

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: P248903

Luminaire Tested: **LD8B70D010 ER8B70850 8LBSW0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248903
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: LD8B70D010 ER8B70850 8LBSW0B
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 5000 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5827.0 lumens
Efficiency: N/A
Efficacy: 76.8 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

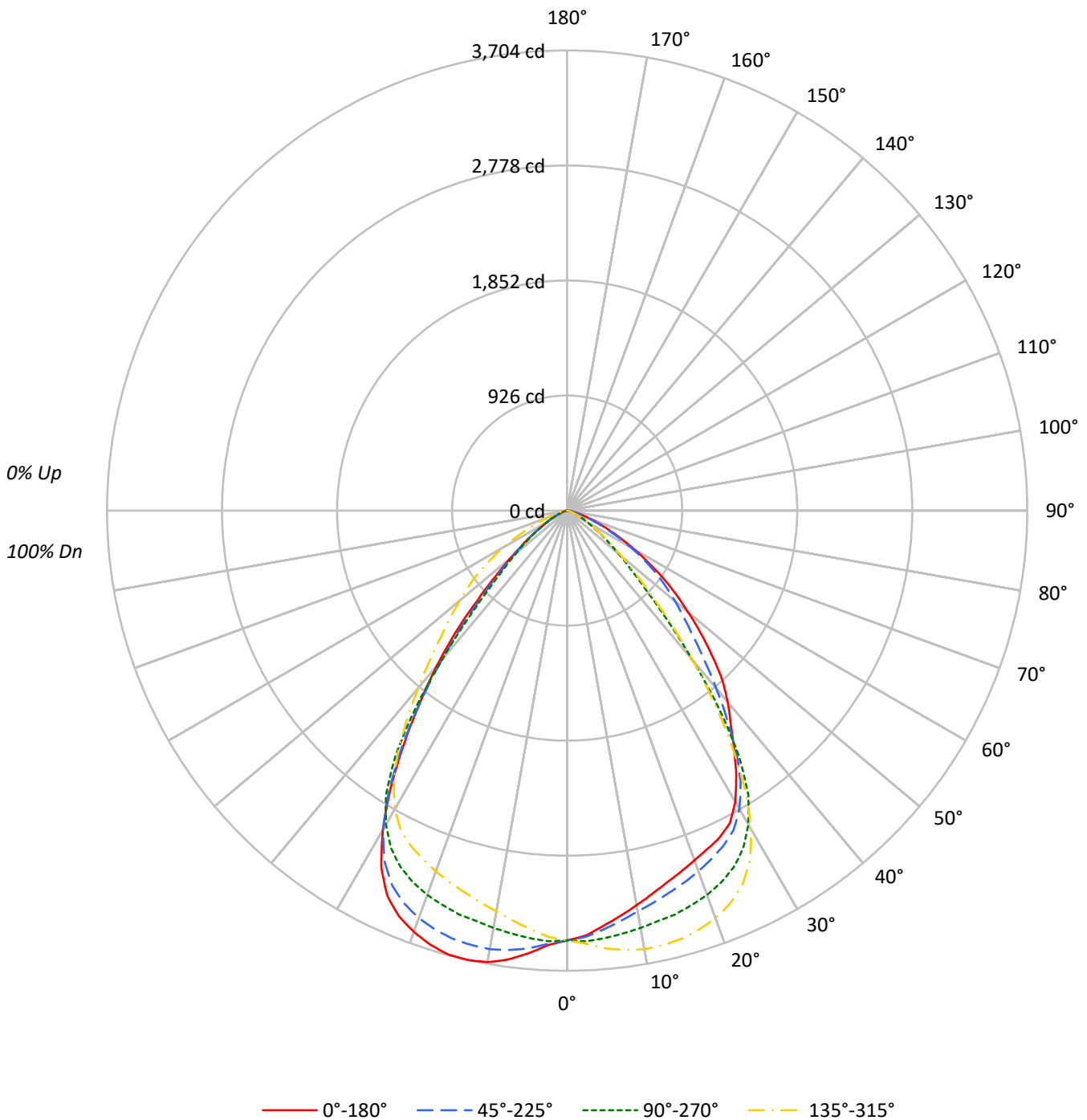
Input Watts (W): 75.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	106672	106672	106672	106672
5°	103839	106922	110741	106922
10°	100966	106783	115563	106783
15°	98949	107418	118094	107418
20°	98275	108031	118398	108031
25°	98792	107816	116492	107816
30°	96348	103868	105734	103868
35°	88129	90610	85968	90610
40°	80910	63030	65819	63030
45°	71894	38450	44490	38450
50°	60853	25685	28525	25685
55°	50401	17526	18526	17526
60°	38441	11668	11767	11668
65°	27238	7267	6654	7267
70°	19646	4869	4418	4869
75°	12474	2419	2014	2419
80°	8701	1811	1492	1811
85°	7784	0	601	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	329.3	5.7
10°-20°	953.5	16.4
20°-30°	1443.8	24.8
30°-40°	1447.0	24.8
40°-50°	908.7	15.6
50°-60°	484.2	8.3
60°-70°	199.1	3.4
70°-80°	52.6	0.9
80°-90°	8.9	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°	2726.5	46.8
0°-40°	4173.5	71.6
0°-60°	5566.4	95.5
0°-90°	5827.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5827.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3459	3459	3459	3459	3459	
5°	3355	3454	3578	3454	3355	316
15°	3100	3365	3699	3365	3100	877
25°	2904	3169	3424	3169	2904	1332
35°	2341	2407	2284	2407	2341	1467
45°	1649	882	1020	882	1649	1268
55°	938	326	345	326	938	836
65°	373	100	91	100	373	387
75°	105	20	17	20	105	119
85°	22	0	2	0	22	24
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°	3459.3	3459.3	3459.3	3459.3	3459.3	3459.3	3459.3	3459.3	3459.3	3459.3	3459.3
2.5°	3423.8	3420.4	3418.8	3422.2	3423.8	3430.6	3428.9	3432.3	3432.3	3434.0	3437.3
5°	3354.6	3352.9	3354.6	3354.6	3361.3	3368.1	3366.4	3371.5	3374.8	3383.3	3386.7
7.5°	3290.4	3290.4	3288.7	3295.4	3298.8	3309.0	3307.3	3315.7	3320.8	3329.2	3341.0
10°	3224.5	3224.5	3226.2	3231.3	3233.0	3248.2	3248.2	3260.0	3266.7	3275.2	3290.4
12.5°	3160.3	3160.3	3170.5	3167.1	3173.8	3185.7	3190.7	3202.5	3212.7	3229.6	3244.8
15°	3099.5	3099.5	3102.9	3111.3	3116.4	3131.6	3140.0	3153.6	3165.4	3182.3	3204.3
17.5°	3047.2	3045.5	3047.2	3057.3	3067.5	3080.9	3087.7	3104.6	3116.4	3138.4	3158.7
