

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: P248859

Luminaire Tested: **LD8B80D010 ER8B80930 8LBSW0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248859
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 ER8B80930 8LBSW0GPH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
97 CRI 3000 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6397.5 lumens
Efficiency: N/A
Efficacy: 86.0 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

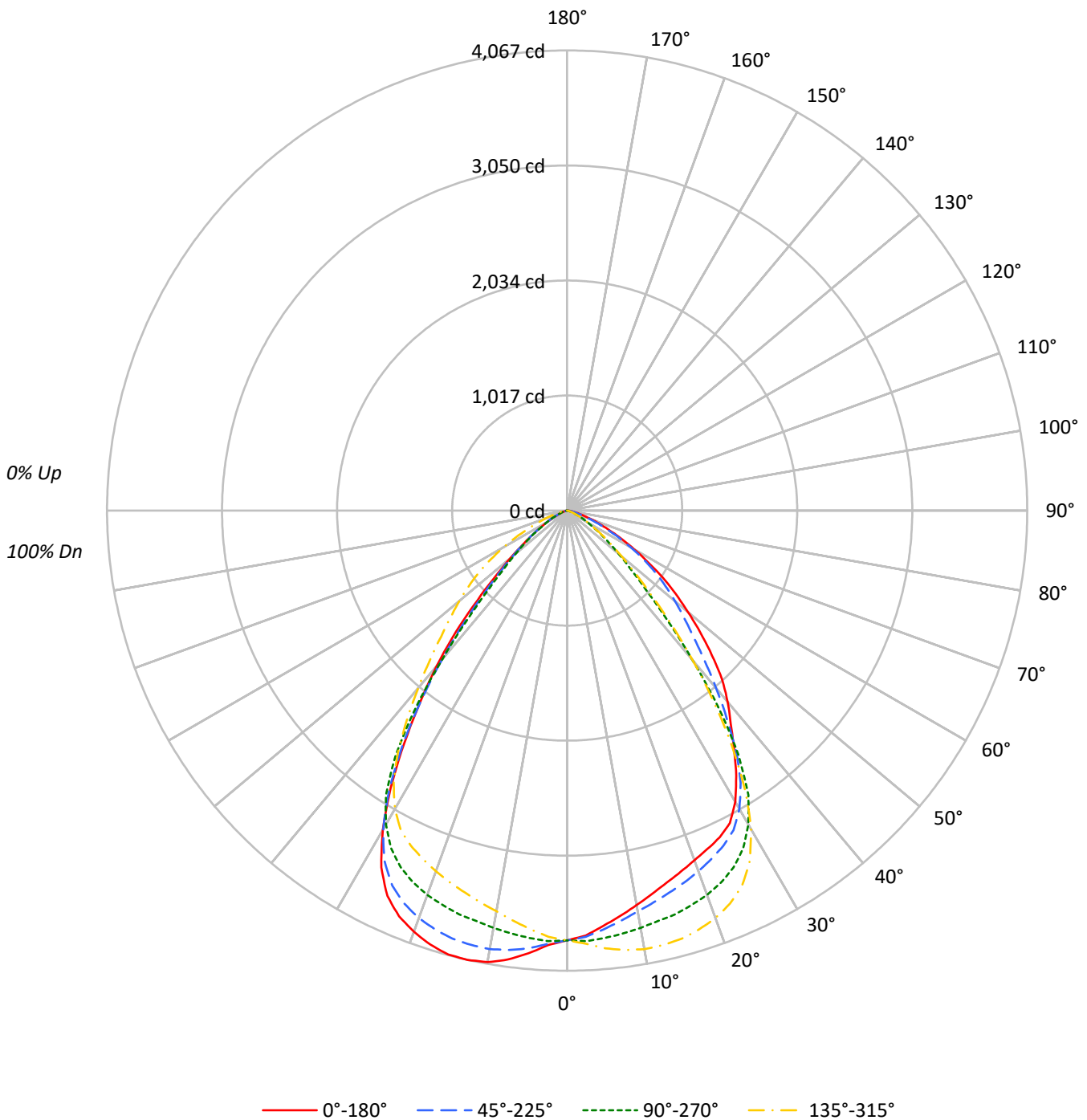
Input Watts (W): 74.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	361.5	5.7
10°-20°	1046.8	16.4
20°-30°	1585.1	24.8
30°-40°	1588.7	24.8
40°-50°	997.6	15.6
50°-60°	531.6	8.3
60°-70°	218.6	3.4
70°-80°	57.7	0.9
80°-90°	9.8	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°	2993.5	46.8
0°-40°	4582.2	71.6
0°-60°	6111.4	95.5
0°-90°	6397.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6397.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3798	3798	3798	3798	3798	
5°	3683	3792	3928	3792	3683	347
15°	3403	3694	4061	3694	3403	962
25°	3188	3479	3759	3479	3188	1462
35°	2570	2643	2507	2643	2570	1610
45°	1810	968	1120	968	1810	1392
55°	1029	358	378	358	1029	918
65°	410	109	100	109	410	425
75°	115	22	18	22	115	130
85°	24	0	2	0	24	26
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°	3798.1	3798.1	3798.1	3798.1	3798.1	3798.1	3798.1	3798.1	3798.1	3798.1	3798.1
2.5°	3759.0	3755.4	3753.6	3757.3	3759.0	3766.4	3764.7	3768.4	3768.4	3770.3	3773.8
5°	3683.0	3681.1	3683.0	3683.0	3690.4	3697.8	3696.0	3701.7	3705.2	3714.5	3718.2
7.5°	3612.6	3612.6	3610.7	3618.1	3621.8	3632.9	3631.0	3640.4	3645.9	3655.2	3668.1
10°	3540.2	3540.2	3542.0	3547.6	3549.5	3566.2	3566.2	3579.1	3586.5	3595.9	3612.6
12.5°	3469.8	3469.8	3480.9	3477.2	3484.6	3497.5	3503.1	3516.1	3527.2	3545.8	3562.5
15°	3403.0	3403.0	3406.7	3416.0	3421.5	3438.2	3447.5	3462.4	3475.3	3493.9	3518.0
17.5°	3345.5	3343.7	3345.5	3356.6	3367.8	3382.6	3390.0	3408.6	3421.5	3445.6	3467.9
20°	3288.0	3291.8	3291.8	3301.0	3308.4	3327.0	3334.4	3354.8	3369.6	3391.8	3417.9
22.5°	3238.0	3236.1	3236.1	3249.1	3254.7	3271.3	3278.7	3297.3	3314.0	3332.5	3356.6
25°	3187.9	3184.2	3191.6	3193.5	3197.1	3215.7	3221.2	3234.2	3250.9	3267.7	3291.8
27.5°	3113.7	3110.0	3111.9	3119.3	3124.8	3139.7	3143.4	3156.4	3169.3	3184.2	3204.6
30°	2970.9	2967.2	2965.4	2978.4	2983.9	2995.0	3000.6	3022.9	3026.5	3043.3	3058.1
32.5°	2781.8	2779.9	2783.7	2794.7	2800.3	2815.2	2822.6	2835.6	2844.8	2854.1	2868.9
