

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: P248894

Luminaire Tested: **LD8B70D010 ER8B70840 8LBSW0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248894
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 ER8B70840 8LBSW0B
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 4000 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5715.0 lumens
Efficiency: N/A
Efficacy: 75.3 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

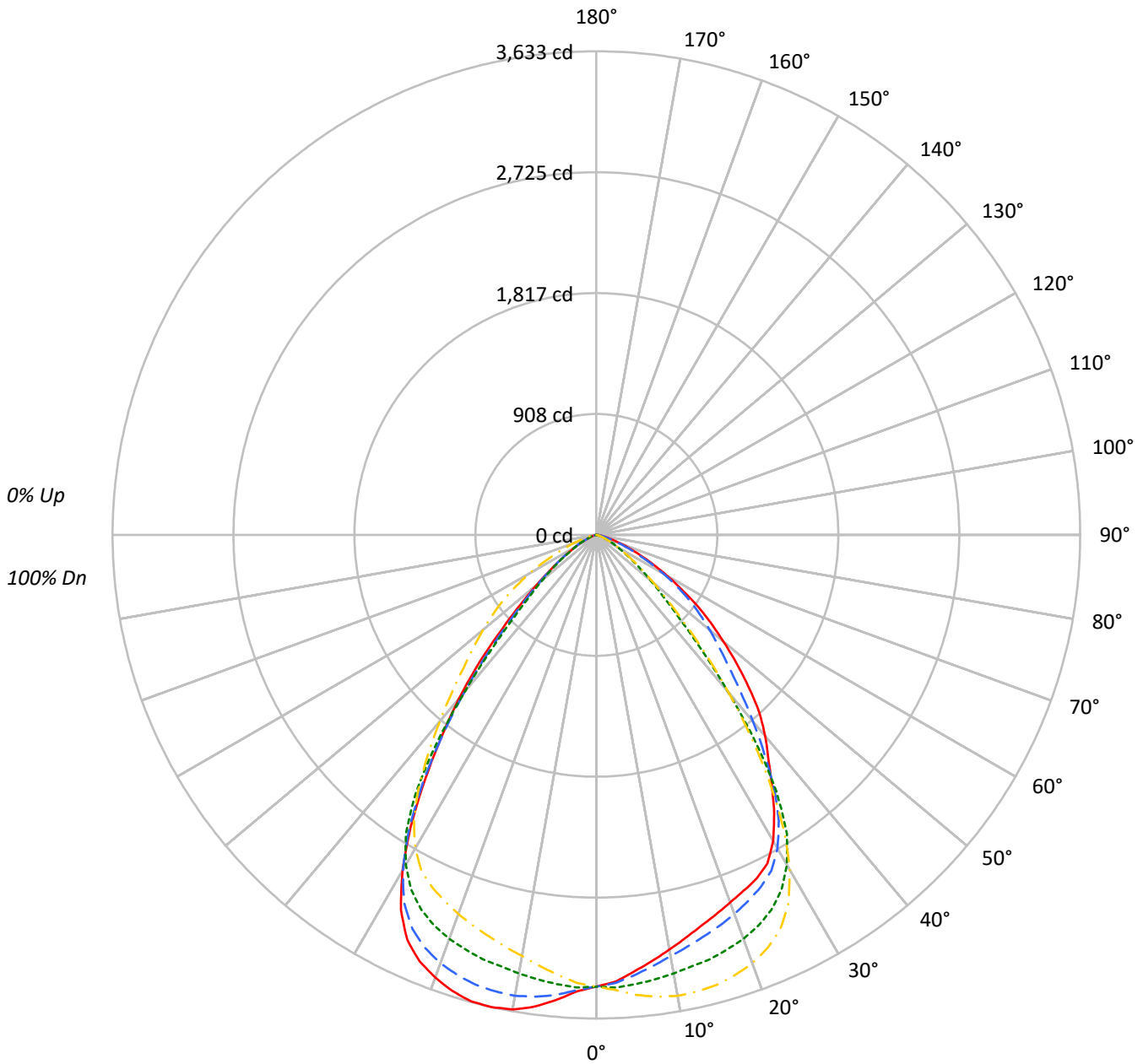
Input Watts (W): 75.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot



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



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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°	104621	104621	104621	104621
5°	101842	104866	108612	104866
10°	99024	104729	113340	104729
15°	97046	105353	115824	105353
20°	96385	105954	116120	105954
25°	96894	105744	114253	105744
30°	94497	101871	103701	101871
35°	86435	88867	84315	88867
40°	79357	61818	64555	61818
45°	70512	37713	43635	37713
50°	59683	25191	27978	25191
55°	49434	17188	18166	17188
60°	37700	11440	11545	11440
65°	26712	7129	6530	7129
70°	19267	4778	4337	4778
75°	12236	2371	1978	2371
80°	8542	1776	1474	1776
85°	7607	0	566	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	322.9	5.7
10°-20°	935.1	16.4
20°-30°	1416.0	24.8
30°-40°	1419.2	24.8
40°-50°	891.2	15.6
50°-60°	474.9	8.3
60°-70°	195.3	3.4
70°-80°	51.6	0.9
80°-90°	8.7	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°	2674.1	46.8
0°-40°	4093.3	71.6
0°-60°	5459.4	95.5
0°-90°	5715.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5715.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3393	3393	3393	3393	3393	
5°	3290	3388	3509	3388	3290	310
15°	3040	3300	3628	3300	3040	860
25°	2848	3108	3358	3108	2848	1306
35°	2296	2361	2240	2361	2296	1438
45°	1617	865	1001	865	1617	1244
55°	920	320	338	320	920	820
65°	366	98	90	98	366	380
75°	103	20	17	20	103	116
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°	3392.8	3392.8	3392.8	3392.8	3392.8	3392.8	3392.8	3392.8	3392.8	3392.8	3392.8
2.5°	3358.0	3354.7	3353.1	3356.4	3358.0	3364.7	3363.0	3366.3	3366.3	3368.0	3371.3
5°	3290.1	3288.4	3290.1	3290.1	3296.7	3303.4	3301.7	3306.7	3310.0	3318.3	3321.6
7.5°	3227.2	3227.2	3225.5	3232.1	3235.4	3245.4	3243.7	3252.0	3257.0	3265.2	3276.8
10°	3162.5	3162.5	3164.2	3169.2	3170.9	3185.7	3185.7	3197.3	3203.9	3212.2	3227.2
12.5°	3099.6	3099.6	3109.6	3106.2	3112.8	3124.4	3129.4	3141.0	3150.9	3167.5	3182.5
15°	3039.9	3039.9	3043.3	3051.5	3056.5	3071.4	3079.7	3093.0	3104.6	3121.1	3142.7
