

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: P249066

Luminaire Tested: **LD8B80D010 ER8B809727 8LBSW0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P249066
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: LD8B80D010 ER8B809727 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: 5767.0 lumens
Efficiency: N/A
Efficacy: 77.5 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

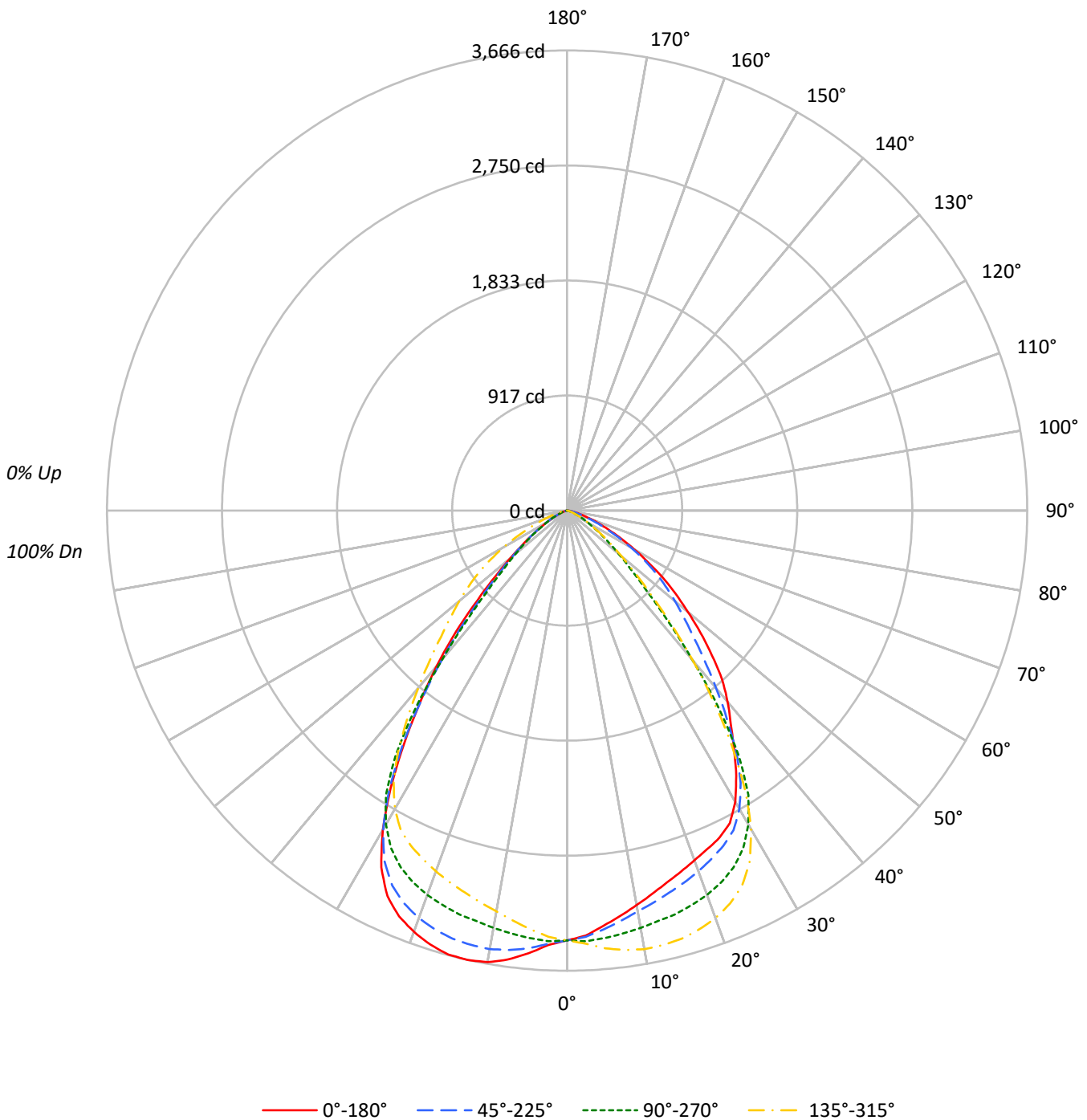
Input Watts (W): 74.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P249066

CATALOG NUMBER: LD8B80D010 ER8B809727 8LBSW0MW

Luminous Intensity Polar Plot





TEST NUMBER: P249066

CATALOG NUMBER: LD8B80D010 ER8B809727 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: P249066

