

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: P248668

Luminaire Tested: **LD8B60D010 ER8B60835 8LBSW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248668
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 ER8B60835 8LBSW0WMH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 3500 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6183.0 lumens
Efficiency: N/A
Efficacy: 103.9 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

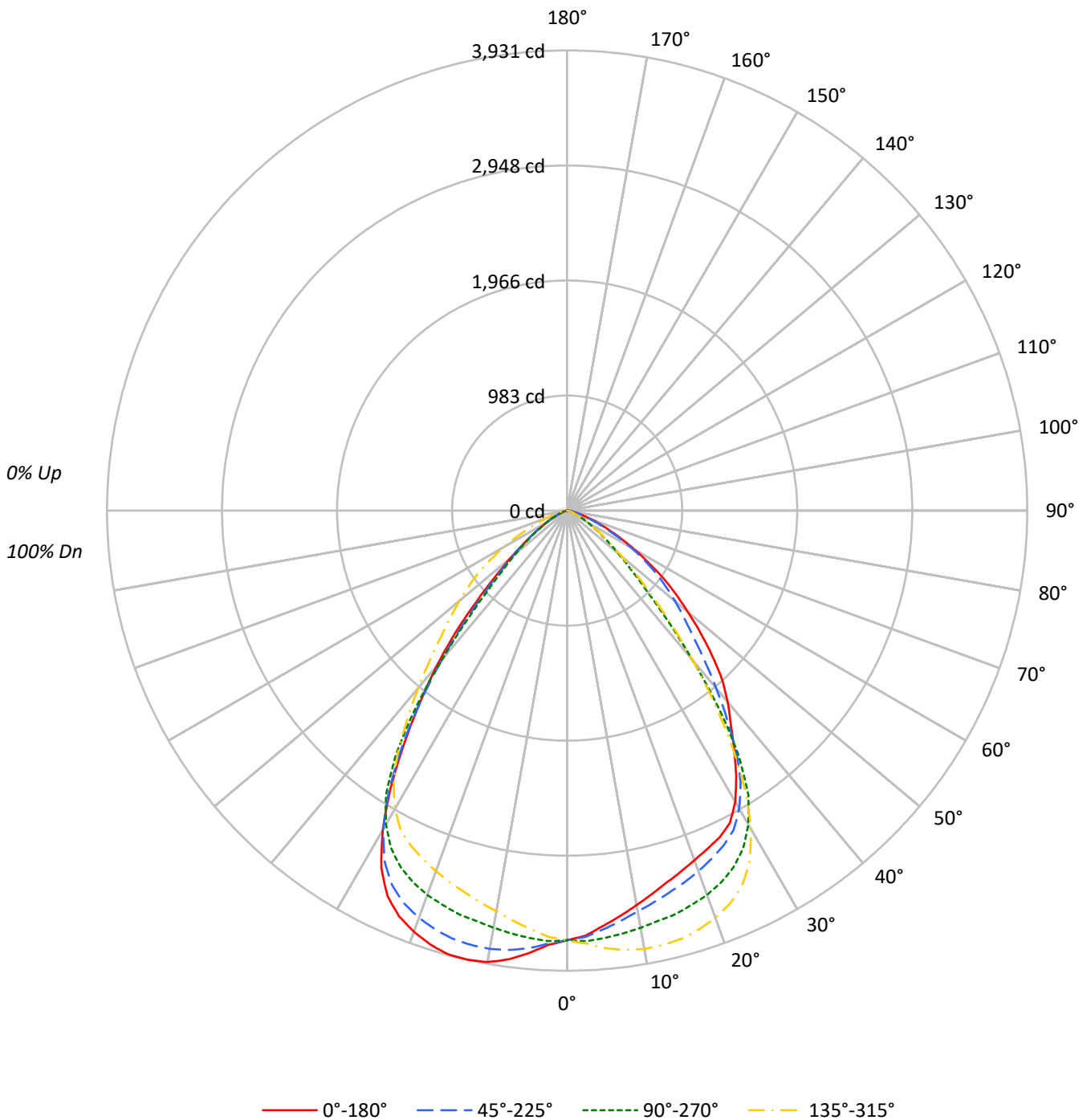
Input Watts (W): 59.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	113191	113191	113191	113191
5°	110181	113456	117505	113456
10°	107134	113306	122624	113306
15°	104995	113979	125308	113979
20°	104281	114630	125630	114630
25°	104828	114403	123610	114403
30°	102234	110213	112193	110213
35°	93516	96143	91219	96143
40°	85858	66878	69841	66878
45°	76285	40801	47207	40801
50°	64571	27253	30266	27253
55°	53482	18596	19655	18596
60°	40790	12378	12489	12378
65°	28901	7712	7063	7712
70°	20845	5166	4688	5166
75°	13237	2562	2133	2562
80°	9234	1918	1580	1918
85°	8244	0	637	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	349.4	5.7
10°-20°	1011.7	16.4
20°-30°	1532.0	24.8
30°-40°	1535.4	24.8
40°-50°	964.2	15.6
50°-60°	513.8	8.3
60°-70°	211.3	3.4
70°-80°	55.8	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°	2893.1	46.8
0°-40°	4428.5	71.6
0°-60°	5906.5	95.5
0°-90°	6183.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6183.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3671	3671	3671	3671	3671	
5°	3560	3665	3796	3665	3560	336
15°	3289	3570	3925	3570	3289	930
25°	3081	3362	3633	3362	3081	1413
35°	2484	2554	2423	2554	2484	1556
45°	1749	936	1082	936	1749	1345
55°	995	346	366	346	995	887
65°	396	106	97	106	396	411
75°	111	22	18	22	111	126
85°	23	0	2	0	23	26
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°	3670.7	3670.7	3670.7	3670.7	3670.7	3670.7	3670.7	3670.7	3670.7	3670.7	3670.7
2.5°	3633.0	3629.4	3627.6	3631.3	3633.0	3640.2	3638.4	3642.0	3642.0	3643.8	3647.3
5°	3559.5	3557.7	3559.5	3559.5	3566.7	3573.9	3572.1	3577.5	3581.0	3590.0	3593.6
7.5°	3491.5	3491.5	3489.6	3496.8	3500.4	3511.2	3509.3	3518.3	3523.7	3532.6	3545.2
10°	3421.5	3421.5	3423.3	3428.7	3430.5	3446.6	3446.6	3459.1	3466.3	3475.3	3491.5
12.5°	3353.4	3353.4	3364.2	3360.6	3367.7	3380.3	3385.7	3398.2	3409.0	3426.9	3443.1
15°	3288.9	3288.9	3292.5	3301.4	3306.8	3323.0	3331.9	3346.3	3358.8	3376.7	3400.1
17.5°	3233.3	3231.6	3233.3	3244.1	3254.9	3269.2	3276.3	3294.3	3306.8	3330.1	3351.7
