

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: P248974

Luminaire Tested: **LD8B60D010 ER8B60827 8LBSW0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248974
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 8LBSW0MW
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 2700 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5790.0 lumens
Efficiency: N/A
Efficacy: 97.3 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

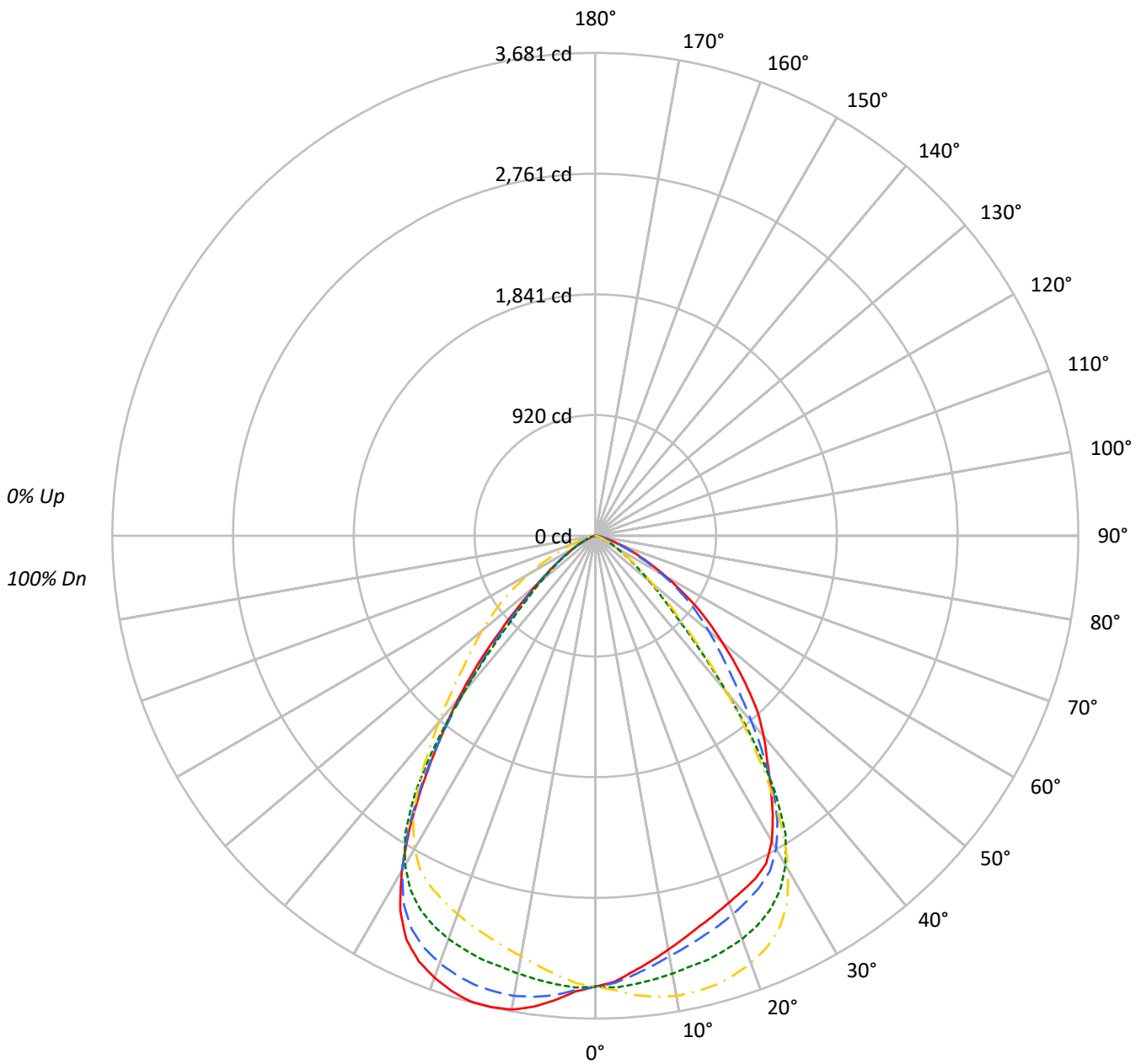
Input Watts (W): 59.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot



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



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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°	105994	105994	105994	105994
5°	103179	106244	110039	106244
10°	100324	106104	114831	106104
15°	98320	106735	117343	106735
20°	97652	107345	117643	107345
25°	98166	107128	115753	107128
30°	95736	103210	105061	103210
35°	87572	90034	85422	90034
40°	80399	62627	65401	62627
45°	71436	38206	44207	38206
50°	60465	25522	28342	25522
55°	50079	17413	18408	17413
60°	38194	11594	11693	11594
65°	27063	7224	6611	7224
70°	19519	4842	4391	4842
75°	12391	2407	2002	2407
80°	8648	1794	1492	1794
85°	7713	0	601	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	327.2	5.7
10°-20°	947.4	16.4
20°-30°	1434.6	24.8
30°-40°	1437.8	24.8
40°-50°	902.9	15.6
50°-60°	481.1	8.3
60°-70°	197.9	3.4
70°-80°	52.3	0.9
80°-90°	8.8	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°	2709.2	46.8
0°-40°	4147.0	71.6
0°-60°	5531.0	95.5
0°-90°	5790.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5790.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3437	3437	3437	3437	3437	
5°	3333	3432	3555	3432	3333	314
15°	3080	3343	3676	3343	3080	871
25°	2885	3149	3402	3149	2885	1323
35°	2326	2392	2269	2392	2326	1457
45°	1638	876	1014	876	1638	1260
55°	932	324	342	324	932	830
65°	371	99	91	99	371	385
75°	104	20	17	20	104	118
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°	3437.3	3437.3	3437.3	3437.3	3437.3	3437.3	3437.3	3437.3	3437.3	3437.3	3437.3
2.5°	3402.1	3398.7	3397.1	3400.4	3402.1	3408.8	3407.1	3410.5	3410.5	3412.2	3415.5
5°	3333.3	3331.6	3333.3	3333.3	3340.0	3346.7	3345.0	3350.1	3353.4	3361.8	3365.1
7.5°	3269.5	3269.5	3267.8	3274.5	3277.9	3288.0	3286.3	3294.7	3299.7	3308.1	3319.8
10°	3204.0	3204.0	3205.7	3210.7	3212.5	3227.5	3227.5	3239.3	3246.0	3254.4	3269.5
12.5°	3140.3	3140.3	3150.4	3147.0	3153.7	3165.4	3170.5	3182.2	3192.3	3209.1	3224.2
