

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: P248633

Luminaire Tested: **LD8B70D010 ER8B70927 8LBSW0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P248633  
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 ER8B70927 8LBSW0H  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
97 CRI 2700 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5898.4 lumens  
Efficiency: N/A  
Efficacy: 77.7 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.23 / 1.15  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

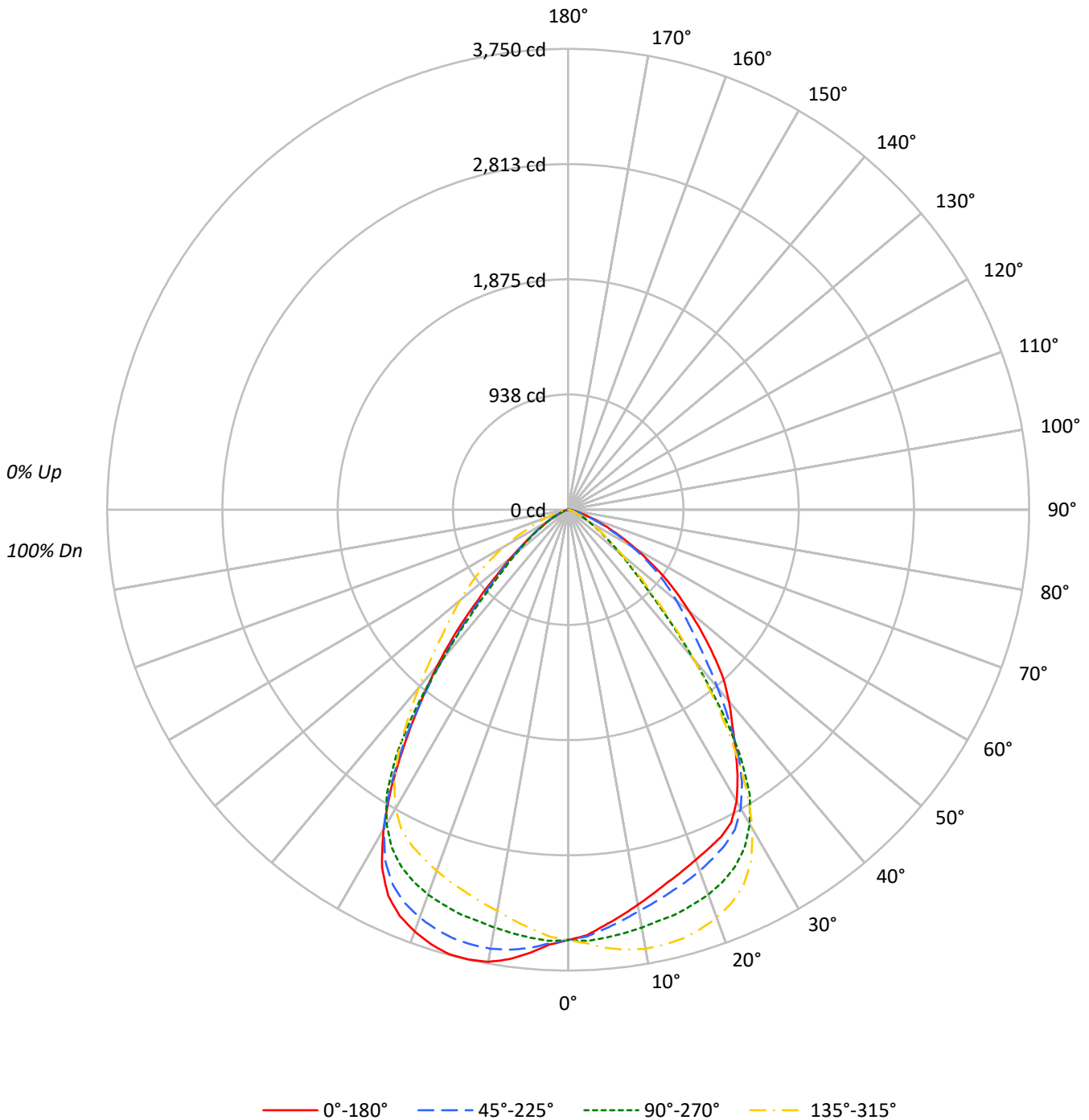
Input Watts (W): 75.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	Luminaire represents a point source (luminous area is zero).			
5°	No luminance values can be calculated.			
