

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: P249065

Luminaire Tested: **LD8B70D010 ER8B70927 8LBSW0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P249065
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: LD8B70D010 ER8B70927 8LBSW0MW
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
97 CRI 2700 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5835.4 lumens
Efficiency: N/A
Efficacy: 76.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.23 / 1.15
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

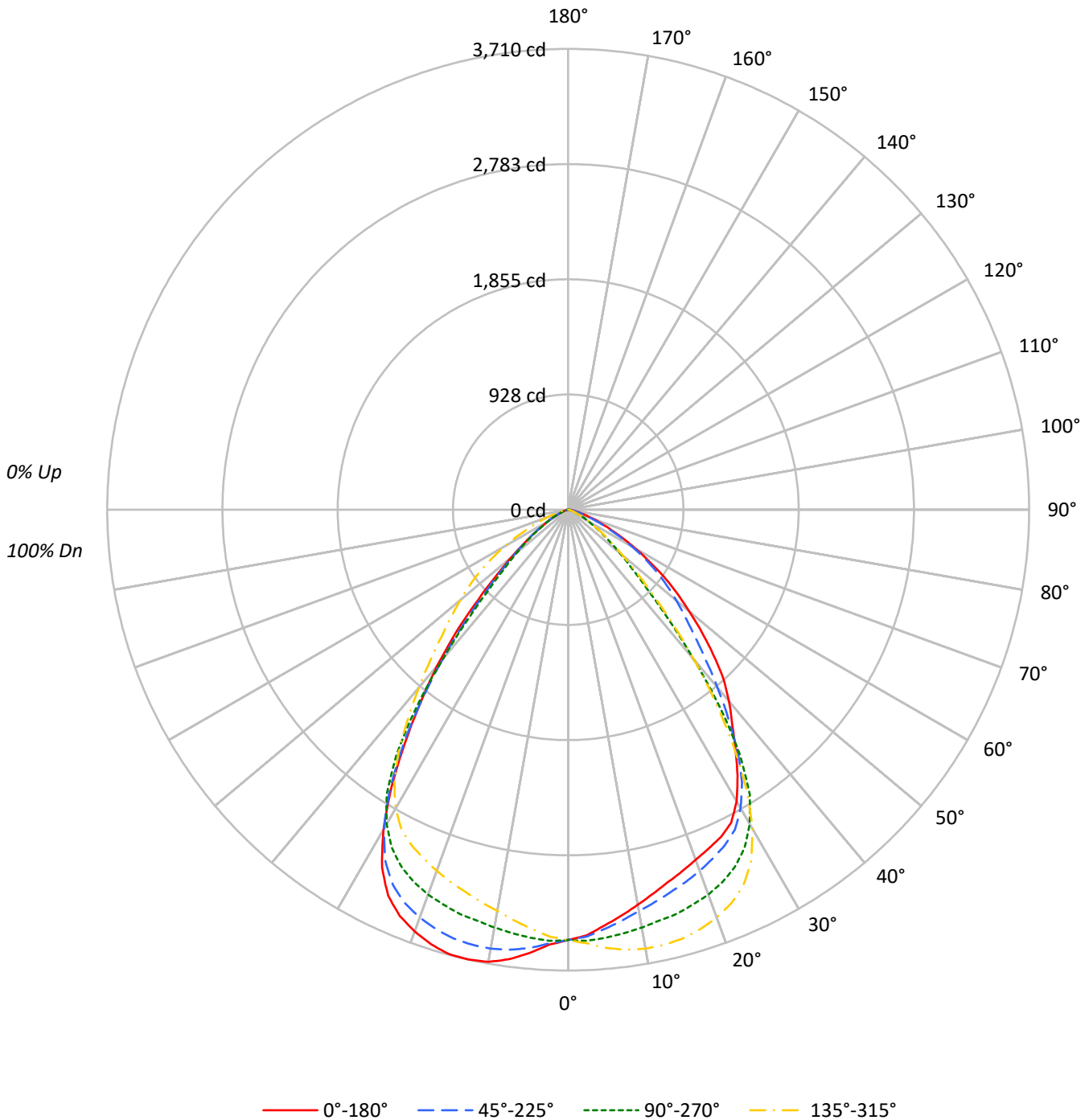
Input Watts (W): 75.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P249065

CATALOG NUMBER: LD8B70D010 ER8B70927 8LBSW0MW

Luminous Intensity Polar Plot





TEST NUMBER: P249065

CATALOG NUMBER: LD8B70D010 ER8B70927 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°	Luminaire represents a point source (luminous area is zero).			
5°	No luminance values can be calculated.			
10°				
15°				
20°				
25°				
30°				
35°				
40°				
45°				
50°				
55°				
60°				
65°				
70°				
75°				
80°				
85°				



