

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: P248750

Luminaire Tested: **LD8B70D010 ER8B709730 8LBSW0WMH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P248750  
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 ER8B709730 8LBSW0WMH  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
97 CRI 3000 CCT WITH WARM HAZE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5498.0 lumens  
Efficiency: N/A  
Efficacy: 72.4 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

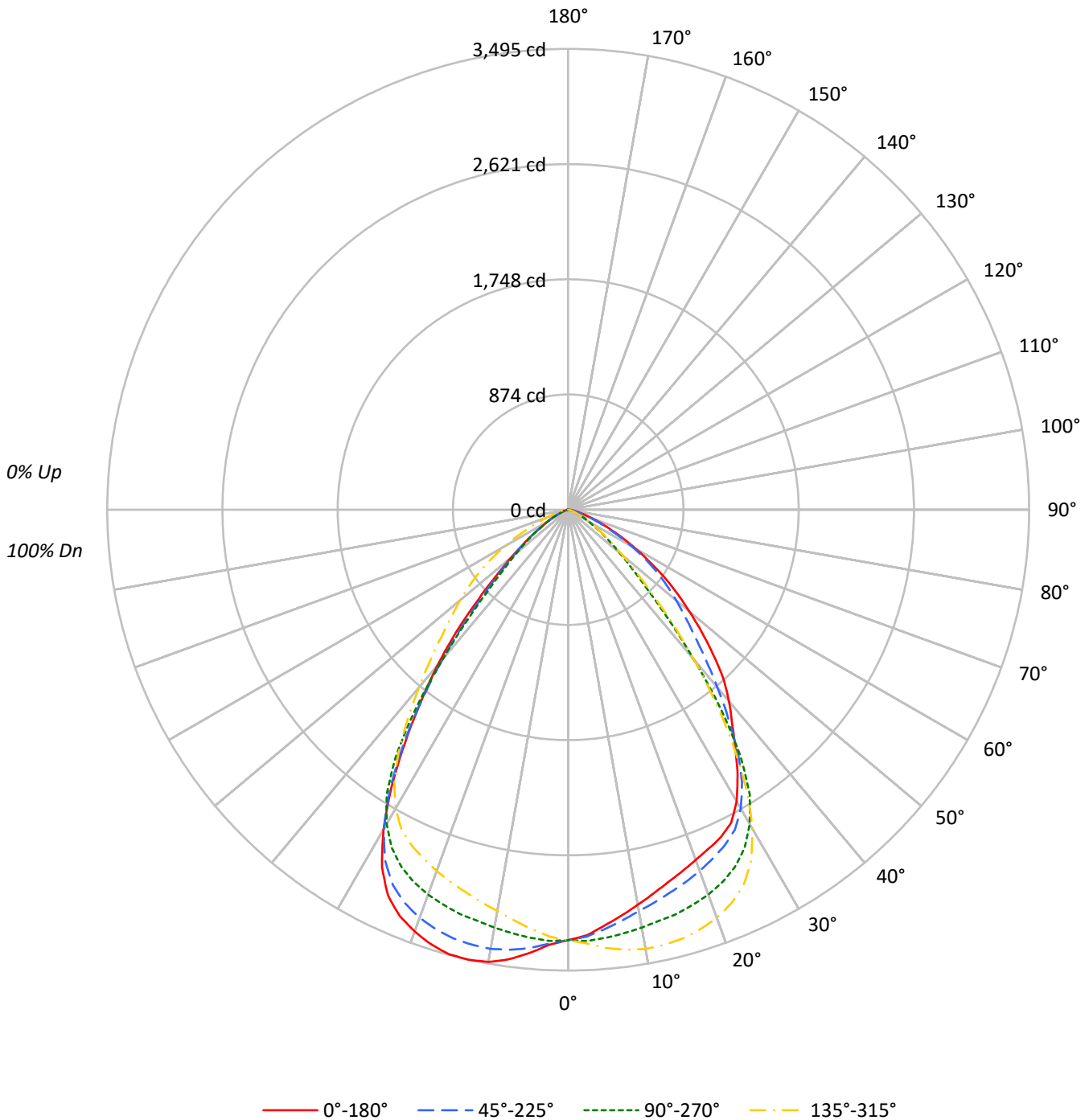
Input Watts (W): 75.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P248750

