

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: P248578

Luminaire Tested: **LD8B60D010 ER8B60850 8LBSW0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P248578  
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 ER8B60850 8LBSW0H  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
80 CRI 5000 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6318.0 lumens  
Efficiency: N/A  
Efficacy: 106.2 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

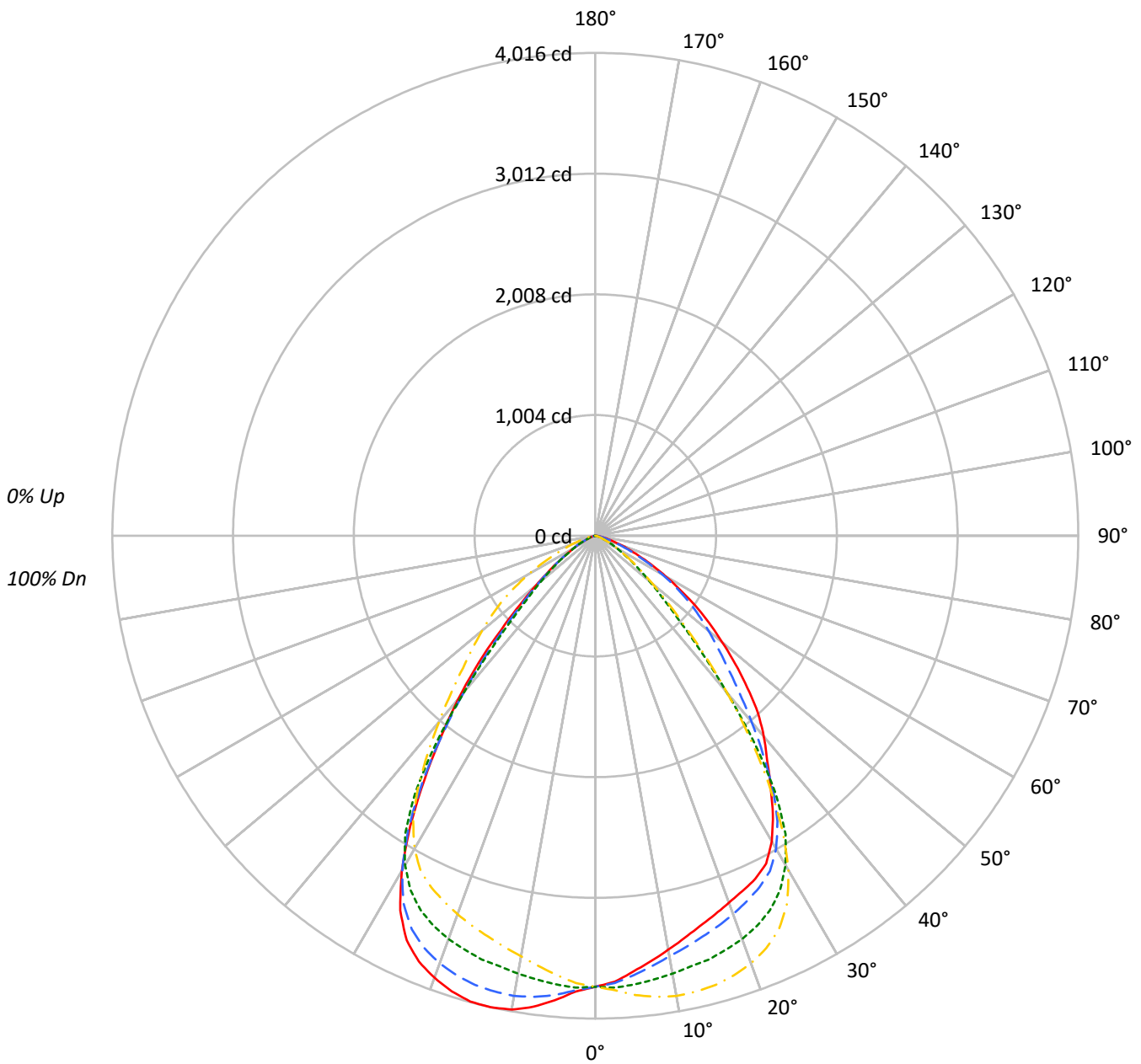
Input Watts (W): 59.5  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P248578

CATALOG NUMBER: LD8B60D010 ER8B60850 8LBSW0H

### Luminous Intensity Polar Plot



— 0°-180°    - - 45°-225°    - - - 90°-270°    - - - 135°-315°



TEST NUMBER: P248578

CATALOG NUMBER: LD8B60D010 ER8B60850 8LBSW0H

**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°	115661	115661	115661	115661
5°	112589	115932	120071	115932
10°	109473	115782	125301	115782
15°	107287	116469	128044	116469
20°	106558	117134	128374	117134
25°	107118	116900	126311	116900
30°	104467	112620	114643	112620
35°	95556	98244	93211	98244
40°	87729	68339	71366	68339
45°	77951	41690	48240	41690
50°	65982	27848	30928	27848
55°	54649	19005	20085	19005
60°	41678	12649	12760	12649
65°	29529	7880	7216	7880
70°	21305	5283	4787	5283
75°	13523	2621	2180	2621
80°	9429	1953	1616	1953
85°	8421	0	637	0



