

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: P248742

Luminaire Tested: **LD8B80D010 ER8B809727 8LBSW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248742
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 8LBSW0WMH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
97 CRI 2700 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5777.0 lumens
Efficiency: N/A
Efficacy: 77.6 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

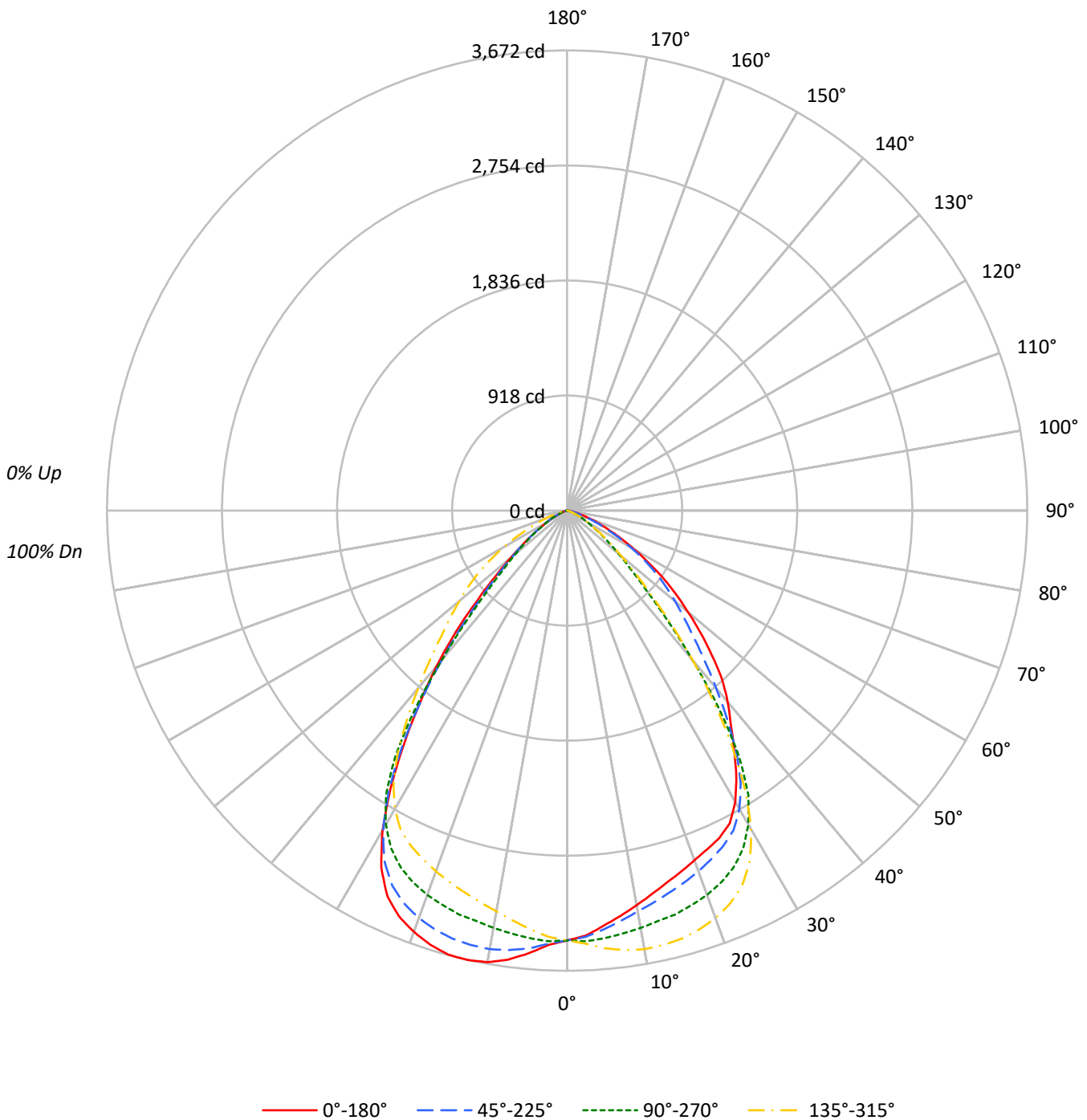
Input Watts (W): 74.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	326.4	5.7
10°-20°	945.3	16.4
20°-30°	1431.4	24.8
30°-40°	1434.6	24.8
40°-50°	900.8	15.6
50°-60°	480.1	8.3
60°-70°	197.4	3.4
70°-80°	52.2	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°	2703.1	46.8
0°-40°	4137.7	71.6
0°-60°	5518.6	95.5
0°-90°	5777.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5777.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3430	3430	3430	3430	3430	
5°	3326	3425	3547	3425	3326	314
15°	3073	3336	3667	3336	3073	869
25°	2879	3142	3394	3142	2879	1320
35°	2321	2386	2264	2386	2321	1454
45°	1634	874	1012	874	1634	1257
55°	929	323	342	323	929	829
65°	370	99	90	99	370	384
75°	104	20	17	20	104	118
85°	22	0	2	0	22	24
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°	3429.6	3429.6	3429.6	3429.6	3429.6	3429.6	3429.6	3429.6	3429.6	3429.6	3429.6
2.5°	3394.5	3391.1	3389.4	3392.8	3394.5	3401.2	3399.5	3402.8	3402.8	3404.5	3407.8
5°	3325.8	3324.1	3325.8	3325.8	3332.5	3339.2	3337.5	3342.6	3345.9	3354.3	3357.6
7.5°	3262.2	3262.2	3260.5	3267.2	3270.5	3280.6	3278.9	3287.3	3292.3	3300.7	3312.4
10°	3196.8	3196.8	3198.5	3203.5	3205.3	3220.3	3220.3	3232.0	3238.7	3247.1	3262.2
12.5°	3133.2	3133.2	3143.3	3139.9	3146.6	3158.3	3163.3	3175.1	3185.1	3201.9	3217.0
15°	3072.9	3072.9	3076.3	3084.6	3089.7	3104.8	3113.1	3126.5	3138.3	3155.0	3176.8
17.5°	3021.0	3019.4	3021.0	3031.1	3041.1	3054.5	3061.2	3077.9	3089.7	3111.4	3131.6
20°	2969.1	2972.5	2972.5	2980.8	2987.5	3004.3	3010.9	3029.4	3042.8	3062.9	3086.4
22.5°	2923.9	2922.2	2922.2	2934.0	2939.0	2954.0	2960.7	2977.4	2992.5	3009.3	3031.1
25°	2878.7	2875.3	2882.1	2883.7	2887.0	2903.8	2908.8	2920.5	2935.6	2950.7	2972.5
27.5°	2811.7	2808.4	2810.0	2816.7	2821.7	2835.1	2838.5	2850.2	2861.9	2875.3	2893.8
30°	2682.7	2679.4	2677.7	2689.5	2694.5	2704.5	2709.5	2729.6	2733.0	2748.1	2761.4
32.5°	2511.9	2510.2	2513.6	2523.6	2528.7	2542.1	2548.8	2560.5	2568.8	2577.2	2590.6
