

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: P244541

Luminaire Tested: **LD8B50D010 ER8B50840 8LBSW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244541
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 ER8B50840 8LBSW0H
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 4000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5470.0 lumens
Efficiency: N/A
Efficacy: 103.2 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

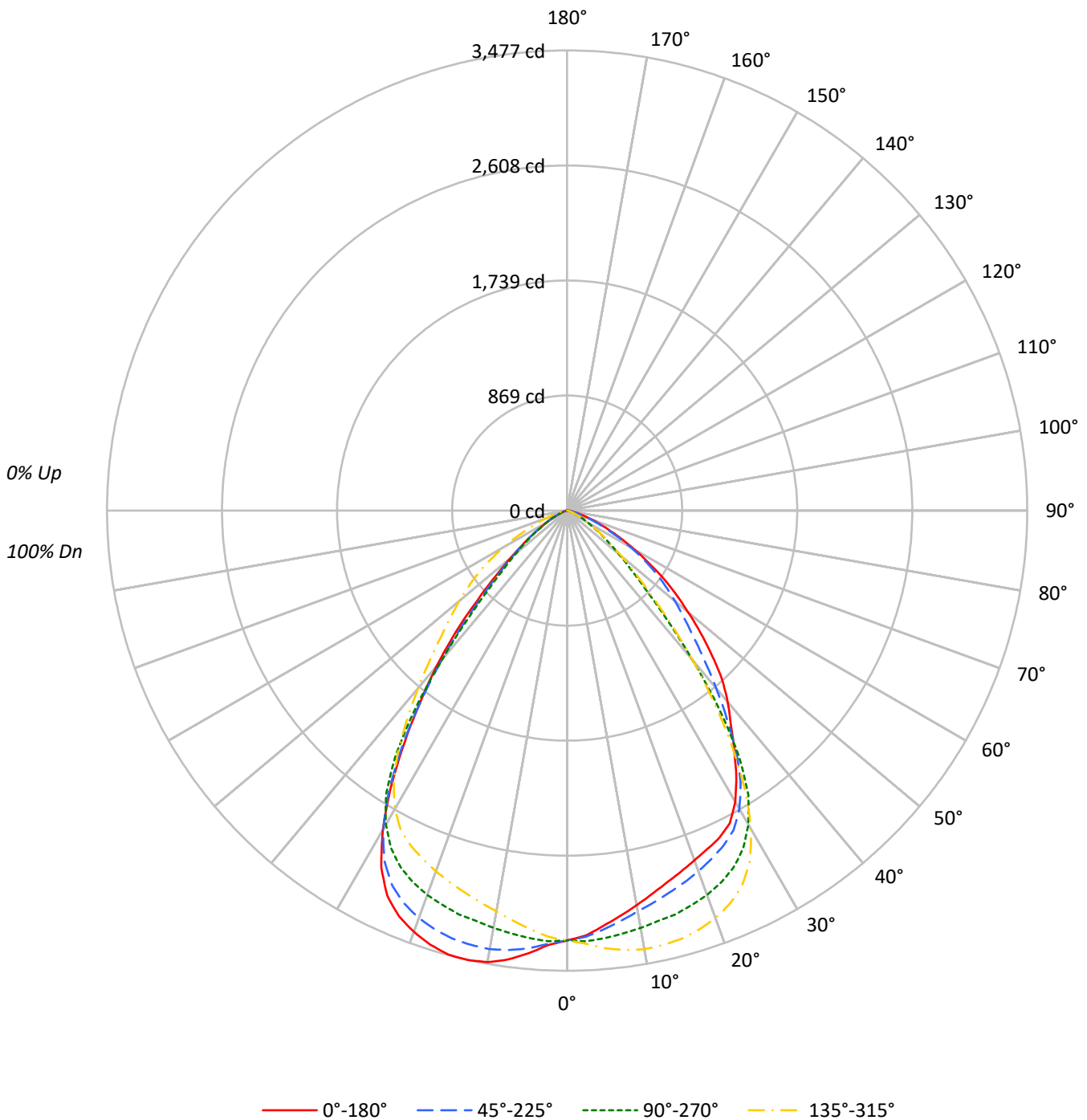
Input Watts (W): 53
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	100138	100138	100138	100138
5°	97478	100372	103956	100372
10°	94781	100242	108484	100242
15°	92886	100835	110856	100835
20°	92254	101412	111142	101412
25°	92740	101208	109357	101208
30°	90445	97505	99257	97505
35°	82731	85057	80702	85057
40°	75955	59169	61786	59169
45°	67489	36095	41764	36095
50°	57126	24111	26778	24111
55°	47310	16451	17392	16451
60°	36085	10953	11052	10953
65°	25567	6822	6246	6822
70°	18438	4571	4147	4571
75°	11712	2276	1894	2276
80°	8169	1687	1403	1687
85°	7288	0	566	0