20°	2994.8	2998.2	2998.2	3006.6	3013.4	3030.3	3037.0	3055.6	3069.1	3089.4	3113.1
22.5°	2949.2	2947.5	2947.5	2959.3	2964.4	2979.6	2986.3	3003.2	3018.4	3035.3	3057.3
25°	2903.6	2900.2	2907.0	2908.7	2912.0	2928.9	2934.0	2945.8	2961.0	2976.2	2998.2
27.5°	2836.0	2832.7	2834.3	2841.1	2846.2	2859.6	2863.1	2874.9	2886.7	2900.2	2918.8
30°	2705.9	2702.6	2700.9	2712.7	2717.8	2727.9	2733.0	2753.3	2756.6	2771.8	2785.3
32.5°	2533.6	2532.0	2535.4	2545.5	2550.5	2564.1	2570.8	2582.7	2591.1	2599.6	2613.0
35°	2341.1	2337.7	2341.1	2351.3	2351.3	2363.1	2368.2	2373.2	2371.5	2373.2	2369.8
37.5°	2162.1	2160.4	2162.1	2167.1	2162.1	2167.1	2162.1	2151.9	2133.4	2113.1	2092.8
40°	2010.0	2011.7	2001.6	2008.4	1989.7	1986.4	1967.8	1942.5	1905.3	1864.8	1807.4
42.5°	1847.9	1842.8	1836.1	1839.4	1824.3	1812.4	1782.0	1750.0	1702.6	1635.1	1565.8
45°	1648.6	1646.9	1643.5	1641.8	1631.7	1619.9	1594.5	1557.4	1505.0	1435.8	1353.0
47.5°	1454.3	1449.3	1449.3	1450.9	1439.1	1437.4	1417.1	1385.1	1339.5	1271.9	1185.8
50°	1268.5	1266.8	1270.2	1277.0	1268.5	1265.2	1251.7	1229.7	1189.2	1131.7	1050.6
52.5°	1101.3	1099.6	1103.0	1111.4	1108.0	1111.4	1097.9	1081.1	1054.0	998.2	927.3
55°	937.5	937.5	937.5	947.6	947.6	947.6	940.8	930.7	905.4	864.8	799.0
57.5°	766.9	768.5	778.7	780.4	778.7	782.1	780.4	770.2	753.4	724.7	674.0
60°	623.3	623.3	628.4	633.4	631.7	633.4	633.4	628.4	611.5	587.8	547.3
62.5°	493.2	498.3	494.9	498.3	505.0	498.3	494.9	491.5	479.7	464.5	430.7
65°	373.3	376.7	376.7	378.4	375.0	376.7	369.9	364.9	358.1	341.2	319.3
67.5°	283.8	283.8	283.8	283.8	282.1	280.4	278.7	273.7	261.8	255.1	231.4
70°	217.9	207.7	207.7	207.7	207.7	209.5	204.4	197.7	194.3	182.4	165.5
72.5°	145.2	148.6	145.2	145.2	141.9	143.6	136.8	133.4	130.1	123.3	113.2
75°	104.7	96.3	99.6	101.4	96.3	99.6	92.9	86.1	86.1	81.1	76.0
77.5°	67.6	65.9	67.6	69.2	67.6	65.9	62.5	59.1	59.1	57.4	52.4
80°	49.0	47.3	47.3	47.3	45.6	47.3	43.9	43.9	40.5	38.9	35.5
82.5°	32.1	32.1	30.4	32.1	30.4	32.1	27.0	27.0	27.0	25.3	22.0
85°	22.0	18.6	18.6	20.3	16.9	20.3	18.6	16.9	15.2	15.2	13.5
87.5°	10.2	11.8	10.2	11.8	10.2	10.2	11.8	10.2	10.2	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



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	3459.3	3459.3	3459.3	3459.3	3459.3	3459.3	3459.3	3459.3	3459.3	3459.3	3459.3
2.5°	3442.4	3444.1	3444.1	3450.9	3454.2	3455.9	3455.9	3469.5	3464.4	3467.8	3471.1
5°	3393.5	3403.5	3407.0	3407.0	3425.5	3432.3	3439.0	3454.2	3455.9	3466.0	3477.9
