

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: P249001

Luminaire Tested: **LD8B60D010 ER8B60840 8LBSW0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P249001
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: LD8B60D010 ER8B60840 8LBSW0MW
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 4000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6131.0 lumens
Efficiency: N/A
Efficacy: 103.0 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

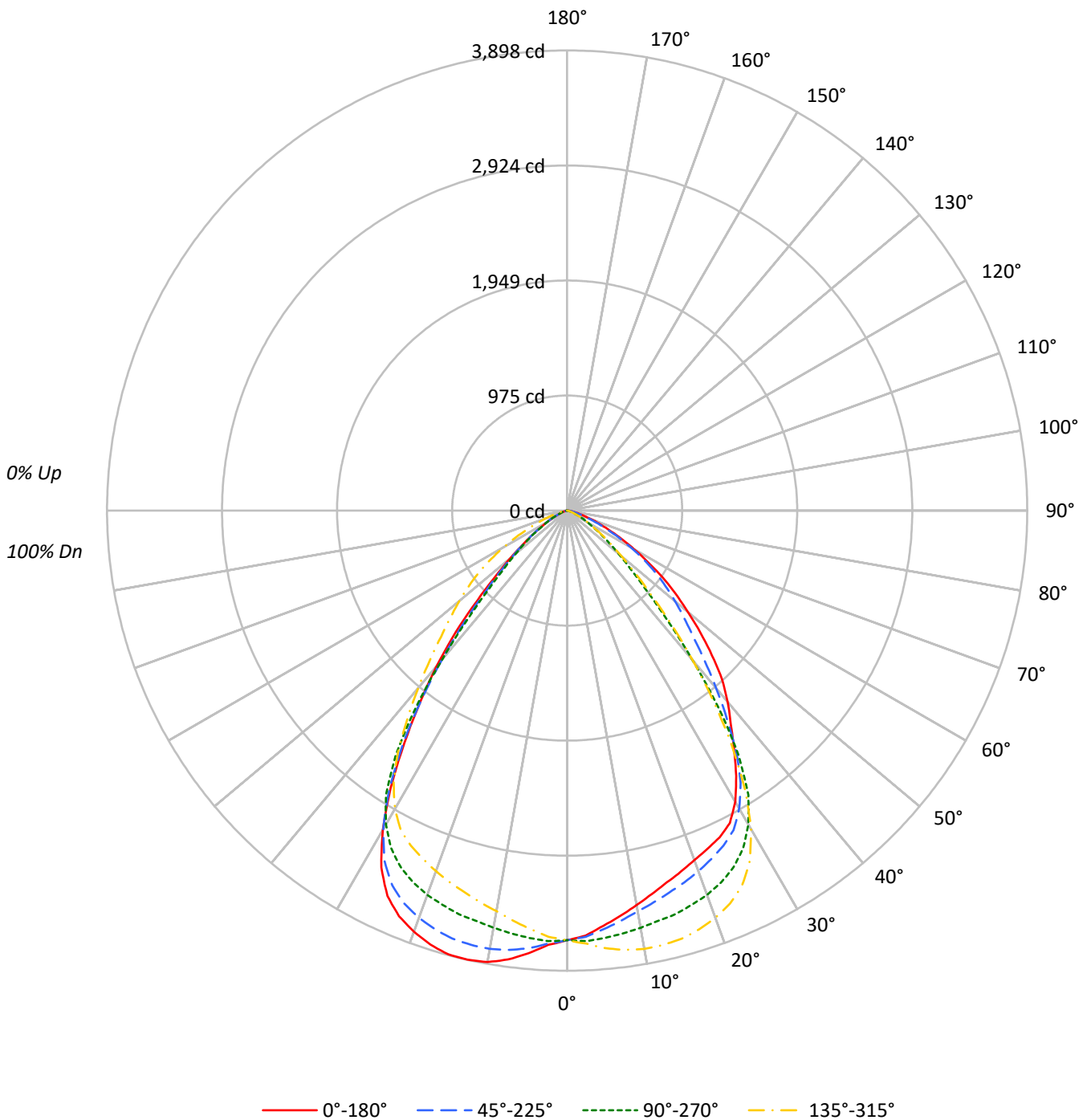
Input Watts (W): 59.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P249001

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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°	112238	112238	112238	112238
5°	109256	112500	116517	112500
10°	106232	112354	121591	112354
15°	104111	113021	124255	113021
20°	103401	113666	124574	113666
25°	103947	113440	122572	113440
30°	101376	109288	111250	109288
35°	92729	95334	90451	95334
40°	85133	66318	69253	66318
45°	75644	40456	46810	40456
50°	64029	27023	30012	27023
55°	53030	18440	19489	18440
60°	40445	12273	12384	12273
65°	28661	7647	7005	7647
70°	20674	5121	4652	5121
75°	13129	2550	2121	2550
80°	9163	1900	1580	1900
85°	8173	0	637	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	346.4	5.7
10°-20°	1003.2	16.4
20°-30°	1519.1	24.8
30°-40°	1522.5	24.8
40°-50°	956.1	15.6
50°-60°	509.5	8.3
60°-70°	209.5	3.4
70°-80°	55.4	0.9
80°-90°	9.4	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°	2868.7	46.8
0°-40°	4391.3	71.6
0°-60°	5856.8	95.5
0°-90°	6131.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6131.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3640	3640	3640	3640	3640	
5°	3530	3634	3764	3634	3530	333
15°	3261	3540	3892	3540	3261	922
25°	3055	3334	3602	3334	3055	1401
35°	2463	2532	2403	2532	2463	1543
45°	1735	928	1073	928	1735	1334
55°	986	343	362	343	986	879
65°	393	105	96	105	393	407
75°	110	21	18	21	110	125
85°	23	0	2	0	23	25
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°	3639.8	3639.8	3639.8	3639.8	3639.8	3639.8	3639.8	3639.8	3639.8	3639.8	3639.8
2.5°	3602.5	3598.9	3597.1	3600.7	3602.5	3609.6	3607.8	3611.3	3611.3	3613.2	3616.7
5°	3529.6	3527.8	3529.6	3529.6	3536.7	3543.8	3542.0	3547.4	3550.9	3559.8	3563.3
7.5°	3462.1	3462.1	3460.3	3467.4	3470.9	3481.6	3479.8	3488.7	3494.1	3502.9	3515.3
10°	3392.7	3392.7	3394.5	3399.8	3401.7	3417.6	3417.6	3430.1	3437.1	3446.1	3462.1
12.5°	3325.2	3325.2	3335.9	3332.3	3339.4	3351.9	3357.2	3369.6	3380.3	3398.1	3414.1
15°	3261.2	3261.2	3264.8	3273.7	3279.0	3295.0	3303.9	3318.1	3330.6	3348.3	3371.5