TEST NUMBER: P244541

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	309.1	5.7
10°-20°	895.1	16.4
20°-30°	1355.3	24.8
30°-40°	1358.4	24.8
40°-50°	853.0	15.6
50°-60°	454.6	8.3
60°-70°	186.9	3.4
70°-80°	49.4	0.9
80°-90°	8.4	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°	2559.5	46.8
0°-40°	3917.8	71.6
0°-60°	5225.3	95.5
0°-90°	5470.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5470.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3247	3247	3247	3247	3247	
5°	3149	3243	3358	3243	3149	297
15°	2910	3159	3472	3159	2910	823
25°	2726	2975	3214	2975	2726	1250
35°	2198	2260	2144	2260	2198	1377
45°	1548	828	958	828	1548	1190
55°	880	306	324	306	880	785
65°	350	94	86	94	350	363
75°	98	19	16	19	98	111
85°	21	0	2	0	21	23
90°	0	0	0	0	0	



TEST NUMBER: P244541

CATALOG NUMBER: LD8B50D010 ER8B50840 8LBSW0H

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	3247.4	3247.4	3247.4	3247.4	3247.4	3247.4	3247.4	3247.4	3247.4	3247.4	3247.4
2.5°	3214.1	3210.9	3209.3	3212.5	3214.1	3220.4	3218.8	3222.0	3222.0	3223.6	3226.7
5°	3149.1	3147.4	3149.1	3149.1	3155.4	3161.7	3160.2	3164.9	3168.1	3176.0	3179.2
7.5°	3088.8	3088.8	3087.2	3093.5	3096.7	3106.3	3104.6	3112.6	3117.4	3125.3	3136.3
10°	3027.0	3027.0	3028.5	3033.3	3034.9	3049.2	3049.2	3060.2	3066.6	3074.5	3088.8
12.5°	2966.7	2966.7	2976.3	2973.1	2979.4	2990.5	2995.2	3006.3	3015.9	3031.7	3046.0
15°	2909.6	2909.6	2912.8	2920.7	2925.5	2939.8	2947.7	2960.4	2971.5	2987.3	3008.0
17.5°	2860.5	2858.9	2860.5	2870.0	2879.5	2892.2	2898.5	2914.4	2925.5	2946.1	2965.2
20°	2811.3	2814.5	2814.5	2822.4	2828.8	2844.6	2850.9	2868.4	2881.1	2900.1	2922.3
22.5°	2768.5	2766.9	2766.9	2778.0	2782.8	2797.0	2803.4	2819.2	2833.5	2849.4	2870.0
25°	2725.7	2722.5	2728.9	2730.5	2733.6	2749.5	2754.2	2765.3	2779.6	2793.9	2814.5
27.5°	2662.3	2659.1	2660.7	2667.0	2671.8	2684.4	2687.6	2698.7	2709.8	2722.5	2740.0
30°	2540.1	2537.0	2535.4	2546.5	2551.3	2560.8	2565.5	2584.6	2587.7	2602.0	2614.7
32.5°	2378.4	2376.9	2380.0	2389.5	2394.3	2407.0	2413.3	2424.4	2432.3	2440.3	2453.0
35°	2197.7	2194.5	2197.7	2207.2	2207.2	2218.3	2223.1	2227.8	2226.2	2227.8	2224.7
37.5°	2029.6	2028.0	2029.6	2034.3	2029.6	2034.3	2029.6	2020.1	2002.7	1983.6	1964.6
40°	1886.9	1888.5	1879.0	1885.3	1867.8	1864.7	1847.3	1823.5	1788.6	1750.6	1696.7
42.5°	1734.7	1729.9	1723.6	1726.7	1712.5	1701.3	1672.8	1642.7	1598.3	1534.9	1469.9
45°	1547.6	1546.0	1542.8	1541.3	1531.7	1520.6	1496.8	1462.0	1412.8	1347.8	1270.1
47.5°	1365.2	1360.5	1360.5	1362.0	1350.9	1349.4	1330.3	1300.2	1257.4	1194.0	1113.1
50°	1190.8	1189.2	1192.4	1198.7	1190.8	1187.6	1175.0	1154.4	1116.3	1062.4	986.2
52.5°	1033.8	1032.2	1035.4	1043.3	1040.1	1043.3	1030.7	1014.8	989.4	937.1	870.5
55°	880.0	880.0	880.0	889.5	889.5	889.5	883.2	873.7	849.9	811.8	750.0
57.5°	719.9	721.4	731.0	732.5	731.0	734.2	732.5	723.0	707.2	680.3	632.7
60°	585.1	585.1	589.9	594.6	593.0	594.6	594.6	589.9	574.0	551.8	513.8
62.5°	463.0	467.8	464.6	467.8	474.1	467.8	464.6	461.4	450.3	436.0	404.3
65°	350.4	353.6	353.6	355.2	352.0	353.6	347.3	342.5	336.2	320.3	299.7
67.5°	266.4	266.4	266.4	266.4	264.8	263.2	261.7	256.9	245.8	239.5	217.2
70°	204.5	195.0	195.0	195.0	195.0	196.6	191.9	185.6	182.4	171.3	155.4
72.5°	136.3	139.5	136.3	136.3	133.2	134.8	128.4	125.2	122.1	115.8	106.3
75°	98.3	90.4	93.5	95.2	90.4	93.5	87.2	80.9	80.9	76.1	71.3
77.5°	63.4	61.9	63.4	65.0	63.4	61.9	58.7	55.5	55.5	53.9	49.1
80°	46.0	44.4	44.4	44.4	42.8	44.4	41.2	41.2	38.0	36.5	33.3
82.5°	30.2	30.2	28.5	30.2	28.5	30.2	25.4	25.4	25.4	23.8	20.6
85°	20.6	17.4	17.4	19.1	15.9	19.1	17.4	15.9	14.3	14.3	12.7
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: P244541