35°	2570.3	2566.6	2570.3	2581.6	2581.6	2594.4	2600.0	2605.5	2603.7	2605.5	2601.8
37.5°	2373.8	2371.9	2373.8	2379.3	2373.8	2379.3	2373.8	2362.6	2342.3	2320.0	2297.7
40°	2206.9	2208.7	2197.6	2205.0	2184.6	2180.9	2160.5	2132.7	2091.9	2047.4	1984.4
42.5°	2028.9	2023.3	2015.9	2019.6	2002.9	1989.9	1956.5	1921.3	1869.3	1795.2	1719.1
45°	1810.0	1808.2	1804.5	1802.6	1791.5	1778.5	1750.7	1709.9	1652.4	1576.4	1485.4
47.5°	1596.8	1591.1	1591.1	1592.9	1580.0	1578.1	1555.9	1520.7	1470.6	1396.4	1301.8
50°	1392.7	1390.8	1394.6	1402.0	1392.7	1389.0	1374.2	1350.1	1305.6	1242.5	1153.5
52.5°	1209.1	1207.3	1211.0	1220.2	1216.5	1220.2	1205.4	1186.9	1157.2	1096.0	1018.1
55°	1029.3	1029.3	1029.3	1040.3	1040.3	1040.3	1032.9	1021.9	994.0	949.5	877.2
57.5°	842.0	843.8	854.9	856.8	854.9	858.7	856.8	845.6	827.2	795.6	740.0
60°	684.4	684.4	689.9	695.5	693.6	695.5	695.5	689.9	671.4	645.4	600.9
62.5°	541.6	547.0	543.3	547.0	554.4	547.0	543.3	539.6	526.6	509.9	472.8
65°	409.8	413.5	413.5	415.4	411.6	413.5	406.1	400.6	393.2	374.6	350.5
67.5°	311.6	311.6	311.6	311.6	309.7	307.8	306.0	300.4	287.4	280.0	254.0
70°	239.2	228.1	228.1	228.1	228.1	230.0	224.4	217.0	213.3	200.3	181.7
72.5°	159.4	163.2	159.4	159.4	155.8	157.6	150.2	146.5	142.8	135.4	124.3
75°	114.9	105.7	109.4	111.3	105.7	109.4	102.0	94.6	94.6	89.0	83.4
77.5°	74.2	72.4	74.2	76.0	74.2	72.4	68.6	64.9	64.9	63.0	57.5
80°	53.8	51.9	51.9	51.9	50.1	51.9	48.2	48.2	44.5	42.7	38.9
82.5°	35.3	35.3	33.4	35.3	33.4	35.3	29.7	29.7	29.7	27.8	24.1
85°	24.1	20.4	20.4	22.3	18.5	22.3	20.4	18.5	16.7	16.7	14.8
87.5°	11.1	13.0	11.1	13.0	11.1	11.1	13.0	11.1	11.1	7.4	7.4
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°	3798.1	3798.1	3798.1	3798.1	3798.1	3798.1	3798.1	3798.1	3798.1	3798.1	3798.1
2.5°	3779.5	3781.4	3781.4	3788.8	3792.5	3794.2	3794.2	3809.2	3803.6	3807.4	3811.0
5°	3725.8	3736.9	3740.6	3740.6	3761.0	3768.4	3775.8	3792.5	3794.2	3805.5	3818.4
7.5°	3673.7	3686.7	3694.3	3710.8	3723.8	3736.9	3759.0	3770.3	3781.4	3796.2	3812.9
10°	3623.6	3638.5	3653.3	3666.3	3686.7	3703.4	3718.2	3744.3	3757.3	3777.7	3799.9
12.5°	3575.5	3595.9	3608.8	3631.0	3653.3	3668.1	3690.4	3714.5	3734.9	3755.4	3781.4
15°	3532.8	3556.9	3571.7	3595.9	3620.0	3640.4	3664.5	3694.3	3709.1	3733.2	3757.3
17.5°	3486.4	3512.4	3531.0	3553.2	3582.9	3605.1	3625.5	3655.2	3673.7	3699.7	3727.5
20°	3438.2	3464.2	3486.4	3508.7	3538.4	3560.6	3584.7	3614.4	3634.8	3660.7	3683.0
22.5°	3380.8	3404.9	3428.9	3454.9	3484.6	3503.1	3531.0	3556.9	3579.1	3603.3	3625.5