15°	3079.8	3079.8	3083.2	3091.6	3096.6	3111.7	3120.1	3133.6	3145.3	3162.1	3183.9
17.5°	3027.8	3026.2	3027.8	3037.9	3048.0	3061.4	3068.1	3084.9	3096.6	3118.4	3138.6
20°	2975.8	2979.2	2979.2	2987.5	2994.2	3011.0	3017.7	3036.2	3049.6	3069.7	3093.3
22.5°	2930.5	2928.8	2928.8	2940.6	2945.6	2960.7	2967.4	2984.1	2999.3	3016.1	3037.9
25°	2885.2	2881.8	2888.5	2890.2	2893.5	2910.3	2915.3	2927.1	2942.2	2957.3	2979.2
27.5°	2818.0	2814.7	2816.3	2823.0	2828.1	2841.5	2844.9	2856.6	2868.4	2881.8	2900.3
30°	2688.7	2685.4	2683.8	2695.5	2700.6	2710.6	2715.6	2735.8	2739.1	2754.2	2767.6
32.5°	2517.6	2515.9	2519.3	2529.3	2534.3	2547.8	2554.5	2566.3	2574.6	2583.0	2596.5
35°	2326.3	2322.9	2326.3	2336.3	2336.3	2348.1	2353.1	2358.1	2356.5	2358.1	2354.8
37.5°	2148.4	2146.6	2148.4	2153.3	2148.4	2153.3	2148.4	2138.3	2119.8	2099.7	2079.5
40°	1997.3	1998.9	1988.9	1995.6	1977.1	1973.8	1955.4	1930.1	1893.2	1853.0	1795.9
42.5°	1836.2	1831.1	1824.4	1827.8	1812.7	1800.9	1770.7	1738.8	1691.8	1624.7	1555.8
45°	1638.1	1636.5	1633.1	1631.4	1621.3	1609.6	1584.4	1547.5	1495.5	1426.7	1344.4
47.5°	1445.1	1440.1	1440.1	1441.7	1430.0	1428.3	1408.1	1376.3	1331.0	1263.8	1178.2
50°	1260.4	1258.8	1262.2	1268.9	1260.4	1257.1	1243.7	1221.9	1181.6	1124.5	1043.9
52.5°	1094.3	1092.6	1096.0	1104.4	1101.0	1104.4	1091.0	1074.2	1047.3	991.9	921.4
55°	931.5	931.5	931.5	941.5	941.5	941.5	934.8	924.8	899.6	859.3	793.9
57.5°	762.0	763.7	773.7	775.4	773.7	777.1	775.4	765.3	748.6	720.1	669.7
60°	619.3	619.3	624.4	629.4	627.7	629.4	629.4	624.4	607.6	584.1	543.8
62.5°	490.1	495.1	491.7	495.1	501.8	495.1	491.7	488.4	476.7	461.5	428.0
65°	370.9	374.3	374.3	376.0	372.6	374.3	367.6	362.6	355.9	339.1	317.2
67.5°	282.0	282.0	282.0	282.0	280.3	278.6	277.0	271.9	260.2	253.5	229.9
70°	216.5	206.4	206.4	206.4	206.4	208.1	203.1	196.4	193.0	181.3	164.5
72.5°	144.3	147.7	144.3	144.3	141.0	142.7	136.0	132.6	129.3	122.6	112.5
75°	104.0	95.7	99.0	100.7	95.7	99.0	92.3	85.6	85.6	80.6	75.5
77.5°	67.1	65.5	67.1	68.8	67.1	65.5	62.1	58.7	58.7	57.1	52.0
80°	48.7	47.0	47.0	47.0	45.3	47.0	43.7	43.7	40.3	38.6	35.2
82.5°	31.9	31.9	30.2	31.9	30.2	31.9	26.9	26.9	26.9	25.1	21.8
85°	21.8	18.4	18.4	20.2	16.8	20.2	18.4	16.8	15.1	15.1	13.4
87.5°	10.1	11.7	10.1	11.7	10.1	10.1	11.7	10.1	10.1	6.7	6.7
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°	3437.3	3437.3	3437.3	3437.3	3437.3	3437.3	3437.3	3437.3	3437.3	3437.3	3437.3
2.5°	3420.6	3422.2	3422.2	3429.0	3432.3	3434.0	3434.0	3447.4	3442.4	3445.8	3449.1
5°	3371.9	3381.9	3385.3	3385.3	3403.8	3410.5	3417.2	3432.3	3434.0	3444.0	3455.8