CATALOG NUMBER: LD8B50D010 ER8B50840 8LBSW0H

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	3247.4	3247.4	3247.4	3247.4	3247.4	3247.4	3247.4	3247.4	3247.4	3247.4	3247.4
2.5°	3231.5	3233.1	3233.1	3239.5	3242.6	3244.2	3244.2	3256.9	3252.1	3255.3	3258.5
5°	3185.6	3195.0	3198.2	3198.2	3215.6	3222.0	3228.3	3242.6	3244.2	3253.7	3264.8
7.5°	3141.1	3152.2	3158.6	3172.8	3183.9	3195.0	3214.1	3223.6	3233.1	3245.8	3260.0
10°	3098.3	3111.0	3123.7	3134.8	3152.2	3166.5	3179.2	3201.4	3212.5	3229.9	3248.9
12.5°	3057.1	3074.5	3085.6	3104.6	3123.7	3136.3	3155.4	3176.0	3193.5	3210.9	3233.1
15°	3020.6	3041.3	3053.9	3074.5	3095.2	3112.6	3133.2	3158.6	3171.3	3191.9	3212.5
17.5°	2981.0	3003.2	3019.1	3038.1	3063.4	3082.4	3099.9	3125.3	3141.1	3163.3	3187.1
20°	2939.8	2962.0	2981.0	3000.0	3025.4	3044.4	3065.0	3090.4	3107.8	3130.0	3149.1
22.5°	2890.6	2911.2	2931.8	2954.0	2979.4	2995.2	3019.1	3041.3	3060.2	3080.9	3099.9
25°	2827.2	2852.6	2868.4	2889.0	2909.6	2927.0	2952.4	2974.6	2990.5	3009.5	3027.0
27.5°	2752.7	2771.7	2784.4	2801.8	2822.4	2838.3	2857.3	2879.5	2895.4	2912.8	2925.5
30°	2625.8	2643.3	2654.4	2667.0	2687.6	2701.9	2717.8	2738.4	2749.5	2762.2	2773.3
32.5°	2459.3	2473.6	2479.9	2489.4	2503.7	2518.0	2530.7	2548.1	2552.9	2560.8	2560.8
35°	2218.3	2221.5	2219.9	2223.1	2229.4	2237.3	2248.4	2259.5	2265.8	2265.8	2261.1
37.5°	1936.0	1917.1	1896.4	1880.6	1875.8	1872.6	1879.0	1883.7	1890.1	1893.2	1885.3
40°	1642.7	1599.9	1553.9	1512.7	1484.1	1471.5	1466.7	1469.9	1469.9	1480.9	1480.9
42.5°	1390.6	1324.0	1255.8	1194.0	1152.7	1121.1	1106.8	1106.8	1108.3	1116.3	1121.1
45°	1181.3	1097.2	1018.0	949.8	892.7	851.5	832.5	827.7	826.1	829.3	840.4
47.5°	1021.1	934.0	851.5	767.5	707.2	666.0	648.5	642.2	635.8	642.2	643.8
50°	895.9	805.5	718.3	634.3	570.8	534.3	512.1	502.6	501.0	501.0	504.2
52.5°	781.7	697.7	610.5	524.9	458.2	423.4	402.8	398.0	391.7	398.0	398.0
55°	673.9	589.9	504.2	423.4	367.8	331.4	312.4	306.0	302.8	307.6	307.6
57.5°	556.6	485.2	406.0	333.0	277.5	252.1	237.8	229.9	228.3	231.5	228.3
60°	456.7	396.4	328.2	261.7	218.8	191.9	180.8	177.6	174.4	177.6	177.6
62.5°	361.5	310.8	255.3	204.5	168.1	149.1	136.3	136.3	134.8	134.8	136.3
65°	268.0	228.3	188.7	145.9	117.3	103.1	93.5	93.5	92.0	93.5	92.0
67.5°	195.0	168.1	136.3	106.3	84.1	76.1	69.8	65.0	68.2	65.0	63.4
70°	142.7	120.5	98.3	80.9	65.0	57.1	52.3	50.7	47.6	47.6	47.6
72.5°	95.2	80.9	66.6	52.3	42.8	34.9	33.3	30.2	27.0	28.5	31.7
75°	63.4	53.9	47.6	38.0	28.5	28.5	19.1	19.1	15.9	19.1	14.3
77.5°	44.4	36.5	28.5	23.8	19.1	17.4	12.7	12.7	11.1	11.1	11.1
80°	31.7	27.0	20.6	17.4	12.7	12.7	11.1	9.5	7.9	7.9	9.5
82.5°	19.1	14.3	14.3	12.7	7.9	6.3	4.8	6.3	3.2	3.2	3.2
85°	11.1	9.5	7.9	4.8	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: P244541

