

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: P245975

Luminaire Tested: **LD8B50D010 ER8B50835 8LBSW0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245975
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: LD8B50D010 ER8B50835 8LBSW0MW
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 3500 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5448.0 lumens
Efficiency: N/A
Efficacy: 102.8 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

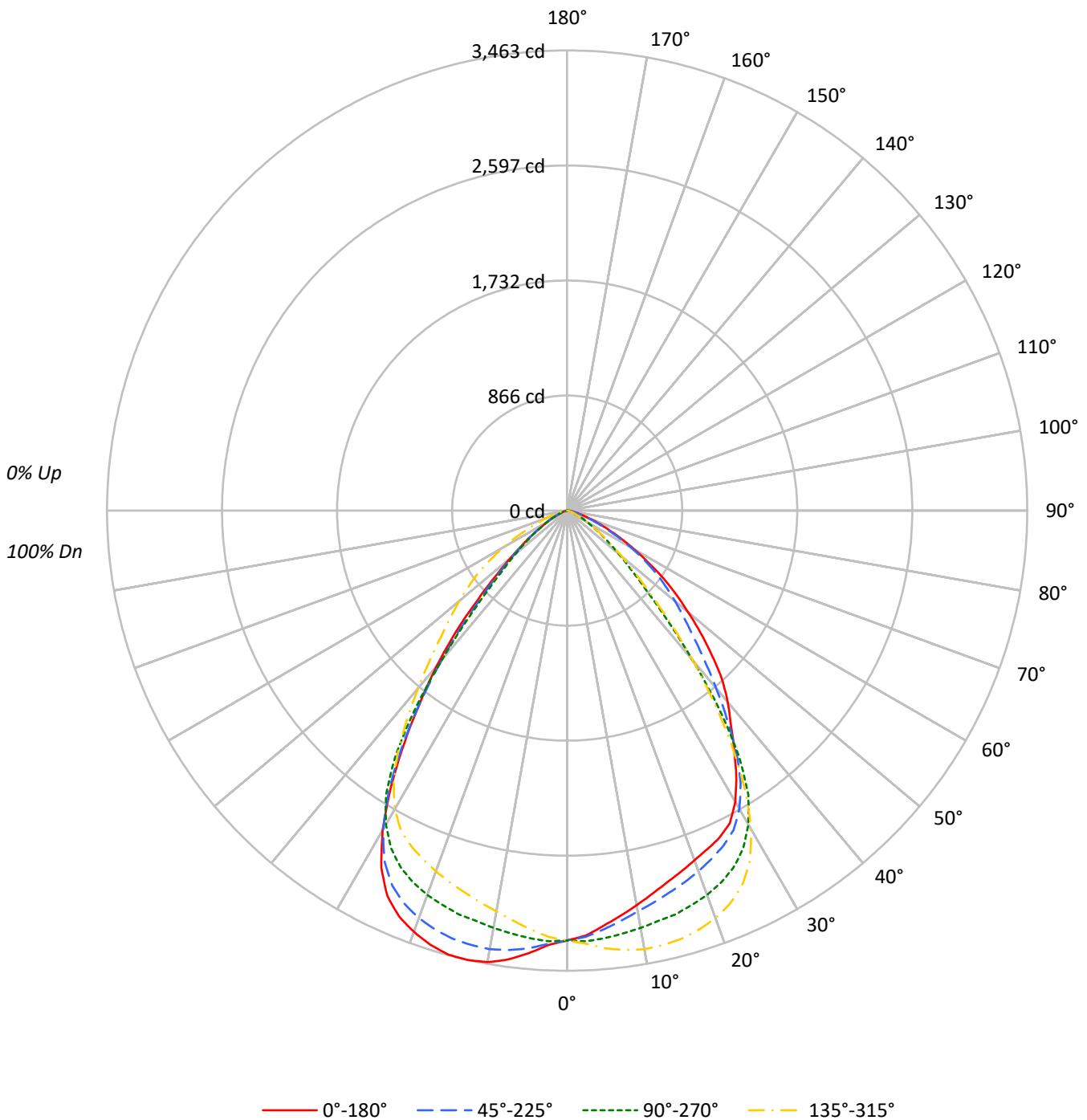
Input Watts (W): 53
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P245975