7.5°	3324.9	3336.6	3343.4	3358.4	3370.2	3381.9	3402.1	3412.2	3422.2	3435.7	3450.7
10°	3279.6	3293.0	3306.4	3318.2	3336.6	3351.7	3365.1	3388.6	3400.4	3418.9	3439.0
12.5°	3236.0	3254.4	3266.1	3286.3	3306.4	3319.8	3340.0	3361.8	3380.3	3398.7	3422.2
15°	3197.3	3219.2	3232.6	3254.4	3276.2	3294.7	3316.5	3343.4	3356.8	3378.6	3400.4
17.5°	3155.3	3178.9	3195.7	3215.8	3242.7	3262.8	3281.3	3308.1	3324.9	3348.4	3373.6
20°	3111.7	3135.2	3155.3	3175.5	3202.4	3222.5	3244.3	3271.2	3289.6	3313.1	3333.3
22.5°	3059.7	3081.6	3103.3	3126.8	3153.7	3170.5	3195.7	3219.2	3239.3	3261.1	3281.3
25°	2992.6	3019.5	3036.2	3058.0	3079.8	3098.3	3125.1	3148.6	3165.4	3185.6	3204.0
27.5°	2913.7	2933.9	2947.3	2965.7	2987.5	3004.3	3024.4	3048.0	3064.8	3083.2	3096.6
30°	2779.4	2797.9	2809.6	2823.0	2844.9	2860.0	2876.8	2898.6	2910.3	2923.8	2935.5
32.5°	2603.2	2618.3	2625.0	2635.1	2650.2	2665.3	2678.7	2697.2	2702.2	2710.6	2710.6
35°	2348.1	2351.4	2349.8	2353.1	2359.8	2368.2	2379.9	2391.7	2398.4	2398.4	2393.4
37.5°	2049.3	2029.2	2007.4	1990.6	1985.5	1982.2	1988.9	1993.9	2000.7	2004.0	1995.6
40°	1738.8	1693.5	1644.8	1601.2	1571.0	1557.6	1552.5	1555.8	1555.8	1567.6	1567.6
42.5°	1472.0	1401.4	1329.3	1263.8	1220.2	1186.7	1171.5	1171.5	1173.2	1181.6	1186.7
45°	1250.4	1161.4	1077.5	1005.4	944.9	901.3	881.2	876.1	874.5	877.8	889.5
47.5°	1080.9	988.6	901.3	812.4	748.6	704.9	686.5	679.7	673.0	679.7	681.4
50°	948.3	852.6	760.3	671.4	604.2	565.6	542.1	532.0	530.4	530.4	533.7
52.5°	827.4	738.5	646.2	555.6	485.0	448.1	426.3	421.3	414.6	421.3	421.3
55°	713.3	624.4	533.7	448.1	389.4	350.8	330.6	323.9	320.5	325.6	325.6
57.5°	589.1	513.6	429.7	352.5	293.7	266.9	251.7	243.4	241.7	245.0	241.7
60°	483.4	419.6	347.4	277.0	231.6	203.1	191.4	188.0	184.6	188.0	188.0
62.5°	382.7	329.0	270.2	216.5	177.9	157.8	144.3	144.3	142.7	142.7	144.3
65°	283.7	241.7	199.7	154.4	124.2	109.1	99.0	99.0	97.3	99.0	97.3
67.5°	206.4	177.9	144.3	112.5	89.0	80.6	73.9	68.8	72.2	68.8	67.1
70°	151.1	127.5	104.0	85.6	68.8	60.4	55.4	53.7	50.4	50.4	50.4
72.5°	100.7	85.6	70.5	55.4	45.3	36.9	35.2	31.9	28.5	30.2	33.6
75°	67.1	57.1	50.4	40.3	30.2	30.2	20.2	20.2	16.8	20.2	15.1
77.5°	47.0	38.6	30.2	25.1	20.2	18.4	13.4	13.4	11.7	11.7	11.7
80°	33.6	28.5	21.8	18.4	13.4	13.4	11.7	10.1	8.4	8.4	10.1
82.5°	20.2	15.1	15.1	13.4	8.4	6.7	5.0	6.7	3.4	3.4	3.4
85°	11.7	10.1	8.4	5.0	3.4	3.4	1.7	0.0	1.7	1.7	0.0
87.5°	6.7	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°	3437.3	3437.3	3437.3	3437.3	3437.3	3437.3	3437.3	3437.3	3437.3	3437.3	3437.3
