

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: P248850

Luminaire Tested: **LD8B80D010 ER8B80927 8LBSW0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248850
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 ER8B80927 8LBSW0GPH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
97 CRI 2700 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6068.2 lumens
Efficiency: N/A
Efficacy: 81.6 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

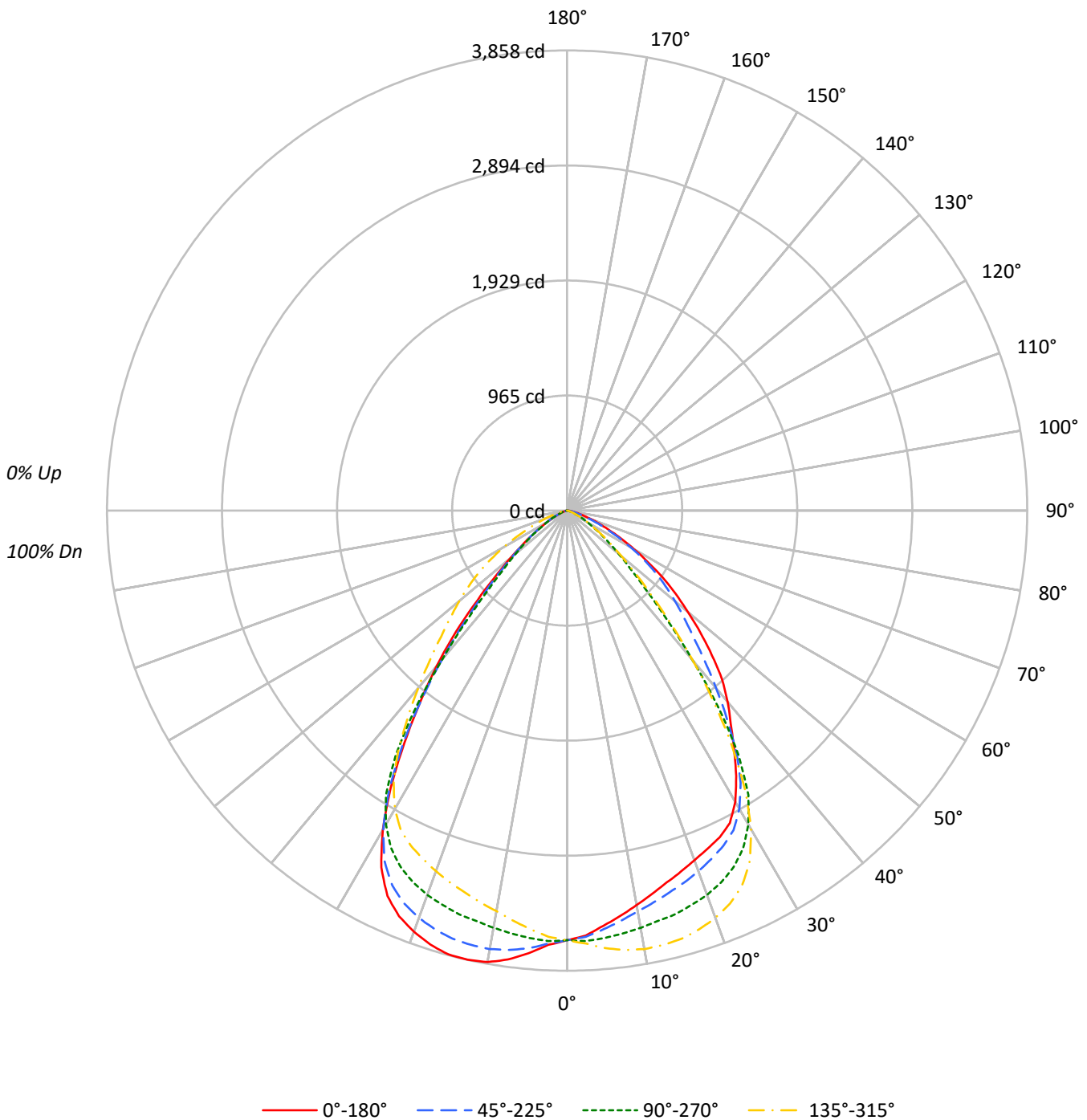
Input Watts (W): 74.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	342.9	5.7
10°-20°	993.0	16.4
20°-30°	1503.5	24.8
30°-40°	1506.9	24.8
40°-50°	946.3	15.6
50°-60°	504.3	8.3
60°-70°	207.4	3.4
70°-80°	54.8	0.9
80°-90°	9.3	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°	2839.4	46.8
0°-40°	4346.3	71.6
0°-60°	5796.8	95.5
0°-90°	6068.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6068.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3602	3602	3602	3602	3602	
5°	3494	3597	3726	3597	3494	329
15°	3228	3504	3852	3504	3228	913
25°	3024	3300	3566	3300	3024	1387
35°	2438	2507	2378	2507	2438	1527
45°	1717	918	1062	918	1717	1320
55°	976	340	359	340	976	870
65°	389	104	95	104	389	403
75°	109	21	18	21	109	124
85°	23	0	2	0	23	25
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°	3602.5	3602.5	3602.5	3602.5	3602.5	3602.5	3602.5	3602.5	3602.5	3602.5	3602.5
2.5°	3565.6	3562.1	3560.3	3563.9	3565.6	3572.7	3570.9	3574.4	3574.4	3576.2	3579.6
5°	3493.5	3491.7	3493.5	3493.5	3500.6	3507.5	3505.8	3511.1	3514.6	3523.4	3526.9
7.5°	3426.6	3426.6	3424.8	3431.9	3435.4	3446.0	3444.2	3453.0	3458.2	3467.0	3479.4
10°	3358.0	3358.0	3359.8	3365.0	3366.9	3382.6	3382.6	3394.9	3402.0	3410.8	3426.6
12.5°	3291.2	3291.2	3301.8	3298.2	3305.2	3317.5	3322.8	3335.2	3345.8	3363.3	3379.2
15°	3227.8	3227.8	3231.3	3240.1	3245.4	3261.3	3270.0	3284.2	3296.5	3314.0	3337.0
17.5°	3173.3	3171.6	3173.3	3183.9	3194.4	3208.5	3215.5	3233.1	3245.4	3268.4	3289.5