CATALOG NUMBER: LD8B50D010 ER8B50835 8LBSW0MW

Luminous Intensity Polar Plot





TEST NUMBER: P245975

CATALOG NUMBER: LD8B50D010 ER8B50835 8LBSW0MW

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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	90
2	105	99	94	89	102	97	92	88	93	90	86	90	87	84	87	85	83	81
3	98	90	83	78	95	88	82	78	85	80	76	83	79	75	80	77	74	72
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	65
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58
6	80	69	61	56	78	68	61	56	66	60	55	65	59	55	63	58	55	53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	55	49	46	44
9	66	54	47	42	65	54	47	42	53	47	42	52	46	42	51	46	42	40
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	99734	99734	99734	99734
5°	97084	99969	103538	99969
10°	94399	99838	108045	99838
15°	92513	100430	110413	100430
20°	91883	101006	110696	101006
25°	92365	100803	108918	100803
30°	90081	97110	98858	97110
35°	82399	84714	80378	84714
40°	75649	58928	61536	58928
45°	67219	35951	41599	35951
50°	56896	24015	26668	24015
55°	47122	16386	17322	16386
60°	35943	10910	11002	10910
65°	25465	6793	6224	6793
70°	18365	4553	4129	4553
75°	11664	2264	1882	2264
80°	8133	1687	1403	1687
85°	7253	0	566	0



TEST NUMBER: P245975

CATALOG NUMBER: LD8B50D010 ER8B50835 8LBSW0MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	307.8	5.7
10°-20°	891.5	16.4
20°-30°	1349.9	24.8
30°-40°	1352.9	24.8
40°-50°	849.5	15.6
50°-60°	452.7	8.3
60°-70°	186.2	3.4
70°-80°	49.2	0.9
80°-90°	8.3	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°	2549.2	46.8
0°-40°	3902.1	71.6
0°-60°	5204.3	95.5
0°-90°	5448.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5448.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3234	3234	3234	3234	3234	
5°	3136	3230	3345	3230	3136	296
15°	2898	3146	3459	3146	2898	820
25°	2715	2963	3201	2963	2715	1245
35°	2189	2250	2135	2250	2189	1371
45°	1541	824	954	824	1541	1185
55°	876	305	322	305	876	781
65°	349	93	85	93	349	362
75°	98	19	16	19	98	111
85°	20	0	2	0	20	23
90°	0	0	0	0	0	



TEST NUMBER: P245975

CATALOG NUMBER: LD8B50D010 ER8B50835 8LBSW0MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	3234.3	3234.3	3234.3	3234.3	3234.3	3234.3	3234.3	3234.3	3234.3	3234.3	3234.3
2.5°	3201.2	3198.0	3196.4	3199.6	3201.2	3207.5	3205.9	3209.0	3209.0	3210.6	3213.8
5°	3136.4	3134.8	3136.4	3136.4	3142.7	3149.0	3147.5	3152.2	3155.3	3163.3	3166.4
7.5°	3076.4	3076.4	3074.8	3081.1	3084.3	3093.8	3092.1	3100.1	3104.8	3112.7	3123.7
10°	3014.8	3014.8	3016.3	3021.1	3022.7	3036.9	3036.9	3047.9	3054.2	3062.2	3076.4
12.5°	2954.8	2954.8	2964.3	2961.1	2967.4	2978.5	2983.2	2994.2	3003.7	3019.5	3033.8
15°	2897.9	2897.9	2901.1	2909.0	2913.7	2927.9	2935.8	2948.5	2959.5	2975.3	2995.9
17.5°	2849.0	2847.4	2849.0	2858.5	2867.9	2880.6	2886.9	2902.7	2913.7	2934.2	2953.2
20°	2800.0	2803.2	2803.2	2811.1	2817.4	2833.2	2839.5	2856.9	2869.5	2888.4	2910.6
22.5°	2757.4	2755.8	2755.8	2766.9	2771.6	2785.8	2792.1	2807.9	2822.1	2837.9	2858.5
25°	2714.7	2711.5	2717.9	2719.5	2722.6	2738.4	2743.1	2754.2	2768.4	2782.7	2803.2
27.5°	2651.6	2648.4	2650.0	2656.3	2661.0	2673.7	2676.8	2687.9	2698.9	2711.5	2729.0
30°	2529.9	2526.8	2525.2	2536.3	2541.0	2550.5	2555.2	2574.2	2577.3	2591.6	2604.2
32.5°	2368.9	2367.3	2370.5	2379.9	2384.6	2397.3	2403.6	2414.7	2422.5	2430.5	2443.1
35°	2188.9	2185.7	2188.9	2198.3	2198.3	2209.4	2214.1	2218.8	2217.3	2218.8	2215.7
37.5°	2021.5	2019.8	2021.5	2026.2	2021.5	2026.2	2021.5	2012.0	1994.6	1975.6	1956.7
40°	1879.3	1880.9	1871.4	1877.8	1860.3	1857.2	1839.9	1816.1	1781.4	1743.5	1689.8
42.5°	1727.7	1723.0	1716.7	1719.8	1705.6	1694.5	1666.1	1636.1	1591.9	1528.7	1463.9
45°	1541.4	1539.8	1536.6	1535.1	1525.6	1514.5	1490.8	1456.1	1407.1	1342.4	1265.0
47.5°	1359.7	1355.0	1355.0	1356.6	1345.5	1343.9	1325.0	1295.0	1252.4	1189.2	1108.6
50°	1186.0	1184.4	1187.6	1193.9	1186.0	1182.9	1170.3	1149.7	1111.8	1058.1	982.3
52.5°	1029.7	1028.1	1031.3	1039.1	1036.0	1039.1	1026.5	1010.7	985.5	933.3	867.0
55°	876.5	876.5	876.5	885.9	885.9	885.9	879.6	870.2	846.5	808.6	747.0
57.5°	717.0	718.5	728.0	729.6	728.0	731.2	729.6	720.1	704.4	677.5	630.1
60°	582.8	582.8	587.5	592.2	590.6	592.2	592.2	587.5	571.7	549.6	511.7
62.5°	461.1	465.9	462.7	465.9	472.2	465.9	462.7	459.6	448.5	434.3	402.7
65°	349.0	352.2	352.2	353.7	350.6	352.2	345.9	341.1	334.8	319.0	298.5
67.5°	265.3	265.3	265.3	265.3	263.7	262.2	260.6	255.9	244.8	238.5	216.3
70°	203.7	194.2	194.2	194.2	194.2	195.9	191.1	184.8	181.6	170.6	154.8
72.5°	135.8	139.0	135.8	135.8	132.7	134.2	127.9	124.7	121.6	115.3	105.8
75°	97.9	90.0	93.1	94.8	90.0	93.1	86.8	80.5	80.5	75.8	71.0
77.5°	63.2	61.6	63.2	64.7	63.2	61.6	58.4	55.3	55.3	53.7	48.9
80°	45.8	44.2	44.2	44.2	42.6	44.2	41.1	41.1	37.9	36.3	33.2
82.5°	30.0	30.0	28.4	30.0	28.4	30.0	25.3	25.3	25.3	23.7	20.5
85°	20.5	17.4	17.4	19.0	15.8	19.0	17.4	15.8	14.2	14.2	12.6
87.5°	9.5	11.1	9.5	11.1	9.5	9.5	11.1	9.5	9.5	6.3	6.3
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: P245975

