

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: P248885

Luminaire Tested: **LD8B70D010 ER8B70835 8LBSW0B**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P248885  
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 ER8B70835 8LBSW0B  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
80 CRI 3500 CCT WITH SPECULAR BLACK TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5753.0 lumens  
Efficiency: N/A  
Efficacy: 75.8 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

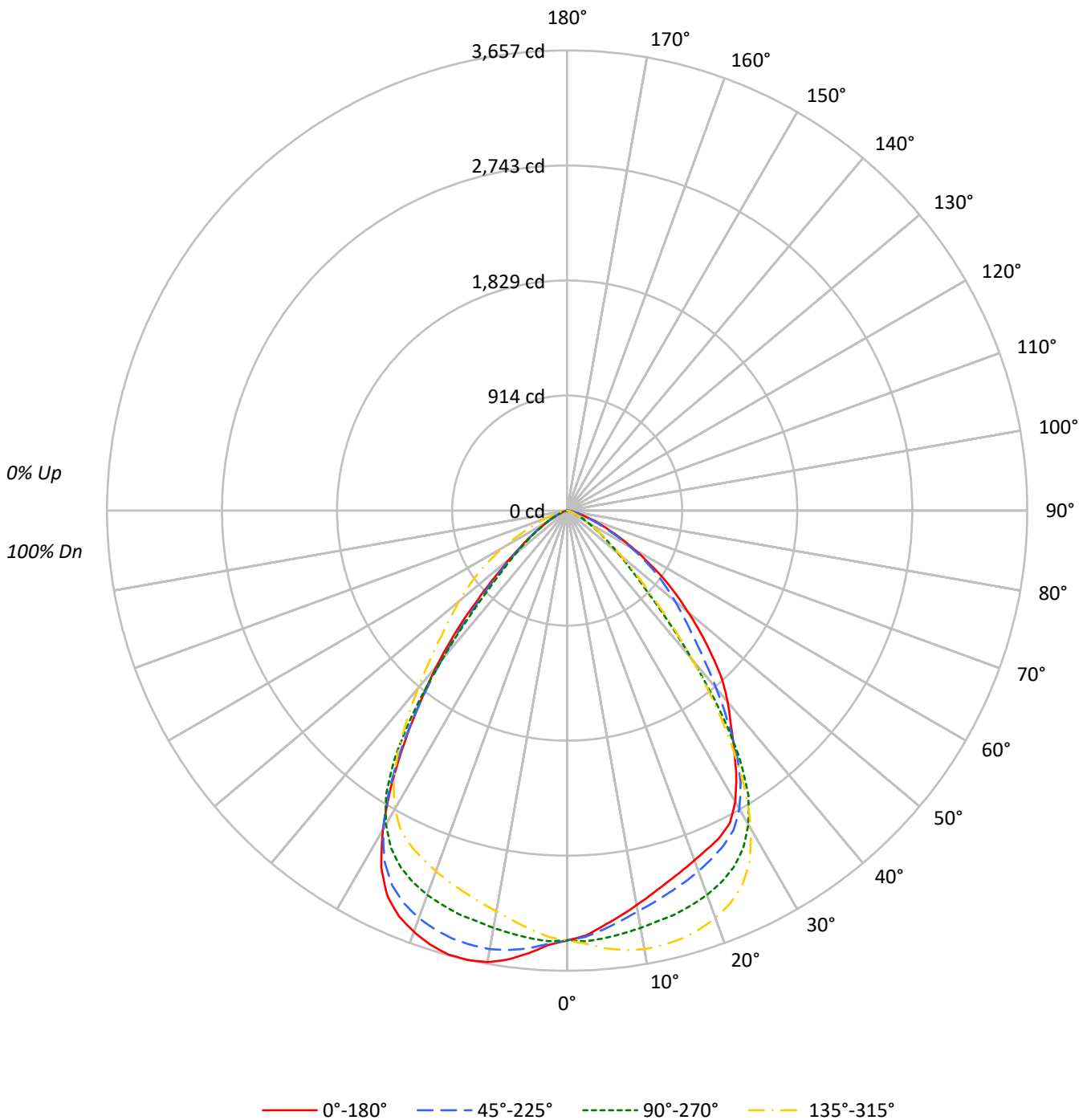
Input Watts (W): 75.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	90
2	105	99	94	89	102	97	92	88	93	90	86	90	87	84	87	85	83	81
3	98	90	83	78	95	88	82	78	85	80	76	83	79	75	80	77	74	72
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	65
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58
6	80	69	61	56	78	68	61	56	66	60	55	65	59	55	63	58	55	53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	55	49	46	44
9	66	54	47	42	65	54	47	42	53	47	42	52	46	42	51	46	42	40
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	37

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	105318	105318	105318	105318
5°	102520	105566	109333	105566
10°	99685	105428	114095	105428
15°	97691	106052	116593	106052
20°	97028	106660	116891	106660
25°	97537	106444	115015	106444
30°	95127	102547	104392	102547
35°	87011	89458	84876	89458
40°	79884	62229	64982	62229
45°	70978	37962	43927	37962
50°	60081	25358	28160	25358
55°	49762	17306	18290	17306
60°	37953	11520	11619	11520
65°	26888	7180	6574	7180
70°	19393	4805	4364	4805
75°	12319	2383	1990	2383
80°	8595	1776	1474	1776
85°	7678	0	566	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	325.1	5.7
10°-20°	941.4	16.4
20°-30°	1425.4	24.8
30°-40°	1428.6	24.8
40°-50°	897.1	15.6
50°-60°	478.1	8.3
60°-70°	196.6	3.4
70°-80°	51.9	0.9
80°-90°	8.8	0.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2691.9	46.8
0°-40°	4120.5	71.6
0°-60°	5495.7	95.5
0°-90°	5753.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5753.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3415	3415	3415	3415	3415	
5°	3312	3410	3532	3410	3312	312
15°	3060	3322	3652	3322	3060	866
25°	2867	3128	3380	3128	2867	1315
35°	2311	2376	2255	2376	2311	1448
45°	1628	870	1007	870	1628	1252
55°	926	322	340	322	926	825
65°	368	98	90	98	368	382
75°	103	20	17	20	103	117
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°	3415.4	3415.4	3415.4	3415.4	3415.4	3415.4	3415.4	3415.4	3415.4	3415.4	3415.4
2.5°	3380.4	3377.0	3375.4	3378.7	3380.4	3387.0	3385.4	3388.7	3388.7	3390.4	3393.7
