

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: P244523

Luminaire Tested: **LD8B50D010 ER8B50827 8LBSW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244523
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 ER8B50827 8LBSW0H
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 2700 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5165.0 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

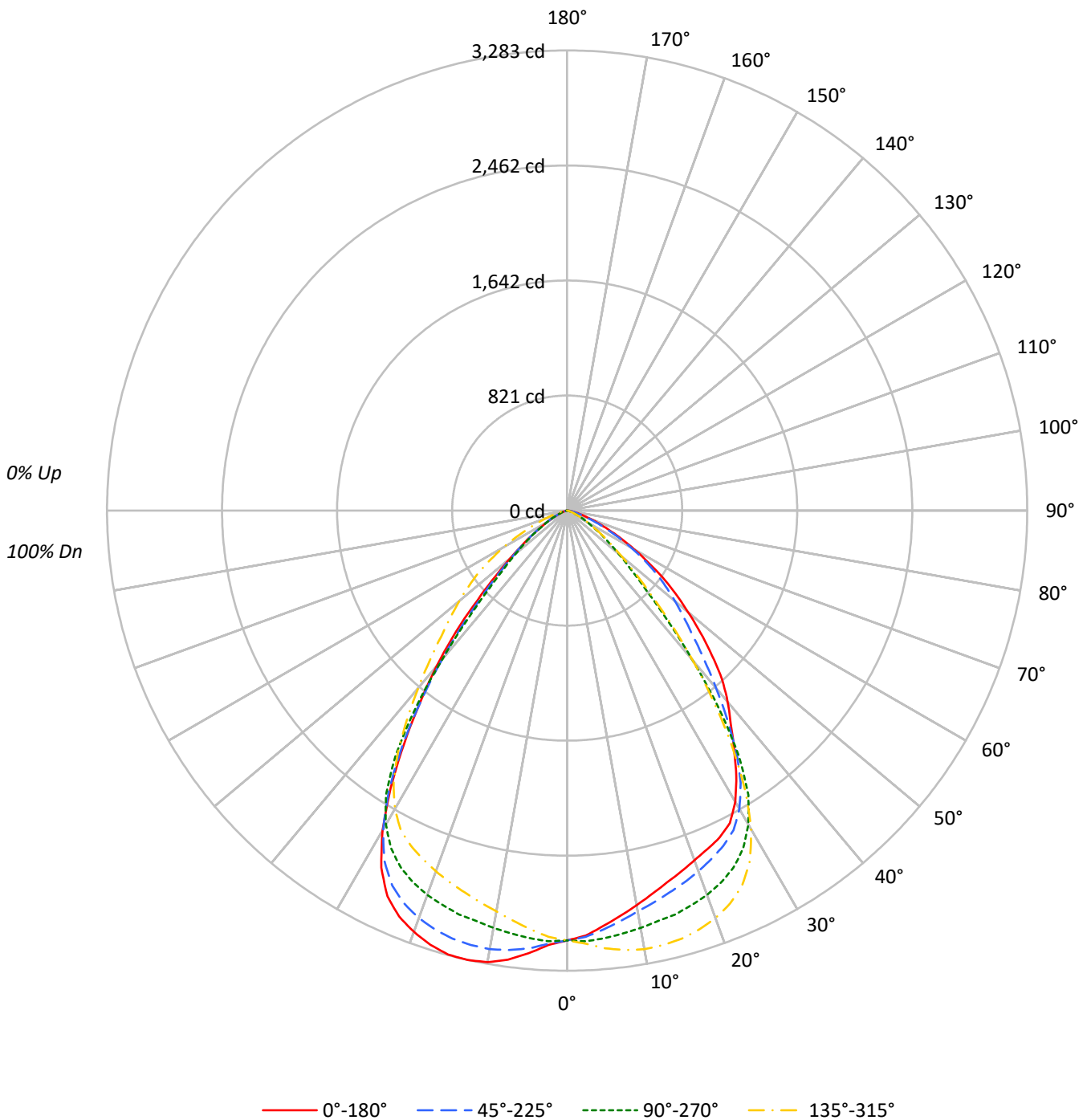
Input Watts (W): 53
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	94553	94553	94553	94553
5°	92042	94775	98159	94775
10°	89496	94653	102434	94653
15°	87708	95214	104676	95214
20°	87112	95758	104947	95758
25°	87568	95567	103260	95567
30°	85403	92068	93720	92068
35°	78119	80314	76203	80314
40°	71720	55868	58340	55868
45°	63726	34081	39436	34081
50°	53941	22768	25282	22768
55°	44676	15537	16419	15537
60°	34074	10342	10435	10342
65°	24144	6443	5903	6443
70°	17410	4319	3913	4319
75°	11056	2145	1787	2145
80°	7707	1598	1332	1598
85°	6899	0	531	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	291.9	5.7
10°-20°	845.2	16.4
20°-30°	1279.7	24.8
30°-40°	1282.6	24.8
40°-50°	805.4	15.6
50°-60°	429.2	8.3
60°-70°	176.5	3.4
70°-80°	46.6	0.9
80°-90°	7.9	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°	2416.7	46.8
0°-40°	3699.4	71.6
0°-60°	4934.0	95.5
0°-90°	5165.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5165.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3066	3066	3066	3066	3066	
5°	2974	3062	3171	3062	2974	280
15°	2747	2982	3279	2982	2747	777
25°	2574	2809	3035	2809	2574	1180
35°	2075	2134	2024	2134	2075	1300
45°	1461	782	904	782	1461	1124
55°	831	289	305	289	831	741
65°	331	88	81	88	331	343
75°	93	18	15	18	93	105
85°	20	0	2	0	20	21
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°	3066.3	3066.3	3066.3	3066.3	3066.3	3066.3	3066.3	3066.3	3066.3	3066.3	3066.3
2.5°	3034.9	3031.8	3030.4	3033.4	3034.9	3040.8	3039.4	3042.3	3042.3	3043.9	3046.8
5°	2973.5	2971.9	2973.5	2973.5	2979.5	2985.4	2984.0	2988.5	2991.4	2998.9	3001.9
7.5°	2916.6	2916.6	2915.1	2921.0	2924.1	2933.1	2931.5	2939.0	2943.5	2951.0	2961.5
10°	2858.2	2858.2	2859.7	2864.2	2865.7	2879.1	2879.1	2889.6	2895.6	2903.1	2916.6
12.5°	2801.3	2801.3	2810.3	2807.3	2813.3	2823.7	2828.2	2838.7	2847.7	2862.7	2876.2
15°	2747.4	2747.4	2750.4	2757.9	2762.4	2775.9	2783.3	2795.3	2805.8	2820.8	2840.3
17.5°	2701.0	2699.5	2701.0	2710.0	2719.0	2730.9	2736.9	2751.9	2762.4	2781.8	2799.8
20°	2654.6	2657.6	2657.6	2665.0	2671.0	2686.0	2692.0	2708.5	2720.4	2738.4	2759.4