35°	2321.0	2317.7	2321.0	2331.1	2331.1	2342.8	2347.9	2352.8	2351.2	2352.8	2349.5
37.5°	2143.5	2141.8	2143.5	2148.5	2143.5	2148.5	2143.5	2133.5	2115.1	2095.0	2074.8
40°	1992.8	1994.5	1984.5	1991.1	1972.7	1969.4	1951.0	1925.8	1889.0	1848.8	1791.9
42.5°	1832.1	1827.0	1820.3	1823.6	1808.6	1796.8	1766.7	1734.9	1688.0	1621.1	1552.3
45°	1634.4	1632.8	1629.4	1627.8	1617.7	1606.0	1580.8	1544.0	1492.1	1423.4	1341.4
47.5°	1441.9	1436.8	1436.8	1438.5	1426.8	1425.1	1405.0	1373.2	1328.0	1261.0	1175.6
50°	1257.6	1256.0	1259.3	1266.0	1257.6	1254.3	1240.9	1219.1	1179.0	1122.0	1041.6
52.5°	1091.8	1090.2	1093.6	1101.9	1098.5	1101.9	1088.5	1071.8	1045.0	989.7	919.4
55°	929.4	929.4	929.4	939.4	939.4	939.4	932.7	922.8	897.6	857.4	792.1
57.5°	760.3	761.9	772.0	773.7	772.0	775.4	773.7	763.6	746.9	718.4	668.2
60°	617.9	617.9	623.0	628.0	626.3	628.0	628.0	623.0	606.2	582.8	542.6
62.5°	489.0	494.0	490.6	494.0	500.7	494.0	490.6	487.3	475.6	460.5	427.0
65°	370.1	373.5	373.5	375.1	371.7	373.5	366.8	361.7	355.1	338.3	316.5
67.5°	281.4	281.4	281.4	281.4	279.6	278.0	276.3	271.3	259.6	252.9	229.4
70°	216.0	206.0	206.0	206.0	206.0	207.7	202.7	196.0	192.6	180.9	164.1
72.5°	144.0	147.4	144.0	144.0	140.7	142.3	135.7	132.3	129.0	122.3	112.2
75°	103.8	95.5	98.8	100.5	95.5	98.8	92.1	85.4	85.4	80.4	75.3
77.5°	67.0	65.3	67.0	68.7	67.0	65.3	62.0	58.6	58.6	56.9	51.9
80°	48.6	46.9	46.9	46.9	45.2	46.9	43.6	43.6	40.2	38.5	35.2
82.5°	31.8	31.8	30.1	31.8	30.1	31.8	26.8	26.8	26.8	25.1	21.8
85°	21.8	18.4	18.4	20.1	16.7	20.1	18.4	16.7	15.1	15.1	13.4
87.5°	10.1	11.7	10.1	11.7	10.1	10.1	11.7	10.1	10.1	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



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	3429.6	3429.6	3429.6	3429.6	3429.6	3429.6	3429.6	3429.6	3429.6	3429.6	3429.6
2.5°	3412.9	3414.5	3414.5	3421.3	3424.6	3426.2	3426.2	3439.7	3434.7	3438.0	3441.3
5°	3364.3	3374.3	3377.7	3377.7	3396.1	3402.8	3409.5	3424.6	3426.2	3436.3	3448.0
7.5°	3317.4	3329.1	3335.9	3350.9	3362.6	3374.3	3394.5	3404.5	3414.5	3428.0	3443.0
10°	3272.2	3285.6	3299.0	3310.7	3329.1	3344.2	3357.6	3381.0	3392.8	3411.2	3431.3
12.5°	3228.7	3247.1	3258.8	3278.9	3299.0	3312.4	3332.5	3354.3	3372.7	3391.1	3414.5
15°	3190.2	3211.9	3225.3	3247.1	3268.9	3287.3	3309.1	3335.9	3349.3	3371.0	3392.8
17.5°	3148.3	3171.8	3188.5	3208.6	3235.4	3255.4	3273.9	3300.7	3317.4	3340.8	3366.0