5°	3312.0	3310.3	3312.0	3312.0	3318.7	3325.3	3323.7	3328.7	3332.0	3340.3	3343.6
7.5°	3248.6	3248.6	3246.9	3253.6	3256.9	3267.0	3265.3	3273.6	3278.6	3286.9	3298.6
10°	3183.6	3183.6	3185.2	3190.2	3191.9	3206.9	3206.9	3218.6	3225.2	3233.6	3248.6
12.5°	3120.2	3120.2	3130.2	3126.9	3133.5	3145.2	3150.2	3161.9	3171.9	3188.6	3203.6
15°	3060.1	3060.1	3063.5	3071.8	3076.8	3091.9	3100.2	3113.6	3125.2	3141.9	3163.6
17.5°	3008.5	3006.8	3008.5	3018.5	3028.5	3041.8	3048.5	3065.2	3076.8	3098.5	3118.6
20°	2956.8	2960.1	2960.1	2968.4	2975.1	2991.8	2998.4	3016.8	3030.2	3050.1	3073.5
22.5°	2911.7	2910.1	2910.1	2921.8	2926.8	2941.7	2948.4	2965.1	2980.1	2996.8	3018.5
25°	2866.7	2863.4	2870.1	2871.7	2875.0	2891.7	2896.7	2908.4	2923.4	2938.4	2960.1
27.5°	2800.0	2796.7	2798.3	2805.0	2810.0	2823.3	2826.7	2838.4	2850.0	2863.4	2881.7
30°	2671.6	2668.3	2666.6	2678.3	2683.3	2693.3	2698.3	2718.3	2721.6	2736.6	2750.0
32.5°	2501.5	2499.8	2503.2	2513.1	2518.1	2531.5	2538.2	2549.9	2558.2	2566.5	2579.9
35°	2311.4	2308.0	2311.4	2321.4	2321.4	2333.1	2338.1	2343.0	2341.4	2343.0	2339.7
37.5°	2134.6	2132.9	2134.6	2139.6	2134.6	2139.6	2134.6	2124.6	2106.3	2086.3	2066.2
40°	1984.5	1986.2	1976.2	1982.9	1964.5	1961.2	1942.9	1917.8	1881.1	1841.1	1784.4
42.5°	1824.4	1819.4	1812.8	1816.1	1801.1	1789.4	1759.4	1727.7	1681.0	1614.3	1545.9
45°	1627.6	1626.0	1622.6	1621.0	1611.0	1599.3	1574.2	1537.6	1485.9	1417.5	1335.8
47.5°	1435.9	1430.9	1430.9	1432.5	1420.8	1419.2	1399.1	1367.5	1322.5	1255.7	1170.7
50°	1252.4	1250.7	1254.1	1260.8	1252.4	1249.1	1235.8	1214.1	1174.1	1117.4	1037.3
52.5°	1087.3	1085.6	1089.0	1097.3	1094.0	1097.3	1084.0	1067.3	1040.6	985.6	915.6
55°	925.6	925.6	925.6	935.5	935.5	935.5	928.9	918.9	893.9	853.8	788.8
57.5°	757.1	758.8	768.8	770.4	768.8	772.2	770.4	760.4	743.8	715.5	665.4
60°	615.4	615.4	620.4	625.4	623.7	625.4	625.4	620.4	603.7	580.4	540.4
62.5°	486.9	492.0	488.6	492.0	498.6	492.0	488.6	485.3	473.6	458.6	425.2
65°	368.5	371.9	371.9	373.6	370.2	371.9	365.2	360.2	353.6	336.9	315.2
67.5°	280.2	280.2	280.2	280.2	278.5	276.8	275.2	270.2	258.5	251.8	228.4
70°	215.1	205.1	205.1	205.1	205.1	206.8	201.8	195.2	191.8	180.1	163.4
72.5°	143.4	146.8	143.4	143.4	140.1	141.7	135.1	131.7	128.4	121.8	111.7
75°	103.4	95.1	98.4	100.1	95.1	98.4	91.7	85.0	85.0	80.0	75.0
77.5°	66.7	65.1	66.7	68.4	66.7	65.1	61.7	58.3	58.3	56.7	51.7
80°	48.4	46.7	46.7	46.7	45.0	46.7	43.4	43.4	40.0	38.4	35.0
82.5°	31.7	31.7	30.0	31.7	30.0	31.7	26.7	26.7	26.7	25.0	21.7
85°	21.7	18.3	18.3	20.0	16.7	20.0	18.3	16.7	15.0	15.0	13.3
