	3554.7
20°	3568.1	3574.8	3581.5	3583.2	3581.5	3574.8	3568.1	3553.0	3524.5	3521.1	3509.4
22.5°	3496.0	3501.0	3516.1	3511.0	3516.1	3501.0	3496.0	3482.5	3472.5	3454.0	3442.3
25°	3391.9	3397.0	3398.7	3400.3	3398.7	3397.0	3391.9	3380.2	3370.2	3356.7	3350.0
27.5°	3212.5	3212.5	3215.8	3217.5	3215.8	3212.5	3212.5	3204.0	3197.3	3190.6	3183.9
30°	2940.7	2940.7	2940.7	2949.1	2940.7	2940.7	2940.7	2939.0	2939.0	2940.7	2940.7
32.5°	2627.0	2623.6	2620.3	2623.6	2620.3	2623.6	2627.0	2628.7	2627.0	2632.0	2640.4
35°	2271.3	2269.7	2274.7	2268.0	2274.7	2269.7	2271.3	2271.3	2278.1	2284.8	2286.5
37.5°	1930.8	1927.5	1934.2	1927.5	1934.2	1927.5	1930.8	1929.1	1927.5	1930.8	1925.8
40°	1607.1	1610.4	1610.4	1623.9	1610.4	1610.4	1607.1	1603.7	1592.0	1585.3	1578.6
42.5°	1296.7	1306.8	1303.4	1313.5	1303.4	1306.8	1296.7	1290.0	1276.6	1264.8	1254.8
45°	1003.1	1009.9	1009.9	1013.2	1009.9	1009.9	1003.1	996.4	984.7	974.6	967.9
47.5°	770.0	770.0	770.0	771.7	770.0	770.0	770.0	758.2	754.9	748.2	739.8
50°	585.5	587.1	588.8	590.5	588.8	587.1	585.5	582.1	580.4	577.0	575.4
52.5°	449.6	451.2	447.9	451.2	447.9	451.2	449.6	451.2	446.2	446.2	444.5
55°	340.5	338.9	340.5	342.2	340.5	338.9	340.5	340.5	338.9	338.9	338.9
57.5°	250.0	246.6	246.6	246.6	246.6	246.6	250.0	248.3	253.3	250.0	251.6
60°	186.2	187.9	187.9	189.5	187.9	187.9	186.2	189.5	189.5	191.3	191.3
62.5°	137.5	142.6	139.2	142.6	139.2	142.6	137.5	139.2	139.2	140.9	142.6
65°	88.9	88.9	88.9	90.6	88.9	88.9	88.9	90.6	92.2	90.6	95.6
67.5°	60.4	62.1	65.5	63.7	65.5	62.1	60.4	62.1	62.1	67.1	65.5
70°	48.7	43.6	43.6	48.7	43.6	43.6	48.7	45.3	43.6	47.0	45.3
72.5°	28.5	25.1	28.5	28.5	28.5	25.1	28.5	25.1	26.9	26.9	30.2
75°	15.1	13.4	11.7	16.8	11.7	13.4	15.1	15.1	15.1	15.1	16.8
77.5°	10.1	8.4	11.7	11.7	11.7	8.4	10.1	8.4	10.1	8.4	10.1
80°	5.0	6.7	5.0	8.4	5.0	6.7	5.0	8.4	5.0	6.7	6.7
82.5°	1.7	3.4	3.4	3.4	3.4	3.4	1.7	1.7	3.4	3.4	1.7
85°	0.0	3.4	1.7	1.7	1.7	3.4	0.0	0.0	0.0	0.0	0.0
87.5°	1.7	0.0	0.0	1.7	0.0	0.0	1.7	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: P248960

CATALOG NUMBER: LD8B100D010 ER8B1009727 8LBSW0B

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3435.6	3435.6	3435.6	3435.6	3435.6	3435.6	3435.6	3435.6	3435.6	3435.6	3435.6
2.5°	3470.8	3465.7	3467.5	3457.4	3457.4	3454.0	3455.7	3447.3	3444.0	3440.6	3445.6
5°	3521.1	3512.8	3506.0	3490.9	3482.5	3472.5	3467.5	3454.0	3442.3	3432.2	3430.5
