

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: P244529

Luminaire Tested: **LD8B50D010 ER8B50830 8LBSW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244529
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 ER8B50830 8LBSW0H
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 3000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5295.0 lumens
Efficiency: N/A
Efficacy: 99.9 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

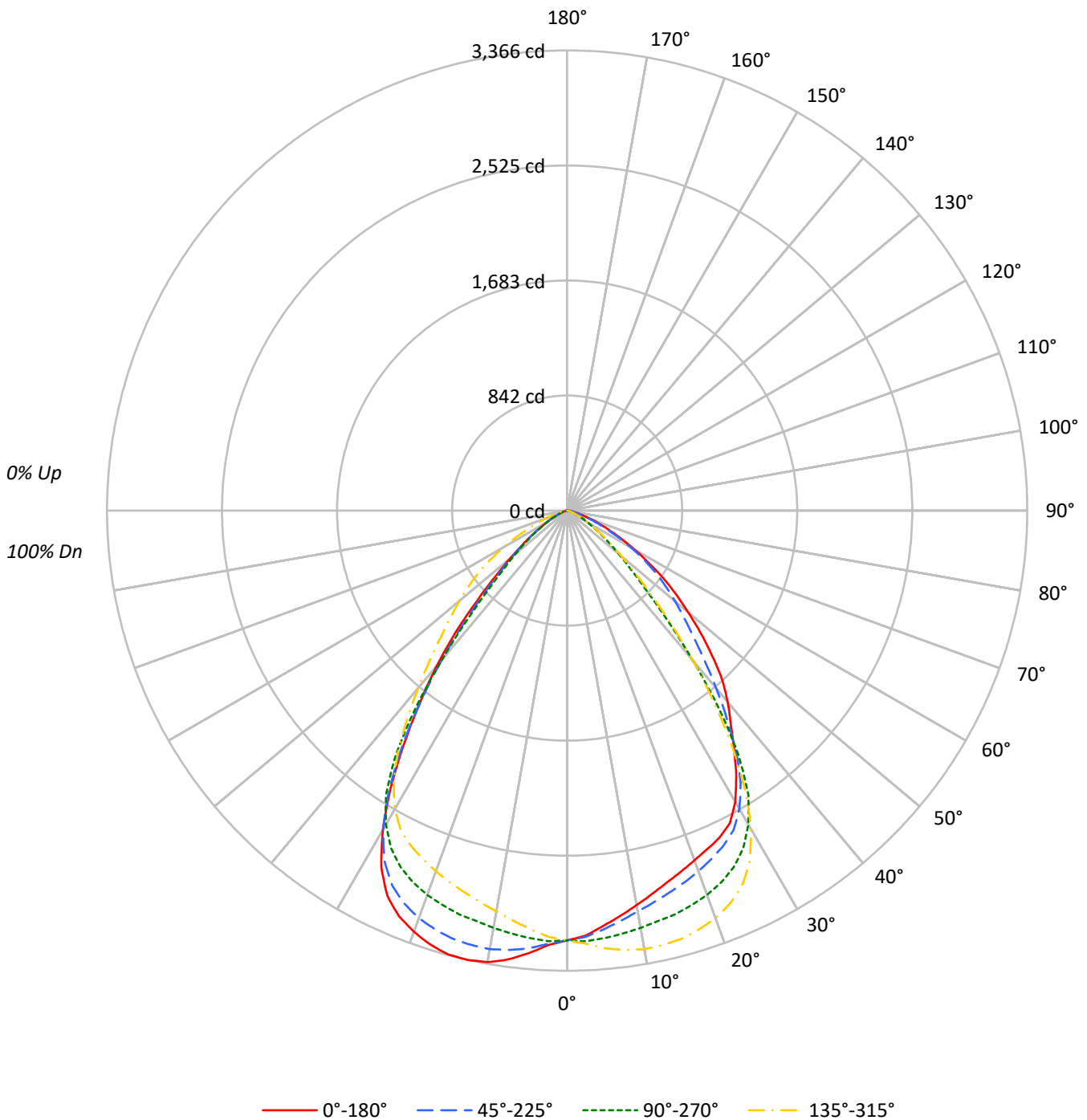
Input Watts (W): 53
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	96934	96934	96934	96934
5°	94357	97162	100629	97162
10°	91747	97033	105011	97033
15°	89914	97611	107310	97611
20°	89304	98167	107585	98167
25°	89773	97972	105859	97972
30°	87553	94386	96081	94386
35°	80084	82335	78119	82335
40°	73524	57273	59809	57273
45°	65331	34940	40430	34940
50°	55298	23339	25920	23339
55°	45799	15924	16833	15924
60°	34931	10602	10694	10602
65°	24750	6603	6049	6603
70°	17852	4427	4012	4427
75°	11330	2192	1835	2192
80°	7902	1634	1350	1634
85°	7076	0	531	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	299.2	5.7
10°-20°	866.4	16.4
20°-30°	1312.0	24.8
30°-40°	1314.9	24.8
40°-50°	825.7	15.6
50°-60°	440.0	8.3
60°-70°	180.9	3.4
70°-80°	47.8	0.9
80°-90°	8.1	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°	2477.6	46.8
0°-40°	3792.5	71.6
0°-60°	5058.2	95.5
0°-90°	5295.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5295.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3144	3144	3144	3144	3144	
5°	3048	3139	3251	3139	3048	287
15°	2816	3058	3361	3058	2816	797
25°	2638	2880	3111	2880	2638	1210
35°	2127	2187	2075	2187	2127	1333
45°	1498	801	927	801	1498	1152
55°	852	296	313	296	852	760
65°	339	90	83	90	339	352
75°	95	18	15	18	95	108
85°	20	0	2	0	20	22
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°	3143.5	3143.5	3143.5	3143.5	3143.5	3143.5	3143.5	3143.5	3143.5	3143.5	3143.5
2.5°	3111.3	3108.2	3106.6	3109.7	3111.3	3117.4	3115.9	3118.9	3118.9	3120.5	3123.5
5°	3048.3	3046.7	3048.3	3048.3	3054.5	3060.6	3059.1	3063.7	3066.7	3074.4	3077.5
7.5°	2990.0	2990.0	2988.4	2994.6	2997.7	3006.9	3005.3	3013.0	3017.6	3025.3	3036.0
10°	2930.1	2930.1	2931.6	2936.3	2937.8	2951.6	2951.6	2962.3	2968.5	2976.2	2990.0
12.5°	2871.8	2871.8	2881.0	2877.9	2884.1	2894.8	2899.4	2910.2	2919.4	2934.7	2948.6
15°	2816.5	2816.5	2819.6	2827.3	2831.9	2845.7	2853.4	2865.7	2876.4	2891.8	2911.7
17.5°	2769.0	2767.4	2769.0	2778.2	2787.4	2799.7	2805.8	2821.1	2831.9	2851.8	2870.3