25°	3306.6	3336.3	3354.8	3378.9	3403.0	3423.4	3453.1	3479.0	3497.5	3519.8	3540.2
27.5°	3219.4	3241.7	3256.5	3276.9	3301.0	3319.6	3341.8	3367.8	3386.3	3406.7	3421.5
30°	3071.0	3091.5	3104.5	3119.3	3143.4	3160.1	3178.7	3202.7	3215.7	3230.6	3243.5
32.5°	2876.3	2893.0	2900.5	2911.6	2928.3	2945.0	2959.8	2980.2	2985.8	2995.0	2995.0
35°	2594.4	2598.1	2596.3	2600.0	2607.4	2616.6	2629.6	2642.6	2650.0	2650.0	2644.6
37.5°	2264.3	2242.1	2218.0	2199.4	2193.9	2190.1	2197.6	2203.1	2210.6	2214.3	2205.0
40°	1921.3	1871.2	1817.4	1769.2	1735.8	1721.0	1715.5	1719.1	1719.1	1732.1	1732.1
42.5°	1626.5	1548.4	1468.8	1396.4	1348.2	1311.1	1294.4	1294.4	1296.3	1305.6	1311.1
45°	1381.6	1283.3	1190.6	1110.9	1044.1	995.8	973.6	968.1	966.2	969.9	982.9
47.5°	1194.3	1092.3	995.8	897.6	827.2	778.9	758.5	751.1	743.7	751.1	753.0
50°	1047.8	942.1	840.1	741.8	667.6	625.0	599.0	587.9	586.1	586.1	589.8
52.5°	914.3	816.0	714.0	613.9	536.0	495.1	471.0	465.4	458.0	465.4	465.4
55°	788.2	689.9	589.8	495.1	430.2	387.6	365.3	357.9	354.2	359.7	359.7
57.5°	651.0	567.5	474.7	389.4	324.5	294.8	278.1	268.9	267.0	270.7	267.0
60°	534.2	463.6	383.8	306.0	255.9	224.4	211.4	207.7	203.9	207.7	207.7
62.5°	422.8	363.5	298.5	239.2	196.5	174.3	159.4	159.4	157.6	157.6	159.4
65°	313.4	267.0	220.7	170.6	137.2	120.5	109.4	109.4	107.5	109.4	107.5
67.5°	228.1	196.5	159.4	124.3	98.3	89.0	81.6	76.0	79.8	76.0	74.2
70°	166.9	140.9	114.9	94.6	76.0	66.8	61.2	59.3	55.6	55.6	55.6
72.5°	111.3	94.6	77.9	61.2	50.1	40.8	38.9	35.3	31.5	33.4	37.1
75°	74.2	63.0	55.6	44.5	33.4	33.4	22.3	22.3	18.5	22.3	16.7
77.5°	51.9	42.7	33.4	27.8	22.3	20.4	14.8	14.8	13.0	13.0	13.0
80°	37.1	31.5	24.1	20.4	14.8	14.8	13.0	11.1	9.2	9.2	11.1
82.5°	22.3	16.7	16.7	14.8	9.2	7.4	5.6	7.4	3.7	3.7	3.7
85°	13.0	11.1	9.2	5.6	3.7	3.7	1.8	0.0	1.8	1.8	0.0
87.5°	7.4	3.7	3.7	1.8	0.0	1.8	1.8	0.0	0.0	0.0	3.7
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	3798.1	3798.1	3798.1	3798.1	3798.1	3798.1	3798.1	3798.1	3798.1	3798.1	3798.1
2.5°	3820.3	3818.4	3822.2	3822.2	3833.3	3831.4	3837.0	3837.0	3833.3	3835.2	3842.6
5°	3833.3	3838.9	3850.0	3859.3	3875.9	3883.4	3892.6	3901.9	3903.8	3909.3	3914.9
7.5°	3833.3	3851.9	3864.8	3881.5	3903.8	3916.8	3937.1	3953.8	3961.2	3970.5	3981.6
10°	3825.9	3844.4	3868.5	3887.1	3914.9	3935.3	3955.7	3981.6	3992.8	4007.6	4022.5
12.5°	3811.0	3831.4	3857.4	3881.5	3913.0	3931.6	3957.5	3981.6	3998.3	4018.7	4035.4
15°	3788.8	3812.9	3837.0	3861.1	3894.5	3916.8	3940.9	3968.7	3985.4	4007.6	4022.5