CATALOG NUMBER: LD8B80D010 ER8B809727 8LBSW0MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	325.9	5.7
10°-20°	943.7	16.4
20°-30°	1428.9	24.8
30°-40°	1432.1	24.8
40°-50°	899.3	15.6
50°-60°	479.2	8.3
60°-70°	197.1	3.4
70°-80°	52.1	0.9
80°-90°	8.8	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°	2698.4	46.8
0°-40°	4130.5	71.6
0°-60°	5509.1	95.5
0°-90°	5767.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5767.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3424	3424	3424	3424	3424	
5°	3320	3419	3541	3419	3320	313
15°	3068	3330	3661	3330	3068	868
25°	2874	3136	3389	3136	2874	1318
35°	2317	2382	2260	2382	2317	1452
45°	1632	873	1010	873	1632	1255
55°	928	323	341	323	928	827
65°	369	99	90	99	369	383
75°	104	20	17	20	104	117
85°	22	0	2	0	22	24
90°	0	0	0	0	0	



TEST NUMBER: P249066

CATALOG NUMBER: LD8B80D010 ER8B809727 8LBSW0MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	3423.7	3423.7	3423.7	3423.7	3423.7	3423.7	3423.7	3423.7	3423.7	3423.7	3423.7
2.5°	3388.6	3385.2	3383.6	3386.9	3388.6	3395.3	3393.6	3396.9	3396.9	3398.6	3401.9
5°	3320.1	3318.3	3320.1	3320.1	3326.7	3333.4	3331.8	3336.8	3340.1	3348.5	3351.8
7.5°	3256.5	3256.5	3254.8	3261.5	3264.9	3274.9	3273.2	3281.6	3286.6	3294.9	3306.6
10°	3191.3	3191.3	3193.0	3198.0	3199.7	3214.7	3214.7	3226.4	3233.1	3241.5	3256.5
12.5°	3127.8	3127.8	3137.9	3134.5	3141.2	3152.9	3157.9	3169.6	3179.6	3196.3	3211.4
15°	3067.6	3067.6	3071.0	3079.3	3084.3	3099.4	3107.7	3121.1	3132.8	3149.5	3171.3
17.5°	3015.8	3014.1	3015.8	3025.8	3035.9	3049.2	3055.9	3072.6	3084.3	3106.1	3126.2
20°	2964.0	2967.3	2967.3	2975.7	2982.3	2999.1	3005.7	3024.2	3037.5	3057.5	3081.0
22.5°	2918.8	2917.2	2917.2	2928.9	2933.9	2948.9	2955.6	2972.3	2987.4	3004.1	3025.8
25°	2873.7	2870.3	2877.1	2878.7	2882.0	2898.7	2903.8	2915.5	2930.5	2945.6	2967.3
27.5°	2806.8	2803.5	2805.2	2811.8	2816.9	2830.2	2833.6	2845.3	2857.0	2870.3	2888.8
30°	2678.1	2674.8	2673.1	2684.8	2689.8	2699.8	2704.8	2724.9	2728.2	2743.3	2756.6
32.5°	2507.6	2505.9	2509.3	2519.3	2524.3	2537.7	2544.4	2556.1	2564.4	2572.8	2586.1
35°	2317.0	2313.7	2317.0	2327.1	2327.1	2338.8	2343.8	2348.7	2347.1	2348.7	2345.4
37.5°	2139.8	2138.1	2139.8	2144.8	2139.8	2144.8	2139.8	2129.8	2111.4	2091.3	2071.2
40°	1989.4	1991.0	1981.0	1987.7	1969.3	1966.0	1947.6	1922.5	1885.7	1845.6	1788.8
42.5°	1828.9	1823.9	1817.2	1820.5	1805.5	1793.7	1763.7	1731.9	1685.1	1618.3	1549.7
45°	1631.6	1630.0	1626.6	1624.9	1614.9	1603.2	1578.1	1541.3	1489.5	1421.0	1339.0
47.5°	1439.4	1434.3	1434.3	1436.0	1424.3	1422.6	1402.5	1370.8	1325.7	1258.8	1173.5
50°	1255.4	1253.8	1257.1	1263.8	1255.4	1252.1	1238.8	1217.0	1176.9	1120.1	1039.8
52.5°	1089.9	1088.3	1091.7	1100.0	1096.6	1100.0	1086.6	1069.9	1043.2	988.0	917.8
55°	927.8	927.8	927.8	937.8	937.8	937.8	931.1	921.2	896.0	855.9	790.8
57.5°	759.0	760.6	770.7	772.3	770.7	774.0	772.3	762.3	745.6	717.2	667.0
60°	616.9	616.9	621.9	626.9	625.2	626.9	626.9	621.9	605.2	581.8	541.7
62.5°	488.1	493.2	489.8	493.2	499.8	493.2	489.8	486.5	474.8	459.7	426.3
65°	369.4	372.8	372.8	374.5	371.1	372.8	366.1	361.1	354.4	337.7	316.0
67.5°	280.9	280.9	280.9	280.9	279.2	277.5	275.9	270.8	259.1	252.5	229.0
70°	215.6	205.6	205.6	205.6	205.6	207.3	202.3	195.6	192.3	180.6	163.8
72.5°	143.7	147.1	143.7	143.7	140.4	142.1	135.4	132.0	128.7	122.1	112.0
75°	103.6	95.3	98.6	100.3	95.3	98.6	91.9	85.3	85.3	80.2	75.2
77.5°	66.9	65.2	66.9	68.5	66.9	65.2	61.9	58.5	58.5	56.8	51.8
80°	48.5	46.8	46.8	46.8	45.1	46.8	43.5	43.5	40.1	38.5	35.1
82.5°	31.8	31.8	30.1	31.8	30.1	31.8	26.8	26.8	26.8	25.0	21.7
85°	21.7	18.4	18.4	20.1	16.7	20.1	18.4	16.7	15.1	15.1	13.3
87.5°	10.0	11.7	10.0	11.7	10.0	10.0	11.7	10.0	10.0	6.7	6.7
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: P249066