TEST NUMBER: P249065

CATALOG NUMBER: LD8B70D010 ER8B70927 8LBSW0MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	329.7	5.7
10°-20°	954.8	16.4
20°-30°	1445.8	24.8
30°-40°	1449.1	24.8
40°-50°	910.0	15.6
50°-60°	484.9	8.3
60°-70°	199.4	3.4
70°-80°	52.7	0.9
80°-90°	8.9	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°	2730.4	46.8
0°-40°	4179.5	71.6
0°-60°	5574.4	95.5
0°-90°	5835.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5835.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3464	3464	3464	3464	3464	
5°	3360	3459	3583	3459	3360	317
15°	3104	3370	3704	3370	3104	878
25°	2908	3173	3429	3173	2908	1334
35°	2344	2410	2287	2410	2344	1469
45°	1651	883	1022	883	1651	1270
55°	939	326	345	326	939	837
65°	374	100	91	100	374	388
75°	105	20	17	20	105	119
85°	22	0	2	0	22	24
90°	0	0	0	0	0	



TEST NUMBER: P249065

CATALOG NUMBER: LD8B70D010 ER8B70927 8LBSW0MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	3464.3	3464.3	3464.3	3464.3	3464.3	3464.3	3464.3	3464.3	3464.3	3464.3	3464.3
2.5°	3428.8	3425.4	3423.7	3427.1	3428.8	3435.5	3433.8	3437.2	3437.2	3438.9	3442.3
5°	3359.5	3357.7	3359.5	3359.5	3366.2	3373.0	3371.3	3376.4	3379.7	3388.2	3391.5
7.5°	3295.1	3295.1	3293.4	3300.2	3303.6	3313.8	3312.0	3320.6	3325.6	3334.0	3345.9
10°	3229.2	3229.2	3230.8	3236.0	3237.6	3252.8	3252.8	3264.6	3271.4	3279.9	3295.1
12.5°	3164.8	3164.8	3175.1	3171.6	3178.4	3190.3	3195.3	3207.2	3217.3	3234.3	3249.5
15°	3104.0	3104.0	3107.4	3115.8	3120.9	3136.2	3144.6	3158.1	3170.0	3186.9	3208.8
17.5°	3051.6	3049.9	3051.6	3061.7	3071.9	3085.4	3092.2	3109.0	3120.9	3142.9	3163.2
20°	2999.1	3002.5	3002.5	3011.0	3017.7	3034.6	3041.3	3060.0	3073.5	3093.8	3117.5
22.5°	2953.5	2951.8	2951.8	2963.6	2968.6	2983.8	2990.6	3007.6	3022.8	3039.8	3061.7
25°	2907.8	2904.3	2911.2	2912.8	2916.2	2933.1	2938.2	2950.0	2965.3	2980.6	3002.5
27.5°	2840.1	2836.8	2838.4	2845.1	2850.3	2863.8	2867.2	2879.0	2890.8	2904.3	2923.0
30°	2709.8	2706.5	2704.8	2716.6	2721.7	2731.8	2736.9	2757.3	2760.5	2775.8	2789.3
32.5°	2537.3	2535.6	2539.0	2549.1	2554.2	2567.8	2574.6	2586.4	2594.8	2603.2	2616.8
35°	2344.5	2341.1	2344.5	2354.6	2354.6	2366.5	2371.6	2376.6	2374.9	2376.6	2373.3
37.5°	2165.2	2163.5	2165.2	2170.2	2165.2	2170.2	2165.2	2155.0	2136.5	2116.1	2095.8
40°	2013.0	2014.6	2004.5	2011.3	1992.6	1989.2	1970.7	1945.2	1908.1	1867.5	1810.0
42.5°	1850.6	1845.4	1838.7	1842.1	1826.9	1815.0	1784.6	1752.5	1705.0	1637.4	1568.0
45°	1650.9	1649.2	1645.9	1644.2	1634.1	1622.2	1596.8	1559.6	1507.2	1437.9	1355.0
47.5°	1456.4	1451.4	1451.4	1453.0	1441.1	1439.6	1419.2	1387.1	1341.4	1273.7	1187.4
50°	1270.4	1268.7	1272.0	1278.8	1270.4	1267.0	1253.5	1231.4	1190.9	1133.3	1052.1
52.5°	1102.8	1101.1	1104.6	1113.1	1109.6	1113.1	1099.6	1082.6	1055.5	999.7	928.7
55°	938.8	938.8	938.8	948.9	948.9	948.9	942.2	932.1	906.6	866.0	800.1
57.5°	767.9	769.6	779.8	781.4	779.8	783.2	781.4	771.3	754.4	725.7	675.0
60°	624.2	624.2	629.3	634.4	632.6	634.4	634.4	629.3	612.3	588.7	548.1
62.5°	493.9	499.0	495.6	499.0	505.8	499.0	495.6	492.3	480.4	465.2	431.3
65°	373.8	377.2	377.2	378.9	375.5	377.2	370.5	365.4	358.7	341.8	319.7
67.5°	284.2	284.2	284.2	284.2	282.5	280.8	279.1	274.0	262.2	255.5	231.8
70°	218.2	208.0	208.0	208.0	208.0	209.8	204.8	198.0	194.5	182.7	165.8
72.5°	145.5	148.8	145.5	145.5	142.1	143.8	137.0	133.6	130.3	123.5	113.4
75°	104.8	96.4	99.8	101.5	96.4	99.8	93.0	86.3	86.3	81.2	76.0
77.5°	67.7	66.0	67.7	69.3	67.7	66.0	62.6	59.2	59.2	57.5	52.4
80°	49.1	47.4	47.4	47.4	45.7	47.4	44.0	44.0	40.6	38.9	35.6
82.5°	32.2	32.2	30.4	32.2	30.4	32.2	27.1	27.1	27.1	25.3	22.0
85°	22.0	18.6	18.6	20.4	16.9	20.4	18.6	16.9	15.3	15.3	13.5
87.5°	10.1	11.8	10.1	11.8	10.1	10.1	11.8	10.1	10.1	6.8	6.8
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: P249065