7.5°	3346.1	3357.9	3364.8	3379.9	3391.7	3403.5	3423.8	3434.0	3444.1	3457.6	3472.8
10°	3300.5	3314.1	3327.6	3339.4	3357.9	3373.2	3386.7	3410.3	3422.2	3440.7	3461.0
12.5°	3256.6	3275.2	3287.0	3307.3	3327.6	3341.0	3361.3	3383.3	3401.9	3420.4	3444.1
15°	3217.8	3239.7	3253.2	3275.2	3297.2	3315.7	3337.7	3364.8	3378.2	3400.2	3422.2
17.5°	3175.5	3199.2	3216.1	3236.3	3263.4	3283.6	3302.2	3329.2	3346.1	3369.8	3395.1
20°	3131.6	3155.3	3175.5	3195.8	3222.8	3243.1	3265.1	3292.1	3310.7	3334.3	3354.6
22.5°	3079.3	3101.2	3123.2	3146.8	3173.8	3190.7	3216.1	3239.7	3260.0	3281.9	3302.2
25°	3011.7	3038.7	3055.6	3077.5	3099.5	3118.1	3145.1	3168.8	3185.7	3206.0	3224.5
27.5°	2932.3	2952.6	2966.1	2984.7	3006.6	3023.5	3043.8	3067.5	3084.4	3102.9	3116.4
30°	2797.1	2815.8	2827.6	2841.1	2863.1	2878.3	2895.2	2917.1	2928.9	2942.5	2954.3
32.5°	2619.8	2635.0	2641.8	2651.9	2667.1	2682.3	2695.8	2714.4	2719.5	2727.9	2727.9
35°	2363.1	2366.4	2364.8	2368.2	2374.9	2383.3	2395.1	2407.0	2413.7	2413.7	2408.7
37.5°	2062.4	2042.2	2020.2	2003.3	1998.2	1994.8	2001.6	2006.6	2013.5	2016.8	2008.4
40°	1750.0	1704.3	1655.3	1611.4	1581.0	1567.5	1562.4	1565.8	1565.8	1577.6	1577.6
42.5°	1481.4	1410.4	1337.8	1271.9	1228.0	1194.2	1179.0	1179.0	1180.7	1189.2	1194.2
45°	1258.4	1168.9	1084.4	1011.8	951.0	907.0	886.8	881.7	880.1	883.4	895.2
47.5°	1087.8	994.9	907.0	817.5	753.4	709.4	690.9	684.1	677.3	684.1	685.8
50°	954.4	858.1	765.2	675.6	608.1	569.2	545.6	535.4	533.7	533.7	537.2
52.5°	832.7	743.2	650.3	559.1	488.1	451.0	429.0	424.0	417.2	424.0	424.0
55°	717.8	628.4	537.2	451.0	391.8	353.0	332.7	326.0	322.6	327.7	327.7
57.5°	592.9	516.9	432.4	354.7	295.6	268.6	253.4	244.9	243.2	246.6	243.2
60°	486.5	422.3	349.6	278.7	233.1	204.4	192.6	189.2	185.8	189.2	189.2
62.5°	385.1	331.1	271.9	217.9	179.0	158.8	145.2	145.2	143.6	143.6	145.2
65°	285.5	243.2	201.0	155.4	125.0	109.8	99.6	99.6	98.0	99.6	98.0
67.5°	207.7	179.0	145.2	113.2	89.5	81.1	74.3	69.2	72.7	69.2	67.6
70°	152.1	128.3	104.7	86.1	69.2	60.8	55.8	54.0	50.7	50.7	50.7
72.5°	101.4	86.1	70.9	55.8	45.6	37.1	35.5	32.1	28.7	30.4	33.8
75°	67.6	57.4	50.7	40.5	30.4	30.4	20.3	20.3	16.9	20.3	15.2
77.5°	47.3	38.9	30.4	25.3	20.3	18.6	13.5	13.5	11.8	11.8	11.8
80°	33.8	28.7	22.0	18.6	13.5	13.5	11.8	10.2	8.4	8.4	10.2
82.5°	20.3	15.2	15.2	13.5	8.4	6.7	5.1	6.7	3.4	3.4	3.4
85°	11.8	10.2	8.4	5.1	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



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	3459.3	3459.3	3459.3	3459.3	3459.3	3459.3	3459.3	3459.3	3459.3	3459.3	3459.3