20°	3104.8	3128.2	3148.3	3168.4	3195.2	3215.3	3237.0	3263.8	3282.3	3305.7	3325.8
22.5°	3052.9	3074.6	3096.4	3119.8	3146.6	3163.3	3188.5	3211.9	3232.0	3253.8	3273.9
25°	2985.9	3012.7	3029.4	3051.1	3072.9	3091.3	3118.1	3141.6	3158.3	3178.4	3196.8
27.5°	2907.1	2927.3	2940.6	2959.0	2980.8	2997.6	3017.6	3041.1	3057.9	3076.3	3089.7
30°	2773.1	2791.6	2803.3	2816.7	2838.5	2853.6	2870.3	2892.0	2903.8	2917.2	2928.9
32.5°	2597.3	2612.4	2619.1	2629.2	2644.2	2659.3	2672.7	2691.1	2696.2	2704.5	2704.5
35°	2342.8	2346.1	2344.5	2347.9	2354.5	2362.9	2374.6	2386.3	2393.0	2393.0	2388.0
37.5°	2044.7	2024.6	2002.9	1986.1	1981.1	1977.7	1984.5	1989.4	1996.2	1999.5	1991.1
40°	1734.9	1689.7	1641.1	1597.6	1567.4	1554.1	1549.0	1552.3	1552.3	1564.1	1564.1
42.5°	1468.7	1398.3	1326.3	1261.0	1217.4	1184.0	1168.9	1168.9	1170.5	1179.0	1184.0
45°	1247.6	1158.8	1075.1	1003.1	942.8	899.2	879.2	874.2	872.5	875.8	887.5
47.5°	1078.5	986.4	899.2	810.5	746.9	703.3	684.9	678.2	671.5	678.2	679.9
50°	946.2	850.7	758.6	669.9	602.9	564.3	540.9	530.8	529.2	529.2	532.5
52.5°	825.6	736.8	644.8	554.3	483.9	447.1	425.4	420.3	413.6	420.3	420.3
55°	711.7	623.0	532.5	447.1	388.5	350.0	329.9	323.2	319.8	324.9	324.9
57.5°	587.8	512.4	428.7	351.7	293.1	266.3	251.2	242.8	241.1	244.5	241.1
60°	482.3	418.7	346.6	276.3	231.1	202.7	190.9	187.6	184.2	187.6	187.6
62.5°	381.8	328.2	269.6	216.0	177.5	157.4	144.0	144.0	142.3	142.3	144.0
65°	283.0	241.1	199.3	154.1	123.9	108.8	98.8	98.8	97.1	98.8	97.1
67.5°	206.0	177.5	144.0	112.2	88.8	80.4	73.7	68.7	72.0	68.7	67.0
70°	150.7	127.2	103.8	85.4	68.7	60.3	55.3	53.6	50.2	50.2	50.2
72.5°	100.5	85.4	70.3	55.3	45.2	36.8	35.2	31.8	28.5	30.1	33.5
75°	67.0	56.9	50.2	40.2	30.1	30.1	20.1	20.1	16.7	20.1	15.1
77.5°	46.9	38.5	30.1	25.1	20.1	18.4	13.4	13.4	11.7	11.7	11.7
80°	33.5	28.5	21.8	18.4	13.4	13.4	11.7	10.1	8.3	8.3	10.1
82.5°	20.1	15.1	15.1	13.4	8.3	6.7	5.0	6.7	3.4	3.4	3.4
85°	11.7	10.1	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



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	3429.6	3429.6	3429.6	3429.6	3429.6	3429.6	3429.6	3429.6	3429.6	3429.6	3429.6
2.5°	3449.7	3448.0	3451.4	3451.4	3461.5	3459.7	3464.8	3464.8	3461.5	3463.1	3469.8
5°	3461.5	3466.5	3476.5	3484.9	3499.9	3506.7	3515.0	3523.4	3525.1	3530.1	3535.2
7.5°	3461.5	3478.2	3489.9	3505.0	3525.1	3536.8	3555.2	3570.3	3577.0	3585.3	3595.4
10°	3454.7	3471.5	3493.2	3510.0	3535.2	3553.6	3572.0	3595.4	3605.5	3618.8	3632.3
