

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: P245987

Luminaire Tested: **LD8B50D010 ER8B50850 8LBSW0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245987
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 ER8B50850 8LBSW0MW
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 5000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5518.0 lumens
Efficiency: N/A
Efficacy: 104.1 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

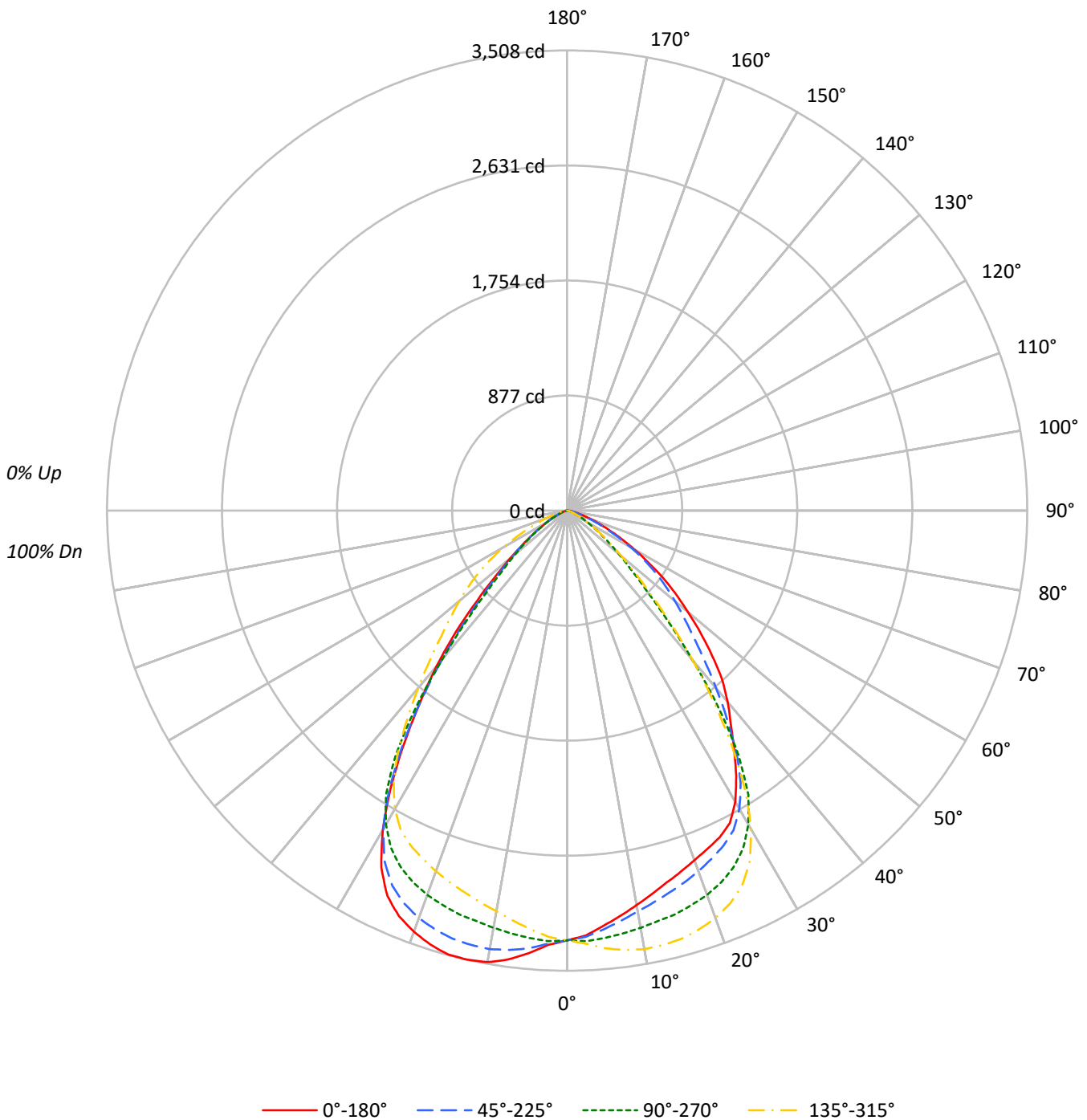
Input Watts (W): 53
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	101017	101017	101017	101017
5°	98332	101254	104869	101254
10°	95611	101119	109435	101119
15°	93700	101720	111830	101720
20°	93064	102302	112117	102302
25°	93553	102096	110316	102096
30°	91239	98360	100126	98360
35°	83457	85802	81409	85802
40°	76623	59685	62329	59685
45°	68083	36414	42131	36414
50°	57625	24322	27013	24322
55°	47729	16596	17542	16596
60°	36399	11046	11144	11046
65°	25793	6881	6304	6881
70°	18600	4616	4183	4616
75°	11819	2288	1906	2288
80°	8240	1705	1421	1705
85°	7359	0	566	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	311.8	5.7
10°-20°	902.9	16.4
20°-30°	1367.2	24.8
30°-40°	1370.3	24.8
40°-50°	860.5	15.6
50°-60°	458.5	8.3
60°-70°	188.6	3.4
70°-80°	49.8	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°	2581.9	46.8
0°-40°	3952.2	71.6
0°-60°	5271.2	95.5
0°-90°	5518.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5518.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3276	3276	3276	3276	3276	
5°	3177	3271	3388	3271	3177	300
15°	2935	3186	3503	3186	2935	830
25°	2750	3001	3242	3001	2750	1261
35°	2217	2279	2163	2279	2217	1389
45°	1561	835	966	835	1561	1201
55°	888	309	326	309	888	791
65°	354	94	86	94	354	367
75°	99	19	16	19	99	112
85°	21	0	2	0	21	23
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°	3275.9	3275.9	3275.9	3275.9	3275.9	3275.9	3275.9	3275.9	3275.9	3275.9	3275.9
2.5°	3242.3	3239.1	3237.5	3240.7	3242.3	3248.7	3247.1	3250.3	3250.3	3251.9	3255.1
5°	3176.7	3175.1	3176.7	3176.7	3183.1	3189.5	3187.9	3192.7	3195.9	3203.9	3207.1
7.5°	3115.9	3115.9	3114.3	3120.7	3123.9	3133.5	3131.9	3139.9	3144.7	3152.7	3163.9
10°	3053.5	3053.5	3055.1	3059.9	3061.6	3075.9	3075.9	3087.1	3093.5	3101.5	3115.9
12.5°	2992.8	2992.8	3002.4	2999.1	3005.5	3016.7	3021.5	3032.7	3042.3	3058.3	3072.7
15°	2935.1	2935.1	2938.4	2946.3	2951.1	2965.6	2973.5	2986.4	2997.6	3013.6	3034.4
17.5°	2885.6	2884.0	2885.6	2895.2	2904.8	2917.6	2924.0	2940.0	2951.1	2972.0	2991.2