17.5°	3753.6	3779.5	3801.8	3824.0	3855.5	3881.5	3903.8	3929.7	3946.4	3965.0	3985.4
20°	3710.8	3734.9	3759.0	3777.7	3809.2	3831.4	3855.5	3879.7	3892.6	3896.4	3927.9
22.5°	3657.2	3673.7	3692.3	3721.9	3740.6	3761.0	3783.3	3805.5	3818.4	3838.9	3850.0
25°	3568.0	3584.7	3605.1	3618.1	3640.4	3657.2	3679.3	3703.4	3710.8	3725.8	3736.9
27.5°	3443.8	3453.1	3462.4	3473.4	3486.4	3495.7	3508.7	3519.8	3527.2	3534.6	3542.0
30°	3247.2	3247.2	3247.2	3239.8	3245.4	3250.9	3252.8	3250.9	3250.9	3249.1	3249.1
32.5°	2987.6	2972.8	2956.1	2941.3	2935.7	2928.3	2924.6	2919.0	2909.8	2904.2	2906.0
35°	2637.0	2603.7	2583.3	2564.7	2549.9	2538.8	2533.2	2527.7	2525.8	2518.4	2510.9
37.5°	2199.4	2175.3	2160.5	2149.4	2136.4	2125.3	2127.1	2129.0	2134.5	2130.8	2132.7
40°	1735.8	1730.3	1735.8	1722.9	1719.1	1722.9	1732.1	1745.2	1752.6	1760.0	1772.9
42.5°	1320.4	1329.6	1342.7	1342.7	1348.2	1355.6	1366.7	1387.2	1398.2	1411.2	1426.1
45°	994.0	1005.2	1021.9	1027.4	1031.1	1040.3	1053.4	1070.0	1077.4	1088.6	1101.6
47.5°	766.0	773.4	782.6	791.9	801.1	804.9	817.9	817.9	827.2	834.6	838.2
50°	597.2	604.6	612.0	617.6	621.3	626.9	630.6	636.1	638.0	641.7	643.5
52.5°	467.3	476.6	476.6	480.2	485.8	491.4	489.7	491.4	493.2	493.2	498.8
55°	365.3	365.3	370.9	370.9	374.6	372.7	374.6	374.6	374.6	374.6	376.4
57.5°	272.6	274.5	280.0	276.3	274.5	278.1	274.5	278.1	276.3	280.0	274.5
60°	209.5	209.5	211.4	211.4	213.3	213.3	213.3	211.4	211.4	209.5	209.5
62.5°	157.6	159.4	161.3	159.4	159.4	159.4	157.6	157.6	155.8	153.9	153.9
65°	105.7	103.9	107.5	103.9	105.7	105.7	103.9	105.7	100.1	102.0	100.1
67.5°	76.0	74.2	72.4	74.2	72.4	70.5	70.5	72.4	74.2	68.6	68.6
70°	50.1	51.9	50.1	51.9	53.8	53.8	51.9	50.1	51.9	48.2	50.1
72.5°	31.5	31.5	31.5	31.5	31.5	33.4	33.4	33.4	29.7	29.7	27.8
75°	14.8	20.4	16.7	14.8	20.4	20.4	18.5	18.5	16.7	16.7	16.7
77.5°	14.8	11.1	11.1	11.1	11.1	11.1	11.1	11.1	9.2	11.1	9.2
80°	7.4	7.4	7.4	5.6	7.4	7.4	9.2	7.4	7.4	5.6	9.2
82.5°	3.7	3.7	3.7	0.0	1.8	3.7	3.7	1.8	3.7	3.7	1.8
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: P248859

CATALOG NUMBER: LD8B80D010 ER8B80930 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3798.1	3798.1	3798.1	3798.1	3798.1	3798.1	3798.1	3798.1	3798.1	3798.1	3798.1
2.5°	3840.7	3838.9	3840.7	3842.6	3840.7	3838.9	3840.7	3842.6	3835.2	3833.3	3837.0
5°	3922.3	3922.3	3926.0	3927.9	3926.0	3922.3	3922.3	3914.9	3909.3	3903.8	3901.9
7.5°	3992.8	3996.5	4000.2	4002.0	4000.2	3996.5	3992.8	3981.6	3970.5	3961.2	3953.8