CATALOG NUMBER: LD8B70D010 ER8B709730 8LBSW0WMH

### Luminous Intensity Polar Plot





TEST NUMBER: P248750

CATALOG NUMBER: LD8B70D010 ER8B709730 8LBSW0WMH

**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°				



TEST NUMBER: P248750

CATALOG NUMBER: LD8B70D010 ER8B709730 8LBSW0WMH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	310.7	5.7
10°-20°	899.6	16.4
20°-30°	1362.2	24.8
30°-40°	1365.3	24.8
40°-50°	857.3	15.6
50°-60°	456.9	8.3
60°-70°	187.9	3.4
70°-80°	49.6	0.9
80°-90°	8.4	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°	2572.6	46.8
0°-40°	3937.9	71.6
0°-60°	5252.1	95.5
0°-90°	5498.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5498.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3264	3264	3264	3264	3264	
5°	3165	3259	3376	3259	3165	298
15°	2924	3175	3490	3175	2924	827
25°	2740	2990	3230	2990	2740	1257
35°	2209	2271	2155	2271	2209	1384
45°	1556	832	963	832	1556	1196
55°	884	308	325	308	884	789
65°	352	94	86	94	352	365
75°	99	19	16	19	99	112
85°	21	0	2	0	21	23
90°	0	0	0	0	0	



TEST NUMBER: P248750

CATALOG NUMBER: LD8B70D010 ER8B709730 8LBSW0WMH

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	3264.0	3264.0	3264.0	3264.0	3264.0	3264.0	3264.0	3264.0	3264.0	3264.0	3264.0
2.5°	3230.5	3227.3	3225.7	3229.0	3230.5	3236.9	3235.3	3238.5	3238.5	3240.1	3243.3
5°	3165.2	3163.6	3165.2	3165.2	3171.6	3177.9	3176.3	3181.1	3184.3	3192.3	3195.4
7.5°	3104.6	3104.6	3103.0	3109.4	3112.6	3122.2	3120.5	3128.5	3133.3	3141.3	3152.4
10°	3042.5	3042.5	3044.0	3048.8	3050.5	3064.8	3064.8	3075.9	3082.3	3090.3	3104.6
12.5°	2981.9	2981.9	2991.5	2988.3	2994.6	3005.8	3010.6	3021.7	3031.3	3047.2	3061.6
15°	2924.5	2924.5	2927.7	2935.7	2940.4	2954.8	2962.8	2975.5	2986.7	3002.6	3023.4
17.5°	2875.1	2873.5	2875.1	2884.7	2894.3	2907.0	2913.4	2929.3	2940.4	2961.2	2980.3
20°	2825.7	2828.9	2828.9	2836.9	2843.2	2859.2	2865.5	2883.1	2895.8	2914.9	2937.3
22.5°	2782.7	2781.1	2781.1	2792.3	2797.0	2811.3	2817.7	2833.7	2848.0	2864.0	2884.7
25°	2739.6	2736.4	2742.9	2744.4	2747.6	2763.5	2768.3	2779.5	2793.8	2808.2	2828.9
27.5°	2675.9	2672.7	2674.3	2680.7	2685.5	2698.2	2701.4	2712.6	2723.7	2736.4	2754.0
30°	2553.1	2550.0	2548.4	2559.6	2564.4	2573.9	2578.7	2597.8	2601.0	2615.3	2628.1
32.5°	2390.6	2389.0	2392.2	2401.7	2406.5	2419.3	2425.7	2436.8	2444.8	2452.8	2465.5
35°	2208.9	2205.7	2208.9	2218.5	2218.5	2229.7	2234.5	2239.2	2237.6	2239.2	2236.0
37.5°	2040.0	2038.4	2040.0	2044.7	2040.0	2044.7	2040.0	2030.4	2012.9	1993.8	1974.6
40°	1896.6	1898.1	1888.6	1895.0	1877.4	1874.3	1856.7	1832.8	1797.8	1759.5	1705.3
42.5°	1743.6	1738.8	1732.4	1735.6	1721.3	1710.1	1681.4	1651.1	1606.5	1542.8	1477.4
45°	1555.5	1553.9	1550.7	1549.1	1539.6	1528.4	1504.5	1469.4	1420.0	1354.7	1276.6
47.5°	1372.2	1367.4	1367.4	1369.0	1357.9	1356.3	1337.1	1306.9	1263.8	1200.1	1118.8
50°	1196.9	1195.3	1198.5	1204.9	1196.9	1193.7	1181.0	1160.3	1122.0	1067.8	991.3
52.5°	1039.1	1037.5	1040.7	1048.7	1045.5	1048.7	1036.0	1020.0	994.5	941.9	875.0
55°	884.5	884.5	884.5	894.1	894.1	894.1	887.7	878.2	854.2	816.0	753.9
57.5°	723.6	725.1	734.7	736.3	734.7	737.9	736.3	726.7	710.8	683.7	635.9
60°	588.1	588.1	592.9	597.7	596.0	597.7	597.7	592.9	577.0	554.6	516.4
62.5°	465.4	470.2	466.9	470.2	476.5	470.2	466.9	463.8	452.6	438.3	406.4
65°	352.2	355.4	355.4	357.0	353.8	355.4	349.1	344.3	337.9	322.0	301.2
67.5°	267.8	267.8	267.8	267.8	266.1	264.6	263.0	258.2	247.0	240.7	218.3
70°	205.6	196.0	196.0	196.0	196.0	197.7	192.9	186.5	183.3	172.1	156.2
72.5°	137.0	140.3	137.0	137.0	133.9	135.5	129.1	125.9	122.7	116.4	106.8
75°	98.8	90.9	94.0	95.6	90.9	94.0	87.6	81.3	81.3	76.5	71.7
77.5°	63.8	62.2	63.8	65.3	63.8	62.2	59.0	55.8	55.8	54.2	49.4
80°	46.2	44.6	44.6	44.6	43.0	44.6	41.5	41.5	38.2	36.7	33.5
82.5°	30.3	30.3	28.7	30.3	28.7	30.3	25.5	25.5	25.5	23.9	20.7
85°	20.7	17.5	17.5	19.2	15.9	19.2	17.5	15.9	14.4	14.4	12.7
87.5°	9.6	11.2	9.6	11.2	9.6	9.6	11.2	9.6	9.6	6.4	6.4
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: P248750