CATALOG NUMBER: LD8B80D010 ER8B809727 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	3423.7	3423.7	3423.7	3423.7	3423.7	3423.7	3423.7	3423.7	3423.7	3423.7	3423.7
2.5°	3407.0	3408.6	3408.6	3415.4	3418.7	3420.3	3420.3	3433.7	3428.7	3432.1	3435.4
5°	3358.5	3368.5	3371.9	3371.9	3390.2	3396.9	3403.6	3418.7	3420.3	3430.4	3442.1
7.5°	3311.7	3323.4	3330.1	3345.1	3356.8	3368.5	3388.6	3398.6	3408.6	3422.0	3437.0
10°	3266.5	3279.9	3293.3	3305.0	3323.4	3338.4	3351.8	3375.2	3386.9	3405.3	3425.3
12.5°	3223.1	3241.5	3253.2	3273.2	3293.3	3306.6	3326.7	3348.5	3366.8	3385.2	3408.6
15°	3184.6	3206.4	3219.7	3241.5	3263.2	3281.6	3303.3	3330.1	3343.5	3365.2	3386.9
17.5°	3142.8	3166.3	3183.0	3203.0	3229.8	3249.8	3268.2	3294.9	3311.7	3335.1	3360.2
20°	3099.4	3122.8	3142.8	3162.9	3189.7	3209.7	3231.4	3258.2	3276.6	3300.0	3320.1
22.5°	3047.6	3069.3	3091.0	3114.4	3141.2	3157.9	3183.0	3206.4	3226.4	3248.2	3268.2
25°	2980.7	3007.5	3024.2	3045.9	3067.6	3086.0	3112.7	3136.1	3152.9	3172.9	3191.3
27.5°	2902.1	2922.2	2935.6	2953.9	2975.7	2992.4	3012.4	3035.9	3052.6	3071.0	3084.3
30°	2768.3	2786.8	2798.5	2811.8	2833.6	2848.6	2865.4	2887.0	2898.7	2912.2	2923.9
32.5°	2592.8	2607.9	2614.6	2624.6	2639.7	2654.7	2668.1	2686.5	2691.5	2699.8	2699.8
35°	2338.8	2342.1	2340.4	2343.8	2350.5	2358.8	2370.5	2382.2	2388.9	2388.9	2383.9
37.5°	2041.2	2021.1	1999.4	1982.7	1977.7	1974.3	1981.0	1986.0	1992.7	1996.0	1987.7
40°	1731.9	1686.8	1638.3	1594.8	1564.7	1551.4	1546.4	1549.7	1549.7	1561.4	1561.4
42.5°	1466.1	1395.9	1324.0	1258.8	1215.3	1181.9	1166.9	1166.9	1168.5	1176.9	1181.9
45°	1245.5	1156.8	1073.2	1001.4	941.2	897.7	877.7	872.6	871.0	874.3	886.0
47.5°	1076.6	984.7	897.7	809.1	745.6	702.1	683.8	677.0	670.3	677.0	678.7
50°	944.5	849.2	757.3	668.7	601.8	563.3	539.9	529.9	528.3	528.3	531.6
52.5°	824.1	735.6	643.6	553.4	483.1	446.4	424.6	419.6	412.9	419.6	419.6
55°	710.5	621.9	531.6	446.4	387.8	349.4	329.3	322.6	319.3	324.3	324.3
57.5°	586.8	511.5	428.0	351.1	292.6	265.8	250.7	242.4	240.7	244.1	240.7
60°	481.5	417.9	346.0	275.9	230.7	202.3	190.6	187.2	183.9	187.2	187.2
62.5°	381.1	327.7	269.1	215.6	177.2	157.2	143.7	143.7	142.1	142.1	143.7
65°	282.5	240.7	198.9	153.8	123.7	108.7	98.6	98.6	97.0	98.6	97.0
67.5°	205.6	177.2	143.7	112.0	88.6	80.2	73.6	68.5	71.9	68.5	66.9
70°	150.5	127.0	103.6	85.3	68.5	60.2	55.2	53.5	50.2	50.2	50.2
72.5°	100.3	85.3	70.2	55.2	45.1	36.7	35.1	31.8	28.4	30.1	33.4
75°	66.9	56.8	50.2	40.1	30.1	30.1	20.1	20.1	16.7	20.1	15.1
77.5°	46.8	38.5	30.1	25.0	20.1	18.4	13.3	13.3	11.7	11.7	11.7
80°	33.4	28.4	21.7	18.4	13.3	13.3	11.7	10.0	8.3	8.3	10.0
82.5°	20.1	15.1	15.1	13.3	8.3	6.7	5.0	6.7	3.4	3.4	3.4
85°	11.7	10.0	8.3	5.0	3.4	3.4	1.7	0.0	1.7	1.7	0.0
87.5°	6.7	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: P249066

