

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 ER8B709727 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 ER8B709727 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: 5187.0 lumens
Efficiency: N/A
Efficacy: 68.3 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

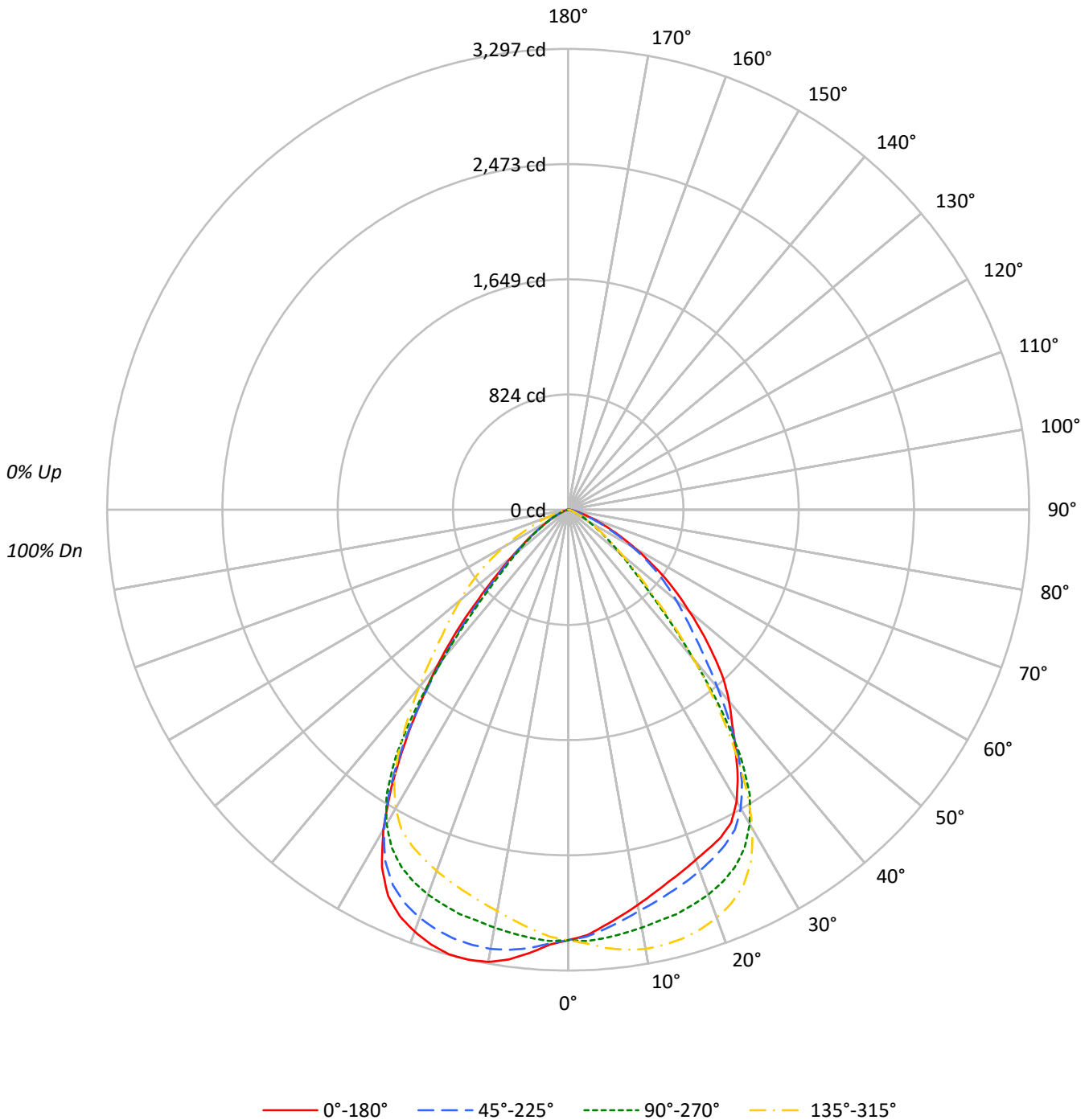
Input Watts (W): 75.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	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°				



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	293.1	5.7
10°-20°	848.8	16.4
20°-30°	1285.2	24.8
30°-40°	1288.1	24.8
40°-50°	808.9	15.6
50°-60°	431.0	8.3
60°-70°	177.3	3.4
70°-80°	46.8	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°	2427.0	46.8
0°-40°	3715.1	71.6
0°-60°	4955.0	95.5
0°-90°	5187.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5187.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3079	3079	3079	3079	3079	
5°	2986	3075	3185	3075	2986	282
15°	2759	2995	3293	2995	2759	780
25°	2585	2821	3048	2821	2585	1185
35°	2084	2143	2033	2143	2084	1306
45°	1468	785	908	785	1468	1129
55°	834	290	307	290	834	744
65°	332	89	81	89	332	345
75°	93	18	15	18	93	106
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°	3079.4	3079.4	3079.4	3079.4	3079.4	3079.4	3079.4	3079.4	3079.4	3079.4	3079.4
2.5°	3047.8	3044.8	3043.3	3046.3	3047.8	3053.8	3052.3	3055.3	3055.3	3056.8	3059.8
5°	2986.2	2984.6	2986.2	2986.2	2992.2	2998.2	2996.7	3001.2	3004.2	3011.7	3014.7
7.5°	2929.0	2929.0	2927.5	2933.5	2936.5	2945.6	2944.0	2951.6	2956.1	2963.6	2974.1
10°	2870.4	2870.4	2871.8	2876.4	2877.9	2891.4	2891.4	2901.9	2907.9	2915.5	2929.0
12.5°	2813.2	2813.2	2822.3	2819.2	2825.2	2835.8	2840.3	2850.8	2859.8	2874.9	2888.4
15°	2759.1	2759.1	2762.1	2769.6	2774.1	2787.7	2795.2	2807.2	2817.8	2832.8	2852.3
17.5°	2712.5	2711.0	2712.5	2721.5	2730.6	2742.6	2748.6	2763.6	2774.1	2793.7	2811.7
20°	2665.9	2668.9	2668.9	2676.4	2682.4	2697.4	2703.4	2720.0	2732.0	2750.0	2771.1
22.5°	2625.3	2623.8	2623.8	2634.3	2638.8	2652.3	2658.3	2673.4	2686.9	2702.0	2721.5
25°	2584.7	2581.6	2587.7	2589.2	2592.2	2607.2	2611.7	2622.2	2635.8	2649.4	2668.9
27.5°	2524.5	2521.6	2523.0	2529.0	2533.6	2545.6	2548.6	2559.1	2569.6	2581.6	2598.2
30°	2408.7	2405.8	2404.3	2414.8	2419.3	2428.3	2432.8	2450.9	2453.8	2467.4	2479.4
32.5°	2255.4	2253.9	2256.9	2265.9	2270.4	2282.5	2288.5	2299.0	2306.5	2314.0	2326.0