CATALOG NUMBER: LD8B70D010 ER8B709730 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	3264.0	3264.0	3264.0	3264.0	3264.0	3264.0	3264.0	3264.0	3264.0	3264.0	3264.0
2.5°	3248.0	3249.6	3249.6	3256.1	3259.2	3260.8	3260.8	3273.6	3268.8	3272.0	3275.1
5°	3201.9	3211.4	3214.6	3214.6	3232.1	3238.5	3244.8	3259.2	3260.8	3270.4	3281.5
7.5°	3157.2	3168.3	3174.8	3189.1	3200.2	3211.4	3230.5	3240.1	3249.6	3262.4	3276.7
10°	3114.2	3127.0	3139.7	3150.8	3168.3	3182.7	3195.4	3217.7	3229.0	3246.5	3265.6
12.5°	3072.8	3090.3	3101.4	3120.5	3139.7	3152.4	3171.6	3192.3	3209.8	3227.3	3249.6
15°	3036.1	3056.8	3069.6	3090.3	3111.0	3128.5	3149.3	3174.8	3187.5	3208.2	3229.0
17.5°	2996.2	3018.6	3034.5	3053.6	3079.1	3098.2	3115.8	3141.3	3157.2	3179.5	3203.4
20°	2954.8	2977.1	2996.2	3015.4	3040.9	3060.0	3080.7	3106.2	3123.7	3146.0	3165.2
22.5°	2905.4	2926.1	2946.8	2969.1	2994.6	3010.6	3034.5	3056.8	3075.9	3096.6	3115.8
25°	2841.7	2867.2	2883.1	2903.8	2924.5	2942.0	2967.5	2989.8	3005.8	3024.9	3042.5
27.5°	2766.7	2785.9	2798.6	2816.1	2836.9	2852.8	2871.9	2894.3	2910.2	2927.7	2940.4
30°	2639.2	2656.8	2667.9	2680.7	2701.4	2715.8	2731.7	2752.4	2763.5	2776.3	2787.5
32.5°	2471.9	2486.2	2492.6	2502.2	2516.5	2530.8	2543.6	2561.2	2565.9	2573.9	2573.9
35°	2229.7	2232.8	2231.2	2234.5	2240.8	2248.8	2259.9	2271.1	2277.4	2277.4	2272.7
37.5°	1946.0	1926.9	1906.1	1890.2	1885.4	1882.2	1888.6	1893.3	1899.8	1902.9	1895.0
40°	1651.1	1608.1	1561.9	1520.4	1491.7	1479.0	1474.2	1477.4	1477.4	1488.5	1488.5
42.5°	1397.7	1330.8	1262.3	1200.1	1158.6	1126.8	1112.4	1112.4	1114.0	1122.0	1126.8
45°	1187.4	1102.9	1023.2	954.7	897.3	855.8	836.7	831.9	830.4	833.5	844.7
47.5°	1026.4	938.7	855.8	771.4	710.8	669.4	651.9	645.4	639.1	645.4	647.1
50°	900.5	809.6	722.0	637.5	573.7	537.1	514.8	505.2	503.6	503.6	506.8
52.5°	785.7	701.3	613.6	527.6	460.6	425.5	404.8	400.0	393.7	400.0	400.0
55°	677.3	592.9	506.8	425.5	369.7	333.1	314.0	307.6	304.4	309.2	309.2
57.5°	559.4	487.7	408.0	334.7	278.9	253.4	239.0	231.1	229.5	232.7	229.5
60°	459.0	398.5	329.9	263.0	220.0	192.9	181.7	178.5	175.3	178.5	178.5
62.5°	363.4	312.4	256.6	205.6	168.9	149.8	137.0	137.0	135.5	135.5	137.0
65°	269.4	229.5	189.6	146.6	117.9	103.6	94.0	94.0	92.4	94.0	92.4
67.5°	196.0	168.9	137.0	106.8	84.5	76.5	70.1	65.3	68.6	65.3	63.8
70°	143.5	121.1	98.8	81.3	65.3	57.4	52.6	51.0	47.8	47.8	47.8
72.5°	95.6	81.3	66.9	52.6	43.0	35.0	33.5	30.3	27.1	28.7	31.9
75°	63.8	54.2	47.8	38.2	28.7	28.7	19.2	19.2	15.9	19.2	14.4
77.5°	44.6	36.7	28.7	23.9	19.2	17.5	12.7	12.7	11.2	11.2	11.2
80°	31.9	27.1	20.7	17.5	12.7	12.7	11.2	9.6	7.9	7.9	9.6
82.5°	19.2	14.4	14.4	12.7	7.9	6.4	4.8	6.4	3.2	3.2	3.2
85°	11.2	9.6	7.9	4.8	3.2	3.2	1.6	0.0	1.6	1.6	0.0
87.5°	6.4	3.2	3.2	1.6	0.0	1.6	1.6	0.0	0.0	0.0	3.2
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: P248750