22.5°	2614.1	2612.7	2612.7	2623.1	2627.6	2641.1	2647.1	2662.0	2675.5	2690.5	2710.0
25°	2573.7	2570.7	2576.7	2578.2	2581.2	2596.1	2600.6	2611.1	2624.6	2638.1	2657.6
27.5°	2513.8	2510.9	2512.3	2518.3	2522.8	2534.8	2537.8	2548.3	2558.7	2570.7	2587.2
30°	2398.5	2395.6	2394.1	2404.5	2409.0	2418.0	2422.5	2440.5	2443.4	2456.9	2468.9
32.5°	2245.8	2244.3	2247.3	2256.3	2260.8	2272.8	2278.8	2289.2	2296.7	2304.2	2316.2
35°	2075.2	2072.1	2075.2	2084.2	2084.2	2094.6	2099.1	2103.6	2102.1	2103.6	2100.6
37.5°	1916.5	1914.9	1916.5	1920.9	1916.5	1920.9	1916.5	1907.5	1891.0	1873.0	1855.0
40°	1781.7	1783.2	1774.2	1780.2	1763.7	1760.7	1744.3	1721.8	1688.9	1653.0	1602.0
42.5°	1638.0	1633.5	1627.5	1630.5	1617.0	1606.5	1579.6	1551.1	1509.2	1449.3	1387.9
45°	1461.3	1459.8	1456.8	1455.3	1446.3	1435.8	1413.3	1380.4	1334.0	1272.7	1199.3
47.5°	1289.1	1284.6	1284.6	1286.1	1275.6	1274.1	1256.1	1227.7	1187.3	1127.4	1051.0
50°	1124.4	1122.9	1125.9	1131.9	1124.4	1121.4	1109.5	1090.0	1054.1	1003.2	931.2
52.5°	976.2	974.7	977.7	985.2	982.1	985.2	973.2	958.2	934.3	884.8	822.0
55°	831.0	831.0	831.0	839.9	839.9	839.9	833.9	825.0	802.5	766.6	708.2
57.5°	679.7	681.2	690.2	691.7	690.2	693.2	691.7	682.7	667.8	642.3	597.4
60°	552.5	552.5	557.0	561.5	559.9	561.5	561.5	557.0	542.0	521.1	485.1
62.5°	437.2	441.7	438.7	441.7	447.7	441.7	438.7	435.7	425.2	411.7	381.8
65°	330.9	333.9	333.9	335.4	332.4	333.9	327.9	323.4	317.4	302.5	283.0
67.5°	251.6	251.6	251.6	251.6	250.0	248.5	247.1	242.6	232.1	226.1	205.1
70°	193.1	184.1	184.1	184.1	184.1	185.7	181.2	175.2	172.2	161.7	146.7
72.5°	128.7	131.8	128.7	128.7	125.8	127.3	121.3	118.3	115.3	109.3	100.3
75°	92.8	85.4	88.3	89.9	85.4	88.3	82.3	76.4	76.4	71.9	67.4
77.5°	59.9	58.4	59.9	61.4	59.9	58.4	55.4	52.4	52.4	50.9	46.4
80°	43.4	41.9	41.9	41.9	40.4	41.9	38.9	38.9	35.9	34.4	31.4
82.5°	28.5	28.5	26.9	28.5	26.9	28.5	24.0	24.0	24.0	22.4	19.5
85°	19.5	16.5	16.5	18.0	15.0	18.0	16.5	15.0	13.5	13.5	12.0
87.5°	9.0	10.5	9.0	10.5	9.0	9.0	10.5	9.0	9.0	6.0	6.0
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°	3066.3	3066.3	3066.3	3066.3	3066.3	3066.3	3066.3	3066.3	3066.3	3066.3	3066.3
2.5°	3051.3	3052.8	3052.8	3058.8	3061.8	3063.3	3063.3	3075.3	3070.8	3073.8	3076.8
5°	3007.9	3016.9	3019.9	3019.9	3036.3	3042.3	3048.3	3061.8	3063.3	3072.3	3082.8
7.5°	2966.0	2976.4	2982.5	2995.9	3006.4	3016.9	3034.9	3043.9	3052.8	3064.8	3078.3
10°	2925.5	2937.6	2949.5	2960.0	2976.4	2989.9	3001.9	3022.9	3033.4	3049.8	3067.8
