

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: P248542

Luminaire Tested: **LD8B60D010 ER8B60827 8LBSW0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P248542  
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 ER8B60827 8LBSW0H  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
80 CRI 2700 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5852.0 lumens  
Efficiency: N/A  
Efficacy: 98.4 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

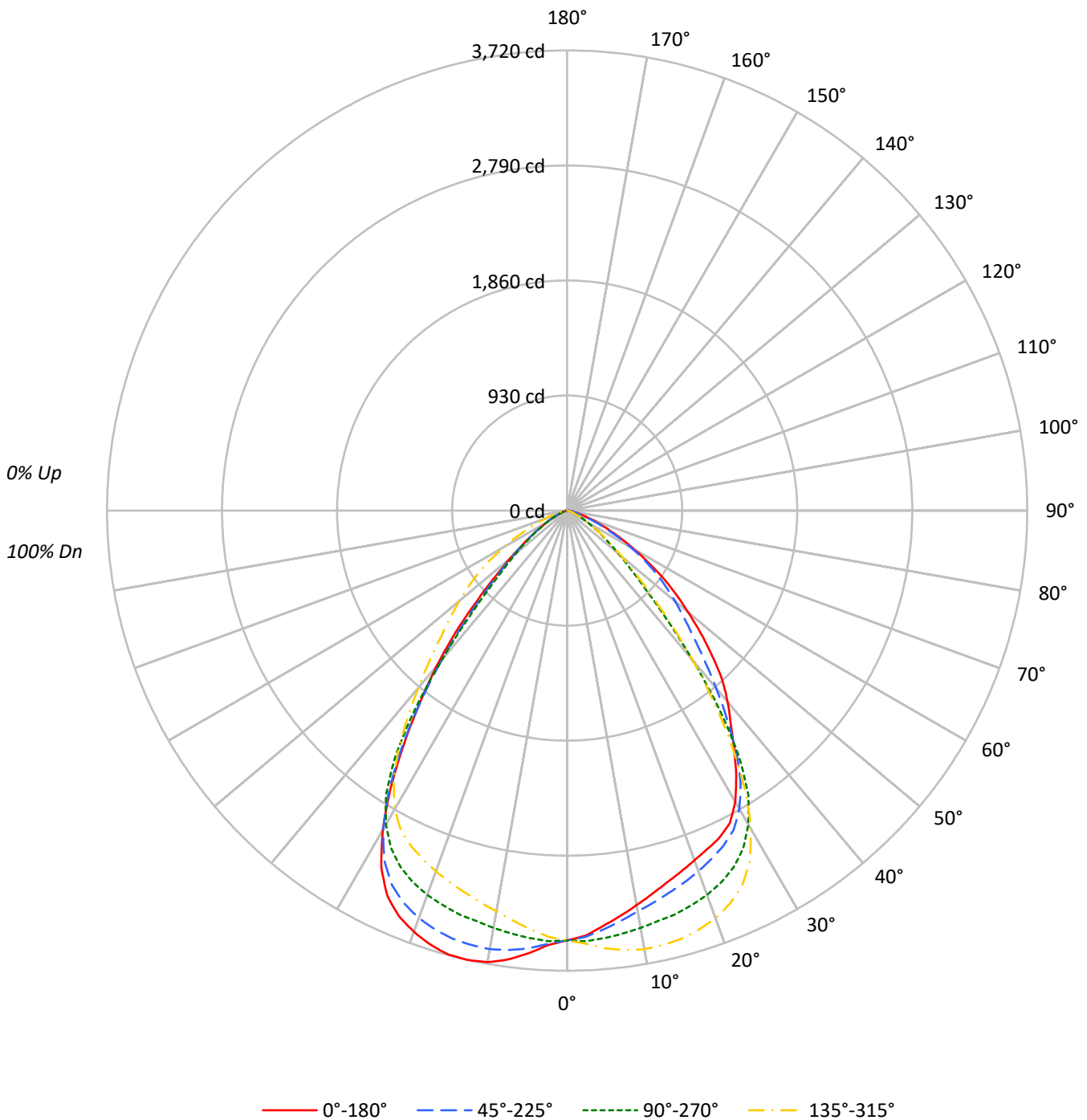
Input Watts (W): 59.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	107128	107128	107128	107128
5°	104284	107380	111215	107380
10°	101401	107241	116058	107241
15°	99373	107878	118598	107878
20°	98699	108494	118903	108494
25°	99214	108278	116992	108278
30°	96761	104313	106186	104313
35°	88509	90997	86337	90997
40°	81261	63299	66101	63299
45°	72204	38616	44682	38616
50°	61113	25795	28645	25795
55°	50616	17602	18601	17602
60°	38607	11718	11823	11718
65°	27355	7304	6684	7304
70°	19727	4896	4436	4896
75°	12534	2431	2025	2431
80°	8737	1811	1492	1811
85°	7819	0	601	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	330.7	5.7
10°-20°	957.6	16.4
20°-30°	1450.0	24.8
30°-40°	1453.2	24.8
40°-50°	912.5	15.6
50°-60°	486.3	8.3
60°-70°	200.0	3.4
70°-80°	52.8	0.9
80°-90°	8.9	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°	2738.2	46.8
0°-40°	4191.4	71.6
0°-60°	5590.3	95.5
0°-90°	5852.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5852.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3474	3474	3474	3474	3474	
5°	3369	3469	3593	3469	3369	318
15°	3113	3379	3715	3379	3113	880
25°	2916	3182	3438	3182	2916	1337
35°	2351	2417	2294	2417	2351	1473
45°	1656	886	1025	886	1656	1273
55°	942	327	346	327	942	839
65°	375	100	92	100	375	389
75°	105	20	17	20	105	119
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°	3474.1	3474.1	3474.1	3474.1	3474.1	3474.1	3474.1	3474.1	3474.1	3474.1	3474.1
2.5°	3438.5	3435.1	3433.4	3436.9	3438.5	3445.3	3443.6	3447.0	3447.0	3448.7	3452.1
5°	3369.0	3367.2	3369.0	3369.0	3375.8	3382.5	3380.9	3386.0	3389.3	3397.8	3401.2
7.5°	3304.5	3304.5	3302.8	3309.6	3313.0	3323.2	3321.4	3330.0	3335.1	3343.5	3355.4
10°	3238.4	3238.4	3240.0	3245.1	3246.9	3262.1	3262.1	3274.0	3280.7	3289.3	3304.5
12.5°	3173.9	3173.9	3184.1	3180.7	3187.5	3199.3	3204.4	3216.3	3226.5	3243.4	3258.7
15°	3112.8	3112.8	3116.2	3124.7	3129.8	3145.1	3153.5	3167.1	3179.0	3196.0	3218.0
17.5°	3060.2	3058.6	3060.2	3070.4	3080.6	3094.2	3100.9	3117.9	3129.8	3151.8	3172.2