2.5°	3457.5	3455.8	3459.2	3459.2	3469.3	3467.5	3472.6	3472.6	3469.3	3470.9	3477.6
5°	3469.3	3474.3	3484.3	3492.7	3507.8	3514.6	3522.9	3531.4	3533.0	3538.1	3543.1
7.5°	3469.3	3486.0	3497.8	3512.8	3533.0	3544.8	3563.2	3578.3	3585.0	3593.4	3603.5
10°	3462.5	3479.3	3501.1	3517.9	3543.1	3561.6	3580.0	3603.5	3613.6	3627.0	3640.4
12.5°	3449.1	3467.5	3491.0	3512.8	3541.4	3558.2	3581.7	3603.5	3618.6	3637.1	3652.2
15°	3429.0	3450.7	3472.6	3494.4	3524.6	3544.8	3566.6	3591.7	3606.9	3627.0	3640.4
17.5°	3397.1	3420.6	3440.7	3460.8	3489.4	3512.8	3533.0	3556.5	3571.6	3588.4	3606.9
20°	3358.4	3380.3	3402.1	3418.9	3447.4	3467.5	3489.4	3511.2	3522.9	3526.3	3554.9
22.5°	3309.8	3324.9	3341.7	3368.5	3385.3	3403.8	3423.9	3444.0	3455.8	3474.3	3484.3
25°	3229.2	3244.3	3262.8	3274.5	3294.7	3309.8	3329.9	3351.7	3358.4	3371.9	3381.9
27.5°	3116.8	3125.1	3133.6	3143.6	3155.3	3163.8	3175.5	3185.6	3192.3	3199.0	3205.7
30°	2938.8	2938.8	2938.8	2932.1	2937.2	2942.2	2943.9	2942.2	2942.2	2940.6	2940.6
32.5°	2703.9	2690.5	2675.3	2661.9	2656.9	2650.2	2646.8	2641.8	2633.4	2628.4	2630.0
35°	2386.6	2356.5	2338.0	2321.2	2307.8	2297.7	2292.7	2287.6	2286.0	2279.3	2272.5
37.5°	1990.6	1968.8	1955.4	1945.3	1933.5	1923.4	1925.1	1926.8	1931.8	1928.5	1930.1
40°	1571.0	1565.9	1571.0	1559.2	1555.8	1559.2	1567.6	1579.4	1586.1	1592.8	1604.5
42.5°	1195.0	1203.4	1215.2	1215.2	1220.2	1226.9	1236.9	1255.5	1265.5	1277.2	1290.7
45°	899.6	909.7	924.8	929.8	933.2	941.5	953.4	968.4	975.1	985.2	997.0
47.5°	693.2	699.9	708.2	716.7	725.0	728.4	740.2	740.2	748.6	755.3	758.6
50°	540.4	547.1	553.8	558.9	562.3	567.3	570.6	575.7	577.3	580.7	582.4
52.5°	422.9	431.4	431.4	434.7	439.7	444.8	443.1	444.8	446.4	446.4	451.5
55°	330.6	330.6	335.7	335.7	339.1	337.3	339.1	339.1	339.1	339.1	340.7
57.5°	246.7	248.4	253.5	250.1	248.4	251.7	248.4	251.7	250.1	253.5	248.4
60°	189.6	189.6	191.4	191.4	193.0	193.0	193.0	191.4	191.4	189.6	189.6
62.5°	142.7	144.3	146.0	144.3	144.3	144.3	142.7	142.7	141.0	139.3	139.3
65°	95.7	94.0	97.3	94.0	95.7	95.7	94.0	95.7	90.6	92.3	90.6
67.5°	68.8	67.1	65.5	67.1	65.5	63.8	63.8	65.5	67.1	62.1	62.1
70°	45.3	47.0	45.3	47.0	48.7	48.7	47.0	45.3	47.0	43.7	45.3
72.5°	28.5	28.5	28.5	28.5	28.5	30.2	30.2	30.2	26.9	26.9	25.1
75°	13.4	18.4	15.1	13.4	18.4	18.4	16.8	16.8	15.1	15.1	15.1
77.5°	13.4	10.1	10.1	10.1	10.1	10.1	10.1	10.1	8.4	10.1	8.4
80°	6.7	6.7	6.7	5.0	6.7	6.7	8.4	6.7	6.7	5.0	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: P248974