12.5°	3441.3	3459.7	3483.2	3505.0	3533.4	3550.2	3573.6	3595.4	3610.5	3628.9	3644.0
15°	3421.3	3443.0	3464.8	3486.6	3516.7	3536.8	3558.6	3583.7	3598.8	3618.8	3632.3
17.5°	3389.4	3412.9	3433.0	3453.1	3481.5	3505.0	3525.1	3548.5	3563.6	3580.4	3598.8
20°	3350.9	3372.7	3394.5	3411.2	3439.7	3459.7	3481.5	3503.3	3515.0	3518.4	3546.9
22.5°	3302.4	3317.4	3334.2	3361.0	3377.7	3396.1	3416.2	3436.3	3448.0	3466.5	3476.5
25°	3221.9	3237.0	3255.4	3267.2	3287.3	3302.4	3322.4	3344.2	3350.9	3364.3	3374.3
27.5°	3109.8	3118.1	3126.5	3136.5	3148.3	3156.7	3168.4	3178.4	3185.1	3191.8	3198.5
30°	2932.2	2932.2	2932.2	2925.5	2930.6	2935.6	2937.3	2935.6	2935.6	2934.0	2934.0
32.5°	2697.8	2684.4	2669.3	2656.0	2650.9	2644.2	2640.9	2635.8	2627.5	2622.5	2624.1
35°	2381.3	2351.2	2332.8	2316.0	2302.6	2292.6	2287.5	2282.5	2280.9	2274.2	2267.4
37.5°	1986.1	1964.3	1951.0	1940.9	1929.2	1919.1	1920.8	1922.5	1927.5	1924.1	1925.8
40°	1567.4	1562.4	1567.4	1555.7	1552.3	1555.7	1564.1	1575.9	1582.5	1589.2	1600.9
42.5°	1192.3	1200.7	1212.5	1212.5	1217.4	1224.2	1234.2	1252.6	1262.6	1274.4	1287.8
45°	897.6	907.7	922.8	927.7	931.1	939.4	951.2	966.2	972.9	983.0	994.7
47.5°	691.6	698.3	706.7	715.1	723.4	726.8	738.5	738.5	746.9	753.6	756.9
50°	539.2	545.9	552.6	557.6	561.0	566.0	569.4	574.4	576.0	579.4	581.1
52.5°	422.0	430.4	430.4	433.7	438.7	443.8	442.1	443.8	445.4	445.4	450.4
55°	329.9	329.9	334.9	334.9	338.3	336.6	338.3	338.3	338.3	338.3	340.0
57.5°	246.1	247.9	252.9	249.5	247.9	251.2	247.9	251.2	249.5	252.9	247.9
60°	189.2	189.2	190.9	190.9	192.6	192.6	192.6	190.9	190.9	189.2	189.2
62.5°	142.3	144.0	145.7	144.0	144.0	144.0	142.3	142.3	140.7	139.0	139.0
65°	95.5	93.8	97.1	93.8	95.5	95.5	93.8	95.5	90.4	92.1	90.4
67.5°	68.7	67.0	65.3	67.0	65.3	63.6	63.6	65.3	67.0	62.0	62.0
70°	45.2	46.9	45.2	46.9	48.6	48.6	46.9	45.2	46.9	43.6	45.2
72.5°	28.5	28.5	28.5	28.5	28.5	30.1	30.1	30.1	26.8	26.8	25.1
75°	13.4	18.4	15.1	13.4	18.4	18.4	16.7	16.7	15.1	15.1	15.1
77.5°	13.4	10.1	10.1	10.1	10.1	10.1	10.1	10.1	8.3	10.1	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: P248742

CATALOG NUMBER: LD8B80D010 ER8B809727 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3429.6	3429.6	3429.6	3429.6	3429.6	3429.6	3429.6	3429.6	3429.6	3429.6	3429.6
2.5°	3468.2	3466.5	3468.2	3469.8	3468.2	3466.5	3468.2	3469.8	3463.1	3461.5	3464.8
5°	3541.8	3541.8	3545.1	3546.9	3545.1	3541.8	3541.8	3535.2	3530.1	3525.1	3523.4