CATALOG NUMBER: LD8B70D010 ER8B70927 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	3464.3	3464.3	3464.3	3464.3	3464.3	3464.3	3464.3	3464.3	3464.3	3464.3	3464.3
2.5°	3447.3	3449.0	3449.0	3455.9	3459.2	3460.8	3460.8	3474.4	3469.4	3472.8	3476.1
5°	3398.3	3408.4	3411.9	3411.9	3430.5	3437.2	3444.0	3459.2	3460.8	3471.1	3482.9
7.5°	3350.9	3362.7	3369.6	3384.8	3396.6	3408.4	3428.8	3438.9	3449.0	3462.6	3477.8
10°	3305.2	3318.9	3332.4	3344.2	3362.7	3378.0	3391.5	3415.2	3427.1	3445.6	3465.9
12.5°	3261.4	3279.9	3291.8	3312.0	3332.4	3345.9	3366.2	3388.2	3406.7	3425.4	3449.0
15°	3222.5	3244.4	3257.9	3279.9	3301.9	3320.6	3342.5	3369.6	3383.1	3405.2	3427.1
17.5°	3180.0	3203.8	3220.8	3241.0	3268.1	3288.4	3307.0	3334.0	3350.9	3374.6	3400.0
20°	3136.2	3159.8	3180.0	3200.4	3227.5	3247.8	3269.7	3296.8	3315.4	3339.1	3359.5
22.5°	3083.7	3105.7	3127.6	3151.4	3178.4	3195.3	3220.8	3244.4	3264.6	3286.7	3307.0
25°	3016.0	3043.1	3060.0	3081.9	3104.0	3122.5	3149.7	3173.3	3190.3	3210.5	3229.2
27.5°	2936.5	2956.8	2970.3	2988.9	3011.0	3027.8	3048.1	3071.9	3088.8	3107.4	3120.9
30°	2801.1	2819.8	2831.6	2845.1	2867.2	2882.4	2899.4	2921.3	2933.1	2946.7	2958.5
32.5°	2623.5	2638.8	2645.5	2655.7	2671.0	2686.2	2699.8	2718.3	2723.4	2731.8	2731.8
35°	2366.5	2369.8	2368.1	2371.6	2378.4	2386.8	2398.6	2410.4	2417.2	2417.2	2412.2
37.5°	2065.4	2045.1	2023.1	2006.2	2001.2	1997.7	2004.5	2009.5	2016.3	2019.7	2011.3
40°	1752.5	1706.8	1657.7	1613.7	1583.3	1569.8	1564.6	1568.0	1568.0	1579.8	1579.8
42.5°	1483.5	1412.4	1339.8	1273.7	1229.7	1196.0	1180.7	1180.7	1182.4	1190.9	1196.0
45°	1260.2	1170.6	1086.0	1013.3	952.3	908.3	888.1	883.0	881.3	884.7	896.5
47.5°	1089.3	996.3	908.3	818.8	754.4	710.4	691.9	685.0	678.3	685.0	686.8
50°	955.8	859.3	766.4	676.6	609.0	570.0	546.3	536.2	534.5	534.5	538.0
52.5°	833.8	744.3	651.3	559.9	488.8	451.7	429.6	424.6	417.8	424.6	424.6
55°	718.9	629.3	538.0	451.7	392.4	353.6	333.2	326.5	323.1	328.2	328.2
57.5°	593.8	517.6	433.1	355.3	296.1	269.0	253.7	245.2	243.6	246.9	243.6
60°	487.1	422.9	350.1	279.1	233.4	204.8	192.8	189.5	186.1	189.5	189.5
62.5°	385.7	331.5	272.2	218.2	179.3	159.1	145.5	145.5	143.8	143.8	145.5
65°	285.9	243.6	201.3	155.6	125.2	109.9	99.8	99.8	98.1	99.8	98.1
67.5°	208.0	179.3	145.5	113.4	89.7	81.2	74.5	69.3	72.8	69.3	67.7
70°	152.3	128.5	104.8	86.3	69.3	61.0	55.8	54.1	50.7	50.7	50.7
72.5°	101.5	86.3	71.0	55.8	45.7	37.1	35.6	32.2	28.8	30.4	33.9
75°	67.7	57.5	50.7	40.6	30.4	30.4	20.4	20.4	16.9	20.4	15.3
77.5°	47.4	38.9	30.4	25.3	20.4	18.6	13.5	13.5	11.8	11.8	11.8
80°	33.9	28.8	22.0	18.6	13.5	13.5	11.8	10.1	8.4	8.4	10.1
82.5°	20.4	15.3	15.3	13.5	8.4	6.8	5.1	6.8	3.4	3.4	3.4
85°	11.8	10.1	8.4	5.1	3.4	3.4	1.7	0.0	1.7	1.7	0.0
87.5°	6.8	3.4	3.4	1.7	0.0	1.7	1.7	0.0	0.0	0.0	3.4
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: P249065