TEST NUMBER: P248578

CATALOG NUMBER: LD8B60D010 ER8B60850 8LBSW0H

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	357.0	5.7
10°-20°	1033.8	16.4
20°-30°	1565.4	24.8
30°-40°	1568.9	24.8
40°-50°	985.2	15.6
50°-60°	525.0	8.3
60°-70°	215.9	3.4
70°-80°	57.0	0.9
80°-90°	9.6	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°	2956.2	46.8
0°-40°	4525.2	71.6
0°-60°	6035.4	95.5
0°-90°	6318.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6318.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3751	3751	3751	3751	3751	
5°	3637	3745	3879	3745	3637	343
15°	3361	3648	4011	3648	3361	950
25°	3148	3436	3712	3436	3148	1444
35°	2538	2610	2476	2610	2538	1590
45°	1788	956	1106	956	1788	1375
55°	1016	354	374	354	1016	906
65°	405	108	99	108	405	420
75°	114	22	18	22	114	129
85°	24	0	2	0	24	26
90°	0	0	0	0	0	



TEST NUMBER: P248578

CATALOG NUMBER: LD8B60D010 ER8B60850 8LBSW0H

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	3750.8	3750.8	3750.8	3750.8	3750.8	3750.8	3750.8	3750.8	3750.8	3750.8	3750.8
2.5°	3712.4	3708.7	3706.8	3710.5	3712.4	3719.7	3717.9	3721.5	3721.5	3723.4	3727.0
5°	3637.3	3635.4	3637.3	3637.3	3644.6	3651.9	3650.1	3655.6	3659.2	3668.4	3672.0
7.5°	3567.7	3567.7	3565.8	3573.1	3576.8	3587.8	3585.9	3595.1	3600.6	3609.8	3622.6
10°	3496.2	3496.2	3498.0	3503.5	3505.4	3521.9	3521.9	3534.7	3542.0	3551.2	3567.7
12.5°	3426.6	3426.6	3437.7	3434.0	3441.3	3454.1	3459.6	3472.4	3483.4	3501.7	3518.2
15°	3360.7	3360.7	3364.4	3373.5	3379.0	3395.5	3404.6	3419.3	3432.1	3450.5	3474.3
17.5°	3303.9	3302.1	3303.9	3314.9	3325.9	3340.6	3347.9	3366.2	3379.0	3402.8	3424.8
20°	3247.2	3250.9	3250.9	3260.0	3267.3	3285.6	3292.9	3313.1	3327.7	3349.7	3375.4
22.5°	3197.7	3195.9	3195.9	3208.7	3214.2	3230.6	3238.0	3256.3	3272.8	3291.1	3314.9
25°	3148.3	3144.6	3151.9	3153.8	3157.4	3175.7	3181.2	3194.0	3210.5	3227.0	3250.9
27.5°	3075.0	3071.4	3073.2	3080.5	3086.0	3100.6	3104.3	3117.1	3129.9	3144.6	3164.8
30°	2933.9	2930.3	2928.5	2941.3	2946.8	2957.8	2963.3	2985.3	2988.9	3005.4	3020.0
32.5°	2747.1	2745.3	2749.0	2760.0	2765.5	2780.2	2787.5	2800.3	2809.4	2818.6	2833.2
35°	2538.4	2534.7	2538.4	2549.4	2549.4	2562.2	2567.7	2573.2	2571.3	2573.2	2569.5
37.5°	2344.3	2342.4	2344.3	2349.7	2344.3	2349.7	2344.3	2333.3	2313.2	2291.1	2269.1
40°	2179.4	2181.2	2170.3	2177.6	2157.4	2153.8	2133.7	2106.1	2065.9	2021.9	1959.7
42.5°	2003.6	1998.1	1990.8	1994.4	1978.0	1965.1	1932.2	1897.4	1846.1	1772.9	1697.7
45°	1787.5	1785.7	1782.0	1780.2	1769.2	1756.4	1728.9	1688.6	1631.8	1556.8	1467.0
47.5°	1576.9	1571.4	1571.4	1573.2	1560.4	1558.6	1536.5	1501.8	1452.3	1379.1	1285.7
50°	1375.4	1373.6	1377.3	1384.6	1375.4	1371.8	1357.1	1333.3	1289.4	1227.1	1139.1
52.5°	1194.1	1192.3	1196.0	1205.1	1201.4	1205.1	1190.5	1172.1	1142.8	1082.4	1005.5
55°	1016.5	1016.5	1016.5	1027.4	1027.4	1027.4	1020.1	1009.2	981.6	937.7	866.3
57.5°	831.5	833.3	844.3	846.1	844.3	848.0	846.1	835.1	816.9	785.7	730.8
60°	675.8	675.8	681.3	686.8	684.9	686.8	686.8	681.3	663.0	637.4	593.4
62.5°	534.8	540.3	536.6	540.3	547.6	540.3	536.6	533.0	520.1	503.6	467.0
65°	404.7	408.4	408.4	410.2	406.5	408.4	401.1	395.6	388.3	370.0	346.2
67.5°	307.7	307.7	307.7	307.7	305.8	304.0	302.2	296.7	283.9	276.6	250.9
70°	236.3	225.2	225.2	225.2	225.2	227.1	221.6	214.3	210.6	197.8	179.5
72.5°	157.5	161.2	157.5	157.5	153.9	155.7	148.4	144.7	141.0	133.7	122.7
75°	113.5	104.4	108.0	109.9	104.4	108.0	100.7	93.4	93.4	87.9	82.4
77.5°	73.3	71.5	73.3	75.1	73.3	71.5	67.8	64.1	64.1	62.3	56.8
80°	53.1	51.3	51.3	51.3	49.5	51.3	47.6	47.6	43.9	42.1	38.4
82.5°	34.8	34.8	32.9	34.8	32.9	34.8	29.3	29.3	29.3	27.4	23.8
85°	23.8	20.1	20.1	22.0	18.3	22.0	20.1	18.3	16.5	16.5	14.6
87.5°	11.0	12.8	11.0	12.8	11.0	11.0	12.8	11.0	11.0	7.3	7.3
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: P248578

