

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: P248650

Luminaire Tested: **LD8B60D010 ER8B60827 8LBSW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248650
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 8LBSW0WMH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 2700 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5800.0 lumens
Efficiency: N/A
Efficacy: 97.5 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

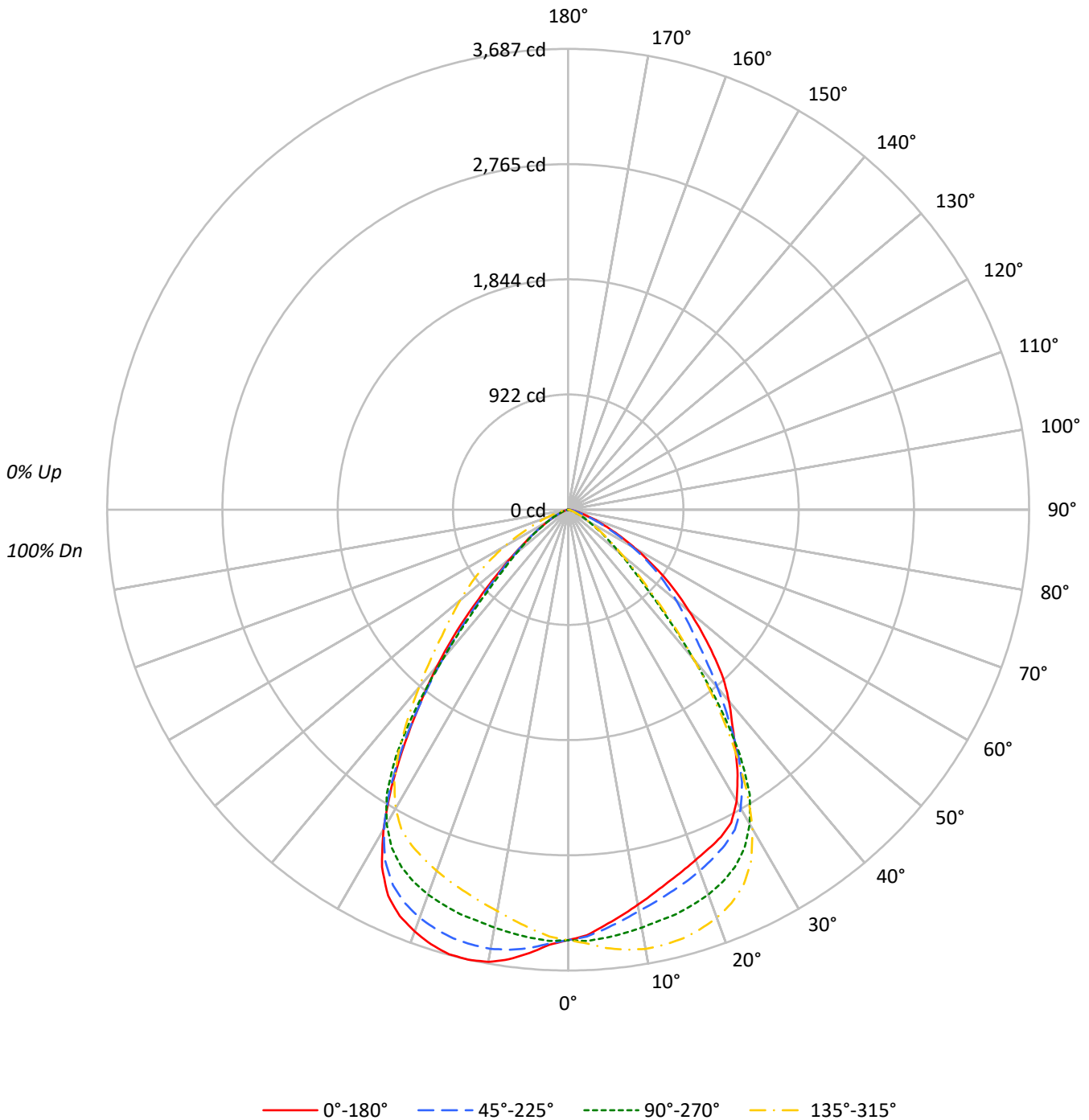
Input Watts (W): 59.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	106179	106179	106179	106179
5°	103359	106426	110228	106426
10°	100499	106289	115028	106289
15°	98489	106920	117545	106920
20°	97819	107529	117846	107529
25°	98333	107315	115954	107315
30°	95903	103388	105243	103388
35°	87722	90188	85569	90188
40°	80536	62736	65513	62736
45°	71558	38271	44285	38271
50°	60570	25565	28390	25565
55°	50165	17446	18440	17446
60°	38262	11613	11718	11613
65°	27114	7238	6625	7238
70°	19556	4851	4400	4851
75°	12415	2407	2002	2407
80°	8666	1794	1492	1794
85°	7748	0	601	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	327.7	5.7
10°-20°	949.1	16.4
20°-30°	1437.1	24.8
30°-40°	1440.3	24.8
40°-50°	904.4	15.6
50°-60°	482.0	8.3
60°-70°	198.2	3.4
70°-80°	52.4	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°	2713.9	46.8
0°-40°	4154.2	71.6
0°-60°	5540.6	95.5
0°-90°	5800.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5800.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3443	3443	3443	3443	3443	
5°	3339	3438	3561	3438	3339	315
15°	3085	3349	3682	3349	3085	873
25°	2890	3154	3408	3154	2890	1326
35°	2330	2396	2273	2396	2330	1460
45°	1641	878	1016	878	1641	1262
55°	933	324	343	324	933	832
65°	372	99	91	99	372	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°	3443.3	3443.3	3443.3	3443.3	3443.3	3443.3	3443.3	3443.3	3443.3	3443.3	3443.3
2.5°	3408.0	3404.6	3402.9	3406.3	3408.0	3414.7	3413.0	3416.4	3416.4	3418.1	3421.4
5°	3339.1	3337.3	3339.1	3339.1	3345.8	3352.5	3350.8	3355.9	3359.2	3367.6	3371.0
7.5°	3275.2	3275.2	3273.5	3280.2	3283.6	3293.7	3291.9	3300.4	3305.4	3313.8	3325.6
10°	3209.6	3209.6	3211.2	3216.3	3218.0	3233.1	3233.1	3244.9	3251.6	3260.0	3275.2
12.5°	3145.7	3145.7	3155.8	3152.4	3159.1	3170.9	3175.9	3187.7	3197.8	3214.6	3229.8
15°	3085.1	3085.1	3088.5	3096.9	3102.0	3117.1	3125.5	3139.0	3150.8	3167.6	3189.4
17.5°	3033.0	3031.4	3033.0	3043.1	3053.2	3066.7	3073.4	3090.2	3102.0	3123.8	3144.0