20°	2836.0	2839.2	2839.2	2847.2	2853.6	2869.6	2876.0	2893.6	2906.4	2925.5	2948.0
22.5°	2792.8	2791.2	2791.2	2802.4	2807.2	2821.6	2828.0	2844.0	2858.4	2874.4	2895.2
25°	2749.6	2746.4	2752.8	2754.4	2757.6	2773.6	2778.4	2789.6	2804.0	2818.4	2839.2
27.5°	2685.6	2682.5	2684.0	2690.4	2695.2	2708.0	2711.2	2722.4	2733.6	2746.4	2764.0
30°	2562.4	2559.3	2557.7	2568.9	2573.7	2583.2	2588.0	2607.3	2610.4	2624.9	2637.6
32.5°	2399.3	2397.7	2400.9	2410.5	2415.3	2428.1	2434.5	2445.7	2453.7	2461.7	2474.5
35°	2217.0	2213.8	2217.0	2226.6	2226.6	2237.8	2242.6	2247.3	2245.8	2247.3	2244.2
37.5°	2047.4	2045.8	2047.4	2052.2	2047.4	2052.2	2047.4	2037.8	2020.3	2001.0	1981.8
40°	1903.5	1905.0	1895.5	1901.9	1884.2	1881.1	1863.5	1839.5	1804.3	1765.9	1711.5
42.5°	1749.9	1745.1	1738.7	1741.9	1727.5	1716.3	1687.5	1657.2	1612.3	1548.4	1482.7
45°	1561.2	1559.6	1556.4	1554.8	1545.2	1534.0	1509.9	1474.8	1425.2	1359.6	1281.2
47.5°	1377.2	1372.4	1372.4	1374.0	1362.8	1361.2	1342.0	1311.6	1268.4	1204.5	1122.9
50°	1201.2	1199.6	1202.9	1209.3	1201.2	1198.1	1185.3	1164.5	1126.1	1071.7	994.9
52.5°	1042.9	1041.3	1044.5	1052.5	1049.3	1052.5	1039.7	1023.7	998.1	945.3	878.2
55°	887.8	887.8	887.8	897.3	897.3	897.3	890.9	881.4	857.3	819.0	756.6
57.5°	726.2	727.8	737.4	739.0	737.4	740.6	739.0	729.4	713.4	686.2	638.2
60°	590.2	590.2	595.0	599.9	598.2	599.9	599.9	595.0	579.0	556.7	518.3
62.5°	467.1	471.9	468.6	471.9	478.3	471.9	468.6	465.5	454.3	439.9	407.9
65°	353.5	356.7	356.7	358.3	355.1	356.7	350.3	345.5	339.1	323.1	302.3
67.5°	268.8	268.8	268.8	268.8	267.1	265.5	263.9	259.1	247.9	241.6	219.1
70°	206.3	196.7	196.7	196.7	196.7	198.4	193.6	187.2	184.0	172.8	156.8
72.5°	137.5	140.8	137.5	137.5	134.4	136.0	129.6	126.3	123.2	116.8	107.2
75°	99.2	91.2	94.3	96.0	91.2	94.3	88.0	81.6	81.6	76.8	72.0
77.5°	64.0	62.4	64.0	65.6	64.0	62.4	59.2	56.0	56.0	54.4	49.6
80°	46.4	44.8	44.8	44.8	43.2	44.8	41.6	41.6	38.4	36.8	33.6
82.5°	30.4	30.4	28.8	30.4	28.8	30.4	25.6	25.6	25.6	24.0	20.8
85°	20.8	17.6	17.6	19.2	16.0	19.2	17.6	16.0	14.4	14.4	12.8
87.5°	9.6	11.2	9.6	11.2	9.6	9.6	11.2	9.6	9.6	6.4	6.4
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	3275.9	3275.9	3275.9	3275.9	3275.9	3275.9	3275.9	3275.9	3275.9	3275.9	3275.9
2.5°	3259.9	3261.4	3261.4	3267.9	3271.1	3272.6	3272.6	3285.5	3280.7	3283.9	3287.1
5°	3213.5	3223.1	3226.3	3226.3	3243.9	3250.3	3256.6	3271.1	3272.6	3282.2	3293.4
7.5°	3168.7	3179.9	3186.3	3200.7	3211.9	3223.1	3242.3	3251.9	3261.4	3274.3	3288.6