CATALOG NUMBER: LD8B70D010 ER8B709730 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	3264.0	3264.0	3264.0	3264.0	3264.0	3264.0	3264.0	3264.0	3264.0	3264.0	3264.0
2.5°	3283.1	3281.5	3284.7	3284.7	3294.3	3292.7	3297.4	3297.4	3294.3	3295.9	3302.2
5°	3294.3	3299.1	3308.6	3316.6	3330.9	3337.3	3345.3	3353.3	3354.8	3359.6	3364.4
7.5°	3294.3	3310.2	3321.4	3335.7	3354.8	3366.0	3383.5	3397.9	3404.2	3412.2	3421.8
10°	3287.9	3303.8	3324.5	3340.5	3364.4	3381.9	3399.5	3421.8	3431.3	3444.1	3456.9
12.5°	3275.1	3292.7	3315.0	3335.7	3362.8	3378.7	3401.0	3421.8	3436.1	3453.6	3468.0
15°	3256.1	3276.7	3297.4	3318.2	3346.8	3366.0	3386.7	3410.6	3425.0	3444.1	3456.9
17.5°	3225.7	3248.0	3267.2	3286.3	3313.4	3335.7	3354.8	3377.1	3391.5	3407.5	3425.0
20°	3189.1	3209.8	3230.5	3246.5	3273.6	3292.7	3313.4	3334.1	3345.3	3348.5	3375.6
22.5°	3142.9	3157.2	3173.1	3198.7	3214.6	3232.1	3251.3	3270.4	3281.5	3299.1	3308.6
25°	3066.3	3080.7	3098.2	3109.4	3128.5	3142.9	3162.0	3182.7	3189.1	3201.9	3211.4
27.5°	2959.6	2967.5	2975.5	2985.1	2996.2	3004.2	3015.4	3024.9	3031.3	3037.7	3044.0
30°	2790.6	2790.6	2790.6	2784.3	2789.0	2793.8	2795.4	2793.8	2793.8	2792.3	2792.3
32.5°	2567.5	2554.8	2540.4	2527.7	2522.9	2516.5	2513.3	2508.5	2500.6	2495.8	2497.4
35°	2266.3	2237.6	2220.1	2204.2	2191.4	2181.9	2177.1	2172.3	2170.7	2164.3	2157.9
37.5°	1890.2	1869.5	1856.7	1847.2	1836.0	1826.4	1828.0	1829.6	1834.4	1831.2	1832.8
40°	1491.7	1487.0	1491.7	1480.6	1477.4	1480.6	1488.5	1499.7	1506.1	1512.5	1523.6
42.5°	1134.7	1142.7	1153.9	1153.9	1158.6	1165.1	1174.6	1192.1	1201.7	1212.8	1225.6
45°	854.2	863.8	878.2	882.9	886.1	894.1	905.3	919.6	925.9	935.5	946.7
47.5°	658.2	664.6	672.5	680.5	688.5	691.7	702.8	702.8	710.8	717.2	720.4
50°	513.2	519.6	525.9	530.7	533.9	538.7	541.9	546.6	548.2	551.4	553.0
52.5°	401.6	409.6	409.6	412.8	417.5	422.3	420.8	422.3	423.9	423.9	428.7
55°	314.0	314.0	318.7	318.7	322.0	320.3	322.0	322.0	322.0	322.0	323.5
57.5°	234.3	235.9	240.7	237.5	235.9	239.0	235.9	239.0	237.5	240.7	235.9
60°	180.1	180.1	181.7	181.7	183.3	183.3	183.3	181.7	181.7	180.1	180.1
62.5°	135.5	137.0	138.7	137.0	137.0	137.0	135.5	135.5	133.9	132.2	132.2
65°	90.9	89.3	92.4	89.3	90.9	90.9	89.3	90.9	86.1	87.6	86.1
67.5°	65.3	63.8	62.2	63.8	62.2	60.5	60.5	62.2	63.8	59.0	59.0
70°	43.0	44.6	43.0	44.6	46.2	46.2	44.6	43.0	44.6	41.5	43.0
72.5°	27.1	27.1	27.1	27.1	27.1	28.7	28.7	28.7	25.5	25.5	23.9
75°	12.7	17.5	14.4	12.7	17.5	17.5	15.9	15.9	14.4	14.4	14.4
77.5°	12.7	9.6	9.6	9.6	9.6	9.6	9.6	9.6	7.9	9.6	7.9
80°	6.4	6.4	6.4	4.8	6.4	6.4	7.9	6.4	6.4	4.8	7.9
82.5°	3.2	3.2	3.2	0.0	1.6	3.2	3.2	1.6	3.2	3.2	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: P248750