CATALOG NUMBER: LD8B70D010 ER8B70927 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	3464.3	3464.3	3464.3	3464.3	3464.3	3464.3	3464.3	3464.3	3464.3	3464.3	3464.3
2.5°	3484.6	3482.9	3486.3	3486.3	3496.5	3494.7	3499.8	3499.8	3496.5	3498.1	3504.8
5°	3496.5	3501.6	3511.6	3520.1	3535.3	3542.1	3550.5	3559.0	3560.7	3565.8	3570.9
7.5°	3496.5	3513.4	3525.2	3540.4	3560.7	3572.6	3591.1	3606.4	3613.2	3621.6	3631.7
10°	3489.6	3506.5	3528.6	3545.4	3570.9	3589.4	3608.1	3631.7	3641.8	3655.4	3669.0
12.5°	3476.1	3494.7	3518.3	3540.4	3569.2	3586.0	3609.7	3631.7	3647.0	3665.6	3680.8
15°	3455.9	3477.8	3499.8	3521.8	3552.2	3572.6	3594.6	3619.9	3635.1	3655.4	3669.0
17.5°	3423.7	3447.3	3467.7	3488.0	3516.8	3540.4	3560.7	3584.4	3599.7	3616.5	3635.1
20°	3384.8	3406.7	3428.8	3445.6	3474.4	3494.7	3516.8	3538.7	3550.5	3554.0	3582.7
22.5°	3335.7	3350.9	3367.8	3394.9	3411.9	3430.5	3450.8	3471.1	3482.9	3501.6	3511.6
25°	3254.5	3269.7	3288.4	3300.2	3320.6	3335.7	3356.0	3378.0	3384.8	3398.3	3408.4
27.5°	3141.2	3149.7	3158.1	3168.2	3180.0	3188.6	3200.4	3210.5	3217.3	3224.0	3230.8
30°	2961.9	2961.9	2961.9	2955.2	2960.2	2965.3	2967.0	2965.3	2965.3	2963.6	2963.6
32.5°	2725.1	2711.6	2696.3	2682.8	2677.7	2671.0	2667.6	2662.4	2654.1	2648.9	2650.6
35°	2405.4	2374.9	2356.3	2339.4	2325.9	2315.7	2310.6	2305.6	2303.9	2297.1	2290.3
37.5°	2006.2	1984.2	1970.7	1960.5	1948.7	1938.5	1940.2	1942.0	1946.9	1943.6	1945.2
40°	1583.3	1578.1	1583.3	1571.4	1568.0	1571.4	1579.8	1591.8	1598.5	1605.3	1617.1
42.5°	1204.4	1212.8	1224.7	1224.7	1229.7	1236.6	1246.6	1265.3	1275.4	1287.2	1300.8
45°	906.6	916.9	932.1	937.1	940.5	948.9	960.9	976.0	982.8	992.9	1004.7
47.5°	698.6	705.4	713.8	722.2	730.7	734.2	746.0	746.0	754.4	761.2	764.6
50°	544.7	551.5	558.2	563.3	566.7	571.7	575.1	580.2	581.8	585.2	586.9
52.5°	426.3	434.7	434.7	438.1	443.1	448.2	446.6	448.2	449.9	449.9	455.0
55°	333.2	333.2	338.3	338.3	341.8	340.0	341.8	341.8	341.8	341.8	343.3
57.5°	248.6	250.4	255.5	252.0	250.4	253.7	250.4	253.7	252.0	255.5	250.4
60°	191.1	191.1	192.8	192.8	194.5	194.5	194.5	192.8	192.8	191.1	191.1
62.5°	143.8	145.5	147.2	145.5	145.5	145.5	143.8	143.8	142.1	140.4	140.4
65°	96.4	94.7	98.1	94.7	96.4	96.4	94.7	96.4	91.4	93.0	91.4
67.5°	69.3	67.7	66.0	67.7	66.0	64.2	64.2	66.0	67.7	62.6	62.6
70°	45.7	47.4	45.7	47.4	49.1	49.1	47.4	45.7	47.4	44.0	45.7
72.5°	28.8	28.8	28.8	28.8	28.8	30.4	30.4	30.4	27.1	27.1	25.3
75°	13.5	18.6	15.3	13.5	18.6	18.6	16.9	16.9	15.3	15.3	15.3
77.5°	13.5	10.1	10.1	10.1	10.1	10.1	10.1	10.1	8.4	10.1	8.4
80°	6.8	6.8	6.8	5.1	6.8	6.8	8.4	6.8	6.8	5.1	8.4
82.5°	3.4	3.4	3.4	0.0	1.7	3.4	3.4	1.7	3.4	3.4	1.7
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: P249065