CATALOG NUMBER: LD8B60D010 ER8B60827 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3437.3	3437.3	3437.3	3437.3	3437.3	3437.3	3437.3	3437.3	3437.3	3437.3	3437.3
2.5°	3476.0	3474.3	3476.0	3477.6	3476.0	3474.3	3476.0	3477.6	3470.9	3469.3	3472.6
5°	3549.8	3549.8	3553.1	3554.9	3553.1	3549.8	3549.8	3543.1	3538.1	3533.0	3531.4
7.5°	3613.6	3617.0	3620.3	3621.9	3620.3	3617.0	3613.6	3603.5	3593.4	3585.0	3578.3
10°	3652.2	3657.2	3663.9	3667.3	3663.9	3657.2	3652.2	3640.4	3627.0	3613.6	3603.5
12.5°	3669.0	3674.0	3682.4	3680.7	3682.4	3674.0	3669.0	3652.2	3637.1	3618.6	3603.5
15°	3657.2	3663.9	3672.3	3675.7	3672.3	3663.9	3657.2	3640.4	3627.0	3606.9	3591.7
17.5°	3620.3	3630.4	3635.4	3640.4	3635.4	3630.4	3620.3	3606.9	3588.4	3571.6	3556.5
20°	3569.9	3576.7	3583.4	3585.0	3583.4	3576.7	3569.9	3554.9	3526.3	3522.9	3511.2
22.5°	3497.8	3502.8	3517.9	3512.8	3517.9	3502.8	3497.8	3484.3	3474.3	3455.8	3444.0
25°	3393.7	3398.7	3400.4	3402.1	3400.4	3398.7	3393.7	3381.9	3371.9	3358.4	3351.7
27.5°	3214.1	3214.1	3217.4	3219.2	3217.4	3214.1	3214.1	3205.7	3199.0	3192.3	3185.6
30°	2942.2	2942.2	2942.2	2950.6	2942.2	2942.2	2942.2	2940.6	2940.6	2942.2	2942.2
32.5°	2628.4	2625.0	2621.7	2625.0	2621.7	2625.0	2628.4	2630.0	2628.4	2633.4	2641.8
35°	2272.5	2270.9	2275.9	2269.2	2275.9	2270.9	2272.5	2272.5	2279.3	2286.0	2287.6
37.5°	1931.8	1928.5	1935.2	1928.5	1935.2	1928.5	1931.8	1930.1	1928.5	1931.8	1926.8
40°	1607.9	1611.2	1611.2	1624.7	1611.2	1611.2	1607.9	1604.5	1592.8	1586.1	1579.4
42.5°	1297.4	1307.5	1304.1	1314.2	1304.1	1307.5	1297.4	1290.7	1277.2	1265.5	1255.5
45°	1003.7	1010.4	1010.4	1013.7	1010.4	1010.4	1003.7	997.0	985.2	975.1	968.4
47.5°	770.4	770.4	770.4	772.1	770.4	770.4	770.4	758.6	755.3	748.6	740.2
50°	585.8	587.4	589.1	590.8	589.1	587.4	585.8	582.4	580.7	577.3	575.7
52.5°	449.8	451.5	448.1	451.5	448.1	451.5	449.8	451.5	446.4	446.4	444.8
55°	340.7	339.1	340.7	342.4	340.7	339.1	340.7	340.7	339.1	339.1	339.1
57.5°	250.1	246.7	246.7	246.7	246.7	246.7	250.1	248.4	253.5	250.1	251.7
60°	186.3	188.0	188.0	189.6	188.0	188.0	186.3	189.6	189.6	191.4	191.4
62.5°	137.6	142.7	139.3	142.7	139.3	142.7	137.6	139.3	139.3	141.0	142.7
65°	89.0	89.0	89.0	90.6	89.0	89.0	89.0	90.6	92.3	90.6	95.7
67.5°	60.4	62.1	65.5	63.8	65.5	62.1	60.4	62.1	62.1	67.1	65.5
70°	48.7	43.7	43.7	48.7	43.7	43.7	48.7	45.3	43.7	47.0	45.3
72.5°	28.5	25.1	28.5	28.5	28.5	25.1	28.5	25.1	26.9	26.9	30.2
75°	15.1	13.4	11.7	16.8	11.7	13.4	15.1	15.1	15.1	15.1	16.8
77.5°	10.1	8.4	11.7	11.7	11.7	8.4	10.1	8.4	10.1	8.4	10.1
80°	5.0	6.7	5.0	8.4	5.0	6.7	5.0	8.4	5.0	6.7	6.7