CATALOG NUMBER: LD8B80D010 ER8B809727 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	3423.7	3423.7	3423.7	3423.7	3423.7	3423.7	3423.7	3423.7	3423.7	3423.7	3423.7
2.5°	3443.8	3442.1	3445.4	3445.4	3455.5	3453.8	3458.8	3458.8	3455.5	3457.1	3463.8
5°	3455.5	3460.5	3470.5	3478.9	3493.9	3500.6	3508.9	3517.3	3519.0	3524.0	3529.0
7.5°	3455.5	3472.2	3483.9	3498.9	3519.0	3530.7	3549.1	3564.1	3570.8	3579.1	3589.2
10°	3448.7	3465.5	3487.2	3503.9	3529.0	3547.4	3565.8	3589.2	3599.2	3612.6	3626.0
12.5°	3435.4	3453.8	3477.2	3498.9	3527.3	3544.0	3567.4	3589.2	3604.2	3622.6	3637.7
15°	3415.4	3437.0	3458.8	3480.5	3510.6	3530.7	3552.4	3577.5	3592.5	3612.6	3626.0
17.5°	3383.6	3407.0	3427.1	3447.1	3475.5	3498.9	3519.0	3542.4	3557.5	3574.2	3592.5
20°	3345.1	3366.8	3388.6	3405.3	3433.7	3453.8	3475.5	3497.2	3508.9	3512.3	3540.7
22.5°	3296.7	3311.7	3328.4	3355.2	3371.9	3390.2	3410.3	3430.4	3442.1	3460.5	3470.5
25°	3216.4	3231.4	3249.8	3261.5	3281.6	3296.7	3316.7	3338.4	3345.1	3358.5	3368.5
27.5°	3104.4	3112.7	3121.1	3131.1	3142.8	3151.2	3162.9	3172.9	3179.6	3186.3	3193.0
30°	2927.2	2927.2	2927.2	2920.5	2925.5	2930.5	2932.2	2930.5	2930.5	2928.9	2928.9
32.5°	2693.1	2679.8	2664.7	2651.4	2646.3	2639.7	2636.3	2631.3	2622.9	2617.9	2619.6
35°	2377.2	2347.1	2328.7	2312.0	2298.7	2288.6	2283.6	2278.6	2276.9	2270.2	2263.5
37.5°	1982.7	1960.9	1947.6	1937.5	1925.8	1915.8	1917.4	1919.2	1924.1	1920.8	1922.5
40°	1564.7	1559.7	1564.7	1553.0	1549.7	1553.0	1561.4	1573.1	1579.8	1586.5	1598.2
42.5°	1190.3	1198.6	1210.4	1210.4	1215.3	1222.1	1232.0	1250.5	1260.5	1272.1	1285.6
45°	896.0	906.1	921.2	926.1	929.5	937.8	949.6	964.6	971.2	981.3	993.0
47.5°	690.4	697.1	705.4	713.8	722.2	725.5	737.2	737.2	745.6	752.3	755.6
50°	538.3	545.0	551.6	556.7	560.0	565.1	568.4	573.4	575.0	578.4	580.1
52.5°	421.3	429.6	429.6	432.9	438.0	443.0	441.3	443.0	444.6	444.6	449.7
55°	329.3	329.3	334.3	334.3	337.7	336.0	337.7	337.7	337.7	337.7	339.4
57.5°	245.7	247.4	252.5	249.1	247.4	250.7	247.4	250.7	249.1	252.5	247.4
60°	188.9	188.9	190.6	190.6	192.3	192.3	192.3	190.6	190.6	188.9	188.9
62.5°	142.1	143.7	145.5	143.7	143.7	143.7	142.1	142.1	140.4	138.7	138.7
65°	95.3	93.6	97.0	93.6	95.3	95.3	93.6	95.3	90.3	91.9	90.3
67.5°	68.5	66.9	65.2	66.9	65.2	63.5	63.5	65.2	66.9	61.9	61.9
70°	45.1	46.8	45.1	46.8	48.5	48.5	46.8	45.1	46.8	43.5	45.1
72.5°	28.4	28.4	28.4	28.4	28.4	30.1	30.1	30.1	26.8	26.8	25.0
75°	13.3	18.4	15.1	13.3	18.4	18.4	16.7	16.7	15.1	15.1	15.1
77.5°	13.3	10.0	10.0	10.0	10.0	10.0	10.0	10.0	8.3	10.0	8.3
80°	6.7	6.7	6.7	5.0	6.7	6.7	8.3	6.7	6.7	5.0	8.3
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: P249066