10°	4035.4	4041.0	4048.4	4052.1	4048.4	4041.0	4035.4	4022.5	4007.6	3992.8	3981.6
12.5°	4054.0	4059.6	4068.8	4067.0	4068.8	4059.6	4054.0	4035.4	4018.7	3998.3	3981.6
15°	4041.0	4048.4	4057.7	4061.4	4057.7	4048.4	4041.0	4022.5	4007.6	3985.4	3968.7
17.5°	4000.2	4011.3	4016.9	4022.5	4016.9	4011.3	4000.2	3985.4	3965.0	3946.4	3929.7
20°	3944.5	3952.0	3959.4	3961.2	3959.4	3952.0	3944.5	3927.9	3896.4	3892.6	3879.7
22.5°	3864.8	3870.4	3887.1	3881.5	3887.1	3870.4	3864.8	3850.0	3838.9	3818.4	3805.5
25°	3749.7	3755.4	3757.3	3759.0	3757.3	3755.4	3749.7	3736.9	3725.8	3710.8	3703.4
27.5°	3551.4	3551.4	3555.0	3556.9	3555.0	3551.4	3551.4	3542.0	3534.6	3527.2	3519.8
30°	3250.9	3250.9	3250.9	3260.2	3250.9	3250.9	3250.9	3249.1	3249.1	3250.9	3250.9
32.5°	2904.2	2900.5	2896.8	2900.5	2896.8	2900.5	2904.2	2906.0	2904.2	2909.8	2919.0
35°	2510.9	2509.1	2514.7	2507.3	2514.7	2509.1	2510.9	2510.9	2518.4	2525.8	2527.7
37.5°	2134.5	2130.8	2138.2	2130.8	2138.2	2130.8	2134.5	2132.7	2130.8	2134.5	2129.0
40°	1776.7	1780.3	1780.3	1795.2	1780.3	1780.3	1776.7	1772.9	1760.0	1752.6	1745.2
42.5°	1433.5	1444.6	1440.9	1452.0	1440.9	1444.6	1433.5	1426.1	1411.2	1398.2	1387.2
45°	1109.0	1116.4	1116.4	1120.1	1116.4	1116.4	1109.0	1101.6	1088.6	1077.4	1070.0
47.5°	851.2	851.2	851.2	853.1	851.2	851.2	851.2	838.2	834.6	827.2	817.9
50°	647.3	649.1	651.0	652.8	651.0	649.1	647.3	643.5	641.7	638.0	636.1
52.5°	497.1	498.8	495.1	498.8	495.1	498.8	497.1	498.8	493.2	493.2	491.4
55°	376.4	374.6	376.4	378.3	376.4	374.6	376.4	376.4	374.6	374.6	374.6
57.5°	276.3	272.6	272.6	272.6	272.6	272.6	276.3	274.5	280.0	276.3	278.1
60°	205.8	207.7	207.7	209.5	207.7	207.7	205.8	209.5	209.5	211.4	211.4
62.5°	152.0	157.6	153.9	157.6	153.9	157.6	152.0	153.9	153.9	155.8	157.6
65°	98.3	98.3	98.3	100.1	98.3	98.3	98.3	100.1	102.0	100.1	105.7
67.5°	66.8	68.6	72.4	70.5	72.4	68.6	66.8	68.6	68.6	74.2	72.4
70°	53.8	48.2	48.2	53.8	48.2	48.2	53.8	50.1	48.2	51.9	50.1
72.5°	31.5	27.8	31.5	31.5	31.5	27.8	31.5	27.8	29.7	29.7	33.4
75°	16.7	14.8	13.0	18.5	13.0	14.8	16.7	16.7	16.7	16.7	18.5
77.5°	11.1	9.2	13.0	13.0	13.0	9.2	11.1	9.2	11.1	9.2	11.1
80°	5.6	7.4	5.6	9.2	5.6	7.4	5.6	9.2	5.6	7.4	7.4
82.5°	1.8	3.7	3.7	3.7	3.7	3.7	1.8	1.8	3.7	3.7	1.8
85°	0.0	3.7	1.8	1.8	1.8	3.7	0.0	0.0	0.0	0.0	0.0
87.5°	1.8	0.0	0.0	1.8	0.0	0.0	1.8	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: P248859

CATALOG NUMBER: LD8B80D010 ER8B80930 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3798.1	3798.1	3798.1	3798.1	3798.1	3798.1	3798.1	3798.1	3798.1	3798.1	3798.1