10°				
15°				
20°				
25°				
30°				
35°				
40°				
45°				
50°				
55°				
60°				
65°				
70°				
75°				
80°				
85°				



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	333.3	5.7
10°-20°	965.2	16.4
20°-30°	1461.5	24.8
30°-40°	1464.7	24.8
40°-50°	919.8	15.6
50°-60°	490.2	8.3
60°-70°	201.6	3.4
70°-80°	53.2	0.9
80°-90°	9.0	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°	2759.9	46.8
0°-40°	4224.6	71.6
0°-60°	5634.6	95.5
0°-90°	5898.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5898.4	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3502	3502	3502	3502	3502	
5°	3396	3496	3621	3496	3396	320
15°	3138	3406	3744	3406	3138	887
25°	2939	3208	3466	3208	2939	1348
35°	2370	2436	2312	2436	2370	1485
45°	1669	893	1033	893	1669	1283
55°	949	330	349	330	949	846
65°	378	101	92	101	378	392
75°	106	21	17	21	106	120
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°	3501.7	3501.7	3501.7	3501.7	3501.7	3501.7	3501.7	3501.7	3501.7	3501.7	3501.7
2.5°	3465.8	3462.3	3460.6	3464.1	3465.8	3472.6	3471.0	3474.3	3474.3	3476.0	3479.4
5°	3395.7	3393.9	3395.7	3395.7	3402.6	3409.3	3407.6	3412.8	3416.2	3424.7	3428.1
7.5°	3330.8	3330.8	3329.0	3335.8	3339.2	3349.6	3347.8	3356.3	3361.5	3370.0	3382.0
10°	3264.0	3264.0	3265.6	3270.8	3272.6	3287.9	3287.9	3300.0	3306.7	3315.4	3330.8
12.5°	3199.0	3199.0	3209.3	3205.9	3212.7	3224.7	3229.8	3241.8	3252.0	3269.1	3284.6
15°	3137.5	3137.5	3140.9	3149.4	3154.6	3170.0	3178.5	3192.2	3204.2	3221.3	3243.5
17.5°	3084.5	3082.8	3084.5	3094.8	3105.0	3118.7	3125.5	3142.6	3154.6	3176.8	3197.4
20°	3031.5	3034.9	3034.9	3043.5	3050.3	3067.4	3074.2	3093.1	3106.7	3127.2	3151.2
22.5°	2985.3	2983.6	2983.6	2995.6	3000.7	3016.1	3022.9	3040.0	3055.4	3072.5	3094.8
25°	2939.2	2935.7	2942.5	2944.2	2947.7	2964.8	2969.9	2981.9	2997.3	3012.8	3034.9
27.5°	2870.8	2867.4	2869.1	2875.8	2881.0	2894.6	2898.1	2910.0	2922.1	2935.7	2954.6
30°	2739.0	2735.7	2734.0	2746.0	2751.1	2761.3	2766.5	2787.0	2790.3	2805.8	2819.5
32.5°	2564.7	2563.0	2566.5	2576.6	2581.8	2595.5	2602.4	2614.3	2622.8	2631.4	2645.1
35°	2369.8	2366.3	2369.8	2380.0	2380.0	2392.1	2397.2	2402.2	2400.5	2402.2	2398.8
37.5°	2188.6	2186.8	2188.6	2193.6	2188.6	2193.6	2188.6	2178.3	2159.5	2139.0	2118.4
40°	2034.7	2036.4	2026.1	2033.0	2014.1	2010.7	1991.9	1966.3	1928.7	1887.6	1829.5
42.5°	1870.5	1865.4	1858.6	1862.0	1846.6	1834.5	1803.8	1771.4	1723.5	1655.1	1585.0
45°	1668.8	1667.1	1663.6	1662.0	1651.7	1639.7	1614.0	1576.5	1523.5	1453.4	1369.6
47.5°	1472.2	1467.0	1467.0	1468.7	1456.8	1455.1	1434.5	1402.1	1355.9	1287.4	1200.3
50°	1284.1	1282.4	1285.8	1292.6	1284.1	1280.7	1267.0	1244.8	1203.8	1145.6	1063.5
52.5°	1114.8	1113.1	1116.6	1125.0	1121.6	1125.0	1111.4	1094.3	1067.0	1010.5	938.7
55°	948.9	948.9	948.9	959.2	959.2	959.2	952.3	942.2	916.4	875.5	808.8