35°	2084.0	2081.0	2084.0	2093.0	2093.0	2103.6	2108.1	2112.5	2111.0	2112.5	2109.6
37.5°	1924.6	1923.1	1924.6	1929.1	1924.6	1929.1	1924.6	1915.6	1899.1	1881.0	1862.9
40°	1789.3	1790.8	1781.8	1787.8	1771.2	1768.2	1751.7	1729.1	1696.1	1660.0	1608.9
42.5°	1645.0	1640.4	1634.4	1637.4	1623.9	1613.3	1586.3	1557.8	1515.6	1455.5	1393.8
45°	1467.5	1466.0	1463.0	1461.5	1452.5	1442.0	1419.4	1386.3	1339.7	1278.1	1204.4
47.5°	1294.6	1290.1	1290.1	1291.6	1281.0	1279.6	1261.5	1233.0	1192.4	1132.2	1055.5
50°	1129.2	1127.7	1130.7	1136.7	1129.2	1126.2	1114.2	1094.6	1058.6	1007.4	935.2
52.5°	980.3	978.8	981.9	989.4	986.3	989.4	977.4	962.3	938.2	888.6	825.5
55°	834.5	834.5	834.5	843.5	843.5	843.5	837.5	828.5	805.9	769.8	711.2
57.5°	682.6	684.1	693.2	694.6	693.2	696.2	694.6	685.6	670.6	645.1	600.0
60°	554.8	554.8	559.4	563.9	562.3	563.9	563.9	559.4	544.3	523.3	487.2
62.5°	439.0	443.6	440.5	443.6	449.6	443.6	440.5	437.6	427.0	413.5	383.4
65°	332.3	335.3	335.3	336.8	333.8	335.3	329.3	324.8	318.8	303.8	284.2
67.5°	252.6	252.6	252.6	252.6	251.1	249.6	248.1	243.6	233.1	227.1	206.0
70°	194.0	184.9	184.9	184.9	184.9	186.5	182.0	176.0	172.9	162.4	147.4
72.5°	129.3	132.3	129.3	129.3	126.3	127.8	121.8	118.8	115.8	109.8	100.8
75°	93.2	85.7	88.7	90.2	85.7	88.7	82.7	76.7	76.7	72.2	67.6
77.5°	60.2	58.7	60.2	61.6	60.2	58.7	55.6	52.6	52.6	51.1	46.6
80°	43.6	42.1	42.1	42.1	40.6	42.1	39.1	39.1	36.1	34.6	31.6
82.5°	28.6	28.6	27.0	28.6	27.0	28.6	24.1	24.1	24.1	22.5	19.6
85°	19.6	16.5	16.5	18.1	15.0	18.1	16.5	15.0	13.6	13.6	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°	3079.4	3079.4	3079.4	3079.4	3079.4	3079.4	3079.4	3079.4	3079.4	3079.4	3079.4
2.5°	3064.3	3065.8	3065.8	3071.9	3074.8	3076.3	3076.3	3088.4	3083.9	3086.9	3089.9
5°	3020.7	3029.7	3032.8	3032.8	3049.3	3055.3	3061.3	3074.8	3076.3	3085.4	3095.9
7.5°	2978.6	2989.1	2995.2	3008.7	3019.2	3029.7	3047.8	3056.8	3065.8	3077.9	3091.4
10°	2938.0	2950.1	2962.1	2972.6	2989.1	3002.7	3014.7	3035.7	3046.3	3062.8	3080.8
12.5°	2899.0	2915.5	2926.0	2944.0	2962.1	2974.1	2992.2	3011.7	3028.2	3044.8	3065.8
15°	2864.4	2883.9	2895.9	2915.5	2935.0	2951.6	2971.1	2995.2	3007.2	3026.8	3046.3
17.5°	2826.7	2847.8	2862.9	2880.9	2905.0	2923.0	2939.6	2963.6	2978.6	2999.6	3022.2
20°	2787.7	2808.7	2826.7	2844.8	2868.9	2886.9	2906.4	2930.5	2947.0	2968.1	2986.2