20°	3177.8	3181.4	3181.4	3190.3	3197.5	3215.4	3222.6	3242.3	3256.6	3278.1	3303.3
22.5°	3129.4	3127.6	3127.6	3140.1	3145.5	3161.6	3168.8	3186.7	3202.9	3220.8	3244.1
25°	3081.0	3077.4	3084.6	3086.4	3089.9	3107.8	3113.2	3125.8	3141.9	3158.1	3181.4
27.5°	3009.3	3005.7	3007.5	3014.7	3020.0	3034.4	3038.0	3050.5	3063.1	3077.4	3097.1
30°	2871.2	2867.7	2865.9	2878.5	2883.9	2894.6	2899.9	2921.5	2925.0	2941.2	2955.5
32.5°	2688.4	2686.7	2690.3	2701.0	2706.4	2720.7	2727.9	2740.4	2749.4	2758.4	2772.7
35°	2484.2	2480.5	2484.2	2494.9	2494.9	2507.5	2512.9	2518.2	2516.4	2518.2	2514.6
37.5°	2294.2	2292.3	2294.2	2299.5	2294.2	2299.5	2294.2	2283.4	2263.7	2242.2	2220.6
40°	2132.9	2134.6	2123.9	2131.1	2111.3	2107.8	2088.1	2061.1	2021.8	1978.7	1917.8
42.5°	1960.8	1955.4	1948.3	1951.8	1935.7	1923.1	1890.9	1856.9	1806.6	1735.0	1661.4
45°	1749.3	1747.5	1743.9	1742.2	1731.4	1718.8	1691.9	1652.5	1597.0	1523.5	1435.6
47.5°	1543.2	1537.8	1537.8	1539.6	1527.0	1525.3	1503.7	1469.7	1421.3	1349.6	1258.2
50°	1346.0	1344.2	1347.8	1355.0	1346.0	1342.4	1328.1	1304.8	1261.8	1200.9	1114.8
52.5°	1168.6	1166.8	1170.4	1179.3	1175.7	1179.3	1165.0	1147.1	1118.4	1059.2	984.0
55°	994.8	994.8	994.8	1005.5	1005.5	1005.5	998.3	987.6	960.7	917.7	847.8
57.5°	813.7	815.5	826.3	828.0	826.3	829.9	828.0	817.3	799.4	768.9	715.2
60°	661.4	661.4	666.8	672.1	670.3	672.1	672.1	666.8	648.8	623.8	580.7
62.5°	523.3	528.7	525.1	528.7	535.9	528.7	525.1	521.6	509.0	492.9	457.0
65°	396.1	399.7	399.7	401.5	397.9	399.7	392.5	387.2	380.0	362.1	338.8
67.5°	301.1	301.1	301.1	301.1	299.3	297.5	295.8	290.4	277.8	270.7	245.5
70°	231.2	220.4	220.4	220.4	220.4	222.3	216.9	209.7	206.1	193.6	175.7
72.5°	154.1	157.7	154.1	154.1	150.6	152.3	145.2	141.6	138.0	130.9	120.1
75°	111.1	102.2	105.7	107.6	102.2	105.7	98.6	91.4	91.4	86.0	80.6
77.5°	71.7	69.9	71.7	73.5	71.7	69.9	66.3	62.7	62.7	60.9	55.6
80°	52.0	50.2	50.2	50.2	48.4	50.2	46.6	46.6	43.0	41.2	37.6
82.5°	34.1	34.1	32.2	34.1	32.2	34.1	28.7	28.7	28.7	26.9	23.3
85°	23.3	19.7	19.7	21.5	17.9	21.5	19.7	17.9	16.2	16.2	14.3
87.5°	10.8	12.5	10.8	12.5	10.8	10.8	12.5	10.8	10.8	7.2	7.2
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°	3670.7	3670.7	3670.7	3670.7	3670.7	3670.7	3670.7	3670.7	3670.7	3670.7	3670.7
2.5°	3652.7	3654.5	3654.5	3661.7	3665.3	3667.0	3667.0	3681.4	3676.0	3679.7	3683.2
5°	3600.8	3611.5	3615.1	3615.1	3634.8	3642.0	3649.1	3665.3	3667.0	3677.8	3690.3
7.5°	3550.5	3563.1	3570.3	3586.4	3598.9	3611.5	3633.0	3643.8	3654.5	3668.9	3685.0