10°	3125.5	3138.3	3151.1	3162.3	3179.9	3194.3	3207.1	3229.4	3240.7	3258.3	3277.4
12.5°	3083.9	3101.5	3112.7	3131.9	3151.1	3163.9	3183.1	3203.9	3221.5	3239.1	3261.4
15°	3047.1	3067.9	3080.7	3101.5	3122.3	3139.9	3160.7	3186.3	3199.1	3219.9	3240.7
17.5°	3007.1	3029.6	3045.6	3064.7	3090.3	3109.5	3127.1	3152.7	3168.7	3191.1	3215.1
20°	2965.6	2987.9	3007.1	3026.3	3051.9	3071.1	3091.9	3117.5	3135.1	3157.5	3176.7
22.5°	2916.0	2936.8	2957.5	2979.9	3005.5	3021.5	3045.6	3067.9	3087.1	3107.9	3127.1
25°	2852.0	2877.6	2893.6	2914.3	2935.1	2952.7	2978.3	3000.7	3016.7	3035.9	3053.5
27.5°	2776.8	2796.0	2808.8	2826.4	2847.2	2863.2	2882.3	2904.8	2920.8	2938.4	2951.1
30°	2648.8	2666.5	2677.7	2690.4	2711.2	2725.6	2741.6	2762.4	2773.6	2786.4	2797.6
32.5°	2480.9	2495.3	2501.7	2511.3	2525.7	2540.1	2552.9	2570.5	2575.3	2583.2	2583.2
35°	2237.8	2240.9	2239.4	2242.6	2249.0	2256.9	2268.1	2279.3	2285.7	2285.7	2281.0
37.5°	1953.0	1933.9	1913.1	1897.1	1892.3	1889.0	1895.5	1900.2	1906.7	1909.8	1901.9
40°	1657.2	1614.0	1567.5	1525.9	1497.2	1484.4	1479.6	1482.7	1482.7	1493.9	1493.9
42.5°	1402.8	1335.6	1266.9	1204.5	1162.8	1130.9	1116.5	1116.5	1118.1	1126.1	1130.9
45°	1191.7	1106.9	1026.9	958.1	900.5	858.9	839.8	835.0	833.4	836.5	847.7
47.5°	1030.1	942.1	858.9	774.2	713.4	671.8	654.2	647.8	641.4	647.8	649.4
50°	903.8	812.6	724.6	639.8	575.8	539.0	516.6	507.0	505.4	505.4	508.7
52.5°	788.5	703.8	615.9	529.5	462.3	427.1	406.3	401.5	395.1	401.5	401.5
55°	679.8	595.0	508.7	427.1	371.1	334.3	315.1	308.7	305.5	310.3	310.3
57.5°	561.5	489.4	409.5	335.9	279.9	254.3	239.9	231.9	230.3	233.5	230.3
60°	460.7	399.9	331.1	263.9	220.8	193.6	182.4	179.1	175.9	179.1	179.1
62.5°	364.7	313.5	257.5	206.3	169.5	150.4	137.5	137.5	136.0	136.0	137.5
65°	270.3	230.3	190.3	147.1	118.4	104.0	94.3	94.3	92.8	94.3	92.8
67.5°	196.7	169.5	137.5	107.2	84.8	76.8	70.4	65.6	68.8	65.6	64.0
70°	144.0	121.5	99.2	81.6	65.6	57.6	52.8	51.2	48.0	48.0	48.0
72.5°	96.0	81.6	67.2	52.8	43.2	35.2	33.6	30.4	27.2	28.8	32.0
75°	64.0	54.4	48.0	38.4	28.8	28.8	19.2	19.2	16.0	19.2	14.4
77.5°	44.8	36.8	28.8	24.0	19.2	17.6	12.8	12.8	11.2	11.2	11.2
80°	32.0	27.2	20.8	17.6	12.8	12.8	11.2	9.6	8.0	8.0	9.6
82.5°	19.2	14.4	14.4	12.8	8.0	6.4	4.8	6.4	3.2	3.2	3.2
85°	11.2	9.6	8.0	4.8	3.2	3.2	1.6	0.0	1.6	1.6	0.0
87.5°	6.4	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



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	3275.9	3275.9	3275.9	3275.9	3275.9	3275.9	3275.9	3275.9	3275.9	3275.9	3275.9
2.5°	3295.1	3293.4	3296.7	3296.7	3306.3	3304.6	3309.4	3309.4	3306.3	3307.9	3314.2