20°	3118.8	3122.3	3122.3	3131.1	3138.1	3155.7	3162.7	3182.2	3196.2	3217.3	3241.9
22.5°	3071.2	3069.6	3069.6	3081.8	3087.1	3103.0	3110.0	3127.6	3143.4	3161.0	3183.9
25°	3023.8	3020.3	3027.4	3029.1	3032.5	3050.2	3055.5	3067.8	3083.6	3099.5	3122.3
27.5°	2953.5	2950.0	2951.7	2958.8	2964.0	2978.1	2981.6	2993.8	3006.2	3020.3	3039.6
30°	2818.0	2814.5	2812.7	2825.1	2830.4	2840.8	2846.1	2867.3	2870.8	2886.6	2900.7
32.5°	2638.6	2636.8	2640.4	2650.8	2656.1	2670.3	2677.3	2689.5	2698.3	2707.2	2721.3
35°	2438.1	2434.5	2438.1	2448.7	2448.7	2460.9	2466.2	2471.4	2469.7	2471.4	2467.9
37.5°	2251.6	2249.8	2251.6	2256.9	2251.6	2256.9	2251.6	2241.0	2221.8	2200.6	2179.5
40°	2093.3	2095.0	2084.5	2091.5	2072.1	2068.6	2049.3	2022.9	1984.3	1942.0	1882.2
42.5°	1924.4	1919.1	1912.2	1915.5	1899.8	1887.4	1855.8	1822.4	1773.1	1702.8	1630.6
45°	1716.9	1715.1	1711.6	1709.8	1699.2	1686.9	1660.5	1621.8	1567.4	1495.2	1409.0
47.5°	1514.6	1509.3	1509.3	1511.0	1498.7	1496.9	1475.8	1442.5	1394.9	1324.6	1234.8
50°	1321.0	1319.3	1322.8	1329.9	1321.0	1317.5	1303.5	1280.6	1238.4	1178.6	1094.1
52.5°	1146.8	1145.1	1148.7	1157.4	1153.9	1157.4	1143.4	1125.8	1097.7	1039.6	965.7
55°	976.3	976.3	976.3	986.7	986.7	986.7	979.8	969.3	942.9	900.7	832.0
57.5°	798.6	800.3	810.9	812.7	810.9	814.5	812.7	802.1	784.6	754.6	701.9
60°	649.1	649.1	654.4	659.7	657.9	659.7	659.7	654.4	636.8	612.2	569.9
62.5°	513.7	519.0	515.4	519.0	525.9	519.0	515.4	511.9	499.6	483.8	448.5
65°	388.7	392.3	392.3	394.0	390.5	392.3	385.3	380.0	372.9	355.4	332.4
67.5°	295.5	295.5	295.5	295.5	293.7	292.0	290.2	285.0	272.7	265.6	241.0
70°	226.9	216.3	216.3	216.3	216.3	218.1	212.8	205.9	202.3	190.0	172.4
72.5°	151.2	154.8	151.2	151.2	147.8	149.5	142.5	138.9	135.5	128.5	117.9
75°	109.0	100.2	103.7	105.5	100.2	103.7	96.8	89.7	89.7	84.4	79.1
77.5°	70.4	68.6	70.4	72.1	70.4	68.6	65.1	61.5	61.5	59.8	54.6
80°	51.1	49.3	49.3	49.3	47.5	49.3	45.8	45.8	42.2	40.5	36.9
82.5°	33.4	33.4	31.6	33.4	31.6	33.4	28.1	28.1	28.1	26.3	22.8