20°	2721.4	2724.5	2724.5	2732.1	2738.3	2753.6	2759.7	2776.7	2788.9	2807.3	2828.8
22.5°	2679.9	2678.4	2678.4	2689.2	2693.8	2707.5	2713.7	2729.0	2742.9	2758.2	2778.2
25°	2638.5	2635.4	2641.6	2643.1	2646.1	2661.5	2666.1	2676.8	2690.7	2704.5	2724.5
27.5°	2577.1	2574.1	2575.6	2581.7	2586.3	2598.6	2601.7	2612.4	2623.1	2635.4	2652.3
30°	2458.9	2455.8	2454.3	2465.1	2469.7	2478.8	2483.5	2501.9	2504.9	2518.8	2531.0
32.5°	2302.3	2300.8	2303.9	2313.1	2317.7	2330.0	2336.1	2346.9	2354.5	2362.2	2374.5
35°	2127.4	2124.3	2127.4	2136.6	2136.6	2147.3	2152.0	2156.5	2155.0	2156.5	2153.5
37.5°	1964.7	1963.1	1964.7	1969.3	1964.7	1969.3	1964.7	1955.5	1938.6	1920.2	1901.7
40°	1826.5	1828.0	1818.9	1825.0	1808.1	1805.1	1788.2	1765.1	1731.4	1694.6	1642.4
42.5°	1679.2	1674.6	1668.5	1671.5	1657.7	1646.9	1619.3	1590.2	1547.2	1485.8	1422.8
45°	1498.1	1496.6	1493.5	1491.9	1482.7	1472.0	1448.9	1415.2	1367.6	1304.7	1229.4
47.5°	1321.6	1316.9	1316.9	1318.5	1307.7	1306.2	1287.8	1258.6	1217.2	1155.8	1077.5
50°	1152.7	1151.2	1154.3	1160.4	1152.7	1149.6	1137.4	1117.4	1080.6	1028.4	954.7
52.5°	1000.7	999.2	1002.3	1010.0	1006.9	1010.0	997.7	982.4	957.8	907.1	842.7
55°	851.9	851.9	851.9	861.1	861.1	861.1	854.9	845.8	822.7	785.9	726.0
57.5°	696.9	698.4	707.6	709.1	707.6	710.7	709.1	699.9	684.6	658.5	612.4
60°	566.4	566.4	571.0	575.6	574.0	575.6	575.6	571.0	555.6	534.2	497.3
62.5°	448.2	452.8	449.7	452.8	458.9	452.8	449.7	446.7	435.9	422.1	391.4
65°	339.2	342.3	342.3	343.8	340.7	342.3	336.2	331.6	325.4	310.1	290.1
67.5°	257.9	257.9	257.9	257.9	256.3	254.8	253.3	248.7	237.9	231.8	210.3
70°	198.0	188.8	188.8	188.8	188.8	190.4	185.7	179.6	176.5	165.8	150.4
72.5°	132.0	135.1	132.0	132.0	128.9	130.5	124.3	121.2	118.2	112.1	102.9
75°	95.1	87.5	90.5	92.1	87.5	90.5	84.4	78.3	78.3	73.7	69.1
77.5°	61.4	59.9	61.4	62.9	61.4	59.9	56.8	53.7	53.7	52.2	47.6
80°	44.5	43.0	43.0	43.0	41.4	43.0	39.9	39.9	36.8	35.3	32.2
82.5°	29.2	29.2	27.6	29.2	27.6	29.2	24.6	24.6	24.6	23.0	20.0
85°	20.0	16.9	16.9	18.4	15.4	18.4	16.9	15.4	13.8	13.8	12.3
87.5°	9.2	10.7	9.2	10.7	9.2	9.2	10.7	9.2	9.2	6.1	6.1
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°	3143.5	3143.5	3143.5	3143.5	3143.5	3143.5	3143.5	3143.5	3143.5	3143.5	3143.5
2.5°	3128.1	3129.6	3129.6	3135.8	3138.9	3140.4	3140.4	3152.7	3148.1	3151.2	3154.2
5°	3083.6	3092.8	3095.9	3095.9	3112.8	3118.9	3125.0	3138.9	3140.4	3149.6	3160.3
7.5°	3040.6	3051.4	3057.6	3071.3	3082.1	3092.8	3111.3	3120.5	3129.6	3142.0	3155.7
10°	2999.2	3011.5	3023.8	3034.5	3051.4	3065.2	3077.5	3098.9	3109.7	3126.6	3145.0