5°	3306.3	3311.1	3320.6	3328.7	3343.0	3349.5	3357.4	3365.5	3367.0	3371.9	3376.7
7.5°	3306.3	3322.3	3333.5	3347.8	3367.0	3378.2	3395.8	3410.2	3416.6	3424.6	3434.2
10°	3299.8	3315.8	3336.6	3352.6	3376.7	3394.2	3411.8	3434.2	3443.8	3456.6	3469.4
12.5°	3287.1	3304.6	3327.0	3347.8	3375.0	3391.0	3413.4	3434.2	3448.6	3466.2	3480.6
15°	3267.9	3288.6	3309.4	3330.2	3359.0	3378.2	3399.0	3423.0	3437.4	3456.6	3469.4
17.5°	3237.5	3259.9	3279.1	3298.2	3325.4	3347.8	3367.0	3389.4	3403.9	3419.9	3437.4
20°	3200.7	3221.5	3242.3	3258.3	3285.5	3304.6	3325.4	3346.2	3357.4	3360.7	3387.9
22.5°	3154.3	3168.7	3184.7	3210.3	3226.3	3243.9	3263.1	3282.2	3293.4	3311.1	3320.6
25°	3077.5	3091.9	3109.5	3120.7	3139.9	3154.3	3173.5	3194.3	3200.7	3213.5	3223.1
27.5°	2970.4	2978.3	2986.4	2995.9	3007.1	3015.1	3026.3	3035.9	3042.3	3048.7	3055.1
30°	2800.8	2800.8	2800.8	2794.4	2799.2	2804.0	2805.6	2804.0	2804.0	2802.4	2802.4
32.5°	2576.9	2564.1	2549.7	2536.9	2532.1	2525.7	2522.5	2517.7	2509.7	2504.9	2506.5
35°	2274.5	2245.8	2228.2	2212.2	2199.4	2189.8	2185.0	2180.2	2178.6	2172.2	2165.8
37.5°	1897.1	1876.3	1863.5	1853.9	1842.7	1833.1	1834.7	1836.3	1841.0	1837.9	1839.5
40°	1497.2	1492.4	1497.2	1486.0	1482.7	1486.0	1493.9	1505.2	1511.6	1518.0	1529.2
42.5°	1138.9	1146.8	1158.1	1158.1	1162.8	1169.3	1178.8	1196.5	1206.0	1217.2	1230.1
45°	857.3	867.0	881.4	886.1	889.3	897.3	908.6	922.9	929.3	938.9	950.1
47.5°	660.6	667.0	675.0	683.0	691.0	694.2	705.4	705.4	713.4	719.8	723.0
50°	515.1	521.4	527.8	532.6	535.9	540.7	543.8	548.6	550.2	553.4	555.0
52.5°	403.1	411.1	411.1	414.3	419.1	423.9	422.3	423.9	425.4	425.4	430.3
55°	315.1	315.1	319.9	319.9	323.1	321.5	323.1	323.1	323.1	323.1	324.7
57.5°	235.1	236.8	241.6	238.3	236.8	239.9	236.8	239.9	238.3	241.6	236.8
60°	180.7	180.7	182.4	182.4	184.0	184.0	184.0	182.4	182.4	180.7	180.7
62.5°	136.0	137.5	139.2	137.5	137.5	137.5	136.0	136.0	134.4	132.7	132.7
65°	91.2	89.6	92.8	89.6	91.2	91.2	89.6	91.2	86.4	88.0	86.4
67.5°	65.6	64.0	62.4	64.0	62.4	60.8	60.8	62.4	64.0	59.2	59.2
70°	43.2	44.8	43.2	44.8	46.4	46.4	44.8	43.2	44.8	41.6	43.2
72.5°	27.2	27.2	27.2	27.2	27.2	28.8	28.8	28.8	25.6	25.6	24.0
75°	12.8	17.6	14.4	12.8	17.6	17.6	16.0	16.0	14.4	14.4	14.4
77.5°	12.8	9.6	9.6	9.6	9.6	9.6	9.6	9.6	8.0	9.6	8.0
80°	6.4	6.4	6.4	4.8	6.4	6.4	8.0	6.4	6.4	4.8	8.0
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: P245987

CATALOG NUMBER: LD8B50D010 ER8B50850 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3275.9	3275.9	3275.9	3275.9	3275.9	3275.9	3275.9	3275.9	3275.9	3275.9	3275.9