17.5°	2988.6	2987.0	2988.6	2998.5	3008.5	3021.7	3028.3	3044.9	3056.5	3078.1	3098.0
20°	2937.2	2940.6	2940.6	2948.8	2955.4	2972.0	2978.6	2996.9	3010.1	3030.0	3053.2
22.5°	2892.5	2890.9	2890.9	2902.5	2907.4	2922.3	2928.9	2945.5	2960.4	2977.0	2998.5
25°	2847.8	2844.4	2851.1	2852.8	2856.0	2872.6	2877.6	2889.2	2904.1	2919.0	2940.6
27.5°	2781.5	2778.2	2779.9	2786.5	2791.5	2804.7	2808.0	2819.6	2831.2	2844.4	2862.7
30°	2653.9	2650.6	2649.0	2660.6	2665.6	2675.5	2680.4	2700.4	2703.6	2718.6	2731.8
32.5°	2484.9	2483.3	2486.7	2496.5	2501.5	2514.8	2521.4	2533.0	2541.3	2549.6	2562.8
35°	2296.1	2292.8	2296.1	2306.1	2306.1	2317.7	2322.7	2327.6	2325.9	2327.6	2324.3
37.5°	2120.5	2118.8	2120.5	2125.5	2120.5	2125.5	2120.5	2110.6	2092.4	2072.5	2052.6
40°	1971.4	1973.1	1963.2	1969.8	1951.5	1948.2	1930.0	1905.1	1868.7	1829.0	1772.6
42.5°	1812.4	1807.4	1800.8	1804.1	1789.2	1777.6	1747.8	1716.3	1669.9	1603.7	1535.7
45°	1616.9	1615.3	1611.9	1610.3	1600.3	1588.7	1563.8	1527.4	1476.1	1408.2	1327.0
47.5°	1426.4	1421.4	1421.4	1423.0	1411.4	1409.8	1389.9	1358.5	1313.7	1247.5	1163.0
50°	1244.1	1242.5	1245.8	1252.4	1244.1	1240.8	1227.6	1206.1	1166.3	1110.0	1030.4
52.5°	1080.1	1078.5	1081.8	1090.1	1086.7	1090.1	1076.8	1060.3	1033.7	979.1	909.5
55°	919.5	919.5	919.5	929.3	929.3	929.3	922.7	912.8	888.0	848.2	783.6
57.5°	752.1	753.8	763.7	765.4	763.7	767.1	765.4	755.4	738.9	710.7	661.0
60°	611.3	611.3	616.3	621.3	619.6	621.3	621.3	616.3	599.7	576.5	536.8
62.5°	483.7	488.7	485.4	488.7	495.3	488.7	485.4	482.1	470.5	455.6	422.4
65°	366.1	369.4	369.4	371.1	367.7	369.4	362.8	357.9	351.2	334.7	313.1
67.5°	278.3	278.3	278.3	278.3	276.6	275.0	273.4	268.4	256.8	250.2	226.9
70°	213.7	203.7	203.7	203.7	203.7	205.5	200.5	193.9	190.5	178.9	162.4
72.5°	142.4	145.8	142.4	142.4	139.2	140.8	134.2	130.9	127.6	121.0	111.0
75°	102.7	94.4	97.7	99.4	94.4	97.7	91.1	84.5	84.5	79.5	74.5
77.5°	66.3	64.6	66.3	67.9	66.3	64.6	61.3	58.0	58.0	56.3	51.3
80°	48.1	46.4	46.4	46.4	44.7	46.4	43.1	43.1	39.8	38.1	34.8
82.5°	31.5	31.5	29.8	31.5	29.8	31.5	26.5	26.5	26.5	24.8	21.5
85°	21.5	18.2	18.2	19.9	16.6	19.9	18.2	16.6	14.9	14.9	13.2
87.5°	10.0	11.6	10.0	11.6	10.0	10.0	11.6	10.0	10.0	6.6	6.6
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	3392.8	3392.8	3392.8	3392.8	3392.8	3392.8	3392.8	3392.8	3392.8	3392.8	3392.8
2.5°	3376.2	3377.9	3377.9	3384.6	3387.8	3389.5	3389.5	3402.8	3397.8	3401.1	3404.4
5°	3328.2	3338.1	3341.5	3341.5	3359.7	3366.3	3372.9	3387.8	3389.5	3399.4	3411.0
7.5°	3281.8	3293.4	3300.1	3314.9	3326.5	3338.1	3358.0	3368.0	3377.9	3391.2	3406.0