17.5°	3206.1	3204.4	3206.1	3216.8	3227.5	3241.7	3248.8	3266.6	3279.0	3302.1	3323.5
20°	3151.0	3154.6	3154.6	3163.5	3170.6	3188.4	3195.5	3215.1	3229.2	3250.5	3275.5
22.5°	3103.1	3101.3	3101.3	3113.7	3119.1	3135.0	3142.1	3159.9	3175.9	3193.7	3216.8
25°	3055.1	3051.5	3058.7	3060.4	3063.9	3081.7	3087.0	3099.5	3115.5	3131.5	3154.6
27.5°	2984.0	2980.5	2982.2	2989.3	2994.6	3008.8	3012.4	3024.9	3037.3	3051.5	3071.1
30°	2847.1	2843.6	2841.8	2854.3	2859.6	2870.2	2875.6	2896.9	2900.4	2916.4	2930.6
32.5°	2665.8	2664.1	2667.7	2678.3	2683.6	2697.9	2705.0	2717.4	2726.3	2735.2	2749.4
35°	2463.3	2459.7	2463.3	2473.9	2473.9	2486.4	2491.7	2497.0	2495.2	2497.0	2493.5
37.5°	2274.9	2273.1	2274.9	2280.2	2274.9	2280.2	2274.9	2264.2	2244.7	2223.3	2202.0
40°	2114.9	2116.7	2106.1	2113.2	2093.6	2090.0	2070.5	2043.8	2004.7	1962.1	1901.7
42.5°	1944.3	1939.0	1931.9	1935.4	1919.5	1906.9	1875.0	1841.3	1791.4	1720.4	1647.5
45°	1734.6	1732.8	1729.3	1727.5	1716.8	1704.4	1677.7	1638.6	1583.5	1510.7	1423.5
47.5°	1530.2	1524.9	1524.9	1526.6	1514.2	1512.4	1491.1	1457.3	1409.4	1338.3	1247.6
50°	1334.7	1332.9	1336.5	1343.6	1334.7	1331.2	1317.0	1293.8	1251.2	1190.8	1105.4
52.5°	1158.7	1157.0	1160.6	1169.4	1165.8	1169.4	1155.2	1137.4	1109.0	1050.3	975.7
55°	986.4	986.4	986.4	997.0	997.0	997.0	989.9	979.3	952.6	909.9	840.7
57.5°	806.9	808.6	819.3	821.1	819.3	822.9	821.1	810.4	792.7	762.5	709.1
60°	655.8	655.8	661.2	666.5	664.7	666.5	666.5	661.2	643.4	618.5	575.9
62.5°	518.9	524.3	520.7	524.3	531.4	524.3	520.7	517.2	504.8	488.7	453.2
65°	392.8	396.3	396.3	398.1	394.5	396.3	389.2	383.9	376.8	359.0	335.9
67.5°	298.6	298.6	298.6	298.6	296.8	295.0	293.3	287.9	275.5	268.4	243.5
70°	229.3	218.6	218.6	218.6	218.6	220.4	215.1	208.0	204.4	192.0	174.2
72.5°	152.8	156.4	152.8	152.8	149.3	151.1	144.0	140.4	136.9	129.8	119.1
75°	110.2	101.3	104.8	106.7	101.3	104.8	97.7	90.6	90.6	85.3	80.0
77.5°	71.1	69.3	71.1	72.9	71.1	69.3	65.8	62.2	62.2	60.4	55.1
80°	51.6	49.7	49.7	49.7	48.0	49.7	46.2	46.2	42.6	40.9	37.3
82.5°	33.8	33.8	32.0	33.8	32.0	33.8	28.5	28.5	28.5	26.6	23.1
85°	23.1	19.5	19.5	21.4	17.8	21.4	19.5	17.8	16.0	16.0	14.2
87.5°	10.7	12.4	10.7	12.4	10.7	10.7	12.4	10.7	10.7	7.1	7.1
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: P249001

CATALOG NUMBER: LD8B60D010 ER8B60840 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	3639.8	3639.8	3639.8	3639.8	3639.8	3639.8	3639.8	3639.8	3639.8	3639.8	3639.8
2.5°	3622.0	3623.8	3623.8	3630.9	3634.4	3636.2	3636.2	3650.5	3645.1	3648.7	3652.2
5°	3570.5	3581.1	3584.7	3584.7	3604.2	3611.3	3618.4	3634.4	3636.2	3646.9	3659.3