22.5°	2741.1	2760.6	2780.1	2801.2	2825.2	2840.3	2862.9	2883.9	2901.9	2921.5	2939.6
25°	2680.9	2705.0	2720.0	2739.5	2759.1	2775.6	2799.7	2820.7	2835.8	2853.8	2870.4
27.5°	2610.2	2628.3	2640.3	2656.8	2676.4	2691.4	2709.4	2730.6	2745.6	2762.1	2774.1
30°	2489.9	2506.5	2517.0	2529.0	2548.6	2562.1	2577.2	2596.7	2607.2	2619.3	2629.8
32.5°	2332.0	2345.6	2351.6	2360.6	2374.2	2387.7	2399.8	2416.3	2420.8	2428.3	2428.3
35°	2103.6	2106.5	2105.0	2108.1	2114.1	2121.6	2132.1	2142.6	2148.6	2148.6	2144.2
37.5°	1835.9	1817.9	1798.3	1783.3	1778.8	1775.7	1781.8	1786.2	1792.3	1795.3	1787.8
40°	1557.8	1517.2	1473.5	1434.4	1407.4	1395.4	1390.8	1393.8	1393.8	1404.3	1404.3
42.5°	1318.7	1255.5	1190.9	1132.2	1093.1	1063.1	1049.5	1049.5	1051.0	1058.6	1063.1
45°	1120.2	1040.5	965.3	900.7	846.5	807.4	789.4	784.9	783.4	786.4	796.9
47.5°	968.3	885.6	807.4	727.8	670.6	631.5	615.0	608.9	602.9	608.9	610.5
50°	849.6	763.8	681.2	601.4	541.3	506.7	485.6	476.6	475.1	475.1	478.2
52.5°	741.2	661.6	578.9	497.7	434.5	401.5	381.9	377.4	371.4	377.4	377.4
55°	639.0	559.4	478.2	401.5	348.8	314.3	296.2	290.2	287.2	291.7	291.7
57.5°	527.8	460.1	385.0	315.8	263.2	239.1	225.5	218.0	216.5	219.5	216.5
60°	433.0	375.9	311.2	248.1	207.5	182.0	171.4	168.4	165.4	168.4	168.4
62.5°	342.8	294.7	242.0	194.0	159.4	141.4	129.3	129.3	127.8	127.8	129.3
65°	254.1	216.5	178.9	138.3	111.3	97.7	88.7	88.7	87.2	88.7	87.2
67.5°	184.9	159.4	129.3	100.8	79.7	72.2	66.2	61.6	64.7	61.6	60.2
70°	135.4	114.2	93.2	76.7	61.6	54.2	49.6	48.1	45.1	45.1	45.1
72.5°	90.2	76.7	63.1	49.6	40.6	33.0	31.6	28.6	25.6	27.0	30.1
75°	60.2	51.1	45.1	36.1	27.0	27.0	18.1	18.1	15.0	18.1	13.6
77.5°	42.1	34.6	27.0	22.5	18.1	16.5	12.0	12.0	10.5	10.5	10.5
80°	30.1	25.6	19.6	16.5	12.0	12.0	10.5	9.0	7.5	7.5	9.0
82.5°	18.1	13.6	13.6	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°	3079.4	3079.4	3079.4	3079.4	3079.4	3079.4	3079.4	3079.4	3079.4	3079.4	3079.4
2.5°	3097.4	3095.9	3098.9	3098.9	3108.0	3106.4	3110.9	3110.9	3108.0	3109.4	3115.4
5°	3108.0	3112.5	3121.4	3129.0	3142.5	3148.5	3156.0	3163.6	3165.1	3169.6	3174.1
7.5°	3108.0	3123.0	3133.5	3147.0	3165.1	3175.6	3192.1	3205.7	3211.7	3219.2	3228.2
10°	3101.9	3116.9	3136.5	3151.5	3174.1	3190.6	3207.2	3228.2	3237.2	3249.2	3261.3
12.5°	3089.9	3106.4	3127.4	3147.0	3172.6	3187.6	3208.6	3228.2	3241.8	3258.3	3271.8