2.5°	3479.6	3477.9	3481.3	3481.3	3491.4	3489.7	3494.8	3494.8	3491.4	3493.1	3499.8
5°	3491.4	3496.5	3506.6	3515.1	3530.2	3537.0	3545.4	3553.9	3555.6	3560.7	3565.7
7.5°	3491.4	3508.3	3520.1	3535.3	3555.6	3567.4	3586.0	3601.2	3608.0	3616.4	3626.5
10°	3484.6	3501.5	3523.5	3540.4	3565.7	3584.3	3602.9	3626.5	3636.7	3650.2	3663.7
12.5°	3471.1	3489.7	3513.3	3535.3	3564.0	3580.9	3604.5	3626.5	3641.7	3660.3	3675.5
15°	3450.9	3472.8	3494.8	3516.7	3547.1	3567.4	3589.4	3614.7	3629.9	3650.2	3663.7
17.5°	3418.8	3442.4	3462.7	3482.9	3511.7	3535.3	3555.6	3579.2	3594.5	3611.4	3629.9
20°	3379.9	3401.9	3423.8	3440.7	3469.5	3489.7	3511.7	3533.6	3545.4	3548.9	3577.6
22.5°	3331.0	3346.1	3363.0	3390.1	3407.0	3425.5	3445.8	3466.0	3477.9	3496.5	3506.6
25°	3249.8	3265.1	3283.6	3295.4	3315.7	3331.0	3351.2	3373.2	3379.9	3393.5	3403.5
27.5°	3136.7	3145.1	3153.6	3163.7	3175.5	3184.0	3195.8	3206.0	3212.7	3219.4	3226.2
30°	2957.6	2957.6	2957.6	2950.9	2955.9	2961.0	2962.7	2961.0	2961.0	2959.3	2959.3
32.5°	2721.2	2707.7	2692.4	2679.0	2673.9	2667.1	2663.7	2658.7	2650.2	2645.2	2646.8
35°	2401.9	2371.5	2352.9	2336.1	2322.6	2312.4	2307.3	2302.3	2300.6	2293.9	2287.0
37.5°	2003.3	1981.3	1967.8	1957.7	1945.9	1935.7	1937.4	1939.1	1944.1	1940.8	1942.5
40°	1581.0	1575.9	1581.0	1569.2	1565.8	1569.2	1577.6	1589.5	1596.2	1603.0	1614.8
42.5°	1202.7	1211.1	1223.0	1223.0	1228.0	1234.8	1244.9	1263.5	1273.6	1285.4	1298.9
45°	905.4	915.5	930.7	935.7	939.1	947.6	959.5	974.6	981.4	991.5	1003.3
47.5°	697.6	704.4	712.8	721.3	729.7	733.1	744.9	744.9	753.4	760.1	763.5
50°	543.9	550.6	557.4	562.5	565.9	570.9	574.3	579.4	581.0	584.4	586.1
52.5°	425.6	434.1	434.1	437.5	442.5	447.6	445.9	447.6	449.3	449.3	454.3
55°	332.7	332.7	337.8	337.8	341.2	339.5	341.2	341.2	341.2	341.2	342.9
57.5°	248.3	250.0	255.1	251.7	250.0	253.4	250.0	253.4	251.7	255.1	250.0
60°	190.8	190.8	192.6	192.6	194.3	194.3	194.3	192.6	192.6	190.8	190.8
62.5°	143.6	145.2	147.0	145.2	145.2	145.2	143.6	143.6	141.9	140.2	140.2
65°	96.3	94.6	98.0	94.6	96.3	96.3	94.6	96.3	91.2	92.9	91.2
67.5°	69.2	67.6	65.9	67.6	65.9	64.2	64.2	65.9	67.6	62.5	62.5
70°	45.6	47.3	45.6	47.3	49.0	49.0	47.3	45.6	47.3	43.9	45.6
72.5°	28.7	28.7	28.7	28.7	28.7	30.4	30.4	30.4	27.0	27.0	25.3
75°	13.5	18.6	15.2	13.5	18.6	18.6	16.9	16.9	15.2	15.2	15.2
77.5°	13.5	10.2	10.2	10.2	10.2	10.2	10.2	10.2	8.4	10.2	8.4
80°	6.7	6.7	6.7	5.1	6.7	6.7	8.4	6.7	6.7	5.1	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: P248903

CATALOG NUMBER: LD8B70D010 ER8B70850 8LBSW0B