12.5°	2959.3	2976.2	2986.9	3005.3	3023.8	3036.0	3054.5	3074.4	3091.3	3108.2	3129.6
15°	2924.0	2944.0	2956.2	2976.2	2996.1	3013.0	3033.0	3057.6	3069.8	3089.8	3109.7
17.5°	2885.6	2907.1	2922.5	2940.9	2965.4	2983.8	3000.8	3025.3	3040.6	3062.1	3085.2
20°	2845.7	2867.2	2885.6	2904.0	2928.6	2947.0	2967.0	2991.5	3008.4	3029.9	3048.3
22.5°	2798.1	2818.1	2838.0	2859.5	2884.1	2899.4	2922.5	2944.0	2962.3	2982.3	3000.8
25°	2736.7	2761.3	2776.7	2796.6	2816.5	2833.4	2858.0	2879.5	2894.8	2913.3	2930.1
27.5°	2664.6	2683.0	2695.3	2712.2	2732.1	2747.5	2765.9	2787.4	2802.8	2819.6	2831.9
30°	2541.8	2558.7	2569.4	2581.7	2601.7	2615.5	2630.8	2650.8	2661.5	2673.8	2684.6
32.5°	2380.6	2394.4	2400.6	2409.8	2423.6	2437.4	2449.7	2466.6	2471.2	2478.8	2478.8
35°	2147.3	2150.4	2148.9	2152.0	2158.1	2165.7	2176.5	2187.2	2193.3	2193.3	2188.8
37.5°	1874.1	1855.7	1835.8	1820.4	1815.8	1812.7	1818.9	1823.4	1829.6	1832.7	1825.0
40°	1590.2	1548.7	1504.2	1464.3	1436.7	1424.4	1419.8	1422.8	1422.8	1433.6	1433.6
42.5°	1346.1	1281.6	1215.7	1155.8	1115.8	1085.2	1071.4	1071.4	1072.9	1080.6	1085.2
45°	1143.5	1062.1	985.4	919.4	864.1	824.2	805.8	801.2	799.7	802.7	813.5
47.5°	988.5	904.1	824.2	742.9	684.6	644.7	627.8	621.6	615.5	621.6	623.2
50°	867.2	779.7	695.3	614.0	552.6	517.2	495.8	486.5	485.0	485.0	488.1
52.5°	756.7	675.4	591.0	508.1	443.6	409.8	389.9	385.3	379.1	385.3	385.3
55°	652.3	571.0	488.1	409.8	356.1	320.8	302.4	296.2	293.1	297.8	297.8
57.5°	538.8	469.7	393.0	322.3	268.6	244.1	230.2	222.6	221.0	224.1	221.0
60°	442.1	383.7	317.7	253.3	211.8	185.7	175.0	171.9	168.8	171.9	171.9
62.5°	349.9	300.9	247.1	198.0	162.7	144.3	132.0	132.0	130.5	130.5	132.0
65°	259.4	221.0	182.6	141.2	113.6	99.8	90.5	90.5	89.0	90.5	89.0
67.5°	188.8	162.7	132.0	102.9	81.4	73.7	67.5	62.9	66.0	62.9	61.4
70°	138.2	116.6	95.1	78.3	62.9	55.3	50.7	49.1	46.1	46.1	46.1
72.5°	92.1	78.3	64.4	50.7	41.4	33.7	32.2	29.2	26.1	27.6	30.7
75°	61.4	52.2	46.1	36.8	27.6	27.6	18.4	18.4	15.4	18.4	13.8
77.5°	43.0	35.3	27.6	23.0	18.4	16.9	12.3	12.3	10.7	10.7	10.7
80°	30.7	26.1	20.0	16.9	12.3	12.3	10.7	9.2	7.6	7.6	9.2
82.5°	18.4	13.8	13.8	12.3	7.6	6.1	4.6	6.1	3.1	3.1	3.1
85°	10.7	9.2	7.6	4.6	3.1	3.1	1.5	0.0	1.5	1.5	0.0
87.5°	6.1	3.1	3.1	1.5	0.0	1.5	1.5	0.0	0.0	0.0	3.1
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°	3143.5	3143.5	3143.5	3143.5	3143.5	3143.5	3143.5	3143.5	3143.5	3143.5	3143.5
2.5°	3161.9	3160.3	3163.4	3163.4	3172.7	3171.1	3175.7	3175.7	3172.7	3174.2	3180.3
5°	3172.7	3177.3	3186.4	3194.1	3207.9	3214.1	3221.8	3229.5	3231.0	3235.6	3240.2