12.5°	2886.7	2903.1	2913.6	2931.5	2949.5	2961.5	2979.5	2998.9	3015.4	3031.8	3052.8
15°	2852.2	2871.7	2883.6	2903.1	2922.6	2939.0	2958.5	2982.5	2994.4	3013.9	3033.4
17.5°	2814.7	2835.8	2850.7	2868.7	2892.6	2910.6	2927.1	2951.0	2966.0	2986.9	3009.4
20°	2775.9	2796.8	2814.7	2832.7	2856.7	2874.6	2894.1	2918.1	2934.5	2955.5	2973.5
22.5°	2729.4	2748.9	2768.3	2789.3	2813.3	2828.2	2850.7	2871.7	2889.6	2909.1	2927.1
25°	2669.5	2693.5	2708.5	2727.9	2747.4	2763.8	2787.8	2808.8	2823.7	2841.7	2858.2
27.5°	2599.2	2617.2	2629.1	2645.6	2665.0	2680.0	2698.0	2719.0	2733.9	2750.4	2762.4
30°	2479.4	2495.9	2506.4	2518.3	2537.8	2551.3	2566.3	2585.7	2596.1	2608.2	2618.6
32.5°	2322.2	2335.7	2341.6	2350.6	2364.1	2377.6	2389.6	2406.0	2410.5	2418.0	2418.0
35°	2094.6	2097.6	2096.1	2099.1	2105.1	2112.6	2123.0	2133.5	2139.5	2139.5	2135.1
37.5°	1828.1	1810.2	1790.7	1775.7	1771.2	1768.2	1774.2	1778.7	1784.7	1787.7	1780.2
40°	1551.1	1510.7	1467.3	1428.3	1401.4	1389.4	1384.9	1387.9	1387.9	1398.4	1398.4
42.5°	1313.1	1250.2	1185.8	1127.4	1088.5	1058.6	1045.1	1045.1	1046.5	1054.1	1058.6
45°	1115.4	1036.1	961.2	896.9	842.9	804.0	786.0	781.5	780.1	783.0	793.5
47.5°	964.2	881.9	804.0	724.7	667.8	628.8	612.4	606.3	600.4	606.3	607.9
50°	845.9	760.6	678.3	598.9	539.0	504.5	483.6	474.6	473.1	473.1	476.1
52.5°	738.1	658.8	576.5	495.6	432.7	399.8	380.3	375.8	369.8	375.8	375.8
55°	636.3	557.0	476.1	399.8	347.3	312.9	294.9	289.0	285.9	290.4	290.4
57.5°	525.6	458.1	383.3	314.4	262.0	238.1	224.6	217.1	215.6	218.6	215.6
60°	431.2	374.3	309.9	247.1	206.6	181.2	170.7	167.7	164.7	167.7	167.7
62.5°	341.4	293.5	241.0	193.1	158.7	140.8	128.7	128.7	127.3	127.3	128.7
65°	253.0	215.6	178.2	137.7	110.8	97.3	88.3	88.3	86.8	88.3	86.8
67.5°	184.1	158.7	128.7	100.3	79.4	71.9	65.9	61.4	64.4	61.4	59.9
70°	134.8	113.8	92.8	76.4	61.4	53.9	49.4	47.9	44.9	44.9	44.9
72.5°	89.9	76.4	62.9	49.4	40.4	32.9	31.4	28.5	25.5	26.9	30.0
75°	59.9	50.9	44.9	35.9	26.9	26.9	18.0	18.0	15.0	18.0	13.5
77.5°	41.9	34.4	26.9	22.4	18.0	16.5	12.0	12.0	10.5	10.5	10.5
80°	30.0	25.5	19.5	16.5	12.0	12.0	10.5	9.0	7.5	7.5	9.0
82.5°	18.0	13.5	13.5	12.0	7.5	6.0	4.5	6.0	3.0	3.0	3.0
85°	10.5	9.0	7.5	4.5	3.0	3.0	1.5	0.0	1.5	1.5	0.0
87.5°	6.0	3.0	3.0	1.5	0.0	1.5	1.5	0.0	0.0	0.0	3.0
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°	3066.3	3066.3	3066.3	3066.3	3066.3	3066.3	3066.3	3066.3	3066.3	3066.3	3066.3
2.5°	3084.3	3082.8	3085.8	3085.8	3094.8	3093.2	3097.7	3097.7	3094.8	3096.2	3102.2
5°	3094.8	3099.3	3108.2	3115.7	3129.2	3135.2	3142.7	3150.2	3151.6	3156.1	3160.6