2.5°	3837.0	3831.4	3833.3	3822.2	3822.2	3818.4	3820.3	3811.0	3807.4	3803.6	3809.2
5°	3892.6	3883.4	3875.9	3859.3	3850.0	3838.9	3833.3	3818.4	3805.5	3794.2	3792.5
7.5°	3937.1	3916.8	3903.8	3881.5	3864.8	3851.9	3833.3	3812.9	3796.2	3781.4	3770.3
10°	3955.7	3935.3	3914.9	3887.1	3868.5	3844.4	3825.9	3799.9	3777.7	3757.3	3744.3
12.5°	3957.5	3931.6	3913.0	3881.5	3857.4	3831.4	3811.0	3781.4	3755.4	3734.9	3714.5
15°	3940.9	3916.8	3894.5	3861.1	3837.0	3812.9	3788.8	3757.3	3733.2	3709.1	3694.3
17.5°	3903.8	3881.5	3855.5	3824.0	3801.8	3779.5	3753.6	3727.5	3699.7	3673.7	3655.2
20°	3855.5	3831.4	3809.2	3777.7	3759.0	3734.9	3710.8	3683.0	3660.7	3634.8	3614.4
22.5°	3783.3	3761.0	3740.6	3721.9	3692.3	3673.7	3657.2	3625.5	3603.3	3579.1	3556.9
25°	3679.3	3657.2	3640.4	3618.1	3605.1	3584.7	3568.0	3540.2	3519.8	3497.5	3479.0
27.5°	3508.7	3495.7	3486.4	3473.4	3462.4	3453.1	3443.8	3421.5	3406.7	3386.3	3367.8
30°	3252.8	3250.9	3245.4	3239.8	3247.2	3247.2	3247.2	3243.5	3230.6	3215.7	3202.7
32.5°	2924.6	2928.3	2935.7	2941.3	2956.1	2972.8	2987.6	2995.0	2995.0	2985.8	2980.2
35°	2533.2	2538.8	2549.9	2564.7	2583.3	2603.7	2637.0	2644.6	2650.0	2650.0	2642.6
37.5°	2127.1	2125.3	2136.4	2149.4	2160.5	2175.3	2199.4	2205.0	2214.3	2210.6	2203.1
40°	1732.1	1722.9	1719.1	1722.9	1735.8	1730.3	1735.8	1732.1	1732.1	1719.1	1719.1
42.5°	1366.7	1355.6	1348.2	1342.7	1342.7	1329.6	1320.4	1311.1	1305.6	1296.3	1294.4
45°	1053.4	1040.3	1031.1	1027.4	1021.9	1005.2	994.0	982.9	969.9	966.2	968.1
47.5°	817.9	804.9	801.1	791.9	782.6	773.4	766.0	753.0	751.1	743.7	751.1
50°	630.6	626.9	621.3	617.6	612.0	604.6	597.2	589.8	586.1	586.1	587.9
52.5°	489.7	491.4	485.8	480.2	476.6	476.6	467.3	465.4	465.4	458.0	465.4
55°	374.6	372.7	374.6	370.9	370.9	365.3	365.3	359.7	359.7	354.2	357.9
57.5°	274.5	278.1	274.5	276.3	280.0	274.5	272.6	267.0	270.7	267.0	268.9
60°	213.3	213.3	213.3	211.4	211.4	209.5	209.5	207.7	207.7	203.9	207.7
62.5°	157.6	159.4	159.4	159.4	161.3	159.4	157.6	159.4	157.6	157.6	159.4
65°	103.9	105.7	105.7	103.9	107.5	103.9	105.7	107.5	109.4	107.5	109.4
67.5°	70.5	70.5	72.4	74.2	72.4	74.2	76.0	74.2	76.0	79.8	76.0
70°	51.9	53.8	53.8	51.9	50.1	51.9	50.1	55.6	55.6	55.6	59.3
72.5°	33.4	33.4	31.5	31.5	31.5	31.5	31.5	37.1	33.4	31.5	35.3
75°	18.5	20.4	20.4	14.8	16.7	20.4	14.8	16.7	22.3	18.5	22.3
77.5°	11.1	11.1	11.1	11.1	11.1	11.1	14.8	13.0	13.0	13.0	14.8
80°	9.2	7.4	7.4	5.6	7.4	7.4	7.4	11.1	9.2	9.2	11.1