7.5°	3172.7	3188.0	3198.8	3212.5	3231.0	3241.7	3258.6	3272.4	3278.5	3286.2	3295.4
10°	3166.5	3181.8	3201.8	3217.1	3240.2	3257.1	3273.9	3295.4	3304.6	3316.9	3329.2
12.5°	3154.2	3171.1	3192.6	3212.5	3238.6	3254.0	3275.5	3295.4	3309.3	3326.1	3340.0
15°	3135.8	3155.7	3175.7	3195.7	3223.3	3241.7	3261.7	3284.7	3298.5	3316.9	3329.2
17.5°	3106.6	3128.1	3146.6	3165.0	3191.0	3212.5	3231.0	3252.5	3266.3	3281.6	3298.5
20°	3071.3	3091.3	3111.3	3126.6	3152.7	3171.1	3191.0	3211.0	3221.8	3224.8	3250.9
22.5°	3026.8	3040.6	3056.0	3080.5	3095.9	3112.8	3131.2	3149.6	3160.3	3177.3	3186.4
25°	2953.1	2967.0	2983.8	2994.6	3013.0	3026.8	3045.2	3065.2	3071.3	3083.6	3092.8
27.5°	2850.3	2858.0	2865.7	2874.8	2885.6	2893.3	2904.0	2913.3	2919.4	2925.5	2931.6
30°	2687.6	2687.6	2687.6	2681.5	2686.1	2690.7	2692.2	2690.7	2690.7	2689.2	2689.2
32.5°	2472.7	2460.5	2446.6	2434.4	2429.8	2423.6	2420.5	2415.9	2408.3	2403.7	2405.2
35°	2182.6	2155.0	2138.1	2122.8	2110.5	2101.3	2096.7	2092.1	2090.6	2084.4	2078.2
37.5°	1820.4	1800.4	1788.2	1779.0	1768.2	1759.0	1760.5	1762.1	1766.6	1763.6	1765.1
40°	1436.7	1432.1	1436.7	1425.9	1422.8	1425.9	1433.6	1444.4	1450.5	1456.6	1467.4
42.5°	1092.8	1100.5	1111.3	1111.3	1115.8	1122.0	1131.2	1148.1	1157.3	1168.0	1180.4
45°	822.7	831.9	845.8	850.3	853.4	861.1	871.9	885.6	891.8	901.0	911.7
47.5°	633.9	640.1	647.7	655.4	663.1	666.1	676.9	676.9	684.6	690.7	693.8
50°	494.2	500.4	506.5	511.1	514.2	518.8	521.8	526.5	528.0	531.1	532.6
52.5°	386.8	394.5	394.5	397.5	402.1	406.7	405.2	406.7	408.3	408.3	412.9
55°	302.4	302.4	307.0	307.0	310.1	308.5	310.1	310.1	310.1	310.1	311.6
57.5°	225.6	227.2	231.8	228.7	227.2	230.2	227.2	230.2	228.7	231.8	227.2
60°	173.4	173.4	175.0	175.0	176.5	176.5	176.5	175.0	175.0	173.4	173.4
62.5°	130.5	132.0	133.6	132.0	132.0	132.0	130.5	130.5	128.9	127.4	127.4
65°	87.5	86.0	89.0	86.0	87.5	87.5	86.0	87.5	82.9	84.4	82.9
67.5°	62.9	61.4	59.9	61.4	59.9	58.3	58.3	59.9	61.4	56.8	56.8
70°	41.4	43.0	41.4	43.0	44.5	44.5	43.0	41.4	43.0	39.9	41.4
72.5°	26.1	26.1	26.1	26.1	26.1	27.6	27.6	27.6	24.6	24.6	23.0
75°	12.3	16.9	13.8	12.3	16.9	16.9	15.4	15.4	13.8	13.8	13.8
77.5°	12.3	9.2	9.2	9.2	9.2	9.2	9.2	9.2	7.6	9.2	7.6
80°	6.1	6.1	6.1	4.6	6.1	6.1	7.6	6.1	6.1	4.6	7.6
82.5°	3.1	3.1	3.1	0.0	1.5	3.1	3.1	1.5	3.1	3.1	1.5
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: P244529

CATALOG NUMBER: LD8B50D010 ER8B50830 8LBSW0H

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3143.5	3143.5	3143.5	3143.5	3143.5	3143.5	3143.5	3143.5	3143.5	3143.5	3143.5