15°	3071.9	3091.4	3110.9	3130.5	3157.5	3175.6	3195.2	3217.7	3231.2	3249.2	3261.3
17.5°	3043.3	3064.3	3082.4	3100.4	3126.0	3147.0	3165.1	3186.1	3199.7	3214.7	3231.2
20°	3008.7	3028.2	3047.8	3062.8	3088.4	3106.4	3126.0	3145.5	3156.0	3159.1	3184.6
22.5°	2965.1	2978.6	2993.6	3017.7	3032.8	3049.3	3067.4	3085.4	3095.9	3112.5	3121.4
25°	2892.9	2906.4	2923.0	2933.5	2951.6	2965.1	2983.1	3002.7	3008.7	3020.7	3029.7
27.5°	2792.2	2799.7	2807.2	2816.2	2826.7	2834.3	2844.8	2853.8	2859.8	2865.8	2871.8
30°	2632.8	2632.8	2632.8	2626.8	2631.3	2635.8	2637.3	2635.8	2635.8	2634.3	2634.3
32.5°	2422.3	2410.3	2396.7	2384.7	2380.2	2374.2	2371.2	2366.6	2359.2	2354.6	2356.1
35°	2138.1	2111.0	2094.5	2079.5	2067.5	2058.4	2053.9	2049.4	2047.9	2041.9	2035.8
37.5°	1783.3	1763.7	1751.7	1742.7	1732.2	1723.1	1724.6	1726.2	1730.6	1727.6	1729.1
40°	1407.4	1402.8	1407.4	1396.8	1393.8	1396.8	1404.3	1414.9	1420.9	1426.9	1437.4
42.5°	1070.6	1078.0	1088.6	1088.6	1093.1	1099.2	1108.1	1124.7	1133.7	1144.2	1156.3
45°	805.9	815.0	828.5	833.0	836.0	843.5	854.1	867.6	873.6	882.6	893.1
47.5°	621.0	627.0	634.5	642.0	649.5	652.6	663.1	663.1	670.6	676.6	679.6
50°	484.2	490.2	496.2	500.7	503.7	508.2	511.2	515.7	517.2	520.2	521.7
52.5°	378.9	386.4	386.4	389.4	393.9	398.4	397.0	398.4	399.9	399.9	404.4
55°	296.2	296.2	300.7	300.7	303.8	302.2	303.8	303.8	303.8	303.8	305.2
57.5°	221.0	222.6	227.1	224.0	222.6	225.5	222.6	225.5	224.0	227.1	222.6
60°	169.9	169.9	171.4	171.4	172.9	172.9	172.9	171.4	171.4	169.9	169.9
62.5°	127.8	129.3	130.8	129.3	129.3	129.3	127.8	127.8	126.3	124.8	124.8
65°	85.7	84.2	87.2	84.2	85.7	85.7	84.2	85.7	81.2	82.7	81.2
67.5°	61.6	60.2	58.7	60.2	58.7	57.1	57.1	58.7	60.2	55.6	55.6
70°	40.6	42.1	40.6	42.1	43.6	43.6	42.1	40.6	42.1	39.1	40.6
72.5°	25.6	25.6	25.6	25.6	25.6	27.0	27.0	27.0	24.1	24.1	22.5
75°	12.0	16.5	13.6	12.0	16.5	16.5	15.0	15.0	13.6	13.6	13.6
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: P249065

CATALOG NUMBER: LD8B70D010 ER8B709727 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3079.4	3079.4	3079.4	3079.4	3079.4	3079.4	3079.4	3079.4	3079.4	3079.4	3079.4
2.5°	3114.0	3112.5	3114.0	3115.4	3114.0	3112.5	3114.0	3115.4	3109.4	3108.0	3110.9
5°	3180.1	3180.1	3183.1	3184.6	3183.1	3180.1	3180.1	3174.1	3169.6	3165.1	3163.6
7.5°	3237.2	3240.3	3243.2	3244.7	3243.2	3240.3	3237.2	3228.2	3219.2	3211.7	3205.7