2.5°	3312.7	3311.1	3312.7	3314.2	3312.7	3311.1	3312.7	3314.2	3307.9	3306.3	3309.4
5°	3383.0	3383.0	3386.2	3387.9	3386.2	3383.0	3383.0	3376.7	3371.9	3367.0	3365.5
7.5°	3443.8	3447.0	3450.2	3451.8	3450.2	3447.0	3443.8	3434.2	3424.6	3416.6	3410.2
10°	3480.6	3485.4	3491.8	3495.0	3491.8	3485.4	3480.6	3469.4	3456.6	3443.8	3434.2
12.5°	3496.6	3501.4	3509.4	3507.8	3509.4	3501.4	3496.6	3480.6	3466.2	3448.6	3434.2
15°	3485.4	3491.8	3499.8	3503.0	3499.8	3491.8	3485.4	3469.4	3456.6	3437.4	3423.0
17.5°	3450.2	3459.8	3464.6	3469.4	3464.6	3459.8	3450.2	3437.4	3419.9	3403.9	3389.4
20°	3402.2	3408.7	3415.0	3416.6	3415.0	3408.7	3402.2	3387.9	3360.7	3357.4	3346.2
22.5°	3333.5	3338.3	3352.6	3347.8	3352.6	3338.3	3333.5	3320.6	3311.1	3293.4	3282.2
25°	3234.3	3239.1	3240.7	3242.3	3240.7	3239.1	3234.3	3223.1	3213.5	3200.7	3194.3
27.5°	3063.1	3063.1	3066.3	3067.9	3066.3	3063.1	3063.1	3055.1	3048.7	3042.3	3035.9
30°	2804.0	2804.0	2804.0	2812.0	2804.0	2804.0	2804.0	2802.4	2802.4	2804.0	2804.0
32.5°	2504.9	2501.7	2498.5	2501.7	2498.5	2501.7	2504.9	2506.5	2504.9	2509.7	2517.7
35°	2165.8	2164.2	2169.0	2162.6	2169.0	2164.2	2165.8	2165.8	2172.2	2178.6	2180.2
37.5°	1841.0	1837.9	1844.3	1837.9	1844.3	1837.9	1841.0	1839.5	1837.9	1841.0	1836.3
40°	1532.4	1535.6	1535.6	1548.4	1535.6	1535.6	1532.4	1529.2	1518.0	1511.6	1505.2
42.5°	1236.4	1246.1	1242.8	1252.4	1242.8	1246.1	1236.4	1230.1	1217.2	1206.0	1196.5
45°	956.5	963.0	963.0	966.1	963.0	963.0	956.5	950.1	938.9	929.3	922.9
47.5°	734.2	734.2	734.2	735.8	734.2	734.2	734.2	723.0	719.8	713.4	705.4
50°	558.2	559.8	561.5	563.1	561.5	559.8	558.2	555.0	553.4	550.2	548.6
52.5°	428.7	430.3	427.1	430.3	427.1	430.3	428.7	430.3	425.4	425.4	423.9
55°	324.7	323.1	324.7	326.3	324.7	323.1	324.7	324.7	323.1	323.1	323.1
57.5°	238.3	235.1	235.1	235.1	235.1	235.1	238.3	236.8	241.6	238.3	239.9
60°	177.6	179.1	179.1	180.7	179.1	179.1	177.6	180.7	180.7	182.4	182.4
62.5°	131.2	136.0	132.7	136.0	132.7	136.0	131.2	132.7	132.7	134.4	136.0
65°	84.8	84.8	84.8	86.4	84.8	84.8	84.8	86.4	88.0	86.4	91.2
67.5°	57.6	59.2	62.4	60.8	62.4	59.2	57.6	59.2	59.2	64.0	62.4
70°	46.4	41.6	41.6	46.4	41.6	41.6	46.4	43.2	41.6	44.8	43.2
72.5°	27.2	24.0	27.2	27.2	27.2	24.0	27.2	24.0	25.6	25.6	28.8
75°	14.4	12.8	11.2	16.0	11.2	12.8	14.4	14.4	14.4	14.4	16.0
77.5°	9.6	8.0	11.2	11.2	11.2	8.0	9.6	8.0	9.6	8.0	9.6
80°	4.8	6.4	4.8	8.0	4.8	6.4	4.8	8.0	4.8	6.4	6.4
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: P245987