CATALOG NUMBER: LD8B60D010 ER8B60850 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	3750.8	3750.8	3750.8	3750.8	3750.8	3750.8	3750.8	3750.8	3750.8	3750.8	3750.8
2.5°	3732.5	3734.3	3734.3	3741.7	3745.3	3747.1	3747.1	3761.8	3756.3	3760.0	3763.6
5°	3679.4	3690.3	3694.0	3694.0	3714.2	3721.5	3728.8	3745.3	3747.1	3758.1	3770.9
7.5°	3628.1	3640.9	3648.3	3664.7	3677.5	3690.3	3712.4	3723.4	3734.3	3749.0	3765.4
10°	3578.6	3593.3	3607.9	3620.8	3640.9	3657.4	3672.0	3697.7	3710.5	3730.7	3752.6
12.5°	3531.1	3551.2	3564.0	3585.9	3607.9	3622.6	3644.6	3668.4	3688.5	3708.7	3734.3
15°	3488.9	3512.7	3527.4	3551.2	3575.0	3595.1	3619.0	3648.3	3662.9	3686.7	3710.5
17.5°	3443.1	3468.8	3487.1	3509.0	3538.4	3560.3	3580.5	3609.8	3628.1	3653.7	3681.2
20°	3395.5	3421.1	3443.1	3465.1	3494.4	3516.4	3540.2	3569.5	3589.6	3615.3	3637.3
22.5°	3338.7	3362.6	3386.3	3411.9	3441.3	3459.6	3487.1	3512.7	3534.7	3558.5	3580.5
25°	3265.5	3294.8	3313.1	3336.9	3360.7	3380.8	3410.1	3435.8	3454.1	3476.1	3496.2
27.5°	3179.4	3201.4	3216.0	3236.2	3260.0	3278.3	3300.2	3325.9	3344.3	3364.4	3379.0
30°	3032.8	3053.0	3065.9	3080.5	3104.3	3120.8	3139.1	3162.9	3175.7	3190.4	3203.2
32.5°	2840.5	2857.0	2864.4	2875.4	2891.9	2908.3	2923.0	2943.1	2948.6	2957.8	2957.8
35°	2562.2	2565.8	2564.0	2567.7	2575.0	2584.2	2597.0	2609.8	2617.1	2617.1	2611.7
37.5°	2236.2	2214.2	2190.4	2172.1	2166.6	2162.9	2170.3	2175.7	2183.1	2186.7	2177.6
40°	1897.4	1848.0	1794.8	1747.2	1714.2	1699.6	1694.1	1697.7	1697.7	1710.5	1710.5
42.5°	1606.2	1529.2	1450.5	1379.1	1331.4	1294.9	1278.4	1278.4	1280.2	1289.4	1294.9
45°	1364.4	1267.4	1175.8	1097.1	1031.1	983.5	961.5	956.0	954.2	957.8	970.6
47.5°	1179.5	1078.7	983.5	886.4	816.9	769.2	749.1	741.7	734.4	741.7	743.6
50°	1034.8	930.4	829.7	732.6	659.3	617.2	591.5	580.5	578.7	578.7	582.4
52.5°	902.9	805.9	705.1	606.2	529.3	489.0	465.2	459.7	452.4	459.7	459.7
55°	778.3	681.3	582.4	489.0	424.9	382.8	360.8	353.5	349.8	355.3	355.3
57.5°	642.9	560.4	468.9	384.6	320.5	291.2	274.7	265.6	263.7	267.4	263.7
60°	527.5	457.9	379.1	302.2	252.8	221.6	208.8	205.1	201.4	205.1	205.1
62.5°	417.6	359.0	294.8	236.3	194.1	172.2	157.5	157.5	155.7	155.7	157.5
65°	309.5	263.7	217.9	168.5	135.5	119.0	108.0	108.0	106.2	108.0	106.2
67.5°	225.2	194.1	157.5	122.7	97.1	87.9	80.6	75.1	78.8	75.1	73.3
70°	164.9	139.2	113.5	93.4	75.1	66.0	60.5	58.6	55.0	55.0	55.0
72.5°	109.9	93.4	76.9	60.5	49.5	40.3	38.4	34.8	31.1	32.9	36.6
75°	73.3	62.3	55.0	43.9	32.9	32.9	22.0	22.0	18.3	22.0	16.5
77.5°	51.3	42.1	32.9	27.4	22.0	20.1	14.6	14.6	12.8	12.8	12.8
80°	36.6	31.1	23.8	20.1	14.6	14.6	12.8	11.0	9.1	9.1	11.0
82.5°	22.0	16.5	16.5	14.6	9.1	7.3	5.5	7.3	3.7	3.7	3.7
85°	12.8	11.0	9.1	5.5	3.7	3.7	1.8	0.0	1.8	1.8	0.0
87.5°	7.3	3.7	3.7	1.8	0.0	1.8	1.8	0.0	0.0	0.0	3.7
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: P248578