87.5°	10.0	11.7	10.0	11.7	10.0	10.0	11.7	10.0	10.0	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°	3415.4	3415.4	3415.4	3415.4	3415.4	3415.4	3415.4	3415.4	3415.4	3415.4	3415.4
2.5°	3398.7	3400.3	3400.3	3407.1	3410.4	3412.0	3412.0	3425.4	3420.4	3423.7	3427.0
5°	3350.4	3360.3	3363.7	3363.7	3382.0	3388.7	3395.3	3410.4	3412.0	3422.0	3433.7
7.5°	3303.6	3315.3	3322.0	3337.0	3348.7	3360.3	3380.4	3390.4	3400.3	3413.7	3428.7
10°	3258.6	3272.0	3285.3	3297.0	3315.3	3330.3	3343.6	3367.0	3378.7	3397.0	3417.0
12.5°	3215.3	3233.6	3245.3	3265.3	3285.3	3298.6	3318.7	3340.3	3358.7	3377.0	3400.3
15°	3176.9	3198.6	3211.9	3233.6	3255.3	3273.6	3295.3	3322.0	3335.3	3357.0	3378.7
17.5°	3135.2	3158.6	3175.3	3195.2	3221.9	3241.9	3260.3	3286.9	3303.6	3327.0	3352.0
20°	3091.9	3115.2	3135.2	3155.2	3181.9	3201.9	3223.6	3250.3	3268.6	3292.0	3312.0
22.5°	3040.2	3061.9	3083.5	3106.8	3133.5	3150.2	3175.3	3198.6	3218.6	3240.3	3260.3
25°	2973.5	3000.2	3016.8	3038.5	3060.1	3078.5	3105.2	3128.5	3145.2	3165.2	3183.6
27.5°	2895.1	2915.1	2928.4	2946.8	2968.4	2985.1	3005.1	3028.5	3045.2	3063.5	3076.8
30°	2761.6	2780.0	2791.7	2805.0	2826.7	2841.7	2858.4	2880.0	2891.7	2905.1	2916.8
32.5°	2586.5	2601.5	2608.2	2618.2	2633.3	2648.2	2661.6	2679.9	2684.9	2693.3	2693.3
35°	2333.1	2336.4	2334.7	2338.1	2344.8	2353.1	2364.7	2376.4	2383.1	2383.1	2378.1
37.5°	2036.2	2016.2	1994.5	1977.9	1972.9	1969.5	1976.2	1981.2	1987.9	1991.2	1982.9
40°	1727.7	1682.7	1634.3	1590.9	1560.9	1547.6	1542.6	1545.9	1545.9	1557.6	1557.6
42.5°	1462.6	1392.5	1320.8	1255.7	1212.4	1179.1	1164.0	1164.0	1165.7	1174.1	1179.1
45°	1242.4	1154.0	1070.6	999.0	938.9	895.5	875.5	870.5	868.9	872.2	883.8
47.5°	1074.0	982.3	895.5	807.2	743.8	700.4	682.1	675.4	668.7	675.4	677.1
50°	942.3	847.2	755.5	667.1	600.3	562.0	538.6	528.6	527.0	527.0	530.3
52.5°	822.1	733.8	642.1	552.0	481.9	445.3	423.6	418.6	411.9	418.6	418.6
55°	708.7	620.4	530.3	445.3	386.9	348.6	328.5	321.9	318.5	323.5	323.5
57.5°	585.4	510.3	427.0	350.2	291.9	265.2	250.1	241.8	240.1	243.5	240.1
60°	480.3	416.9	345.2	275.2	230.2	201.8	190.1	186.8	183.4	186.8	186.8
62.5°	380.2	326.9	268.5	215.1	176.8	156.8	143.4	143.4	141.7	141.7	143.4
65°	281.8	240.1	198.4	153.4	123.4	108.4	98.4	98.4	96.7	98.4	96.7
67.5°	205.1	176.8	143.4	111.7	88.4	80.0	73.4	68.4	71.7	68.4	66.7
70°	150.1	126.7	103.4	85.0	68.4	60.1	55.1	53.3	50.0	50.0	50.0
72.5°	100.1	85.0	70.0	55.1	45.0	36.7	35.0	31.7	28.3	30.0	33.4
75°	66.7	56.7	50.0	40.0	30.0	30.0	20.0	20.0	16.7	20.0	15.0
77.5°	46.7	38.4	30.0	25.0	20.0	18.3	13.3	13.3	11.7	11.7	11.7
80°	33.4	28.3	21.7	18.3	13.3	13.3	11.7	10.0	8.3	8.3	10.0
82.5°	20.0	15.0	15.0	13.3	8.3	6.7	5.0	6.7	3.4	3.4	3.4