85°	22.8	19.3	19.3	21.2	17.6	21.2	19.3	17.6	15.9	15.9	14.1
87.5°	10.6	12.3	10.6	12.3	10.6	10.6	12.3	10.6	10.6	7.0	7.0
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°	3602.5	3602.5	3602.5	3602.5	3602.5	3602.5	3602.5	3602.5	3602.5	3602.5	3602.5
2.5°	3584.9	3586.7	3586.7	3593.8	3597.2	3599.0	3599.0	3613.0	3607.8	3611.4	3614.8
5°	3534.0	3544.4	3548.0	3548.0	3567.4	3574.4	3581.4	3597.2	3599.0	3609.6	3621.8
7.5°	3484.7	3497.0	3504.0	3519.8	3532.2	3544.4	3565.6	3576.2	3586.7	3600.8	3616.5
10°	3437.2	3451.3	3465.3	3477.6	3497.0	3512.8	3526.9	3551.5	3563.9	3583.2	3604.3
12.5°	3391.4	3410.8	3423.2	3444.2	3465.3	3479.4	3500.6	3523.4	3542.7	3562.1	3586.7
15°	3351.0	3373.9	3387.9	3410.8	3433.7	3453.0	3475.9	3504.0	3518.1	3540.9	3563.9
17.5°	3306.9	3331.7	3349.2	3370.3	3398.5	3419.6	3439.0	3467.0	3484.7	3509.3	3535.6
20°	3261.3	3285.9	3306.9	3328.1	3356.3	3377.4	3400.2	3428.4	3447.7	3472.3	3493.5
22.5°	3206.8	3229.6	3252.5	3277.1	3305.2	3322.8	3349.2	3373.9	3394.9	3417.9	3439.0
25°	3136.4	3164.5	3182.2	3205.0	3227.8	3247.2	3275.3	3300.0	3317.5	3338.7	3358.0
27.5°	3053.7	3074.8	3088.9	3108.3	3131.1	3148.6	3169.8	3194.4	3212.1	3231.3	3245.4
30°	2913.0	2932.3	2944.7	2958.8	2981.6	2997.5	3015.0	3037.8	3050.2	3064.3	3076.5
32.5°	2728.2	2744.1	2751.1	2761.6	2777.5	2793.4	2807.4	2826.8	2832.1	2840.8	2840.8
35°	2460.9	2464.4	2462.6	2466.2	2473.2	2482.0	2494.4	2506.6	2513.7	2513.7	2508.4
37.5°	2147.7	2126.7	2103.9	2086.2	2080.9	2077.4	2084.5	2089.7	2096.8	2100.3	2091.5
40°	1822.4	1774.9	1723.8	1678.0	1646.4	1632.4	1627.1	1630.6	1630.6	1643.0	1643.0
42.5°	1542.7	1468.8	1393.2	1324.6	1278.8	1243.7	1227.8	1227.8	1229.5	1238.4	1243.7
45°	1310.5	1217.2	1129.3	1053.7	990.3	944.6	923.5	918.2	916.5	919.9	932.3
47.5°	1132.9	1036.1	944.6	851.4	784.6	738.8	719.4	712.4	705.4	712.4	714.2
50°	993.9	893.6	796.8	703.6	633.3	592.8	568.1	557.6	555.9	555.9	559.4
52.5°	867.2	774.0	677.2	582.3	508.4	469.7	446.8	441.6	434.5	441.6	441.6