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: P248974

CATALOG NUMBER: LD8B60D010 ER8B60827 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3437.3	3437.3	3437.3	3437.3	3437.3	3437.3	3437.3	3437.3	3437.3	3437.3	3437.3
2.5°	3472.6	3467.5	3469.3	3459.2	3459.2	3455.8	3457.5	3449.1	3445.8	3442.4	3447.4
5°	3522.9	3514.6	3507.8	3492.7	3484.3	3474.3	3469.3	3455.8	3444.0	3434.0	3432.3
7.5°	3563.2	3544.8	3533.0	3512.8	3497.8	3486.0	3469.3	3450.7	3435.7	3422.2	3412.2
10°	3580.0	3561.6	3543.1	3517.9	3501.1	3479.3	3462.5	3439.0	3418.9	3400.4	3388.6
12.5°	3581.7	3558.2	3541.4	3512.8	3491.0	3467.5	3449.1	3422.2	3398.7	3380.3	3361.8
15°	3566.6	3544.8	3524.6	3494.4	3472.6	3450.7	3429.0	3400.4	3378.6	3356.8	3343.4
17.5°	3533.0	3512.8	3489.4	3460.8	3440.7	3420.6	3397.1	3373.6	3348.4	3324.9	3308.1
20°	3489.4	3467.5	3447.4	3418.9	3402.1	3380.3	3358.4	3333.3	3313.1	3289.6	3271.2
22.5°	3423.9	3403.8	3385.3	3368.5	3341.7	3324.9	3309.8	3281.3	3261.1	3239.3	3219.2
25°	3329.9	3309.8	3294.7	3274.5	3262.8	3244.3	3229.2	3204.0	3185.6	3165.4	3148.6
27.5°	3175.5	3163.8	3155.3	3143.6	3133.6	3125.1	3116.8	3096.6	3083.2	3064.8	3048.0
30°	2943.9	2942.2	2937.2	2932.1	2938.8	2938.8	2938.8	2935.5	2923.8	2910.3	2898.6
32.5°	2646.8	2650.2	2656.9	2661.9	2675.3	2690.5	2703.9	2710.6	2710.6	2702.2	2697.2
35°	2292.7	2297.7	2307.8	2321.2	2338.0	2356.5	2386.6	2393.4	2398.4	2398.4	2391.7
37.5°	1925.1	1923.4	1933.5	1945.3	1955.4	1968.8	1990.6	1995.6	2004.0	2000.7	1993.9
40°	1567.6	1559.2	1555.8	1559.2	1571.0	1565.9	1571.0	1567.6	1567.6	1555.8	1555.8
42.5°	1236.9	1226.9	1220.2	1215.2	1215.2	1203.4	1195.0	1186.7	1181.6	1173.2	1171.5
45°	953.4	941.5	933.2	929.8	924.8	909.7	899.6	889.5	877.8	874.5	876.1
47.5°	740.2	728.4	725.0	716.7	708.2	699.9	693.2	681.4	679.7	673.0	679.7
50°	570.6	567.3	562.3	558.9	553.8	547.1	540.4	533.7	530.4	530.4	532.0
52.5°	443.1	444.8	439.7	434.7	431.4	431.4	422.9	421.3	421.3	414.6	421.3
55°	339.1	337.3	339.1	335.7	335.7	330.6	330.6	325.6	325.6	320.5	323.9
57.5°	248.4	251.7	248.4	250.1	253.5	248.4	246.7	241.7	245.0	241.7	243.4
60°	193.0	193.0	193.0	191.4	191.4	189.6	189.6	188.0	188.0	184.6	188.0
62.5°	142.7	144.3	144.3	144.3	146.0	144.3	142.7	144.3	142.7	142.7	144.3
65°	94.0	95.7	95.7	94.0	97.3	94.0	95.7	97.3	99.0	97.3	99.0
67.5°	63.8	63.8	65.5	67.1	65.5	67.1	68.8	67.1	68.8	72.2	68.8
70°	47.0	48.7	48.7	47.0	45.3	47.0	45.3	50.4	50.4	50.4	53.7
72.5°	30.2	30.2	28.5	28.5	28.5	28.5	28.5	33.6	30.2	28.5	31.9
75°	16.8	18.4	18.4	13.4	15.1	18.4	13.4	15.1	20.2	16.8	20.2