CATALOG NUMBER: LD8B50D010 ER8B50835 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	3234.3	3234.3	3234.3	3234.3	3234.3	3234.3	3234.3	3234.3	3234.3	3234.3	3234.3
2.5°	3218.5	3220.1	3220.1	3226.4	3229.6	3231.1	3231.1	3243.8	3239.1	3242.2	3245.4
5°	3172.7	3182.2	3185.4	3185.4	3202.7	3209.0	3215.3	3229.6	3231.1	3240.6	3251.7
7.5°	3128.5	3139.5	3145.9	3160.1	3171.1	3182.2	3201.2	3210.6	3220.1	3232.7	3246.9
10°	3085.8	3098.5	3111.1	3122.2	3139.5	3153.8	3166.4	3188.5	3199.6	3216.9	3235.9
12.5°	3044.8	3062.2	3073.2	3092.1	3111.1	3123.7	3142.7	3163.3	3180.6	3198.0	3220.1
15°	3008.5	3029.0	3041.6	3062.2	3082.7	3100.1	3120.6	3145.9	3158.5	3179.1	3199.6
17.5°	2969.0	2991.1	3006.9	3025.8	3051.1	3070.0	3087.5	3112.7	3128.5	3150.6	3174.3
20°	2927.9	2950.0	2969.0	2987.9	3013.2	3032.1	3052.7	3078.0	3095.3	3117.4	3136.4
22.5°	2879.0	2899.5	2920.0	2942.1	2967.4	2983.2	3006.9	3029.0	3047.9	3068.5	3087.5
25°	2815.8	2841.1	2856.9	2877.4	2897.9	2915.3	2940.6	2962.7	2978.5	2997.4	3014.8
27.5°	2741.6	2760.6	2773.2	2790.5	2811.1	2826.9	2845.8	2867.9	2883.7	2901.1	2913.7
30°	2615.2	2632.6	2643.7	2656.3	2676.8	2691.1	2706.9	2727.3	2738.4	2751.1	2762.1
32.5°	2449.4	2463.6	2469.9	2479.4	2493.7	2507.8	2520.5	2537.9	2542.6	2550.5	2550.5
35°	2209.4	2212.5	2211.0	2214.1	2220.4	2228.3	2239.4	2250.4	2256.7	2256.7	2252.0
37.5°	1928.3	1909.3	1888.8	1873.0	1868.3	1865.1	1871.4	1876.1	1882.5	1885.6	1877.8
40°	1636.1	1593.5	1547.7	1506.6	1478.2	1465.6	1460.8	1463.9	1463.9	1475.0	1475.0
42.5°	1385.0	1318.7	1250.8	1189.2	1148.1	1116.6	1102.3	1102.3	1103.9	1111.8	1116.6
45°	1176.6	1092.8	1013.9	946.0	889.1	848.0	829.1	824.4	822.8	825.9	837.0
47.5°	1017.0	930.2	848.0	764.4	704.4	663.3	645.9	639.6	633.3	639.6	641.2
50°	892.3	802.3	715.4	631.7	568.5	532.2	510.1	500.6	499.0	499.0	502.2
52.5°	778.5	694.9	608.0	522.8	456.4	421.7	401.1	396.4	390.1	396.4	396.4
55°	671.2	587.5	502.2	421.7	366.4	330.1	311.1	304.8	301.6	306.4	306.4
57.5°	554.3	483.2	404.3	331.6	276.4	251.1	236.9	229.0	227.4	230.6	227.4
60°	454.8	394.8	326.9	260.6	218.0	191.1	180.1	176.9	173.7	176.9	176.9
62.5°	360.1	309.5	254.2	203.7	167.4	148.5	135.8	135.8	134.2	134.2	135.8
65°	266.9	227.4	187.9	145.3	116.9	102.6	93.1	93.1	91.6	93.1	91.6
67.5°	194.2	167.4	135.8	105.8	83.7	75.8	69.5	64.7	67.9	64.7	63.2
70°	142.2	120.0	97.9	80.5	64.7	56.9	52.1	50.5	47.4	47.4	47.4
72.5°	94.8	80.5	66.3	52.1	42.6	34.7	33.2	30.0	26.8	28.4	31.6
75°	63.2	53.7	47.4	37.9	28.4	28.4	19.0	19.0	15.8	19.0	14.2
77.5°	44.2	36.3	28.4	23.7	19.0	17.4	12.6	12.6	11.1	11.1	11.1
80°	31.6	26.8	20.5	17.4	12.6	12.6	11.1	9.5	7.9	7.9	9.5
82.5°	19.0	14.2	14.2	12.6	7.9	6.3	4.7	6.3	3.2	3.2	3.2
85°	11.1	9.5	7.9	4.7	3.2	3.2	1.6	0.0	1.6	1.6	0.0
87.5°	6.3	3.2	3.2	1.6	0.0	1.6	1.6	0.0	0.0	0.0	3.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P245975