20°	3007.7	3011.1	3011.1	3019.5	3026.3	3043.3	3050.0	3068.8	3082.3	3102.6	3126.4
22.5°	2961.9	2960.2	2960.2	2972.0	2977.1	2992.4	2999.1	3016.1	3031.4	3048.4	3070.4
25°	2916.0	2912.6	2919.5	2921.1	2924.5	2941.5	2946.6	2958.4	2973.7	2989.0	3011.1
27.5°	2848.2	2844.8	2846.5	2853.3	2858.4	2871.9	2875.3	2887.2	2899.1	2912.6	2931.3
30°	2717.5	2714.2	2712.5	2724.4	2729.5	2739.6	2744.7	2765.1	2768.4	2783.7	2797.3
32.5°	2544.5	2542.8	2546.3	2556.4	2561.5	2575.1	2581.9	2593.7	2602.2	2610.7	2624.3
35°	2351.2	2347.8	2351.2	2361.4	2361.4	2373.2	2378.3	2383.4	2381.7	2383.4	2380.0
37.5°	2171.4	2169.6	2171.4	2176.4	2171.4	2176.4	2171.4	2161.2	2142.5	2122.2	2101.8
40°	2018.7	2020.3	2010.2	2017.0	1998.3	1994.9	1976.3	1950.8	1913.5	1872.8	1815.1
42.5°	1855.8	1850.7	1844.0	1847.3	1832.1	1820.2	1789.7	1757.5	1709.9	1642.1	1572.5
45°	1655.7	1654.0	1650.6	1648.9	1638.7	1626.8	1601.3	1564.1	1511.5	1441.9	1358.8
47.5°	1460.6	1455.5	1455.5	1457.2	1445.3	1443.6	1423.2	1391.0	1345.2	1277.4	1190.8
50°	1273.9	1272.3	1275.7	1282.5	1273.9	1270.6	1257.0	1235.0	1194.3	1136.6	1055.1
52.5°	1106.0	1104.3	1107.8	1116.2	1112.8	1116.2	1102.7	1085.7	1058.5	1002.5	931.3
55°	941.5	941.5	941.5	951.6	951.6	951.6	944.9	934.7	909.2	868.5	802.4
57.5°	770.2	771.8	782.0	783.7	782.0	785.4	783.7	773.5	756.6	727.8	676.9
60°	626.0	626.0	631.1	636.2	634.4	636.2	636.2	631.1	614.1	590.4	549.7
62.5°	495.3	500.4	497.0	500.4	507.2	500.4	497.0	493.7	481.8	466.5	432.6
65°	374.9	378.3	378.3	380.0	376.6	378.3	371.5	366.4	359.7	342.7	320.6
67.5°	285.0	285.0	285.0	285.0	283.3	281.6	279.9	274.8	263.0	256.2	232.4
70°	218.8	208.6	208.6	208.6	208.6	210.4	205.3	198.5	195.1	183.2	166.3
72.5°	145.9	149.3	145.9	145.9	142.5	144.2	137.4	134.0	130.6	123.9	113.7
75°	105.2	96.7	100.1	101.8	96.7	100.1	93.3	86.5	86.5	81.4	76.3
77.5°	67.9	66.2	67.9	69.5	67.9	66.2	62.8	59.4	59.4	57.7	52.6
80°	49.2	47.5	47.5	47.5	45.8	47.5	44.1	44.1	40.7	39.0	35.6
82.5°	32.3	32.3	30.5	32.3	30.5	32.3	27.2	27.2	27.2	25.4	22.1
85°	22.1	18.6	18.6	20.4	17.0	20.4	18.6	17.0	15.3	15.3	13.5
87.5°	10.2	11.9	10.2	11.9	10.2	10.2	11.9	10.2	10.2	6.8	6.8
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°	3474.1	3474.1	3474.1	3474.1	3474.1	3474.1	3474.1	3474.1	3474.1	3474.1	3474.1
2.5°	3457.2	3458.9	3458.9	3465.7	3469.0	3470.7	3470.7	3484.3	3479.2	3482.7	3486.0
5°	3408.0	3418.1	3421.6	3421.6	3440.2	3447.0	3453.8	3469.0	3470.7	3480.9	3492.8
7.5°	3360.5	3372.3	3379.2	3394.4	3406.3	3418.1	3438.5	3448.7	3458.9	3472.5	3487.7
10°	3314.7	3328.3	3341.8	3353.7	3372.3	3387.6	3401.2	3424.9	3436.9	3455.5	3475.8