CATALOG NUMBER: LD8B70D010 ER8B70927 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3464.3	3464.3	3464.3	3464.3	3464.3	3464.3	3464.3	3464.3	3464.3	3464.3	3464.3
2.5°	3503.2	3501.6	3503.2	3504.8	3503.2	3501.6	3503.2	3504.8	3498.1	3496.5	3499.8
5°	3577.6	3577.6	3581.0	3582.7	3581.0	3577.6	3577.6	3570.9	3565.8	3560.7	3559.0
7.5°	3641.8	3645.3	3648.6	3650.3	3648.6	3645.3	3641.8	3631.7	3621.6	3613.2	3606.4
10°	3680.8	3686.0	3692.7	3696.0	3692.7	3686.0	3680.8	3669.0	3655.4	3641.8	3631.7
12.5°	3697.8	3702.8	3711.3	3709.6	3711.3	3702.8	3697.8	3680.8	3665.6	3647.0	3631.7
15°	3686.0	3692.7	3701.0	3704.5	3701.0	3692.7	3686.0	3669.0	3655.4	3635.1	3619.9
17.5°	3648.6	3658.8	3663.9	3669.0	3663.9	3658.8	3648.6	3635.1	3616.5	3599.7	3584.4
20°	3597.9	3604.7	3611.5	3613.2	3611.5	3604.7	3597.9	3582.7	3554.0	3550.5	3538.7
22.5°	3525.2	3530.2	3545.4	3540.4	3545.4	3530.2	3525.2	3511.6	3501.6	3482.9	3471.1
25°	3420.2	3425.4	3427.1	3428.8	3427.1	3425.4	3420.2	3408.4	3398.3	3384.8	3378.0
27.5°	3239.3	3239.3	3242.7	3244.4	3242.7	3239.3	3239.3	3230.8	3224.0	3217.3	3210.5
30°	2965.3	2965.3	2965.3	2973.7	2965.3	2965.3	2965.3	2963.6	2963.6	2965.3	2965.3
32.5°	2648.9	2645.5	2642.2	2645.5	2642.2	2645.5	2648.9	2650.6	2648.9	2654.1	2662.4
35°	2290.3	2288.7	2293.8	2287.0	2293.8	2288.7	2290.3	2290.3	2297.1	2303.9	2305.6
37.5°	1946.9	1943.6	1950.3	1943.6	1950.3	1943.6	1946.9	1945.2	1943.6	1946.9	1942.0
40°	1620.6	1623.8	1623.8	1637.4	1623.8	1623.8	1620.6	1617.1	1605.3	1598.5	1591.8
42.5°	1307.6	1317.7	1314.3	1324.5	1314.3	1317.7	1307.6	1300.8	1287.2	1275.4	1265.3
45°	1011.5	1018.4	1018.4	1021.7	1018.4	1018.4	1011.5	1004.7	992.9	982.8	976.0
47.5°	776.4	776.4	776.4	778.2	776.4	776.4	776.4	764.6	761.2	754.4	746.0
50°	590.4	592.0	593.8	595.5	593.8	592.0	590.4	586.9	585.2	581.8	580.2
52.5°	453.4	455.0	451.7	455.0	451.7	455.0	453.4	455.0	449.9	449.9	448.2
55°	343.3	341.8	343.3	345.0	343.3	341.8	343.3	343.3	341.8	341.8	341.8
57.5°	252.0	248.6	248.6	248.6	248.6	248.6	252.0	250.4	255.5	252.0	253.7
60°	187.8	189.5	189.5	191.1	189.5	189.5	187.8	191.1	191.1	192.8	192.8
62.5°	138.7	143.8	140.4	143.8	140.4	143.8	138.7	140.4	140.4	142.1	143.8
65°	89.7	89.7	89.7	91.4	89.7	89.7	89.7	91.4	93.0	91.4	96.4
67.5°	61.0	62.6	66.0	64.2	66.0	62.6	61.0	62.6	62.6	67.7	66.0
70°	49.1	44.0	44.0	49.1	44.0	44.0	49.1	45.7	44.0	47.4	45.7
72.5°	28.8	25.3	28.8	28.8	28.8	25.3	28.8	25.3	27.1	27.1	30.4
75°	15.3	13.5	11.8	16.9	11.8	13.5	15.3	15.3	15.3	15.3	16.9
77.5°	10.1	8.4	11.8	11.8	11.8	8.4	10.1	8.4	10.1	8.4	10.1
80°	5.1	6.8	5.1	8.4	5.1	6.8	5.1	8.4	5.1	6.8	6.8
82.5°	1.7	3.4	3.4	3.4	3.4	3.4	1.7	1.7	3.4	3.4	1.7
85°	0.0	3.4	1.7	1.7	1.7	3.4	0.0	0.0	0.0	0.0	0.0
87.5°	1.7	0.0	0.0	1.7	0.0	0.0	1.7	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: P249065

