

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: P248614

Luminaire Tested: **LD8B60D010 ER8B60940 8LBSW0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P248614  
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: LD8B60D010 ER8B60940 8LBSW0H  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
90 CRI 4000 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5556.0 lumens  
Efficiency: N/A  
Efficacy: 93.4 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

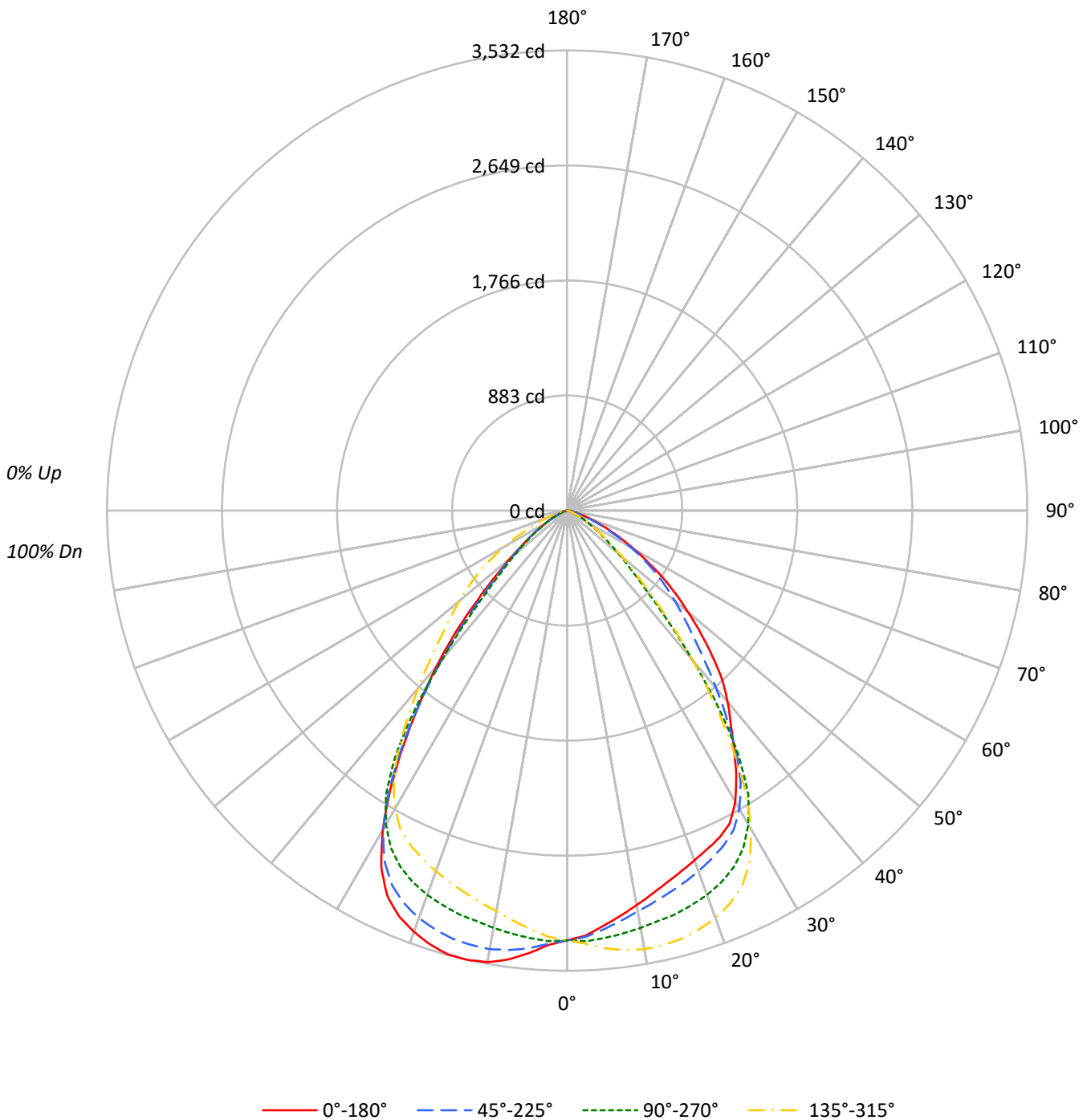
Input Watts (W): 59.5  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	101710	101710	101710	101710
5°	99010	101950	105591	101950
10°	96272	101817	110187	101817
15°	94348	102422	112599	102422
20°	93704	103007	112891	103007
25°	94196	102800	111075	102800
30°	91869	99036	100817	99036
35°	84029	86393	81970	86393
40°	77151	60099	62760	60099
45°	68549	36662	42423	36662
50°	58023	24490	27196	24490
55°	48057	16709	17661	16709
60°	36652	11126	11224	11126
65°	25968	6932	6348	6932
70°	18735	4643	4210	4643
75°	11890	2311	1918	2311
80°	8293	1723	1421	1723
85°	7395	0	566	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	313.9	5.7
10°-20°	909.1	16.4
20°-30°	1376.6	24.8
30°-40°	1379.7	24.8
40°-50°	866.4	15.6
50°-60°	461.7	8.3
60°-70°	189.9	3.4
70°-80°	50.2	0.9
80°-90°	8.5	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°	2599.7	46.8
0°-40°	3979.4	71.6
0°-60°	5307.5	95.5
0°-90°	5556.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5556.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3298	3298	3298	3298	3298	
5°	3199	3294	3411	3294	3199	302
15°	2955	3208	3527	3208	2955	836
25°	2768	3021	3265	3021	2768	1270
35°	2232	2295	2178	2295	2232	1398
45°	1572	841	973	841	1572	1209
55°	894	311	328	311	894	797
65°	356	95	87	95	356	369
75°	100	19	16	19	100	113
85°	21	0	2	0	21	23
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°	3298.4	3298.4	3298.4	3298.4	3298.4	3298.4	3298.4	3298.4	3298.4	3298.4	3298.4
2.5°	3264.6	3261.4	3259.8	3263.0	3264.6	3271.0	3269.5	3272.6	3272.6	3274.3	3277.5
5°	3198.6	3196.9	3198.6	3198.6	3205.0	3211.4	3209.9	3214.7	3217.9	3226.0	3229.1
7.5°	3137.4	3137.4	3135.7	3142.2	3145.4	3155.1	3153.4	3161.5	3166.4	3174.4	3185.7
10°	3074.6	3074.6	3076.1	3081.0	3082.6	3097.1	3097.1	3108.4	3114.8	3122.9	3137.4
12.5°	3013.4	3013.4	3023.0	3019.8	3026.2	3037.5	3042.3	3053.6	3063.3	3079.4	3093.9
15°	2955.4	2955.4	2958.6	2966.6	2971.5	2986.0	2994.0	3006.9	3018.2	3034.3	3055.3
17.5°	2905.4	2903.9	2905.4	2915.1	2924.8	2937.7	2944.1	2960.2	2971.5	2992.4	3011.8