CATALOG NUMBER: LD8B70D010 ER8B709730 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3264.0	3264.0	3264.0	3264.0	3264.0	3264.0	3264.0	3264.0	3264.0	3264.0	3264.0
2.5°	3300.7	3299.1	3300.7	3302.2	3300.7	3299.1	3300.7	3302.2	3295.9	3294.3	3297.4
5°	3370.8	3370.8	3373.9	3375.6	3373.9	3370.8	3370.8	3364.4	3359.6	3354.8	3353.3
7.5°	3431.3	3434.5	3437.7	3439.3	3437.7	3434.5	3431.3	3421.8	3412.2	3404.2	3397.9
10°	3468.0	3472.8	3479.2	3482.3	3479.2	3472.8	3468.0	3456.9	3444.1	3431.3	3421.8
12.5°	3483.9	3488.7	3496.7	3495.1	3496.7	3488.7	3483.9	3468.0	3453.6	3436.1	3421.8
15°	3472.8	3479.2	3487.1	3490.3	3487.1	3479.2	3472.8	3456.9	3444.1	3425.0	3410.6
17.5°	3437.7	3447.3	3452.1	3456.9	3452.1	3447.3	3437.7	3425.0	3407.5	3391.5	3377.1
20°	3389.9	3396.3	3402.7	3404.2	3402.7	3396.3	3389.9	3375.6	3348.5	3345.3	3334.1
22.5°	3321.4	3326.2	3340.5	3335.7	3340.5	3326.2	3321.4	3308.6	3299.1	3281.5	3270.4
25°	3222.5	3227.3	3229.0	3230.5	3229.0	3227.3	3222.5	3211.4	3201.9	3189.1	3182.7
27.5°	3052.0	3052.0	3055.2	3056.8	3055.2	3052.0	3052.0	3044.0	3037.7	3031.3	3024.9
30°	2793.8	2793.8	2793.8	2801.8	2793.8	2793.8	2793.8	2792.3	2792.3	2793.8	2793.8
32.5°	2495.8	2492.6	2489.5	2492.6	2489.5	2492.6	2495.8	2497.4	2495.8	2500.6	2508.5
35°	2157.9	2156.3	2161.1	2154.8	2161.1	2156.3	2157.9	2157.9	2164.3	2170.7	2172.3
37.5°	1834.4	1831.2	1837.6	1831.2	1837.6	1831.2	1834.4	1832.8	1831.2	1834.4	1829.6
40°	1526.8	1530.0	1530.0	1542.8	1530.0	1530.0	1526.8	1523.6	1512.5	1506.1	1499.7
42.5°	1232.0	1241.5	1238.3	1247.9	1238.3	1241.5	1232.0	1225.6	1212.8	1201.7	1192.1
45°	953.0	959.5	959.5	962.6	959.5	959.5	953.0	946.7	935.5	925.9	919.6
47.5°	731.5	731.5	731.5	733.1	731.5	731.5	731.5	720.4	717.2	710.8	702.8
50°	556.2	557.8	559.4	561.0	559.4	557.8	556.2	553.0	551.4	548.2	546.6
52.5°	427.1	428.7	425.5	428.7	425.5	428.7	427.1	428.7	423.9	423.9	422.3
55°	323.5	322.0	323.5	325.1	323.5	322.0	323.5	323.5	322.0	322.0	322.0
57.5°	237.5	234.3	234.3	234.3	234.3	234.3	237.5	235.9	240.7	237.5	239.0
60°	176.9	178.5	178.5	180.1	178.5	178.5	176.9	180.1	180.1	181.7	181.7
62.5°	130.7	135.5	132.2	135.5	132.2	135.5	130.7	132.2	132.2	133.9	135.5
65°	84.5	84.5	84.5	86.1	84.5	84.5	84.5	86.1	87.6	86.1	90.9
67.5°	57.4	59.0	62.2	60.5	62.2	59.0	57.4	59.0	59.0	63.8	62.2
70°	46.2	41.5	41.5	46.2	41.5	41.5	46.2	43.0	41.5	44.6	43.0
72.5°	27.1	23.9	27.1	27.1	27.1	23.9	27.1	23.9	25.5	25.5	28.7
75°	14.4	12.7	11.2	15.9	11.2	12.7	14.4	14.4	14.4	14.4	15.9
77.5°	9.6	7.9	11.2	11.2	11.2	7.9	9.6	7.9	9.6	7.9	9.6
80°	4.8	6.4	4.8	7.9	4.8	6.4	4.8	7.9	4.8	6.4	6.4
82.5°	1.6	3.2	3.2	3.2	3.2	3.2	1.6	1.6	3.2	3.2	1.6
85°	0.0	3.2	1.6	1.6	1.6	3.2	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: P248750