10°	3502.2	3516.5	3530.9	3543.4	3563.1	3579.2	3593.6	3618.6	3631.3	3651.0	3672.4
12.5°	3455.6	3475.3	3487.8	3509.3	3530.9	3545.2	3566.7	3590.0	3609.7	3629.4	3654.5
15°	3414.4	3437.7	3452.0	3475.3	3498.6	3518.3	3541.6	3570.3	3584.6	3607.9	3631.3
17.5°	3369.5	3394.7	3412.6	3434.1	3462.8	3484.2	3504.0	3532.6	3550.5	3575.6	3602.6
20°	3323.0	3348.0	3369.5	3391.1	3419.7	3441.2	3464.5	3493.2	3512.9	3538.0	3559.5
22.5°	3267.4	3290.7	3314.0	3339.0	3367.7	3385.7	3412.6	3437.7	3459.1	3482.5	3504.0
25°	3195.7	3224.4	3242.3	3265.6	3288.9	3308.6	3337.3	3362.4	3380.3	3401.8	3421.5
27.5°	3111.5	3133.0	3147.3	3167.0	3190.3	3208.2	3229.7	3254.9	3272.8	3292.5	3306.8
30°	2968.0	2987.8	3000.3	3014.7	3038.0	3054.1	3072.1	3095.3	3107.8	3122.2	3134.8
32.5°	2779.8	2796.0	2803.2	2813.9	2830.1	2846.2	2860.5	2880.2	2885.6	2894.6	2894.6
35°	2507.5	2511.0	2509.2	2512.9	2520.0	2528.9	2541.5	2554.0	2561.2	2561.2	2555.9
37.5°	2188.4	2166.9	2143.6	2125.7	2120.3	2116.7	2123.9	2129.2	2136.5	2140.0	2131.1
40°	1856.9	1808.5	1756.5	1709.8	1677.6	1663.3	1657.9	1661.4	1661.4	1674.0	1674.0
42.5°	1571.9	1496.6	1419.5	1349.6	1303.0	1267.2	1251.0	1251.0	1252.8	1261.8	1267.2
45°	1335.3	1240.3	1150.6	1073.6	1009.1	962.4	941.0	935.6	933.8	937.4	949.9
47.5°	1154.3	1055.7	962.4	867.5	799.4	752.8	733.1	725.9	718.7	725.9	727.7
50°	1012.7	910.5	811.9	716.9	645.2	604.0	578.9	568.1	566.4	566.4	570.0
52.5°	883.6	788.6	690.1	593.3	518.0	478.6	455.3	449.9	442.7	449.9	449.9
55°	761.7	666.8	570.0	478.6	415.8	374.6	353.1	345.9	342.3	347.7	347.7
57.5°	629.1	548.4	458.9	376.4	313.7	285.0	268.8	259.9	258.1	261.7	258.1
60°	516.2	448.1	371.0	295.8	247.4	216.9	204.4	200.7	197.1	200.7	200.7
62.5°	408.6	351.3	288.5	231.2	190.0	168.5	154.1	154.1	152.3	152.3	154.1
65°	302.9	258.1	213.3	164.9	132.6	116.5	105.7	105.7	103.9	105.7	103.9
67.5°	220.4	190.0	154.1	120.1	95.0	86.0	78.9	73.5	77.1	73.5	71.7
70°	161.3	136.2	111.1	91.4	73.5	64.6	59.2	57.3	53.8	53.8	53.8
72.5°	107.6	91.4	75.2	59.2	48.4	39.4	37.6	34.1	30.5	32.2	35.9
75°	71.7	60.9	53.8	43.0	32.2	32.2	21.5	21.5	17.9	21.5	16.2
77.5°	50.2	41.2	32.2	26.9	21.5	19.7	14.3	14.3	12.5	12.5	12.5
80°	35.9	30.5	23.3	19.7	14.3	14.3	12.5	10.8	8.9	8.9	10.8
82.5°	21.5	16.2	16.2	14.3	8.9	7.2	5.4	7.2	3.6	3.6	3.6
85°	12.5	10.8	8.9	5.4	3.6	3.6	1.8	0.0	1.8	1.8	0.0
87.5°	7.2	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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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	3670.7	3670.7	3670.7	3670.7	3670.7	3670.7	3670.7	3670.7	3670.7	3670.7	3670.7