20°	2855.5	2858.8	2858.8	2866.8	2873.2	2889.3	2895.8	2913.5	2926.4	2945.7	2968.3
22.5°	2812.0	2810.4	2810.4	2821.7	2826.6	2841.0	2847.4	2863.5	2878.1	2894.2	2915.1
25°	2768.5	2765.3	2771.8	2773.4	2776.6	2792.7	2797.5	2808.8	2823.3	2837.8	2858.8
27.5°	2704.1	2700.9	2702.5	2709.0	2713.8	2726.7	2729.9	2741.2	2752.4	2765.3	2783.1
30°	2580.1	2576.9	2575.3	2586.6	2591.4	2601.0	2605.9	2625.2	2628.4	2642.9	2655.8
32.5°	2415.8	2414.2	2417.5	2427.1	2431.9	2444.8	2451.3	2462.5	2470.6	2478.7	2491.5
35°	2232.2	2229.0	2232.2	2241.9	2241.9	2253.2	2258.0	2262.8	2261.2	2262.8	2259.6
37.5°	2061.5	2059.9	2061.5	2066.3	2061.5	2066.3	2061.5	2051.9	2034.2	2014.8	1995.5
40°	1916.6	1918.2	1908.5	1915.0	1897.2	1894.0	1876.3	1852.1	1816.7	1778.1	1723.3
42.5°	1762.0	1757.1	1750.7	1753.9	1739.4	1728.1	1699.1	1668.6	1623.4	1559.1	1493.0
45°	1571.9	1570.3	1567.1	1565.5	1555.8	1544.5	1520.3	1484.9	1435.0	1369.0	1290.0
47.5°	1386.7	1381.9	1381.9	1383.4	1372.2	1370.6	1351.2	1320.7	1277.2	1212.7	1130.6
50°	1209.5	1207.9	1211.2	1217.6	1209.5	1206.3	1193.5	1172.5	1133.9	1079.1	1001.7
52.5°	1050.1	1048.5	1051.7	1059.7	1056.5	1059.7	1046.9	1030.8	1005.0	951.8	884.2
55°	893.9	893.9	893.9	903.5	903.5	903.5	897.1	887.5	863.3	824.6	761.8
57.5°	731.2	732.8	742.5	744.1	742.5	745.7	744.1	734.4	718.3	691.0	642.6
60°	594.3	594.3	599.1	604.0	602.3	604.0	604.0	599.1	583.0	560.5	521.9
62.5°	470.3	475.1	471.9	475.1	481.5	475.1	471.9	468.7	457.4	442.9	410.7
65°	355.9	359.2	359.2	360.8	357.5	359.2	352.7	347.9	341.5	325.4	304.4
67.5°	270.6	270.6	270.6	270.6	268.9	267.4	265.8	260.9	249.7	243.2	220.6
70°	207.8	198.1	198.1	198.1	198.1	199.7	194.9	188.5	185.2	174.0	157.8
72.5°	138.5	141.7	138.5	138.5	135.3	136.9	130.5	127.2	124.0	117.6	107.9
75°	99.8	91.8	95.0	96.7	91.8	95.0	88.6	82.1	82.1	77.3	72.5
77.5°	64.4	62.8	64.4	66.0	64.4	62.8	59.6	56.3	56.3	54.8	49.9
80°	46.7	45.1	45.1	45.1	43.5	45.1	41.9	41.9	38.6	37.1	33.8
82.5°	30.6	30.6	29.0	30.6	29.0	30.6	25.8	25.8	25.8	24.1	20.9
85°	20.9	17.7	17.7	19.4	16.1	19.4	17.7	16.1	14.5	14.5	12.9
87.5°	9.7	11.3	9.7	11.3	9.7	9.7	11.3	9.7	9.7	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: P248614

CATALOG NUMBER: LD8B60D010 ER8B60940 8LBSWOH

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	3298.4	3298.4	3298.4	3298.4	3298.4	3298.4	3298.4	3298.4	3298.4	3298.4	3298.4
2.5°	3282.3	3283.9	3283.9	3290.4	3293.6	3295.2	3295.2	3308.1	3303.3	3306.5	3309.7
5°	3235.6	3245.3	3248.5	3248.5	3266.2	3272.6	3279.1	3293.6	3295.2	3304.9	3316.1