12.5°	3270.6	3289.3	3301.1	3321.4	3341.8	3355.4	3375.8	3397.8	3416.5	3435.1	3458.9
15°	3231.6	3253.6	3267.2	3289.3	3311.3	3330.0	3352.0	3379.2	3392.7	3414.8	3436.9
17.5°	3189.1	3212.9	3229.9	3250.2	3277.4	3297.7	3316.4	3343.5	3360.5	3384.2	3409.7
20°	3145.1	3168.8	3189.1	3209.5	3236.7	3257.0	3279.1	3306.2	3324.9	3348.6	3369.0
22.5°	3092.5	3114.6	3136.5	3160.3	3187.5	3204.4	3229.9	3253.6	3274.0	3296.0	3316.4
25°	3024.6	3051.8	3068.8	3090.7	3112.8	3131.5	3158.6	3182.4	3199.3	3219.7	3238.4
27.5°	2944.9	2965.3	2978.8	2997.5	3019.5	3036.5	3056.8	3080.6	3097.6	3116.2	3129.8
30°	2809.1	2827.9	2839.7	2853.3	2875.3	2890.6	2907.6	2929.6	2941.5	2955.1	2966.9
32.5°	2631.0	2646.3	2653.1	2663.3	2678.6	2693.8	2707.4	2726.1	2731.2	2739.6	2739.6
35°	2373.2	2376.6	2374.9	2378.3	2385.1	2393.6	2405.4	2417.3	2424.1	2424.1	2419.0
37.5°	2071.2	2050.9	2028.9	2011.9	2006.8	2003.4	2010.2	2015.3	2022.1	2025.4	2017.0
40°	1757.5	1711.7	1662.4	1618.3	1587.8	1574.2	1569.1	1572.5	1572.5	1584.4	1584.4
42.5°	1487.7	1416.4	1343.5	1277.4	1233.2	1199.4	1184.1	1184.1	1185.7	1194.3	1199.4
45°	1263.8	1173.9	1089.0	1016.1	955.0	910.9	890.6	885.5	883.8	887.2	899.0
47.5°	1092.5	999.2	910.9	821.1	756.6	712.5	693.8	687.0	680.2	687.0	688.7
50°	958.5	861.8	768.5	678.5	610.7	571.6	547.9	537.7	536.0	536.0	539.5
52.5°	836.3	746.4	653.1	561.5	490.2	452.9	430.9	425.8	419.0	425.8	425.8
55°	720.9	631.1	539.5	452.9	393.5	354.6	334.2	327.4	324.0	329.1	329.1
57.5°	595.5	519.1	434.3	356.2	296.9	269.7	254.4	246.0	244.2	247.7	244.2
60°	488.6	424.1	351.1	279.9	234.1	205.3	193.4	190.0	186.6	190.0	190.0
62.5°	386.8	332.5	273.1	218.8	179.8	159.5	145.9	145.9	144.2	144.2	145.9
65°	286.7	244.2	201.9	156.1	125.5	110.3	100.1	100.1	98.4	100.1	98.4
67.5°	208.6	179.8	145.9	113.7	89.9	81.4	74.6	69.5	73.0	69.5	67.9
70°	152.7	128.9	105.2	86.5	69.5	61.1	56.0	54.3	50.9	50.9	50.9
72.5°	101.8	86.5	71.2	56.0	45.8	37.3	35.6	32.3	28.8	30.5	33.9
75°	67.9	57.7	50.9	40.7	30.5	30.5	20.4	20.4	17.0	20.4	15.3
77.5°	47.5	39.0	30.5	25.4	20.4	18.6	13.5	13.5	11.9	11.9	11.9
80°	33.9	28.8	22.1	18.6	13.5	13.5	11.9	10.2	8.4	8.4	10.2
82.5°	20.4	15.3	15.3	13.5	8.4	6.8	5.1	6.8	3.4	3.4	3.4
85°	11.9	10.2	8.4	5.1	3.4	3.4	1.7	0.0	1.7	1.7	0.0
87.5°	6.8	3.4	3.4	1.7	0.0	1.7	1.7	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°	3474.1	3474.1	3474.1	3474.1	3474.1	3474.1	3474.1	3474.1	3474.1	3474.1	3474.1
2.5°	3494.5	3492.8	3496.2	3496.2	3506.4	3504.7	3509.8	3509.8	3506.4	3508.1	3514.9