57.5°	776.2	777.9	788.2	789.9	788.2	791.7	789.9	779.6	762.6	733.5	682.2
60°	630.9	630.9	636.1	641.2	639.4	641.2	641.2	636.1	619.0	595.0	554.1
62.5°	499.3	504.3	501.0	504.3	511.2	504.3	501.0	497.6	485.6	470.1	435.9
65°	377.9	381.3	381.3	383.0	379.6	381.3	374.5	369.3	362.5	345.4	323.2
67.5°	287.3	287.3	287.3	287.3	285.5	283.8	282.2	277.0	265.0	258.2	234.2
70°	220.6	210.3	210.3	210.3	210.3	212.1	206.9	200.1	196.6	184.7	167.5
72.5°	147.0	150.4	147.0	147.0	143.7	145.4	138.5	135.0	131.6	124.9	114.5
75°	106.0	97.4	100.8	102.6	97.4	100.8	94.0	87.2	87.2	82.0	77.0
77.5°	68.4	66.7	68.4	70.1	68.4	66.7	63.2	59.8	59.8	58.2	53.0
80°	49.6	47.8	47.8	47.8	46.1	47.8	44.4	44.4	41.1	39.4	35.9
82.5°	32.5	32.5	30.7	32.5	30.7	32.5	27.3	27.3	27.3	25.6	22.3
85°	22.3	18.8	18.8	20.6	17.1	20.6	18.8	17.1	15.4	15.4	13.6
87.5°	10.2	11.9	10.2	11.9	10.2	10.2	11.9	10.2	10.2	6.9	6.9
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: P248633

CATALOG NUMBER: LD8B70D010 ER8B70927 8LBSWOH

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	3501.7	3501.7	3501.7	3501.7	3501.7	3501.7	3501.7	3501.7	3501.7	3501.7	3501.7
2.5°	3484.6	3486.3	3486.3	3493.1	3496.5	3498.2	3498.2	3511.9	3506.8	3510.2	3513.6
5°	3435.1	3445.2	3448.7	3448.7	3467.5	3474.3	3481.1	3496.5	3498.2	3508.5	3520.5
7.5°	3387.2	3399.1	3405.9	3421.4	3433.3	3445.2	3465.8	3476.0	3486.3	3500.0	3515.3
10°	3340.9	3354.6	3368.4	3380.3	3399.1	3414.5	3428.1	3452.1	3464.1	3482.9	3503.4
12.5°	3296.5	3315.4	3327.3	3347.8	3368.4	3382.0	3402.6	3424.7	3443.5	3462.3	3486.3
15°	3257.2	3279.4	3293.1	3315.4	3337.5	3356.3	3378.6	3405.9	3419.7	3441.8	3464.1
17.5°	3214.4	3238.4	3255.5	3276.0	3303.3	3323.8	3342.7	3370.0	3387.2	3411.0	3436.8
20°	3170.0	3193.9	3214.4	3234.9	3262.3	3282.8	3305.0	3332.5	3351.3	3375.1	3395.7
22.5°	3117.0	3139.2	3161.4	3185.3	3212.7	3229.8	3255.5	3279.4	3300.0	3322.1	3342.7
25°	3048.6	3076.0	3093.1	3115.2	3137.5	3156.3	3183.6	3207.6	3224.7	3245.2	3264.0
27.5°	2968.2	2988.8	3002.4	3021.2	3043.5	3060.6	3081.0	3105.0	3122.1	3140.9	3154.6
30°	2831.4	2850.3	2862.2	2875.8	2898.1	2913.5	2930.6	2952.8	2964.8	2978.5	2990.5
32.5°	2651.8	2667.3	2674.1	2684.4	2699.8	2715.2	2728.9	2747.7	2752.8	2761.3	2761.3
35°	2392.1	2395.5	2393.8	2397.2	2404.0	2412.6	2424.5	2436.4	2443.3	2443.3	2438.2
37.5°	2087.7	2067.2	2044.9	2027.8	2022.8	2019.3	2026.1	2031.2	2038.2	2041.5	2033.0
40°	1771.4	1725.2	1675.6	1631.1	1600.4	1586.7	1581.6	1585.0	1585.0	1596.9	1596.9
42.5°	1499.5	1427.6	1354.2	1287.4	1243.0	1208.8	1193.4	1193.4	1195.1	1203.8	1208.8
45°	1273.8	1183.2	1097.7	1024.2	962.7	918.1	897.6	892.6	890.9	894.3	906.2
47.5°	1101.1	1007.1	918.1	827.6	762.6	718.1	699.3	692.4	685.6	692.4	694.2
50°	966.0	868.6	774.6	683.9	615.5	576.2	552.3	542.0	540.3	540.3	543.7