2.5°	3692.2	3690.3	3694.0	3694.0	3704.7	3702.9	3708.3	3708.3	3704.7	3706.5	3713.7
5°	3704.7	3710.1	3720.8	3729.8	3745.9	3753.1	3762.1	3771.1	3772.8	3778.2	3783.6
7.5°	3704.7	3722.7	3735.2	3751.3	3772.8	3785.4	3805.1	3821.2	3828.4	3837.3	3848.1
10°	3697.5	3715.4	3738.7	3756.7	3783.6	3803.3	3823.0	3848.1	3858.8	3873.2	3887.5
12.5°	3683.2	3702.9	3728.0	3751.3	3781.8	3799.7	3824.8	3848.1	3864.2	3883.9	3900.1
15°	3661.7	3685.0	3708.3	3731.6	3763.8	3785.4	3808.7	3835.5	3851.7	3873.2	3887.5
17.5°	3627.6	3652.7	3674.3	3695.7	3726.2	3751.3	3772.8	3797.9	3814.1	3832.0	3851.7
20°	3586.4	3609.7	3633.0	3651.0	3681.4	3702.9	3726.2	3749.5	3762.1	3765.7	3796.1
22.5°	3534.5	3550.5	3568.5	3597.2	3615.1	3634.8	3656.3	3677.8	3690.3	3710.1	3720.8
25°	3448.4	3464.5	3484.2	3496.8	3518.3	3534.5	3555.9	3579.2	3586.4	3600.8	3611.5
27.5°	3328.3	3337.3	3346.3	3357.0	3369.5	3378.5	3391.1	3401.8	3409.0	3416.1	3423.3
30°	3138.3	3138.3	3138.3	3131.1	3136.5	3141.9	3143.7	3141.9	3141.9	3140.1	3140.1
32.5°	2887.4	2873.1	2856.9	2842.6	2837.2	2830.1	2826.5	2821.1	2812.2	2806.8	2808.5
35°	2548.6	2516.4	2496.7	2478.8	2464.5	2453.7	2448.3	2442.9	2441.1	2434.0	2426.8
37.5°	2125.7	2102.4	2088.1	2077.3	2064.8	2054.0	2055.8	2057.6	2062.9	2059.4	2061.1
40°	1677.6	1672.2	1677.6	1665.1	1661.4	1665.1	1674.0	1686.6	1693.8	1700.9	1713.5
42.5°	1276.1	1285.1	1297.7	1297.7	1303.0	1310.2	1320.9	1340.7	1351.4	1363.9	1378.3
45°	960.7	971.4	987.6	992.9	996.5	1005.5	1018.1	1034.2	1041.3	1052.1	1064.6
47.5°	740.2	747.4	756.3	765.3	774.2	777.9	790.4	790.4	799.4	806.6	810.1
50°	577.1	584.3	591.4	596.8	600.4	605.8	609.4	614.8	616.5	620.1	621.9
52.5°	451.6	460.6	460.6	464.2	469.6	475.0	473.2	475.0	476.7	476.7	482.1
55°	353.1	353.1	358.5	358.5	362.1	360.2	362.1	362.1	362.1	362.1	363.8
57.5°	263.4	265.3	270.7	267.1	265.3	268.8	265.3	268.8	267.1	270.7	265.3
60°	202.5	202.5	204.4	204.4	206.1	206.1	206.1	204.4	204.4	202.5	202.5
62.5°	152.3	154.1	156.0	154.1	154.1	154.1	152.3	152.3	150.6	148.7	148.7
65°	102.2	100.4	103.9	100.4	102.2	102.2	100.4	102.2	96.8	98.6	96.8
67.5°	73.5	71.7	69.9	71.7	69.9	68.1	68.1	69.9	71.7	66.3	66.3
70°	48.4	50.2	48.4	50.2	52.0	52.0	50.2	48.4	50.2	46.6	48.4
72.5°	30.5	30.5	30.5	30.5	30.5	32.2	32.2	32.2	28.7	28.7	26.9
75°	14.3	19.7	16.2	14.3	19.7	19.7	17.9	17.9	16.2	16.2	16.2
77.5°	14.3	10.8	10.8	10.8	10.8	10.8	10.8	10.8	8.9	10.8	8.9
80°	7.2	7.2	7.2	5.4	7.2	7.2	8.9	7.2	7.2	5.4	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: P248668