7.5°	3561.4	3542.9	3531.2	3511.0	3496.0	3484.2	3467.5	3449.0	3433.9	3420.4	3410.4
10°	3578.1	3559.7	3541.3	3516.1	3499.3	3477.5	3460.7	3437.2	3417.1	3398.7	3386.9
12.5°	3579.8	3556.3	3539.5	3511.0	3489.2	3465.7	3447.3	3420.4	3397.0	3378.5	3360.1
15°	3564.7	3542.9	3522.8	3492.6	3470.8	3449.0	3427.2	3398.7	3376.9	3355.0	3341.7
17.5°	3531.2	3511.0	3487.6	3459.0	3438.9	3418.8	3395.3	3371.8	3346.6	3323.1	3306.4
20°	3487.6	3465.7	3445.6	3417.1	3400.3	3378.5	3356.7	3331.6	3311.4	3287.9	3269.5
22.5°	3422.2	3402.0	3383.6	3366.8	3339.9	3323.1	3308.1	3279.6	3259.4	3237.6	3217.5
25°	3328.2	3308.1	3293.0	3272.8	3261.1	3242.6	3227.5	3202.4	3183.9	3163.8	3147.0
27.5°	3173.9	3162.1	3153.7	3142.0	3132.0	3123.5	3115.2	3095.0	3081.6	3063.2	3046.4
30°	2942.3	2940.7	2935.7	2930.6	2937.3	2937.3	2937.3	2934.0	2922.3	2908.8	2897.1
32.5°	2645.4	2648.8	2655.5	2660.6	2674.0	2689.1	2702.5	2709.2	2709.2	2700.8	2695.8
35°	2291.5	2296.5	2306.6	2320.0	2336.8	2355.2	2385.4	2392.2	2397.1	2397.1	2390.4
37.5°	1924.1	1922.4	1932.5	1944.3	1954.3	1967.7	1989.6	1994.6	2002.9	1999.6	1992.9
40°	1566.8	1558.4	1555.0	1558.4	1570.2	1565.1	1570.2	1566.8	1566.8	1555.0	1555.0
42.5°	1236.3	1226.3	1219.5	1214.6	1214.6	1202.7	1194.4	1186.0	1181.0	1172.6	1170.9
45°	952.9	941.1	932.7	929.3	924.3	909.2	899.1	889.1	877.3	874.0	875.7
47.5°	739.8	728.0	724.7	716.3	707.9	699.5	692.8	681.1	679.4	672.7	679.4
50°	570.3	567.0	562.0	558.6	553.6	546.9	540.2	533.5	530.1	530.1	531.7
52.5°	442.9	444.5	439.5	434.5	431.1	431.1	422.7	421.1	421.1	414.4	421.1
55°	338.9	337.2	338.9	335.5	335.5	330.5	330.5	325.4	325.4	320.4	323.8
57.5°	248.3	251.6	248.3	250.0	253.3	248.3	246.6	241.5	244.9	241.5	243.3
60°	192.9	192.9	192.9	191.3	191.3	189.5	189.5	187.9	187.9	184.5	187.9
62.5°	142.6	144.2	144.2	144.2	146.0	144.2	142.6	144.2	142.6	142.6	144.2
65°	94.0	95.6	95.6	94.0	97.3	94.0	95.6	97.3	98.9	97.3	98.9
67.5°	63.7	63.7	65.5	67.1	65.5	67.1	68.8	67.1	68.8	72.2	68.8
70°	47.0	48.7	48.7	47.0	45.3	47.0	45.3	50.3	50.3	50.3	53.7
72.5°	30.2	30.2	28.5	28.5	28.5	28.5	28.5	33.6	30.2	28.5	31.9
75°	16.8	18.4	18.4	13.4	15.1	18.4	13.4	15.1	20.2	16.8	20.2
77.5°	10.1	10.1	10.1	10.1	10.1	10.1	13.4	11.7	11.7	11.7	13.4
80°	8.4	6.7	6.7	5.0	6.7	6.7	6.7	10.1	8.4	8.4	10.1
82.5°	3.4	3.4	1.7	0.0	3.4	3.4	3.4	3.4	3.4	3.4	6.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	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: P248960

CATALOG NUMBER: LD8B100D010 ER8B1009727 8LBSW0B