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3459.3	3459.3	3459.3	3459.3	3459.3	3459.3	3459.3	3459.3	3459.3	3459.3	3459.3
2.5°	3498.2	3496.5	3498.2	3499.8	3498.2	3496.5	3498.2	3499.8	3493.1	3491.4	3494.8
5°	3572.5	3572.5	3575.8	3577.6	3575.8	3572.5	3572.5	3565.7	3560.7	3555.6	3553.9
7.5°	3636.7	3640.1	3643.4	3645.1	3643.4	3640.1	3636.7	3626.5	3616.4	3608.0	3601.2
10°	3675.5	3680.6	3687.3	3690.7	3687.3	3680.6	3675.5	3663.7	3650.2	3636.7	3626.5
12.5°	3692.4	3697.5	3705.9	3704.2	3705.9	3697.5	3692.4	3675.5	3660.3	3641.7	3626.5
15°	3680.6	3687.3	3695.8	3699.2	3695.8	3687.3	3680.6	3663.7	3650.2	3629.9	3614.7
17.5°	3643.4	3653.6	3658.6	3663.7	3658.6	3653.6	3643.4	3629.9	3611.4	3594.5	3579.2
20°	3592.7	3599.5	3606.3	3608.0	3606.3	3599.5	3592.7	3577.6	3548.9	3545.4	3533.6
22.5°	3520.1	3525.2	3540.4	3535.3	3540.4	3525.2	3520.1	3506.6	3496.5	3477.9	3466.0
25°	3415.4	3420.4	3422.2	3423.8	3422.2	3420.4	3415.4	3403.5	3393.5	3379.9	3373.2
27.5°	3234.7	3234.7	3238.0	3239.7	3238.0	3234.7	3234.7	3226.2	3219.4	3212.7	3206.0
30°	2961.0	2961.0	2961.0	2969.5	2961.0	2961.0	2961.0	2959.3	2959.3	2961.0	2961.0
32.5°	2645.2	2641.8	2638.4	2641.8	2638.4	2641.8	2645.2	2646.8	2645.2	2650.2	2658.7
35°	2287.0	2285.4	2290.4	2283.7	2290.4	2285.4	2287.0	2287.0	2293.9	2300.6	2302.3
37.5°	1944.1	1940.8	1947.5	1940.8	1947.5	1940.8	1944.1	1942.5	1940.8	1944.1	1939.1
40°	1618.2	1621.5	1621.5	1635.1	1621.5	1621.5	1618.2	1614.8	1603.0	1596.2	1589.5
42.5°	1305.7	1315.8	1312.4	1322.6	1312.4	1315.8	1305.7	1298.9	1285.4	1273.6	1263.5
45°	1010.1	1016.9	1016.9	1020.2	1016.9	1016.9	1010.1	1003.3	991.5	981.4	974.6
47.5°	775.3	775.3	775.3	777.0	775.3	775.3	775.3	763.5	760.1	753.4	744.9
50°	589.5	591.2	592.9	594.6	592.9	591.2	589.5	586.1	584.4	581.0	579.4
52.5°	452.7	454.3	451.0	454.3	451.0	454.3	452.7	454.3	449.3	449.3	447.6
55°	342.9	341.2	342.9	344.6	342.9	341.2	342.9	342.9	341.2	341.2	341.2
57.5°	251.7	248.3	248.3	248.3	248.3	248.3	251.7	250.0	255.1	251.7	253.4
60°	187.5	189.2	189.2	190.8	189.2	189.2	187.5	190.8	190.8	192.6	192.6
62.5°	138.5	143.6	140.2	143.6	140.2	143.6	138.5	140.2	140.2	141.9	143.6
65°	89.5	89.5	89.5	91.2	89.5	89.5	89.5	91.2	92.9	91.2	96.3
67.5°	60.8	62.5	65.9	64.2	65.9	62.5	60.8	62.5	62.5	67.6	65.9
70°	49.0	43.9	43.9	49.0	43.9	43.9	49.0	45.6	43.9	47.3	45.6
72.5°	28.7	25.3	28.7	28.7	28.7	25.3	28.7	25.3	27.0	27.0	30.4
75°	15.2	13.5	11.8	16.9	11.8	13.5	15.2	15.2	15.2	15.2	16.9
77.5°	10.2	8.4	11.8	11.8	11.8	8.4	10.2	8.4	10.2	8.4	10.2
80°	5.1	6.7	5.1	8.4	5.1	6.7	5.1	8.4	5.1	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: P248903