CATALOG NUMBER: LD8B60D010 ER8B60835 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3670.7	3670.7	3670.7	3670.7	3670.7	3670.7	3670.7	3670.7	3670.7	3670.7	3670.7
2.5°	3711.9	3710.1	3711.9	3713.7	3711.9	3710.1	3711.9	3713.7	3706.5	3704.7	3708.3
5°	3790.8	3790.8	3794.3	3796.1	3794.3	3790.8	3790.8	3783.6	3778.2	3772.8	3771.1
7.5°	3858.8	3862.5	3866.0	3867.8	3866.0	3862.5	3858.8	3848.1	3837.3	3828.4	3821.2
10°	3900.1	3905.5	3912.6	3916.2	3912.6	3905.5	3900.1	3887.5	3873.2	3858.8	3848.1
12.5°	3918.0	3923.4	3932.3	3930.6	3932.3	3923.4	3918.0	3900.1	3883.9	3864.2	3848.1
15°	3905.5	3912.6	3921.6	3925.2	3921.6	3912.6	3905.5	3887.5	3873.2	3851.7	3835.5
17.5°	3866.0	3876.8	3882.2	3887.5	3882.2	3876.8	3866.0	3851.7	3832.0	3814.1	3797.9
20°	3812.2	3819.5	3826.6	3828.4	3826.6	3819.5	3812.2	3796.1	3765.7	3762.1	3749.5
22.5°	3735.2	3740.6	3756.7	3751.3	3756.7	3740.6	3735.2	3720.8	3710.1	3690.3	3677.8
25°	3624.0	3629.4	3631.3	3633.0	3631.3	3629.4	3624.0	3611.5	3600.8	3586.4	3579.2
27.5°	3432.3	3432.3	3435.8	3437.7	3435.8	3432.3	3432.3	3423.3	3416.1	3409.0	3401.8
30°	3141.9	3141.9	3141.9	3150.9	3141.9	3141.9	3141.9	3140.1	3140.1	3141.9	3141.9
32.5°	2806.8	2803.2	2799.6	2803.2	2799.6	2803.2	2806.8	2808.5	2806.8	2812.2	2821.1
35°	2426.8	2425.0	2430.4	2423.2	2430.4	2425.0	2426.8	2426.8	2434.0	2441.1	2442.9
37.5°	2062.9	2059.4	2066.5	2059.4	2066.5	2059.4	2062.9	2061.1	2059.4	2062.9	2057.6
40°	1717.1	1720.6	1720.6	1735.0	1720.6	1720.6	1717.1	1713.5	1700.9	1693.8	1686.6
42.5°	1385.5	1396.2	1392.6	1403.4	1392.6	1396.2	1385.5	1378.3	1363.9	1351.4	1340.7
45°	1071.8	1079.0	1079.0	1082.5	1079.0	1079.0	1071.8	1064.6	1052.1	1041.3	1034.2
47.5°	822.6	822.6	822.6	824.5	822.6	822.6	822.6	810.1	806.6	799.4	790.4
50°	625.5	627.3	629.1	630.9	629.1	627.3	625.5	621.9	620.1	616.5	614.8
52.5°	480.3	482.1	478.6	482.1	478.6	482.1	480.3	482.1	476.7	476.7	475.0
55°	363.8	362.1	363.8	365.6	363.8	362.1	363.8	363.8	362.1	362.1	362.1
57.5°	267.1	263.4	263.4	263.4	263.4	263.4	267.1	265.3	270.7	267.1	268.8
60°	199.0	200.7	200.7	202.5	200.7	200.7	199.0	202.5	202.5	204.4	204.4
62.5°	147.0	152.3	148.7	152.3	148.7	152.3	147.0	148.7	148.7	150.6	152.3
65°	95.0	95.0	95.0	96.8	95.0	95.0	95.0	96.8	98.6	96.8	102.2
67.5°	64.6	66.3	69.9	68.1	69.9	66.3	64.6	66.3	66.3	71.7	69.9
70°	52.0	46.6	46.6	52.0	46.6	46.6	52.0	48.4	46.6	50.2	48.4
72.5°	30.5	26.9	30.5	30.5	30.5	26.9	30.5	26.9	28.7	28.7	32.2
75°	16.2	14.3	12.5	17.9	12.5	14.3	16.2	16.2	16.2	16.2	17.9
77.5°	10.8	8.9	12.5	12.5	12.5	8.9	10.8	8.9	10.8	8.9	10.8
80°	5.4	7.2	5.4	8.9	5.4	7.2	5.4	8.9	5.4	7.2	7.2