CATALOG NUMBER: LD8B50D010 ER8B50835 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	3234.3	3234.3	3234.3	3234.3	3234.3	3234.3	3234.3	3234.3	3234.3	3234.3	3234.3
2.5°	3253.3	3251.7	3254.8	3254.8	3264.3	3262.7	3267.5	3267.5	3264.3	3265.9	3272.2
5°	3264.3	3269.1	3278.5	3286.4	3300.6	3307.0	3314.8	3322.8	3324.3	3329.1	3333.8
7.5°	3264.3	3280.1	3291.2	3305.4	3324.3	3335.4	3352.7	3367.0	3373.3	3381.1	3390.6
10°	3258.0	3273.8	3294.3	3310.1	3333.8	3351.2	3368.5	3390.6	3400.1	3412.7	3425.4
12.5°	3245.4	3262.7	3284.8	3305.4	3332.2	3348.0	3370.1	3390.6	3404.9	3422.2	3436.5
15°	3226.4	3246.9	3267.5	3288.0	3316.4	3335.4	3355.9	3379.6	3393.8	3412.7	3425.4
17.5°	3196.4	3218.5	3237.5	3256.4	3283.3	3305.4	3324.3	3346.4	3360.7	3376.5	3393.8
20°	3160.1	3180.6	3201.2	3216.9	3243.8	3262.7	3283.3	3303.8	3314.8	3318.0	3344.9
22.5°	3114.3	3128.5	3144.3	3169.6	3185.4	3202.7	3221.7	3240.6	3251.7	3269.1	3278.5
25°	3038.5	3052.7	3070.0	3081.1	3100.1	3114.3	3133.2	3153.8	3160.1	3172.7	3182.2
27.5°	2932.7	2940.6	2948.5	2957.9	2969.0	2976.9	2987.9	2997.4	3003.7	3010.0	3016.3
30°	2765.2	2765.2	2765.2	2758.9	2763.7	2768.4	2770.0	2768.4	2768.4	2766.9	2766.9
32.5°	2544.2	2531.6	2517.3	2504.7	2500.0	2493.7	2490.5	2485.7	2477.9	2473.1	2474.7
35°	2245.7	2217.3	2199.9	2184.1	2171.5	2162.0	2157.3	2152.5	2151.0	2144.7	2138.3
37.5°	1873.0	1852.5	1839.9	1830.4	1819.3	1809.8	1811.4	1813.0	1817.7	1814.6	1816.1
40°	1478.2	1473.4	1478.2	1467.1	1463.9	1467.1	1475.0	1486.1	1492.4	1498.7	1509.8
42.5°	1124.4	1132.3	1143.4	1143.4	1148.1	1154.5	1163.9	1181.3	1190.7	1201.8	1214.5
45°	846.5	856.0	870.2	874.9	878.1	885.9	897.0	911.2	917.5	927.0	938.1
47.5°	652.2	658.5	666.4	674.3	682.2	685.4	696.4	696.4	704.4	710.7	713.8
50°	508.5	514.8	521.1	525.9	529.1	533.8	536.9	541.7	543.2	546.4	548.0
52.5°	398.0	405.9	405.9	409.0	413.7	418.5	416.9	418.5	420.1	420.1	424.8
55°	311.1	311.1	315.9	315.9	319.0	317.4	319.0	319.0	319.0	319.0	320.6
57.5°	232.1	233.8	238.5	235.3	233.8	236.9	233.8	236.9	235.3	238.5	233.8
60°	178.4	178.4	180.1	180.1	181.6	181.6	181.6	180.1	180.1	178.4	178.4
62.5°	134.2	135.8	137.4	135.8	135.8	135.8	134.2	134.2	132.7	131.0	131.0
65°	90.0	88.5	91.6	88.5	90.0	90.0	88.5	90.0	85.3	86.8	85.3
67.5°	64.7	63.2	61.6	63.2	61.6	60.0	60.0	61.6	63.2	58.4	58.4
70°	42.6	44.2	42.6	44.2	45.8	45.8	44.2	42.6	44.2	41.1	42.6
72.5°	26.8	26.8	26.8	26.8	26.8	28.4	28.4	28.4	25.3	25.3	23.7
75°	12.6	17.4	14.2	12.6	17.4	17.4	15.8	15.8	14.2	14.2	14.2
77.5°	12.6	9.5	9.5	9.5	9.5	9.5	9.5	9.5	7.9	9.5	7.9
80°	6.3	6.3	6.3	4.7	6.3	6.3	7.9	6.3	6.3	4.7	7.9
82.5°	3.2	3.2	3.2	0.0	1.6	3.2	3.2	1.6	3.2	3.2	1.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P245975