85°	11.7	10.0	8.3	5.0	3.4	3.4	1.6	0.0	1.6	1.6	0.0
87.5°	6.7	3.4	3.4	1.6	0.0	1.6	1.6	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°	3415.4	3415.4	3415.4	3415.4	3415.4	3415.4	3415.4	3415.4	3415.4	3415.4	3415.4
2.5°	3435.4	3433.7	3437.1	3437.1	3447.1	3445.4	3450.4	3450.4	3447.1	3448.7	3455.4
5°	3447.1	3452.1	3462.1	3470.4	3485.4	3492.1	3500.4	3508.8	3510.4	3515.5	3520.5
7.5°	3447.1	3463.8	3475.4	3490.4	3510.4	3522.1	3540.4	3555.5	3562.1	3570.4	3580.5
10°	3440.4	3457.0	3478.7	3495.4	3520.5	3538.8	3557.1	3580.5	3590.5	3603.8	3617.2
12.5°	3427.0	3445.4	3468.7	3490.4	3518.7	3535.4	3558.8	3580.5	3595.5	3613.8	3628.9
15°	3407.1	3428.7	3450.4	3472.1	3502.1	3522.1	3543.8	3568.8	3583.8	3603.8	3617.2
17.5°	3375.4	3398.7	3418.7	3438.7	3467.1	3490.4	3510.4	3533.8	3548.8	3565.5	3583.8
20°	3337.0	3358.7	3380.4	3397.0	3425.4	3445.4	3467.1	3488.8	3500.4	3503.8	3532.1
22.5°	3288.7	3303.6	3320.3	3347.0	3363.7	3382.0	3402.1	3422.0	3433.7	3452.1	3462.1
25°	3208.6	3223.6	3241.9	3253.6	3273.6	3288.7	3308.6	3330.3	3337.0	3350.4	3360.3
27.5°	3096.9	3105.2	3113.6	3123.5	3135.2	3143.5	3155.2	3165.2	3171.9	3178.6	3185.2
30°	2920.0	2920.0	2920.0	2913.4	2918.4	2923.4	2925.1	2923.4	2923.4	2921.8	2921.8
32.5°	2686.6	2673.3	2658.2	2644.9	2639.9	2633.3	2629.9	2624.9	2616.6	2611.6	2613.2
35°	2371.4	2341.4	2323.1	2306.4	2293.1	2283.0	2278.0	2273.0	2271.4	2264.7	2258.0
37.5°	1977.9	1956.2	1942.9	1932.8	1921.2	1911.1	1912.8	1914.5	1919.4	1916.2	1917.8
40°	1560.9	1555.9	1560.9	1549.3	1545.9	1549.3	1557.6	1569.3	1576.0	1582.6	1594.3
42.5°	1187.4	1195.7	1207.4	1207.4	1212.4	1219.1	1229.0	1247.4	1257.4	1269.1	1282.4
45°	893.9	903.9	918.9	923.9	927.2	935.5	947.3	962.2	968.9	978.9	990.6
47.5°	688.8	695.4	703.7	712.1	720.4	723.8	735.4	735.4	743.8	750.5	753.8
50°	537.0	543.6	550.3	555.3	558.7	563.7	567.0	572.0	573.6	577.0	578.7
52.5°	420.2	428.6	428.6	431.9	436.9	441.9	440.3	441.9	443.6	443.6	448.6
55°	328.5	328.5	333.5	333.5	336.9	335.2	336.9	336.9	336.9	336.9	338.5
57.5°	245.1	246.8	251.8	248.5	246.8	250.1	246.8	250.1	248.5	251.8	246.8
60°	188.4	188.4	190.1	190.1	191.8	191.8	191.8	190.1	190.1	188.4	188.4
62.5°	141.7	143.4	145.1	143.4	143.4	143.4	141.7	141.7	140.1	138.4	138.4
65°	95.1	93.4	96.7	93.4	95.1	95.1	93.4	95.1	90.1	91.7	90.1
67.5°	68.4	66.7	65.1	66.7	65.1	63.4	63.4	65.1	66.7	61.7	61.7
70°	45.0	46.7	45.0	46.7	48.4	48.4	46.7	45.0	46.7	43.4	45.0
72.5°	28.3	28.3	28.3	28.3	28.3	30.0	30.0	30.0	26.7	26.7	25.0
75°	13.3	18.3	15.0	13.3	18.3	18.3	16.7	16.7	15.0	15.0	15.0
77.5°	13.3	10.0	10.0	10.0	10.0	10.0	10.0	10.0	8.3	10.0	8.3
80°	6.7	6.7	6.7	5.0	6.7	6.7	8.3	6.7	6.7	5.0	8.3