CATALOG NUMBER: LD8B80D010 ER8B809727 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3423.7	3423.7	3423.7	3423.7	3423.7	3423.7	3423.7	3423.7	3423.7	3423.7	3423.7
2.5°	3462.1	3460.5	3462.1	3463.8	3462.1	3460.5	3462.1	3463.8	3457.1	3455.5	3458.8
5°	3535.7	3535.7	3539.0	3540.7	3539.0	3535.7	3535.7	3529.0	3524.0	3519.0	3517.3
7.5°	3599.2	3602.6	3605.9	3607.5	3605.9	3602.6	3599.2	3589.2	3579.1	3570.8	3564.1
10°	3637.7	3642.7	3649.4	3652.7	3649.4	3642.7	3637.7	3626.0	3612.6	3599.2	3589.2
12.5°	3654.4	3659.4	3667.8	3666.1	3667.8	3659.4	3654.4	3637.7	3622.6	3604.2	3589.2
15°	3642.7	3649.4	3657.7	3661.1	3657.7	3649.4	3642.7	3626.0	3612.6	3592.5	3577.5
17.5°	3605.9	3615.9	3621.0	3626.0	3621.0	3615.9	3605.9	3592.5	3574.2	3557.5	3542.4
20°	3555.7	3562.5	3569.1	3570.8	3569.1	3562.5	3555.7	3540.7	3512.3	3508.9	3497.2
22.5°	3483.9	3488.9	3503.9	3498.9	3503.9	3488.9	3483.9	3470.5	3460.5	3442.1	3430.4
25°	3380.2	3385.2	3386.9	3388.6	3386.9	3385.2	3380.2	3368.5	3358.5	3345.1	3338.4
27.5°	3201.4	3201.4	3204.7	3206.4	3204.7	3201.4	3201.4	3193.0	3186.3	3179.6	3172.9
30°	2930.5	2930.5	2930.5	2938.9	2930.5	2930.5	2930.5	2928.9	2928.9	2930.5	2930.5
32.5°	2617.9	2614.6	2611.3	2614.6	2611.3	2614.6	2617.9	2619.6	2617.9	2622.9	2631.3
35°	2263.5	2261.8	2266.9	2260.2	2266.9	2261.8	2263.5	2263.5	2270.2	2276.9	2278.6
37.5°	1924.1	1920.8	1927.5	1920.8	1927.5	1920.8	1924.1	1922.5	1920.8	1924.1	1919.2
40°	1601.5	1604.8	1604.8	1618.3	1604.8	1604.8	1601.5	1598.2	1586.5	1579.8	1573.1
42.5°	1292.2	1302.3	1298.9	1309.0	1298.9	1302.3	1292.2	1285.6	1272.1	1260.5	1250.5
45°	999.7	1006.4	1006.4	1009.7	1006.4	1006.4	999.7	993.0	981.3	971.2	964.6
47.5°	767.3	767.3	767.3	769.0	767.3	767.3	767.3	755.6	752.3	745.6	737.2
50°	583.4	585.1	586.8	588.5	586.8	585.1	583.4	580.1	578.4	575.0	573.4
52.5°	448.0	449.7	446.4	449.7	446.4	449.7	448.0	449.7	444.6	444.6	443.0
55°	339.4	337.7	339.4	341.0	339.4	337.7	339.4	339.4	337.7	337.7	337.7
57.5°	249.1	245.7	245.7	245.7	245.7	245.7	249.1	247.4	252.5	249.1	250.7
60°	185.6	187.2	187.2	188.9	187.2	187.2	185.6	188.9	188.9	190.6	190.6
62.5°	137.1	142.1	138.7	142.1	138.7	142.1	137.1	138.7	138.7	140.4	142.1
65°	88.6	88.6	88.6	90.3	88.6	88.6	88.6	90.3	91.9	90.3	95.3
67.5°	60.2	61.9	65.2	63.5	65.2	61.9	60.2	61.9	61.9	66.9	65.2
70°	48.5	43.5	43.5	48.5	43.5	43.5	48.5	45.1	43.5	46.8	45.1
72.5°	28.4	25.0	28.4	28.4	28.4	25.0	28.4	25.0	26.8	26.8	30.1
75°	15.1	13.3	11.7	16.7	11.7	13.3	15.1	15.1	15.1	15.1	16.7
77.5°	10.0	8.3	11.7	11.7	11.7	8.3	10.0	8.3	10.0	8.3	10.0
80°	5.0	6.7	5.0	8.3	5.0	6.7	5.0	8.3	5.0	6.7	6.7
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: P249066