CATALOG NUMBER: LD8B70D010 ER8B709730 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3264.0	3264.0	3264.0	3264.0	3264.0	3264.0	3264.0	3264.0	3264.0	3264.0	3264.0
2.5°	3297.4	3292.7	3294.3	3284.7	3284.7	3281.5	3283.1	3275.1	3272.0	3268.8	3273.6
5°	3345.3	3337.3	3330.9	3316.6	3308.6	3299.1	3294.3	3281.5	3270.4	3260.8	3259.2
7.5°	3383.5	3366.0	3354.8	3335.7	3321.4	3310.2	3294.3	3276.7	3262.4	3249.6	3240.1
10°	3399.5	3381.9	3364.4	3340.5	3324.5	3303.8	3287.9	3265.6	3246.5	3229.0	3217.7
12.5°	3401.0	3378.7	3362.8	3335.7	3315.0	3292.7	3275.1	3249.6	3227.3	3209.8	3192.3
15°	3386.7	3366.0	3346.8	3318.2	3297.4	3276.7	3256.1	3229.0	3208.2	3187.5	3174.8
17.5°	3354.8	3335.7	3313.4	3286.3	3267.2	3248.0	3225.7	3203.4	3179.5	3157.2	3141.3
20°	3313.4	3292.7	3273.6	3246.5	3230.5	3209.8	3189.1	3165.2	3146.0	3123.7	3106.2
22.5°	3251.3	3232.1	3214.6	3198.7	3173.1	3157.2	3142.9	3115.8	3096.6	3075.9	3056.8
25°	3162.0	3142.9	3128.5	3109.4	3098.2	3080.7	3066.3	3042.5	3024.9	3005.8	2989.8
27.5°	3015.4	3004.2	2996.2	2985.1	2975.5	2967.5	2959.6	2940.4	2927.7	2910.2	2894.3
30°	2795.4	2793.8	2789.0	2784.3	2790.6	2790.6	2790.6	2787.5	2776.3	2763.5	2752.4
32.5°	2513.3	2516.5	2522.9	2527.7	2540.4	2554.8	2567.5	2573.9	2573.9	2565.9	2561.2
35°	2177.1	2181.9	2191.4	2204.2	2220.1	2237.6	2266.3	2272.7	2277.4	2277.4	2271.1
37.5°	1828.0	1826.4	1836.0	1847.2	1856.7	1869.5	1890.2	1895.0	1902.9	1899.8	1893.3
40°	1488.5	1480.6	1477.4	1480.6	1491.7	1487.0	1491.7	1488.5	1488.5	1477.4	1477.4
42.5°	1174.6	1165.1	1158.6	1153.9	1153.9	1142.7	1134.7	1126.8	1122.0	1114.0	1112.4
45°	905.3	894.1	886.1	882.9	878.2	863.8	854.2	844.7	833.5	830.4	831.9
47.5°	702.8	691.7	688.5	680.5	672.5	664.6	658.2	647.1	645.4	639.1	645.4
50°	541.9	538.7	533.9	530.7	525.9	519.6	513.2	506.8	503.6	503.6	505.2
52.5°	420.8	422.3	417.5	412.8	409.6	409.6	401.6	400.0	400.0	393.7	400.0
55°	322.0	320.3	322.0	318.7	318.7	314.0	314.0	309.2	309.2	304.4	307.6
57.5°	235.9	239.0	235.9	237.5	240.7	235.9	234.3	229.5	232.7	229.5	231.1
60°	183.3	183.3	183.3	181.7	181.7	180.1	180.1	178.5	178.5	175.3	178.5
62.5°	135.5	137.0	137.0	137.0	138.7	137.0	135.5	137.0	135.5	135.5	137.0
65°	89.3	90.9	90.9	89.3	92.4	89.3	90.9	92.4	94.0	92.4	94.0
67.5°	60.5	60.5	62.2	63.8	62.2	63.8	65.3	63.8	65.3	68.6	65.3
70°	44.6	46.2	46.2	44.6	43.0	44.6	43.0	47.8	47.8	47.8	51.0
72.5°	28.7	28.7	27.1	27.1	27.1	27.1	27.1	31.9	28.7	27.1	30.3
75°	15.9	17.5	17.5	12.7	14.4	17.5	12.7	14.4	19.2	15.9	19.2
77.5°	9.6	9.6	9.6	9.6	9.6	9.6	12.7	11.2	11.2	11.2	12.7
80°	7.9	6.4	6.4	4.8	6.4	6.4	6.4	9.6	7.9	7.9	9.6
82.5°	3.2	3.2	1.6	0.0	3.2	3.2	3.2	3.2	3.2	3.2	6.4
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	3.2	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: P248750