82.5°	3.7	3.7	1.8	0.0	3.7	3.7	3.7	3.7	3.7	3.7	7.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	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: P248859

CATALOG NUMBER: LD8B80D010 ER8B80930 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3798.1	3798.1	3798.1	3798.1	3798.1	3798.1	3798.1	3798.1	3798.1	3798.1	3798.1
2.5°	3794.2	3794.2	3792.5	3788.8	3781.4	3781.4	3779.5	3773.8	3770.3	3768.4	3768.4
5°	3775.8	3768.4	3761.0	3740.6	3740.6	3736.9	3725.8	3718.2	3714.5	3705.2	3701.7
7.5°	3759.0	3736.9	3723.8	3710.8	3694.3	3686.7	3673.7	3668.1	3655.2	3645.9	3640.4
10°	3718.2	3703.4	3686.7	3666.3	3653.3	3638.5	3623.6	3612.6	3595.9	3586.5	3579.1
12.5°	3690.4	3668.1	3653.3	3631.0	3608.8	3595.9	3575.5	3562.5	3545.8	3527.2	3516.1
15°	3664.5	3640.4	3620.0	3595.9	3571.7	3556.9	3532.8	3518.0	3493.9	3475.3	3462.4
17.5°	3625.5	3605.1	3582.9	3553.2	3531.0	3512.4	3486.4	3467.9	3445.6	3421.5	3408.6
20°	3584.7	3560.6	3538.4	3508.7	3486.4	3464.2	3438.2	3417.9	3391.8	3369.6	3354.8
22.5°	3531.0	3503.1	3484.6	3454.9	3428.9	3404.9	3380.8	3356.6	3332.5	3314.0	3297.3
25°	3453.1	3423.4	3403.0	3378.9	3354.8	3336.3	3306.6	3291.8	3267.7	3250.9	3234.2
27.5°	3341.8	3319.6	3301.0	3276.9	3256.5	3241.7	3219.4	3204.6	3184.2	3169.3	3156.4
30°	3178.7	3160.1	3143.4	3119.3	3104.5	3091.5	3071.0	3058.1	3043.3	3026.5	3022.9
32.5°	2959.8	2945.0	2928.3	2911.6	2900.5	2893.0	2876.3	2868.9	2854.1	2844.8	2835.6
35°	2629.6	2616.6	2607.4	2600.0	2596.3	2598.1	2594.4	2601.8	2605.5	2603.7	2605.5
37.5°	2197.6	2190.1	2193.9	2199.4	2218.0	2242.1	2264.3	2297.7	2320.0	2342.3	2362.6
40°	1715.5	1721.0	1735.8	1769.2	1817.4	1871.2	1921.3	1984.4	2047.4	2091.9	2132.7
42.5°	1294.4	1311.1	1348.2	1396.4	1468.8	1548.4	1626.5	1719.1	1795.2	1869.3	1921.3
45°	973.6	995.8	1044.1	1110.9	1190.6	1283.3	1381.6	1485.4	1576.4	1652.4	1709.9
47.5°	758.5	778.9	827.2	897.6	995.8	1092.3	1194.3	1301.8	1396.4	1470.6	1520.7
50°	599.0	625.0	667.6	741.8	840.1	942.1	1047.8	1153.5	1242.5	1305.6	1350.1
52.5°	471.0	495.1	536.0	613.9	714.0	816.0	914.3	1018.1	1096.0	1157.2	1186.9
55°	365.3	387.6	430.2	495.1	589.8	689.9	788.2	877.2	949.5	994.0	1021.9
57.5°	278.1	294.8	324.5	389.4	474.7	567.5	651.0	740.0	795.6	827.2	845.6
60°	211.4	224.4	255.9	306.0	383.8	463.6	534.2	600.9	645.4	671.4	689.9
62.5°	159.4	174.3	196.5	239.2	298.5	363.5	422.8	472.8	509.9	526.6	539.6
65°	109.4	120.5	137.2	170.6	220.7	267.0	313.4	350.5	374.6	393.2	400.6
67.5°	81.6	89.0	98.3	124.3	159.4	196.5	228.1	254.0	280.0	287.4	300.4
70°	61.2	66.8	76.0	94.6	114.9	140.9	166.9	181.7	200.3	213.3	217.0