5°	3506.4	3511.5	3521.6	3530.1	3545.4	3552.2	3560.7	3569.2	3570.9	3576.0	3581.0
7.5°	3506.4	3523.4	3535.2	3550.5	3570.9	3582.7	3601.4	3616.7	3623.4	3631.9	3642.1
10°	3499.6	3516.5	3538.6	3555.6	3581.0	3599.7	3618.3	3642.1	3652.3	3665.8	3679.4
12.5°	3486.0	3504.7	3528.4	3550.5	3579.3	3596.3	3620.0	3642.1	3657.4	3676.0	3691.3
15°	3465.7	3487.7	3509.8	3531.8	3562.3	3582.7	3604.8	3630.2	3645.5	3665.8	3679.4
17.5°	3433.4	3457.2	3477.6	3497.9	3526.7	3550.5	3570.9	3594.6	3609.9	3626.9	3645.5
20°	3394.4	3416.5	3438.5	3455.5	3484.3	3504.7	3526.7	3548.8	3560.7	3564.1	3592.9
22.5°	3345.3	3360.5	3377.4	3404.6	3421.6	3440.2	3460.6	3480.9	3492.8	3511.5	3521.6
25°	3263.8	3279.1	3297.7	3309.6	3330.0	3345.3	3365.6	3387.6	3394.4	3408.0	3418.1
27.5°	3150.2	3158.6	3167.1	3177.3	3189.1	3197.6	3209.5	3219.7	3226.5	3233.3	3240.0
30°	2970.3	2970.3	2970.3	2963.5	2968.6	2973.7	2975.4	2973.7	2973.7	2972.0	2972.0
32.5°	2732.8	2719.3	2704.0	2690.4	2685.3	2678.6	2675.2	2670.1	2661.6	2656.5	2658.2
35°	2412.2	2381.7	2363.0	2346.1	2332.5	2322.3	2317.2	2312.1	2310.5	2303.7	2296.8
37.5°	2011.9	1989.8	1976.3	1966.1	1954.2	1944.0	1945.7	1947.5	1952.5	1949.1	1950.8
40°	1587.8	1582.7	1587.8	1575.9	1572.5	1575.9	1584.4	1596.3	1603.1	1609.9	1621.7
42.5°	1207.8	1216.3	1228.2	1228.2	1233.2	1240.1	1250.2	1268.9	1279.0	1290.9	1304.5
45°	909.2	919.4	934.7	939.8	943.2	951.6	963.6	978.8	985.6	995.8	1007.6
47.5°	700.6	707.4	715.8	724.4	732.8	736.2	748.1	748.1	756.6	763.4	766.7
50°	546.2	553.0	559.8	564.9	568.3	573.4	576.7	581.8	583.5	586.9	588.6
52.5°	427.5	436.0	436.0	439.3	444.4	449.5	447.8	449.5	451.2	451.2	456.3
55°	334.2	334.2	339.3	339.3	342.7	340.9	342.7	342.7	342.7	342.7	344.4
57.5°	249.3	251.1	256.2	252.8	251.1	254.4	251.1	254.4	252.8	256.2	251.1
60°	191.7	191.7	193.4	193.4	195.1	195.1	195.1	193.4	193.4	191.7	191.7
62.5°	144.2	145.9	147.6	145.9	145.9	145.9	144.2	144.2	142.5	140.8	140.8
65°	96.7	95.0	98.4	95.0	96.7	96.7	95.0	96.7	91.6	93.3	91.6
67.5°	69.5	67.9	66.2	67.9	66.2	64.4	64.4	66.2	67.9	62.8	62.8
70°	45.8	47.5	45.8	47.5	49.2	49.2	47.5	45.8	47.5	44.1	45.8
72.5°	28.8	28.8	28.8	28.8	28.8	30.5	30.5	30.5	27.2	27.2	25.4
75°	13.5	18.6	15.3	13.5	18.6	18.6	17.0	17.0	15.3	15.3	15.3
77.5°	13.5	10.2	10.2	10.2	10.2	10.2	10.2	10.2	8.4	10.2	8.4
80°	6.8	6.8	6.8	5.1	6.8	6.8	8.4	6.8	6.8	5.1	8.4
82.5°	3.4	3.4	3.4	0.0	1.7	3.4	3.4	1.7	3.4	3.4	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: P248542

CATALOG NUMBER: LD8B60D010 ER8B60827 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3474.1	3474.1	3474.1	3474.1	3474.1	3474.1	3474.1	3474.1	3474.1	3474.1	3474.1