52.5°	842.8	752.3	658.4	566.0	494.1	456.5	434.2	429.2	422.3	429.2	429.2
55°	726.6	636.1	543.7	456.5	396.7	357.4	336.8	330.0	326.6	331.7	331.7
57.5°	600.2	523.2	437.7	359.1	299.2	271.9	256.5	248.0	246.2	249.6	246.2
60°	492.4	427.5	353.9	282.2	236.0	206.9	195.0	191.5	188.1	191.5	191.5
62.5°	389.8	335.1	275.3	220.6	181.2	160.8	147.0	147.0	145.4	145.4	147.0
65°	289.0	246.2	203.5	157.3	126.6	111.2	100.8	100.8	99.1	100.8	99.1
67.5°	210.3	181.2	147.0	114.5	90.7	82.0	75.3	70.1	73.6	70.1	68.4
70°	153.9	129.9	106.0	87.2	70.1	61.5	56.5	54.7	51.3	51.3	51.3
72.5°	102.6	87.2	71.8	56.5	46.1	37.6	35.9	32.5	29.0	30.7	34.2
75°	68.4	58.2	51.3	41.1	30.7	30.7	20.6	20.6	17.1	20.6	15.4
77.5°	47.8	39.4	30.7	25.6	20.6	18.8	13.6	13.6	11.9	11.9	11.9
80°	34.2	29.0	22.3	18.8	13.6	13.6	11.9	10.2	8.5	8.5	10.2
82.5°	20.6	15.4	15.4	13.6	8.5	6.9	5.2	6.9	3.5	3.5	3.5
85°	11.9	10.2	8.5	5.2	3.5	3.5	1.7	0.0	1.7	1.7	0.0
87.5°	6.9	3.5	3.5	1.7	0.0	1.7	1.7	0.0	0.0	0.0	3.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CATALOG NUMBER: LD8B70D010 ER8B70927 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	3501.7	3501.7	3501.7	3501.7	3501.7	3501.7	3501.7	3501.7	3501.7	3501.7	3501.7
2.5°	3522.3	3520.5	3524.0	3524.0	3534.2	3532.4	3537.6	3537.6	3534.2	3535.9	3542.7
5°	3534.2	3539.4	3549.5	3558.2	3573.4	3580.3	3588.9	3597.4	3599.1	3604.3	3609.4
7.5°	3534.2	3551.3	3563.2	3578.6	3599.1	3611.1	3629.9	3645.3	3652.2	3660.6	3671.0
10°	3527.3	3544.4	3566.6	3583.7	3609.4	3628.2	3647.0	3671.0	3681.2	3694.8	3708.6
12.5°	3513.6	3532.4	3556.4	3578.6	3607.6	3624.8	3648.7	3671.0	3686.4	3705.2	3720.6
15°	3493.1	3515.3	3537.6	3559.8	3590.6	3611.1	3633.3	3659.0	3674.4	3694.8	3708.6
17.5°	3460.6	3484.6	3505.2	3525.6	3554.7	3578.6	3599.1	3623.1	3638.5	3655.6	3674.4
20°	3421.4	3443.5	3465.8	3482.9	3511.9	3532.4	3554.7	3576.9	3588.9	3592.4	3621.4
22.5°	3371.7	3387.2	3404.2	3431.6	3448.7	3467.5	3488.1	3508.5	3520.5	3539.4	3549.5
25°	3289.6	3305.0	3323.8	3335.8	3356.3	3371.7	3392.2	3414.5	3421.4	3435.1	3445.2
27.5°	3175.1	3183.6	3192.2	3202.4	3214.4	3223.0	3234.9	3245.2	3252.0	3258.9	3265.6
30°	2993.8	2993.8	2993.8	2987.0	2992.2	2997.3	2999.0	2997.3	2997.3	2995.6	2995.6
32.5°	2754.5	2740.8	2725.4	2711.8	2706.6	2699.8	2696.4	2691.2	2682.7	2677.6	2679.3
35°	2431.4	2400.5	2381.7	2364.6	2351.0	2340.8	2335.6	2330.4	2328.8	2322.0	2315.0
37.5°	2027.8	2005.6	1991.9	1981.7	1969.8	1959.4	1961.1	1962.9	1968.0	1964.6	1966.3
40°	1600.4	1595.2	1600.4	1588.4	1585.0	1588.4	1596.9	1609.0	1615.8	1622.6	1634.6
42.5°	1217.4	1225.9	1238.0	1238.0	1243.0	1249.9	1260.1	1279.0	1289.1	1301.2	1314.9
45°	916.4	926.8	942.2	947.2	950.6	959.2	971.2	986.5	993.4	1003.6	1015.6
47.5°	706.2	713.0	721.5	730.1	738.6	742.1	754.0	754.0	762.6	769.4	772.8
50°	550.6	557.4	564.2	569.4	572.8	577.9	581.3	586.5	588.2	591.6	593.3