82.5°	3.4	3.4	3.4	0.0	1.6	3.4	3.4	1.6	3.4	3.4	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: P248885

CATALOG NUMBER: LD8B70D010 ER8B70835 8LBSW0B

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3415.4	3415.4	3415.4	3415.4	3415.4	3415.4	3415.4	3415.4	3415.4	3415.4	3415.4
2.5°	3453.7	3452.1	3453.7	3455.4	3453.7	3452.1	3453.7	3455.4	3448.7	3447.1	3450.4
5°	3527.1	3527.1	3530.4	3532.1	3530.4	3527.1	3527.1	3520.5	3515.5	3510.4	3508.8
7.5°	3590.5	3593.8	3597.1	3598.8	3597.1	3593.8	3590.5	3580.5	3570.4	3562.1	3555.5
10°	3628.9	3633.9	3640.5	3643.8	3640.5	3633.9	3628.9	3617.2	3603.8	3590.5	3580.5
12.5°	3645.5	3650.5	3658.8	3657.2	3658.8	3650.5	3645.5	3628.9	3613.8	3595.5	3580.5
15°	3633.9	3640.5	3648.8	3652.2	3648.8	3640.5	3633.9	3617.2	3603.8	3583.8	3568.8
17.5°	3597.1	3607.2	3612.2	3617.2	3612.2	3607.2	3597.1	3583.8	3565.5	3548.8	3533.8
20°	3547.1	3553.8	3560.5	3562.1	3560.5	3553.8	3547.1	3532.1	3503.8	3500.4	3488.8
22.5°	3475.4	3480.4	3495.4	3490.4	3495.4	3480.4	3475.4	3462.1	3452.1	3433.7	3422.0
25°	3372.0	3377.0	3378.7	3380.4	3378.7	3377.0	3372.0	3360.3	3350.4	3337.0	3330.3
27.5°	3193.6	3193.6	3196.9	3198.6	3196.9	3193.6	3193.6	3185.2	3178.6	3171.9	3165.2
30°	2923.4	2923.4	2923.4	2931.8	2923.4	2923.4	2923.4	2921.8	2921.8	2923.4	2923.4
32.5°	2611.6	2608.2	2604.9	2608.2	2604.9	2608.2	2611.6	2613.2	2611.6	2616.6	2624.9
35°	2258.0	2256.3	2261.4	2254.7	2261.4	2256.3	2258.0	2258.0	2264.7	2271.4	2273.0
37.5°	1919.4	1916.2	1922.8	1916.2	1922.8	1916.2	1919.4	1917.8	1916.2	1919.4	1914.5
40°	1597.7	1600.9	1600.9	1614.3	1600.9	1600.9	1597.7	1594.3	1582.6	1576.0	1569.3
42.5°	1289.1	1299.1	1295.8	1305.8	1295.8	1299.1	1289.1	1282.4	1269.1	1257.4	1247.4
45°	997.2	1004.0	1004.0	1007.3	1004.0	1004.0	997.2	990.6	978.9	968.9	962.2
47.5°	765.4	765.4	765.4	767.1	765.4	765.4	765.4	753.8	750.5	743.8	735.4
50°	582.0	583.7	585.4	587.0	585.4	583.7	582.0	578.7	577.0	573.6	572.0
52.5°	446.9	448.6	445.3	448.6	445.3	448.6	446.9	448.6	443.6	443.6	441.9
55°	338.5	336.9	338.5	340.2	338.5	336.9	338.5	338.5	336.9	336.9	336.9
57.5°	248.5	245.1	245.1	245.1	245.1	245.1	248.5	246.8	251.8	248.5	250.1
60°	185.1	186.8	186.8	188.4	186.8	186.8	185.1	188.4	188.4	190.1	190.1
62.5°	136.7	141.7	138.4	141.7	138.4	141.7	136.7	138.4	138.4	140.1	141.7
65°	88.4	88.4	88.4	90.1	88.4	88.4	88.4	90.1	91.7	90.1	95.1
67.5°	60.1	61.7	65.1	63.4	65.1	61.7	60.1	61.7	61.7	66.7	65.1
70°	48.4	43.4	43.4	48.4	43.4	43.4	48.4	45.0	43.4	46.7	45.0
72.5°	28.3	25.0	28.3	28.3	28.3	25.0	28.3	25.0	26.7	26.7	30.0
75°	15.0	13.3	11.7	16.7	11.7	13.3	15.0	15.0	15.0	15.0	16.7