7.5°	3190.5	3201.8	3208.3	3222.7	3234.0	3245.3	3264.6	3274.3	3283.9	3296.8	3311.3
10°	3147.0	3159.9	3172.8	3184.1	3201.8	3216.3	3229.1	3251.7	3263.0	3280.7	3300.0
12.5°	3105.2	3122.9	3134.1	3153.4	3172.8	3185.7	3205.0	3226.0	3243.7	3261.4	3283.9
15°	3068.1	3089.1	3101.9	3122.9	3143.8	3161.5	3182.5	3208.3	3221.1	3242.1	3263.0
17.5°	3027.8	3050.4	3066.5	3085.8	3111.6	3130.9	3148.7	3174.4	3190.5	3213.0	3237.2
20°	2986.0	3008.5	3027.8	3047.2	3073.0	3092.3	3113.2	3139.0	3156.7	3179.2	3198.6
22.5°	2936.1	2957.0	2977.9	3000.4	3026.2	3042.3	3066.5	3089.1	3108.4	3129.3	3148.7
25°	2871.6	2897.4	2913.5	2934.4	2955.4	2973.1	2998.8	3021.4	3037.5	3056.9	3074.6
27.5°	2795.9	2815.3	2828.1	2845.8	2866.8	2882.9	2902.2	2924.8	2940.9	2958.6	2971.5
30°	2667.1	2684.8	2696.1	2709.0	2729.9	2744.4	2760.5	2781.4	2792.7	2805.6	2816.9
32.5°	2497.9	2512.5	2518.9	2528.6	2543.1	2557.5	2570.5	2588.2	2593.0	2601.0	2601.0
35°	2253.2	2256.4	2254.8	2258.0	2264.5	2272.5	2283.8	2295.0	2301.5	2301.5	2296.7
37.5°	1966.5	1947.2	1926.2	1910.1	1905.3	1902.0	1908.5	1913.3	1919.8	1923.0	1915.0
40°	1668.6	1625.1	1578.3	1536.4	1507.5	1494.6	1489.8	1493.0	1493.0	1504.2	1504.2
42.5°	1412.5	1344.8	1275.6	1212.7	1170.8	1138.7	1124.2	1124.2	1125.8	1133.9	1138.7
45°	1199.9	1114.5	1034.0	964.7	906.7	864.8	845.6	840.7	839.1	842.3	853.6
47.5°	1037.2	948.6	864.8	779.5	718.3	676.4	658.7	652.2	645.8	652.2	653.9
50°	910.0	818.2	729.6	644.2	579.8	542.7	520.2	510.5	508.9	508.9	512.2
52.5°	794.0	708.7	620.1	533.1	465.4	430.0	409.1	404.2	397.8	404.2	404.2
55°	684.5	599.1	512.2	430.0	373.6	336.6	317.3	310.8	307.6	312.4	312.4
57.5°	565.3	492.8	412.3	338.2	281.9	256.1	241.6	233.5	231.9	235.1	231.9
60°	463.8	402.7	333.4	265.8	222.3	194.9	183.6	180.4	177.1	180.4	180.4
62.5°	367.2	315.7	259.3	207.8	170.7	151.4	138.5	138.5	136.9	136.9	138.5
65°	272.2	231.9	191.6	148.2	119.2	104.7	95.0	95.0	93.4	95.0	93.4
67.5°	198.1	170.7	138.5	107.9	85.4	77.3	70.9	66.0	69.3	66.0	64.4
70°	145.0	122.4	99.8	82.1	66.0	58.0	53.2	51.5	48.3	48.3	48.3
72.5°	96.7	82.1	67.6	53.2	43.5	35.4	33.8	30.6	27.4	29.0	32.2
75°	64.4	54.8	48.3	38.6	29.0	29.0	19.4	19.4	16.1	19.4	14.5
77.5°	45.1	37.1	29.0	24.1	19.4	17.7	12.9	12.9	11.3	11.3	11.3
80°	32.2	27.4	20.9	17.7	12.9	12.9	11.3	9.7	8.0	8.0	9.7
82.5°	19.4	14.5	14.5	12.9	8.0	6.4	4.8	6.4	3.2	3.2	3.2
85°	11.3	9.7	8.0	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: P248614

CATALOG NUMBER: LD8B60D010 ER8B60940 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	3298.4	3298.4	3298.4	3298.4	3298.4	3298.4	3298.4	3298.4	3298.4	3298.4	3298.4