2.5°	3178.8	3177.3	3178.8	3180.3	3178.8	3177.3	3178.8	3180.3	3174.2	3172.7	3175.7
5°	3246.3	3246.3	3249.4	3250.9	3249.4	3246.3	3246.3	3240.2	3235.6	3231.0	3229.5
7.5°	3304.6	3307.7	3310.8	3312.3	3310.8	3307.7	3304.6	3295.4	3286.2	3278.5	3272.4
10°	3340.0	3344.6	3350.7	3353.7	3350.7	3344.6	3340.0	3329.2	3316.9	3304.6	3295.4
12.5°	3355.3	3359.9	3367.6	3366.0	3367.6	3359.9	3355.3	3340.0	3326.1	3309.3	3295.4
15°	3344.6	3350.7	3358.3	3361.4	3358.3	3350.7	3344.6	3329.2	3316.9	3298.5	3284.7
17.5°	3310.8	3320.0	3324.6	3329.2	3324.6	3320.0	3310.8	3298.5	3281.6	3266.3	3252.5
20°	3264.7	3270.9	3277.0	3278.5	3277.0	3270.9	3264.7	3250.9	3224.8	3221.8	3211.0
22.5°	3198.8	3203.4	3217.1	3212.5	3217.1	3203.4	3198.8	3186.4	3177.3	3160.3	3149.6
25°	3103.5	3108.2	3109.7	3111.3	3109.7	3108.2	3103.5	3092.8	3083.6	3071.3	3065.2
27.5°	2939.3	2939.3	2942.4	2944.0	2942.4	2939.3	2939.3	2931.6	2925.5	2919.4	2913.3
30°	2690.7	2690.7	2690.7	2698.4	2690.7	2690.7	2690.7	2689.2	2689.2	2690.7	2690.7
32.5°	2403.7	2400.6	2397.5	2400.6	2397.5	2400.6	2403.7	2405.2	2403.7	2408.3	2415.9
35°	2078.2	2076.7	2081.3	2075.2	2081.3	2076.7	2078.2	2078.2	2084.4	2090.6	2092.1
37.5°	1766.6	1763.6	1769.7	1763.6	1769.7	1763.6	1766.6	1765.1	1763.6	1766.6	1762.1
40°	1470.5	1473.5	1473.5	1485.8	1473.5	1473.5	1470.5	1467.4	1456.6	1450.5	1444.4
42.5°	1186.5	1195.7	1192.6	1201.8	1192.6	1195.7	1186.5	1180.4	1168.0	1157.3	1148.1
45°	917.8	924.0	924.0	927.1	924.0	924.0	917.8	911.7	901.0	891.8	885.6
47.5°	704.5	704.5	704.5	706.1	704.5	704.5	704.5	693.8	690.7	684.6	676.9
50°	535.7	537.2	538.8	540.3	538.8	537.2	535.7	532.6	531.1	528.0	526.5
52.5°	411.4	412.9	409.8	412.9	409.8	412.9	411.4	412.9	408.3	408.3	406.7
55°	311.6	310.1	311.6	313.1	311.6	310.1	311.6	311.6	310.1	310.1	310.1
57.5°	228.7	225.6	225.6	225.6	225.6	225.6	228.7	227.2	231.8	228.7	230.2
60°	170.4	171.9	171.9	173.4	171.9	171.9	170.4	173.4	173.4	175.0	175.0
62.5°	125.9	130.5	127.4	130.5	127.4	130.5	125.9	127.4	127.4	128.9	130.5
65°	81.4	81.4	81.4	82.9	81.4	81.4	81.4	82.9	84.4	82.9	87.5
67.5°	55.3	56.8	59.9	58.3	59.9	56.8	55.3	56.8	56.8	61.4	59.9
70°	44.5	39.9	39.9	44.5	39.9	39.9	44.5	41.4	39.9	43.0	41.4
72.5°	26.1	23.0	26.1	26.1	26.1	23.0	26.1	23.0	24.6	24.6	27.6
75°	13.8	12.3	10.7	15.4	10.7	12.3	13.8	13.8	13.8	13.8	15.4
77.5°	9.2	7.6	10.7	10.7	10.7	7.6	9.2	7.6	9.2	7.6	9.2
80°	4.6	6.1	4.6	7.6	4.6	6.1	4.6	7.6	4.6	6.1	6.1
82.5°	1.5	3.1	3.1	3.1	3.1	3.1	1.5	1.5	3.1	3.1	1.5
85°	0.0	3.1	1.5	1.5	1.5	3.1	0.0	0.0	0.0	0.0	0.0
87.5°	1.5	0.0	0.0	1.5	0.0	0.0	1.5	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: P244529