77.5°	10.1	10.1	10.1	10.1	10.1	10.1	13.4	11.7	11.7	11.7	13.4
80°	8.4	6.7	6.7	5.0	6.7	6.7	6.7	10.1	8.4	8.4	10.1
82.5°	3.4	3.4	1.7	0.0	3.4	3.4	3.4	3.4	3.4	3.4	6.7
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: P248974

CATALOG NUMBER: LD8B60D010 ER8B60827 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3437.3	3437.3	3437.3	3437.3	3437.3	3437.3	3437.3	3437.3	3437.3	3437.3	3437.3
2.5°	3434.0	3434.0	3432.3	3429.0	3422.2	3422.2	3420.6	3415.5	3412.2	3410.5	3410.5
5°	3417.2	3410.5	3403.8	3385.3	3385.3	3381.9	3371.9	3365.1	3361.8	3353.4	3350.1
7.5°	3402.1	3381.9	3370.2	3358.4	3343.4	3336.6	3324.9	3319.8	3308.1	3299.7	3294.7
10°	3365.1	3351.7	3336.6	3318.2	3306.4	3293.0	3279.6	3269.5	3254.4	3246.0	3239.3
12.5°	3340.0	3319.8	3306.4	3286.3	3266.1	3254.4	3236.0	3224.2	3209.1	3192.3	3182.2
15°	3316.5	3294.7	3276.2	3254.4	3232.6	3219.2	3197.3	3183.9	3162.1	3145.3	3133.6
17.5°	3281.3	3262.8	3242.7	3215.8	3195.7	3178.9	3155.3	3138.6	3118.4	3096.6	3084.9
20°	3244.3	3222.5	3202.4	3175.5	3155.3	3135.2	3111.7	3093.3	3069.7	3049.6	3036.2
22.5°	3195.7	3170.5	3153.7	3126.8	3103.3	3081.6	3059.7	3037.9	3016.1	2999.3	2984.1
25°	3125.1	3098.3	3079.8	3058.0	3036.2	3019.5	2992.6	2979.2	2957.3	2942.2	2927.1
27.5°	3024.4	3004.3	2987.5	2965.7	2947.3	2933.9	2913.7	2900.3	2881.8	2868.4	2856.6
30°	2876.8	2860.0	2844.9	2823.0	2809.6	2797.9	2779.4	2767.6	2754.2	2739.1	2735.8
32.5°	2678.7	2665.3	2650.2	2635.1	2625.0	2618.3	2603.2	2596.5	2583.0	2574.6	2566.3
35°	2379.9	2368.2	2359.8	2353.1	2349.8	2351.4	2348.1	2354.8	2358.1	2356.5	2358.1
37.5°	1988.9	1982.2	1985.5	1990.6	2007.4	2029.2	2049.3	2079.5	2099.7	2119.8	2138.3
40°	1552.5	1557.6	1571.0	1601.2	1644.8	1693.5	1738.8	1795.9	1853.0	1893.2	1930.1
42.5°	1171.5	1186.7	1220.2	1263.8	1329.3	1401.4	1472.0	1555.8	1624.7	1691.8	1738.8
45°	881.2	901.3	944.9	1005.4	1077.5	1161.4	1250.4	1344.4	1426.7	1495.5	1547.5
47.5°	686.5	704.9	748.6	812.4	901.3	988.6	1080.9	1178.2	1263.8	1331.0	1376.3
50°	542.1	565.6	604.2	671.4	760.3	852.6	948.3	1043.9	1124.5	1181.6	1221.9
52.5°	426.3	448.1	485.0	555.6	646.2	738.5	827.4	921.4	991.9	1047.3	1074.2
55°	330.6	350.8	389.4	448.1	533.7	624.4	713.3	793.9	859.3	899.6	924.8
57.5°	251.7	266.9	293.7	352.5	429.7	513.6	589.1	669.7	720.1	748.6	765.3
60°	191.4	203.1	231.6	277.0	347.4	419.6	483.4	543.8	584.1	607.6	624.4
62.5°	144.3	157.8	177.9	216.5	270.2	329.0	382.7	428.0	461.5	476.7	488.4
65°	99.0	109.1	124.2	154.4	199.7	241.7	283.7	317.2	339.1	355.9	362.6
67.5°	73.9	80.6	89.0	112.5	144.3	177.9	206.4	229.9	253.5	260.2	271.9