CATALOG NUMBER: LD8B70D010 ER8B70850 8LBSW0B

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3459.3	3459.3	3459.3	3459.3	3459.3	3459.3	3459.3	3459.3	3459.3	3459.3	3459.3
2.5°	3494.8	3489.7	3491.4	3481.3	3481.3	3477.9	3479.6	3471.1	3467.8	3464.4	3469.5
5°	3545.4	3537.0	3530.2	3515.1	3506.6	3496.5	3491.4	3477.9	3466.0	3455.9	3454.2
7.5°	3586.0	3567.4	3555.6	3535.3	3520.1	3508.3	3491.4	3472.8	3457.6	3444.1	3434.0
10°	3602.9	3584.3	3565.7	3540.4	3523.5	3501.5	3484.6	3461.0	3440.7	3422.2	3410.3
12.5°	3604.5	3580.9	3564.0	3535.3	3513.3	3489.7	3471.1	3444.1	3420.4	3401.9	3383.3
15°	3589.4	3567.4	3547.1	3516.7	3494.8	3472.8	3450.9	3422.2	3400.2	3378.2	3364.8
17.5°	3555.6	3535.3	3511.7	3482.9	3462.7	3442.4	3418.8	3395.1	3369.8	3346.1	3329.2
20°	3511.7	3489.7	3469.5	3440.7	3423.8	3401.9	3379.9	3354.6	3334.3	3310.7	3292.1
22.5°	3445.8	3425.5	3407.0	3390.1	3363.0	3346.1	3331.0	3302.2	3281.9	3260.0	3239.7
25°	3351.2	3331.0	3315.7	3295.4	3283.6	3265.1	3249.8	3224.5	3206.0	3185.7	3168.8
27.5°	3195.8	3184.0	3175.5	3163.7	3153.6	3145.1	3136.7	3116.4	3102.9	3084.4	3067.5
30°	2962.7	2961.0	2955.9	2950.9	2957.6	2957.6	2957.6	2954.3	2942.5	2928.9	2917.1
32.5°	2663.7	2667.1	2673.9	2679.0	2692.4	2707.7	2721.2	2727.9	2727.9	2719.5	2714.4
35°	2307.3	2312.4	2322.6	2336.1	2352.9	2371.5	2401.9	2408.7	2413.7	2413.7	2407.0
37.5°	1937.4	1935.7	1945.9	1957.7	1967.8	1981.3	2003.3	2008.4	2016.8	2013.5	2006.6
40°	1577.6	1569.2	1565.8	1569.2	1581.0	1575.9	1581.0	1577.6	1577.6	1565.8	1565.8
42.5°	1244.9	1234.8	1228.0	1223.0	1223.0	1211.1	1202.7	1194.2	1189.2	1180.7	1179.0
45°	959.5	947.6	939.1	935.7	930.7	915.5	905.4	895.2	883.4	880.1	881.7
47.5°	744.9	733.1	729.7	721.3	712.8	704.4	697.6	685.8	684.1	677.3	684.1
50°	574.3	570.9	565.9	562.5	557.4	550.6	543.9	537.2	533.7	533.7	535.4
52.5°	445.9	447.6	442.5	437.5	434.1	434.1	425.6	424.0	424.0	417.2	424.0
55°	341.2	339.5	341.2	337.8	337.8	332.7	332.7	327.7	327.7	322.6	326.0
57.5°	250.0	253.4	250.0	251.7	255.1	250.0	248.3	243.2	246.6	243.2	244.9
60°	194.3	194.3	194.3	192.6	192.6	190.8	190.8	189.2	189.2	185.8	189.2
62.5°	143.6	145.2	145.2	145.2	147.0	145.2	143.6	145.2	143.6	143.6	145.2
65°	94.6	96.3	96.3	94.6	98.0	94.6	96.3	98.0	99.6	98.0	99.6
67.5°	64.2	64.2	65.9	67.6	65.9	67.6	69.2	67.6	69.2	72.7	69.2
70°	47.3	49.0	49.0	47.3	45.6	47.3	45.6	50.7	50.7	50.7	54.0
72.5°	30.4	30.4	28.7	28.7	28.7	28.7	28.7	33.8	30.4	28.7	32.1
75°	16.9	18.6	18.6	13.5	15.2	18.6	13.5	15.2	20.3	16.9	20.3