CATALOG NUMBER: LD8B50D010 ER8B50850 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3275.9	3275.9	3275.9	3275.9	3275.9	3275.9	3275.9	3275.9	3275.9	3275.9	3275.9
2.5°	3309.4	3304.6	3306.3	3296.7	3296.7	3293.4	3295.1	3287.1	3283.9	3280.7	3285.5
5°	3357.4	3349.5	3343.0	3328.7	3320.6	3311.1	3306.3	3293.4	3282.2	3272.6	3271.1
7.5°	3395.8	3378.2	3367.0	3347.8	3333.5	3322.3	3306.3	3288.6	3274.3	3261.4	3251.9
10°	3411.8	3394.2	3376.7	3352.6	3336.6	3315.8	3299.8	3277.4	3258.3	3240.7	3229.4
12.5°	3413.4	3391.0	3375.0	3347.8	3327.0	3304.6	3287.1	3261.4	3239.1	3221.5	3203.9
15°	3399.0	3378.2	3359.0	3330.2	3309.4	3288.6	3267.9	3240.7	3219.9	3199.1	3186.3
17.5°	3367.0	3347.8	3325.4	3298.2	3279.1	3259.9	3237.5	3215.1	3191.1	3168.7	3152.7
20°	3325.4	3304.6	3285.5	3258.3	3242.3	3221.5	3200.7	3176.7	3157.5	3135.1	3117.5
22.5°	3263.1	3243.9	3226.3	3210.3	3184.7	3168.7	3154.3	3127.1	3107.9	3087.1	3067.9
25°	3173.5	3154.3	3139.9	3120.7	3109.5	3091.9	3077.5	3053.5	3035.9	3016.7	3000.7
27.5°	3026.3	3015.1	3007.1	2995.9	2986.4	2978.3	2970.4	2951.1	2938.4	2920.8	2904.8
30°	2805.6	2804.0	2799.2	2794.4	2800.8	2800.8	2800.8	2797.6	2786.4	2773.6	2762.4
32.5°	2522.5	2525.7	2532.1	2536.9	2549.7	2564.1	2576.9	2583.2	2583.2	2575.3	2570.5
35°	2185.0	2189.8	2199.4	2212.2	2228.2	2245.8	2274.5	2281.0	2285.7	2285.7	2279.3
37.5°	1834.7	1833.1	1842.7	1853.9	1863.5	1876.3	1897.1	1901.9	1909.8	1906.7	1900.2
40°	1493.9	1486.0	1482.7	1486.0	1497.2	1492.4	1497.2	1493.9	1493.9	1482.7	1482.7
42.5°	1178.8	1169.3	1162.8	1158.1	1158.1	1146.8	1138.9	1130.9	1126.1	1118.1	1116.5
45°	908.6	897.3	889.3	886.1	881.4	867.0	857.3	847.7	836.5	833.4	835.0
47.5°	705.4	694.2	691.0	683.0	675.0	667.0	660.6	649.4	647.8	641.4	647.8
50°	543.8	540.7	535.9	532.6	527.8	521.4	515.1	508.7	505.4	505.4	507.0
52.5°	422.3	423.9	419.1	414.3	411.1	411.1	403.1	401.5	401.5	395.1	401.5
55°	323.1	321.5	323.1	319.9	319.9	315.1	315.1	310.3	310.3	305.5	308.7
57.5°	236.8	239.9	236.8	238.3	241.6	236.8	235.1	230.3	233.5	230.3	231.9
60°	184.0	184.0	184.0	182.4	182.4	180.7	180.7	179.1	179.1	175.9	179.1
62.5°	136.0	137.5	137.5	137.5	139.2	137.5	136.0	137.5	136.0	136.0	137.5
65°	89.6	91.2	91.2	89.6	92.8	89.6	91.2	92.8	94.3	92.8	94.3
67.5°	60.8	60.8	62.4	64.0	62.4	64.0	65.6	64.0	65.6	68.8	65.6
70°	44.8	46.4	46.4	44.8	43.2	44.8	43.2	48.0	48.0	48.0	51.2
72.5°	28.8	28.8	27.2	27.2	27.2	27.2	27.2	32.0	28.8	27.2	30.4
75°	16.0	17.6	17.6	12.8	14.4	17.6	12.8	14.4	19.2	16.0	19.2