CATALOG NUMBER: LD8B60D010 ER8B60850 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	3750.8	3750.8	3750.8	3750.8	3750.8	3750.8	3750.8	3750.8	3750.8	3750.8	3750.8
2.5°	3772.8	3770.9	3774.6	3774.6	3785.6	3783.7	3789.2	3789.2	3785.6	3787.4	3794.7
5°	3785.6	3791.1	3802.1	3811.3	3827.7	3835.1	3844.2	3853.4	3855.2	3860.7	3866.2
7.5°	3785.6	3803.9	3816.8	3833.2	3855.2	3868.0	3888.1	3904.7	3912.0	3921.1	3932.1
10°	3778.2	3796.6	3820.4	3838.7	3866.2	3886.3	3906.5	3932.1	3943.1	3957.7	3972.4
12.5°	3763.6	3783.7	3809.4	3833.2	3864.3	3882.6	3908.3	3932.1	3948.6	3968.7	3985.2
15°	3741.7	3765.4	3789.2	3813.1	3846.0	3868.0	3891.8	3919.3	3935.8	3957.7	3972.4
17.5°	3706.8	3732.5	3754.5	3776.4	3807.6	3833.2	3855.2	3880.8	3897.3	3915.7	3935.8
20°	3664.7	3688.5	3712.4	3730.7	3761.8	3783.7	3807.6	3831.4	3844.2	3847.9	3879.0
22.5°	3611.6	3628.1	3646.4	3675.7	3694.0	3714.2	3736.2	3758.1	3770.9	3791.1	3802.1
25°	3523.7	3540.2	3560.3	3573.1	3595.1	3611.6	3633.6	3657.4	3664.7	3679.4	3690.3
27.5°	3401.0	3410.1	3419.3	3430.3	3443.1	3452.3	3465.1	3476.1	3483.4	3490.7	3498.0
30°	3206.8	3206.8	3206.8	3199.5	3205.0	3210.5	3212.3	3210.5	3210.5	3208.7	3208.7
32.5°	2950.4	2935.8	2919.3	2904.7	2899.2	2891.9	2888.2	2882.7	2873.6	2868.1	2869.9
35°	2604.3	2571.3	2551.2	2532.9	2518.3	2507.3	2501.8	2496.3	2494.5	2487.1	2479.8
37.5°	2172.1	2148.3	2133.7	2122.7	2109.8	2098.8	2100.6	2102.5	2108.0	2104.3	2106.1
40°	1714.2	1708.7	1714.2	1701.4	1697.7	1701.4	1710.5	1723.4	1730.7	1738.0	1750.9
42.5°	1304.0	1313.1	1326.0	1326.0	1331.4	1338.8	1349.7	1369.9	1380.9	1393.7	1408.4
45°	981.6	992.7	1009.2	1014.6	1018.3	1027.4	1040.3	1056.7	1064.0	1075.0	1087.9
47.5°	756.4	763.7	772.8	782.0	791.2	794.8	807.7	807.7	816.9	824.2	827.8
50°	589.7	597.0	604.4	609.9	613.5	619.1	622.7	628.2	630.0	633.7	635.5
52.5°	461.5	470.7	470.7	474.3	479.8	485.3	483.5	485.3	487.1	487.1	492.6
55°	360.8	360.8	366.3	366.3	370.0	368.1	370.0	370.0	370.0	370.0	371.8
57.5°	269.2	271.1	276.6	272.9	271.1	274.7	271.1	274.7	272.9	276.6	271.1
60°	206.9	206.9	208.8	208.8	210.6	210.6	210.6	208.8	208.8	206.9	206.9
62.5°	155.7	157.5	159.4	157.5	157.5	157.5	155.7	155.7	153.9	152.0	152.0
65°	104.4	102.6	106.2	102.6	104.4	104.4	102.6	104.4	98.9	100.7	98.9
67.5°	75.1	73.3	71.5	73.3	71.5	69.6	69.6	71.5	73.3	67.8	67.8
70°	49.5	51.3	49.5	51.3	53.1	53.1	51.3	49.5	51.3	47.6	49.5
72.5°	31.1	31.1	31.1	31.1	31.1	32.9	32.9	32.9	29.3	29.3	27.4
75°	14.6	20.1	16.5	14.6	20.1	20.1	18.3	18.3	16.5	16.5	16.5
77.5°	14.6	11.0	11.0	11.0	11.0	11.0	11.0	11.0	9.1	11.0	9.1
80°	7.3	7.3	7.3	5.5	7.3	7.3	9.1	7.3	7.3	5.5	9.1
82.5°	3.7	3.7	3.7	0.0	1.8	3.7	3.7	1.8	3.7	3.7	1.8
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: P248578