77.5°	10.2	10.2	10.2	10.2	10.2	10.2	13.5	11.8	11.8	11.8	13.5
80°	8.4	6.7	6.7	5.1	6.7	6.7	6.7	10.2	8.4	8.4	10.2
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: P248903

CATALOG NUMBER: LD8B70D010 ER8B70850 8LBSW0B

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3459.3	3459.3	3459.3	3459.3	3459.3	3459.3	3459.3	3459.3	3459.3	3459.3	3459.3
2.5°	3455.9	3455.9	3454.2	3450.9	3444.1	3444.1	3442.4	3437.3	3434.0	3432.3	3432.3
5°	3439.0	3432.3	3425.5	3407.0	3407.0	3403.5	3393.5	3386.7	3383.3	3374.8	3371.5
7.5°	3423.8	3403.5	3391.7	3379.9	3364.8	3357.9	3346.1	3341.0	3329.2	3320.8	3315.7
10°	3386.7	3373.2	3357.9	3339.4	3327.6	3314.1	3300.5	3290.4	3275.2	3266.7	3260.0
12.5°	3361.3	3341.0	3327.6	3307.3	3287.0	3275.2	3256.6	3244.8	3229.6	3212.7	3202.5
15°	3337.7	3315.7	3297.2	3275.2	3253.2	3239.7	3217.8	3204.3	3182.3	3165.4	3153.6
17.5°	3302.2	3283.6	3263.4	3236.3	3216.1	3199.2	3175.5	3158.7	3138.4	3116.4	3104.6
20°	3265.1	3243.1	3222.8	3195.8	3175.5	3155.3	3131.6	3113.1	3089.4	3069.1	3055.6
22.5°	3216.1	3190.7	3173.8	3146.8	3123.2	3101.2	3079.3	3057.3	3035.3	3018.4	3003.2
25°	3145.1	3118.1	3099.5	3077.5	3055.6	3038.7	3011.7	2998.2	2976.2	2961.0	2945.8
27.5°	3043.8	3023.5	3006.6	2984.7	2966.1	2952.6	2932.3	2918.8	2900.2	2886.7	2874.9
30°	2895.2	2878.3	2863.1	2841.1	2827.6	2815.8	2797.1	2785.3	2771.8	2756.6	2753.3
32.5°	2695.8	2682.3	2667.1	2651.9	2641.8	2635.0	2619.8	2613.0	2599.6	2591.1	2582.7
35°	2395.1	2383.3	2374.9	2368.2	2364.8	2366.4	2363.1	2369.8	2373.2	2371.5	2373.2
37.5°	2001.6	1994.8	1998.2	2003.3	2020.2	2042.2	2062.4	2092.8	2113.1	2133.4	2151.9
40°	1562.4	1567.5	1581.0	1611.4	1655.3	1704.3	1750.0	1807.4	1864.8	1905.3	1942.5
42.5°	1179.0	1194.2	1228.0	1271.9	1337.8	1410.4	1481.4	1565.8	1635.1	1702.6	1750.0
45°	886.8	907.0	951.0	1011.8	1084.4	1168.9	1258.4	1353.0	1435.8	1505.0	1557.4
47.5°	690.9	709.4	753.4	817.5	907.0	994.9	1087.8	1185.8	1271.9	1339.5	1385.1
50°	545.6	569.2	608.1	675.6	765.2	858.1	954.4	1050.6	1131.7	1189.2	1229.7
52.5°	429.0	451.0	488.1	559.1	650.3	743.2	832.7	927.3	998.2	1054.0	1081.1
55°	332.7	353.0	391.8	451.0	537.2	628.4	717.8	799.0	864.8	905.4	930.7
57.5°	253.4	268.6	295.6	354.7	432.4	516.9	592.9	674.0	724.7	753.4	770.2
60°	192.6	204.4	233.1	278.7	349.6	422.3	486.5	547.3	587.8	611.5	628.4
62.5°	145.2	158.8	179.0	217.9	271.9	331.1	385.1	430.7	464.5	479.7	491.5
65°	99.6	109.8	125.0	155.4	201.0	243.2	285.5	319.3	341.2	358.1	364.9
67.5°	74.3	81.1	89.5	113.2	145.2	179.0	207.7	231.4	255.1	261.8	273.7