77.5°	10.0	8.3	11.7	11.7	11.7	8.3	10.0	8.3	10.0	8.3	10.0
80°	5.0	6.7	5.0	8.3	5.0	6.7	5.0	8.3	5.0	6.7	6.7
82.5°	1.6	3.4	3.4	3.4	3.4	3.4	1.6	1.6	3.4	3.4	1.6
85°	0.0	3.4	1.6	1.6	1.6	3.4	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: P248885

CATALOG NUMBER: LD8B70D010 ER8B70835 8LBSW0B

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3415.4	3415.4	3415.4	3415.4	3415.4	3415.4	3415.4	3415.4	3415.4	3415.4	3415.4
2.5°	3450.4	3445.4	3447.1	3437.1	3437.1	3433.7	3435.4	3427.0	3423.7	3420.4	3425.4
5°	3500.4	3492.1	3485.4	3470.4	3462.1	3452.1	3447.1	3433.7	3422.0	3412.0	3410.4
7.5°	3540.4	3522.1	3510.4	3490.4	3475.4	3463.8	3447.1	3428.7	3413.7	3400.3	3390.4
10°	3557.1	3538.8	3520.5	3495.4	3478.7	3457.0	3440.4	3417.0	3397.0	3378.7	3367.0
12.5°	3558.8	3535.4	3518.7	3490.4	3468.7	3445.4	3427.0	3400.3	3377.0	3358.7	3340.3
15°	3543.8	3522.1	3502.1	3472.1	3450.4	3428.7	3407.1	3378.7	3357.0	3335.3	3322.0
17.5°	3510.4	3490.4	3467.1	3438.7	3418.7	3398.7	3375.4	3352.0	3327.0	3303.6	3286.9
20°	3467.1	3445.4	3425.4	3397.0	3380.4	3358.7	3337.0	3312.0	3292.0	3268.6	3250.3
22.5°	3402.1	3382.0	3363.7	3347.0	3320.3	3303.6	3288.7	3260.3	3240.3	3218.6	3198.6
25°	3308.6	3288.7	3273.6	3253.6	3241.9	3223.6	3208.6	3183.6	3165.2	3145.2	3128.5
27.5°	3155.2	3143.5	3135.2	3123.5	3113.6	3105.2	3096.9	3076.8	3063.5	3045.2	3028.5
30°	2925.1	2923.4	2918.4	2913.4	2920.0	2920.0	2920.0	2916.8	2905.1	2891.7	2880.0
32.5°	2629.9	2633.3	2639.9	2644.9	2658.2	2673.3	2686.6	2693.3	2693.3	2684.9	2679.9
35°	2278.0	2283.0	2293.1	2306.4	2323.1	2341.4	2371.4	2378.1	2383.1	2383.1	2376.4
37.5°	1912.8	1911.1	1921.2	1932.8	1942.9	1956.2	1977.9	1982.9	1991.2	1987.9	1981.2
40°	1557.6	1549.3	1545.9	1549.3	1560.9	1555.9	1560.9	1557.6	1557.6	1545.9	1545.9
42.5°	1229.0	1219.1	1212.4	1207.4	1207.4	1195.7	1187.4	1179.1	1174.1	1165.7	1164.0
45°	947.3	935.5	927.2	923.9	918.9	903.9	893.9	883.8	872.2	868.9	870.5
47.5°	735.4	723.8	720.4	712.1	703.7	695.4	688.8	677.1	675.4	668.7	675.4
50°	567.0	563.7	558.7	555.3	550.3	543.6	537.0	530.3	527.0	527.0	528.6
52.5°	440.3	441.9	436.9	431.9	428.6	428.6	420.2	418.6	418.6	411.9	418.6
55°	336.9	335.2	336.9	333.5	333.5	328.5	328.5	323.5	323.5	318.5	321.9
57.5°	246.8	250.1	246.8	248.5	251.8	246.8	245.1	240.1	243.5	240.1	241.8
60°	191.8	191.8	191.8	190.1	190.1	188.4	188.4	186.8	186.8	183.4	186.8
62.5°	141.7	143.4	143.4	143.4	145.1	143.4	141.7	143.4	141.7	141.7	143.4
65°	93.4	95.1	95.1	93.4	96.7	93.4	95.1	96.7	98.4	96.7	98.4
67.5°	63.4	63.4	65.1	66.7	65.1	66.7	68.4	66.7	68.4	71.7	68.4
70°	46.7	48.4	48.4	46.7	45.0	46.7	45.0	50.0	50.0	50.0	53.3