10°	3237.1	3250.4	3263.6	3275.2	3293.4	3308.3	3321.6	3344.7	3356.4	3374.6	3394.5
12.5°	3194.0	3212.2	3223.8	3243.7	3263.6	3276.8	3296.7	3318.3	3336.5	3354.7	3377.9
15°	3155.9	3177.5	3190.7	3212.2	3233.8	3252.0	3273.6	3300.1	3313.3	3334.9	3356.4
17.5°	3114.5	3137.7	3154.3	3174.1	3200.7	3220.5	3238.8	3265.2	3281.8	3305.0	3329.9
20°	3071.4	3094.6	3114.5	3134.4	3160.9	3180.7	3202.3	3228.8	3247.0	3270.2	3290.1
22.5°	3020.1	3041.6	3063.1	3086.3	3112.8	3129.4	3154.3	3177.5	3197.3	3218.9	3238.8
25°	2953.8	2980.3	2996.9	3018.4	3039.9	3058.1	3084.7	3107.9	3124.4	3144.3	3162.5
27.5°	2875.9	2895.9	2909.1	2927.3	2948.8	2965.4	2985.2	3008.5	3025.1	3043.3	3056.5
30°	2743.4	2761.7	2773.2	2786.5	2808.0	2823.0	2839.5	2861.0	2872.6	2885.9	2897.5
32.5°	2569.4	2584.4	2591.0	2600.9	2615.9	2630.7	2644.0	2662.2	2667.2	2675.5	2675.5
35°	2317.7	2321.0	2319.3	2322.7	2329.3	2337.5	2349.1	2360.7	2367.3	2367.3	2362.4
37.5°	2022.8	2002.9	1981.4	1964.8	1959.8	1956.5	1963.2	1968.1	1974.8	1978.0	1969.8
40°	1716.3	1671.6	1623.5	1580.4	1550.6	1537.4	1532.4	1535.7	1535.7	1547.3	1547.3
42.5°	1452.9	1383.3	1312.1	1247.5	1204.4	1171.3	1156.3	1156.3	1158.0	1166.3	1171.3
45°	1234.2	1146.4	1063.5	992.4	932.7	889.6	869.8	864.8	863.1	866.4	878.0
47.5°	1066.9	975.8	889.6	801.8	738.9	695.8	677.6	670.9	664.3	670.9	672.6
50°	936.0	841.6	750.5	662.7	596.4	558.3	535.1	525.1	523.5	523.5	526.8
52.5°	816.7	728.9	637.8	548.4	478.8	442.3	420.8	415.8	409.2	415.8	415.8
55°	704.1	616.3	526.8	442.3	384.3	346.3	326.4	319.7	316.4	321.4	321.4
57.5°	581.5	506.9	424.1	347.9	289.9	263.4	248.5	240.2	238.5	241.9	238.5
60°	477.1	414.2	342.9	273.4	228.6	200.5	188.9	185.5	182.2	185.5	185.5
62.5°	377.7	324.7	266.7	213.7	175.6	155.7	142.4	142.4	140.8	140.8	142.4
65°	280.0	238.5	197.1	152.4	122.6	107.7	97.7	97.7	96.1	97.7	96.1
67.5°	203.7	175.6	142.4	111.0	87.8	79.5	72.9	67.9	71.3	67.9	66.3
70°	149.1	125.9	102.7	84.5	67.9	59.7	54.7	53.0	49.7	49.7	49.7
72.5°	99.4	84.5	69.6	54.7	44.7	36.4	34.8	31.5	28.2	29.8	33.1
75°	66.3	56.3	49.7	39.8	29.8	29.8	19.9	19.9	16.6	19.9	14.9
77.5°	46.4	38.1	29.8	24.8	19.9	18.2	13.2	13.2	11.6	11.6	11.6
80°	33.1	28.2	21.5	18.2	13.2	13.2	11.6	10.0	8.3	8.3	10.0
82.5°	19.9	14.9	14.9	13.2	8.3	6.6	5.0	6.6	3.3	3.3	3.3
85°	11.6	10.0	8.3	5.0	3.3	3.3	1.6	0.0	1.6	1.6	0.0
87.5°	6.6	3.3	3.3	1.6	0.0	1.6	1.6	0.0	0.0	0.0	3.3
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°	3392.8	3392.8	3392.8	3392.8	3392.8	3392.8	3392.8	3392.8	3392.8	3392.8	3392.8
2.5°	3412.7	3411.0	3414.4	3414.4	3424.3	3422.6	3427.6	3427.6	3424.3	3426.0	3432.6