CATALOG NUMBER: LD8B50D010 ER8B50835 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3234.3	3234.3	3234.3	3234.3	3234.3	3234.3	3234.3	3234.3	3234.3	3234.3	3234.3
2.5°	3270.6	3269.1	3270.6	3272.2	3270.6	3269.1	3270.6	3272.2	3265.9	3264.3	3267.5
5°	3340.1	3340.1	3343.3	3344.9	3343.3	3340.1	3340.1	3333.8	3329.1	3324.3	3322.8
7.5°	3400.1	3403.3	3406.4	3408.0	3406.4	3403.3	3400.1	3390.6	3381.1	3373.3	3367.0
10°	3436.5	3441.2	3447.5	3450.6	3447.5	3441.2	3436.5	3425.4	3412.7	3400.1	3390.6
12.5°	3452.3	3457.0	3464.9	3463.3	3464.9	3457.0	3452.3	3436.5	3422.2	3404.9	3390.6
15°	3441.2	3447.5	3455.4	3458.6	3455.4	3447.5	3441.2	3425.4	3412.7	3393.8	3379.6
17.5°	3406.4	3415.9	3420.7	3425.4	3420.7	3415.9	3406.4	3393.8	3376.5	3360.7	3346.4
20°	3359.0	3365.4	3371.7	3373.3	3371.7	3365.4	3359.0	3344.9	3318.0	3314.8	3303.8
22.5°	3291.2	3295.9	3310.1	3305.4	3310.1	3295.9	3291.2	3278.5	3269.1	3251.7	3240.6
25°	3193.2	3198.0	3199.6	3201.2	3199.6	3198.0	3193.2	3182.2	3172.7	3160.1	3153.8
27.5°	3024.3	3024.3	3027.4	3029.0	3027.4	3024.3	3024.3	3016.3	3010.0	3003.7	2997.4
30°	2768.4	2768.4	2768.4	2776.4	2768.4	2768.4	2768.4	2766.9	2766.9	2768.4	2768.4
32.5°	2473.1	2469.9	2466.8	2469.9	2466.8	2469.9	2473.1	2474.7	2473.1	2477.9	2485.7
35°	2138.3	2136.7	2141.5	2135.2	2141.5	2136.7	2138.3	2138.3	2144.7	2151.0	2152.5
37.5°	1817.7	1814.6	1820.9	1814.6	1820.9	1814.6	1817.7	1816.1	1814.6	1817.7	1813.0
40°	1513.0	1516.1	1516.1	1528.7	1516.1	1516.1	1513.0	1509.8	1498.7	1492.4	1486.1
42.5°	1220.8	1230.3	1227.1	1236.6	1227.1	1230.3	1220.8	1214.5	1201.8	1190.7	1181.3
45°	944.4	950.7	950.7	953.9	950.7	950.7	944.4	938.1	927.0	917.5	911.2
47.5°	724.9	724.9	724.9	726.5	724.9	724.9	724.9	713.8	710.7	704.4	696.4
50°	551.2	552.7	554.3	555.9	554.3	552.7	551.2	548.0	546.4	543.2	541.7
52.5°	423.2	424.8	421.7	424.8	421.7	424.8	423.2	424.8	420.1	420.1	418.5
55°	320.6	319.0	320.6	322.2	320.6	319.0	320.6	320.6	319.0	319.0	319.0
57.5°	235.3	232.1	232.1	232.1	232.1	232.1	235.3	233.8	238.5	235.3	236.9
60°	175.3	176.9	176.9	178.4	176.9	176.9	175.3	178.4	178.4	180.1	180.1
62.5°	129.5	134.2	131.0	134.2	131.0	134.2	129.5	131.0	131.0	132.7	134.2
65°	83.7	83.7	83.7	85.3	83.7	83.7	83.7	85.3	86.8	85.3	90.0
67.5°	56.9	58.4	61.6	60.0	61.6	58.4	56.9	58.4	58.4	63.2	61.6
70°	45.8	41.1	41.1	45.8	41.1	41.1	45.8	42.6	41.1	44.2	42.6
72.5°	26.8	23.7	26.8	26.8	26.8	23.7	26.8	23.7	25.3	25.3	28.4
75°	14.2	12.6	11.1	15.8	11.1	12.6	14.2	14.2	14.2	14.2	15.8
77.5°	9.5	7.9	11.1	11.1	11.1	7.9	9.5	7.9	9.5	7.9	9.5
80°	4.7	6.3	4.7	7.9	4.7	6.3	4.7	7.9	4.7	6.3	6.3
82.5°	1.6	3.2	3.2	3.2	3.2	3.2	1.6	1.6	3.2	3.2	1.6
85°	0.0	3.2	1.6	1.6	1.6	3.2	0.0	0.0	0.0	0.0	0.0
87.5°	1.6	0.0	0.0	1.6	0.0	0.0	1.6	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P245975