20°	2980.9	2984.3	2984.3	2992.7	2999.4	3016.2	3022.9	3041.5	3054.9	3075.0	3098.6
22.5°	2935.5	2933.9	2933.9	2945.6	2950.7	2965.8	2972.5	2989.3	3004.5	3021.3	3043.1
25°	2890.1	2886.7	2893.5	2895.2	2898.5	2915.3	2920.4	2932.1	2947.3	2962.5	2984.3
27.5°	2822.9	2819.5	2821.2	2827.9	2833.0	2846.4	2849.8	2861.6	2873.3	2886.7	2905.3
30°	2693.4	2690.1	2688.4	2700.2	2705.2	2715.3	2720.3	2740.5	2743.8	2759.0	2772.4
32.5°	2521.9	2520.2	2523.6	2533.7	2538.7	2552.2	2558.9	2570.7	2579.1	2587.5	2600.9
35°	2330.3	2326.9	2330.3	2340.4	2340.4	2352.1	2357.2	2362.2	2360.5	2362.2	2358.9
37.5°	2152.1	2150.4	2152.1	2157.1	2152.1	2157.1	2152.1	2142.0	2123.5	2103.3	2083.1
40°	2000.7	2002.4	1992.4	1999.1	1980.5	1977.2	1958.7	1933.5	1896.5	1856.2	1799.0
42.5°	1839.4	1834.3	1827.6	1830.9	1815.8	1804.0	1773.7	1741.8	1694.7	1627.5	1558.5
45°	1640.9	1639.3	1635.9	1634.2	1624.1	1612.4	1587.1	1550.2	1498.0	1429.1	1346.7
47.5°	1447.6	1442.5	1442.5	1444.2	1432.4	1430.8	1410.6	1378.7	1333.3	1266.0	1180.3
50°	1262.6	1261.0	1264.3	1271.1	1262.6	1259.3	1245.9	1224.0	1183.7	1126.5	1045.7
52.5°	1096.2	1094.5	1097.9	1106.3	1102.9	1106.3	1092.9	1076.0	1049.1	993.6	923.0
55°	933.1	933.1	933.1	943.2	943.2	943.2	936.5	926.4	901.2	860.8	795.3
57.5°	763.3	765.0	775.1	776.7	775.1	778.5	776.7	766.6	749.9	721.3	670.9
60°	620.4	620.4	625.5	630.5	628.8	630.5	630.5	625.5	608.6	585.1	544.8
62.5°	490.9	496.0	492.6	496.0	502.7	496.0	492.6	489.3	477.5	462.3	428.7
65°	371.6	374.9	374.9	376.6	373.2	374.9	368.2	363.2	356.5	339.6	317.8
67.5°	282.5	282.5	282.5	282.5	280.8	279.1	277.4	272.4	260.6	253.9	230.3
70°	216.9	206.8	206.8	206.8	206.8	208.5	203.5	196.7	193.4	181.6	164.8
72.5°	144.6	148.0	144.6	144.6	141.2	142.9	136.2	132.8	129.5	122.8	112.7
75°	104.2	95.8	99.2	100.9	95.8	99.2	92.5	85.7	85.7	80.7	75.6
77.5°	67.3	65.6	67.3	68.9	67.3	65.6	62.2	58.8	58.8	57.2	52.1
80°	48.8	47.1	47.1	47.1	45.4	47.1	43.7	43.7	40.3	38.7	35.3
82.5°	32.0	32.0	30.2	32.0	30.2	32.0	26.9	26.9	26.9	25.2	21.9
85°	21.9	18.5	18.5	20.2	16.8	20.2	18.5	16.8	15.2	15.2	13.4
87.5°	10.1	11.8	10.1	11.8	10.1	10.1	11.8	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°	3443.3	3443.3	3443.3	3443.3	3443.3	3443.3	3443.3	3443.3	3443.3	3443.3	3443.3
2.5°	3426.5	3428.1	3428.1	3434.9	3438.2	3439.9	3439.9	3453.4	3448.3	3451.7	3455.0
5°	3377.7	3387.8	3391.2	3391.2	3409.6	3416.4	3423.1	3438.2	3439.9	3450.0	3461.8
7.5°	3330.6	3342.4	3349.2	3364.2	3376.0	3387.8	3408.0	3418.1	3428.1	3441.6	3456.7