5°	3424.3	3429.3	3439.2	3447.5	3462.4	3469.0	3477.3	3485.6	3487.3	3492.2	3497.2
7.5°	3424.3	3440.9	3452.5	3467.3	3487.3	3498.8	3517.1	3532.0	3538.6	3546.9	3556.8
10°	3417.6	3434.2	3455.8	3472.3	3497.2	3515.4	3533.6	3556.8	3566.8	3580.0	3593.3
12.5°	3404.4	3422.6	3445.8	3467.3	3495.5	3512.1	3535.3	3556.8	3571.7	3589.9	3604.9
15°	3384.6	3406.0	3427.6	3449.1	3478.9	3498.8	3520.4	3545.2	3560.2	3580.0	3593.3
17.5°	3353.1	3376.2	3396.2	3416.0	3444.2	3467.3	3487.3	3510.4	3525.4	3541.9	3560.2
20°	3314.9	3336.5	3358.0	3374.6	3402.8	3422.6	3444.2	3465.7	3477.3	3480.6	3508.8
22.5°	3266.9	3281.8	3298.4	3324.9	3341.5	3359.7	3379.6	3399.4	3411.0	3429.3	3439.2
25°	3187.4	3202.3	3220.5	3232.1	3252.0	3266.9	3286.8	3308.3	3314.9	3328.2	3338.1
27.5°	3076.4	3084.7	3093.0	3102.9	3114.5	3122.8	3134.4	3144.3	3150.9	3157.6	3164.2
30°	2900.8	2900.8	2900.8	2894.1	2899.1	2904.1	2905.7	2904.1	2904.1	2902.5	2902.5
32.5°	2668.9	2655.6	2640.7	2627.5	2622.5	2615.9	2612.5	2607.5	2599.3	2594.3	2596.0
35°	2355.7	2325.9	2307.7	2291.2	2277.9	2268.0	2263.0	2258.0	2256.4	2249.8	2243.1
37.5°	1964.8	1943.3	1930.0	1920.1	1908.5	1898.5	1900.2	1901.9	1906.8	1903.5	1905.1
40°	1550.6	1545.6	1550.6	1539.0	1535.7	1539.0	1547.3	1558.9	1565.6	1572.2	1583.8
42.5°	1179.5	1187.8	1199.4	1199.4	1204.4	1211.0	1220.9	1239.2	1249.1	1260.7	1274.0
45°	888.0	897.9	912.8	917.8	921.1	929.3	941.0	955.9	962.5	972.4	984.0
47.5°	684.2	690.8	699.1	707.4	715.6	719.0	730.6	730.6	738.9	745.5	748.8
50°	533.4	540.1	546.7	551.6	555.0	560.0	563.2	568.2	569.9	573.2	574.8
52.5°	417.5	425.8	425.8	429.0	434.0	439.0	437.4	439.0	440.6	440.6	445.6
55°	326.4	326.4	331.3	331.3	334.7	333.0	334.7	334.7	334.7	334.7	336.3
57.5°	243.5	245.2	250.2	246.8	245.2	248.5	245.2	248.5	246.8	250.2	245.2
60°	187.2	187.2	188.9	188.9	190.5	190.5	190.5	188.9	188.9	187.2	187.2
62.5°	140.8	142.4	144.2	142.4	142.4	142.4	140.8	140.8	139.2	137.5	137.5
65°	94.4	92.8	96.1	92.8	94.4	94.4	92.8	94.4	89.5	91.1	89.5
67.5°	67.9	66.3	64.6	66.3	64.6	62.9	62.9	64.6	66.3	61.3	61.3
70°	44.7	46.4	44.7	46.4	48.1	48.1	46.4	44.7	46.4	43.1	44.7
72.5°	28.2	28.2	28.2	28.2	28.2	29.8	29.8	29.8	26.5	26.5	24.8
75°	13.2	18.2	14.9	13.2	18.2	18.2	16.6	16.6	14.9	14.9	14.9
77.5°	13.2	10.0	10.0	10.0	10.0	10.0	10.0	10.0	8.3	10.0	8.3
80°	6.6	6.6	6.6	5.0	6.6	6.6	8.3	6.6	6.6	5.0	8.3
82.5°	3.3	3.3	3.3	0.0	1.6	3.3	3.3	1.6	3.3	3.3	1.6
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: P248894

CATALOG NUMBER: LD8B70D010 ER8B70840 8LBSW0B