10°	3271.8	3276.4	3282.4	3285.3	3282.4	3276.4	3271.8	3261.3	3249.2	3237.2	3228.2
12.5°	3286.9	3291.4	3298.9	3297.4	3298.9	3291.4	3286.9	3271.8	3258.3	3241.8	3228.2
15°	3276.4	3282.4	3289.8	3292.9	3289.8	3282.4	3276.4	3261.3	3249.2	3231.2	3217.7
17.5°	3243.2	3252.3	3256.8	3261.3	3256.8	3252.3	3243.2	3231.2	3214.7	3199.7	3186.1
20°	3198.1	3204.2	3210.2	3211.7	3210.2	3204.2	3198.1	3184.6	3159.1	3156.0	3145.5
22.5°	3133.5	3138.0	3151.5	3147.0	3151.5	3138.0	3133.5	3121.4	3112.5	3095.9	3085.4
25°	3040.2	3044.8	3046.3	3047.8	3046.3	3044.8	3040.2	3029.7	3020.7	3008.7	3002.7
27.5°	2879.4	2879.4	2882.4	2883.9	2882.4	2879.4	2879.4	2871.8	2865.8	2859.8	2853.8
30°	2635.8	2635.8	2635.8	2643.3	2635.8	2635.8	2635.8	2634.3	2634.3	2635.8	2635.8
32.5°	2354.6	2351.6	2348.6	2351.6	2348.6	2351.6	2354.6	2356.1	2354.6	2359.2	2366.6
35°	2035.8	2034.4	2038.9	2032.9	2038.9	2034.4	2035.8	2035.8	2041.9	2047.9	2049.4
37.5°	1730.6	1727.6	1733.6	1727.6	1733.6	1727.6	1730.6	1729.1	1727.6	1730.6	1726.2
40°	1440.5	1443.4	1443.4	1455.5	1443.4	1443.4	1440.5	1437.4	1426.9	1420.9	1414.9
42.5°	1162.3	1171.3	1168.3	1177.3	1168.3	1171.3	1162.3	1156.3	1144.2	1133.7	1124.7
45°	899.1	905.2	905.2	908.2	905.2	905.2	899.1	893.1	882.6	873.6	867.6
47.5°	690.1	690.1	690.1	691.7	690.1	690.1	690.1	679.6	676.6	670.6	663.1
50°	524.8	526.2	527.8	529.3	527.8	526.2	524.8	521.7	520.2	517.2	515.7
52.5°	403.0	404.4	401.5	404.4	401.5	404.4	403.0	404.4	399.9	399.9	398.4
55°	305.2	303.8	305.2	306.7	305.2	303.8	305.2	305.2	303.8	303.8	303.8
57.5°	224.0	221.0	221.0	221.0	221.0	221.0	224.0	222.6	227.1	224.0	225.5
60°	166.9	168.4	168.4	169.9	168.4	168.4	166.9	169.9	169.9	171.4	171.4
62.5°	123.3	127.8	124.8	127.8	124.8	127.8	123.3	124.8	124.8	126.3	127.8
65°	79.7	79.7	79.7	81.2	79.7	79.7	79.7	81.2	82.7	81.2	85.7
67.5°	54.2	55.6	58.7	57.1	58.7	55.6	54.2	55.6	55.6	60.2	58.7
70°	43.6	39.1	39.1	43.6	39.1	39.1	43.6	40.6	39.1	42.1	40.6
72.5°	25.6	22.5	25.6	25.6	25.6	22.5	25.6	22.5	24.1	24.1	27.0
75°	13.6	12.0	10.5	15.0	10.5	12.0	13.6	13.6	13.6	13.6	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: P249065

CATALOG NUMBER: LD8B70D010 ER8B709727 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3079.4	3079.4	3079.4	3079.4	3079.4	3079.4	3079.4	3079.4	3079.4	3079.4	3079.4
2.5°	3110.9	3106.4	3108.0	3098.9	3098.9	3095.9	3097.4	3089.9	3086.9	3083.9	3088.4