2.5°	3513.2	3511.5	3513.2	3514.9	3513.2	3511.5	3513.2	3514.9	3508.1	3506.4	3509.8
5°	3587.8	3587.8	3591.2	3592.9	3591.2	3587.8	3587.8	3581.0	3576.0	3570.9	3569.2
7.5°	3652.3	3655.7	3659.0	3660.7	3659.0	3655.7	3652.3	3642.1	3631.9	3623.4	3616.7
10°	3691.3	3696.4	3703.2	3706.5	3703.2	3696.4	3691.3	3679.4	3665.8	3652.3	3642.1
12.5°	3708.3	3713.4	3721.8	3720.1	3721.8	3713.4	3708.3	3691.3	3676.0	3657.4	3642.1
15°	3696.4	3703.2	3711.6	3715.0	3711.6	3703.2	3696.4	3679.4	3665.8	3645.5	3630.2
17.5°	3659.0	3669.2	3674.3	3679.4	3674.3	3669.2	3659.0	3645.5	3626.9	3609.9	3594.6
20°	3608.1	3615.0	3621.8	3623.4	3621.8	3615.0	3608.1	3592.9	3564.1	3560.7	3548.8
22.5°	3535.2	3540.3	3555.6	3550.5	3555.6	3540.3	3535.2	3521.6	3511.5	3492.8	3480.9
25°	3430.0	3435.1	3436.9	3438.5	3436.9	3435.1	3430.0	3418.1	3408.0	3394.4	3387.6
27.5°	3248.5	3248.5	3251.9	3253.6	3251.9	3248.5	3248.5	3240.0	3233.3	3226.5	3219.7
30°	2973.7	2973.7	2973.7	2982.2	2973.7	2973.7	2973.7	2972.0	2972.0	2973.7	2973.7
32.5°	2656.5	2653.1	2649.7	2653.1	2649.7	2653.1	2656.5	2658.2	2656.5	2661.6	2670.1
35°	2296.8	2295.2	2300.3	2293.5	2300.3	2295.2	2296.8	2296.8	2303.7	2310.5	2312.1
37.5°	1952.5	1949.1	1955.9	1949.1	1955.9	1949.1	1952.5	1950.8	1949.1	1952.5	1947.5
40°	1625.1	1628.5	1628.5	1642.1	1628.5	1628.5	1625.1	1621.7	1609.9	1603.1	1596.3
42.5°	1311.3	1321.5	1318.1	1328.3	1318.1	1321.5	1311.3	1304.5	1290.9	1279.0	1268.9
45°	1014.4	1021.2	1021.2	1024.6	1021.2	1021.2	1014.4	1007.6	995.8	985.6	978.8
47.5°	778.6	778.6	778.6	780.3	778.6	778.6	778.6	766.7	763.4	756.6	748.1
50°	592.0	593.7	595.5	597.1	595.5	593.7	592.0	588.6	586.9	583.5	581.8
52.5°	454.6	456.3	452.9	456.3	452.9	456.3	454.6	456.3	451.2	451.2	449.5
55°	344.4	342.7	344.4	346.0	344.4	342.7	344.4	344.4	342.7	342.7	342.7
57.5°	252.8	249.3	249.3	249.3	249.3	249.3	252.8	251.1	256.2	252.8	254.4
60°	188.3	190.0	190.0	191.7	190.0	190.0	188.3	191.7	191.7	193.4	193.4
62.5°	139.1	144.2	140.8	144.2	140.8	144.2	139.1	140.8	140.8	142.5	144.2
65°	89.9	89.9	89.9	91.6	89.9	89.9	89.9	91.6	93.3	91.6	96.7
67.5°	61.1	62.8	66.2	64.4	66.2	62.8	61.1	62.8	62.8	67.9	66.2
70°	49.2	44.1	44.1	49.2	44.1	44.1	49.2	45.8	44.1	47.5	45.8
72.5°	28.8	25.4	28.8	28.8	28.8	25.4	28.8	25.4	27.2	27.2	30.5
75°	15.3	13.5	11.9	17.0	11.9	13.5	15.3	15.3	15.3	15.3	17.0
77.5°	10.2	8.4	11.9	11.9	11.9	8.4	10.2	8.4	10.2	8.4	10.2
80°	5.1	6.8	5.1	8.4	5.1	6.8	5.1	8.4	5.1	6.8	6.8
82.5°	1.7	3.4	3.4	3.4	3.4	3.4	1.7	1.7	3.4	3.4	1.7