2.5°	3317.8	3316.1	3319.4	3319.4	3329.0	3327.4	3332.2	3332.2	3329.0	3330.6	3337.1
5°	3329.0	3333.9	3343.5	3351.6	3366.0	3372.5	3380.6	3388.6	3390.2	3395.1	3399.9
7.5°	3329.0	3345.2	3356.4	3370.9	3390.2	3401.5	3419.2	3433.7	3440.2	3448.2	3457.9
10°	3322.6	3338.7	3359.6	3375.7	3399.9	3417.6	3435.3	3457.9	3467.5	3480.4	3493.3
12.5°	3309.7	3327.4	3349.9	3370.9	3398.3	3414.4	3436.9	3457.9	3472.4	3490.1	3504.6
15°	3290.4	3311.3	3332.2	3353.2	3382.1	3401.5	3422.5	3446.6	3461.1	3480.4	3493.3
17.5°	3259.8	3282.3	3301.7	3321.0	3348.3	3370.9	3390.2	3412.8	3427.3	3443.4	3461.1
20°	3222.7	3243.7	3264.6	3280.7	3308.1	3327.4	3348.3	3369.3	3380.6	3383.8	3411.2
22.5°	3176.0	3190.5	3206.6	3232.4	3248.5	3266.2	3285.6	3304.9	3316.1	3333.9	3343.5
25°	3098.7	3113.2	3130.9	3142.2	3161.5	3176.0	3195.3	3216.3	3222.7	3235.6	3245.3
27.5°	2990.8	2998.8	3006.9	3016.5	3027.8	3035.9	3047.2	3056.9	3063.3	3069.7	3076.1
30°	2820.1	2820.1	2820.1	2813.6	2818.5	2823.3	2824.9	2823.3	2823.3	2821.7	2821.7
32.5°	2594.6	2581.7	2567.2	2554.4	2549.5	2543.1	2539.8	2535.0	2527.0	2522.1	2523.7
35°	2290.2	2261.2	2243.5	2227.4	2214.5	2204.9	2200.0	2195.2	2193.6	2187.2	2180.7
37.5°	1910.1	1889.2	1876.3	1866.6	1855.4	1845.7	1847.3	1848.9	1853.7	1850.5	1852.1
40°	1507.5	1502.6	1507.5	1496.2	1493.0	1496.2	1504.2	1515.6	1522.0	1528.4	1539.7
42.5°	1146.7	1154.7	1166.1	1166.1	1170.8	1177.3	1187.0	1204.7	1214.3	1225.6	1238.5
45°	863.3	872.9	887.5	892.2	895.5	903.5	914.8	929.3	935.7	945.4	956.7
47.5°	665.2	671.6	679.6	687.7	695.7	699.0	710.3	710.3	718.3	724.8	728.0
50°	518.6	525.0	531.5	536.3	539.6	544.4	547.6	552.4	554.0	557.2	558.8
52.5°	405.8	413.9	413.9	417.1	421.9	426.8	425.2	426.8	428.4	428.4	433.2
55°	317.3	317.3	322.1	322.1	325.4	323.7	325.4	325.4	325.4	325.4	327.0
57.5°	236.7	238.4	243.2	240.0	238.4	241.6	238.4	241.6	240.0	243.2	238.4
60°	182.0	182.0	183.6	183.6	185.2	185.2	185.2	183.6	183.6	182.0	182.0
62.5°	136.9	138.5	140.1	138.5	138.5	138.5	136.9	136.9	135.3	133.6	133.6
65°	91.8	90.2	93.4	90.2	91.8	91.8	90.2	91.8	87.0	88.6	87.0
67.5°	66.0	64.4	62.8	64.4	62.8	61.2	61.2	62.8	64.4	59.6	59.6
70°	43.5	45.1	43.5	45.1	46.7	46.7	45.1	43.5	45.1	41.9	43.5
72.5°	27.4	27.4	27.4	27.4	27.4	29.0	29.0	29.0	25.8	25.8	24.1
75°	12.9	17.7	14.5	12.9	17.7	17.7	16.1	16.1	14.5	14.5	14.5
77.5°	12.9	9.7	9.7	9.7	9.7	9.7	9.7	9.7	8.0	9.7	8.0
80°	6.4	6.4	6.4	4.8	6.4	6.4	8.0	6.4	6.4	4.8	8.0
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: P248614