5°	3156.0	3148.5	3142.5	3129.0	3121.4	3112.5	3108.0	3095.9	3085.4	3076.3	3074.8
7.5°	3192.1	3175.6	3165.1	3147.0	3133.5	3123.0	3108.0	3091.4	3077.9	3065.8	3056.8
10°	3207.2	3190.6	3174.1	3151.5	3136.5	3116.9	3101.9	3080.8	3062.8	3046.3	3035.7
12.5°	3208.6	3187.6	3172.6	3147.0	3127.4	3106.4	3089.9	3065.8	3044.8	3028.2	3011.7
15°	3195.2	3175.6	3157.5	3130.5	3110.9	3091.4	3071.9	3046.3	3026.8	3007.2	2995.2
17.5°	3165.1	3147.0	3126.0	3100.4	3082.4	3064.3	3043.3	3022.2	2999.6	2978.6	2963.6
20°	3126.0	3106.4	3088.4	3062.8	3047.8	3028.2	3008.7	2986.2	2968.1	2947.0	2930.5
22.5°	3067.4	3049.3	3032.8	3017.7	2993.6	2978.6	2965.1	2939.6	2921.5	2901.9	2883.9
25°	2983.1	2965.1	2951.6	2933.5	2923.0	2906.4	2892.9	2870.4	2853.8	2835.8	2820.7
27.5°	2844.8	2834.3	2826.7	2816.2	2807.2	2799.7	2792.2	2774.1	2762.1	2745.6	2730.6
30°	2637.3	2635.8	2631.3	2626.8	2632.8	2632.8	2632.8	2629.8	2619.3	2607.2	2596.7
32.5°	2371.2	2374.2	2380.2	2384.7	2396.7	2410.3	2422.3	2428.3	2428.3	2420.8	2416.3
35°	2053.9	2058.4	2067.5	2079.5	2094.5	2111.0	2138.1	2144.2	2148.6	2148.6	2142.6
37.5°	1724.6	1723.1	1732.2	1742.7	1751.7	1763.7	1783.3	1787.8	1795.3	1792.3	1786.2
40°	1404.3	1396.8	1393.8	1396.8	1407.4	1402.8	1407.4	1404.3	1404.3	1393.8	1393.8
42.5°	1108.1	1099.2	1093.1	1088.6	1088.6	1078.0	1070.6	1063.1	1058.6	1051.0	1049.5
45°	854.1	843.5	836.0	833.0	828.5	815.0	805.9	796.9	786.4	783.4	784.9
47.5°	663.1	652.6	649.5	642.0	634.5	627.0	621.0	610.5	608.9	602.9	608.9
50°	511.2	508.2	503.7	500.7	496.2	490.2	484.2	478.2	475.1	475.1	476.6
52.5°	397.0	398.4	393.9	389.4	386.4	386.4	378.9	377.4	377.4	371.4	377.4
55°	303.8	302.2	303.8	300.7	300.7	296.2	296.2	291.7	291.7	287.2	290.2
57.5°	222.6	225.5	222.6	224.0	227.1	222.6	221.0	216.5	219.5	216.5	218.0
60°	172.9	172.9	172.9	171.4	171.4	169.9	169.9	168.4	168.4	165.4	168.4
62.5°	127.8	129.3	129.3	129.3	130.8	129.3	127.8	129.3	127.8	127.8	129.3
65°	84.2	85.7	85.7	84.2	87.2	84.2	85.7	87.2	88.7	87.2	88.7
67.5°	57.1	57.1	58.7	60.2	58.7	60.2	61.6	60.2	61.6	64.7	61.6
70°	42.1	43.6	43.6	42.1	40.6	42.1	40.6	45.1	45.1	45.1	48.1
72.5°	27.0	27.0	25.6	25.6	25.6	25.6	25.6	30.1	27.0	25.6	28.6
75°	15.0	16.5	16.5	12.0	13.6	16.5	12.0	13.6	18.1	15.0	18.1
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: P249065