85°	0.0	3.4	1.7	1.7	1.7	3.4	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: P248542

CATALOG NUMBER: LD8B60D010 ER8B60827 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3474.1	3474.1	3474.1	3474.1	3474.1	3474.1	3474.1	3474.1	3474.1	3474.1	3474.1
2.5°	3509.8	3504.7	3506.4	3496.2	3496.2	3492.8	3494.5	3486.0	3482.7	3479.2	3484.3
5°	3560.7	3552.2	3545.4	3530.1	3521.6	3511.5	3506.4	3492.8	3480.9	3470.7	3469.0
7.5°	3601.4	3582.7	3570.9	3550.5	3535.2	3523.4	3506.4	3487.7	3472.5	3458.9	3448.7
10°	3618.3	3599.7	3581.0	3555.6	3538.6	3516.5	3499.6	3475.8	3455.5	3436.9	3424.9
12.5°	3620.0	3596.3	3579.3	3550.5	3528.4	3504.7	3486.0	3458.9	3435.1	3416.5	3397.8
15°	3604.8	3582.7	3562.3	3531.8	3509.8	3487.7	3465.7	3436.9	3414.8	3392.7	3379.2
17.5°	3570.9	3550.5	3526.7	3497.9	3477.6	3457.2	3433.4	3409.7	3384.2	3360.5	3343.5
20°	3526.7	3504.7	3484.3	3455.5	3438.5	3416.5	3394.4	3369.0	3348.6	3324.9	3306.2
22.5°	3460.6	3440.2	3421.6	3404.6	3377.4	3360.5	3345.3	3316.4	3296.0	3274.0	3253.6
25°	3365.6	3345.3	3330.0	3309.6	3297.7	3279.1	3263.8	3238.4	3219.7	3199.3	3182.4
27.5°	3209.5	3197.6	3189.1	3177.3	3167.1	3158.6	3150.2	3129.8	3116.2	3097.6	3080.6
30°	2975.4	2973.7	2968.6	2963.5	2970.3	2970.3	2970.3	2966.9	2955.1	2941.5	2929.6
32.5°	2675.2	2678.6	2685.3	2690.4	2704.0	2719.3	2732.8	2739.6	2739.6	2731.2	2726.1
35°	2317.2	2322.3	2332.5	2346.1	2363.0	2381.7	2412.2	2419.0	2424.1	2424.1	2417.3
37.5°	1945.7	1944.0	1954.2	1966.1	1976.3	1989.8	2011.9	2017.0	2025.4	2022.1	2015.3
40°	1584.4	1575.9	1572.5	1575.9	1587.8	1582.7	1587.8	1584.4	1584.4	1572.5	1572.5
42.5°	1250.2	1240.1	1233.2	1228.2	1228.2	1216.3	1207.8	1199.4	1194.3	1185.7	1184.1
45°	963.6	951.6	943.2	939.8	934.7	919.4	909.2	899.0	887.2	883.8	885.5
47.5°	748.1	736.2	732.8	724.4	715.8	707.4	700.6	688.7	687.0	680.2	687.0
50°	576.7	573.4	568.3	564.9	559.8	553.0	546.2	539.5	536.0	536.0	537.7
52.5°	447.8	449.5	444.4	439.3	436.0	436.0	427.5	425.8	425.8	419.0	425.8
55°	342.7	340.9	342.7	339.3	339.3	334.2	334.2	329.1	329.1	324.0	327.4
57.5°	251.1	254.4	251.1	252.8	256.2	251.1	249.3	244.2	247.7	244.2	246.0
60°	195.1	195.1	195.1	193.4	193.4	191.7	191.7	190.0	190.0	186.6	190.0
62.5°	144.2	145.9	145.9	145.9	147.6	145.9	144.2	145.9	144.2	144.2	145.9
65°	95.0	96.7	96.7	95.0	98.4	95.0	96.7	98.4	100.1	98.4	100.1
67.5°	64.4	64.4	66.2	67.9	66.2	67.9	69.5	67.9	69.5	73.0	69.5
70°	47.5	49.2	49.2	47.5	45.8	47.5	45.8	50.9	50.9	50.9	54.3
72.5°	30.5	30.5	28.8	28.8	28.8	28.8	28.8	33.9	30.5	28.8	32.3
75°	17.0	18.6	18.6	13.5	15.3	18.6	13.5	15.3	20.4	17.0	20.4