CATALOG NUMBER: LD8B50D010 ER8B50835 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3234.3	3234.3	3234.3	3234.3	3234.3	3234.3	3234.3	3234.3	3234.3	3234.3	3234.3
2.5°	3267.5	3262.7	3264.3	3254.8	3254.8	3251.7	3253.3	3245.4	3242.2	3239.1	3243.8
5°	3314.8	3307.0	3300.6	3286.4	3278.5	3269.1	3264.3	3251.7	3240.6	3231.1	3229.6
7.5°	3352.7	3335.4	3324.3	3305.4	3291.2	3280.1	3264.3	3246.9	3232.7	3220.1	3210.6
10°	3368.5	3351.2	3333.8	3310.1	3294.3	3273.8	3258.0	3235.9	3216.9	3199.6	3188.5
12.5°	3370.1	3348.0	3332.2	3305.4	3284.8	3262.7	3245.4	3220.1	3198.0	3180.6	3163.3
15°	3355.9	3335.4	3316.4	3288.0	3267.5	3246.9	3226.4	3199.6	3179.1	3158.5	3145.9
17.5°	3324.3	3305.4	3283.3	3256.4	3237.5	3218.5	3196.4	3174.3	3150.6	3128.5	3112.7
20°	3283.3	3262.7	3243.8	3216.9	3201.2	3180.6	3160.1	3136.4	3117.4	3095.3	3078.0
22.5°	3221.7	3202.7	3185.4	3169.6	3144.3	3128.5	3114.3	3087.5	3068.5	3047.9	3029.0
25°	3133.2	3114.3	3100.1	3081.1	3070.0	3052.7	3038.5	3014.8	2997.4	2978.5	2962.7
27.5°	2987.9	2976.9	2969.0	2957.9	2948.5	2940.6	2932.7	2913.7	2901.1	2883.7	2867.9
30°	2770.0	2768.4	2763.7	2758.9	2765.2	2765.2	2765.2	2762.1	2751.1	2738.4	2727.3
32.5°	2490.5	2493.7	2500.0	2504.7	2517.3	2531.6	2544.2	2550.5	2550.5	2542.6	2537.9
35°	2157.3	2162.0	2171.5	2184.1	2199.9	2217.3	2245.7	2252.0	2256.7	2256.7	2250.4
37.5°	1811.4	1809.8	1819.3	1830.4	1839.9	1852.5	1873.0	1877.8	1885.6	1882.5	1876.1
40°	1475.0	1467.1	1463.9	1467.1	1478.2	1473.4	1478.2	1475.0	1475.0	1463.9	1463.9
42.5°	1163.9	1154.5	1148.1	1143.4	1143.4	1132.3	1124.4	1116.6	1111.8	1103.9	1102.3
45°	897.0	885.9	878.1	874.9	870.2	856.0	846.5	837.0	825.9	822.8	824.4
47.5°	696.4	685.4	682.2	674.3	666.4	658.5	652.2	641.2	639.6	633.3	639.6
50°	536.9	533.8	529.1	525.9	521.1	514.8	508.5	502.2	499.0	499.0	500.6
52.5°	416.9	418.5	413.7	409.0	405.9	405.9	398.0	396.4	396.4	390.1	396.4
55°	319.0	317.4	319.0	315.9	315.9	311.1	311.1	306.4	306.4	301.6	304.8
57.5°	233.8	236.9	233.8	235.3	238.5	233.8	232.1	227.4	230.6	227.4	229.0
60°	181.6	181.6	181.6	180.1	180.1	178.4	178.4	176.9	176.9	173.7	176.9
62.5°	134.2	135.8	135.8	135.8	137.4	135.8	134.2	135.8	134.2	134.2	135.8
65°	88.5	90.0	90.0	88.5	91.6	88.5	90.0	91.6	93.1	91.6	93.1
67.5°	60.0	60.0	61.6	63.2	61.6	63.2	64.7	63.2	64.7	67.9	64.7
70°	44.2	45.8	45.8	44.2	42.6	44.2	42.6	47.4	47.4	47.4	50.5
72.5°	28.4	28.4	26.8	26.8	26.8	26.8	26.8	31.6	28.4	26.8	30.0
75°	15.8	17.4	17.4	12.6	14.2	17.4	12.6	14.2	19.0	15.8	19.0
77.5°	9.5	9.5	9.5	9.5	9.5	9.5	12.6	11.1	11.1	11.1	12.6
80°	7.9	6.3	6.3	4.7	6.3	6.3	6.3	9.5	7.9	7.9	9.5
82.5°	3.2	3.2	1.6	0.0	3.2	3.2	3.2	3.2	3.2	3.2	6.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P245975