CATALOG NUMBER: LD8B70D010 ER8B709730 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3264.0	3264.0	3264.0	3264.0	3264.0	3264.0	3264.0	3264.0	3264.0	3264.0	3264.0
2.5°	3260.8	3260.8	3259.2	3256.1	3249.6	3249.6	3248.0	3243.3	3240.1	3238.5	3238.5
5°	3244.8	3238.5	3232.1	3214.6	3214.6	3211.4	3201.9	3195.4	3192.3	3184.3	3181.1
7.5°	3230.5	3211.4	3200.2	3189.1	3174.8	3168.3	3157.2	3152.4	3141.3	3133.3	3128.5
10°	3195.4	3182.7	3168.3	3150.8	3139.7	3127.0	3114.2	3104.6	3090.3	3082.3	3075.9
12.5°	3171.6	3152.4	3139.7	3120.5	3101.4	3090.3	3072.8	3061.6	3047.2	3031.3	3021.7
15°	3149.3	3128.5	3111.0	3090.3	3069.6	3056.8	3036.1	3023.4	3002.6	2986.7	2975.5
17.5°	3115.8	3098.2	3079.1	3053.6	3034.5	3018.6	2996.2	2980.3	2961.2	2940.4	2929.3
20°	3080.7	3060.0	3040.9	3015.4	2996.2	2977.1	2954.8	2937.3	2914.9	2895.8	2883.1
22.5°	3034.5	3010.6	2994.6	2969.1	2946.8	2926.1	2905.4	2884.7	2864.0	2848.0	2833.7
25°	2967.5	2942.0	2924.5	2903.8	2883.1	2867.2	2841.7	2828.9	2808.2	2793.8	2779.5
27.5°	2871.9	2852.8	2836.9	2816.1	2798.6	2785.9	2766.7	2754.0	2736.4	2723.7	2712.6
30°	2731.7	2715.8	2701.4	2680.7	2667.9	2656.8	2639.2	2628.1	2615.3	2601.0	2597.8
32.5°	2543.6	2530.8	2516.5	2502.2	2492.6	2486.2	2471.9	2465.5	2452.8	2444.8	2436.8
35°	2259.9	2248.8	2240.8	2234.5	2231.2	2232.8	2229.7	2236.0	2239.2	2237.6	2239.2
37.5°	1888.6	1882.2	1885.4	1890.2	1906.1	1926.9	1946.0	1974.6	1993.8	2012.9	2030.4
40°	1474.2	1479.0	1491.7	1520.4	1561.9	1608.1	1651.1	1705.3	1759.5	1797.8	1832.8
42.5°	1112.4	1126.8	1158.6	1200.1	1262.3	1330.8	1397.7	1477.4	1542.8	1606.5	1651.1
45°	836.7	855.8	897.3	954.7	1023.2	1102.9	1187.4	1276.6	1354.7	1420.0	1469.4
47.5°	651.9	669.4	710.8	771.4	855.8	938.7	1026.4	1118.8	1200.1	1263.8	1306.9
50°	514.8	537.1	573.7	637.5	722.0	809.6	900.5	991.3	1067.8	1122.0	1160.3
52.5°	404.8	425.5	460.6	527.6	613.6	701.3	785.7	875.0	941.9	994.5	1020.0
55°	314.0	333.1	369.7	425.5	506.8	592.9	677.3	753.9	816.0	854.2	878.2
57.5°	239.0	253.4	278.9	334.7	408.0	487.7	559.4	635.9	683.7	710.8	726.7
60°	181.7	192.9	220.0	263.0	329.9	398.5	459.0	516.4	554.6	577.0	592.9
62.5°	137.0	149.8	168.9	205.6	256.6	312.4	363.4	406.4	438.3	452.6	463.8
65°	94.0	103.6	117.9	146.6	189.6	229.5	269.4	301.2	322.0	337.9	344.3
67.5°	70.1	76.5	84.5	106.8	137.0	168.9	196.0	218.3	240.7	247.0	258.2
70°	52.6	57.4	65.3	81.3	98.8	121.1	143.5	156.2	172.1	183.3	186.5
72.5°	33.5	35.0	43.0	52.6	66.9	81.3	95.6	106.8	116.4	122.7	125.9
75°	19.2	28.7	28.7	38.2	47.8	54.2	63.8	71.7	76.5	81.3	81.3
77.5°	12.7	17.5	19.2	23.9	28.7	36.7	44.6	49.4	54.2	55.8	55.8
80°	11.2	12.7	12.7	17.5	20.7	27.1	31.9	33.5	36.7	38.2	41.5
82.5°	4.8	6.4	7.9	12.7	14.4	14.4	19.2	20.7	23.9	25.5	25.5
85°	1.6	3.2	3.2	4.8	7.9	9.6	11.2	12.7	14.4	14.4	15.9
87.5°	1.6	1.6	0.0	1.6	3.2	3.2	6.4	6.4	6.4	9.6	9.6
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: P248750