7.5°	3520.7	3533.1	3540.3	3556.2	3568.7	3581.1	3602.5	3613.2	3623.8	3638.0	3654.0
10°	3472.7	3487.0	3501.2	3513.6	3533.1	3549.1	3563.3	3588.2	3600.7	3620.2	3641.5
12.5°	3426.5	3446.1	3458.5	3479.8	3501.2	3515.3	3536.7	3559.8	3579.4	3598.9	3623.8
15°	3385.6	3408.8	3423.0	3446.1	3469.2	3488.7	3511.8	3540.3	3554.5	3577.6	3600.7
17.5°	3341.2	3366.1	3383.9	3405.2	3433.6	3454.9	3474.5	3502.9	3520.7	3545.6	3572.3
20°	3295.0	3319.9	3341.2	3362.5	3391.0	3412.3	3435.4	3463.8	3483.4	3508.3	3529.6
22.5°	3239.9	3263.0	3286.1	3311.0	3339.4	3357.2	3383.9	3408.8	3430.1	3453.2	3474.5
25°	3168.8	3197.3	3215.1	3238.1	3261.2	3280.7	3309.2	3334.1	3351.9	3373.2	3392.7
27.5°	3085.3	3106.6	3120.8	3140.4	3163.5	3181.3	3202.5	3227.5	3245.3	3264.8	3279.0
30°	2943.1	2962.7	2975.1	2989.3	3012.4	3028.4	3046.2	3069.3	3081.7	3096.0	3108.4
32.5°	2756.5	2772.5	2779.6	2790.3	2806.3	2822.2	2836.5	2856.0	2861.4	2870.2	2870.2
35°	2486.4	2489.9	2488.1	2491.7	2498.8	2507.7	2520.1	2532.5	2539.6	2539.6	2534.4
37.5°	2170.0	2148.7	2125.6	2107.8	2102.5	2098.9	2106.1	2111.3	2118.5	2122.0	2113.2
40°	1841.3	1793.3	1741.7	1695.5	1663.5	1649.3	1644.0	1647.5	1647.5	1659.9	1659.9
42.5°	1558.7	1484.0	1407.6	1338.3	1292.0	1256.5	1240.5	1240.5	1242.3	1251.2	1256.5
45°	1324.1	1229.8	1141.0	1064.6	1000.6	954.3	933.1	927.7	926.0	929.5	941.9
47.5°	1144.5	1046.8	954.3	860.2	792.7	746.4	726.9	719.7	712.7	719.7	721.6
50°	1004.2	902.8	805.1	710.9	639.8	598.9	574.0	563.3	561.6	561.6	565.2
52.5°	876.1	782.0	684.3	588.3	513.6	474.5	451.4	446.1	439.0	446.1	446.1
55°	755.3	661.2	565.2	474.5	412.3	371.5	350.1	343.0	339.4	344.8	344.8
57.5°	623.8	543.8	455.0	373.2	311.0	282.6	266.6	257.7	255.9	259.5	255.9
60°	511.8	444.3	367.9	293.3	245.3	215.1	202.6	199.0	195.5	199.0	199.0
62.5°	405.2	348.4	286.1	229.3	188.4	167.1	152.8	152.8	151.1	151.1	152.8
65°	300.4	255.9	211.5	163.5	131.5	115.5	104.8	104.8	103.1	104.8	103.1
67.5°	218.6	188.4	152.8	119.1	94.2	85.3	78.2	72.9	76.4	72.9	71.1
70°	160.0	135.0	110.2	90.6	72.9	64.0	58.7	56.8	53.3	53.3	53.3
72.5°	106.7	90.6	74.6	58.7	48.0	39.1	37.3	33.8	30.2	32.0	35.6
75°	71.1	60.4	53.3	42.6	32.0	32.0	21.4	21.4	17.8	21.4	16.0
77.5°	49.7	40.9	32.0	26.6	21.4	19.5	14.2	14.2	12.4	12.4	12.4
80°	35.6	30.2	23.1	19.5	14.2	14.2	12.4	10.7	8.9	8.9	10.7
82.5°	21.4	16.0	16.0	14.2	8.9	7.1	5.3	7.1	3.6	3.6	3.6
85°	12.4	10.7	8.9	5.3	3.6	3.6	1.8	0.0	1.8	1.8	0.0
87.5°	7.1	3.6	3.6	1.8	0.0	1.8	1.8	0.0	0.0	0.0	3.6
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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CATALOG NUMBER: LD8B60D010 ER8B60840 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	3639.8	3639.8	3639.8	3639.8	3639.8	3639.8	3639.8	3639.8	3639.8	3639.8	3639.8