CATALOG NUMBER: LD8B50D010 ER8B50840 8LBSW0H

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	3247.4	3247.4	3247.4	3247.4	3247.4	3247.4	3247.4	3247.4	3247.4	3247.4	3247.4
2.5°	3266.4	3264.8	3268.0	3268.0	3277.5	3275.9	3280.7	3280.7	3277.5	3279.1	3285.4
5°	3277.5	3282.3	3291.7	3299.7	3313.9	3320.3	3328.2	3336.2	3337.8	3342.5	3347.3
7.5°	3277.5	3293.4	3304.5	3318.7	3337.8	3348.9	3366.3	3380.6	3386.9	3394.8	3404.3
10°	3271.1	3287.0	3307.6	3323.5	3347.3	3364.7	3382.1	3404.3	3413.9	3426.5	3439.2
12.5°	3258.5	3275.9	3298.1	3318.7	3345.7	3361.5	3383.7	3404.3	3418.6	3436.0	3450.3
15°	3239.5	3260.0	3280.7	3301.3	3329.8	3348.9	3369.5	3393.2	3407.5	3426.5	3439.2
17.5°	3209.3	3231.5	3250.6	3269.6	3296.5	3318.7	3337.8	3359.9	3374.2	3390.1	3407.5
20°	3172.8	3193.5	3214.1	3229.9	3256.9	3275.9	3296.5	3317.1	3328.2	3331.4	3358.4
22.5°	3126.9	3141.1	3157.0	3182.4	3198.2	3215.6	3234.7	3253.7	3264.8	3282.3	3291.7
25°	3050.7	3065.0	3082.4	3093.5	3112.6	3126.9	3145.9	3166.5	3172.8	3185.6	3195.0
27.5°	2944.5	2952.4	2960.4	2969.9	2981.0	2988.9	3000.0	3009.5	3015.9	3022.2	3028.5
30°	2776.4	2776.4	2776.4	2770.1	2774.8	2779.6	2781.2	2779.6	2779.6	2778.0	2778.0
32.5°	2554.4	2541.8	2527.5	2514.8	2510.1	2503.7	2500.5	2495.8	2487.9	2483.1	2484.7
35°	2254.7	2226.2	2208.8	2192.9	2180.3	2170.7	2166.0	2161.2	2159.6	2153.3	2146.9
37.5°	1880.6	1859.9	1847.3	1837.8	1826.7	1817.1	1818.7	1820.3	1825.0	1821.9	1823.5
40°	1484.1	1479.4	1484.1	1473.0	1469.9	1473.0	1480.9	1492.1	1498.4	1504.8	1515.9
42.5°	1129.0	1136.9	1148.0	1148.0	1152.7	1159.1	1168.6	1186.1	1195.5	1206.6	1219.4
45°	849.9	859.4	873.7	878.4	881.6	889.5	900.7	914.9	921.2	930.8	941.9
47.5°	654.9	661.2	669.1	677.1	685.0	688.2	699.3	699.3	707.2	713.6	716.7
50°	510.6	516.9	523.2	528.0	531.2	536.0	539.1	543.9	545.4	548.6	550.2
52.5°	399.6	407.5	407.5	410.7	415.4	420.2	418.6	420.2	421.7	421.7	426.5
55°	312.4	312.4	317.1	317.1	320.3	318.7	320.3	320.3	320.3	320.3	321.9
57.5°	233.1	234.7	239.5	236.3	234.7	237.8	234.7	237.8	236.3	239.5	234.7
60°	179.2	179.2	180.8	180.8	182.4	182.4	182.4	180.8	180.8	179.2	179.2
62.5°	134.8	136.3	138.0	136.3	136.3	136.3	134.8	134.8	133.2	131.6	131.6
65°	90.4	88.8	92.0	88.8	90.4	90.4	88.8	90.4	85.6	87.2	85.6
67.5°	65.0	63.4	61.9	63.4	61.9	60.2	60.2	61.9	63.4	58.7	58.7
70°	42.8	44.4	42.8	44.4	46.0	46.0	44.4	42.8	44.4	41.2	42.8
72.5°	27.0	27.0	27.0	27.0	27.0	28.5	28.5	28.5	25.4	25.4	23.8
75°	12.7	17.4	14.3	12.7	17.4	17.4	15.9	15.9	14.3	14.3	14.3
77.5°	12.7	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	4.8	6.3	6.3	7.9	6.3	6.3	4.8	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: P244541