CATALOG NUMBER: LD8B70D010 ER8B70927 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3464.3	3464.3	3464.3	3464.3	3464.3	3464.3	3464.3	3464.3	3464.3	3464.3	3464.3
2.5°	3499.8	3494.7	3496.5	3486.3	3486.3	3482.9	3484.6	3476.1	3472.8	3469.4	3474.4
5°	3550.5	3542.1	3535.3	3520.1	3511.6	3501.6	3496.5	3482.9	3471.1	3460.8	3459.2
7.5°	3591.1	3572.6	3560.7	3540.4	3525.2	3513.4	3496.5	3477.8	3462.6	3449.0	3438.9
10°	3608.1	3589.4	3570.9	3545.4	3528.6	3506.5	3489.6	3465.9	3445.6	3427.1	3415.2
12.5°	3609.7	3586.0	3569.2	3540.4	3518.3	3494.7	3476.1	3449.0	3425.4	3406.7	3388.2
15°	3594.6	3572.6	3552.2	3521.8	3499.8	3477.8	3455.9	3427.1	3405.2	3383.1	3369.6
17.5°	3560.7	3540.4	3516.8	3488.0	3467.7	3447.3	3423.7	3400.0	3374.6	3350.9	3334.0
20°	3516.8	3494.7	3474.4	3445.6	3428.8	3406.7	3384.8	3359.5	3339.1	3315.4	3296.8
22.5°	3450.8	3430.5	3411.9	3394.9	3367.8	3350.9	3335.7	3307.0	3286.7	3264.6	3244.4
25°	3356.0	3335.7	3320.6	3300.2	3288.4	3269.7	3254.5	3229.2	3210.5	3190.3	3173.3
27.5°	3200.4	3188.6	3180.0	3168.2	3158.1	3149.7	3141.2	3120.9	3107.4	3088.8	3071.9
30°	2967.0	2965.3	2960.2	2955.2	2961.9	2961.9	2961.9	2958.5	2946.7	2933.1	2921.3
32.5°	2667.6	2671.0	2677.7	2682.8	2696.3	2711.6	2725.1	2731.8	2731.8	2723.4	2718.3
35°	2310.6	2315.7	2325.9	2339.4	2356.3	2374.9	2405.4	2412.2	2417.2	2417.2	2410.4
37.5°	1940.2	1938.5	1948.7	1960.5	1970.7	1984.2	2006.2	2011.3	2019.7	2016.3	2009.5
40°	1579.8	1571.4	1568.0	1571.4	1583.3	1578.1	1583.3	1579.8	1579.8	1568.0	1568.0
42.5°	1246.6	1236.6	1229.7	1224.7	1224.7	1212.8	1204.4	1196.0	1190.9	1182.4	1180.7
45°	960.9	948.9	940.5	937.1	932.1	916.9	906.6	896.5	884.7	881.3	883.0
47.5°	746.0	734.2	730.7	722.2	713.8	705.4	698.6	686.8	685.0	678.3	685.0
50°	575.1	571.7	566.7	563.3	558.2	551.5	544.7	538.0	534.5	534.5	536.2
52.5°	446.6	448.2	443.1	438.1	434.7	434.7	426.3	424.6	424.6	417.8	424.6
55°	341.8	340.0	341.8	338.3	338.3	333.2	333.2	328.2	328.2	323.1	326.5
57.5°	250.4	253.7	250.4	252.0	255.5	250.4	248.6	243.6	246.9	243.6	245.2
60°	194.5	194.5	194.5	192.8	192.8	191.1	191.1	189.5	189.5	186.1	189.5
62.5°	143.8	145.5	145.5	145.5	147.2	145.5	143.8	145.5	143.8	143.8	145.5
65°	94.7	96.4	96.4	94.7	98.1	94.7	96.4	98.1	99.8	98.1	99.8
67.5°	64.2	64.2	66.0	67.7	66.0	67.7	69.3	67.7	69.3	72.8	69.3
70°	47.4	49.1	49.1	47.4	45.7	47.4	45.7	50.7	50.7	50.7	54.1
72.5°	30.4	30.4	28.8	28.8	28.8	28.8	28.8	33.9	30.4	28.8	32.2
75°	16.9	18.6	18.6	13.5	15.3	18.6	13.5	15.3	20.4	16.9	20.4
77.5°	10.1	10.1	10.1	10.1	10.1	10.1	13.5	11.8	11.8	11.8	13.5
80°	8.4	6.8	6.8	5.1	6.8	6.8	6.8	10.1	8.4	8.4	10.1
82.5°	3.4	3.4	1.7	0.0	3.4	3.4	3.4	3.4	3.4	3.4	6.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	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: P249065