2.5°	3661.1	3659.3	3662.9	3662.9	3673.6	3671.7	3677.1	3677.1	3673.6	3675.3	3682.4
5°	3673.6	3678.9	3689.5	3698.4	3714.4	3721.6	3730.4	3739.3	3741.1	3746.4	3751.8
7.5°	3673.6	3691.4	3703.8	3719.7	3741.1	3753.5	3773.1	3789.1	3796.2	3805.0	3815.7
10°	3666.4	3684.2	3707.3	3725.1	3751.8	3771.3	3790.8	3815.7	3826.4	3840.6	3854.8
12.5°	3652.2	3671.7	3696.6	3719.7	3749.9	3767.7	3792.6	3815.7	3831.7	3851.3	3867.3
15°	3630.9	3654.0	3677.1	3700.2	3732.2	3753.5	3776.6	3803.3	3819.3	3840.6	3854.8
17.5°	3597.1	3622.0	3643.4	3664.7	3694.9	3719.7	3741.1	3766.0	3782.0	3799.8	3819.3
20°	3556.2	3579.4	3602.5	3620.2	3650.5	3671.7	3694.9	3718.0	3730.4	3734.0	3764.2
22.5°	3504.7	3520.7	3538.5	3566.9	3584.7	3604.2	3625.6	3646.9	3659.3	3678.9	3689.5
25°	3419.4	3435.4	3454.9	3467.4	3488.7	3504.7	3526.0	3549.1	3556.2	3570.5	3581.1
27.5°	3300.4	3309.2	3318.1	3328.7	3341.2	3350.1	3362.5	3373.2	3380.3	3387.4	3394.5
30°	3111.9	3111.9	3111.9	3104.8	3110.2	3115.5	3117.3	3115.5	3115.5	3113.7	3113.7
32.5°	2863.1	2848.9	2832.9	2818.7	2813.4	2806.3	2802.7	2797.4	2788.5	2783.2	2784.9
35°	2527.2	2495.2	2475.7	2457.9	2443.7	2433.1	2427.7	2422.4	2420.6	2413.5	2406.4
37.5°	2107.8	2084.7	2070.5	2059.8	2047.4	2036.7	2038.5	2040.3	2045.6	2042.1	2043.8
40°	1663.5	1658.1	1663.5	1651.1	1647.5	1651.1	1659.9	1672.4	1679.5	1686.6	1699.0
42.5°	1265.4	1274.2	1286.8	1286.8	1292.0	1299.2	1309.8	1329.4	1340.0	1352.4	1366.7
45°	952.6	963.3	979.3	984.6	988.1	997.0	1009.5	1025.5	1032.5	1043.2	1055.7
47.5°	734.0	741.1	750.0	758.9	767.7	771.3	783.8	783.8	792.7	799.8	803.3
50°	572.3	579.4	586.5	591.8	595.4	600.7	604.2	609.6	611.3	614.9	616.7
52.5°	447.8	456.8	456.8	460.3	465.6	471.0	469.2	471.0	472.7	472.7	478.1
55°	350.1	350.1	355.4	355.4	359.0	357.2	359.0	359.0	359.0	359.0	360.8
57.5°	261.2	263.1	268.4	264.8	263.1	266.6	263.1	266.6	264.8	268.4	263.1
60°	200.8	200.8	202.6	202.6	204.4	204.4	204.4	202.6	202.6	200.8	200.8
62.5°	151.1	152.8	154.6	152.8	152.8	152.8	151.1	151.1	149.3	147.5	147.5
65°	101.3	99.6	103.1	99.6	101.3	101.3	99.6	101.3	96.0	97.7	96.0
67.5°	72.9	71.1	69.3	71.1	69.3	67.5	67.5	69.3	71.1	65.8	65.8
70°	48.0	49.7	48.0	49.7	51.6	51.6	49.7	48.0	49.7	46.2	48.0
72.5°	30.2	30.2	30.2	30.2	30.2	32.0	32.0	32.0	28.5	28.5	26.6
75°	14.2	19.5	16.0	14.2	19.5	19.5	17.8	17.8	16.0	16.0	16.0
77.5°	14.2	10.7	10.7	10.7	10.7	10.7	10.7	10.7	8.9	10.7	8.9
80°	7.1	7.1	7.1	5.3	7.1	7.1	8.9	7.1	7.1	5.3	8.9
82.5°	3.6	3.6	3.6	0.0	1.8	3.6	3.6	1.8	3.6	3.6	1.8
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: P249001