72.5°	30.0	30.0	28.3	28.3	28.3	28.3	28.3	33.4	30.0	28.3	31.7
75°	16.7	18.3	18.3	13.3	15.0	18.3	13.3	15.0	20.0	16.7	20.0
77.5°	10.0	10.0	10.0	10.0	10.0	10.0	13.3	11.7	11.7	11.7	13.3
80°	8.3	6.7	6.7	5.0	6.7	6.7	6.7	10.0	8.3	8.3	10.0
82.5°	3.4	3.4	1.6	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	1.6	1.6	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: P248885

CATALOG NUMBER: LD8B70D010 ER8B70835 8LBSW0B

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3415.4	3415.4	3415.4	3415.4	3415.4	3415.4	3415.4	3415.4	3415.4	3415.4	3415.4
2.5°	3412.0	3412.0	3410.4	3407.1	3400.3	3400.3	3398.7	3393.7	3390.4	3388.7	3388.7
5°	3395.3	3388.7	3382.0	3363.7	3363.7	3360.3	3350.4	3343.6	3340.3	3332.0	3328.7
7.5°	3380.4	3360.3	3348.7	3337.0	3322.0	3315.3	3303.6	3298.6	3286.9	3278.6	3273.6
10°	3343.6	3330.3	3315.3	3297.0	3285.3	3272.0	3258.6	3248.6	3233.6	3225.2	3218.6
12.5°	3318.7	3298.6	3285.3	3265.3	3245.3	3233.6	3215.3	3203.6	3188.6	3171.9	3161.9
15°	3295.3	3273.6	3255.3	3233.6	3211.9	3198.6	3176.9	3163.6	3141.9	3125.2	3113.6
17.5°	3260.3	3241.9	3221.9	3195.2	3175.3	3158.6	3135.2	3118.6	3098.5	3076.8	3065.2
20°	3223.6	3201.9	3181.9	3155.2	3135.2	3115.2	3091.9	3073.5	3050.1	3030.2	3016.8
22.5°	3175.3	3150.2	3133.5	3106.8	3083.5	3061.9	3040.2	3018.5	2996.8	2980.1	2965.1
25°	3105.2	3078.5	3060.1	3038.5	3016.8	3000.2	2973.5	2960.1	2938.4	2923.4	2908.4
27.5°	3005.1	2985.1	2968.4	2946.8	2928.4	2915.1	2895.1	2881.7	2863.4	2850.0	2838.4
30°	2858.4	2841.7	2826.7	2805.0	2791.7	2780.0	2761.6	2750.0	2736.6	2721.6	2718.3
32.5°	2661.6	2648.2	2633.3	2618.2	2608.2	2601.5	2586.5	2579.9	2566.5	2558.2	2549.9
35°	2364.7	2353.1	2344.8	2338.1	2334.7	2336.4	2333.1	2339.7	2343.0	2341.4	2343.0
37.5°	1976.2	1969.5	1972.9	1977.9	1994.5	2016.2	2036.2	2066.2	2086.3	2106.3	2124.6
40°	1542.6	1547.6	1560.9	1590.9	1634.3	1682.7	1727.7	1784.4	1841.1	1881.1	1917.8
42.5°	1164.0	1179.1	1212.4	1255.7	1320.8	1392.5	1462.6	1545.9	1614.3	1681.0	1727.7
45°	875.5	895.5	938.9	999.0	1070.6	1154.0	1242.4	1335.8	1417.5	1485.9	1537.6
47.5°	682.1	700.4	743.8	807.2	895.5	982.3	1074.0	1170.7	1255.7	1322.5	1367.5
50°	538.6	562.0	600.3	667.1	755.5	847.2	942.3	1037.3	1117.4	1174.1	1214.1
52.5°	423.6	445.3	481.9	552.0	642.1	733.8	822.1	915.6	985.6	1040.6	1067.3
55°	328.5	348.6	386.9	445.3	530.3	620.4	708.7	788.8	853.8	893.9	918.9
57.5°	250.1	265.2	291.9	350.2	427.0	510.3	585.4	665.4	715.5	743.8	760.4
60°	190.1	201.8	230.2	275.2	345.2	416.9	480.3	540.4	580.4	603.7	620.4
62.5°	143.4	156.8	176.8	215.1	268.5	326.9	380.2	425.2	458.6	473.6	485.3
65°	98.4	108.4	123.4	153.4	198.4	240.1	281.8	315.2	336.9	353.6	360.2