72.5°	38.9	40.8	50.1	61.2	77.9	94.6	111.3	124.3	135.4	142.8	146.5
75°	22.3	33.4	33.4	44.5	55.6	63.0	74.2	83.4	89.0	94.6	94.6
77.5°	14.8	20.4	22.3	27.8	33.4	42.7	51.9	57.5	63.0	64.9	64.9
80°	13.0	14.8	14.8	20.4	24.1	31.5	37.1	38.9	42.7	44.5	48.2
82.5°	5.6	7.4	9.2	14.8	16.7	16.7	22.3	24.1	27.8	29.7	29.7
85°	1.8	3.7	3.7	5.6	9.2	11.1	13.0	14.8	16.7	16.7	18.5
87.5°	1.8	1.8	0.0	1.8	3.7	3.7	7.4	7.4	7.4	11.1	11.1
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: P248859

CATALOG NUMBER: LD8B80D010 ER8B80930 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	3798.1	3798.1	3798.1	3798.1	3798.1	3798.1	3798.1
2.5°	3764.7	3766.4	3759.0	3757.3	3753.6	3755.4	3759.0
5°	3696.0	3697.8	3690.4	3683.0	3683.0	3681.1	3683.0
7.5°	3631.0	3632.9	3621.8	3618.1	3610.7	3612.6	3612.6
10°	3566.2	3566.2	3549.5	3547.6	3542.0	3540.2	3540.2
12.5°	3503.1	3497.5	3484.6	3477.2	3480.9	3469.8	3469.8
15°	3447.5	3438.2	3421.5	3416.0	3406.7	3403.0	3403.0
17.5°	3390.0	3382.6	3367.8	3356.6	3345.5	3343.7	3345.5
20°	3334.4	3327.0	3308.4	3301.0	3291.8	3291.8	3288.0
22.5°	3278.7	3271.3	3254.7	3249.1	3236.1	3236.1	3238.0
25°	3221.2	3215.7	3197.1	3193.5	3191.6	3184.2	3187.9
27.5°	3143.4	3139.7	3124.8	3119.3	3111.9	3110.0	3113.7
30°	3000.6	2995.0	2983.9	2978.4	2965.4	2967.2	2970.9
32.5°	2822.6	2815.2	2800.3	2794.7	2783.7	2779.9	2781.8
35°	2600.0	2594.4	2581.6	2581.6	2570.3	2566.6	2570.3
37.5°	2373.8	2379.3	2373.8	2379.3	2373.8	2371.9	2373.8
40°	2160.5	2180.9	2184.6	2205.0	2197.6	2208.7	2206.9
42.5°	1956.5	1989.9	2002.9	2019.6	2015.9	2023.3	2028.9
45°	1750.7	1778.5	1791.5	1802.6	1804.5	1808.2	1810.0
47.5°	1555.9	1578.1	1580.0	1592.9	1591.1	1591.1	1596.8
50°	1374.2	1389.0	1392.7	1402.0	1394.6	1390.8	1392.7
52.5°	1205.4	1220.2	1216.5	1220.2	1211.0	1207.3	1209.1
55°	1032.9	1040.3	1040.3	1040.3	1029.3	1029.3	1029.3
57.5°	856.8	858.7	854.9	856.8	854.9	843.8	842.0
60°	695.5	695.5	693.6	695.5	689.9	684.4	684.4
62.5°	543.3	547.0	554.4	547.0	543.3	547.0	541.6
65°	406.1	413.5	411.6	415.4	413.5	413.5	409.8
67.5°	306.0	307.8	309.7	311.6	311.6	311.6	311.6
70°	224.4	230.0	228.1	228.1	228.1	228.1	239.2
72.5°	150.2	157.6	155.8	159.4	159.4	163.2	159.4
75°	102.0	109.4	105.7	111.3	109.4	105.7	114.9
77.5°	68.6	72.4	74.2	76.0	74.2	72.4	74.2
80°	48.2	51.9	50.1	51.9	51.9	51.9	53.8
82.5°	29.7	35.3	33.4	35.3	33.4	35.3	35.3
85°	20.4	22.3	18.5	22.3	20.4	20.4	24.1
87.5°	13.0	11.1	11.1	13.0	11.1	13.0	11.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)