CATALOG NUMBER: LD8B70D010 ER8B709727 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3079.4	3079.4	3079.4	3079.4	3079.4	3079.4	3079.4	3079.4	3079.4	3079.4	3079.4
2.5°	3076.3	3076.3	3074.8	3071.9	3065.8	3065.8	3064.3	3059.8	3056.8	3055.3	3055.3
5°	3061.3	3055.3	3049.3	3032.8	3032.8	3029.7	3020.7	3014.7	3011.7	3004.2	3001.2
7.5°	3047.8	3029.7	3019.2	3008.7	2995.2	2989.1	2978.6	2974.1	2963.6	2956.1	2951.6
10°	3014.7	3002.7	2989.1	2972.6	2962.1	2950.1	2938.0	2929.0	2915.5	2907.9	2901.9
12.5°	2992.2	2974.1	2962.1	2944.0	2926.0	2915.5	2899.0	2888.4	2874.9	2859.8	2850.8
15°	2971.1	2951.6	2935.0	2915.5	2895.9	2883.9	2864.4	2852.3	2832.8	2817.8	2807.2
17.5°	2939.6	2923.0	2905.0	2880.9	2862.9	2847.8	2826.7	2811.7	2793.7	2774.1	2763.6
20°	2906.4	2886.9	2868.9	2844.8	2826.7	2808.7	2787.7	2771.1	2750.0	2732.0	2720.0
22.5°	2862.9	2840.3	2825.2	2801.2	2780.1	2760.6	2741.1	2721.5	2702.0	2686.9	2673.4
25°	2799.7	2775.6	2759.1	2739.5	2720.0	2705.0	2680.9	2668.9	2649.4	2635.8	2622.2
27.5°	2709.4	2691.4	2676.4	2656.8	2640.3	2628.3	2610.2	2598.2	2581.6	2569.6	2559.1
30°	2577.2	2562.1	2548.6	2529.0	2517.0	2506.5	2489.9	2479.4	2467.4	2453.8	2450.9
32.5°	2399.8	2387.7	2374.2	2360.6	2351.6	2345.6	2332.0	2326.0	2314.0	2306.5	2299.0
35°	2132.1	2121.6	2114.1	2108.1	2105.0	2106.5	2103.6	2109.6	2112.5	2111.0	2112.5
37.5°	1781.8	1775.7	1778.8	1783.3	1798.3	1817.9	1835.9	1862.9	1881.0	1899.1	1915.6
40°	1390.8	1395.4	1407.4	1434.4	1473.5	1517.2	1557.8	1608.9	1660.0	1696.1	1729.1
42.5°	1049.5	1063.1	1093.1	1132.2	1190.9	1255.5	1318.7	1393.8	1455.5	1515.6	1557.8
45°	789.4	807.4	846.5	900.7	965.3	1040.5	1120.2	1204.4	1278.1	1339.7	1386.3
47.5°	615.0	631.5	670.6	727.8	807.4	885.6	968.3	1055.5	1132.2	1192.4	1233.0
50°	485.6	506.7	541.3	601.4	681.2	763.8	849.6	935.2	1007.4	1058.6	1094.6
52.5°	381.9	401.5	434.5	497.7	578.9	661.6	741.2	825.5	888.6	938.2	962.3
55°	296.2	314.3	348.8	401.5	478.2	559.4	639.0	711.2	769.8	805.9	828.5
57.5°	225.5	239.1	263.2	315.8	385.0	460.1	527.8	600.0	645.1	670.6	685.6
60°	171.4	182.0	207.5	248.1	311.2	375.9	433.0	487.2	523.3	544.3	559.4
62.5°	129.3	141.4	159.4	194.0	242.0	294.7	342.8	383.4	413.5	427.0	437.6
65°	88.7	97.7	111.3	138.3	178.9	216.5	254.1	284.2	303.8	318.8	324.8
67.5°	66.2	72.2	79.7	100.8	129.3	159.4	184.9	206.0	227.1	233.1	243.6
70°	49.6	54.2	61.6	76.7	93.2	114.2	135.4	147.4	162.4	172.9	176.0