CATALOG NUMBER: LD8B60D010 ER8B60940 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3298.4	3298.4	3298.4	3298.4	3298.4	3298.4	3298.4	3298.4	3298.4	3298.4	3298.4
2.5°	3335.5	3333.9	3335.5	3337.1	3335.5	3333.9	3335.5	3337.1	3330.6	3329.0	3332.2
5°	3406.3	3406.3	3409.5	3411.2	3409.5	3406.3	3406.3	3399.9	3395.1	3390.2	3388.6
7.5°	3467.5	3470.8	3474.0	3475.6	3474.0	3470.8	3467.5	3457.9	3448.2	3440.2	3433.7
10°	3504.6	3509.4	3515.9	3519.0	3515.9	3509.4	3504.6	3493.3	3480.4	3467.5	3457.9
12.5°	3520.7	3525.5	3533.6	3532.0	3533.6	3525.5	3520.7	3504.6	3490.1	3472.4	3457.9
15°	3509.4	3515.9	3523.9	3527.1	3523.9	3515.9	3509.4	3493.3	3480.4	3461.1	3446.6
17.5°	3474.0	3483.6	3488.5	3493.3	3488.5	3483.6	3474.0	3461.1	3443.4	3427.3	3412.8
20°	3425.6	3432.1	3438.6	3440.2	3438.6	3432.1	3425.6	3411.2	3383.8	3380.6	3369.3
22.5°	3356.4	3361.3	3375.7	3370.9	3375.7	3361.3	3356.4	3343.5	3333.9	3316.1	3304.9
25°	3256.5	3261.4	3263.0	3264.6	3263.0	3261.4	3256.5	3245.3	3235.6	3222.7	3216.3
27.5°	3084.2	3084.2	3087.4	3089.1	3087.4	3084.2	3084.2	3076.1	3069.7	3063.3	3056.9
30°	2823.3	2823.3	2823.3	2831.4	2823.3	2823.3	2823.3	2821.7	2821.7	2823.3	2823.3
32.5°	2522.1	2518.9	2515.7	2518.9	2515.7	2518.9	2522.1	2523.7	2522.1	2527.0	2535.0
35°	2180.7	2179.1	2183.9	2177.5	2183.9	2179.1	2180.7	2180.7	2187.2	2193.6	2195.2
37.5°	1853.7	1850.5	1857.0	1850.5	1857.0	1850.5	1853.7	1852.1	1850.5	1853.7	1848.9
40°	1542.9	1546.1	1546.1	1559.1	1546.1	1546.1	1542.9	1539.7	1528.4	1522.0	1515.6
42.5°	1245.0	1254.6	1251.4	1261.1	1251.4	1254.6	1245.0	1238.5	1225.6	1214.3	1204.7
45°	963.1	969.6	969.6	972.8	969.6	969.6	963.1	956.7	945.4	935.7	929.3
47.5°	739.2	739.2	739.2	740.9	739.2	739.2	739.2	728.0	724.8	718.3	710.3
50°	562.1	563.7	565.3	566.9	565.3	563.7	562.1	558.8	557.2	554.0	552.4
52.5°	431.6	433.2	430.0	433.2	430.0	433.2	431.6	433.2	428.4	428.4	426.8
55°	327.0	325.4	327.0	328.5	327.0	325.4	327.0	327.0	325.4	325.4	325.4
57.5°	240.0	236.7	236.7	236.7	236.7	236.7	240.0	238.4	243.2	240.0	241.6
60°	178.8	180.4	180.4	182.0	180.4	180.4	178.8	182.0	182.0	183.6	183.6
62.5°	132.1	136.9	133.6	136.9	133.6	136.9	132.1	133.6	133.6	135.3	136.9
65°	85.4	85.4	85.4	87.0	85.4	85.4	85.4	87.0	88.6	87.0	91.8
67.5°	58.0	59.6	62.8	61.2	62.8	59.6	58.0	59.6	59.6	64.4	62.8
70°	46.7	41.9	41.9	46.7	41.9	41.9	46.7	43.5	41.9	45.1	43.5
72.5°	27.4	24.1	27.4	27.4	27.4	24.1	27.4	24.1	25.8	25.8	29.0
75°	14.5	12.9	11.3	16.1	11.3	12.9	14.5	14.5	14.5	14.5	16.1
77.5°	9.7	8.0	11.3	11.3	11.3	8.0	9.7	8.0	9.7	8.0	9.7