CATALOG NUMBER: LD8B60D010 ER8B60850 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3750.8	3750.8	3750.8	3750.8	3750.8	3750.8	3750.8	3750.8	3750.8	3750.8	3750.8
2.5°	3792.9	3791.1	3792.9	3794.7	3792.9	3791.1	3792.9	3794.7	3787.4	3785.6	3789.2
5°	3873.5	3873.5	3877.1	3879.0	3877.1	3873.5	3873.5	3866.2	3860.7	3855.2	3853.4
7.5°	3943.1	3946.8	3950.4	3952.2	3950.4	3946.8	3943.1	3932.1	3921.1	3912.0	3904.7
10°	3985.2	3990.7	3998.1	4001.7	3998.1	3990.7	3985.2	3972.4	3957.7	3943.1	3932.1
12.5°	4003.6	4009.1	4018.2	4016.4	4018.2	4009.1	4003.6	3985.2	3968.7	3948.6	3932.1
15°	3990.7	3998.1	4007.2	4010.9	4007.2	3998.1	3990.7	3972.4	3957.7	3935.8	3919.3
17.5°	3950.4	3961.4	3966.9	3972.4	3966.9	3961.4	3950.4	3935.8	3915.7	3897.3	3880.8
20°	3895.5	3902.8	3910.2	3912.0	3910.2	3902.8	3895.5	3879.0	3847.9	3844.2	3831.4
22.5°	3816.8	3822.3	3838.7	3833.2	3838.7	3822.3	3816.8	3802.1	3791.1	3770.9	3758.1
25°	3703.2	3708.7	3710.5	3712.4	3710.5	3708.7	3703.2	3690.3	3679.4	3664.7	3657.4
27.5°	3507.2	3507.2	3510.8	3512.7	3510.8	3507.2	3507.2	3498.0	3490.7	3483.4	3476.1
30°	3210.5	3210.5	3210.5	3219.7	3210.5	3210.5	3210.5	3208.7	3208.7	3210.5	3210.5
32.5°	2868.1	2864.4	2860.7	2864.4	2860.7	2864.4	2868.1	2869.9	2868.1	2873.6	2882.7
35°	2479.8	2477.9	2483.4	2476.1	2483.4	2477.9	2479.8	2479.8	2487.1	2494.5	2496.3
37.5°	2108.0	2104.3	2111.7	2104.3	2111.7	2104.3	2108.0	2106.1	2104.3	2108.0	2102.5
40°	1754.6	1758.2	1758.2	1772.9	1758.2	1758.2	1754.6	1750.9	1738.0	1730.7	1723.4
42.5°	1415.7	1426.7	1423.0	1434.0	1423.0	1426.7	1415.7	1408.4	1393.7	1380.9	1369.9
45°	1095.2	1102.6	1102.6	1106.2	1102.6	1102.6	1095.2	1087.9	1075.0	1064.0	1056.7
47.5°	840.6	840.6	840.6	842.5	840.6	840.6	840.6	827.8	824.2	816.9	807.7
50°	639.2	641.0	642.9	644.7	642.9	641.0	639.2	635.5	633.7	630.0	628.2
52.5°	490.8	492.6	489.0	492.6	489.0	492.6	490.8	492.6	487.1	487.1	485.3
55°	371.8	370.0	371.8	373.6	371.8	370.0	371.8	371.8	370.0	370.0	370.0
57.5°	272.9	269.2	269.2	269.2	269.2	269.2	272.9	271.1	276.6	272.9	274.7
60°	203.3	205.1	205.1	206.9	205.1	205.1	203.3	206.9	206.9	208.8	208.8
62.5°	150.2	155.7	152.0	155.7	152.0	155.7	150.2	152.0	152.0	153.9	155.7
65°	97.1	97.1	97.1	98.9	97.1	97.1	97.1	98.9	100.7	98.9	104.4
67.5°	66.0	67.8	71.5	69.6	71.5	67.8	66.0	67.8	67.8	73.3	71.5
70°	53.1	47.6	47.6	53.1	47.6	47.6	53.1	49.5	47.6	51.3	49.5
72.5°	31.1	27.4	31.1	31.1	31.1	27.4	31.1	27.4	29.3	29.3	32.9
75°	16.5	14.6	12.8	18.3	12.8	14.6	16.5	16.5	16.5	16.5	18.3
77.5°	11.0	9.1	12.8	12.8	12.8	9.1	11.0	9.1	11.0	9.1	11.0
80°	5.5	7.3	5.5	9.1	5.5	7.3	5.5	9.1	5.5	7.3	7.3
82.5°	1.8	3.7	3.7	3.7	3.7	3.7	1.8	1.8	3.7	3.7	1.8
85°	0.0	3.7	1.8	1.8	1.8	3.7	0.0	0.0	0.0	0.0	0.0
87.5°	1.8	0.0	0.0	1.8	0.0	0.0	1.8	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: P248578