77.5°	10.2	10.2	10.2	10.2	10.2	10.2	13.5	11.9	11.9	11.9	13.5
80°	8.4	6.8	6.8	5.1	6.8	6.8	6.8	10.2	8.4	8.4	10.2
82.5°	3.4	3.4	1.7	0.0	3.4	3.4	3.4	3.4	3.4	3.4	6.8
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	3.4	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: P248542

CATALOG NUMBER: LD8B60D010 ER8B60827 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3474.1	3474.1	3474.1	3474.1	3474.1	3474.1	3474.1	3474.1	3474.1	3474.1	3474.1
2.5°	3470.7	3470.7	3469.0	3465.7	3458.9	3458.9	3457.2	3452.1	3448.7	3447.0	3447.0
5°	3453.8	3447.0	3440.2	3421.6	3421.6	3418.1	3408.0	3401.2	3397.8	3389.3	3386.0
7.5°	3438.5	3418.1	3406.3	3394.4	3379.2	3372.3	3360.5	3355.4	3343.5	3335.1	3330.0
10°	3401.2	3387.6	3372.3	3353.7	3341.8	3328.3	3314.7	3304.5	3289.3	3280.7	3274.0
12.5°	3375.8	3355.4	3341.8	3321.4	3301.1	3289.3	3270.6	3258.7	3243.4	3226.5	3216.3
15°	3352.0	3330.0	3311.3	3289.3	3267.2	3253.6	3231.6	3218.0	3196.0	3179.0	3167.1
17.5°	3316.4	3297.7	3277.4	3250.2	3229.9	3212.9	3189.1	3172.2	3151.8	3129.8	3117.9
20°	3279.1	3257.0	3236.7	3209.5	3189.1	3168.8	3145.1	3126.4	3102.6	3082.3	3068.8
22.5°	3229.9	3204.4	3187.5	3160.3	3136.5	3114.6	3092.5	3070.4	3048.4	3031.4	3016.1
25°	3158.6	3131.5	3112.8	3090.7	3068.8	3051.8	3024.6	3011.1	2989.0	2973.7	2958.4
27.5°	3056.8	3036.5	3019.5	2997.5	2978.8	2965.3	2944.9	2931.3	2912.6	2899.1	2887.2
30°	2907.6	2890.6	2875.3	2853.3	2839.7	2827.9	2809.1	2797.3	2783.7	2768.4	2765.1
32.5°	2707.4	2693.8	2678.6	2663.3	2653.1	2646.3	2631.0	2624.3	2610.7	2602.2	2593.7
35°	2405.4	2393.6	2385.1	2378.3	2374.9	2376.6	2373.2	2380.0	2383.4	2381.7	2383.4
37.5°	2010.2	2003.4	2006.8	2011.9	2028.9	2050.9	2071.2	2101.8	2122.2	2142.5	2161.2
40°	1569.1	1574.2	1587.8	1618.3	1662.4	1711.7	1757.5	1815.1	1872.8	1913.5	1950.8
42.5°	1184.1	1199.4	1233.2	1277.4	1343.5	1416.4	1487.7	1572.5	1642.1	1709.9	1757.5
45°	890.6	910.9	955.0	1016.1	1089.0	1173.9	1263.8	1358.8	1441.9	1511.5	1564.1
47.5°	693.8	712.5	756.6	821.1	910.9	999.2	1092.5	1190.8	1277.4	1345.2	1391.0
50°	547.9	571.6	610.7	678.5	768.5	861.8	958.5	1055.1	1136.6	1194.3	1235.0
52.5°	430.9	452.9	490.2	561.5	653.1	746.4	836.3	931.3	1002.5	1058.5	1085.7
55°	334.2	354.6	393.5	452.9	539.5	631.1	720.9	802.4	868.5	909.2	934.7
57.5°	254.4	269.7	296.9	356.2	434.3	519.1	595.5	676.9	727.8	756.6	773.5
60°	193.4	205.3	234.1	279.9	351.1	424.1	488.6	549.7	590.4	614.1	631.1
62.5°	145.9	159.5	179.8	218.8	273.1	332.5	386.8	432.6	466.5	481.8	493.7
65°	100.1	110.3	125.5	156.1	201.9	244.2	286.7	320.6	342.7	359.7	366.4