80°	4.8	6.4	4.8	8.0	4.8	6.4	4.8	8.0	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: P248614

CATALOG NUMBER: LD8B60D010 ER8B60940 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3298.4	3298.4	3298.4	3298.4	3298.4	3298.4	3298.4	3298.4	3298.4	3298.4	3298.4
2.5°	3332.2	3327.4	3329.0	3319.4	3319.4	3316.1	3317.8	3309.7	3306.5	3303.3	3308.1
5°	3380.6	3372.5	3366.0	3351.6	3343.5	3333.9	3329.0	3316.1	3304.9	3295.2	3293.6
7.5°	3419.2	3401.5	3390.2	3370.9	3356.4	3345.2	3329.0	3311.3	3296.8	3283.9	3274.3
10°	3435.3	3417.6	3399.9	3375.7	3359.6	3338.7	3322.6	3300.0	3280.7	3263.0	3251.7
12.5°	3436.9	3414.4	3398.3	3370.9	3349.9	3327.4	3309.7	3283.9	3261.4	3243.7	3226.0
15°	3422.5	3401.5	3382.1	3353.2	3332.2	3311.3	3290.4	3263.0	3242.1	3221.1	3208.3
17.5°	3390.2	3370.9	3348.3	3321.0	3301.7	3282.3	3259.8	3237.2	3213.0	3190.5	3174.4
20°	3348.3	3327.4	3308.1	3280.7	3264.6	3243.7	3222.7	3198.6	3179.2	3156.7	3139.0
22.5°	3285.6	3266.2	3248.5	3232.4	3206.6	3190.5	3176.0	3148.7	3129.3	3108.4	3089.1
25°	3195.3	3176.0	3161.5	3142.2	3130.9	3113.2	3098.7	3074.6	3056.9	3037.5	3021.4
27.5°	3047.2	3035.9	3027.8	3016.5	3006.9	2998.8	2990.8	2971.5	2958.6	2940.9	2924.8
30°	2824.9	2823.3	2818.5	2813.6	2820.1	2820.1	2820.1	2816.9	2805.6	2792.7	2781.4
32.5°	2539.8	2543.1	2549.5	2554.4	2567.2	2581.7	2594.6	2601.0	2601.0	2593.0	2588.2
35°	2200.0	2204.9	2214.5	2227.4	2243.5	2261.2	2290.2	2296.7	2301.5	2301.5	2295.0
37.5°	1847.3	1845.7	1855.4	1866.6	1876.3	1889.2	1910.1	1915.0	1923.0	1919.8	1913.3
40°	1504.2	1496.2	1493.0	1496.2	1507.5	1502.6	1507.5	1504.2	1504.2	1493.0	1493.0
42.5°	1187.0	1177.3	1170.8	1166.1	1166.1	1154.7	1146.7	1138.7	1133.9	1125.8	1124.2
45°	914.8	903.5	895.5	892.2	887.5	872.9	863.3	853.6	842.3	839.1	840.7
47.5°	710.3	699.0	695.7	687.7	679.6	671.6	665.2	653.9	652.2	645.8	652.2
50°	547.6	544.4	539.6	536.3	531.5	525.0	518.6	512.2	508.9	508.9	510.5
52.5°	425.2	426.8	421.9	417.1	413.9	413.9	405.8	404.2	404.2	397.8	404.2
55°	325.4	323.7	325.4	322.1	322.1	317.3	317.3	312.4	312.4	307.6	310.8
57.5°	238.4	241.6	238.4	240.0	243.2	238.4	236.7	231.9	235.1	231.9	233.5
60°	185.2	185.2	185.2	183.6	183.6	182.0	182.0	180.4	180.4	177.1	180.4
62.5°	136.9	138.5	138.5	138.5	140.1	138.5	136.9	138.5	136.9	136.9	138.5
65°	90.2	91.8	91.8	90.2	93.4	90.2	91.8	93.4	95.0	93.4	95.0
67.5°	61.2	61.2	62.8	64.4	62.8	64.4	66.0	64.4	66.0	69.3	66.0
70°	45.1	46.7	46.7	45.1	43.5	45.1	43.5	48.3	48.3	48.3	51.5
72.5°	29.0	29.0	27.4	27.4	27.4	27.4	27.4	32.2	29.0	27.4	30.6