CATALOG NUMBER: LD8B60D010 ER8B60850 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3750.8	3750.8	3750.8	3750.8	3750.8	3750.8	3750.8	3750.8	3750.8	3750.8	3750.8
2.5°	3789.2	3783.7	3785.6	3774.6	3774.6	3770.9	3772.8	3763.6	3760.0	3756.3	3761.8
5°	3844.2	3835.1	3827.7	3811.3	3802.1	3791.1	3785.6	3770.9	3758.1	3747.1	3745.3
7.5°	3888.1	3868.0	3855.2	3833.2	3816.8	3803.9	3785.6	3765.4	3749.0	3734.3	3723.4
10°	3906.5	3886.3	3866.2	3838.7	3820.4	3796.6	3778.2	3752.6	3730.7	3710.5	3697.7
12.5°	3908.3	3882.6	3864.3	3833.2	3809.4	3783.7	3763.6	3734.3	3708.7	3688.5	3668.4
15°	3891.8	3868.0	3846.0	3813.1	3789.2	3765.4	3741.7	3710.5	3686.7	3662.9	3648.3
17.5°	3855.2	3833.2	3807.6	3776.4	3754.5	3732.5	3706.8	3681.2	3653.7	3628.1	3609.8
20°	3807.6	3783.7	3761.8	3730.7	3712.4	3688.5	3664.7	3637.3	3615.3	3589.6	3569.5
22.5°	3736.2	3714.2	3694.0	3675.7	3646.4	3628.1	3611.6	3580.5	3558.5	3534.7	3512.7
25°	3633.6	3611.6	3595.1	3573.1	3560.3	3540.2	3523.7	3496.2	3476.1	3454.1	3435.8
27.5°	3465.1	3452.3	3443.1	3430.3	3419.3	3410.1	3401.0	3379.0	3364.4	3344.3	3325.9
30°	3212.3	3210.5	3205.0	3199.5	3206.8	3206.8	3206.8	3203.2	3190.4	3175.7	3162.9
32.5°	2888.2	2891.9	2899.2	2904.7	2919.3	2935.8	2950.4	2957.8	2957.8	2948.6	2943.1
35°	2501.8	2507.3	2518.3	2532.9	2551.2	2571.3	2604.3	2611.7	2617.1	2617.1	2609.8
37.5°	2100.6	2098.8	2109.8	2122.7	2133.7	2148.3	2172.1	2177.6	2186.7	2183.1	2175.7
40°	1710.5	1701.4	1697.7	1701.4	1714.2	1708.7	1714.2	1710.5	1710.5	1697.7	1697.7
42.5°	1349.7	1338.8	1331.4	1326.0	1326.0	1313.1	1304.0	1294.9	1289.4	1280.2	1278.4
45°	1040.3	1027.4	1018.3	1014.6	1009.2	992.7	981.6	970.6	957.8	954.2	956.0
47.5°	807.7	794.8	791.2	782.0	772.8	763.7	756.4	743.6	741.7	734.4	741.7
50°	622.7	619.1	613.5	609.9	604.4	597.0	589.7	582.4	578.7	578.7	580.5
52.5°	483.5	485.3	479.8	474.3	470.7	470.7	461.5	459.7	459.7	452.4	459.7
55°	370.0	368.1	370.0	366.3	366.3	360.8	360.8	355.3	355.3	349.8	353.5
57.5°	271.1	274.7	271.1	272.9	276.6	271.1	269.2	263.7	267.4	263.7	265.6
60°	210.6	210.6	210.6	208.8	208.8	206.9	206.9	205.1	205.1	201.4	205.1
62.5°	155.7	157.5	157.5	157.5	159.4	157.5	155.7	157.5	155.7	155.7	157.5
65°	102.6	104.4	104.4	102.6	106.2	102.6	104.4	106.2	108.0	106.2	108.0
67.5°	69.6	69.6	71.5	73.3	71.5	73.3	75.1	73.3	75.1	78.8	75.1
70°	51.3	53.1	53.1	51.3	49.5	51.3	49.5	55.0	55.0	55.0	58.6
72.5°	32.9	32.9	31.1	31.1	31.1	31.1	31.1	36.6	32.9	31.1	34.8
75°	18.3	20.1	20.1	14.6	16.5	20.1	14.6	16.5	22.0	18.3	22.0
77.5°	11.0	11.0	11.0	11.0	11.0	11.0	14.6	12.8	12.8	12.8	14.6
80°	9.1	7.3	7.3	5.5	7.3	7.3	7.3	11.0	9.1	9.1	11.0
82.5°	3.7	3.7	1.8	0.0	3.7	3.7	3.7	3.7	3.7	3.7	7.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	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: P248578