52.5°	430.9	439.4	439.4	442.8	448.0	453.0	451.4	453.0	454.7	454.7	459.9
55°	336.8	336.8	342.0	342.0	345.4	343.7	345.4	345.4	345.4	345.4	347.1
57.5°	251.3	253.1	258.2	254.8	253.1	256.5	253.1	256.5	254.8	258.2	253.1
60°	193.2	193.2	195.0	195.0	196.6	196.6	196.6	195.0	195.0	193.2	193.2
62.5°	145.4	147.0	148.7	147.0	147.0	147.0	145.4	145.4	143.7	141.9	141.9
65°	97.4	95.7	99.1	95.7	97.4	97.4	95.7	97.4	92.4	94.0	92.4
67.5°	70.1	68.4	66.7	68.4	66.7	64.9	64.9	66.7	68.4	63.2	63.2
70°	46.1	47.8	46.1	47.8	49.6	49.6	47.8	46.1	47.8	44.4	46.1
72.5°	29.0	29.0	29.0	29.0	29.0	30.7	30.7	30.7	27.3	27.3	25.6
75°	13.6	18.8	15.4	13.6	18.8	18.8	17.1	17.1	15.4	15.4	15.4
77.5°	13.6	10.2	10.2	10.2	10.2	10.2	10.2	10.2	8.5	10.2	8.5
80°	6.9	6.9	6.9	5.2	6.9	6.9	8.5	6.9	6.9	5.2	8.5
82.5°	3.5	3.5	3.5	0.0	1.7	3.5	3.5	1.7	3.5	3.5	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: P248633

CATALOG NUMBER: LD8B70D010 ER8B70927 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3501.7	3501.7	3501.7	3501.7	3501.7	3501.7	3501.7	3501.7	3501.7	3501.7	3501.7
2.5°	3541.0	3539.4	3541.0	3542.7	3541.0	3539.4	3541.0	3542.7	3535.9	3534.2	3537.6
5°	3616.2	3616.2	3619.6	3621.4	3619.6	3616.2	3616.2	3609.4	3604.3	3599.1	3597.4
7.5°	3681.2	3684.7	3688.1	3689.8	3688.1	3684.7	3681.2	3671.0	3660.6	3652.2	3645.3
10°	3720.6	3725.7	3732.5	3735.9	3732.5	3725.7	3720.6	3708.6	3694.8	3681.2	3671.0
12.5°	3737.7	3742.8	3751.3	3749.6	3751.3	3742.8	3737.7	3720.6	3705.2	3686.4	3671.0
15°	3725.7	3732.5	3741.1	3744.4	3741.1	3732.5	3725.7	3708.6	3694.8	3674.4	3659.0
17.5°	3688.1	3698.3	3703.5	3708.6	3703.5	3698.3	3688.1	3674.4	3655.6	3638.5	3623.1
20°	3636.8	3643.6	3650.4	3652.2	3650.4	3643.6	3636.8	3621.4	3592.4	3588.9	3576.9
22.5°	3563.2	3568.4	3583.7	3578.6	3583.7	3568.4	3563.2	3549.5	3539.4	3520.5	3508.5
25°	3457.2	3462.3	3464.1	3465.8	3464.1	3462.3	3457.2	3445.2	3435.1	3421.4	3414.5
27.5°	3274.3	3274.3	3277.7	3279.4	3277.7	3274.3	3274.3	3265.6	3258.9	3252.0	3245.2
30°	2997.3	2997.3	2997.3	3005.9	2997.3	2997.3	2997.3	2995.6	2995.6	2997.3	2997.3
32.5°	2677.6	2674.1	2670.8	2674.1	2670.8	2674.1	2677.6	2679.3	2677.6	2682.7	2691.2
35°	2315.0	2313.3	2318.5	2311.6	2318.5	2313.3	2315.0	2315.0	2322.0	2328.8	2330.4
37.5°	1968.0	1964.6	1971.4	1964.6	1971.4	1964.6	1968.0	1966.3	1964.6	1968.0	1962.9
40°	1638.0	1641.4	1641.4	1655.1	1641.4	1641.4	1638.0	1634.6	1622.6	1615.8	1609.0
42.5°	1321.6	1332.0	1328.5	1338.8	1328.5	1332.0	1321.6	1314.9	1301.2	1289.1	1279.0
45°	1022.4	1029.4	1029.4	1032.8	1029.4	1029.4	1022.4	1015.6	1003.6	993.4	986.5
47.5°	784.8	784.8	784.8	786.5	784.8	784.8	784.8	772.8	769.4	762.6	754.0
50°	596.7	598.4	600.2	601.9	600.2	598.4	596.7	593.3	591.6	588.2	586.5
52.5°	458.2	459.9	456.5	459.9	456.5	459.9	458.2	459.9	454.7	454.7	453.0
55°	347.1	345.4	347.1	348.8	347.1	345.4	347.1	347.1	345.4	345.4	345.4