CATALOG NUMBER: LD8B60D010 ER8B60840 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3639.8	3639.8	3639.8	3639.8	3639.8	3639.8	3639.8	3639.8	3639.8	3639.8	3639.8
2.5°	3680.7	3678.9	3680.7	3682.4	3680.7	3678.9	3680.7	3682.4	3675.3	3673.6	3677.1
5°	3758.9	3758.9	3762.4	3764.2	3762.4	3758.9	3758.9	3751.8	3746.4	3741.1	3739.3
7.5°	3826.4	3830.0	3833.5	3835.2	3833.5	3830.0	3826.4	3815.7	3805.0	3796.2	3789.1
10°	3867.3	3872.6	3879.7	3883.2	3879.7	3872.6	3867.3	3854.8	3840.6	3826.4	3815.7
12.5°	3885.1	3890.4	3899.3	3897.5	3899.3	3890.4	3885.1	3867.3	3851.3	3831.7	3815.7
15°	3872.6	3879.7	3888.6	3892.2	3888.6	3879.7	3872.6	3854.8	3840.6	3819.3	3803.3
17.5°	3833.5	3844.2	3849.5	3854.8	3849.5	3844.2	3833.5	3819.3	3799.8	3782.0	3766.0
20°	3780.2	3787.3	3794.4	3796.2	3794.4	3787.3	3780.2	3764.2	3734.0	3730.4	3718.0
22.5°	3703.8	3709.1	3725.1	3719.7	3725.1	3709.1	3703.8	3689.5	3678.9	3659.3	3646.9
25°	3593.5	3598.9	3600.7	3602.5	3600.7	3598.9	3593.5	3581.1	3570.5	3556.2	3549.1
27.5°	3403.4	3403.4	3406.9	3408.8	3406.9	3403.4	3403.4	3394.5	3387.4	3380.3	3373.2
30°	3115.5	3115.5	3115.5	3124.4	3115.5	3115.5	3115.5	3113.7	3113.7	3115.5	3115.5
32.5°	2783.2	2779.6	2776.1	2779.6	2776.1	2779.6	2783.2	2784.9	2783.2	2788.5	2797.4
35°	2406.4	2404.6	2409.9	2402.8	2409.9	2404.6	2406.4	2406.4	2413.5	2420.6	2422.4
37.5°	2045.6	2042.1	2049.2	2042.1	2049.2	2042.1	2045.6	2043.8	2042.1	2045.6	2040.3
40°	1702.6	1706.1	1706.1	1720.4	1706.1	1706.1	1702.6	1699.0	1686.6	1679.5	1672.4
42.5°	1373.8	1384.5	1380.9	1391.6	1380.9	1384.5	1373.8	1366.7	1352.4	1340.0	1329.4
45°	1062.8	1069.9	1069.9	1073.4	1069.9	1069.9	1062.8	1055.7	1043.2	1032.5	1025.5
47.5°	815.7	815.7	815.7	817.6	815.7	815.7	815.7	803.3	799.8	792.7	783.8
50°	620.3	622.0	623.8	625.6	623.8	622.0	620.3	616.7	614.9	611.3	609.6
52.5°	476.3	478.1	474.5	478.1	474.5	478.1	476.3	478.1	472.7	472.7	471.0
55°	360.8	359.0	360.8	362.5	360.8	359.0	360.8	360.8	359.0	359.0	359.0
57.5°	264.8	261.2	261.2	261.2	261.2	261.2	264.8	263.1	268.4	264.8	266.6
60°	197.3	199.0	199.0	200.8	199.0	199.0	197.3	200.8	200.8	202.6	202.6
62.5°	145.7	151.1	147.5	151.1	147.5	151.1	145.7	147.5	147.5	149.3	151.1
65°	94.2	94.2	94.2	96.0	94.2	94.2	94.2	96.0	97.7	96.0	101.3
67.5°	64.0	65.8	69.3	67.5	69.3	65.8	64.0	65.8	65.8	71.1	69.3
70°	51.6	46.2	46.2	51.6	46.2	46.2	51.6	48.0	46.2	49.7	48.0
72.5°	30.2	26.6	30.2	30.2	30.2	26.6	30.2	26.6	28.5	28.5	32.0
75°	16.0	14.2	12.4	17.8	12.4	14.2	16.0	16.0	16.0	16.0	17.8
77.5°	10.7	8.9	12.4	12.4	12.4	8.9	10.7	8.9	10.7	8.9	10.7
80°	5.3	7.1	5.3	8.9	5.3	7.1	5.3	8.9	5.3	7.1	7.1