7.5°	3605.5	3608.8	3612.1	3613.8	3612.1	3608.8	3605.5	3595.4	3585.3	3577.0	3570.3
10°	3644.0	3649.0	3655.7	3659.0	3655.7	3649.0	3644.0	3632.3	3618.8	3605.5	3595.4
12.5°	3660.7	3665.8	3674.1	3672.5	3674.1	3665.8	3660.7	3644.0	3628.9	3610.5	3595.4
15°	3649.0	3655.7	3664.0	3667.4	3664.0	3655.7	3649.0	3632.3	3618.8	3598.8	3583.7
17.5°	3612.1	3622.2	3627.2	3632.3	3627.2	3622.2	3612.1	3598.8	3580.4	3563.6	3548.5
20°	3561.9	3568.7	3575.3	3577.0	3575.3	3568.7	3561.9	3546.9	3518.4	3515.0	3503.3
22.5°	3489.9	3495.0	3510.0	3505.0	3510.0	3495.0	3489.9	3476.5	3466.5	3448.0	3436.3
25°	3386.1	3391.1	3392.8	3394.5	3392.8	3391.1	3386.1	3374.3	3364.3	3350.9	3344.2
27.5°	3206.9	3206.9	3210.2	3211.9	3210.2	3206.9	3206.9	3198.5	3191.8	3185.1	3178.4
30°	2935.6	2935.6	2935.6	2944.0	2935.6	2935.6	2935.6	2934.0	2934.0	2935.6	2935.6
32.5°	2622.5	2619.1	2615.8	2619.1	2615.8	2619.1	2622.5	2624.1	2622.5	2627.5	2635.8
35°	2267.4	2265.8	2270.8	2264.1	2270.8	2265.8	2267.4	2267.4	2274.2	2280.9	2282.5
37.5°	1927.5	1924.1	1930.8	1924.1	1930.8	1924.1	1927.5	1925.8	1924.1	1927.5	1922.5
40°	1604.3	1607.6	1607.6	1621.1	1607.6	1607.6	1604.3	1600.9	1589.2	1582.5	1575.9
42.5°	1294.5	1304.5	1301.2	1311.2	1301.2	1304.5	1294.5	1287.8	1274.4	1262.6	1252.6
45°	1001.4	1008.2	1008.2	1011.5	1008.2	1008.2	1001.4	994.7	983.0	972.9	966.2
47.5°	768.6	768.6	768.6	770.3	768.6	768.6	768.6	756.9	753.6	746.9	738.5
50°	584.4	586.1	587.8	589.5	587.8	586.1	584.4	581.1	579.4	576.0	574.4
52.5°	448.8	450.4	447.1	450.4	447.1	450.4	448.8	450.4	445.4	445.4	443.8
55°	340.0	338.3	340.0	341.6	340.0	338.3	340.0	340.0	338.3	338.3	338.3
57.5°	249.5	246.1	246.1	246.1	246.1	246.1	249.5	247.9	252.9	249.5	251.2
60°	185.9	187.6	187.6	189.2	187.6	187.6	185.9	189.2	189.2	190.9	190.9
62.5°	137.3	142.3	139.0	142.3	139.0	142.3	137.3	139.0	139.0	140.7	142.3
65°	88.8	88.8	88.8	90.4	88.8	88.8	88.8	90.4	92.1	90.4	95.5
67.5°	60.3	62.0	65.3	63.6	65.3	62.0	60.3	62.0	62.0	67.0	65.3
70°	48.6	43.6	43.6	48.6	43.6	43.6	48.6	45.2	43.6	46.9	45.2
72.5°	28.5	25.1	28.5	28.5	28.5	25.1	28.5	25.1	26.8	26.8	30.1
75°	15.1	13.4	11.7	16.7	11.7	13.4	15.1	15.1	15.1	15.1	16.7
77.5°	10.1	8.3	11.7	11.7	11.7	8.3	10.1	8.3	10.1	8.3	10.1
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: P248742

CATALOG NUMBER: LD8B80D010 ER8B809727 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3429.6	3429.6	3429.6	3429.6	3429.6	3429.6	3429.6	3429.6	3429.6	3429.6	3429.6