67.5°	74.6	81.4	89.9	113.7	145.9	179.8	208.6	232.4	256.2	263.0	274.8
70°	56.0	61.1	69.5	86.5	105.2	128.9	152.7	166.3	183.2	195.1	198.5
72.5°	35.6	37.3	45.8	56.0	71.2	86.5	101.8	113.7	123.9	130.6	134.0
75°	20.4	30.5	30.5	40.7	50.9	57.7	67.9	76.3	81.4	86.5	86.5
77.5°	13.5	18.6	20.4	25.4	30.5	39.0	47.5	52.6	57.7	59.4	59.4
80°	11.9	13.5	13.5	18.6	22.1	28.8	33.9	35.6	39.0	40.7	44.1
82.5°	5.1	6.8	8.4	13.5	15.3	15.3	20.4	22.1	25.4	27.2	27.2
85°	1.7	3.4	3.4	5.1	8.4	10.2	11.9	13.5	15.3	15.3	17.0
87.5°	1.7	1.7	0.0	1.7	3.4	3.4	6.8	6.8	6.8	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: P248542

CATALOG NUMBER: LD8B60D010 ER8B60827 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	3474.1	3474.1	3474.1	3474.1	3474.1	3474.1	3474.1
2.5°	3443.6	3445.3	3438.5	3436.9	3433.4	3435.1	3438.5
5°	3380.9	3382.5	3375.8	3369.0	3369.0	3367.2	3369.0
7.5°	3321.4	3323.2	3313.0	3309.6	3302.8	3304.5	3304.5
10°	3262.1	3262.1	3246.9	3245.1	3240.0	3238.4	3238.4
12.5°	3204.4	3199.3	3187.5	3180.7	3184.1	3173.9	3173.9
15°	3153.5	3145.1	3129.8	3124.7	3116.2	3112.8	3112.8
17.5°	3100.9	3094.2	3080.6	3070.4	3060.2	3058.6	3060.2
20°	3050.0	3043.3	3026.3	3019.5	3011.1	3011.1	3007.7
22.5°	2999.1	2992.4	2977.1	2972.0	2960.2	2960.2	2961.9
25°	2946.6	2941.5	2924.5	2921.1	2919.5	2912.6	2916.0
27.5°	2875.3	2871.9	2858.4	2853.3	2846.5	2844.8	2848.2
30°	2744.7	2739.6	2729.5	2724.4	2712.5	2714.2	2717.5
32.5°	2581.9	2575.1	2561.5	2556.4	2546.3	2542.8	2544.5
35°	2378.3	2373.2	2361.4	2361.4	2351.2	2347.8	2351.2
37.5°	2171.4	2176.4	2171.4	2176.4	2171.4	2169.6	2171.4
40°	1976.3	1994.9	1998.3	2017.0	2010.2	2020.3	2018.7
42.5°	1789.7	1820.2	1832.1	1847.3	1844.0	1850.7	1855.8
45°	1601.3	1626.8	1638.7	1648.9	1650.6	1654.0	1655.7
47.5°	1423.2	1443.6	1445.3	1457.2	1455.5	1455.5	1460.6
50°	1257.0	1270.6	1273.9	1282.5	1275.7	1272.3	1273.9
52.5°	1102.7	1116.2	1112.8	1116.2	1107.8	1104.3	1106.0
55°	944.9	951.6	951.6	951.6	941.5	941.5	941.5
57.5°	783.7	785.4	782.0	783.7	782.0	771.8	770.2
60°	636.2	636.2	634.4	636.2	631.1	626.0	626.0
62.5°	497.0	500.4	507.2	500.4	497.0	500.4	495.3
65°	371.5	378.3	376.6	380.0	378.3	378.3	374.9
67.5°	279.9	281.6	283.3	285.0	285.0	285.0	285.0
70°	205.3	210.4	208.6	208.6	208.6	208.6	218.8
72.5°	137.4	144.2	142.5	145.9	145.9	149.3	145.9
75°	93.3	100.1	96.7	101.8	100.1	96.7	105.2
77.5°	62.8	66.2	67.9	69.5	67.9	66.2	67.9
80°	44.1	47.5	45.8	47.5	47.5	47.5	49.2
82.5°	27.2	32.3	30.5	32.3	30.5	32.3	32.3
85°	18.6	20.4	17.0	20.4	18.6	18.6	22.1
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)