77.5°	9.6	9.6	9.6	9.6	9.6	9.6	12.8	11.2	11.2	11.2	12.8
80°	8.0	6.4	6.4	4.8	6.4	6.4	6.4	9.6	8.0	8.0	9.6
82.5°	3.2	3.2	1.6	0.0	3.2	3.2	3.2	3.2	3.2	3.2	6.4
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: P245987

CATALOG NUMBER: LD8B50D010 ER8B50850 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3275.9	3275.9	3275.9	3275.9	3275.9	3275.9	3275.9	3275.9	3275.9	3275.9	3275.9
2.5°	3272.6	3272.6	3271.1	3267.9	3261.4	3261.4	3259.9	3255.1	3251.9	3250.3	3250.3
5°	3256.6	3250.3	3243.9	3226.3	3226.3	3223.1	3213.5	3207.1	3203.9	3195.9	3192.7
7.5°	3242.3	3223.1	3211.9	3200.7	3186.3	3179.9	3168.7	3163.9	3152.7	3144.7	3139.9
10°	3207.1	3194.3	3179.9	3162.3	3151.1	3138.3	3125.5	3115.9	3101.5	3093.5	3087.1
12.5°	3183.1	3163.9	3151.1	3131.9	3112.7	3101.5	3083.9	3072.7	3058.3	3042.3	3032.7
15°	3160.7	3139.9	3122.3	3101.5	3080.7	3067.9	3047.1	3034.4	3013.6	2997.6	2986.4
17.5°	3127.1	3109.5	3090.3	3064.7	3045.6	3029.6	3007.1	2991.2	2972.0	2951.1	2940.0
20°	3091.9	3071.1	3051.9	3026.3	3007.1	2987.9	2965.6	2948.0	2925.5	2906.4	2893.6
22.5°	3045.6	3021.5	3005.5	2979.9	2957.5	2936.8	2916.0	2895.2	2874.4	2858.4	2844.0
25°	2978.3	2952.7	2935.1	2914.3	2893.6	2877.6	2852.0	2839.2	2818.4	2804.0	2789.6
27.5°	2882.3	2863.2	2847.2	2826.4	2808.8	2796.0	2776.8	2764.0	2746.4	2733.6	2722.4
30°	2741.6	2725.6	2711.2	2690.4	2677.7	2666.5	2648.8	2637.6	2624.9	2610.4	2607.3
32.5°	2552.9	2540.1	2525.7	2511.3	2501.7	2495.3	2480.9	2474.5	2461.7	2453.7	2445.7
35°	2268.1	2256.9	2249.0	2242.6	2239.4	2240.9	2237.8	2244.2	2247.3	2245.8	2247.3
37.5°	1895.5	1889.0	1892.3	1897.1	1913.1	1933.9	1953.0	1981.8	2001.0	2020.3	2037.8
40°	1479.6	1484.4	1497.2	1525.9	1567.5	1614.0	1657.2	1711.5	1765.9	1804.3	1839.5
42.5°	1116.5	1130.9	1162.8	1204.5	1266.9	1335.6	1402.8	1482.7	1548.4	1612.3	1657.2
45°	839.8	858.9	900.5	958.1	1026.9	1106.9	1191.7	1281.2	1359.6	1425.2	1474.8
47.5°	654.2	671.8	713.4	774.2	858.9	942.1	1030.1	1122.9	1204.5	1268.4	1311.6
50°	516.6	539.0	575.8	639.8	724.6	812.6	903.8	994.9	1071.7	1126.1	1164.5
52.5°	406.3	427.1	462.3	529.5	615.9	703.8	788.5	878.2	945.3	998.1	1023.7
55°	315.1	334.3	371.1	427.1	508.7	595.0	679.8	756.6	819.0	857.3	881.4
57.5°	239.9	254.3	279.9	335.9	409.5	489.4	561.5	638.2	686.2	713.4	729.4
60°	182.4	193.6	220.8	263.9	331.1	399.9	460.7	518.3	556.7	579.0	595.0
62.5°	137.5	150.4	169.5	206.3	257.5	313.5	364.7	407.9	439.9	454.3	465.5
65°	94.3	104.0	118.4	147.1	190.3	230.3	270.3	302.3	323.1	339.1	345.5
67.5°	70.4	76.8	84.8	107.2	137.5	169.5	196.7	219.1	241.6	247.9	259.1