57.5°	254.8	251.3	251.3	251.3	251.3	251.3	254.8	253.1	258.2	254.8	256.5
60°	189.8	191.5	191.5	193.2	191.5	191.5	189.8	193.2	193.2	195.0	195.0
62.5°	140.2	145.4	141.9	145.4	141.9	145.4	140.2	141.9	141.9	143.7	145.4
65°	90.7	90.7	90.7	92.4	90.7	90.7	90.7	92.4	94.0	92.4	97.4
67.5°	61.5	63.2	66.7	64.9	66.7	63.2	61.5	63.2	63.2	68.4	66.7
70°	49.6	44.4	44.4	49.6	44.4	44.4	49.6	46.1	44.4	47.8	46.1
72.5°	29.0	25.6	29.0	29.0	29.0	25.6	29.0	25.6	27.3	27.3	30.7
75°	15.4	13.6	11.9	17.1	11.9	13.6	15.4	15.4	15.4	15.4	17.1
77.5°	10.2	8.5	11.9	11.9	11.9	8.5	10.2	8.5	10.2	8.5	10.2
80°	5.2	6.9	5.2	8.5	5.2	6.9	5.2	8.5	5.2	6.9	6.9
82.5°	1.7	3.5	3.5	3.5	3.5	3.5	1.7	1.7	3.5	3.5	1.7
85°	0.0	3.5	1.7	1.7	1.7	3.5	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: P248633

CATALOG NUMBER: LD8B70D010 ER8B70927 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3501.7	3501.7	3501.7	3501.7	3501.7	3501.7	3501.7	3501.7	3501.7	3501.7	3501.7
2.5°	3537.6	3532.4	3534.2	3524.0	3524.0	3520.5	3522.3	3513.6	3510.2	3506.8	3511.9
5°	3588.9	3580.3	3573.4	3558.2	3549.5	3539.4	3534.2	3520.5	3508.5	3498.2	3496.5
7.5°	3629.9	3611.1	3599.1	3578.6	3563.2	3551.3	3534.2	3515.3	3500.0	3486.3	3476.0
10°	3647.0	3628.2	3609.4	3583.7	3566.6	3544.4	3527.3	3503.4	3482.9	3464.1	3452.1
12.5°	3648.7	3624.8	3607.6	3578.6	3556.4	3532.4	3513.6	3486.3	3462.3	3443.5	3424.7
15°	3633.3	3611.1	3590.6	3559.8	3537.6	3515.3	3493.1	3464.1	3441.8	3419.7	3405.9
17.5°	3599.1	3578.6	3554.7	3525.6	3505.2	3484.6	3460.6	3436.8	3411.0	3387.2	3370.0
20°	3554.7	3532.4	3511.9	3482.9	3465.8	3443.5	3421.4	3395.7	3375.1	3351.3	3332.5
22.5°	3488.1	3467.5	3448.7	3431.6	3404.2	3387.2	3371.7	3342.7	3322.1	3300.0	3279.4
25°	3392.2	3371.7	3356.3	3335.8	3323.8	3305.0	3289.6	3264.0	3245.2	3224.7	3207.6
27.5°	3234.9	3223.0	3214.4	3202.4	3192.2	3183.6	3175.1	3154.6	3140.9	3122.1	3105.0
30°	2999.0	2997.3	2992.2	2987.0	2993.8	2993.8	2993.8	2990.5	2978.5	2964.8	2952.8
32.5°	2696.4	2699.8	2706.6	2711.8	2725.4	2740.8	2754.5	2761.3	2761.3	2752.8	2747.7
35°	2335.6	2340.8	2351.0	2364.6	2381.7	2400.5	2431.4	2438.2	2443.3	2443.3	2436.4
37.5°	1961.1	1959.4	1969.8	1981.7	1991.9	2005.6	2027.8	2033.0	2041.5	2038.2	2031.2
40°	1596.9	1588.4	1585.0	1588.4	1600.4	1595.2	1600.4	1596.9	1596.9	1585.0	1585.0
42.5°	1260.1	1249.9	1243.0	1238.0	1238.0	1225.9	1217.4	1208.8	1203.8	1195.1	1193.4
45°	971.2	959.2	950.6	947.2	942.2	926.8	916.4	906.2	894.3	890.9	892.6
47.5°	754.0	742.1	738.6	730.1	721.5	713.0	706.2	694.2	692.4	685.6	692.4
50°	581.3	577.9	572.8	569.4	564.2	557.4	550.6	543.7	540.3	540.3	542.0
52.5°	451.4	453.0	448.0	442.8	439.4	439.4	430.9	429.2	429.2	422.3	429.2
55°	345.4	343.7	345.4	342.0	342.0	336.8	336.8	331.7	331.7	326.6	330.0
57.5°	253.1	256.5	253.1	254.8	258.2	253.1	251.3	246.2	249.6	246.2	248.0