7.5°	3094.8	3109.7	3120.2	3133.7	3151.6	3162.1	3178.6	3192.1	3198.1	3205.5	3214.5
10°	3088.7	3103.7	3123.2	3138.2	3160.6	3177.1	3193.6	3214.5	3223.5	3235.5	3247.5
12.5°	3076.8	3093.2	3114.2	3133.7	3159.1	3174.1	3195.0	3214.5	3228.0	3244.5	3258.0
15°	3058.8	3078.3	3097.7	3117.2	3144.1	3162.1	3181.6	3204.0	3217.5	3235.5	3247.5
17.5°	3030.4	3051.3	3069.3	3087.3	3112.7	3133.7	3151.6	3172.6	3186.1	3201.1	3217.5
20°	2995.9	3015.4	3034.9	3049.8	3075.3	3093.2	3112.7	3132.2	3142.7	3145.7	3171.1
22.5°	2952.5	2966.0	2980.9	3004.9	3019.9	3036.3	3054.3	3072.3	3082.8	3099.3	3108.2
25°	2880.6	2894.1	2910.6	2921.0	2939.0	2952.5	2970.5	2989.9	2995.9	3007.9	3016.9
27.5°	2780.3	2787.8	2795.3	2804.3	2814.7	2822.3	2832.7	2841.7	2847.7	2853.7	2859.7
30°	2621.6	2621.6	2621.6	2615.6	2620.1	2624.6	2626.1	2624.6	2624.6	2623.1	2623.1
32.5°	2412.0	2400.1	2386.6	2374.6	2370.1	2364.1	2361.1	2356.6	2349.1	2344.6	2346.1
35°	2129.0	2102.1	2085.6	2070.7	2058.7	2049.7	2045.2	2040.7	2039.2	2033.2	2027.2
37.5°	1775.7	1756.2	1744.3	1735.3	1724.8	1715.8	1717.3	1718.8	1723.3	1720.3	1721.8
40°	1401.4	1396.9	1401.4	1390.9	1387.9	1390.9	1398.4	1408.9	1414.9	1420.9	1431.3
42.5°	1066.0	1073.5	1084.0	1084.0	1088.5	1094.5	1103.4	1119.9	1128.9	1139.4	1151.4
45°	802.5	811.5	825.0	829.4	832.5	839.9	850.4	863.9	869.9	878.9	889.3
47.5°	618.4	624.3	631.8	639.3	646.8	649.8	660.3	660.3	667.8	673.8	676.7
50°	482.1	488.1	494.1	498.6	501.6	506.1	509.0	513.5	515.0	518.0	519.5
52.5°	377.3	384.8	384.8	387.8	392.3	396.8	395.3	396.8	398.2	398.2	402.7
55°	294.9	294.9	299.4	299.4	302.5	300.9	302.5	302.5	302.5	302.5	303.9
57.5°	220.1	221.6	226.1	223.1	221.6	224.6	221.6	224.6	223.1	226.1	221.6
60°	169.2	169.2	170.7	170.7	172.2	172.2	172.2	170.7	170.7	169.2	169.2
62.5°	127.3	128.7	130.3	128.7	128.7	128.7	127.3	127.3	125.8	124.2	124.2
65°	85.4	83.9	86.8	83.9	85.4	85.4	83.9	85.4	80.9	82.3	80.9
67.5°	61.4	59.9	58.4	59.9	58.4	56.9	56.9	58.4	59.9	55.4	55.4
70°	40.4	41.9	40.4	41.9	43.4	43.4	41.9	40.4	41.9	38.9	40.4
72.5°	25.5	25.5	25.5	25.5	25.5	26.9	26.9	26.9	24.0	24.0	22.4
75°	12.0	16.5	13.5	12.0	16.5	16.5	15.0	15.0	13.5	13.5	13.5
77.5°	12.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	7.5	9.0	7.5
80°	6.0	6.0	6.0	4.5	6.0	6.0	7.5	6.0	6.0	4.5	7.5
82.5°	3.0	3.0	3.0	0.0	1.5	3.0	3.0	1.5	3.0	3.0	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: P244523

CATALOG NUMBER: LD8B50D010 ER8B50827 8LBSW0H

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3066.3	3066.3	3066.3	3066.3	3066.3	3066.3	3066.3	3066.3	3066.3	3066.3	3066.3