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3392.8	3392.8	3392.8	3392.8	3392.8	3392.8	3392.8	3392.8	3392.8	3392.8	3392.8
2.5°	3430.9	3429.3	3430.9	3432.6	3430.9	3429.3	3430.9	3432.6	3426.0	3424.3	3427.6
5°	3503.8	3503.8	3507.1	3508.8	3507.1	3503.8	3503.8	3497.2	3492.2	3487.3	3485.6
7.5°	3566.8	3570.1	3573.4	3575.0	3573.4	3570.1	3566.8	3556.8	3546.9	3538.6	3532.0
10°	3604.9	3609.9	3616.5	3619.7	3616.5	3609.9	3604.9	3593.3	3580.0	3566.8	3556.8
12.5°	3621.5	3626.4	3634.7	3633.0	3634.7	3626.4	3621.5	3604.9	3589.9	3571.7	3556.8
15°	3609.9	3616.5	3624.7	3628.1	3624.7	3616.5	3609.9	3593.3	3580.0	3560.2	3545.2
17.5°	3573.4	3583.3	3588.3	3593.3	3588.3	3583.3	3573.4	3560.2	3541.9	3525.4	3510.4
20°	3523.7	3530.4	3537.0	3538.6	3537.0	3530.4	3523.7	3508.8	3480.6	3477.3	3465.7
22.5°	3452.5	3457.5	3472.3	3467.3	3472.3	3457.5	3452.5	3439.2	3429.3	3411.0	3399.4
25°	3349.7	3354.7	3356.4	3358.0	3356.4	3354.7	3349.7	3338.1	3328.2	3314.9	3308.3
27.5°	3172.5	3172.5	3175.8	3177.5	3175.8	3172.5	3172.5	3164.2	3157.6	3150.9	3144.3
30°	2904.1	2904.1	2904.1	2912.4	2904.1	2904.1	2904.1	2902.5	2902.5	2904.1	2904.1
32.5°	2594.3	2591.0	2587.7	2591.0	2587.7	2591.0	2594.3	2596.0	2594.3	2599.3	2607.5
35°	2243.1	2241.4	2246.4	2239.8	2246.4	2241.4	2243.1	2243.1	2249.8	2256.4	2258.0
37.5°	1906.8	1903.5	1910.1	1903.5	1910.1	1903.5	1906.8	1905.1	1903.5	1906.8	1901.9
40°	1587.1	1590.4	1590.4	1603.7	1590.4	1590.4	1587.1	1583.8	1572.2	1565.6	1558.9
42.5°	1280.6	1290.5	1287.2	1297.2	1287.2	1290.5	1280.6	1274.0	1260.7	1249.1	1239.2
45°	990.7	997.3	997.3	1000.6	997.3	997.3	990.7	984.0	972.4	962.5	955.9
47.5°	760.4	760.4	760.4	762.1	760.4	760.4	760.4	748.8	745.5	738.9	730.6
50°	578.2	579.8	581.5	583.2	581.5	579.8	578.2	574.8	573.2	569.9	568.2
52.5°	444.0	445.6	442.3	445.6	442.3	445.6	444.0	445.6	440.6	440.6	439.0
55°	336.3	334.7	336.3	337.9	336.3	334.7	336.3	336.3	334.7	334.7	334.7
57.5°	246.8	243.5	243.5	243.5	243.5	243.5	246.8	245.2	250.2	246.8	248.5
60°	183.9	185.5	185.5	187.2	185.5	185.5	183.9	187.2	187.2	188.9	188.9
62.5°	135.8	140.8	137.5	140.8	137.5	140.8	135.8	137.5	137.5	139.2	140.8
65°	87.8	87.8	87.8	89.5	87.8	87.8	87.8	89.5	91.1	89.5	94.4
67.5°	59.7	61.3	64.6	62.9	64.6	61.3	59.7	61.3	61.3	66.3	64.6
70°	48.1	43.1	43.1	48.1	43.1	43.1	48.1	44.7	43.1	46.4	44.7
72.5°	28.2	24.8	28.2	28.2	28.2	24.8	28.2	24.8	26.5	26.5	29.8
75°	14.9	13.2	11.6	16.6	11.6	13.2	14.9	14.9	14.9	14.9	16.6
77.5°	10.0	8.3	11.6	11.6	11.6	8.3	10.0	8.3	10.0	8.3	10.0
80°	5.0	6.6	5.0	8.3	5.0	6.6	5.0	8.3	5.0	6.6	6.6
82.5°	1.6	3.3	3.3	3.3	3.3	3.3	1.6	1.6	3.3	3.3	1.6
85°	0.0	3.3	1.6	1.6	1.6	3.3	0.0	0.0	0.0	0.0	0.0