82.5°	1.8	3.6	3.6	3.6	3.6	3.6	1.8	1.8	3.6	3.6	1.8
85°	0.0	3.6	1.8	1.8	1.8	3.6	0.0	0.0	0.0	0.0	0.0
87.5°	1.8	0.0	0.0	1.8	0.0	0.0	1.8	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: P249001

CATALOG NUMBER: LD8B60D010 ER8B60840 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3639.8	3639.8	3639.8	3639.8	3639.8	3639.8	3639.8	3639.8	3639.8	3639.8	3639.8
2.5°	3677.1	3671.7	3673.6	3662.9	3662.9	3659.3	3661.1	3652.2	3648.7	3645.1	3650.5
5°	3730.4	3721.6	3714.4	3698.4	3689.5	3678.9	3673.6	3659.3	3646.9	3636.2	3634.4
7.5°	3773.1	3753.5	3741.1	3719.7	3703.8	3691.4	3673.6	3654.0	3638.0	3623.8	3613.2
10°	3790.8	3771.3	3751.8	3725.1	3707.3	3684.2	3666.4	3641.5	3620.2	3600.7	3588.2
12.5°	3792.6	3767.7	3749.9	3719.7	3696.6	3671.7	3652.2	3623.8	3598.9	3579.4	3559.8
15°	3776.6	3753.5	3732.2	3700.2	3677.1	3654.0	3630.9	3600.7	3577.6	3554.5	3540.3
17.5°	3741.1	3719.7	3694.9	3664.7	3643.4	3622.0	3597.1	3572.3	3545.6	3520.7	3502.9
20°	3694.9	3671.7	3650.5	3620.2	3602.5	3579.4	3556.2	3529.6	3508.3	3483.4	3463.8
22.5°	3625.6	3604.2	3584.7	3566.9	3538.5	3520.7	3504.7	3474.5	3453.2	3430.1	3408.8
25°	3526.0	3504.7	3488.7	3467.4	3454.9	3435.4	3419.4	3392.7	3373.2	3351.9	3334.1
27.5°	3362.5	3350.1	3341.2	3328.7	3318.1	3309.2	3300.4	3279.0	3264.8	3245.3	3227.5
30°	3117.3	3115.5	3110.2	3104.8	3111.9	3111.9	3111.9	3108.4	3096.0	3081.7	3069.3
32.5°	2802.7	2806.3	2813.4	2818.7	2832.9	2848.9	2863.1	2870.2	2870.2	2861.4	2856.0
35°	2427.7	2433.1	2443.7	2457.9	2475.7	2495.2	2527.2	2534.4	2539.6	2539.6	2532.5
37.5°	2038.5	2036.7	2047.4	2059.8	2070.5	2084.7	2107.8	2113.2	2122.0	2118.5	2111.3
40°	1659.9	1651.1	1647.5	1651.1	1663.5	1658.1	1663.5	1659.9	1659.9	1647.5	1647.5
42.5°	1309.8	1299.2	1292.0	1286.8	1286.8	1274.2	1265.4	1256.5	1251.2	1242.3	1240.5
45°	1009.5	997.0	988.1	984.6	979.3	963.3	952.6	941.9	929.5	926.0	927.7
47.5°	783.8	771.3	767.7	758.9	750.0	741.1	734.0	721.6	719.7	712.7	719.7
50°	604.2	600.7	595.4	591.8	586.5	579.4	572.3	565.2	561.6	561.6	563.3
52.5°	469.2	471.0	465.6	460.3	456.8	456.8	447.8	446.1	446.1	439.0	446.1
55°	359.0	357.2	359.0	355.4	355.4	350.1	350.1	344.8	344.8	339.4	343.0
57.5°	263.1	266.6	263.1	264.8	268.4	263.1	261.2	255.9	259.5	255.9	257.7
60°	204.4	204.4	204.4	202.6	202.6	200.8	200.8	199.0	199.0	195.5	199.0
62.5°	151.1	152.8	152.8	152.8	154.6	152.8	151.1	152.8	151.1	151.1	152.8
65°	99.6	101.3	101.3	99.6	103.1	99.6	101.3	103.1	104.8	103.1	104.8
67.5°	67.5	67.5	69.3	71.1	69.3	71.1	72.9	71.1	72.9	76.4	72.9
70°	49.7	51.6	51.6	49.7	48.0	49.7	48.0	53.3	53.3	53.3	56.8
72.5°	32.0	32.0	30.2	30.2	30.2	30.2	30.2	35.6	32.0	30.2	33.8