2.5°	3100.7	3099.3	3100.7	3102.2	3100.7	3099.3	3100.7	3102.2	3096.2	3094.8	3097.7
5°	3166.6	3166.6	3169.6	3171.1	3169.6	3166.6	3166.6	3160.6	3156.1	3151.6	3150.2
7.5°	3223.5	3226.5	3229.5	3231.0	3229.5	3226.5	3223.5	3214.5	3205.5	3198.1	3192.1
10°	3258.0	3262.5	3268.4	3271.4	3268.4	3262.5	3258.0	3247.5	3235.5	3223.5	3214.5
12.5°	3272.9	3277.4	3284.9	3283.4	3284.9	3277.4	3272.9	3258.0	3244.5	3228.0	3214.5
15°	3262.5	3268.4	3275.9	3278.9	3275.9	3268.4	3262.5	3247.5	3235.5	3217.5	3204.0
17.5°	3229.5	3238.5	3243.0	3247.5	3243.0	3238.5	3229.5	3217.5	3201.1	3186.1	3172.6
20°	3184.6	3190.6	3196.6	3198.1	3196.6	3190.6	3184.6	3171.1	3145.7	3142.7	3132.2
22.5°	3120.2	3124.7	3138.2	3133.7	3138.2	3124.7	3120.2	3108.2	3099.3	3082.8	3072.3
25°	3027.3	3031.8	3033.4	3034.9	3033.4	3031.8	3027.3	3016.9	3007.9	2995.9	2989.9
27.5°	2867.2	2867.2	2870.1	2871.7	2870.1	2867.2	2867.2	2859.7	2853.7	2847.7	2841.7
30°	2624.6	2624.6	2624.6	2632.1	2624.6	2624.6	2624.6	2623.1	2623.1	2624.6	2624.6
32.5°	2344.6	2341.6	2338.7	2341.6	2338.7	2341.6	2344.6	2346.1	2344.6	2349.1	2356.6
35°	2027.2	2025.7	2030.2	2024.3	2030.2	2025.7	2027.2	2027.2	2033.2	2039.2	2040.7
37.5°	1723.3	1720.3	1726.3	1720.3	1726.3	1720.3	1723.3	1721.8	1720.3	1723.3	1718.8
40°	1434.4	1437.3	1437.3	1449.3	1437.3	1437.3	1434.4	1431.3	1420.9	1414.9	1408.9
42.5°	1157.3	1166.3	1163.3	1172.3	1163.3	1166.3	1157.3	1151.4	1139.4	1128.9	1119.9
45°	895.3	901.4	901.4	904.3	901.4	901.4	895.3	889.3	878.9	869.9	863.9
47.5°	687.2	687.2	687.2	688.7	687.2	687.2	687.2	676.7	673.8	667.8	660.3
50°	522.5	524.0	525.6	527.0	525.6	524.0	522.5	519.5	518.0	515.0	513.5
52.5°	401.3	402.7	399.8	402.7	399.8	402.7	401.3	402.7	398.2	398.2	396.8
55°	303.9	302.5	303.9	305.4	303.9	302.5	303.9	303.9	302.5	302.5	302.5
57.5°	223.1	220.1	220.1	220.1	220.1	220.1	223.1	221.6	226.1	223.1	224.6
60°	166.2	167.7	167.7	169.2	167.7	167.7	166.2	169.2	169.2	170.7	170.7
62.5°	122.8	127.3	124.2	127.3	124.2	127.3	122.8	124.2	124.2	125.8	127.3
65°	79.4	79.4	79.4	80.9	79.4	79.4	79.4	80.9	82.3	80.9	85.4
67.5°	53.9	55.4	58.4	56.9	58.4	55.4	53.9	55.4	55.4	59.9	58.4
70°	43.4	38.9	38.9	43.4	38.9	38.9	43.4	40.4	38.9	41.9	40.4
72.5°	25.5	22.4	25.5	25.5	25.5	22.4	25.5	22.4	24.0	24.0	26.9
75°	13.5	12.0	10.5	15.0	10.5	12.0	13.5	13.5	13.5	13.5	15.0
77.5°	9.0	7.5	10.5	10.5	10.5	7.5	9.0	7.5	9.0	7.5	9.0
80°	4.5	6.0	4.5	7.5	4.5	6.0	4.5	7.5	4.5	6.0	6.0
82.5°	1.5	3.0	3.0	3.0	3.0	3.0	1.5	1.5	3.0	3.0	1.5
85°	0.0	3.0	1.5	1.5	1.5	3.0	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: P244523