CATALOG NUMBER: LD8B60D010 ER8B60850 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3750.8	3750.8	3750.8	3750.8	3750.8	3750.8	3750.8	3750.8	3750.8	3750.8	3750.8
2.5°	3747.1	3747.1	3745.3	3741.7	3734.3	3734.3	3732.5	3727.0	3723.4	3721.5	3721.5
5°	3728.8	3721.5	3714.2	3694.0	3694.0	3690.3	3679.4	3672.0	3668.4	3659.2	3655.6
7.5°	3712.4	3690.3	3677.5	3664.7	3648.3	3640.9	3628.1	3622.6	3609.8	3600.6	3595.1
10°	3672.0	3657.4	3640.9	3620.8	3607.9	3593.3	3578.6	3567.7	3551.2	3542.0	3534.7
12.5°	3644.6	3622.6	3607.9	3585.9	3564.0	3551.2	3531.1	3518.2	3501.7	3483.4	3472.4
15°	3619.0	3595.1	3575.0	3551.2	3527.4	3512.7	3488.9	3474.3	3450.5	3432.1	3419.3
17.5°	3580.5	3560.3	3538.4	3509.0	3487.1	3468.8	3443.1	3424.8	3402.8	3379.0	3366.2
20°	3540.2	3516.4	3494.4	3465.1	3443.1	3421.1	3395.5	3375.4	3349.7	3327.7	3313.1
22.5°	3487.1	3459.6	3441.3	3411.9	3386.3	3362.6	3338.7	3314.9	3291.1	3272.8	3256.3
25°	3410.1	3380.8	3360.7	3336.9	3313.1	3294.8	3265.5	3250.9	3227.0	3210.5	3194.0
27.5°	3300.2	3278.3	3260.0	3236.2	3216.0	3201.4	3179.4	3164.8	3144.6	3129.9	3117.1
30°	3139.1	3120.8	3104.3	3080.5	3065.9	3053.0	3032.8	3020.0	3005.4	2988.9	2985.3
32.5°	2923.0	2908.3	2891.9	2875.4	2864.4	2857.0	2840.5	2833.2	2818.6	2809.4	2800.3
35°	2597.0	2584.2	2575.0	2567.7	2564.0	2565.8	2562.2	2569.5	2573.2	2571.3	2573.2
37.5°	2170.3	2162.9	2166.6	2172.1	2190.4	2214.2	2236.2	2269.1	2291.1	2313.2	2333.3
40°	1694.1	1699.6	1714.2	1747.2	1794.8	1848.0	1897.4	1959.7	2021.9	2065.9	2106.1
42.5°	1278.4	1294.9	1331.4	1379.1	1450.5	1529.2	1606.2	1697.7	1772.9	1846.1	1897.4
45°	961.5	983.5	1031.1	1097.1	1175.8	1267.4	1364.4	1467.0	1556.8	1631.8	1688.6
47.5°	749.1	769.2	816.9	886.4	983.5	1078.7	1179.5	1285.7	1379.1	1452.3	1501.8
50°	591.5	617.2	659.3	732.6	829.7	930.4	1034.8	1139.1	1227.1	1289.4	1333.3
52.5°	465.2	489.0	529.3	606.2	705.1	805.9	902.9	1005.5	1082.4	1142.8	1172.1
55°	360.8	382.8	424.9	489.0	582.4	681.3	778.3	866.3	937.7	981.6	1009.2
57.5°	274.7	291.2	320.5	384.6	468.9	560.4	642.9	730.8	785.7	816.9	835.1
60°	208.8	221.6	252.8	302.2	379.1	457.9	527.5	593.4	637.4	663.0	681.3
62.5°	157.5	172.2	194.1	236.3	294.8	359.0	417.6	467.0	503.6	520.1	533.0
65°	108.0	119.0	135.5	168.5	217.9	263.7	309.5	346.2	370.0	388.3	395.6
67.5°	80.6	87.9	97.1	122.7	157.5	194.1	225.2	250.9	276.6	283.9	296.7
70°	60.5	66.0	75.1	93.4	113.5	139.2	164.9	179.5	197.8	210.6	214.3
72.5°	38.4	40.3	49.5	60.5	76.9	93.4	109.9	122.7	133.7	141.0	144.7
75°	22.0	32.9	32.9	43.9	55.0	62.3	73.3	82.4	87.9	93.4	93.4
77.5°	14.6	20.1	22.0	27.4	32.9	42.1	51.3	56.8	62.3	64.1	64.1
80°	12.8	14.6	14.6	20.1	23.8	31.1	36.6	38.4	42.1	43.9	47.6
82.5°	5.5	7.3	9.1	14.6	16.5	16.5	22.0	23.8	27.4	29.3	29.3
85°	1.8	3.7	3.7	5.5	9.1	11.0	12.8	14.6	16.5	16.5	18.3
87.5°	1.8	1.8	0.0	1.8	3.7	3.7	7.3	7.3	7.3	11.0	11.0
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: P248578