CATALOG NUMBER: LD8B80D010 ER8B809727 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3423.7	3423.7	3423.7	3423.7	3423.7	3423.7	3423.7	3423.7	3423.7	3423.7	3423.7
2.5°	3458.8	3453.8	3455.5	3445.4	3445.4	3442.1	3443.8	3435.4	3432.1	3428.7	3433.7
5°	3508.9	3500.6	3493.9	3478.9	3470.5	3460.5	3455.5	3442.1	3430.4	3420.3	3418.7
7.5°	3549.1	3530.7	3519.0	3498.9	3483.9	3472.2	3455.5	3437.0	3422.0	3408.6	3398.6
10°	3565.8	3547.4	3529.0	3503.9	3487.2	3465.5	3448.7	3425.3	3405.3	3386.9	3375.2
12.5°	3567.4	3544.0	3527.3	3498.9	3477.2	3453.8	3435.4	3408.6	3385.2	3366.8	3348.5
15°	3552.4	3530.7	3510.6	3480.5	3458.8	3437.0	3415.4	3386.9	3365.2	3343.5	3330.1
17.5°	3519.0	3498.9	3475.5	3447.1	3427.1	3407.0	3383.6	3360.2	3335.1	3311.7	3294.9
20°	3475.5	3453.8	3433.7	3405.3	3388.6	3366.8	3345.1	3320.1	3300.0	3276.6	3258.2
22.5°	3410.3	3390.2	3371.9	3355.2	3328.4	3311.7	3296.7	3268.2	3248.2	3226.4	3206.4
25°	3316.7	3296.7	3281.6	3261.5	3249.8	3231.4	3216.4	3191.3	3172.9	3152.9	3136.1
27.5°	3162.9	3151.2	3142.8	3131.1	3121.1	3112.7	3104.4	3084.3	3071.0	3052.6	3035.9
30°	2932.2	2930.5	2925.5	2920.5	2927.2	2927.2	2927.2	2923.9	2912.2	2898.7	2887.0
32.5°	2636.3	2639.7	2646.3	2651.4	2664.7	2679.8	2693.1	2699.8	2699.8	2691.5	2686.5
35°	2283.6	2288.6	2298.7	2312.0	2328.7	2347.1	2377.2	2383.9	2388.9	2388.9	2382.2
37.5°	1917.4	1915.8	1925.8	1937.5	1947.6	1960.9	1982.7	1987.7	1996.0	1992.7	1986.0
40°	1561.4	1553.0	1549.7	1553.0	1564.7	1559.7	1564.7	1561.4	1561.4	1549.7	1549.7
42.5°	1232.0	1222.1	1215.3	1210.4	1210.4	1198.6	1190.3	1181.9	1176.9	1168.5	1166.9
45°	949.6	937.8	929.5	926.1	921.2	906.1	896.0	886.0	874.3	871.0	872.6
47.5°	737.2	725.5	722.2	713.8	705.4	697.1	690.4	678.7	677.0	670.3	677.0
50°	568.4	565.1	560.0	556.7	551.6	545.0	538.3	531.6	528.3	528.3	529.9
52.5°	441.3	443.0	438.0	432.9	429.6	429.6	421.3	419.6	419.6	412.9	419.6
55°	337.7	336.0	337.7	334.3	334.3	329.3	329.3	324.3	324.3	319.3	322.6
57.5°	247.4	250.7	247.4	249.1	252.5	247.4	245.7	240.7	244.1	240.7	242.4
60°	192.3	192.3	192.3	190.6	190.6	188.9	188.9	187.2	187.2	183.9	187.2
62.5°	142.1	143.7	143.7	143.7	145.5	143.7	142.1	143.7	142.1	142.1	143.7
65°	93.6	95.3	95.3	93.6	97.0	93.6	95.3	97.0	98.6	97.0	98.6
67.5°	63.5	63.5	65.2	66.9	65.2	66.9	68.5	66.9	68.5	71.9	68.5
70°	46.8	48.5	48.5	46.8	45.1	46.8	45.1	50.2	50.2	50.2	53.5
72.5°	30.1	30.1	28.4	28.4	28.4	28.4	28.4	33.4	30.1	28.4	31.8
75°	16.7	18.4	18.4	13.3	15.1	18.4	13.3	15.1	20.1	16.7	20.1
77.5°	10.0	10.0	10.0	10.0	10.0	10.0	13.3	11.7	11.7	11.7	13.3
80°	8.3	6.7	6.7	5.0	6.7	6.7	6.7	10.0	8.3	8.3	10.0
82.5°	3.4	3.4	1.7	0.0	3.4	3.4	3.4	3.4	3.4	3.4	6.7
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: P249066