CATALOG NUMBER: LD8B50D010 ER8B50827 8LBSW0H

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3066.3	3066.3	3066.3	3066.3	3066.3	3066.3	3066.3	3066.3	3066.3	3066.3	3066.3
2.5°	3097.7	3093.2	3094.8	3085.8	3085.8	3082.8	3084.3	3076.8	3073.8	3070.8	3075.3
5°	3142.7	3135.2	3129.2	3115.7	3108.2	3099.3	3094.8	3082.8	3072.3	3063.3	3061.8
7.5°	3178.6	3162.1	3151.6	3133.7	3120.2	3109.7	3094.8	3078.3	3064.8	3052.8	3043.9
10°	3193.6	3177.1	3160.6	3138.2	3123.2	3103.7	3088.7	3067.8	3049.8	3033.4	3022.9
12.5°	3195.0	3174.1	3159.1	3133.7	3114.2	3093.2	3076.8	3052.8	3031.8	3015.4	2998.9
15°	3181.6	3162.1	3144.1	3117.2	3097.7	3078.3	3058.8	3033.4	3013.9	2994.4	2982.5
17.5°	3151.6	3133.7	3112.7	3087.3	3069.3	3051.3	3030.4	3009.4	2986.9	2966.0	2951.0
20°	3112.7	3093.2	3075.3	3049.8	3034.9	3015.4	2995.9	2973.5	2955.5	2934.5	2918.1
22.5°	3054.3	3036.3	3019.9	3004.9	2980.9	2966.0	2952.5	2927.1	2909.1	2889.6	2871.7
25°	2970.5	2952.5	2939.0	2921.0	2910.6	2894.1	2880.6	2858.2	2841.7	2823.7	2808.8
27.5°	2832.7	2822.3	2814.7	2804.3	2795.3	2787.8	2780.3	2762.4	2750.4	2733.9	2719.0
30°	2626.1	2624.6	2620.1	2615.6	2621.6	2621.6	2621.6	2618.6	2608.2	2596.1	2585.7
32.5°	2361.1	2364.1	2370.1	2374.6	2386.6	2400.1	2412.0	2418.0	2418.0	2410.5	2406.0
35°	2045.2	2049.7	2058.7	2070.7	2085.6	2102.1	2129.0	2135.1	2139.5	2139.5	2133.5
37.5°	1717.3	1715.8	1724.8	1735.3	1744.3	1756.2	1775.7	1780.2	1787.7	1784.7	1778.7
40°	1398.4	1390.9	1387.9	1390.9	1401.4	1396.9	1401.4	1398.4	1398.4	1387.9	1387.9
42.5°	1103.4	1094.5	1088.5	1084.0	1084.0	1073.5	1066.0	1058.6	1054.1	1046.5	1045.1
45°	850.4	839.9	832.5	829.4	825.0	811.5	802.5	793.5	783.0	780.1	781.5
47.5°	660.3	649.8	646.8	639.3	631.8	624.3	618.4	607.9	606.3	600.4	606.3
50°	509.0	506.1	501.6	498.6	494.1	488.1	482.1	476.1	473.1	473.1	474.6
52.5°	395.3	396.8	392.3	387.8	384.8	384.8	377.3	375.8	375.8	369.8	375.8
55°	302.5	300.9	302.5	299.4	299.4	294.9	294.9	290.4	290.4	285.9	289.0
57.5°	221.6	224.6	221.6	223.1	226.1	221.6	220.1	215.6	218.6	215.6	217.1
60°	172.2	172.2	172.2	170.7	170.7	169.2	169.2	167.7	167.7	164.7	167.7
62.5°	127.3	128.7	128.7	128.7	130.3	128.7	127.3	128.7	127.3	127.3	128.7
65°	83.9	85.4	85.4	83.9	86.8	83.9	85.4	86.8	88.3	86.8	88.3
67.5°	56.9	56.9	58.4	59.9	58.4	59.9	61.4	59.9	61.4	64.4	61.4
70°	41.9	43.4	43.4	41.9	40.4	41.9	40.4	44.9	44.9	44.9	47.9
72.5°	26.9	26.9	25.5	25.5	25.5	25.5	25.5	30.0	26.9	25.5	28.5
75°	15.0	16.5	16.5	12.0	13.5	16.5	12.0	13.5	18.0	15.0	18.0
77.5°	9.0	9.0	9.0	9.0	9.0	9.0	12.0	10.5	10.5	10.5	12.0