60°	196.6	196.6	196.6	195.0	195.0	193.2	193.2	191.5	191.5	188.1	191.5
62.5°	145.4	147.0	147.0	147.0	148.7	147.0	145.4	147.0	145.4	145.4	147.0
65°	95.7	97.4	97.4	95.7	99.1	95.7	97.4	99.1	100.8	99.1	100.8
67.5°	64.9	64.9	66.7	68.4	66.7	68.4	70.1	68.4	70.1	73.6	70.1
70°	47.8	49.6	49.6	47.8	46.1	47.8	46.1	51.3	51.3	51.3	54.7
72.5°	30.7	30.7	29.0	29.0	29.0	29.0	29.0	34.2	30.7	29.0	32.5
75°	17.1	18.8	18.8	13.6	15.4	18.8	13.6	15.4	20.6	17.1	20.6
77.5°	10.2	10.2	10.2	10.2	10.2	10.2	13.6	11.9	11.9	11.9	13.6
80°	8.5	6.9	6.9	5.2	6.9	6.9	6.9	10.2	8.5	8.5	10.2
82.5°	3.5	3.5	1.7	0.0	3.5	3.5	3.5	3.5	3.5	3.5	6.9
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	3.5	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: P248633

CATALOG NUMBER: LD8B70D010 ER8B70927 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3501.7	3501.7	3501.7	3501.7	3501.7	3501.7	3501.7	3501.7	3501.7	3501.7	3501.7
2.5°	3498.2	3498.2	3496.5	3493.1	3486.3	3486.3	3484.6	3479.4	3476.0	3474.3	3474.3
5°	3481.1	3474.3	3467.5	3448.7	3448.7	3445.2	3435.1	3428.1	3424.7	3416.2	3412.8
7.5°	3465.8	3445.2	3433.3	3421.4	3405.9	3399.1	3387.2	3382.0	3370.0	3361.5	3356.3
10°	3428.1	3414.5	3399.1	3380.3	3368.4	3354.6	3340.9	3330.8	3315.4	3306.7	3300.0
12.5°	3402.6	3382.0	3368.4	3347.8	3327.3	3315.4	3296.5	3284.6	3269.1	3252.0	3241.8
15°	3378.6	3356.3	3337.5	3315.4	3293.1	3279.4	3257.2	3243.5	3221.3	3204.2	3192.2
17.5°	3342.7	3323.8	3303.3	3276.0	3255.5	3238.4	3214.4	3197.4	3176.8	3154.6	3142.6
20°	3305.0	3282.8	3262.3	3234.9	3214.4	3193.9	3170.0	3151.2	3127.2	3106.7	3093.1
22.5°	3255.5	3229.8	3212.7	3185.3	3161.4	3139.2	3117.0	3094.8	3072.5	3055.4	3040.0
25°	3183.6	3156.3	3137.5	3115.2	3093.1	3076.0	3048.6	3034.9	3012.8	2997.3	2981.9
27.5°	3081.0	3060.6	3043.5	3021.2	3002.4	2988.8	2968.2	2954.6	2935.7	2922.1	2910.0
30°	2930.6	2913.5	2898.1	2875.8	2862.2	2850.3	2831.4	2819.5	2805.8	2790.3	2787.0
32.5°	2728.9	2715.2	2699.8	2684.4	2674.1	2667.3	2651.8	2645.1	2631.4	2622.8	2614.3
35°	2424.5	2412.6	2404.0	2397.2	2393.8	2395.5	2392.1	2398.8	2402.2	2400.5	2402.2
37.5°	2026.1	2019.3	2022.8	2027.8	2044.9	2067.2	2087.7	2118.4	2139.0	2159.5	2178.3
40°	1581.6	1586.7	1600.4	1631.1	1675.6	1725.2	1771.4	1829.5	1887.6	1928.7	1966.3
42.5°	1193.4	1208.8	1243.0	1287.4	1354.2	1427.6	1499.5	1585.0	1655.1	1723.5	1771.4
45°	897.6	918.1	962.7	1024.2	1097.7	1183.2	1273.8	1369.6	1453.4	1523.5	1576.5
47.5°	699.3	718.1	762.6	827.6	918.1	1007.1	1101.1	1200.3	1287.4	1355.9	1402.1
50°	552.3	576.2	615.5	683.9	774.6	868.6	966.0	1063.5	1145.6	1203.8	1244.8
52.5°	434.2	456.5	494.1	566.0	658.4	752.3	842.8	938.7	1010.5	1067.0	1094.3
55°	336.8	357.4	396.7	456.5	543.7	636.1	726.6	808.8	875.5	916.4	942.2
57.5°	256.5	271.9	299.2	359.1	437.7	523.2	600.2	682.2	733.5	762.6	779.6