CATALOG NUMBER: LD8B50D010 ER8B50830 8LBSW0H

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3143.5	3143.5	3143.5	3143.5	3143.5	3143.5	3143.5	3143.5	3143.5	3143.5	3143.5
2.5°	3175.7	3171.1	3172.7	3163.4	3163.4	3160.3	3161.9	3154.2	3151.2	3148.1	3152.7
5°	3221.8	3214.1	3207.9	3194.1	3186.4	3177.3	3172.7	3160.3	3149.6	3140.4	3138.9
7.5°	3258.6	3241.7	3231.0	3212.5	3198.8	3188.0	3172.7	3155.7	3142.0	3129.6	3120.5
10°	3273.9	3257.1	3240.2	3217.1	3201.8	3181.8	3166.5	3145.0	3126.6	3109.7	3098.9
12.5°	3275.5	3254.0	3238.6	3212.5	3192.6	3171.1	3154.2	3129.6	3108.2	3091.3	3074.4
15°	3261.7	3241.7	3223.3	3195.7	3175.7	3155.7	3135.8	3109.7	3089.8	3069.8	3057.6
17.5°	3231.0	3212.5	3191.0	3165.0	3146.6	3128.1	3106.6	3085.2	3062.1	3040.6	3025.3
20°	3191.0	3171.1	3152.7	3126.6	3111.3	3091.3	3071.3	3048.3	3029.9	3008.4	2991.5
22.5°	3131.2	3112.8	3095.9	3080.5	3056.0	3040.6	3026.8	3000.8	2982.3	2962.3	2944.0
25°	3045.2	3026.8	3013.0	2994.6	2983.8	2967.0	2953.1	2930.1	2913.3	2894.8	2879.5
27.5°	2904.0	2893.3	2885.6	2874.8	2865.7	2858.0	2850.3	2831.9	2819.6	2802.8	2787.4
30°	2692.2	2690.7	2686.1	2681.5	2687.6	2687.6	2687.6	2684.6	2673.8	2661.5	2650.8
32.5°	2420.5	2423.6	2429.8	2434.4	2446.6	2460.5	2472.7	2478.8	2478.8	2471.2	2466.6
35°	2096.7	2101.3	2110.5	2122.8	2138.1	2155.0	2182.6	2188.8	2193.3	2193.3	2187.2
37.5°	1760.5	1759.0	1768.2	1779.0	1788.2	1800.4	1820.4	1825.0	1832.7	1829.6	1823.4
40°	1433.6	1425.9	1422.8	1425.9	1436.7	1432.1	1436.7	1433.6	1433.6	1422.8	1422.8
42.5°	1131.2	1122.0	1115.8	1111.3	1111.3	1100.5	1092.8	1085.2	1080.6	1072.9	1071.4
45°	871.9	861.1	853.4	850.3	845.8	831.9	822.7	813.5	802.7	799.7	801.2
47.5°	676.9	666.1	663.1	655.4	647.7	640.1	633.9	623.2	621.6	615.5	621.6
50°	521.8	518.8	514.2	511.1	506.5	500.4	494.2	488.1	485.0	485.0	486.5
52.5°	405.2	406.7	402.1	397.5	394.5	394.5	386.8	385.3	385.3	379.1	385.3
55°	310.1	308.5	310.1	307.0	307.0	302.4	302.4	297.8	297.8	293.1	296.2
57.5°	227.2	230.2	227.2	228.7	231.8	227.2	225.6	221.0	224.1	221.0	222.6
60°	176.5	176.5	176.5	175.0	175.0	173.4	173.4	171.9	171.9	168.8	171.9
62.5°	130.5	132.0	132.0	132.0	133.6	132.0	130.5	132.0	130.5	130.5	132.0
65°	86.0	87.5	87.5	86.0	89.0	86.0	87.5	89.0	90.5	89.0	90.5
67.5°	58.3	58.3	59.9	61.4	59.9	61.4	62.9	61.4	62.9	66.0	62.9
70°	43.0	44.5	44.5	43.0	41.4	43.0	41.4	46.1	46.1	46.1	49.1
72.5°	27.6	27.6	26.1	26.1	26.1	26.1	26.1	30.7	27.6	26.1	29.2
75°	15.4	16.9	16.9	12.3	13.8	16.9	12.3	13.8	18.4	15.4	18.4
77.5°	9.2	9.2	9.2	9.2	9.2	9.2	12.3	10.7	10.7	10.7	12.3