70°	55.4	60.4	68.8	85.6	104.0	127.5	151.1	164.5	181.3	193.0	196.4
72.5°	35.2	36.9	45.3	55.4	70.5	85.6	100.7	112.5	122.6	129.3	132.6
75°	20.2	30.2	30.2	40.3	50.4	57.1	67.1	75.5	80.6	85.6	85.6
77.5°	13.4	18.4	20.2	25.1	30.2	38.6	47.0	52.0	57.1	58.7	58.7
80°	11.7	13.4	13.4	18.4	21.8	28.5	33.6	35.2	38.6	40.3	43.7
82.5°	5.0	6.7	8.4	13.4	15.1	15.1	20.2	21.8	25.1	26.9	26.9
85°	1.7	3.4	3.4	5.0	8.4	10.1	11.7	13.4	15.1	15.1	16.8
87.5°	1.7	1.7	0.0	1.7	3.4	3.4	6.7	6.7	6.7	10.1	10.1
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: P248974

CATALOG NUMBER: LD8B60D010 ER8B60827 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	3437.3	3437.3	3437.3	3437.3	3437.3	3437.3	3437.3
2.5°	3407.1	3408.8	3402.1	3400.4	3397.1	3398.7	3402.1
5°	3345.0	3346.7	3340.0	3333.3	3333.3	3331.6	3333.3
7.5°	3286.3	3288.0	3277.9	3274.5	3267.8	3269.5	3269.5
10°	3227.5	3227.5	3212.5	3210.7	3205.7	3204.0	3204.0
12.5°	3170.5	3165.4	3153.7	3147.0	3150.4	3140.3	3140.3
15°	3120.1	3111.7	3096.6	3091.6	3083.2	3079.8	3079.8
17.5°	3068.1	3061.4	3048.0	3037.9	3027.8	3026.2	3027.8
20°	3017.7	3011.0	2994.2	2987.5	2979.2	2979.2	2975.8
22.5°	2967.4	2960.7	2945.6	2940.6	2928.8	2928.8	2930.5
25°	2915.3	2910.3	2893.5	2890.2	2888.5	2881.8	2885.2
27.5°	2844.9	2841.5	2828.1	2823.0	2816.3	2814.7	2818.0
30°	2715.6	2710.6	2700.6	2695.5	2683.8	2685.4	2688.7
32.5°	2554.5	2547.8	2534.3	2529.3	2519.3	2515.9	2517.6
35°	2353.1	2348.1	2336.3	2336.3	2326.3	2322.9	2326.3
37.5°	2148.4	2153.3	2148.4	2153.3	2148.4	2146.6	2148.4
40°	1955.4	1973.8	1977.1	1995.6	1988.9	1998.9	1997.3
42.5°	1770.7	1800.9	1812.7	1827.8	1824.4	1831.1	1836.2
45°	1584.4	1609.6	1621.3	1631.4	1633.1	1636.5	1638.1
47.5°	1408.1	1428.3	1430.0	1441.7	1440.1	1440.1	1445.1
50°	1243.7	1257.1	1260.4	1268.9	1262.2	1258.8	1260.4
52.5°	1091.0	1104.4	1101.0	1104.4	1096.0	1092.6	1094.3
55°	934.8	941.5	941.5	941.5	931.5	931.5	931.5
57.5°	775.4	777.1	773.7	775.4	773.7	763.7	762.0
60°	629.4	629.4	627.7	629.4	624.4	619.3	619.3
62.5°	491.7	495.1	501.8	495.1	491.7	495.1	490.1
65°	367.6	374.3	372.6	376.0	374.3	374.3	370.9
67.5°	277.0	278.6	280.3	282.0	282.0	282.0	282.0
70°	203.1	208.1	206.4	206.4	206.4	206.4	216.5
72.5°	136.0	142.7	141.0	144.3	144.3	147.7	144.3
75°	92.3	99.0	95.7	100.7	99.0	95.7	104.0
77.5°	62.1	65.5	67.1	68.8	67.1	65.5	67.1
80°	43.7	47.0	45.3	47.0	47.0	47.0	48.7
82.5°	26.9	31.9	30.2	31.9	30.2	31.9	31.9
85°	18.4	20.2	16.8	20.2	18.4	18.4	21.8
87.5°	11.7	10.1	10.1	11.7	10.1	11.7	10.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)