2.5°	3464.8	3459.7	3461.5	3451.4	3451.4	3448.0	3449.7	3441.3	3438.0	3434.7	3439.7
5°	3515.0	3506.7	3499.9	3484.9	3476.5	3466.5	3461.5	3448.0	3436.3	3426.2	3424.6
7.5°	3555.2	3536.8	3525.1	3505.0	3489.9	3478.2	3461.5	3443.0	3428.0	3414.5	3404.5
10°	3572.0	3553.6	3535.2	3510.0	3493.2	3471.5	3454.7	3431.3	3411.2	3392.8	3381.0
12.5°	3573.6	3550.2	3533.4	3505.0	3483.2	3459.7	3441.3	3414.5	3391.1	3372.7	3354.3
15°	3558.6	3536.8	3516.7	3486.6	3464.8	3443.0	3421.3	3392.8	3371.0	3349.3	3335.9
17.5°	3525.1	3505.0	3481.5	3453.1	3433.0	3412.9	3389.4	3366.0	3340.8	3317.4	3300.7
20°	3481.5	3459.7	3439.7	3411.2	3394.5	3372.7	3350.9	3325.8	3305.7	3282.3	3263.8
22.5°	3416.2	3396.1	3377.7	3361.0	3334.2	3317.4	3302.4	3273.9	3253.8	3232.0	3211.9
25°	3322.4	3302.4	3287.3	3267.2	3255.4	3237.0	3221.9	3196.8	3178.4	3158.3	3141.6
27.5°	3168.4	3156.7	3148.3	3136.5	3126.5	3118.1	3109.8	3089.7	3076.3	3057.9	3041.1
30°	2937.3	2935.6	2930.6	2925.5	2932.2	2932.2	2932.2	2928.9	2917.2	2903.8	2892.0
32.5°	2640.9	2644.2	2650.9	2656.0	2669.3	2684.4	2697.8	2704.5	2704.5	2696.2	2691.1
35°	2287.5	2292.6	2302.6	2316.0	2332.8	2351.2	2381.3	2388.0	2393.0	2393.0	2386.3
37.5°	1920.8	1919.1	1929.2	1940.9	1951.0	1964.3	1986.1	1991.1	1999.5	1996.2	1989.4
40°	1564.1	1555.7	1552.3	1555.7	1567.4	1562.4	1567.4	1564.1	1564.1	1552.3	1552.3
42.5°	1234.2	1224.2	1217.4	1212.5	1212.5	1200.7	1192.3	1184.0	1179.0	1170.5	1168.9
45°	951.2	939.4	931.1	927.7	922.8	907.7	897.6	887.5	875.8	872.5	874.2
47.5°	738.5	726.8	723.4	715.1	706.7	698.3	691.6	679.9	678.2	671.5	678.2
50°	569.4	566.0	561.0	557.6	552.6	545.9	539.2	532.5	529.2	529.2	530.8
52.5°	442.1	443.8	438.7	433.7	430.4	430.4	422.0	420.3	420.3	413.6	420.3
55°	338.3	336.6	338.3	334.9	334.9	329.9	329.9	324.9	324.9	319.8	323.2
57.5°	247.9	251.2	247.9	249.5	252.9	247.9	246.1	241.1	244.5	241.1	242.8
60°	192.6	192.6	192.6	190.9	190.9	189.2	189.2	187.6	187.6	184.2	187.6
62.5°	142.3	144.0	144.0	144.0	145.7	144.0	142.3	144.0	142.3	142.3	144.0
65°	93.8	95.5	95.5	93.8	97.1	93.8	95.5	97.1	98.8	97.1	98.8
67.5°	63.6	63.6	65.3	67.0	65.3	67.0	68.7	67.0	68.7	72.0	68.7
70°	46.9	48.6	48.6	46.9	45.2	46.9	45.2	50.2	50.2	50.2	53.6
72.5°	30.1	30.1	28.5	28.5	28.5	28.5	28.5	33.5	30.1	28.5	31.8
75°	16.7	18.4	18.4	13.4	15.1	18.4	13.4	15.1	20.1	16.7	20.1
77.5°	10.1	10.1	10.1	10.1	10.1	10.1	13.4	11.7	11.7	11.7	13.4
80°	8.3	6.7	6.7	5.0	6.7	6.7	6.7	10.1	8.3	8.3	10.1
82.5°	3.4	3.4	1.7	0.0	3.4	3.4	3.4	3.4	3.4	3.4	6.7