80°	7.6	6.1	6.1	4.6	6.1	6.1	6.1	9.2	7.6	7.6	9.2
82.5°	3.1	3.1	1.5	0.0	3.1	3.1	3.1	3.1	3.1	3.1	6.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	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: P244529

CATALOG NUMBER: LD8B50D010 ER8B50830 8LBSW0H

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3143.5	3143.5	3143.5	3143.5	3143.5	3143.5	3143.5	3143.5	3143.5	3143.5	3143.5
2.5°	3140.4	3140.4	3138.9	3135.8	3129.6	3129.6	3128.1	3123.5	3120.5	3118.9	3118.9
5°	3125.0	3118.9	3112.8	3095.9	3095.9	3092.8	3083.6	3077.5	3074.4	3066.7	3063.7
7.5°	3111.3	3092.8	3082.1	3071.3	3057.6	3051.4	3040.6	3036.0	3025.3	3017.6	3013.0
10°	3077.5	3065.2	3051.4	3034.5	3023.8	3011.5	2999.2	2990.0	2976.2	2968.5	2962.3
12.5°	3054.5	3036.0	3023.8	3005.3	2986.9	2976.2	2959.3	2948.6	2934.7	2919.4	2910.2
15°	3033.0	3013.0	2996.1	2976.2	2956.2	2944.0	2924.0	2911.7	2891.8	2876.4	2865.7
17.5°	3000.8	2983.8	2965.4	2940.9	2922.5	2907.1	2885.6	2870.3	2851.8	2831.9	2821.1
20°	2967.0	2947.0	2928.6	2904.0	2885.6	2867.2	2845.7	2828.8	2807.3	2788.9	2776.7
22.5°	2922.5	2899.4	2884.1	2859.5	2838.0	2818.1	2798.1	2778.2	2758.2	2742.9	2729.0
25°	2858.0	2833.4	2816.5	2796.6	2776.7	2761.3	2736.7	2724.5	2704.5	2690.7	2676.8
27.5°	2765.9	2747.5	2732.1	2712.2	2695.3	2683.0	2664.6	2652.3	2635.4	2623.1	2612.4
30°	2630.8	2615.5	2601.7	2581.7	2569.4	2558.7	2541.8	2531.0	2518.8	2504.9	2501.9
32.5°	2449.7	2437.4	2423.6	2409.8	2400.6	2394.4	2380.6	2374.5	2362.2	2354.5	2346.9
35°	2176.5	2165.7	2158.1	2152.0	2148.9	2150.4	2147.3	2153.5	2156.5	2155.0	2156.5
37.5°	1818.9	1812.7	1815.8	1820.4	1835.8	1855.7	1874.1	1901.7	1920.2	1938.6	1955.5
40°	1419.8	1424.4	1436.7	1464.3	1504.2	1548.7	1590.2	1642.4	1694.6	1731.4	1765.1
42.5°	1071.4	1085.2	1115.8	1155.8	1215.7	1281.6	1346.1	1422.8	1485.8	1547.2	1590.2
45°	805.8	824.2	864.1	919.4	985.4	1062.1	1143.5	1229.4	1304.7	1367.6	1415.2
47.5°	627.8	644.7	684.6	742.9	824.2	904.1	988.5	1077.5	1155.8	1217.2	1258.6
50°	495.8	517.2	552.6	614.0	695.3	779.7	867.2	954.7	1028.4	1080.6	1117.4
52.5°	389.9	409.8	443.6	508.1	591.0	675.4	756.7	842.7	907.1	957.8	982.4
55°	302.4	320.8	356.1	409.8	488.1	571.0	652.3	726.0	785.9	822.7	845.8
57.5°	230.2	244.1	268.6	322.3	393.0	469.7	538.8	612.4	658.5	684.6	699.9
60°	175.0	185.7	211.8	253.3	317.7	383.7	442.1	497.3	534.2	555.6	571.0
62.5°	132.0	144.3	162.7	198.0	247.1	300.9	349.9	391.4	422.1	435.9	446.7
65°	90.5	99.8	113.6	141.2	182.6	221.0	259.4	290.1	310.1	325.4	331.6
67.5°	67.5	73.7	81.4	102.9	132.0	162.7	188.8	210.3	231.8	237.9	248.7