80°	7.5	6.0	6.0	4.5	6.0	6.0	6.0	9.0	7.5	7.5	9.0
82.5°	3.0	3.0	1.5	0.0	3.0	3.0	3.0	3.0	3.0	3.0	6.0
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	3.0	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: P244523

CATALOG NUMBER: LD8B50D010 ER8B50827 8LBSW0H

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3066.3	3066.3	3066.3	3066.3	3066.3	3066.3	3066.3	3066.3	3066.3	3066.3	3066.3
2.5°	3063.3	3063.3	3061.8	3058.8	3052.8	3052.8	3051.3	3046.8	3043.9	3042.3	3042.3
5°	3048.3	3042.3	3036.3	3019.9	3019.9	3016.9	3007.9	3001.9	2998.9	2991.4	2988.5
7.5°	3034.9	3016.9	3006.4	2995.9	2982.5	2976.4	2966.0	2961.5	2951.0	2943.5	2939.0
10°	3001.9	2989.9	2976.4	2960.0	2949.5	2937.6	2925.5	2916.6	2903.1	2895.6	2889.6
12.5°	2979.5	2961.5	2949.5	2931.5	2913.6	2903.1	2886.7	2876.2	2862.7	2847.7	2838.7
15°	2958.5	2939.0	2922.6	2903.1	2883.6	2871.7	2852.2	2840.3	2820.8	2805.8	2795.3
17.5°	2927.1	2910.6	2892.6	2868.7	2850.7	2835.8	2814.7	2799.8	2781.8	2762.4	2751.9
20°	2894.1	2874.6	2856.7	2832.7	2814.7	2796.8	2775.9	2759.4	2738.4	2720.4	2708.5
22.5°	2850.7	2828.2	2813.3	2789.3	2768.3	2748.9	2729.4	2710.0	2690.5	2675.5	2662.0
25°	2787.8	2763.8	2747.4	2727.9	2708.5	2693.5	2669.5	2657.6	2638.1	2624.6	2611.1
27.5°	2698.0	2680.0	2665.0	2645.6	2629.1	2617.2	2599.2	2587.2	2570.7	2558.7	2548.3
30°	2566.3	2551.3	2537.8	2518.3	2506.4	2495.9	2479.4	2468.9	2456.9	2443.4	2440.5
32.5°	2389.6	2377.6	2364.1	2350.6	2341.6	2335.7	2322.2	2316.2	2304.2	2296.7	2289.2
35°	2123.0	2112.6	2105.1	2099.1	2096.1	2097.6	2094.6	2100.6	2103.6	2102.1	2103.6
37.5°	1774.2	1768.2	1771.2	1775.7	1790.7	1810.2	1828.1	1855.0	1873.0	1891.0	1907.5
40°	1384.9	1389.4	1401.4	1428.3	1467.3	1510.7	1551.1	1602.0	1653.0	1688.9	1721.8
42.5°	1045.1	1058.6	1088.5	1127.4	1185.8	1250.2	1313.1	1387.9	1449.3	1509.2	1551.1
45°	786.0	804.0	842.9	896.9	961.2	1036.1	1115.4	1199.3	1272.7	1334.0	1380.4
47.5°	612.4	628.8	667.8	724.7	804.0	881.9	964.2	1051.0	1127.4	1187.3	1227.7
50°	483.6	504.5	539.0	598.9	678.3	760.6	845.9	931.2	1003.2	1054.1	1090.0
52.5°	380.3	399.8	432.7	495.6	576.5	658.8	738.1	822.0	884.8	934.3	958.2
55°	294.9	312.9	347.3	399.8	476.1	557.0	636.3	708.2	766.6	802.5	825.0
57.5°	224.6	238.1	262.0	314.4	383.3	458.1	525.6	597.4	642.3	667.8	682.7
60°	170.7	181.2	206.6	247.1	309.9	374.3	431.2	485.1	521.1	542.0	557.0
62.5°	128.7	140.8	158.7	193.1	241.0	293.5	341.4	381.8	411.7	425.2	435.7
65°	88.3	97.3	110.8	137.7	178.2	215.6	253.0	283.0	302.5	317.4	323.4
67.5°	65.9	71.9	79.4	100.3	128.7	158.7	184.1	205.1	226.1	232.1	242.6