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: P248742

CATALOG NUMBER: LD8B80D010 ER8B809727 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3429.6	3429.6	3429.6	3429.6	3429.6	3429.6	3429.6	3429.6	3429.6	3429.6	3429.6
2.5°	3426.2	3426.2	3424.6	3421.3	3414.5	3414.5	3412.9	3407.8	3404.5	3402.8	3402.8
5°	3409.5	3402.8	3396.1	3377.7	3377.7	3374.3	3364.3	3357.6	3354.3	3345.9	3342.6
7.5°	3394.5	3374.3	3362.6	3350.9	3335.9	3329.1	3317.4	3312.4	3300.7	3292.3	3287.3
10°	3357.6	3344.2	3329.1	3310.7	3299.0	3285.6	3272.2	3262.2	3247.1	3238.7	3232.0
12.5°	3332.5	3312.4	3299.0	3278.9	3258.8	3247.1	3228.7	3217.0	3201.9	3185.1	3175.1
15°	3309.1	3287.3	3268.9	3247.1	3225.3	3211.9	3190.2	3176.8	3155.0	3138.3	3126.5
17.5°	3273.9	3255.4	3235.4	3208.6	3188.5	3171.8	3148.3	3131.6	3111.4	3089.7	3077.9
20°	3237.0	3215.3	3195.2	3168.4	3148.3	3128.2	3104.8	3086.4	3062.9	3042.8	3029.4
22.5°	3188.5	3163.3	3146.6	3119.8	3096.4	3074.6	3052.9	3031.1	3009.3	2992.5	2977.4
25°	3118.1	3091.3	3072.9	3051.1	3029.4	3012.7	2985.9	2972.5	2950.7	2935.6	2920.5
27.5°	3017.6	2997.6	2980.8	2959.0	2940.6	2927.3	2907.1	2893.8	2875.3	2861.9	2850.2
30°	2870.3	2853.6	2838.5	2816.7	2803.3	2791.6	2773.1	2761.4	2748.1	2733.0	2729.6
32.5°	2672.7	2659.3	2644.2	2629.2	2619.1	2612.4	2597.3	2590.6	2577.2	2568.8	2560.5
35°	2374.6	2362.9	2354.5	2347.9	2344.5	2346.1	2342.8	2349.5	2352.8	2351.2	2352.8
37.5°	1984.5	1977.7	1981.1	1986.1	2002.9	2024.6	2044.7	2074.8	2095.0	2115.1	2133.5
40°	1549.0	1554.1	1567.4	1597.6	1641.1	1689.7	1734.9	1791.9	1848.8	1889.0	1925.8
42.5°	1168.9	1184.0	1217.4	1261.0	1326.3	1398.3	1468.7	1552.3	1621.1	1688.0	1734.9
45°	879.2	899.2	942.8	1003.1	1075.1	1158.8	1247.6	1341.4	1423.4	1492.1	1544.0
47.5°	684.9	703.3	746.9	810.5	899.2	986.4	1078.5	1175.6	1261.0	1328.0	1373.2
50°	540.9	564.3	602.9	669.9	758.6	850.7	946.2	1041.6	1122.0	1179.0	1219.1
52.5°	425.4	447.1	483.9	554.3	644.8	736.8	825.6	919.4	989.7	1045.0	1071.8
55°	329.9	350.0	388.5	447.1	532.5	623.0	711.7	792.1	857.4	897.6	922.8
57.5°	251.2	266.3	293.1	351.7	428.7	512.4	587.8	668.2	718.4	746.9	763.6
60°	190.9	202.7	231.1	276.3	346.6	418.7	482.3	542.6	582.8	606.2	623.0
62.5°	144.0	157.4	177.5	216.0	269.6	328.2	381.8	427.0	460.5	475.6	487.3
65°	98.8	108.8	123.9	154.1	199.3	241.1	283.0	316.5	338.3	355.1	361.7
67.5°	73.7	80.4	88.8	112.2	144.0	177.5	206.0	229.4	252.9	259.6	271.3
70°	55.3	60.3	68.7	85.4	103.8	127.2	150.7	164.1	180.9	192.6	196.0