10°	3285.2	3298.7	3312.1	3323.9	3342.4	3357.5	3371.0	3394.5	3406.3	3424.8	3444.9
12.5°	3241.5	3260.0	3271.8	3291.9	3312.1	3325.6	3345.8	3367.6	3386.1	3404.6	3428.1
15°	3202.9	3224.7	3238.2	3260.0	3281.9	3300.4	3322.2	3349.2	3362.6	3384.5	3406.3
17.5°	3160.8	3184.4	3201.2	3221.3	3248.3	3268.4	3286.9	3313.8	3330.6	3354.1	3379.4
20°	3117.1	3140.7	3160.8	3181.0	3207.9	3228.1	3249.9	3276.8	3295.3	3318.8	3339.1
22.5°	3065.0	3086.9	3108.7	3132.2	3159.1	3175.9	3201.2	3224.7	3244.9	3266.7	3286.9
25°	2997.7	3024.7	3041.5	3063.3	3085.1	3103.6	3130.5	3154.1	3170.9	3191.1	3209.6
27.5°	2918.7	2938.9	2952.3	2970.8	2992.7	3009.5	3029.6	3053.2	3070.1	3088.5	3102.0
30°	2784.2	2802.7	2814.5	2827.9	2849.8	2864.9	2881.8	2903.6	2915.3	2928.8	2940.6
32.5°	2607.6	2622.8	2629.5	2639.6	2654.8	2669.9	2683.4	2701.8	2706.9	2715.3	2715.3
35°	2352.1	2355.5	2353.8	2357.2	2363.9	2372.3	2384.1	2395.8	2402.5	2402.5	2397.5
37.5°	2052.8	2032.7	2010.8	1994.0	1989.0	1985.6	1992.4	1997.3	2004.1	2007.4	1999.1
40°	1741.8	1696.4	1647.7	1603.9	1573.7	1560.3	1555.2	1558.5	1558.5	1570.3	1570.3
42.5°	1474.5	1403.9	1331.6	1266.0	1222.3	1188.7	1173.5	1173.5	1175.2	1183.7	1188.7
45°	1252.6	1163.4	1079.4	1007.1	946.6	902.8	882.7	877.6	876.0	879.3	891.1
47.5°	1082.8	990.3	902.8	813.8	749.9	706.1	687.7	680.9	674.2	680.9	682.6
50°	950.0	854.1	761.7	672.5	605.3	566.6	543.0	532.9	531.3	531.3	534.7
52.5°	828.8	739.8	647.3	556.5	485.9	448.9	427.1	422.0	415.3	422.0	422.0
55°	714.5	625.5	534.7	448.9	390.0	351.4	331.2	324.5	321.1	326.2	326.2
57.5°	590.2	514.5	430.4	353.1	294.3	267.3	252.2	243.8	242.1	245.5	242.1
60°	484.2	420.3	348.0	277.4	232.0	203.5	191.7	188.3	184.9	188.3	188.3
62.5°	383.3	329.5	270.7	216.9	178.2	158.1	144.6	144.6	142.9	142.9	144.6
65°	284.1	242.1	200.1	154.7	124.4	109.3	99.2	99.2	97.5	99.2	97.5
67.5°	206.8	178.2	144.6	112.7	89.1	80.7	74.0	68.9	72.3	68.9	67.3
70°	151.3	127.7	104.2	85.7	68.9	60.6	55.5	53.8	50.4	50.4	50.4
72.5°	100.9	85.7	70.6	55.5	45.4	37.0	35.3	32.0	28.6	30.2	33.6
75°	67.3	57.2	50.4	40.3	30.2	30.2	20.2	20.2	16.8	20.2	15.2
77.5°	47.1	38.7	30.2	25.2	20.2	18.5	13.4	13.4	11.8	11.8	11.8
80°	33.6	28.6	21.9	18.5	13.4	13.4	11.8	10.1	8.4	8.4	10.1
82.5°	20.2	15.2	15.2	13.4	8.4	6.7	5.1	6.7	3.4	3.4	3.4
85°	11.8	10.1	8.4	5.1	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°	3443.3	3443.3	3443.3	3443.3	3443.3	3443.3	3443.3	3443.3	3443.3	3443.3	3443.3
2.5°	3463.5	3461.8	3465.1	3465.1	3475.2	3473.5	3478.6	3478.6	3475.2	3476.9	3483.6