CATALOG NUMBER: LD8B60D010 ER8B60850 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	3750.8	3750.8	3750.8	3750.8	3750.8	3750.8	3750.8
2.5°	3717.9	3719.7	3712.4	3710.5	3706.8	3708.7	3712.4
5°	3650.1	3651.9	3644.6	3637.3	3637.3	3635.4	3637.3
7.5°	3585.9	3587.8	3576.8	3573.1	3565.8	3567.7	3567.7
10°	3521.9	3521.9	3505.4	3503.5	3498.0	3496.2	3496.2
12.5°	3459.6	3454.1	3441.3	3434.0	3437.7	3426.6	3426.6
15°	3404.6	3395.5	3379.0	3373.5	3364.4	3360.7	3360.7
17.5°	3347.9	3340.6	3325.9	3314.9	3303.9	3302.1	3303.9
20°	3292.9	3285.6	3267.3	3260.0	3250.9	3250.9	3247.2
22.5°	3238.0	3230.6	3214.2	3208.7	3195.9	3195.9	3197.7
25°	3181.2	3175.7	3157.4	3153.8	3151.9	3144.6	3148.3
27.5°	3104.3	3100.6	3086.0	3080.5	3073.2	3071.4	3075.0
30°	2963.3	2957.8	2946.8	2941.3	2928.5	2930.3	2933.9
32.5°	2787.5	2780.2	2765.5	2760.0	2749.0	2745.3	2747.1
35°	2567.7	2562.2	2549.4	2549.4	2538.4	2534.7	2538.4
37.5°	2344.3	2349.7	2344.3	2349.7	2344.3	2342.4	2344.3
40°	2133.7	2153.8	2157.4	2177.6	2170.3	2181.2	2179.4
42.5°	1932.2	1965.1	1978.0	1994.4	1990.8	1998.1	2003.6
45°	1728.9	1756.4	1769.2	1780.2	1782.0	1785.7	1787.5
47.5°	1536.5	1558.6	1560.4	1573.2	1571.4	1571.4	1576.9
50°	1357.1	1371.8	1375.4	1384.6	1377.3	1373.6	1375.4
52.5°	1190.5	1205.1	1201.4	1205.1	1196.0	1192.3	1194.1
55°	1020.1	1027.4	1027.4	1027.4	1016.5	1016.5	1016.5
57.5°	846.1	848.0	844.3	846.1	844.3	833.3	831.5
60°	686.8	686.8	684.9	686.8	681.3	675.8	675.8
62.5°	536.6	540.3	547.6	540.3	536.6	540.3	534.8
65°	401.1	408.4	406.5	410.2	408.4	408.4	404.7
67.5°	302.2	304.0	305.8	307.7	307.7	307.7	307.7
70°	221.6	227.1	225.2	225.2	225.2	225.2	236.3
72.5°	148.4	155.7	153.9	157.5	157.5	161.2	157.5
75°	100.7	108.0	104.4	109.9	108.0	104.4	113.5
77.5°	67.8	71.5	73.3	75.1	73.3	71.5	73.3
80°	47.6	51.3	49.5	51.3	51.3	51.3	53.1
82.5°	29.3	34.8	32.9	34.8	32.9	34.8	34.8
85°	20.1	22.0	18.3	22.0	20.1	20.1	23.8
87.5°	12.8	11.0	11.0	12.8	11.0	12.8	11.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)