CATALOG NUMBER: LD8B50D010 ER8B50840 8LBSW0H

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3247.4	3247.4	3247.4	3247.4	3247.4	3247.4	3247.4	3247.4	3247.4	3247.4	3247.4
2.5°	3283.8	3282.3	3283.8	3285.4	3283.8	3282.3	3283.8	3285.4	3279.1	3277.5	3280.7
5°	3353.6	3353.6	3356.8	3358.4	3356.8	3353.6	3353.6	3347.3	3342.5	3337.8	3336.2
7.5°	3413.9	3417.1	3420.2	3421.8	3420.2	3417.1	3413.9	3404.3	3394.8	3386.9	3380.6
10°	3450.3	3455.1	3461.4	3464.6	3461.4	3455.1	3450.3	3439.2	3426.5	3413.9	3404.3
12.5°	3466.2	3471.0	3478.9	3477.3	3478.9	3471.0	3466.2	3450.3	3436.0	3418.6	3404.3
15°	3455.1	3461.4	3469.3	3472.5	3469.3	3461.4	3455.1	3439.2	3426.5	3407.5	3393.2
17.5°	3420.2	3429.7	3434.5	3439.2	3434.5	3429.7	3420.2	3407.5	3390.1	3374.2	3359.9
20°	3372.6	3379.0	3385.3	3386.9	3385.3	3379.0	3372.6	3358.4	3331.4	3328.2	3317.1
22.5°	3304.5	3309.2	3323.5	3318.7	3323.5	3309.2	3304.5	3291.7	3282.3	3264.8	3253.7
25°	3206.1	3210.9	3212.5	3214.1	3212.5	3210.9	3206.1	3195.0	3185.6	3172.8	3166.5
27.5°	3036.5	3036.5	3039.6	3041.3	3039.6	3036.5	3036.5	3028.5	3022.2	3015.9	3009.5
30°	2779.6	2779.6	2779.6	2787.6	2779.6	2779.6	2779.6	2778.0	2778.0	2779.6	2779.6
32.5°	2483.1	2479.9	2476.8	2479.9	2476.8	2479.9	2483.1	2484.7	2483.1	2487.9	2495.8
35°	2146.9	2145.4	2150.1	2143.8	2150.1	2145.4	2146.9	2146.9	2153.3	2159.6	2161.2
37.5°	1825.0	1821.9	1828.2	1821.9	1828.2	1821.9	1825.0	1823.5	1821.9	1825.0	1820.3
40°	1519.1	1522.2	1522.2	1534.9	1522.2	1522.2	1519.1	1515.9	1504.8	1498.4	1492.1
42.5°	1225.7	1235.2	1232.0	1241.6	1232.0	1235.2	1225.7	1219.4	1206.6	1195.5	1186.1
45°	948.2	954.6	954.6	957.7	954.6	954.6	948.2	941.9	930.8	921.2	914.9
47.5°	727.8	727.8	727.8	729.4	727.8	727.8	727.8	716.7	713.6	707.2	699.3
50°	553.4	555.0	556.6	558.2	556.6	555.0	553.4	550.2	548.6	545.4	543.9
52.5°	424.9	426.5	423.4	426.5	423.4	426.5	424.9	426.5	421.7	421.7	420.2
55°	321.9	320.3	321.9	323.5	321.9	320.3	321.9	321.9	320.3	320.3	320.3
57.5°	236.3	233.1	233.1	233.1	233.1	233.1	236.3	234.7	239.5	236.3	237.8
60°	176.0	177.6	177.6	179.2	177.6	177.6	176.0	179.2	179.2	180.8	180.8
62.5°	130.0	134.8	131.6	134.8	131.6	134.8	130.0	131.6	131.6	133.2	134.8
65°	84.1	84.1	84.1	85.6	84.1	84.1	84.1	85.6	87.2	85.6	90.4
67.5°	57.1	58.7	61.9	60.2	61.9	58.7	57.1	58.7	58.7	63.4	61.9
70°	46.0	41.2	41.2	46.0	41.2	41.2	46.0	42.8	41.2	44.4	42.8
72.5°	27.0	23.8	27.0	27.0	27.0	23.8	27.0	23.8	25.4	25.4	28.5
75°	14.3	12.7	11.1	15.9	11.1	12.7	14.3	14.3	14.3	14.3	15.9
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°	4.8	6.3	4.8	7.9	4.8	6.3	4.8	7.9	4.8	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: P244541