87.5°	1.6	0.0	0.0	1.6	0.0	0.0	1.6	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: P248894

CATALOG NUMBER: LD8B70D010 ER8B70840 8LBSW0B

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3392.8	3392.8	3392.8	3392.8	3392.8	3392.8	3392.8	3392.8	3392.8	3392.8	3392.8
2.5°	3427.6	3422.6	3424.3	3414.4	3414.4	3411.0	3412.7	3404.4	3401.1	3397.8	3402.8
5°	3477.3	3469.0	3462.4	3447.5	3439.2	3429.3	3424.3	3411.0	3399.4	3389.5	3387.8
7.5°	3517.1	3498.8	3487.3	3467.3	3452.5	3440.9	3424.3	3406.0	3391.2	3377.9	3368.0
10°	3533.6	3515.4	3497.2	3472.3	3455.8	3434.2	3417.6	3394.5	3374.6	3356.4	3344.7
12.5°	3535.3	3512.1	3495.5	3467.3	3445.8	3422.6	3404.4	3377.9	3354.7	3336.5	3318.3
15°	3520.4	3498.8	3478.9	3449.1	3427.6	3406.0	3384.6	3356.4	3334.9	3313.3	3300.1
17.5°	3487.3	3467.3	3444.2	3416.0	3396.2	3376.2	3353.1	3329.9	3305.0	3281.8	3265.2
20°	3444.2	3422.6	3402.8	3374.6	3358.0	3336.5	3314.9	3290.1	3270.2	3247.0	3228.8
22.5°	3379.6	3359.7	3341.5	3324.9	3298.4	3281.8	3266.9	3238.8	3218.9	3197.3	3177.5
25°	3286.8	3266.9	3252.0	3232.1	3220.5	3202.3	3187.4	3162.5	3144.3	3124.4	3107.9
27.5°	3134.4	3122.8	3114.5	3102.9	3093.0	3084.7	3076.4	3056.5	3043.3	3025.1	3008.5
30°	2905.7	2904.1	2899.1	2894.1	2900.8	2900.8	2900.8	2897.5	2885.9	2872.6	2861.0
32.5°	2612.5	2615.9	2622.5	2627.5	2640.7	2655.6	2668.9	2675.5	2675.5	2667.2	2662.2
35°	2263.0	2268.0	2277.9	2291.2	2307.7	2325.9	2355.7	2362.4	2367.3	2367.3	2360.7
37.5°	1900.2	1898.5	1908.5	1920.1	1930.0	1943.3	1964.8	1969.8	1978.0	1974.8	1968.1
40°	1547.3	1539.0	1535.7	1539.0	1550.6	1545.6	1550.6	1547.3	1547.3	1535.7	1535.7
42.5°	1220.9	1211.0	1204.4	1199.4	1199.4	1187.8	1179.5	1171.3	1166.3	1158.0	1156.3
45°	941.0	929.3	921.1	917.8	912.8	897.9	888.0	878.0	866.4	863.1	864.8
47.5°	730.6	719.0	715.6	707.4	699.1	690.8	684.2	672.6	670.9	664.3	670.9
50°	563.2	560.0	555.0	551.6	546.7	540.1	533.4	526.8	523.5	523.5	525.1
52.5°	437.4	439.0	434.0	429.0	425.8	425.8	417.5	415.8	415.8	409.2	415.8
55°	334.7	333.0	334.7	331.3	331.3	326.4	326.4	321.4	321.4	316.4	319.7
57.5°	245.2	248.5	245.2	246.8	250.2	245.2	243.5	238.5	241.9	238.5	240.2
60°	190.5	190.5	190.5	188.9	188.9	187.2	187.2	185.5	185.5	182.2	185.5
62.5°	140.8	142.4	142.4	142.4	144.2	142.4	140.8	142.4	140.8	140.8	142.4
65°	92.8	94.4	94.4	92.8	96.1	92.8	94.4	96.1	97.7	96.1	97.7
67.5°	62.9	62.9	64.6	66.3	64.6	66.3	67.9	66.3	67.9	71.3	67.9
70°	46.4	48.1	48.1	46.4	44.7	46.4	44.7	49.7	49.7	49.7	53.0
72.5°	29.8	29.8	28.2	28.2	28.2	28.2	28.2	33.1	29.8	28.2	31.5
75°	16.6	18.2	18.2	13.2	14.9	18.2	13.2	14.9	19.9	16.6	19.9