70°	52.8	57.6	65.6	81.6	99.2	121.5	144.0	156.8	172.8	184.0	187.2
72.5°	33.6	35.2	43.2	52.8	67.2	81.6	96.0	107.2	116.8	123.2	126.3
75°	19.2	28.8	28.8	38.4	48.0	54.4	64.0	72.0	76.8	81.6	81.6
77.5°	12.8	17.6	19.2	24.0	28.8	36.8	44.8	49.6	54.4	56.0	56.0
80°	11.2	12.8	12.8	17.6	20.8	27.2	32.0	33.6	36.8	38.4	41.6
82.5°	4.8	6.4	8.0	12.8	14.4	14.4	19.2	20.8	24.0	25.6	25.6
85°	1.6	3.2	3.2	4.8	8.0	9.6	11.2	12.8	14.4	14.4	16.0
87.5°	1.6	1.6	0.0	1.6	3.2	3.2	6.4	6.4	6.4	9.6	9.6
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: P245987

CATALOG NUMBER: LD8B50D010 ER8B50850 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	3275.9	3275.9	3275.9	3275.9	3275.9	3275.9	3275.9
2.5°	3247.1	3248.7	3242.3	3240.7	3237.5	3239.1	3242.3
5°	3187.9	3189.5	3183.1	3176.7	3176.7	3175.1	3176.7
7.5°	3131.9	3133.5	3123.9	3120.7	3114.3	3115.9	3115.9
10°	3075.9	3075.9	3061.6	3059.9	3055.1	3053.5	3053.5
12.5°	3021.5	3016.7	3005.5	2999.1	3002.4	2992.8	2992.8
15°	2973.5	2965.6	2951.1	2946.3	2938.4	2935.1	2935.1
17.5°	2924.0	2917.6	2904.8	2895.2	2885.6	2884.0	2885.6
20°	2876.0	2869.6	2853.6	2847.2	2839.2	2839.2	2836.0
22.5°	2828.0	2821.6	2807.2	2802.4	2791.2	2791.2	2792.8
25°	2778.4	2773.6	2757.6	2754.4	2752.8	2746.4	2749.6
27.5°	2711.2	2708.0	2695.2	2690.4	2684.0	2682.5	2685.6
30°	2588.0	2583.2	2573.7	2568.9	2557.7	2559.3	2562.4
32.5°	2434.5	2428.1	2415.3	2410.5	2400.9	2397.7	2399.3
35°	2242.6	2237.8	2226.6	2226.6	2217.0	2213.8	2217.0
37.5°	2047.4	2052.2	2047.4	2052.2	2047.4	2045.8	2047.4
40°	1863.5	1881.1	1884.2	1901.9	1895.5	1905.0	1903.5
42.5°	1687.5	1716.3	1727.5	1741.9	1738.7	1745.1	1749.9
45°	1509.9	1534.0	1545.2	1554.8	1556.4	1559.6	1561.2
47.5°	1342.0	1361.2	1362.8	1374.0	1372.4	1372.4	1377.2
50°	1185.3	1198.1	1201.2	1209.3	1202.9	1199.6	1201.2
52.5°	1039.7	1052.5	1049.3	1052.5	1044.5	1041.3	1042.9
55°	890.9	897.3	897.3	897.3	887.8	887.8	887.8
57.5°	739.0	740.6	737.4	739.0	737.4	727.8	726.2
60°	599.9	599.9	598.2	599.9	595.0	590.2	590.2
62.5°	468.6	471.9	478.3	471.9	468.6	471.9	467.1
65°	350.3	356.7	355.1	358.3	356.7	356.7	353.5
67.5°	263.9	265.5	267.1	268.8	268.8	268.8	268.8
70°	193.6	198.4	196.7	196.7	196.7	196.7	206.3
72.5°	129.6	136.0	134.4	137.5	137.5	140.8	137.5
75°	88.0	94.3	91.2	96.0	94.3	91.2	99.2
77.5°	59.2	62.4	64.0	65.6	64.0	62.4	64.0
80°	41.6	44.8	43.2	44.8	44.8	44.8	46.4
82.5°	25.6	30.4	28.8	30.4	28.8	30.4	30.4
85°	17.6	19.2	16.0	19.2	17.6	17.6	20.8
87.5°	11.2	9.6	9.6	11.2	9.6	11.2	9.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)