CATALOG NUMBER: LD8B70D010 ER8B709730 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	3264.0	3264.0	3264.0	3264.0	3264.0	3264.0	3264.0
2.5°	3235.3	3236.9	3230.5	3229.0	3225.7	3227.3	3230.5
5°	3176.3	3177.9	3171.6	3165.2	3165.2	3163.6	3165.2
7.5°	3120.5	3122.2	3112.6	3109.4	3103.0	3104.6	3104.6
10°	3064.8	3064.8	3050.5	3048.8	3044.0	3042.5	3042.5
12.5°	3010.6	3005.8	2994.6	2988.3	2991.5	2981.9	2981.9
15°	2962.8	2954.8	2940.4	2935.7	2927.7	2924.5	2924.5
17.5°	2913.4	2907.0	2894.3	2884.7	2875.1	2873.5	2875.1
20°	2865.5	2859.2	2843.2	2836.9	2828.9	2828.9	2825.7
22.5°	2817.7	2811.3	2797.0	2792.3	2781.1	2781.1	2782.7
25°	2768.3	2763.5	2747.6	2744.4	2742.9	2736.4	2739.6
27.5°	2701.4	2698.2	2685.5	2680.7	2674.3	2672.7	2675.9
30°	2578.7	2573.9	2564.4	2559.6	2548.4	2550.0	2553.1
32.5°	2425.7	2419.3	2406.5	2401.7	2392.2	2389.0	2390.6
35°	2234.5	2229.7	2218.5	2218.5	2208.9	2205.7	2208.9
37.5°	2040.0	2044.7	2040.0	2044.7	2040.0	2038.4	2040.0
40°	1856.7	1874.3	1877.4	1895.0	1888.6	1898.1	1896.6
42.5°	1681.4	1710.1	1721.3	1735.6	1732.4	1738.8	1743.6
45°	1504.5	1528.4	1539.6	1549.1	1550.7	1553.9	1555.5
47.5°	1337.1	1356.3	1357.9	1369.0	1367.4	1367.4	1372.2
50°	1181.0	1193.7	1196.9	1204.9	1198.5	1195.3	1196.9
52.5°	1036.0	1048.7	1045.5	1048.7	1040.7	1037.5	1039.1
55°	887.7	894.1	894.1	894.1	884.5	884.5	884.5
57.5°	736.3	737.9	734.7	736.3	734.7	725.1	723.6
60°	597.7	597.7	596.0	597.7	592.9	588.1	588.1
62.5°	466.9	470.2	476.5	470.2	466.9	470.2	465.4
65°	349.1	355.4	353.8	357.0	355.4	355.4	352.2
67.5°	263.0	264.6	266.1	267.8	267.8	267.8	267.8
70°	192.9	197.7	196.0	196.0	196.0	196.0	205.6
72.5°	129.1	135.5	133.9	137.0	137.0	140.3	137.0
75°	87.6	94.0	90.9	95.6	94.0	90.9	98.8
77.5°	59.0	62.2	63.8	65.3	63.8	62.2	63.8
80°	41.5	44.6	43.0	44.6	44.6	44.6	46.2
82.5°	25.5	30.3	28.7	30.3	28.7	30.3	30.3
85°	17.5	19.2	15.9	19.2	17.5	17.5	20.7
87.5°	11.2	9.6	9.6	11.2	9.6	11.2	9.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)