CATALOG NUMBER: LD8B50D010 ER8B50840 8LBSW0H

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3247.4	3247.4	3247.4	3247.4	3247.4	3247.4	3247.4	3247.4	3247.4	3247.4	3247.4
2.5°	3280.7	3275.9	3277.5	3268.0	3268.0	3264.8	3266.4	3258.5	3255.3	3252.1	3256.9
5°	3328.2	3320.3	3313.9	3299.7	3291.7	3282.3	3277.5	3264.8	3253.7	3244.2	3242.6
7.5°	3366.3	3348.9	3337.8	3318.7	3304.5	3293.4	3277.5	3260.0	3245.8	3233.1	3223.6
10°	3382.1	3364.7	3347.3	3323.5	3307.6	3287.0	3271.1	3248.9	3229.9	3212.5	3201.4
12.5°	3383.7	3361.5	3345.7	3318.7	3298.1	3275.9	3258.5	3233.1	3210.9	3193.5	3176.0
15°	3369.5	3348.9	3329.8	3301.3	3280.7	3260.0	3239.5	3212.5	3191.9	3171.3	3158.6
17.5°	3337.8	3318.7	3296.5	3269.6	3250.6	3231.5	3209.3	3187.1	3163.3	3141.1	3125.3
20°	3296.5	3275.9	3256.9	3229.9	3214.1	3193.5	3172.8	3149.1	3130.0	3107.8	3090.4
22.5°	3234.7	3215.6	3198.2	3182.4	3157.0	3141.1	3126.9	3099.9	3080.9	3060.2	3041.3
25°	3145.9	3126.9	3112.6	3093.5	3082.4	3065.0	3050.7	3027.0	3009.5	2990.5	2974.6
27.5°	3000.0	2988.9	2981.0	2969.9	2960.4	2952.4	2944.5	2925.5	2912.8	2895.4	2879.5
30°	2781.2	2779.6	2774.8	2770.1	2776.4	2776.4	2776.4	2773.3	2762.2	2749.5	2738.4
32.5°	2500.5	2503.7	2510.1	2514.8	2527.5	2541.8	2554.4	2560.8	2560.8	2552.9	2548.1
35°	2166.0	2170.7	2180.3	2192.9	2208.8	2226.2	2254.7	2261.1	2265.8	2265.8	2259.5
37.5°	1818.7	1817.1	1826.7	1837.8	1847.3	1859.9	1880.6	1885.3	1893.2	1890.1	1883.7
40°	1480.9	1473.0	1469.9	1473.0	1484.1	1479.4	1484.1	1480.9	1480.9	1469.9	1469.9
42.5°	1168.6	1159.1	1152.7	1148.0	1148.0	1136.9	1129.0	1121.1	1116.3	1108.3	1106.8
45°	900.7	889.5	881.6	878.4	873.7	859.4	849.9	840.4	829.3	826.1	827.7
47.5°	699.3	688.2	685.0	677.1	669.1	661.2	654.9	643.8	642.2	635.8	642.2
50°	539.1	536.0	531.2	528.0	523.2	516.9	510.6	504.2	501.0	501.0	502.6
52.5°	418.6	420.2	415.4	410.7	407.5	407.5	399.6	398.0	398.0	391.7	398.0
55°	320.3	318.7	320.3	317.1	317.1	312.4	312.4	307.6	307.6	302.8	306.0
57.5°	234.7	237.8	234.7	236.3	239.5	234.7	233.1	228.3	231.5	228.3	229.9
60°	182.4	182.4	182.4	180.8	180.8	179.2	179.2	177.6	177.6	174.4	177.6
62.5°	134.8	136.3	136.3	136.3	138.0	136.3	134.8	136.3	134.8	134.8	136.3
65°	88.8	90.4	90.4	88.8	92.0	88.8	90.4	92.0	93.5	92.0	93.5
67.5°	60.2	60.2	61.9	63.4	61.9	63.4	65.0	63.4	65.0	68.2	65.0
70°	44.4	46.0	46.0	44.4	42.8	44.4	42.8	47.6	47.6	47.6	50.7
72.5°	28.5	28.5	27.0	27.0	27.0	27.0	27.0	31.7	28.5	27.0	30.2
75°	15.9	17.4	17.4	12.7	14.3	17.4	12.7	14.3	19.1	15.9	19.1
77.5°	9.5	9.5	9.5	9.5	9.5	9.5	12.7	11.1	11.1	11.1	12.7
80°	7.9	6.3	6.3	4.8	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: P244541