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: P248668

CATALOG NUMBER: LD8B60D010 ER8B60835 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3670.7	3670.7	3670.7	3670.7	3670.7	3670.7	3670.7	3670.7	3670.7	3670.7	3670.7
2.5°	3708.3	3702.9	3704.7	3694.0	3694.0	3690.3	3692.2	3683.2	3679.7	3676.0	3681.4
5°	3762.1	3753.1	3745.9	3729.8	3720.8	3710.1	3704.7	3690.3	3677.8	3667.0	3665.3
7.5°	3805.1	3785.4	3772.8	3751.3	3735.2	3722.7	3704.7	3685.0	3668.9	3654.5	3643.8
10°	3823.0	3803.3	3783.6	3756.7	3738.7	3715.4	3697.5	3672.4	3651.0	3631.3	3618.6
12.5°	3824.8	3799.7	3781.8	3751.3	3728.0	3702.9	3683.2	3654.5	3629.4	3609.7	3590.0
15°	3808.7	3785.4	3763.8	3731.6	3708.3	3685.0	3661.7	3631.3	3607.9	3584.6	3570.3
17.5°	3772.8	3751.3	3726.2	3695.7	3674.3	3652.7	3627.6	3602.6	3575.6	3550.5	3532.6
20°	3726.2	3702.9	3681.4	3651.0	3633.0	3609.7	3586.4	3559.5	3538.0	3512.9	3493.2
22.5°	3656.3	3634.8	3615.1	3597.2	3568.5	3550.5	3534.5	3504.0	3482.5	3459.1	3437.7
25°	3555.9	3534.5	3518.3	3496.8	3484.2	3464.5	3448.4	3421.5	3401.8	3380.3	3362.4
27.5°	3391.1	3378.5	3369.5	3357.0	3346.3	3337.3	3328.3	3306.8	3292.5	3272.8	3254.9
30°	3143.7	3141.9	3136.5	3131.1	3138.3	3138.3	3138.3	3134.8	3122.2	3107.8	3095.3
32.5°	2826.5	2830.1	2837.2	2842.6	2856.9	2873.1	2887.4	2894.6	2894.6	2885.6	2880.2
35°	2448.3	2453.7	2464.5	2478.8	2496.7	2516.4	2548.6	2555.9	2561.2	2561.2	2554.0
37.5°	2055.8	2054.0	2064.8	2077.3	2088.1	2102.4	2125.7	2131.1	2140.0	2136.5	2129.2
40°	1674.0	1665.1	1661.4	1665.1	1677.6	1672.2	1677.6	1674.0	1674.0	1661.4	1661.4
42.5°	1320.9	1310.2	1303.0	1297.7	1297.7	1285.1	1276.1	1267.2	1261.8	1252.8	1251.0
45°	1018.1	1005.5	996.5	992.9	987.6	971.4	960.7	949.9	937.4	933.8	935.6
47.5°	790.4	777.9	774.2	765.3	756.3	747.4	740.2	727.7	725.9	718.7	725.9
50°	609.4	605.8	600.4	596.8	591.4	584.3	577.1	570.0	566.4	566.4	568.1
52.5°	473.2	475.0	469.6	464.2	460.6	460.6	451.6	449.9	449.9	442.7	449.9
55°	362.1	360.2	362.1	358.5	358.5	353.1	353.1	347.7	347.7	342.3	345.9
57.5°	265.3	268.8	265.3	267.1	270.7	265.3	263.4	258.1	261.7	258.1	259.9
60°	206.1	206.1	206.1	204.4	204.4	202.5	202.5	200.7	200.7	197.1	200.7
62.5°	152.3	154.1	154.1	154.1	156.0	154.1	152.3	154.1	152.3	152.3	154.1
65°	100.4	102.2	102.2	100.4	103.9	100.4	102.2	103.9	105.7	103.9	105.7
67.5°	68.1	68.1	69.9	71.7	69.9	71.7	73.5	71.7	73.5	77.1	73.5
70°	50.2	52.0	52.0	50.2	48.4	50.2	48.4	53.8	53.8	53.8	57.3
72.5°	32.2	32.2	30.5	30.5	30.5	30.5	30.5	35.9	32.2	30.5	34.1
75°	17.9	19.7	19.7	14.3	16.2	19.7	14.3	16.2	21.5	17.9	21.5