5°	3475.2	3480.3	3490.3	3498.8	3513.9	3520.6	3529.0	3537.5	3539.1	3544.2	3549.2
7.5°	3475.2	3492.1	3503.8	3518.9	3539.1	3550.9	3569.4	3584.5	3591.2	3599.6	3609.7
10°	3468.5	3485.3	3507.2	3524.0	3549.2	3567.7	3586.2	3609.7	3619.8	3633.2	3646.7
12.5°	3455.0	3473.5	3497.0	3518.9	3547.5	3564.3	3587.8	3609.7	3624.9	3643.3	3658.5
15°	3434.9	3456.7	3478.6	3500.4	3530.7	3550.9	3572.8	3597.9	3613.1	3633.2	3646.7
17.5°	3402.9	3426.5	3446.7	3466.8	3495.4	3518.9	3539.1	3562.7	3577.8	3594.6	3613.1
20°	3364.2	3386.1	3408.0	3424.8	3453.4	3473.5	3495.4	3517.3	3529.0	3532.4	3561.0
22.5°	3315.5	3330.6	3347.4	3374.3	3391.2	3409.6	3429.9	3450.0	3461.8	3480.3	3490.3
25°	3234.8	3249.9	3268.4	3280.2	3300.4	3315.5	3335.7	3357.5	3364.2	3377.7	3387.8
27.5°	3122.2	3130.5	3139.0	3149.0	3160.8	3169.2	3181.0	3191.1	3197.8	3204.5	3211.2
30°	2943.9	2943.9	2943.9	2937.2	2942.2	2947.3	2949.0	2947.3	2947.3	2945.6	2945.6
32.5°	2708.5	2695.1	2680.0	2666.5	2661.5	2654.8	2651.4	2646.3	2638.0	2632.9	2634.6
35°	2390.8	2360.5	2342.0	2325.2	2311.8	2301.7	2296.6	2291.6	2289.9	2283.2	2276.4
37.5°	1994.0	1972.2	1958.7	1948.6	1936.9	1926.8	1928.4	1930.1	1935.1	1931.8	1933.5
40°	1573.7	1568.6	1573.7	1561.9	1558.5	1561.9	1570.3	1582.1	1588.8	1595.5	1607.3
42.5°	1197.1	1205.5	1217.3	1217.3	1222.3	1229.0	1239.1	1257.6	1267.7	1279.4	1292.9
45°	901.2	911.3	926.4	931.4	934.8	943.2	955.0	970.1	976.8	986.9	998.7
47.5°	694.4	701.1	709.5	717.9	726.3	729.7	741.4	741.4	749.9	756.6	759.9
50°	541.4	548.1	554.8	559.9	563.2	568.3	571.6	576.7	578.3	581.7	583.4
52.5°	423.7	432.1	432.1	435.4	440.5	445.5	443.9	445.5	447.2	447.2	452.2
55°	331.2	331.2	336.3	336.3	339.6	337.9	339.6	339.6	339.6	339.6	341.3
57.5°	247.1	248.9	253.9	250.5	248.9	252.2	248.9	252.2	250.5	253.9	248.9
60°	190.0	190.0	191.7	191.7	193.4	193.4	193.4	191.7	191.7	190.0	190.0
62.5°	142.9	144.6	146.3	144.6	144.6	144.6	142.9	142.9	141.2	139.5	139.5
65°	95.8	94.2	97.5	94.2	95.8	95.8	94.2	95.8	90.8	92.5	90.8
67.5°	68.9	67.3	65.6	67.3	65.6	63.9	63.9	65.6	67.3	62.2	62.2
70°	45.4	47.1	45.4	47.1	48.8	48.8	47.1	45.4	47.1	43.7	45.4
72.5°	28.6	28.6	28.6	28.6	28.6	30.2	30.2	30.2	26.9	26.9	25.2
75°	13.4	18.5	15.2	13.4	18.5	18.5	16.8	16.8	15.2	15.2	15.2
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	5.1	6.7	6.7	8.4	6.7	6.7	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: P248650

CATALOG NUMBER: LD8B60D010 ER8B60827 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3443.3	3443.3	3443.3	3443.3	3443.3	3443.3	3443.3	3443.3	3443.3	3443.3	3443.3