60°	195.0	206.9	236.0	282.2	353.9	427.5	492.4	554.1	595.0	619.0	636.1
62.5°	147.0	160.8	181.2	220.6	275.3	335.1	389.8	435.9	470.1	485.6	497.6
65°	100.8	111.2	126.6	157.3	203.5	246.2	289.0	323.2	345.4	362.5	369.3
67.5°	75.3	82.0	90.7	114.5	147.0	181.2	210.3	234.2	258.2	265.0	277.0
70°	56.5	61.5	70.1	87.2	106.0	129.9	153.9	167.5	184.7	196.6	200.1
72.5°	35.9	37.6	46.1	56.5	71.8	87.2	102.6	114.5	124.9	131.6	135.0
75°	20.6	30.7	30.7	41.1	51.3	58.2	68.4	77.0	82.0	87.2	87.2
77.5°	13.6	18.8	20.6	25.6	30.7	39.4	47.8	53.0	58.2	59.8	59.8
80°	11.9	13.6	13.6	18.8	22.3	29.0	34.2	35.9	39.4	41.1	44.4
82.5°	5.2	6.9	8.5	13.6	15.4	15.4	20.6	22.3	25.6	27.3	27.3
85°	1.7	3.5	3.5	5.2	8.5	10.2	11.9	13.6	15.4	15.4	17.1
87.5°	1.7	1.7	0.0	1.7	3.5	3.5	6.9	6.9	6.9	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: P248633

CATALOG NUMBER: LD8B70D010 ER8B70927 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	3501.7	3501.7	3501.7	3501.7	3501.7	3501.7	3501.7
2.5°	3471.0	3472.6	3465.8	3464.1	3460.6	3462.3	3465.8
5°	3407.6	3409.3	3402.6	3395.7	3395.7	3393.9	3395.7
7.5°	3347.8	3349.6	3339.2	3335.8	3329.0	3330.8	3330.8
10°	3287.9	3287.9	3272.6	3270.8	3265.6	3264.0	3264.0
12.5°	3229.8	3224.7	3212.7	3205.9	3209.3	3199.0	3199.0
15°	3178.5	3170.0	3154.6	3149.4	3140.9	3137.5	3137.5
17.5°	3125.5	3118.7	3105.0	3094.8	3084.5	3082.8	3084.5
20°	3074.2	3067.4	3050.3	3043.5	3034.9	3034.9	3031.5
22.5°	3022.9	3016.1	3000.7	2995.6	2983.6	2983.6	2985.3
25°	2969.9	2964.8	2947.7	2944.2	2942.5	2935.7	2939.2
27.5°	2898.1	2894.6	2881.0	2875.8	2869.1	2867.4	2870.8
30°	2766.5	2761.3	2751.1	2746.0	2734.0	2735.7	2739.0
32.5°	2602.4	2595.5	2581.8	2576.6	2566.5	2563.0	2564.7
35°	2397.2	2392.1	2380.0	2380.0	2369.8	2366.3	2369.8
37.5°	2188.6	2193.6	2188.6	2193.6	2188.6	2186.8	2188.6
40°	1991.9	2010.7	2014.1	2033.0	2026.1	2036.4	2034.7
42.5°	1803.8	1834.5	1846.6	1862.0	1858.6	1865.4	1870.5
45°	1614.0	1639.7	1651.7	1662.0	1663.6	1667.1	1668.8
47.5°	1434.5	1455.1	1456.8	1468.7	1467.0	1467.0	1472.2
50°	1267.0	1280.7	1284.1	1292.6	1285.8	1282.4	1284.1
52.5°	1111.4	1125.0	1121.6	1125.0	1116.6	1113.1	1114.8
55°	952.3	959.2	959.2	959.2	948.9	948.9	948.9
57.5°	789.9	791.7	788.2	789.9	788.2	777.9	776.2
60°	641.2	641.2	639.4	641.2	636.1	630.9	630.9
62.5°	501.0	504.3	511.2	504.3	501.0	504.3	499.3
65°	374.5	381.3	379.6	383.0	381.3	381.3	377.9
67.5°	282.2	283.8	285.5	287.3	287.3	287.3	287.3
70°	206.9	212.1	210.3	210.3	210.3	210.3	220.6
72.5°	138.5	145.4	143.7	147.0	147.0	150.4	147.0
75°	94.0	100.8	97.4	102.6	100.8	97.4	106.0
77.5°	63.2	66.7	68.4	70.1	68.4	66.7	68.4
80°	44.4	47.8	46.1	47.8	47.8	47.8	49.6
82.5°	27.3	32.5	30.7	32.5	30.7	32.5	32.5
85°	18.8	20.6	17.1	20.6	18.8	18.8	22.3
87.5°	11.9	10.2	10.2	11.9	10.2	11.9	10.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)