75°	17.8	19.5	19.5	14.2	16.0	19.5	14.2	16.0	21.4	17.8	21.4
77.5°	10.7	10.7	10.7	10.7	10.7	10.7	14.2	12.4	12.4	12.4	14.2
80°	8.9	7.1	7.1	5.3	7.1	7.1	7.1	10.7	8.9	8.9	10.7
82.5°	3.6	3.6	1.8	0.0	3.6	3.6	3.6	3.6	3.6	3.6	7.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	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: P249001

CATALOG NUMBER: LD8B60D010 ER8B60840 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3639.8	3639.8	3639.8	3639.8	3639.8	3639.8	3639.8	3639.8	3639.8	3639.8	3639.8
2.5°	3636.2	3636.2	3634.4	3630.9	3623.8	3623.8	3622.0	3616.7	3613.2	3611.3	3611.3
5°	3618.4	3611.3	3604.2	3584.7	3584.7	3581.1	3570.5	3563.3	3559.8	3550.9	3547.4
7.5°	3602.5	3581.1	3568.7	3556.2	3540.3	3533.1	3520.7	3515.3	3502.9	3494.1	3488.7
10°	3563.3	3549.1	3533.1	3513.6	3501.2	3487.0	3472.7	3462.1	3446.1	3437.1	3430.1
12.5°	3536.7	3515.3	3501.2	3479.8	3458.5	3446.1	3426.5	3414.1	3398.1	3380.3	3369.6
15°	3511.8	3488.7	3469.2	3446.1	3423.0	3408.8	3385.6	3371.5	3348.3	3330.6	3318.1
17.5°	3474.5	3454.9	3433.6	3405.2	3383.9	3366.1	3341.2	3323.5	3302.1	3279.0	3266.6
20°	3435.4	3412.3	3391.0	3362.5	3341.2	3319.9	3295.0	3275.5	3250.5	3229.2	3215.1
22.5°	3383.9	3357.2	3339.4	3311.0	3286.1	3263.0	3239.9	3216.8	3193.7	3175.9	3159.9
25°	3309.2	3280.7	3261.2	3238.1	3215.1	3197.3	3168.8	3154.6	3131.5	3115.5	3099.5
27.5°	3202.5	3181.3	3163.5	3140.4	3120.8	3106.6	3085.3	3071.1	3051.5	3037.3	3024.9
30°	3046.2	3028.4	3012.4	2989.3	2975.1	2962.7	2943.1	2930.6	2916.4	2900.4	2896.9
32.5°	2836.5	2822.2	2806.3	2790.3	2779.6	2772.5	2756.5	2749.4	2735.2	2726.3	2717.4
35°	2520.1	2507.7	2498.8	2491.7	2488.1	2489.9	2486.4	2493.5	2497.0	2495.2	2497.0
37.5°	2106.1	2098.9	2102.5	2107.8	2125.6	2148.7	2170.0	2202.0	2223.3	2244.7	2264.2
40°	1644.0	1649.3	1663.5	1695.5	1741.7	1793.3	1841.3	1901.7	1962.1	2004.7	2043.8
42.5°	1240.5	1256.5	1292.0	1338.3	1407.6	1484.0	1558.7	1647.5	1720.4	1791.4	1841.3
45°	933.1	954.3	1000.6	1064.6	1141.0	1229.8	1324.1	1423.5	1510.7	1583.5	1638.6
47.5°	726.9	746.4	792.7	860.2	954.3	1046.8	1144.5	1247.6	1338.3	1409.4	1457.3
50°	574.0	598.9	639.8	710.9	805.1	902.8	1004.2	1105.4	1190.8	1251.2	1293.8
52.5°	451.4	474.5	513.6	588.3	684.3	782.0	876.1	975.7	1050.3	1109.0	1137.4
55°	350.1	371.5	412.3	474.5	565.2	661.2	755.3	840.7	909.9	952.6	979.3
57.5°	266.6	282.6	311.0	373.2	455.0	543.8	623.8	709.1	762.5	792.7	810.4
60°	202.6	215.1	245.3	293.3	367.9	444.3	511.8	575.9	618.5	643.4	661.2
62.5°	152.8	167.1	188.4	229.3	286.1	348.4	405.2	453.2	488.7	504.8	517.2
65°	104.8	115.5	131.5	163.5	211.5	255.9	300.4	335.9	359.0	376.8	383.9