2.5°	3482.0	3480.3	3482.0	3483.6	3482.0	3480.3	3482.0	3483.6	3476.9	3475.2	3478.6
5°	3555.9	3555.9	3559.3	3561.0	3559.3	3555.9	3555.9	3549.2	3544.2	3539.1	3537.5
7.5°	3619.8	3623.2	3626.5	3628.2	3626.5	3623.2	3619.8	3609.7	3599.6	3591.2	3584.5
10°	3658.5	3663.6	3670.3	3673.6	3670.3	3663.6	3658.5	3646.7	3633.2	3619.8	3609.7
12.5°	3675.3	3680.4	3688.7	3687.1	3688.7	3680.4	3675.3	3658.5	3643.3	3624.9	3609.7
15°	3663.6	3670.3	3678.6	3682.0	3678.6	3670.3	3663.6	3646.7	3633.2	3613.1	3597.9
17.5°	3626.5	3636.6	3641.7	3646.7	3641.7	3636.6	3626.5	3613.1	3594.6	3577.8	3562.7
20°	3576.1	3582.9	3589.6	3591.2	3589.6	3582.9	3576.1	3561.0	3532.4	3529.0	3517.3
22.5°	3503.8	3508.9	3524.0	3518.9	3524.0	3508.9	3503.8	3490.3	3480.3	3461.8	3450.0
25°	3399.5	3404.6	3406.3	3408.0	3406.3	3404.6	3399.5	3387.8	3377.7	3364.2	3357.5
27.5°	3219.7	3219.7	3223.0	3224.7	3223.0	3219.7	3219.7	3211.2	3204.5	3197.8	3191.1
30°	2947.3	2947.3	2947.3	2955.7	2947.3	2947.3	2947.3	2945.6	2945.6	2947.3	2947.3
32.5°	2632.9	2629.5	2626.2	2629.5	2626.2	2629.5	2632.9	2634.6	2632.9	2638.0	2646.3
35°	2276.4	2274.8	2279.8	2273.1	2279.8	2274.8	2276.4	2276.4	2283.2	2289.9	2291.6
37.5°	1935.1	1931.8	1938.5	1931.8	1938.5	1931.8	1935.1	1933.5	1931.8	1935.1	1930.1
40°	1610.7	1614.0	1614.0	1627.5	1614.0	1614.0	1610.7	1607.3	1595.5	1588.8	1582.1
42.5°	1299.6	1309.7	1306.3	1316.5	1306.3	1309.7	1299.6	1292.9	1279.4	1267.7	1257.6
45°	1005.4	1012.2	1012.2	1015.5	1012.2	1012.2	1005.4	998.7	986.9	976.8	970.1
47.5°	771.7	771.7	771.7	773.4	771.7	771.7	771.7	759.9	756.6	749.9	741.4
50°	586.8	588.4	590.2	591.8	590.2	588.4	586.8	583.4	581.7	578.3	576.7
52.5°	450.6	452.2	448.9	452.2	448.9	452.2	450.6	452.2	447.2	447.2	445.5
55°	341.3	339.6	341.3	343.0	341.3	339.6	341.3	341.3	339.6	339.6	339.6
57.5°	250.5	247.1	247.1	247.1	247.1	247.1	250.5	248.9	253.9	250.5	252.2
60°	186.6	188.3	188.3	190.0	188.3	188.3	186.6	190.0	190.0	191.7	191.7
62.5°	137.9	142.9	139.5	142.9	139.5	142.9	137.9	139.5	139.5	141.2	142.9
65°	89.1	89.1	89.1	90.8	89.1	89.1	89.1	90.8	92.5	90.8	95.8
67.5°	60.6	62.2	65.6	63.9	65.6	62.2	60.6	62.2	62.2	67.3	65.6
70°	48.8	43.7	43.7	48.8	43.7	43.7	48.8	45.4	43.7	47.1	45.4
72.5°	28.6	25.2	28.6	28.6	28.6	25.2	28.6	25.2	26.9	26.9	30.2
75°	15.2	13.4	11.8	16.8	11.8	13.4	15.2	15.2	15.2	15.2	16.8
77.5°	10.1	8.4	11.8	11.8	11.8	8.4	10.1	8.4	10.1	8.4	10.1
80°	5.1	6.7	5.1	8.4	5.1	6.7	5.1	8.4	5.1	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: P248650