77.5°	10.8	10.8	10.8	10.8	10.8	10.8	14.3	12.5	12.5	12.5	14.3
80°	8.9	7.2	7.2	5.4	7.2	7.2	7.2	10.8	8.9	8.9	10.8
82.5°	3.6	3.6	1.8	0.0	3.6	3.6	3.6	3.6	3.6	3.6	7.2
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: P248668

CATALOG NUMBER: LD8B60D010 ER8B60835 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3670.7	3670.7	3670.7	3670.7	3670.7	3670.7	3670.7	3670.7	3670.7	3670.7	3670.7
2.5°	3667.0	3667.0	3665.3	3661.7	3654.5	3654.5	3652.7	3647.3	3643.8	3642.0	3642.0
5°	3649.1	3642.0	3634.8	3615.1	3615.1	3611.5	3600.8	3593.6	3590.0	3581.0	3577.5
7.5°	3633.0	3611.5	3598.9	3586.4	3570.3	3563.1	3550.5	3545.2	3532.6	3523.7	3518.3
10°	3593.6	3579.2	3563.1	3543.4	3530.9	3516.5	3502.2	3491.5	3475.3	3466.3	3459.1
12.5°	3566.7	3545.2	3530.9	3509.3	3487.8	3475.3	3455.6	3443.1	3426.9	3409.0	3398.2
15°	3541.6	3518.3	3498.6	3475.3	3452.0	3437.7	3414.4	3400.1	3376.7	3358.8	3346.3
17.5°	3504.0	3484.2	3462.8	3434.1	3412.6	3394.7	3369.5	3351.7	3330.1	3306.8	3294.3
20°	3464.5	3441.2	3419.7	3391.1	3369.5	3348.0	3323.0	3303.3	3278.1	3256.6	3242.3
22.5°	3412.6	3385.7	3367.7	3339.0	3314.0	3290.7	3267.4	3244.1	3220.8	3202.9	3186.7
25°	3337.3	3308.6	3288.9	3265.6	3242.3	3224.4	3195.7	3181.4	3158.1	3141.9	3125.8
27.5°	3229.7	3208.2	3190.3	3167.0	3147.3	3133.0	3111.5	3097.1	3077.4	3063.1	3050.5
30°	3072.1	3054.1	3038.0	3014.7	3000.3	2987.8	2968.0	2955.5	2941.2	2925.0	2921.5
32.5°	2860.5	2846.2	2830.1	2813.9	2803.2	2796.0	2779.8	2772.7	2758.4	2749.4	2740.4
35°	2541.5	2528.9	2520.0	2512.9	2509.2	2511.0	2507.5	2514.6	2518.2	2516.4	2518.2
37.5°	2123.9	2116.7	2120.3	2125.7	2143.6	2166.9	2188.4	2220.6	2242.2	2263.7	2283.4
40°	1657.9	1663.3	1677.6	1709.8	1756.5	1808.5	1856.9	1917.8	1978.7	2021.8	2061.1
42.5°	1251.0	1267.2	1303.0	1349.6	1419.5	1496.6	1571.9	1661.4	1735.0	1806.6	1856.9
45°	941.0	962.4	1009.1	1073.6	1150.6	1240.3	1335.3	1435.6	1523.5	1597.0	1652.5
47.5°	733.1	752.8	799.4	867.5	962.4	1055.7	1154.3	1258.2	1349.6	1421.3	1469.7
50°	578.9	604.0	645.2	716.9	811.9	910.5	1012.7	1114.8	1200.9	1261.8	1304.8
52.5°	455.3	478.6	518.0	593.3	690.1	788.6	883.6	984.0	1059.2	1118.4	1147.1
55°	353.1	374.6	415.8	478.6	570.0	666.8	761.7	847.8	917.7	960.7	987.6
57.5°	268.8	285.0	313.7	376.4	458.9	548.4	629.1	715.2	768.9	799.4	817.3
60°	204.4	216.9	247.4	295.8	371.0	448.1	516.2	580.7	623.8	648.8	666.8
62.5°	154.1	168.5	190.0	231.2	288.5	351.3	408.6	457.0	492.9	509.0	521.6
65°	105.7	116.5	132.6	164.9	213.3	258.1	302.9	338.8	362.1	380.0	387.2
67.5°	78.9	86.0	95.0	120.1	154.1	190.0	220.4	245.5	270.7	277.8	290.4