CATALOG NUMBER: LD8B80D010 ER8B809727 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3423.7	3423.7	3423.7	3423.7	3423.7	3423.7	3423.7	3423.7	3423.7	3423.7	3423.7
2.5°	3420.3	3420.3	3418.7	3415.4	3408.6	3408.6	3407.0	3401.9	3398.6	3396.9	3396.9
5°	3403.6	3396.9	3390.2	3371.9	3371.9	3368.5	3358.5	3351.8	3348.5	3340.1	3336.8
7.5°	3388.6	3368.5	3356.8	3345.1	3330.1	3323.4	3311.7	3306.6	3294.9	3286.6	3281.6
10°	3351.8	3338.4	3323.4	3305.0	3293.3	3279.9	3266.5	3256.5	3241.5	3233.1	3226.4
12.5°	3326.7	3306.6	3293.3	3273.2	3253.2	3241.5	3223.1	3211.4	3196.3	3179.6	3169.6
15°	3303.3	3281.6	3263.2	3241.5	3219.7	3206.4	3184.6	3171.3	3149.5	3132.8	3121.1
17.5°	3268.2	3249.8	3229.8	3203.0	3183.0	3166.3	3142.8	3126.2	3106.1	3084.3	3072.6
20°	3231.4	3209.7	3189.7	3162.9	3142.8	3122.8	3099.4	3081.0	3057.5	3037.5	3024.2
22.5°	3183.0	3157.9	3141.2	3114.4	3091.0	3069.3	3047.6	3025.8	3004.1	2987.4	2972.3
25°	3112.7	3086.0	3067.6	3045.9	3024.2	3007.5	2980.7	2967.3	2945.6	2930.5	2915.5
27.5°	3012.4	2992.4	2975.7	2953.9	2935.6	2922.2	2902.1	2888.8	2870.3	2857.0	2845.3
30°	2865.4	2848.6	2833.6	2811.8	2798.5	2786.8	2768.3	2756.6	2743.3	2728.2	2724.9
32.5°	2668.1	2654.7	2639.7	2624.6	2614.6	2607.9	2592.8	2586.1	2572.8	2564.4	2556.1
35°	2370.5	2358.8	2350.5	2343.8	2340.4	2342.1	2338.8	2345.4	2348.7	2347.1	2348.7
37.5°	1981.0	1974.3	1977.7	1982.7	1999.4	2021.1	2041.2	2071.2	2091.3	2111.4	2129.8
40°	1546.4	1551.4	1564.7	1594.8	1638.3	1686.8	1731.9	1788.8	1845.6	1885.7	1922.5
42.5°	1166.9	1181.9	1215.3	1258.8	1324.0	1395.9	1466.1	1549.7	1618.3	1685.1	1731.9
45°	877.7	897.7	941.2	1001.4	1073.2	1156.8	1245.5	1339.0	1421.0	1489.5	1541.3
47.5°	683.8	702.1	745.6	809.1	897.7	984.7	1076.6	1173.5	1258.8	1325.7	1370.8
50°	539.9	563.3	601.8	668.7	757.3	849.2	944.5	1039.8	1120.1	1176.9	1217.0
52.5°	424.6	446.4	483.1	553.4	643.6	735.6	824.1	917.8	988.0	1043.2	1069.9
55°	329.3	349.4	387.8	446.4	531.6	621.9	710.5	790.8	855.9	896.0	921.2
57.5°	250.7	265.8	292.6	351.1	428.0	511.5	586.8	667.0	717.2	745.6	762.3
60°	190.6	202.3	230.7	275.9	346.0	417.9	481.5	541.7	581.8	605.2	621.9
62.5°	143.7	157.2	177.2	215.6	269.1	327.7	381.1	426.3	459.7	474.8	486.5
65°	98.6	108.7	123.7	153.8	198.9	240.7	282.5	316.0	337.7	354.4	361.1
67.5°	73.6	80.2	88.6	112.0	143.7	177.2	205.6	229.0	252.5	259.1	270.8
70°	55.2	60.2	68.5	85.3	103.6	127.0	150.5	163.8	180.6	192.3	195.6
72.5°	35.1	36.7	45.1	55.2	70.2	85.3	100.3	112.0	122.1	128.7	132.0
75°	20.1	30.1	30.1	40.1	50.2	56.8	66.9	75.2	80.2	85.3	85.3
77.5°	13.3	18.4	20.1	25.0	30.1	38.5	46.8	51.8	56.8	58.5	58.5
80°	11.7	13.3	13.3	18.4	21.7	28.4	33.4	35.1	38.5	40.1	43.5
82.5°	5.0	6.7	8.3	13.3	15.1	15.1	20.1	21.7	25.0	26.8	26.8
85°	1.7	3.4	3.4	5.0	8.3	10.0	11.7	13.3	15.1	15.1	16.7
87.5°	1.7	1.7	0.0	1.7	3.4	3.4	6.7	6.7	6.7	10.0	10.0
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: P249066