70°	55.8	60.8	69.2	86.1	104.7	128.3	152.1	165.5	182.4	194.3	197.7
72.5°	35.5	37.1	45.6	55.8	70.9	86.1	101.4	113.2	123.3	130.1	133.4
75°	20.3	30.4	30.4	40.5	50.7	57.4	67.6	76.0	81.1	86.1	86.1
77.5°	13.5	18.6	20.3	25.3	30.4	38.9	47.3	52.4	57.4	59.1	59.1
80°	11.8	13.5	13.5	18.6	22.0	28.7	33.8	35.5	38.9	40.5	43.9
82.5°	5.1	6.7	8.4	13.5	15.2	15.2	20.3	22.0	25.3	27.0	27.0
85°	1.7	3.4	3.4	5.1	8.4	10.2	11.8	13.5	15.2	15.2	16.9
87.5°	1.7	1.7	0.0	1.7	3.4	3.4	6.7	6.7	6.7	10.2	10.2
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: P248903

CATALOG NUMBER: LD8B70D010 ER8B70850 8LBSW0B

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	3459.3	3459.3	3459.3	3459.3	3459.3	3459.3	3459.3
2.5°	3428.9	3430.6	3423.8	3422.2	3418.8	3420.4	3423.8
5°	3366.4	3368.1	3361.3	3354.6	3354.6	3352.9	3354.6
7.5°	3307.3	3309.0	3298.8	3295.4	3288.7	3290.4	3290.4
10°	3248.2	3248.2	3233.0	3231.3	3226.2	3224.5	3224.5
12.5°	3190.7	3185.7	3173.8	3167.1	3170.5	3160.3	3160.3
15°	3140.0	3131.6	3116.4	3111.3	3102.9	3099.5	3099.5
17.5°	3087.7	3080.9	3067.5	3057.3	3047.2	3045.5	3047.2
20°	3037.0	3030.3	3013.4	3006.6	2998.2	2998.2	2994.8
22.5°	2986.3	2979.6	2964.4	2959.3	2947.5	2947.5	2949.2
25°	2934.0	2928.9	2912.0	2908.7	2907.0	2900.2	2903.6
27.5°	2863.1	2859.6	2846.2	2841.1	2834.3	2832.7	2836.0
30°	2733.0	2727.9	2717.8	2712.7	2700.9	2702.6	2705.9
32.5°	2570.8	2564.1	2550.5	2545.5	2535.4	2532.0	2533.6
35°	2368.2	2363.1	2351.3	2351.3	2341.1	2337.7	2341.1
37.5°	2162.1	2167.1	2162.1	2167.1	2162.1	2160.4	2162.1
40°	1967.8	1986.4	1989.7	2008.4	2001.6	2011.7	2010.0
42.5°	1782.0	1812.4	1824.3	1839.4	1836.1	1842.8	1847.9
45°	1594.5	1619.9	1631.7	1641.8	1643.5	1646.9	1648.6
47.5°	1417.1	1437.4	1439.1	1450.9	1449.3	1449.3	1454.3
50°	1251.7	1265.2	1268.5	1277.0	1270.2	1266.8	1268.5
52.5°	1097.9	1111.4	1108.0	1111.4	1103.0	1099.6	1101.3
55°	940.8	947.6	947.6	947.6	937.5	937.5	937.5
57.5°	780.4	782.1	778.7	780.4	778.7	768.5	766.9
60°	633.4	633.4	631.7	633.4	628.4	623.3	623.3
62.5°	494.9	498.3	505.0	498.3	494.9	498.3	493.2
65°	369.9	376.7	375.0	378.4	376.7	376.7	373.3
67.5°	278.7	280.4	282.1	283.8	283.8	283.8	283.8
70°	204.4	209.5	207.7	207.7	207.7	207.7	217.9
72.5°	136.8	143.6	141.9	145.2	145.2	148.6	145.2
75°	92.9	99.6	96.3	101.4	99.6	96.3	104.7
77.5°	62.5	65.9	67.6	69.2	67.6	65.9	67.6
80°	43.9	47.3	45.6	47.3	47.3	47.3	49.0
82.5°	27.0	32.1	30.4	32.1	30.4	32.1	32.1
85°	18.6	20.3	16.9	20.3	18.6	18.6	22.0
87.5°	11.8	10.2	10.2	11.8	10.2	11.8	10.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)