CATALOG NUMBER: LD8B60D010 ER8B60827 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3443.3	3443.3	3443.3	3443.3	3443.3	3443.3	3443.3	3443.3	3443.3	3443.3	3443.3
2.5°	3478.6	3473.5	3475.2	3465.1	3465.1	3461.8	3463.5	3455.0	3451.7	3448.3	3453.4
5°	3529.0	3520.6	3513.9	3498.8	3490.3	3480.3	3475.2	3461.8	3450.0	3439.9	3438.2
7.5°	3569.4	3550.9	3539.1	3518.9	3503.8	3492.1	3475.2	3456.7	3441.6	3428.1	3418.1
10°	3586.2	3567.7	3549.2	3524.0	3507.2	3485.3	3468.5	3444.9	3424.8	3406.3	3394.5
12.5°	3587.8	3564.3	3547.5	3518.9	3497.0	3473.5	3455.0	3428.1	3404.6	3386.1	3367.6
15°	3572.8	3550.9	3530.7	3500.4	3478.6	3456.7	3434.9	3406.3	3384.5	3362.6	3349.2
17.5°	3539.1	3518.9	3495.4	3466.8	3446.7	3426.5	3402.9	3379.4	3354.1	3330.6	3313.8
20°	3495.4	3473.5	3453.4	3424.8	3408.0	3386.1	3364.2	3339.1	3318.8	3295.3	3276.8
22.5°	3429.9	3409.6	3391.2	3374.3	3347.4	3330.6	3315.5	3286.9	3266.7	3244.9	3224.7
25°	3335.7	3315.5	3300.4	3280.2	3268.4	3249.9	3234.8	3209.6	3191.1	3170.9	3154.1
27.5°	3181.0	3169.2	3160.8	3149.0	3139.0	3130.5	3122.2	3102.0	3088.5	3070.1	3053.2
30°	2949.0	2947.3	2942.2	2937.2	2943.9	2943.9	2943.9	2940.6	2928.8	2915.3	2903.6
32.5°	2651.4	2654.8	2661.5	2666.5	2680.0	2695.1	2708.5	2715.3	2715.3	2706.9	2701.8
35°	2296.6	2301.7	2311.8	2325.2	2342.0	2360.5	2390.8	2397.5	2402.5	2402.5	2395.8
37.5°	1928.4	1926.8	1936.9	1948.6	1958.7	1972.2	1994.0	1999.1	2007.4	2004.1	1997.3
40°	1570.3	1561.9	1558.5	1561.9	1573.7	1568.6	1573.7	1570.3	1570.3	1558.5	1558.5
42.5°	1239.1	1229.0	1222.3	1217.3	1217.3	1205.5	1197.1	1188.7	1183.7	1175.2	1173.5
45°	955.0	943.2	934.8	931.4	926.4	911.3	901.2	891.1	879.3	876.0	877.6
47.5°	741.4	729.7	726.3	717.9	709.5	701.1	694.4	682.6	680.9	674.2	680.9
50°	571.6	568.3	563.2	559.9	554.8	548.1	541.4	534.7	531.3	531.3	532.9
52.5°	443.9	445.5	440.5	435.4	432.1	432.1	423.7	422.0	422.0	415.3	422.0
55°	339.6	337.9	339.6	336.3	336.3	331.2	331.2	326.2	326.2	321.1	324.5
57.5°	248.9	252.2	248.9	250.5	253.9	248.9	247.1	242.1	245.5	242.1	243.8
60°	193.4	193.4	193.4	191.7	191.7	190.0	190.0	188.3	188.3	184.9	188.3
62.5°	142.9	144.6	144.6	144.6	146.3	144.6	142.9	144.6	142.9	142.9	144.6
65°	94.2	95.8	95.8	94.2	97.5	94.2	95.8	97.5	99.2	97.5	99.2
67.5°	63.9	63.9	65.6	67.3	65.6	67.3	68.9	67.3	68.9	72.3	68.9
70°	47.1	48.8	48.8	47.1	45.4	47.1	45.4	50.4	50.4	50.4	53.8
72.5°	30.2	30.2	28.6	28.6	28.6	28.6	28.6	33.6	30.2	28.6	32.0
75°	16.8	18.5	18.5	13.4	15.2	18.5	13.4	15.2	20.2	16.8	20.2