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3435.6	3435.6	3435.6	3435.6	3435.6	3435.6	3435.6	3435.6	3435.6	3435.6	3435.6
2.5°	3432.2	3432.2	3430.5	3427.2	3420.4	3420.4	3418.8	3413.7	3410.4	3408.7	3408.7
5°	3415.4	3408.7	3402.0	3383.6	3383.6	3380.2	3370.2	3363.4	3360.1	3351.7	3348.4
7.5°	3400.3	3380.2	3368.4	3356.7	3341.7	3334.9	3323.1	3318.1	3306.4	3298.0	3293.0
10°	3363.4	3350.0	3334.9	3316.5	3304.7	3291.3	3277.9	3267.8	3252.7	3244.3	3237.6
12.5°	3338.3	3318.1	3304.7	3284.6	3264.5	3252.7	3234.3	3222.5	3207.4	3190.6	3180.6
15°	3314.8	3293.0	3274.5	3252.7	3230.9	3217.5	3195.7	3182.3	3160.5	3143.7	3132.0
17.5°	3279.6	3261.1	3241.0	3214.1	3194.0	3177.2	3153.7	3137.0	3116.8	3095.0	3083.3
20°	3242.6	3220.8	3200.7	3173.9	3153.7	3133.6	3110.1	3091.7	3068.2	3048.1	3034.7
22.5°	3194.0	3168.8	3152.0	3125.2	3101.7	3080.0	3058.1	3036.3	3014.5	2997.7	2982.6
25°	3123.5	3096.7	3078.2	3056.4	3034.7	3017.9	2991.0	2977.6	2955.8	2940.7	2925.6
27.5°	3022.9	3002.8	2986.0	2964.2	2945.7	2932.3	2912.2	2898.8	2880.3	2866.9	2855.1
30°	2875.3	2858.5	2843.4	2821.6	2808.2	2796.4	2777.9	2766.2	2752.8	2737.7	2734.4
32.5°	2677.3	2663.9	2648.8	2633.7	2623.6	2616.9	2601.8	2595.1	2581.7	2573.3	2564.9
35°	2378.7	2367.0	2358.6	2351.9	2348.5	2350.2	2346.9	2353.6	2356.9	2355.2	2356.9
37.5°	1987.9	1981.1	1984.5	1989.6	2006.3	2028.2	2048.2	2078.4	2098.6	2118.7	2137.2
40°	1551.7	1556.8	1570.2	1600.3	1644.0	1692.6	1737.9	1795.0	1852.0	1892.3	1929.1
42.5°	1170.9	1186.0	1219.5	1263.2	1328.6	1400.7	1471.2	1555.0	1623.9	1690.9	1737.9
45°	880.7	900.8	944.4	1004.9	1076.9	1160.8	1249.8	1343.7	1425.9	1494.7	1546.7
47.5°	686.1	704.6	748.2	811.9	900.8	988.1	1080.3	1177.6	1263.2	1330.3	1375.6
50°	541.8	565.3	603.9	671.0	759.9	852.2	947.8	1043.4	1124.0	1181.0	1221.3
52.5°	426.1	447.9	484.8	555.3	645.9	738.1	827.0	921.0	991.4	1046.8	1073.6
55°	330.5	350.6	389.2	447.9	533.5	624.1	712.9	793.5	858.9	899.1	924.3
57.5°	251.6	266.7	293.6	352.3	429.5	513.3	588.8	669.4	719.7	748.2	764.9
60°	191.3	203.0	231.5	276.8	347.2	419.4	483.1	543.5	583.8	607.3	624.1
62.5°	144.2	157.7	177.8	216.4	270.0	328.8	382.5	427.8	461.3	476.4	488.2
65°	98.9	109.0	124.1	154.3	199.6	241.5	283.5	317.1	338.9	355.7	362.4
67.5°	73.8	80.5	88.9	112.4	144.2	177.8	206.3	229.8	253.3	260.0	271.8
70°	55.4	60.4	68.8	85.6	104.0	127.5	151.0	164.4	181.2	192.9	196.3
72.5°	35.2	36.9	45.3	55.4	70.4	85.6	100.7	112.4	122.5	129.2	132.5