67.5°	73.4	80.0	88.4	111.7	143.4	176.8	205.1	228.4	251.8	258.5	270.2
70°	55.1	60.1	68.4	85.0	103.4	126.7	150.1	163.4	180.1	191.8	195.2
72.5°	35.0	36.7	45.0	55.1	70.0	85.0	100.1	111.7	121.8	128.4	131.7
75°	20.0	30.0	30.0	40.0	50.0	56.7	66.7	75.0	80.0	85.0	85.0
77.5°	13.3	18.3	20.0	25.0	30.0	38.4	46.7	51.7	56.7	58.3	58.3
80°	11.7	13.3	13.3	18.3	21.7	28.3	33.4	35.0	38.4	40.0	43.4
82.5°	5.0	6.7	8.3	13.3	15.0	15.0	20.0	21.7	25.0	26.7	26.7
85°	1.6	3.4	3.4	5.0	8.3	10.0	11.7	13.3	15.0	15.0	16.7
87.5°	1.6	1.6	0.0	1.6	3.4	3.4	6.7	6.7	6.7	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: P248885

CATALOG NUMBER: LD8B70D010 ER8B70835 8LBSW0B

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	3415.4	3415.4	3415.4	3415.4	3415.4	3415.4	3415.4
2.5°	3385.4	3387.0	3380.4	3378.7	3375.4	3377.0	3380.4
5°	3323.7	3325.3	3318.7	3312.0	3312.0	3310.3	3312.0
7.5°	3265.3	3267.0	3256.9	3253.6	3246.9	3248.6	3248.6
10°	3206.9	3206.9	3191.9	3190.2	3185.2	3183.6	3183.6
12.5°	3150.2	3145.2	3133.5	3126.9	3130.2	3120.2	3120.2
15°	3100.2	3091.9	3076.8	3071.8	3063.5	3060.1	3060.1
17.5°	3048.5	3041.8	3028.5	3018.5	3008.5	3006.8	3008.5
20°	2998.4	2991.8	2975.1	2968.4	2960.1	2960.1	2956.8
22.5°	2948.4	2941.7	2926.8	2921.8	2910.1	2910.1	2911.7
25°	2896.7	2891.7	2875.0	2871.7	2870.1	2863.4	2866.7
27.5°	2826.7	2823.3	2810.0	2805.0	2798.3	2796.7	2800.0
30°	2698.3	2693.3	2683.3	2678.3	2666.6	2668.3	2671.6
32.5°	2538.2	2531.5	2518.1	2513.1	2503.2	2499.8	2501.5
35°	2338.1	2333.1	2321.4	2321.4	2311.4	2308.0	2311.4
37.5°	2134.6	2139.6	2134.6	2139.6	2134.6	2132.9	2134.6
40°	1942.9	1961.2	1964.5	1982.9	1976.2	1986.2	1984.5
42.5°	1759.4	1789.4	1801.1	1816.1	1812.8	1819.4	1824.4
45°	1574.2	1599.3	1611.0	1621.0	1622.6	1626.0	1627.6
47.5°	1399.1	1419.2	1420.8	1432.5	1430.9	1430.9	1435.9
50°	1235.8	1249.1	1252.4	1260.8	1254.1	1250.7	1252.4
52.5°	1084.0	1097.3	1094.0	1097.3	1089.0	1085.6	1087.3
55°	928.9	935.5	935.5	935.5	925.6	925.6	925.6
57.5°	770.4	772.2	768.8	770.4	768.8	758.8	757.1
60°	625.4	625.4	623.7	625.4	620.4	615.4	615.4
62.5°	488.6	492.0	498.6	492.0	488.6	492.0	486.9
65°	365.2	371.9	370.2	373.6	371.9	371.9	368.5
67.5°	275.2	276.8	278.5	280.2	280.2	280.2	280.2
70°	201.8	206.8	205.1	205.1	205.1	205.1	215.1
72.5°	135.1	141.7	140.1	143.4	143.4	146.8	143.4
75°	91.7	98.4	95.1	100.1	98.4	95.1	103.4
77.5°	61.7	65.1	66.7	68.4	66.7	65.1	66.7
80°	43.4	46.7	45.0	46.7	46.7	46.7	48.4
82.5°	26.7	31.7	30.0	31.7	30.0	31.7	31.7
85°	18.3	20.0	16.7	20.0	18.3	18.3	21.7
87.5°	11.7	10.0	10.0	11.7	10.0	11.7	10.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)