55°	747.6	654.4	559.4	469.7	408.0	367.7	346.5	339.5	335.9	341.2	341.2
57.5°	617.5	538.2	450.3	369.4	307.9	279.7	263.8	255.0	253.2	256.8	253.2
60°	506.6	439.8	364.2	290.2	242.8	212.8	200.6	197.0	193.5	197.0	197.0
62.5°	401.1	344.8	283.2	226.9	186.4	165.4	151.2	151.2	149.5	149.5	151.2
65°	297.3	253.2	209.4	161.8	130.2	114.3	103.7	103.7	102.0	103.7	102.0
67.5°	216.3	186.4	151.2	117.9	93.3	84.4	77.4	72.1	75.7	72.1	70.4
70°	158.4	133.6	109.0	89.7	72.1	63.3	58.0	56.2	52.8	52.8	52.8
72.5°	105.5	89.7	73.8	58.0	47.5	38.7	36.9	33.4	29.9	31.6	35.2
75°	70.4	59.8	52.8	42.2	31.6	31.6	21.2	21.2	17.6	21.2	15.9
77.5°	49.3	40.5	31.6	26.3	21.2	19.3	14.1	14.1	12.3	12.3	12.3
80°	35.2	29.9	22.8	19.3	14.1	14.1	12.3	10.6	8.8	8.8	10.6
82.5°	21.2	15.9	15.9	14.1	8.8	7.0	5.3	7.0	3.6	3.6	3.6
85°	12.3	10.6	8.8	5.3	3.6	3.6	1.7	0.0	1.7	1.7	0.0
87.5°	7.0	3.6	3.6	1.7	0.0	1.7	1.7	0.0	0.0	0.0	3.6
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°	3602.5	3602.5	3602.5	3602.5	3602.5	3602.5	3602.5	3602.5	3602.5	3602.5	3602.5
2.5°	3623.6	3621.8	3625.4	3625.4	3636.0	3634.2	3639.5	3639.5	3636.0	3637.7	3644.8
5°	3636.0	3641.3	3651.8	3660.6	3676.4	3683.5	3692.2	3701.0	3702.8	3708.1	3713.4
7.5°	3636.0	3653.6	3665.9	3681.7	3702.8	3715.1	3734.4	3750.3	3757.3	3766.0	3776.6
10°	3628.9	3646.5	3669.4	3687.0	3713.4	3732.8	3752.0	3776.6	3787.2	3801.3	3815.4
12.5°	3614.8	3634.2	3658.8	3681.7	3711.6	3729.2	3753.8	3776.6	3792.5	3811.8	3827.7
15°	3593.8	3616.5	3639.5	3662.3	3693.9	3715.1	3738.0	3764.4	3780.2	3801.3	3815.4
17.5°	3560.3	3584.9	3606.1	3627.1	3657.0	3681.7	3702.8	3727.5	3743.3	3760.9	3780.2
20°	3519.8	3542.7	3565.6	3583.2	3613.0	3634.2	3657.0	3679.9	3692.2	3695.7	3725.7
22.5°	3468.8	3484.7	3502.2	3530.4	3548.0	3567.4	3588.5	3609.6	3621.8	3641.3	3651.8
25°	3384.3	3400.2	3419.6	3431.9	3453.0	3468.8	3490.0	3512.8	3519.8	3534.0	3544.4
27.5°	3266.5	3275.3	3284.2	3294.7	3306.9	3315.8	3328.1	3338.7	3345.8	3352.7	3359.8