CATALOG NUMBER: LD8B50D010 ER8B50840 8LBSW0H

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3247.4	3247.4	3247.4	3247.4	3247.4	3247.4	3247.4	3247.4	3247.4	3247.4	3247.4
2.5°	3244.2	3244.2	3242.6	3239.5	3233.1	3233.1	3231.5	3226.7	3223.6	3222.0	3222.0
5°	3228.3	3222.0	3215.6	3198.2	3198.2	3195.0	3185.6	3179.2	3176.0	3168.1	3164.9
7.5°	3214.1	3195.0	3183.9	3172.8	3158.6	3152.2	3141.1	3136.3	3125.3	3117.4	3112.6
10°	3179.2	3166.5	3152.2	3134.8	3123.7	3111.0	3098.3	3088.8	3074.5	3066.6	3060.2
12.5°	3155.4	3136.3	3123.7	3104.6	3085.6	3074.5	3057.1	3046.0	3031.7	3015.9	3006.3
15°	3133.2	3112.6	3095.2	3074.5	3053.9	3041.3	3020.6	3008.0	2987.3	2971.5	2960.4
17.5°	3099.9	3082.4	3063.4	3038.1	3019.1	3003.2	2981.0	2965.2	2946.1	2925.5	2914.4
20°	3065.0	3044.4	3025.4	3000.0	2981.0	2962.0	2939.8	2922.3	2900.1	2881.1	2868.4
22.5°	3019.1	2995.2	2979.4	2954.0	2931.8	2911.2	2890.6	2870.0	2849.4	2833.5	2819.2
25°	2952.4	2927.0	2909.6	2889.0	2868.4	2852.6	2827.2	2814.5	2793.9	2779.6	2765.3
27.5°	2857.3	2838.3	2822.4	2801.8	2784.4	2771.7	2752.7	2740.0	2722.5	2709.8	2698.7
30°	2717.8	2701.9	2687.6	2667.0	2654.4	2643.3	2625.8	2614.7	2602.0	2587.7	2584.6
32.5°	2530.7	2518.0	2503.7	2489.4	2479.9	2473.6	2459.3	2453.0	2440.3	2432.3	2424.4
35°	2248.4	2237.3	2229.4	2223.1	2219.9	2221.5	2218.3	2224.7	2227.8	2226.2	2227.8
37.5°	1879.0	1872.6	1875.8	1880.6	1896.4	1917.1	1936.0	1964.6	1983.6	2002.7	2020.1
40°	1466.7	1471.5	1484.1	1512.7	1553.9	1599.9	1642.7	1696.7	1750.6	1788.6	1823.5
42.5°	1106.8	1121.1	1152.7	1194.0	1255.8	1324.0	1390.6	1469.9	1534.9	1598.3	1642.7
45°	832.5	851.5	892.7	949.8	1018.0	1097.2	1181.3	1270.1	1347.8	1412.8	1462.0
47.5°	648.5	666.0	707.2	767.5	851.5	934.0	1021.1	1113.1	1194.0	1257.4	1300.2
50°	512.1	534.3	570.8	634.3	718.3	805.5	895.9	986.2	1062.4	1116.3	1154.4
52.5°	402.8	423.4	458.2	524.9	610.5	697.7	781.7	870.5	937.1	989.4	1014.8
55°	312.4	331.4	367.8	423.4	504.2	589.9	673.9	750.0	811.8	849.9	873.7
57.5°	237.8	252.1	277.5	333.0	406.0	485.2	556.6	632.7	680.3	707.2	723.0
60°	180.8	191.9	218.8	261.7	328.2	396.4	456.7	513.8	551.8	574.0	589.9
62.5°	136.3	149.1	168.1	204.5	255.3	310.8	361.5	404.3	436.0	450.3	461.4
65°	93.5	103.1	117.3	145.9	188.7	228.3	268.0	299.7	320.3	336.2	342.5
67.5°	69.8	76.1	84.1	106.3	136.3	168.1	195.0	217.2	239.5	245.8	256.9
70°	52.3	57.1	65.0	80.9	98.3	120.5	142.7	155.4	171.3	182.4	185.6
72.5°	33.3	34.9	42.8	52.3	66.6	80.9	95.2	106.3	115.8	122.1	125.2
75°	19.1	28.5	28.5	38.0	47.6	53.9	63.4	71.3	76.1	80.9	80.9
77.5°	12.7	17.4	19.1	23.8	28.5	36.5	44.4	49.1	53.9	55.5	55.5
80°	11.1	12.7	12.7	17.4	20.6	27.0	31.7	33.3	36.5	38.0	41.2
82.5°	4.8	6.3	7.9	12.7	14.3	14.3	19.1	20.6	23.8	25.4	25.4
85°	1.6	3.2	3.2	4.8	7.9	9.5	11.1	12.7	14.3	14.3	15.9
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: P244541