70°	50.7	55.3	62.9	78.3	95.1	116.6	138.2	150.4	165.8	176.5	179.6
72.5°	32.2	33.7	41.4	50.7	64.4	78.3	92.1	102.9	112.1	118.2	121.2
75°	18.4	27.6	27.6	36.8	46.1	52.2	61.4	69.1	73.7	78.3	78.3
77.5°	12.3	16.9	18.4	23.0	27.6	35.3	43.0	47.6	52.2	53.7	53.7
80°	10.7	12.3	12.3	16.9	20.0	26.1	30.7	32.2	35.3	36.8	39.9
82.5°	4.6	6.1	7.6	12.3	13.8	13.8	18.4	20.0	23.0	24.6	24.6
85°	1.5	3.1	3.1	4.6	7.6	9.2	10.7	12.3	13.8	13.8	15.4
87.5°	1.5	1.5	0.0	1.5	3.1	3.1	6.1	6.1	6.1	9.2	9.2
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: P244529

CATALOG NUMBER: LD8B50D010 ER8B50830 8LBSW0H

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	3143.5	3143.5	3143.5	3143.5	3143.5	3143.5	3143.5
2.5°	3115.9	3117.4	3111.3	3109.7	3106.6	3108.2	3111.3
5°	3059.1	3060.6	3054.5	3048.3	3048.3	3046.7	3048.3
7.5°	3005.3	3006.9	2997.7	2994.6	2988.4	2990.0	2990.0
10°	2951.6	2951.6	2937.8	2936.3	2931.6	2930.1	2930.1
12.5°	2899.4	2894.8	2884.1	2877.9	2881.0	2871.8	2871.8
15°	2853.4	2845.7	2831.9	2827.3	2819.6	2816.5	2816.5
17.5°	2805.8	2799.7	2787.4	2778.2	2769.0	2767.4	2769.0
20°	2759.7	2753.6	2738.3	2732.1	2724.5	2724.5	2721.4
22.5°	2713.7	2707.5	2693.8	2689.2	2678.4	2678.4	2679.9
25°	2666.1	2661.5	2646.1	2643.1	2641.6	2635.4	2638.5
27.5°	2601.7	2598.6	2586.3	2581.7	2575.6	2574.1	2577.1
30°	2483.5	2478.8	2469.7	2465.1	2454.3	2455.8	2458.9
32.5°	2336.1	2330.0	2317.7	2313.1	2303.9	2300.8	2302.3
35°	2152.0	2147.3	2136.6	2136.6	2127.4	2124.3	2127.4
37.5°	1964.7	1969.3	1964.7	1969.3	1964.7	1963.1	1964.7
40°	1788.2	1805.1	1808.1	1825.0	1818.9	1828.0	1826.5
42.5°	1619.3	1646.9	1657.7	1671.5	1668.5	1674.6	1679.2
45°	1448.9	1472.0	1482.7	1491.9	1493.5	1496.6	1498.1
47.5°	1287.8	1306.2	1307.7	1318.5	1316.9	1316.9	1321.6
50°	1137.4	1149.6	1152.7	1160.4	1154.3	1151.2	1152.7
52.5°	997.7	1010.0	1006.9	1010.0	1002.3	999.2	1000.7
55°	854.9	861.1	861.1	861.1	851.9	851.9	851.9
57.5°	709.1	710.7	707.6	709.1	707.6	698.4	696.9
60°	575.6	575.6	574.0	575.6	571.0	566.4	566.4
62.5°	449.7	452.8	458.9	452.8	449.7	452.8	448.2
65°	336.2	342.3	340.7	343.8	342.3	342.3	339.2
67.5°	253.3	254.8	256.3	257.9	257.9	257.9	257.9
70°	185.7	190.4	188.8	188.8	188.8	188.8	198.0
72.5°	124.3	130.5	128.9	132.0	132.0	135.1	132.0
75°	84.4	90.5	87.5	92.1	90.5	87.5	95.1
77.5°	56.8	59.9	61.4	62.9	61.4	59.9	61.4
80°	39.9	43.0	41.4	43.0	43.0	43.0	44.5
82.5°	24.6	29.2	27.6	29.2	27.6	29.2	29.2
85°	16.9	18.4	15.4	18.4	16.9	16.9	20.0
87.5°	10.7	9.2	9.2	10.7	9.2	10.7	9.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)