30°	3080.0	3080.0	3080.0	3073.0	3078.3	3083.6	3085.3	3083.6	3083.6	3081.8	3081.8
32.5°	2833.8	2819.8	2804.0	2789.9	2784.6	2777.5	2774.0	2768.7	2760.0	2754.7	2756.4
35°	2501.3	2469.7	2450.4	2432.8	2418.8	2408.2	2402.9	2397.6	2395.8	2388.8	2381.7
37.5°	2086.2	2063.4	2049.3	2038.7	2026.5	2015.9	2017.6	2019.4	2024.7	2021.2	2022.9
40°	1646.4	1641.2	1646.4	1634.2	1630.6	1634.2	1643.0	1655.3	1662.3	1669.4	1681.6
42.5°	1252.5	1261.2	1273.6	1273.6	1278.8	1285.9	1296.3	1315.8	1326.3	1338.6	1352.7
45°	942.9	953.4	969.3	974.5	978.1	986.7	999.2	1015.0	1022.0	1032.5	1044.9
47.5°	726.5	733.5	742.3	751.2	759.8	763.4	775.7	775.7	784.6	791.6	795.0
50°	566.4	573.4	580.5	585.8	589.3	594.6	598.1	603.3	605.0	608.6	610.3
52.5°	443.2	452.1	452.1	455.5	460.8	466.1	464.4	466.1	467.9	467.9	473.2
55°	346.5	346.5	351.8	351.8	355.4	353.6	355.4	355.4	355.4	355.4	357.1
57.5°	258.5	260.3	265.6	262.1	260.3	263.8	260.3	263.8	262.1	265.6	260.3
60°	198.8	198.8	200.6	200.6	202.3	202.3	202.3	200.6	200.6	198.8	198.8
62.5°	149.5	151.2	153.1	151.2	151.2	151.2	149.5	149.5	147.8	145.9	145.9
65°	100.2	98.6	102.0	98.6	100.2	100.2	98.6	100.2	95.0	96.8	95.0
67.5°	72.1	70.4	68.6	70.4	68.6	66.8	66.8	68.6	70.4	65.1	65.1
70°	47.5	49.3	47.5	49.3	51.1	51.1	49.3	47.5	49.3	45.8	47.5
72.5°	29.9	29.9	29.9	29.9	29.9	31.6	31.6	31.6	28.1	28.1	26.3
75°	14.1	19.3	15.9	14.1	19.3	19.3	17.6	17.6	15.9	15.9	15.9
77.5°	14.1	10.6	10.6	10.6	10.6	10.6	10.6	10.6	8.8	10.6	8.8
80°	7.0	7.0	7.0	5.3	7.0	7.0	8.8	7.0	7.0	5.3	8.8
82.5°	3.6	3.6	3.6	0.0	1.7	3.6	3.6	1.7	3.6	3.6	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: P248850

CATALOG NUMBER: LD8B80D010 ER8B80927 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3602.5	3602.5	3602.5	3602.5	3602.5	3602.5	3602.5	3602.5	3602.5	3602.5	3602.5
2.5°	3643.0	3641.3	3643.0	3644.8	3643.0	3641.3	3643.0	3644.8	3637.7	3636.0	3639.5
5°	3720.4	3720.4	3723.9	3725.7	3723.9	3720.4	3720.4	3713.4	3708.1	3702.8	3701.0
7.5°	3787.2	3790.8	3794.3	3796.0	3794.3	3790.8	3787.2	3776.6	3766.0	3757.3	3750.3