CATALOG NUMBER: LD8B50D010 ER8B50835 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3234.3	3234.3	3234.3	3234.3	3234.3	3234.3	3234.3	3234.3	3234.3	3234.3	3234.3
2.5°	3231.1	3231.1	3229.6	3226.4	3220.1	3220.1	3218.5	3213.8	3210.6	3209.0	3209.0
5°	3215.3	3209.0	3202.7	3185.4	3185.4	3182.2	3172.7	3166.4	3163.3	3155.3	3152.2
7.5°	3201.2	3182.2	3171.1	3160.1	3145.9	3139.5	3128.5	3123.7	3112.7	3104.8	3100.1
10°	3166.4	3153.8	3139.5	3122.2	3111.1	3098.5	3085.8	3076.4	3062.2	3054.2	3047.9
12.5°	3142.7	3123.7	3111.1	3092.1	3073.2	3062.2	3044.8	3033.8	3019.5	3003.7	2994.2
15°	3120.6	3100.1	3082.7	3062.2	3041.6	3029.0	3008.5	2995.9	2975.3	2959.5	2948.5
17.5°	3087.5	3070.0	3051.1	3025.8	3006.9	2991.1	2969.0	2953.2	2934.2	2913.7	2902.7
20°	3052.7	3032.1	3013.2	2987.9	2969.0	2950.0	2927.9	2910.6	2888.4	2869.5	2856.9
22.5°	3006.9	2983.2	2967.4	2942.1	2920.0	2899.5	2879.0	2858.5	2837.9	2822.1	2807.9
25°	2940.6	2915.3	2897.9	2877.4	2856.9	2841.1	2815.8	2803.2	2782.7	2768.4	2754.2
27.5°	2845.8	2826.9	2811.1	2790.5	2773.2	2760.6	2741.6	2729.0	2711.5	2698.9	2687.9
30°	2706.9	2691.1	2676.8	2656.3	2643.7	2632.6	2615.2	2604.2	2591.6	2577.3	2574.2
32.5°	2520.5	2507.8	2493.7	2479.4	2469.9	2463.6	2449.4	2443.1	2430.5	2422.5	2414.7
35°	2239.4	2228.3	2220.4	2214.1	2211.0	2212.5	2209.4	2215.7	2218.8	2217.3	2218.8
37.5°	1871.4	1865.1	1868.3	1873.0	1888.8	1909.3	1928.3	1956.7	1975.6	1994.6	2012.0
40°	1460.8	1465.6	1478.2	1506.6	1547.7	1593.5	1636.1	1689.8	1743.5	1781.4	1816.1
42.5°	1102.3	1116.6	1148.1	1189.2	1250.8	1318.7	1385.0	1463.9	1528.7	1591.9	1636.1
45°	829.1	848.0	889.1	946.0	1013.9	1092.8	1176.6	1265.0	1342.4	1407.1	1456.1
47.5°	645.9	663.3	704.4	764.4	848.0	930.2	1017.0	1108.6	1189.2	1252.4	1295.0
50°	510.1	532.2	568.5	631.7	715.4	802.3	892.3	982.3	1058.1	1111.8	1149.7
52.5°	401.1	421.7	456.4	522.8	608.0	694.9	778.5	867.0	933.3	985.5	1010.7
55°	311.1	330.1	366.4	421.7	502.2	587.5	671.2	747.0	808.6	846.5	870.2
57.5°	236.9	251.1	276.4	331.6	404.3	483.2	554.3	630.1	677.5	704.4	720.1
60°	180.1	191.1	218.0	260.6	326.9	394.8	454.8	511.7	549.6	571.7	587.5
62.5°	135.8	148.5	167.4	203.7	254.2	309.5	360.1	402.7	434.3	448.5	459.6
65°	93.1	102.6	116.9	145.3	187.9	227.4	266.9	298.5	319.0	334.8	341.1
67.5°	69.5	75.8	83.7	105.8	135.8	167.4	194.2	216.3	238.5	244.8	255.9
70°	52.1	56.9	64.7	80.5	97.9	120.0	142.2	154.8	170.6	181.6	184.8
72.5°	33.2	34.7	42.6	52.1	66.3	80.5	94.8	105.8	115.3	121.6	124.7
75°	19.0	28.4	28.4	37.9	47.4	53.7	63.2	71.0	75.8	80.5	80.5
77.5°	12.6	17.4	19.0	23.7	28.4	36.3	44.2	48.9	53.7	55.3	55.3
80°	11.1	12.6	12.6	17.4	20.5	26.8	31.6	33.2	36.3	37.9	41.1
82.5°	4.7	6.3	7.9	12.6	14.2	14.2	19.0	20.5	23.7	25.3	25.3
85°	1.6	3.2	3.2	4.7	7.9	9.5	11.1	12.6	14.2	14.2	15.8
87.5°	1.6	1.6	0.0	1.6	3.2	3.2	6.3	6.3	6.3	9.5	9.5
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: P245975