72.5°	35.2	36.8	45.2	55.3	70.3	85.4	100.5	112.2	122.3	129.0	132.3
75°	20.1	30.1	30.1	40.2	50.2	56.9	67.0	75.3	80.4	85.4	85.4
77.5°	13.4	18.4	20.1	25.1	30.1	38.5	46.9	51.9	56.9	58.6	58.6
80°	11.7	13.4	13.4	18.4	21.8	28.5	33.5	35.2	38.5	40.2	43.6
82.5°	5.0	6.7	8.3	13.4	15.1	15.1	20.1	21.8	25.1	26.8	26.8
85°	1.7	3.4	3.4	5.0	8.3	10.1	11.7	13.4	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	10.1	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: P248742

CATALOG NUMBER: LD8B80D010 ER8B809727 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	3429.6	3429.6	3429.6	3429.6	3429.6	3429.6	3429.6
2.5°	3399.5	3401.2	3394.5	3392.8	3389.4	3391.1	3394.5
5°	3337.5	3339.2	3332.5	3325.8	3325.8	3324.1	3325.8
7.5°	3278.9	3280.6	3270.5	3267.2	3260.5	3262.2	3262.2
10°	3220.3	3220.3	3205.3	3203.5	3198.5	3196.8	3196.8
12.5°	3163.3	3158.3	3146.6	3139.9	3143.3	3133.2	3133.2
15°	3113.1	3104.8	3089.7	3084.6	3076.3	3072.9	3072.9
17.5°	3061.2	3054.5	3041.1	3031.1	3021.0	3019.4	3021.0
20°	3010.9	3004.3	2987.5	2980.8	2972.5	2972.5	2969.1
22.5°	2960.7	2954.0	2939.0	2934.0	2922.2	2922.2	2923.9
25°	2908.8	2903.8	2887.0	2883.7	2882.1	2875.3	2878.7
27.5°	2838.5	2835.1	2821.7	2816.7	2810.0	2808.4	2811.7
30°	2709.5	2704.5	2694.5	2689.5	2677.7	2679.4	2682.7
32.5°	2548.8	2542.1	2528.7	2523.6	2513.6	2510.2	2511.9
35°	2347.9	2342.8	2331.1	2331.1	2321.0	2317.7	2321.0
37.5°	2143.5	2148.5	2143.5	2148.5	2143.5	2141.8	2143.5
40°	1951.0	1969.4	1972.7	1991.1	1984.5	1994.5	1992.8
42.5°	1766.7	1796.8	1808.6	1823.6	1820.3	1827.0	1832.1
45°	1580.8	1606.0	1617.7	1627.8	1629.4	1632.8	1634.4
47.5°	1405.0	1425.1	1426.8	1438.5	1436.8	1436.8	1441.9
50°	1240.9	1254.3	1257.6	1266.0	1259.3	1256.0	1257.6
52.5°	1088.5	1101.9	1098.5	1101.9	1093.6	1090.2	1091.8
55°	932.7	939.4	939.4	939.4	929.4	929.4	929.4
57.5°	773.7	775.4	772.0	773.7	772.0	761.9	760.3
60°	628.0	628.0	626.3	628.0	623.0	617.9	617.9
62.5°	490.6	494.0	500.7	494.0	490.6	494.0	489.0
65°	366.8	373.5	371.7	375.1	373.5	373.5	370.1
67.5°	276.3	278.0	279.6	281.4	281.4	281.4	281.4
70°	202.7	207.7	206.0	206.0	206.0	206.0	216.0
72.5°	135.7	142.3	140.7	144.0	144.0	147.4	144.0
75°	92.1	98.8	95.5	100.5	98.8	95.5	103.8
77.5°	62.0	65.3	67.0	68.7	67.0	65.3	67.0
80°	43.6	46.9	45.2	46.9	46.9	46.9	48.6
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	21.8
87.5°	11.7	10.1	10.1	11.7	10.1	11.7	10.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)