75°	16.1	17.7	17.7	12.9	14.5	17.7	12.9	14.5	19.4	16.1	19.4
77.5°	9.7	9.7	9.7	9.7	9.7	9.7	12.9	11.3	11.3	11.3	12.9
80°	8.0	6.4	6.4	4.8	6.4	6.4	6.4	9.7	8.0	8.0	9.7
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: P248614

CATALOG NUMBER: LD8B60D010 ER8B60940 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3298.4	3298.4	3298.4	3298.4	3298.4	3298.4	3298.4	3298.4	3298.4	3298.4	3298.4
2.5°	3295.2	3295.2	3293.6	3290.4	3283.9	3283.9	3282.3	3277.5	3274.3	3272.6	3272.6
5°	3279.1	3272.6	3266.2	3248.5	3248.5	3245.3	3235.6	3229.1	3226.0	3217.9	3214.7
7.5°	3264.6	3245.3	3234.0	3222.7	3208.3	3201.8	3190.5	3185.7	3174.4	3166.4	3161.5
10°	3229.1	3216.3	3201.8	3184.1	3172.8	3159.9	3147.0	3137.4	3122.9	3114.8	3108.4
12.5°	3205.0	3185.7	3172.8	3153.4	3134.1	3122.9	3105.2	3093.9	3079.4	3063.3	3053.6
15°	3182.5	3161.5	3143.8	3122.9	3101.9	3089.1	3068.1	3055.3	3034.3	3018.2	3006.9
17.5°	3148.7	3130.9	3111.6	3085.8	3066.5	3050.4	3027.8	3011.8	2992.4	2971.5	2960.2
20°	3113.2	3092.3	3073.0	3047.2	3027.8	3008.5	2986.0	2968.3	2945.7	2926.4	2913.5
22.5°	3066.5	3042.3	3026.2	3000.4	2977.9	2957.0	2936.1	2915.1	2894.2	2878.1	2863.5
25°	2998.8	2973.1	2955.4	2934.4	2913.5	2897.4	2871.6	2858.8	2837.8	2823.3	2808.8
27.5°	2902.2	2882.9	2866.8	2845.8	2828.1	2815.3	2795.9	2783.1	2765.3	2752.4	2741.2
30°	2760.5	2744.4	2729.9	2709.0	2696.1	2684.8	2667.1	2655.8	2642.9	2628.4	2625.2
32.5°	2570.5	2557.5	2543.1	2528.6	2518.9	2512.5	2497.9	2491.5	2478.7	2470.6	2462.5
35°	2283.8	2272.5	2264.5	2258.0	2254.8	2256.4	2253.2	2259.6	2262.8	2261.2	2262.8
37.5°	1908.5	1902.0	1905.3	1910.1	1926.2	1947.2	1966.5	1995.5	2014.8	2034.2	2051.9
40°	1489.8	1494.6	1507.5	1536.4	1578.3	1625.1	1668.6	1723.3	1778.1	1816.7	1852.1
42.5°	1124.2	1138.7	1170.8	1212.7	1275.6	1344.8	1412.5	1493.0	1559.1	1623.4	1668.6
45°	845.6	864.8	906.7	964.7	1034.0	1114.5	1199.9	1290.0	1369.0	1435.0	1484.9
47.5°	658.7	676.4	718.3	779.5	864.8	948.6	1037.2	1130.6	1212.7	1277.2	1320.7
50°	520.2	542.7	579.8	644.2	729.6	818.2	910.0	1001.7	1079.1	1133.9	1172.5
52.5°	409.1	430.0	465.4	533.1	620.1	708.7	794.0	884.2	951.8	1005.0	1030.8
55°	317.3	336.6	373.6	430.0	512.2	599.1	684.5	761.8	824.6	863.3	887.5
57.5°	241.6	256.1	281.9	338.2	412.3	492.8	565.3	642.6	691.0	718.3	734.4
60°	183.6	194.9	222.3	265.8	333.4	402.7	463.8	521.9	560.5	583.0	599.1
62.5°	138.5	151.4	170.7	207.8	259.3	315.7	367.2	410.7	442.9	457.4	468.7
65°	95.0	104.7	119.2	148.2	191.6	231.9	272.2	304.4	325.4	341.5	347.9
67.5°	70.9	77.3	85.4	107.9	138.5	170.7	198.1	220.6	243.2	249.7	260.9