CATALOG NUMBER: LD8B70D010 ER8B70927 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3464.3	3464.3	3464.3	3464.3	3464.3	3464.3	3464.3	3464.3	3464.3	3464.3	3464.3
2.5°	3460.8	3460.8	3459.2	3455.9	3449.0	3449.0	3447.3	3442.3	3438.9	3437.2	3437.2
5°	3444.0	3437.2	3430.5	3411.9	3411.9	3408.4	3398.3	3391.5	3388.2	3379.7	3376.4
7.5°	3428.8	3408.4	3396.6	3384.8	3369.6	3362.7	3350.9	3345.9	3334.0	3325.6	3320.6
10°	3391.5	3378.0	3362.7	3344.2	3332.4	3318.9	3305.2	3295.1	3279.9	3271.4	3264.6
12.5°	3366.2	3345.9	3332.4	3312.0	3291.8	3279.9	3261.4	3249.5	3234.3	3217.3	3207.2
15°	3342.5	3320.6	3301.9	3279.9	3257.9	3244.4	3222.5	3208.8	3186.9	3170.0	3158.1
17.5°	3307.0	3288.4	3268.1	3241.0	3220.8	3203.8	3180.0	3163.2	3142.9	3120.9	3109.0
20°	3269.7	3247.8	3227.5	3200.4	3180.0	3159.8	3136.2	3117.5	3093.8	3073.5	3060.0
22.5°	3220.8	3195.3	3178.4	3151.4	3127.6	3105.7	3083.7	3061.7	3039.8	3022.8	3007.6
25°	3149.7	3122.5	3104.0	3081.9	3060.0	3043.1	3016.0	3002.5	2980.6	2965.3	2950.0
27.5°	3048.1	3027.8	3011.0	2988.9	2970.3	2956.8	2936.5	2923.0	2904.3	2890.8	2879.0
30°	2899.4	2882.4	2867.2	2845.1	2831.6	2819.8	2801.1	2789.3	2775.8	2760.5	2757.3
32.5°	2699.8	2686.2	2671.0	2655.7	2645.5	2638.8	2623.5	2616.8	2603.2	2594.8	2586.4
35°	2398.6	2386.8	2378.4	2371.6	2368.1	2369.8	2366.5	2373.3	2376.6	2374.9	2376.6
37.5°	2004.5	1997.7	2001.2	2006.2	2023.1	2045.1	2065.4	2095.8	2116.1	2136.5	2155.0
40°	1564.6	1569.8	1583.3	1613.7	1657.7	1706.8	1752.5	1810.0	1867.5	1908.1	1945.2
42.5°	1180.7	1196.0	1229.7	1273.7	1339.8	1412.4	1483.5	1568.0	1637.4	1705.0	1752.5
45°	888.1	908.3	952.3	1013.3	1086.0	1170.6	1260.2	1355.0	1437.9	1507.2	1559.6
47.5°	691.9	710.4	754.4	818.8	908.3	996.3	1089.3	1187.4	1273.7	1341.4	1387.1
50°	546.3	570.0	609.0	676.6	766.4	859.3	955.8	1052.1	1133.3	1190.9	1231.4
52.5°	429.6	451.7	488.8	559.9	651.3	744.3	833.8	928.7	999.7	1055.5	1082.6
55°	333.2	353.6	392.4	451.7	538.0	629.3	718.9	800.1	866.0	906.6	932.1
57.5°	253.7	269.0	296.1	355.3	433.1	517.6	593.8	675.0	725.7	754.4	771.3
60°	192.8	204.8	233.4	279.1	350.1	422.9	487.1	548.1	588.7	612.3	629.3
62.5°	145.5	159.1	179.3	218.2	272.2	331.5	385.7	431.3	465.2	480.4	492.3
65°	99.8	109.9	125.2	155.6	201.3	243.6	285.9	319.7	341.8	358.7	365.4
67.5°	74.5	81.2	89.7	113.4	145.5	179.3	208.0	231.8	255.5	262.2	274.0
70°	55.8	61.0	69.3	86.3	104.8	128.5	152.3	165.8	182.7	194.5	198.0
72.5°	35.6	37.1	45.7	55.8	71.0	86.3	101.5	113.4	123.5	130.3	133.6
75°	20.4	30.4	30.4	40.6	50.7	57.5	67.7	76.0	81.2	86.3	86.3
77.5°	13.5	18.6	20.4	25.3	30.4	38.9	47.4	52.4	57.5	59.2	59.2
80°	11.8	13.5	13.5	18.6	22.0	28.8	33.9	35.6	38.9	40.6	44.0
82.5°	5.1	6.8	8.4	13.5	15.3	15.3	20.4	22.0	25.3	27.1	27.1
85°	1.7	3.4	3.4	5.1	8.4	10.1	11.8	13.5	15.3	15.3	16.9
87.5°	1.7	1.7	0.0	1.7	3.4	3.4	6.8	6.8	6.8	10.1	10.1
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: P249065