72.5°	31.6	33.0	40.6	49.6	63.1	76.7	90.2	100.8	109.8	115.8	118.8
75°	18.1	27.0	27.0	36.1	45.1	51.1	60.2	67.6	72.2	76.7	76.7
77.5°	12.0	16.5	18.1	22.5	27.0	34.6	42.1	46.6	51.1	52.6	52.6
80°	10.5	12.0	12.0	16.5	19.6	25.6	30.1	31.6	34.6	36.1	39.1
82.5°	4.5	6.0	7.5	12.0	13.6	13.6	18.1	19.6	22.5	24.1	24.1
85°	1.5	3.0	3.0	4.5	7.5	9.0	10.5	12.0	13.6	13.6	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: P249065

CATALOG NUMBER: LD8B70D010 ER8B709727 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	3079.4	3079.4	3079.4	3079.4	3079.4	3079.4	3079.4
2.5°	3052.3	3053.8	3047.8	3046.3	3043.3	3044.8	3047.8
5°	2996.7	2998.2	2992.2	2986.2	2986.2	2984.6	2986.2
7.5°	2944.0	2945.6	2936.5	2933.5	2927.5	2929.0	2929.0
10°	2891.4	2891.4	2877.9	2876.4	2871.8	2870.4	2870.4
12.5°	2840.3	2835.8	2825.2	2819.2	2822.3	2813.2	2813.2
15°	2795.2	2787.7	2774.1	2769.6	2762.1	2759.1	2759.1
17.5°	2748.6	2742.6	2730.6	2721.5	2712.5	2711.0	2712.5
20°	2703.4	2697.4	2682.4	2676.4	2668.9	2668.9	2665.9
22.5°	2658.3	2652.3	2638.8	2634.3	2623.8	2623.8	2625.3
25°	2611.7	2607.2	2592.2	2589.2	2587.7	2581.6	2584.7
27.5°	2548.6	2545.6	2533.6	2529.0	2523.0	2521.6	2524.5
30°	2432.8	2428.3	2419.3	2414.8	2404.3	2405.8	2408.7
32.5°	2288.5	2282.5	2270.4	2265.9	2256.9	2253.9	2255.4
35°	2108.1	2103.6	2093.0	2093.0	2084.0	2081.0	2084.0
37.5°	1924.6	1929.1	1924.6	1929.1	1924.6	1923.1	1924.6
40°	1751.7	1768.2	1771.2	1787.8	1781.8	1790.8	1789.3
42.5°	1586.3	1613.3	1623.9	1637.4	1634.4	1640.4	1645.0
45°	1419.4	1442.0	1452.5	1461.5	1463.0	1466.0	1467.5
47.5°	1261.5	1279.6	1281.0	1291.6	1290.1	1290.1	1294.6
50°	1114.2	1126.2	1129.2	1136.7	1130.7	1127.7	1129.2
52.5°	977.4	989.4	986.3	989.4	981.9	978.8	980.3
55°	837.5	843.5	843.5	843.5	834.5	834.5	834.5
57.5°	694.6	696.2	693.2	694.6	693.2	684.1	682.6
60°	563.9	563.9	562.3	563.9	559.4	554.8	554.8
62.5°	440.5	443.6	449.6	443.6	440.5	443.6	439.0
65°	329.3	335.3	333.8	336.8	335.3	335.3	332.3
67.5°	248.1	249.6	251.1	252.6	252.6	252.6	252.6
70°	182.0	186.5	184.9	184.9	184.9	184.9	194.0
72.5°	121.8	127.8	126.3	129.3	129.3	132.3	129.3
75°	82.7	88.7	85.7	90.2	88.7	85.7	93.2
77.5°	55.6	58.7	60.2	61.6	60.2	58.7	60.2
80°	39.1	42.1	40.6	42.1	42.1	42.1	43.6
82.5°	24.1	28.6	27.0	28.6	27.0	28.6	28.6
85°	16.5	18.1	15.0	18.1	16.5	16.5	19.6
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)