CATALOG NUMBER: LD8B50D010 ER8B50835 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	3234.3	3234.3	3234.3	3234.3	3234.3	3234.3	3234.3
2.5°	3205.9	3207.5	3201.2	3199.6	3196.4	3198.0	3201.2
5°	3147.5	3149.0	3142.7	3136.4	3136.4	3134.8	3136.4
7.5°	3092.1	3093.8	3084.3	3081.1	3074.8	3076.4	3076.4
10°	3036.9	3036.9	3022.7	3021.1	3016.3	3014.8	3014.8
12.5°	2983.2	2978.5	2967.4	2961.1	2964.3	2954.8	2954.8
15°	2935.8	2927.9	2913.7	2909.0	2901.1	2897.9	2897.9
17.5°	2886.9	2880.6	2867.9	2858.5	2849.0	2847.4	2849.0
20°	2839.5	2833.2	2817.4	2811.1	2803.2	2803.2	2800.0
22.5°	2792.1	2785.8	2771.6	2766.9	2755.8	2755.8	2757.4
25°	2743.1	2738.4	2722.6	2719.5	2717.9	2711.5	2714.7
27.5°	2676.8	2673.7	2661.0	2656.3	2650.0	2648.4	2651.6
30°	2555.2	2550.5	2541.0	2536.3	2525.2	2526.8	2529.9
32.5°	2403.6	2397.3	2384.6	2379.9	2370.5	2367.3	2368.9
35°	2214.1	2209.4	2198.3	2198.3	2188.9	2185.7	2188.9
37.5°	2021.5	2026.2	2021.5	2026.2	2021.5	2019.8	2021.5
40°	1839.9	1857.2	1860.3	1877.8	1871.4	1880.9	1879.3
42.5°	1666.1	1694.5	1705.6	1719.8	1716.7	1723.0	1727.7
45°	1490.8	1514.5	1525.6	1535.1	1536.6	1539.8	1541.4
47.5°	1325.0	1343.9	1345.5	1356.6	1355.0	1355.0	1359.7
50°	1170.3	1182.9	1186.0	1193.9	1187.6	1184.4	1186.0
52.5°	1026.5	1039.1	1036.0	1039.1	1031.3	1028.1	1029.7
55°	879.6	885.9	885.9	885.9	876.5	876.5	876.5
57.5°	729.6	731.2	728.0	729.6	728.0	718.5	717.0
60°	592.2	592.2	590.6	592.2	587.5	582.8	582.8
62.5°	462.7	465.9	472.2	465.9	462.7	465.9	461.1
65°	345.9	352.2	350.6	353.7	352.2	352.2	349.0
67.5°	260.6	262.2	263.7	265.3	265.3	265.3	265.3
70°	191.1	195.9	194.2	194.2	194.2	194.2	203.7
72.5°	127.9	134.2	132.7	135.8	135.8	139.0	135.8
75°	86.8	93.1	90.0	94.8	93.1	90.0	97.9
77.5°	58.4	61.6	63.2	64.7	63.2	61.6	63.2
80°	41.1	44.2	42.6	44.2	44.2	44.2	45.8
82.5°	25.3	30.0	28.4	30.0	28.4	30.0	30.0
85°	17.4	19.0	15.8	19.0	17.4	17.4	20.5
87.5°	11.1	9.5	9.5	11.1	9.5	11.1	9.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)