70°	53.2	58.0	66.0	82.1	99.8	122.4	145.0	157.8	174.0	185.2	188.5
72.5°	33.8	35.4	43.5	53.2	67.6	82.1	96.7	107.9	117.6	124.0	127.2
75°	19.4	29.0	29.0	38.6	48.3	54.8	64.4	72.5	77.3	82.1	82.1
77.5°	12.9	17.7	19.4	24.1	29.0	37.1	45.1	49.9	54.8	56.3	56.3
80°	11.3	12.9	12.9	17.7	20.9	27.4	32.2	33.8	37.1	38.6	41.9
82.5°	4.8	6.4	8.0	12.9	14.5	14.5	19.4	20.9	24.1	25.8	25.8
85°	1.6	3.2	3.2	4.8	8.0	9.7	11.3	12.9	14.5	14.5	16.1
87.5°	1.6	1.6	0.0	1.6	3.2	3.2	6.4	6.4	6.4	9.7	9.7
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: P248614

CATALOG NUMBER: LD8B60D010 ER8B60940 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	3298.4	3298.4	3298.4	3298.4	3298.4	3298.4	3298.4
2.5°	3269.5	3271.0	3264.6	3263.0	3259.8	3261.4	3264.6
5°	3209.9	3211.4	3205.0	3198.6	3198.6	3196.9	3198.6
7.5°	3153.4	3155.1	3145.4	3142.2	3135.7	3137.4	3137.4
10°	3097.1	3097.1	3082.6	3081.0	3076.1	3074.6	3074.6
12.5°	3042.3	3037.5	3026.2	3019.8	3023.0	3013.4	3013.4
15°	2994.0	2986.0	2971.5	2966.6	2958.6	2955.4	2955.4
17.5°	2944.1	2937.7	2924.8	2915.1	2905.4	2903.9	2905.4
20°	2895.8	2889.3	2873.2	2866.8	2858.8	2858.8	2855.5
22.5°	2847.4	2841.0	2826.6	2821.7	2810.4	2810.4	2812.0
25°	2797.5	2792.7	2776.6	2773.4	2771.8	2765.3	2768.5
27.5°	2729.9	2726.7	2713.8	2709.0	2702.5	2700.9	2704.1
30°	2605.9	2601.0	2591.4	2586.6	2575.3	2576.9	2580.1
32.5°	2451.3	2444.8	2431.9	2427.1	2417.5	2414.2	2415.8
35°	2258.0	2253.2	2241.9	2241.9	2232.2	2229.0	2232.2
37.5°	2061.5	2066.3	2061.5	2066.3	2061.5	2059.9	2061.5
40°	1876.3	1894.0	1897.2	1915.0	1908.5	1918.2	1916.6
42.5°	1699.1	1728.1	1739.4	1753.9	1750.7	1757.1	1762.0
45°	1520.3	1544.5	1555.8	1565.5	1567.1	1570.3	1571.9
47.5°	1351.2	1370.6	1372.2	1383.4	1381.9	1381.9	1386.7
50°	1193.5	1206.3	1209.5	1217.6	1211.2	1207.9	1209.5
52.5°	1046.9	1059.7	1056.5	1059.7	1051.7	1048.5	1050.1
55°	897.1	903.5	903.5	903.5	893.9	893.9	893.9
57.5°	744.1	745.7	742.5	744.1	742.5	732.8	731.2
60°	604.0	604.0	602.3	604.0	599.1	594.3	594.3
62.5°	471.9	475.1	481.5	475.1	471.9	475.1	470.3
65°	352.7	359.2	357.5	360.8	359.2	359.2	355.9
67.5°	265.8	267.4	268.9	270.6	270.6	270.6	270.6
70°	194.9	199.7	198.1	198.1	198.1	198.1	207.8
72.5°	130.5	136.9	135.3	138.5	138.5	141.7	138.5
75°	88.6	95.0	91.8	96.7	95.0	91.8	99.8
77.5°	59.6	62.8	64.4	66.0	64.4	62.8	64.4
80°	41.9	45.1	43.5	45.1	45.1	45.1	46.7
82.5°	25.8	30.6	29.0	30.6	29.0	30.6	30.6
85°	17.7	19.4	16.1	19.4	17.7	17.7	20.9
87.5°	11.3	9.7	9.7	11.3	9.7	11.3	9.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)