70°	49.4	53.9	61.4	76.4	92.8	113.8	134.8	146.7	161.7	172.2	175.2
72.5°	31.4	32.9	40.4	49.4	62.9	76.4	89.9	100.3	109.3	115.3	118.3
75°	18.0	26.9	26.9	35.9	44.9	50.9	59.9	67.4	71.9	76.4	76.4
77.5°	12.0	16.5	18.0	22.4	26.9	34.4	41.9	46.4	50.9	52.4	52.4
80°	10.5	12.0	12.0	16.5	19.5	25.5	30.0	31.4	34.4	35.9	38.9
82.5°	4.5	6.0	7.5	12.0	13.5	13.5	18.0	19.5	22.4	24.0	24.0
85°	1.5	3.0	3.0	4.5	7.5	9.0	10.5	12.0	13.5	13.5	15.0
87.5°	1.5	1.5	0.0	1.5	3.0	3.0	6.0	6.0	6.0	9.0	9.0
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: P244523

CATALOG NUMBER: LD8B50D010 ER8B50827 8LBSW0H

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	3066.3	3066.3	3066.3	3066.3	3066.3	3066.3	3066.3
2.5°	3039.4	3040.8	3034.9	3033.4	3030.4	3031.8	3034.9
5°	2984.0	2985.4	2979.5	2973.5	2973.5	2971.9	2973.5
7.5°	2931.5	2933.1	2924.1	2921.0	2915.1	2916.6	2916.6
10°	2879.1	2879.1	2865.7	2864.2	2859.7	2858.2	2858.2
12.5°	2828.2	2823.7	2813.3	2807.3	2810.3	2801.3	2801.3
15°	2783.3	2775.9	2762.4	2757.9	2750.4	2747.4	2747.4
17.5°	2736.9	2730.9	2719.0	2710.0	2701.0	2699.5	2701.0
20°	2692.0	2686.0	2671.0	2665.0	2657.6	2657.6	2654.6
22.5°	2647.1	2641.1	2627.6	2623.1	2612.7	2612.7	2614.1
25°	2600.6	2596.1	2581.2	2578.2	2576.7	2570.7	2573.7
27.5°	2537.8	2534.8	2522.8	2518.3	2512.3	2510.9	2513.8
30°	2422.5	2418.0	2409.0	2404.5	2394.1	2395.6	2398.5
32.5°	2278.8	2272.8	2260.8	2256.3	2247.3	2244.3	2245.8
35°	2099.1	2094.6	2084.2	2084.2	2075.2	2072.1	2075.2
37.5°	1916.5	1920.9	1916.5	1920.9	1916.5	1914.9	1916.5
40°	1744.3	1760.7	1763.7	1780.2	1774.2	1783.2	1781.7
42.5°	1579.6	1606.5	1617.0	1630.5	1627.5	1633.5	1638.0
45°	1413.3	1435.8	1446.3	1455.3	1456.8	1459.8	1461.3
47.5°	1256.1	1274.1	1275.6	1286.1	1284.6	1284.6	1289.1
50°	1109.5	1121.4	1124.4	1131.9	1125.9	1122.9	1124.4
52.5°	973.2	985.2	982.1	985.2	977.7	974.7	976.2
55°	833.9	839.9	839.9	839.9	831.0	831.0	831.0
57.5°	691.7	693.2	690.2	691.7	690.2	681.2	679.7
60°	561.5	561.5	559.9	561.5	557.0	552.5	552.5
62.5°	438.7	441.7	447.7	441.7	438.7	441.7	437.2
65°	327.9	333.9	332.4	335.4	333.9	333.9	330.9
67.5°	247.1	248.5	250.0	251.6	251.6	251.6	251.6
70°	181.2	185.7	184.1	184.1	184.1	184.1	193.1
72.5°	121.3	127.3	125.8	128.7	128.7	131.8	128.7
75°	82.3	88.3	85.4	89.9	88.3	85.4	92.8
77.5°	55.4	58.4	59.9	61.4	59.9	58.4	59.9
80°	38.9	41.9	40.4	41.9	41.9	41.9	43.4
82.5°	24.0	28.5	26.9	28.5	26.9	28.5	28.5
85°	16.5	18.0	15.0	18.0	16.5	16.5	19.5
87.5°	10.5	9.0	9.0	10.5	9.0	10.5	9.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)