70°	59.2	64.6	73.5	91.4	111.1	136.2	161.3	175.7	193.6	206.1	209.7
72.5°	37.6	39.4	48.4	59.2	75.2	91.4	107.6	120.1	130.9	138.0	141.6
75°	21.5	32.2	32.2	43.0	53.8	60.9	71.7	80.6	86.0	91.4	91.4
77.5°	14.3	19.7	21.5	26.9	32.2	41.2	50.2	55.6	60.9	62.7	62.7
80°	12.5	14.3	14.3	19.7	23.3	30.5	35.9	37.6	41.2	43.0	46.6
82.5°	5.4	7.2	8.9	14.3	16.2	16.2	21.5	23.3	26.9	28.7	28.7
85°	1.8	3.6	3.6	5.4	8.9	10.8	12.5	14.3	16.2	16.2	17.9
87.5°	1.8	1.8	0.0	1.8	3.6	3.6	7.2	7.2	7.2	10.8	10.8
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: P248668

CATALOG NUMBER: LD8B60D010 ER8B60835 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	3670.7	3670.7	3670.7	3670.7	3670.7	3670.7	3670.7
2.5°	3638.4	3640.2	3633.0	3631.3	3627.6	3629.4	3633.0
5°	3572.1	3573.9	3566.7	3559.5	3559.5	3557.7	3559.5
7.5°	3509.3	3511.2	3500.4	3496.8	3489.6	3491.5	3491.5
10°	3446.6	3446.6	3430.5	3428.7	3423.3	3421.5	3421.5
12.5°	3385.7	3380.3	3367.7	3360.6	3364.2	3353.4	3353.4
15°	3331.9	3323.0	3306.8	3301.4	3292.5	3288.9	3288.9
17.5°	3276.3	3269.2	3254.9	3244.1	3233.3	3231.6	3233.3
20°	3222.6	3215.4	3197.5	3190.3	3181.4	3181.4	3177.8
22.5°	3168.8	3161.6	3145.5	3140.1	3127.6	3127.6	3129.4
25°	3113.2	3107.8	3089.9	3086.4	3084.6	3077.4	3081.0
27.5°	3038.0	3034.4	3020.0	3014.7	3007.5	3005.7	3009.3
30°	2899.9	2894.6	2883.9	2878.5	2865.9	2867.7	2871.2
32.5°	2727.9	2720.7	2706.4	2701.0	2690.3	2686.7	2688.4
35°	2512.9	2507.5	2494.9	2494.9	2484.2	2480.5	2484.2
37.5°	2294.2	2299.5	2294.2	2299.5	2294.2	2292.3	2294.2
40°	2088.1	2107.8	2111.3	2131.1	2123.9	2134.6	2132.9
42.5°	1890.9	1923.1	1935.7	1951.8	1948.3	1955.4	1960.8
45°	1691.9	1718.8	1731.4	1742.2	1743.9	1747.5	1749.3
47.5°	1503.7	1525.3	1527.0	1539.6	1537.8	1537.8	1543.2
50°	1328.1	1342.4	1346.0	1355.0	1347.8	1344.2	1346.0
52.5°	1165.0	1179.3	1175.7	1179.3	1170.4	1166.8	1168.6
55°	998.3	1005.5	1005.5	1005.5	994.8	994.8	994.8
57.5°	828.0	829.9	826.3	828.0	826.3	815.5	813.7
60°	672.1	672.1	670.3	672.1	666.8	661.4	661.4
62.5°	525.1	528.7	535.9	528.7	525.1	528.7	523.3
65°	392.5	399.7	397.9	401.5	399.7	399.7	396.1
67.5°	295.8	297.5	299.3	301.1	301.1	301.1	301.1
70°	216.9	222.3	220.4	220.4	220.4	220.4	231.2
72.5°	145.2	152.3	150.6	154.1	154.1	157.7	154.1
75°	98.6	105.7	102.2	107.6	105.7	102.2	111.1
77.5°	66.3	69.9	71.7	73.5	71.7	69.9	71.7
80°	46.6	50.2	48.4	50.2	50.2	50.2	52.0
82.5°	28.7	34.1	32.2	34.1	32.2	34.1	34.1
85°	19.7	21.5	17.9	21.5	19.7	19.7	23.3
87.5°	12.5	10.8	10.8	12.5	10.8	12.5	10.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)