77.5°	10.1	10.1	10.1	10.1	10.1	10.1	13.4	11.8	11.8	11.8	13.4
80°	8.4	6.7	6.7	5.1	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: P248650

CATALOG NUMBER: LD8B60D010 ER8B60827 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3443.3	3443.3	3443.3	3443.3	3443.3	3443.3	3443.3	3443.3	3443.3	3443.3	3443.3
2.5°	3439.9	3439.9	3438.2	3434.9	3428.1	3428.1	3426.5	3421.4	3418.1	3416.4	3416.4
5°	3423.1	3416.4	3409.6	3391.2	3391.2	3387.8	3377.7	3371.0	3367.6	3359.2	3355.9
7.5°	3408.0	3387.8	3376.0	3364.2	3349.2	3342.4	3330.6	3325.6	3313.8	3305.4	3300.4
10°	3371.0	3357.5	3342.4	3323.9	3312.1	3298.7	3285.2	3275.2	3260.0	3251.6	3244.9
12.5°	3345.8	3325.6	3312.1	3291.9	3271.8	3260.0	3241.5	3229.8	3214.6	3197.8	3187.7
15°	3322.2	3300.4	3281.9	3260.0	3238.2	3224.7	3202.9	3189.4	3167.6	3150.8	3139.0
17.5°	3286.9	3268.4	3248.3	3221.3	3201.2	3184.4	3160.8	3144.0	3123.8	3102.0	3090.2
20°	3249.9	3228.1	3207.9	3181.0	3160.8	3140.7	3117.1	3098.6	3075.0	3054.9	3041.5
22.5°	3201.2	3175.9	3159.1	3132.2	3108.7	3086.9	3065.0	3043.1	3021.3	3004.5	2989.3
25°	3130.5	3103.6	3085.1	3063.3	3041.5	3024.7	2997.7	2984.3	2962.5	2947.3	2932.1
27.5°	3029.6	3009.5	2992.7	2970.8	2952.3	2938.9	2918.7	2905.3	2886.7	2873.3	2861.6
30°	2881.8	2864.9	2849.8	2827.9	2814.5	2802.7	2784.2	2772.4	2759.0	2743.8	2740.5
32.5°	2683.4	2669.9	2654.8	2639.6	2629.5	2622.8	2607.6	2600.9	2587.5	2579.1	2570.7
35°	2384.1	2372.3	2363.9	2357.2	2353.8	2355.5	2352.1	2358.9	2362.2	2360.5	2362.2
37.5°	1992.4	1985.6	1989.0	1994.0	2010.8	2032.7	2052.8	2083.1	2103.3	2123.5	2142.0
40°	1555.2	1560.3	1573.7	1603.9	1647.7	1696.4	1741.8	1799.0	1856.2	1896.5	1933.5
42.5°	1173.5	1188.7	1222.3	1266.0	1331.6	1403.9	1474.5	1558.5	1627.5	1694.7	1741.8
45°	882.7	902.8	946.6	1007.1	1079.4	1163.4	1252.6	1346.7	1429.1	1498.0	1550.2
47.5°	687.7	706.1	749.9	813.8	902.8	990.3	1082.8	1180.3	1266.0	1333.3	1378.7
50°	543.0	566.6	605.3	672.5	761.7	854.1	950.0	1045.7	1126.5	1183.7	1224.0
52.5°	427.1	448.9	485.9	556.5	647.3	739.8	828.8	923.0	993.6	1049.1	1076.0
55°	331.2	351.4	390.0	448.9	534.7	625.5	714.5	795.3	860.8	901.2	926.4
57.5°	252.2	267.3	294.3	353.1	430.4	514.5	590.2	670.9	721.3	749.9	766.6
60°	191.7	203.5	232.0	277.4	348.0	420.3	484.2	544.8	585.1	608.6	625.5
62.5°	144.6	158.1	178.2	216.9	270.7	329.5	383.3	428.7	462.3	477.5	489.3
65°	99.2	109.3	124.4	154.7	200.1	242.1	284.1	317.8	339.6	356.5	363.2
67.5°	74.0	80.7	89.1	112.7	144.6	178.2	206.8	230.3	253.9	260.6	272.4