67.5°	78.2	85.3	94.2	119.1	152.8	188.4	218.6	243.5	268.4	275.5	287.9
70°	58.7	64.0	72.9	90.6	110.2	135.0	160.0	174.2	192.0	204.4	208.0
72.5°	37.3	39.1	48.0	58.7	74.6	90.6	106.7	119.1	129.8	136.9	140.4
75°	21.4	32.0	32.0	42.6	53.3	60.4	71.1	80.0	85.3	90.6	90.6
77.5°	14.2	19.5	21.4	26.6	32.0	40.9	49.7	55.1	60.4	62.2	62.2
80°	12.4	14.2	14.2	19.5	23.1	30.2	35.6	37.3	40.9	42.6	46.2
82.5°	5.3	7.1	8.9	14.2	16.0	16.0	21.4	23.1	26.6	28.5	28.5
85°	1.8	3.6	3.6	5.3	8.9	10.7	12.4	14.2	16.0	16.0	17.8
87.5°	1.8	1.8	0.0	1.8	3.6	3.6	7.1	7.1	7.1	10.7	10.7
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: P249001

CATALOG NUMBER: LD8B60D010 ER8B60840 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	3639.8	3639.8	3639.8	3639.8	3639.8	3639.8	3639.8
2.5°	3607.8	3609.6	3602.5	3600.7	3597.1	3598.9	3602.5
5°	3542.0	3543.8	3536.7	3529.6	3529.6	3527.8	3529.6
7.5°	3479.8	3481.6	3470.9	3467.4	3460.3	3462.1	3462.1
10°	3417.6	3417.6	3401.7	3399.8	3394.5	3392.7	3392.7
12.5°	3357.2	3351.9	3339.4	3332.3	3335.9	3325.2	3325.2
15°	3303.9	3295.0	3279.0	3273.7	3264.8	3261.2	3261.2
17.5°	3248.8	3241.7	3227.5	3216.8	3206.1	3204.4	3206.1
20°	3195.5	3188.4	3170.6	3163.5	3154.6	3154.6	3151.0
22.5°	3142.1	3135.0	3119.1	3113.7	3101.3	3101.3	3103.1
25°	3087.0	3081.7	3063.9	3060.4	3058.7	3051.5	3055.1
27.5°	3012.4	3008.8	2994.6	2989.3	2982.2	2980.5	2984.0
30°	2875.6	2870.2	2859.6	2854.3	2841.8	2843.6	2847.1
32.5°	2705.0	2697.9	2683.6	2678.3	2667.7	2664.1	2665.8
35°	2491.7	2486.4	2473.9	2473.9	2463.3	2459.7	2463.3
37.5°	2274.9	2280.2	2274.9	2280.2	2274.9	2273.1	2274.9
40°	2070.5	2090.0	2093.6	2113.2	2106.1	2116.7	2114.9
42.5°	1875.0	1906.9	1919.5	1935.4	1931.9	1939.0	1944.3
45°	1677.7	1704.4	1716.8	1727.5	1729.3	1732.8	1734.6
47.5°	1491.1	1512.4	1514.2	1526.6	1524.9	1524.9	1530.2
50°	1317.0	1331.2	1334.7	1343.6	1336.5	1332.9	1334.7
52.5°	1155.2	1169.4	1165.8	1169.4	1160.6	1157.0	1158.7
55°	989.9	997.0	997.0	997.0	986.4	986.4	986.4
57.5°	821.1	822.9	819.3	821.1	819.3	808.6	806.9
60°	666.5	666.5	664.7	666.5	661.2	655.8	655.8
62.5°	520.7	524.3	531.4	524.3	520.7	524.3	518.9
65°	389.2	396.3	394.5	398.1	396.3	396.3	392.8
67.5°	293.3	295.0	296.8	298.6	298.6	298.6	298.6
70°	215.1	220.4	218.6	218.6	218.6	218.6	229.3
72.5°	144.0	151.1	149.3	152.8	152.8	156.4	152.8
75°	97.7	104.8	101.3	106.7	104.8	101.3	110.2
77.5°	65.8	69.3	71.1	72.9	71.1	69.3	71.1
80°	46.2	49.7	48.0	49.7	49.7	49.7	51.6
82.5°	28.5	33.8	32.0	33.8	32.0	33.8	33.8
85°	19.5	21.4	17.8	21.4	19.5	19.5	23.1
87.5°	12.4	10.7	10.7	12.4	10.7	12.4	10.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)