77.5°	10.0	10.0	10.0	10.0	10.0	10.0	13.2	11.6	11.6	11.6	13.2
80°	8.3	6.6	6.6	5.0	6.6	6.6	6.6	10.0	8.3	8.3	10.0
82.5°	3.3	3.3	1.6	0.0	3.3	3.3	3.3	3.3	3.3	3.3	6.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	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: P248894

CATALOG NUMBER: LD8B70D010 ER8B70840 8LBSW0B

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3392.8	3392.8	3392.8	3392.8	3392.8	3392.8	3392.8	3392.8	3392.8	3392.8	3392.8
2.5°	3389.5	3389.5	3387.8	3384.6	3377.9	3377.9	3376.2	3371.3	3368.0	3366.3	3366.3
5°	3372.9	3366.3	3359.7	3341.5	3341.5	3338.1	3328.2	3321.6	3318.3	3310.0	3306.7
7.5°	3358.0	3338.1	3326.5	3314.9	3300.1	3293.4	3281.8	3276.8	3265.2	3257.0	3252.0
10°	3321.6	3308.3	3293.4	3275.2	3263.6	3250.4	3237.1	3227.2	3212.2	3203.9	3197.3
12.5°	3296.7	3276.8	3263.6	3243.7	3223.8	3212.2	3194.0	3182.5	3167.5	3150.9	3141.0
15°	3273.6	3252.0	3233.8	3212.2	3190.7	3177.5	3155.9	3142.7	3121.1	3104.6	3093.0
17.5°	3238.8	3220.5	3200.7	3174.1	3154.3	3137.7	3114.5	3098.0	3078.1	3056.5	3044.9
20°	3202.3	3180.7	3160.9	3134.4	3114.5	3094.6	3071.4	3053.2	3030.0	3010.1	2996.9
22.5°	3154.3	3129.4	3112.8	3086.3	3063.1	3041.6	3020.1	2998.5	2977.0	2960.4	2945.5
25°	3084.7	3058.1	3039.9	3018.4	2996.9	2980.3	2953.8	2940.6	2919.0	2904.1	2889.2
27.5°	2985.2	2965.4	2948.8	2927.3	2909.1	2895.9	2875.9	2862.7	2844.4	2831.2	2819.6
30°	2839.5	2823.0	2808.0	2786.5	2773.2	2761.7	2743.4	2731.8	2718.6	2703.6	2700.4
32.5°	2644.0	2630.7	2615.9	2600.9	2591.0	2584.4	2569.4	2562.8	2549.6	2541.3	2533.0
35°	2349.1	2337.5	2329.3	2322.7	2319.3	2321.0	2317.7	2324.3	2327.6	2325.9	2327.6
37.5°	1963.2	1956.5	1959.8	1964.8	1981.4	2002.9	2022.8	2052.6	2072.5	2092.4	2110.6
40°	1532.4	1537.4	1550.6	1580.4	1623.5	1671.6	1716.3	1772.6	1829.0	1868.7	1905.1
42.5°	1156.3	1171.3	1204.4	1247.5	1312.1	1383.3	1452.9	1535.7	1603.7	1669.9	1716.3
45°	869.8	889.6	932.7	992.4	1063.5	1146.4	1234.2	1327.0	1408.2	1476.1	1527.4
47.5°	677.6	695.8	738.9	801.8	889.6	975.8	1066.9	1163.0	1247.5	1313.7	1358.5
50°	535.1	558.3	596.4	662.7	750.5	841.6	936.0	1030.4	1110.0	1166.3	1206.1
52.5°	420.8	442.3	478.8	548.4	637.8	728.9	816.7	909.5	979.1	1033.7	1060.3
55°	326.4	346.3	384.3	442.3	526.8	616.3	704.1	783.6	848.2	888.0	912.8
57.5°	248.5	263.4	289.9	347.9	424.1	506.9	581.5	661.0	710.7	738.9	755.4
60°	188.9	200.5	228.6	273.4	342.9	414.2	477.1	536.8	576.5	599.7	616.3
62.5°	142.4	155.7	175.6	213.7	266.7	324.7	377.7	422.4	455.6	470.5	482.1
65°	97.7	107.7	122.6	152.4	197.1	238.5	280.0	313.1	334.7	351.2	357.9