CATALOG NUMBER: LD8B70D010 ER8B70927 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	3464.3	3464.3	3464.3	3464.3	3464.3	3464.3	3464.3
2.5°	3433.8	3435.5	3428.8	3427.1	3423.7	3425.4	3428.8
5°	3371.3	3373.0	3366.2	3359.5	3359.5	3357.7	3359.5
7.5°	3312.0	3313.8	3303.6	3300.2	3293.4	3295.1	3295.1
10°	3252.8	3252.8	3237.6	3236.0	3230.8	3229.2	3229.2
12.5°	3195.3	3190.3	3178.4	3171.6	3175.1	3164.8	3164.8
15°	3144.6	3136.2	3120.9	3115.8	3107.4	3104.0	3104.0
17.5°	3092.2	3085.4	3071.9	3061.7	3051.6	3049.9	3051.6
20°	3041.3	3034.6	3017.7	3011.0	3002.5	3002.5	2999.1
22.5°	2990.6	2983.8	2968.6	2963.6	2951.8	2951.8	2953.5
25°	2938.2	2933.1	2916.2	2912.8	2911.2	2904.3	2907.8
27.5°	2867.2	2863.8	2850.3	2845.1	2838.4	2836.8	2840.1
30°	2736.9	2731.8	2721.7	2716.6	2704.8	2706.5	2709.8
32.5°	2574.6	2567.8	2554.2	2549.1	2539.0	2535.6	2537.3
35°	2371.6	2366.5	2354.6	2354.6	2344.5	2341.1	2344.5
37.5°	2165.2	2170.2	2165.2	2170.2	2165.2	2163.5	2165.2
40°	1970.7	1989.2	1992.6	2011.3	2004.5	2014.6	2013.0
42.5°	1784.6	1815.0	1826.9	1842.1	1838.7	1845.4	1850.6
45°	1596.8	1622.2	1634.1	1644.2	1645.9	1649.2	1650.9
47.5°	1419.2	1439.6	1441.1	1453.0	1451.4	1451.4	1456.4
50°	1253.5	1267.0	1270.4	1278.8	1272.0	1268.7	1270.4
52.5°	1099.6	1113.1	1109.6	1113.1	1104.6	1101.1	1102.8
55°	942.2	948.9	948.9	948.9	938.8	938.8	938.8
57.5°	781.4	783.2	779.8	781.4	779.8	769.6	767.9
60°	634.4	634.4	632.6	634.4	629.3	624.2	624.2
62.5°	495.6	499.0	505.8	499.0	495.6	499.0	493.9
65°	370.5	377.2	375.5	378.9	377.2	377.2	373.8
67.5°	279.1	280.8	282.5	284.2	284.2	284.2	284.2
70°	204.8	209.8	208.0	208.0	208.0	208.0	218.2
72.5°	137.0	143.8	142.1	145.5	145.5	148.8	145.5
75°	93.0	99.8	96.4	101.5	99.8	96.4	104.8
77.5°	62.6	66.0	67.7	69.3	67.7	66.0	67.7
80°	44.0	47.4	45.7	47.4	47.4	47.4	49.1
82.5°	27.1	32.2	30.4	32.2	30.4	32.2	32.2
85°	18.6	20.4	16.9	20.4	18.6	18.6	22.0
87.5°	11.8	10.1	10.1	11.8	10.1	11.8	10.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)