75°	20.2	30.2	30.2	40.3	50.3	57.0	67.1	75.5	80.5	85.6	85.6
77.5°	13.4	18.4	20.2	25.1	30.2	38.6	47.0	52.0	57.0	58.7	58.7
80°	11.7	13.4	13.4	18.4	21.8	28.5	33.6	35.2	38.6	40.3	43.6
82.5°	5.0	6.7	8.4	13.4	15.1	15.1	20.2	21.8	25.1	26.9	26.9
85°	1.7	3.4	3.4	5.0	8.4	10.1	11.7	13.4	15.1	15.1	16.8
87.5°	1.7	1.7	0.0	1.7	3.4	3.4	6.7	6.7	6.7	10.1	10.1
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: P248960

CATALOG NUMBER: LD8B100D010 ER8B1009727 8LBSW0B

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	3435.6	3435.6	3435.6	3435.6	3435.6	3435.6	3435.6
2.5°	3405.4	3407.0	3400.3	3398.7	3395.3	3397.0	3400.3
5°	3343.3	3345.0	3338.3	3331.6	3331.6	3329.8	3331.6
7.5°	3284.6	3286.3	3276.2	3272.8	3266.1	3267.8	3267.8
10°	3225.9	3225.9	3210.8	3209.1	3204.0	3202.4	3202.4
12.5°	3168.8	3163.8	3152.0	3145.3	3148.7	3138.7	3138.7
15°	3118.5	3110.1	3095.0	3090.0	3081.6	3078.2	3078.2
17.5°	3066.5	3059.8	3046.4	3036.3	3026.2	3024.6	3026.2
20°	3016.2	3009.5	2992.7	2986.0	2977.6	2977.6	2974.2
22.5°	2965.8	2959.1	2944.1	2939.0	2927.3	2927.3	2929.0
25°	2913.8	2908.8	2892.0	2888.7	2887.0	2880.3	2883.7
27.5°	2843.4	2840.0	2826.6	2821.6	2814.9	2813.2	2816.5
30°	2714.2	2709.2	2699.2	2694.1	2682.4	2684.0	2687.4
32.5°	2553.2	2546.5	2533.0	2528.0	2518.0	2514.6	2516.3
35°	2351.9	2346.9	2335.1	2335.1	2325.1	2321.7	2325.1
37.5°	2147.3	2152.2	2147.3	2152.2	2147.3	2145.5	2147.3
40°	1954.3	1972.8	1976.1	1994.6	1987.9	1997.9	1996.3
42.5°	1769.8	1799.9	1811.8	1826.8	1823.5	1830.2	1835.2
45°	1583.5	1608.8	1620.5	1630.6	1632.2	1635.6	1637.3
47.5°	1407.4	1427.6	1429.2	1441.0	1439.3	1439.3	1444.3
50°	1243.1	1256.5	1259.8	1268.2	1261.5	1258.1	1259.8
52.5°	1090.4	1103.8	1100.4	1103.8	1095.4	1092.1	1093.7
55°	934.4	941.1	941.1	941.1	931.0	931.0	931.0
57.5°	775.0	776.7	773.3	775.0	773.3	763.3	761.6
60°	629.1	629.1	627.4	629.1	624.1	619.0	619.0
62.5°	491.5	494.9	501.6	494.9	491.5	494.9	489.8
65°	367.4	374.1	372.4	375.8	374.1	374.1	370.7
67.5°	276.8	278.5	280.1	281.9	281.9	281.9	281.9
70°	203.0	208.0	206.3	206.3	206.3	206.3	216.4
72.5°	135.9	142.6	140.9	144.2	144.2	147.6	144.2
75°	92.2	98.9	95.6	100.7	98.9	95.6	104.0
77.5°	62.1	65.5	67.1	68.8	67.1	65.5	67.1
80°	43.6	47.0	45.3	47.0	47.0	47.0	48.7
82.5°	26.9	31.9	30.2	31.9	30.2	31.9	31.9
85°	18.4	20.2	16.8	20.2	18.4	18.4	21.8
87.5°	11.7	10.1	10.1	11.7	10.1	11.7	10.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)