CATALOG NUMBER: LD8B50D010 ER8B50840 8LBSW0H

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	3247.4	3247.4	3247.4	3247.4	3247.4	3247.4	3247.4
2.5°	3218.8	3220.4	3214.1	3212.5	3209.3	3210.9	3214.1
5°	3160.2	3161.7	3155.4	3149.1	3149.1	3147.4	3149.1
7.5°	3104.6	3106.3	3096.7	3093.5	3087.2	3088.8	3088.8
10°	3049.2	3049.2	3034.9	3033.3	3028.5	3027.0	3027.0
12.5°	2995.2	2990.5	2979.4	2973.1	2976.3	2966.7	2966.7
15°	2947.7	2939.8	2925.5	2920.7	2912.8	2909.6	2909.6
17.5°	2898.5	2892.2	2879.5	2870.0	2860.5	2858.9	2860.5
20°	2850.9	2844.6	2828.8	2822.4	2814.5	2814.5	2811.3
22.5°	2803.4	2797.0	2782.8	2778.0	2766.9	2766.9	2768.5
25°	2754.2	2749.5	2733.6	2730.5	2728.9	2722.5	2725.7
27.5°	2687.6	2684.4	2671.8	2667.0	2660.7	2659.1	2662.3
30°	2565.5	2560.8	2551.3	2546.5	2535.4	2537.0	2540.1
32.5°	2413.3	2407.0	2394.3	2389.5	2380.0	2376.9	2378.4
35°	2223.1	2218.3	2207.2	2207.2	2197.7	2194.5	2197.7
37.5°	2029.6	2034.3	2029.6	2034.3	2029.6	2028.0	2029.6
40°	1847.3	1864.7	1867.8	1885.3	1879.0	1888.5	1886.9
42.5°	1672.8	1701.3	1712.5	1726.7	1723.6	1729.9	1734.7
45°	1496.8	1520.6	1531.7	1541.3	1542.8	1546.0	1547.6
47.5°	1330.3	1349.4	1350.9	1362.0	1360.5	1360.5	1365.2
50°	1175.0	1187.6	1190.8	1198.7	1192.4	1189.2	1190.8
52.5°	1030.7	1043.3	1040.1	1043.3	1035.4	1032.2	1033.8
55°	883.2	889.5	889.5	889.5	880.0	880.0	880.0
57.5°	732.5	734.2	731.0	732.5	731.0	721.4	719.9
60°	594.6	594.6	593.0	594.6	589.9	585.1	585.1
62.5°	464.6	467.8	474.1	467.8	464.6	467.8	463.0
65°	347.3	353.6	352.0	355.2	353.6	353.6	350.4
67.5°	261.7	263.2	264.8	266.4	266.4	266.4	266.4
70°	191.9	196.6	195.0	195.0	195.0	195.0	204.5
72.5°	128.4	134.8	133.2	136.3	136.3	139.5	136.3
75°	87.2	93.5	90.4	95.2	93.5	90.4	98.3
77.5°	58.7	61.9	63.4	65.0	63.4	61.9	63.4
80°	41.2	44.4	42.8	44.4	44.4	44.4	46.0
82.5°	25.4	30.2	28.5	30.2	28.5	30.2	30.2
85°	17.4	19.1	15.9	19.1	17.4	17.4	20.6
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)