67.5°	72.9	79.5	87.8	111.0	142.4	175.6	203.7	226.9	250.2	256.8	268.4
70°	54.7	59.7	67.9	84.5	102.7	125.9	149.1	162.4	178.9	190.5	193.9
72.5°	34.8	36.4	44.7	54.7	69.6	84.5	99.4	111.0	121.0	127.6	130.9
75°	19.9	29.8	29.8	39.8	49.7	56.3	66.3	74.5	79.5	84.5	84.5
77.5°	13.2	18.2	19.9	24.8	29.8	38.1	46.4	51.3	56.3	58.0	58.0
80°	11.6	13.2	13.2	18.2	21.5	28.2	33.1	34.8	38.1	39.8	43.1
82.5°	5.0	6.6	8.3	13.2	14.9	14.9	19.9	21.5	24.8	26.5	26.5
85°	1.6	3.3	3.3	5.0	8.3	10.0	11.6	13.2	14.9	14.9	16.6
87.5°	1.6	1.6	0.0	1.6	3.3	3.3	6.6	6.6	6.6	10.0	10.0
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: P248894

CATALOG NUMBER: LD8B70D010 ER8B70840 8LBSW0B

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	3392.8	3392.8	3392.8	3392.8	3392.8	3392.8	3392.8
2.5°	3363.0	3364.7	3358.0	3356.4	3353.1	3354.7	3358.0
5°	3301.7	3303.4	3296.7	3290.1	3290.1	3288.4	3290.1
7.5°	3243.7	3245.4	3235.4	3232.1	3225.5	3227.2	3227.2
10°	3185.7	3185.7	3170.9	3169.2	3164.2	3162.5	3162.5
12.5°	3129.4	3124.4	3112.8	3106.2	3109.6	3099.6	3099.6
15°	3079.7	3071.4	3056.5	3051.5	3043.3	3039.9	3039.9
17.5°	3028.3	3021.7	3008.5	2998.5	2988.6	2987.0	2988.6
20°	2978.6	2972.0	2955.4	2948.8	2940.6	2940.6	2937.2
22.5°	2928.9	2922.3	2907.4	2902.5	2890.9	2890.9	2892.5
25°	2877.6	2872.6	2856.0	2852.8	2851.1	2844.4	2847.8
27.5°	2808.0	2804.7	2791.5	2786.5	2779.9	2778.2	2781.5
30°	2680.4	2675.5	2665.6	2660.6	2649.0	2650.6	2653.9
32.5°	2521.4	2514.8	2501.5	2496.5	2486.7	2483.3	2484.9
35°	2322.7	2317.7	2306.1	2306.1	2296.1	2292.8	2296.1
37.5°	2120.5	2125.5	2120.5	2125.5	2120.5	2118.8	2120.5
40°	1930.0	1948.2	1951.5	1969.8	1963.2	1973.1	1971.4
42.5°	1747.8	1777.6	1789.2	1804.1	1800.8	1807.4	1812.4
45°	1563.8	1588.7	1600.3	1610.3	1611.9	1615.3	1616.9
47.5°	1389.9	1409.8	1411.4	1423.0	1421.4	1421.4	1426.4
50°	1227.6	1240.8	1244.1	1252.4	1245.8	1242.5	1244.1
52.5°	1076.8	1090.1	1086.7	1090.1	1081.8	1078.5	1080.1
55°	922.7	929.3	929.3	929.3	919.5	919.5	919.5
57.5°	765.4	767.1	763.7	765.4	763.7	753.8	752.1
60°	621.3	621.3	619.6	621.3	616.3	611.3	611.3
62.5°	485.4	488.7	495.3	488.7	485.4	488.7	483.7
65°	362.8	369.4	367.7	371.1	369.4	369.4	366.1
67.5°	273.4	275.0	276.6	278.3	278.3	278.3	278.3
70°	200.5	205.5	203.7	203.7	203.7	203.7	213.7
72.5°	134.2	140.8	139.2	142.4	142.4	145.8	142.4
75°	91.1	97.7	94.4	99.4	97.7	94.4	102.7
77.5°	61.3	64.6	66.3	67.9	66.3	64.6	66.3
80°	43.1	46.4	44.7	46.4	46.4	46.4	48.1
82.5°	26.5	31.5	29.8	31.5	29.8	31.5	31.5
85°	18.2	19.9	16.6	19.9	18.2	18.2	21.5
87.5°	11.6	10.0	10.0	11.6	10.0	11.6	10.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)