70°	55.5	60.6	68.9	85.7	104.2	127.7	151.3	164.8	181.6	193.4	196.7
72.5°	35.3	37.0	45.4	55.5	70.6	85.7	100.9	112.7	122.8	129.5	132.8
75°	20.2	30.2	30.2	40.3	50.4	57.2	67.3	75.6	80.7	85.7	85.7
77.5°	13.4	18.5	20.2	25.2	30.2	38.7	47.1	52.1	57.2	58.8	58.8
80°	11.8	13.4	13.4	18.5	21.9	28.6	33.6	35.3	38.7	40.3	43.7
82.5°	5.1	6.7	8.4	13.4	15.2	15.2	20.2	21.9	25.2	26.9	26.9
85°	1.7	3.4	3.4	5.1	8.4	10.1	11.8	13.4	15.2	15.2	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: P248650

CATALOG NUMBER: LD8B60D010 ER8B60827 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	3443.3	3443.3	3443.3	3443.3	3443.3	3443.3	3443.3
2.5°	3413.0	3414.7	3408.0	3406.3	3402.9	3404.6	3408.0
5°	3350.8	3352.5	3345.8	3339.1	3339.1	3337.3	3339.1
7.5°	3291.9	3293.7	3283.6	3280.2	3273.5	3275.2	3275.2
10°	3233.1	3233.1	3218.0	3216.3	3211.2	3209.6	3209.6
12.5°	3175.9	3170.9	3159.1	3152.4	3155.8	3145.7	3145.7
15°	3125.5	3117.1	3102.0	3096.9	3088.5	3085.1	3085.1
17.5°	3073.4	3066.7	3053.2	3043.1	3033.0	3031.4	3033.0
20°	3022.9	3016.2	2999.4	2992.7	2984.3	2984.3	2980.9
22.5°	2972.5	2965.8	2950.7	2945.6	2933.9	2933.9	2935.5
25°	2920.4	2915.3	2898.5	2895.2	2893.5	2886.7	2890.1
27.5°	2849.8	2846.4	2833.0	2827.9	2821.2	2819.5	2822.9
30°	2720.3	2715.3	2705.2	2700.2	2688.4	2690.1	2693.4
32.5°	2558.9	2552.2	2538.7	2533.7	2523.6	2520.2	2521.9
35°	2357.2	2352.1	2340.4	2340.4	2330.3	2326.9	2330.3
37.5°	2152.1	2157.1	2152.1	2157.1	2152.1	2150.4	2152.1
40°	1958.7	1977.2	1980.5	1999.1	1992.4	2002.4	2000.7
42.5°	1773.7	1804.0	1815.8	1830.9	1827.6	1834.3	1839.4
45°	1587.1	1612.4	1624.1	1634.2	1635.9	1639.3	1640.9
47.5°	1410.6	1430.8	1432.4	1444.2	1442.5	1442.5	1447.6
50°	1245.9	1259.3	1262.6	1271.1	1264.3	1261.0	1262.6
52.5°	1092.9	1106.3	1102.9	1106.3	1097.9	1094.5	1096.2
55°	936.5	943.2	943.2	943.2	933.1	933.1	933.1
57.5°	776.7	778.5	775.1	776.7	775.1	765.0	763.3
60°	630.5	630.5	628.8	630.5	625.5	620.4	620.4
62.5°	492.6	496.0	502.7	496.0	492.6	496.0	490.9
65°	368.2	374.9	373.2	376.6	374.9	374.9	371.6
67.5°	277.4	279.1	280.8	282.5	282.5	282.5	282.5
70°	203.5	208.5	206.8	206.8	206.8	206.8	216.9
72.5°	136.2	142.9	141.2	144.6	144.6	148.0	144.6
75°	92.5	99.2	95.8	100.9	99.2	95.8	104.2
77.5°	62.2	65.6	67.3	68.9	67.3	65.6	67.3
80°	43.7	47.1	45.4	47.1	47.1	47.1	48.8
82.5°	26.9	32.0	30.2	32.0	30.2	32.0	32.0
85°	18.5	20.2	16.8	20.2	18.5	18.5	21.9
87.5°	11.8	10.1	10.1	11.8	10.1	11.8	10.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)