CATALOG NUMBER: LD8B80D010 ER8B809727 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	3423.7	3423.7	3423.7	3423.7	3423.7	3423.7	3423.7
2.5°	3393.6	3395.3	3388.6	3386.9	3383.6	3385.2	3388.6
5°	3331.8	3333.4	3326.7	3320.1	3320.1	3318.3	3320.1
7.5°	3273.2	3274.9	3264.9	3261.5	3254.8	3256.5	3256.5
10°	3214.7	3214.7	3199.7	3198.0	3193.0	3191.3	3191.3
12.5°	3157.9	3152.9	3141.2	3134.5	3137.9	3127.8	3127.8
15°	3107.7	3099.4	3084.3	3079.3	3071.0	3067.6	3067.6
17.5°	3055.9	3049.2	3035.9	3025.8	3015.8	3014.1	3015.8
20°	3005.7	2999.1	2982.3	2975.7	2967.3	2967.3	2964.0
22.5°	2955.6	2948.9	2933.9	2928.9	2917.2	2917.2	2918.8
25°	2903.8	2898.7	2882.0	2878.7	2877.1	2870.3	2873.7
27.5°	2833.6	2830.2	2816.9	2811.8	2805.2	2803.5	2806.8
30°	2704.8	2699.8	2689.8	2684.8	2673.1	2674.8	2678.1
32.5°	2544.4	2537.7	2524.3	2519.3	2509.3	2505.9	2507.6
35°	2343.8	2338.8	2327.1	2327.1	2317.0	2313.7	2317.0
37.5°	2139.8	2144.8	2139.8	2144.8	2139.8	2138.1	2139.8
40°	1947.6	1966.0	1969.3	1987.7	1981.0	1991.0	1989.4
42.5°	1763.7	1793.7	1805.5	1820.5	1817.2	1823.9	1828.9
45°	1578.1	1603.2	1614.9	1624.9	1626.6	1630.0	1631.6
47.5°	1402.5	1422.6	1424.3	1436.0	1434.3	1434.3	1439.4
50°	1238.8	1252.1	1255.4	1263.8	1257.1	1253.8	1255.4
52.5°	1086.6	1100.0	1096.6	1100.0	1091.7	1088.3	1089.9
55°	931.1	937.8	937.8	937.8	927.8	927.8	927.8
57.5°	772.3	774.0	770.7	772.3	770.7	760.6	759.0
60°	626.9	626.9	625.2	626.9	621.9	616.9	616.9
62.5°	489.8	493.2	499.8	493.2	489.8	493.2	488.1
65°	366.1	372.8	371.1	374.5	372.8	372.8	369.4
67.5°	275.9	277.5	279.2	280.9	280.9	280.9	280.9
70°	202.3	207.3	205.6	205.6	205.6	205.6	215.6
72.5°	135.4	142.1	140.4	143.7	143.7	147.1	143.7
75°	91.9	98.6	95.3	100.3	98.6	95.3	103.6
77.5°	61.9	65.2	66.9	68.5	66.9	65.2	66.9
80°	43.5	46.8	45.1	46.8	46.8	46.8	48.5
82.5°	26.8	31.8	30.1	31.8	30.1	31.8	31.8
85°	18.4	20.1	16.7	20.1	18.4	18.4	21.7
87.5°	11.7	10.0	10.0	11.7	10.0	11.7	10.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)