10°	3827.7	3833.0	3840.0	3843.4	3840.0	3833.0	3827.7	3815.4	3801.3	3787.2	3776.6
12.5°	3845.2	3850.5	3859.3	3857.6	3859.3	3850.5	3845.2	3827.7	3811.8	3792.5	3776.6
15°	3833.0	3840.0	3848.7	3852.3	3848.7	3840.0	3833.0	3815.4	3801.3	3780.2	3764.4
17.5°	3794.3	3804.9	3810.2	3815.4	3810.2	3804.9	3794.3	3780.2	3760.9	3743.3	3727.5
20°	3741.5	3748.6	3755.6	3757.3	3755.6	3748.6	3741.5	3725.7	3695.7	3692.2	3679.9
22.5°	3665.9	3671.2	3687.0	3681.7	3687.0	3671.2	3665.9	3651.8	3641.3	3621.8	3609.6
25°	3556.8	3562.1	3563.9	3565.6	3563.9	3562.1	3556.8	3544.4	3534.0	3519.8	3512.8
27.5°	3368.6	3368.6	3372.1	3373.9	3372.1	3368.6	3368.6	3359.8	3352.7	3345.8	3338.7
30°	3083.6	3083.6	3083.6	3092.4	3083.6	3083.6	3083.6	3081.8	3081.8	3083.6	3083.6
32.5°	2754.7	2751.1	2747.7	2751.1	2747.7	2751.1	2754.7	2756.4	2754.7	2760.0	2768.7
35°	2381.7	2379.9	2385.2	2378.2	2385.2	2379.9	2381.7	2381.7	2388.8	2395.8	2397.6
37.5°	2024.7	2021.2	2028.2	2021.2	2028.2	2021.2	2024.7	2022.9	2021.2	2024.7	2019.4
40°	1685.2	1688.6	1688.6	1702.8	1688.6	1688.6	1685.2	1681.6	1669.4	1662.3	1655.3
42.5°	1359.8	1370.4	1366.8	1377.3	1366.8	1370.4	1359.8	1352.7	1338.6	1326.3	1315.8
45°	1051.9	1059.0	1059.0	1062.4	1059.0	1059.0	1051.9	1044.9	1032.5	1022.0	1015.0
47.5°	807.4	807.4	807.4	809.2	807.4	807.4	807.4	795.0	791.6	784.6	775.7
50°	613.9	615.6	617.5	619.2	617.5	615.6	613.9	610.3	608.6	605.0	603.3
52.5°	471.4	473.2	469.7	473.2	469.7	473.2	471.4	473.2	467.9	467.9	466.1
55°	357.1	355.4	357.1	358.9	357.1	355.4	357.1	357.1	355.4	355.4	355.4
57.5°	262.1	258.5	258.5	258.5	258.5	258.5	262.1	260.3	265.6	262.1	263.8
60°	195.3	197.0	197.0	198.8	197.0	197.0	195.3	198.8	198.8	200.6	200.6
62.5°	144.2	149.5	145.9	149.5	145.9	149.5	144.2	145.9	145.9	147.8	149.5
65°	93.3	93.3	93.3	95.0	93.3	93.3	93.3	95.0	96.8	95.0	100.2
67.5°	63.3	65.1	68.6	66.8	68.6	65.1	63.3	65.1	65.1	70.4	68.6
70°	51.1	45.8	45.8	51.1	45.8	45.8	51.1	47.5	45.8	49.3	47.5
72.5°	29.9	26.3	29.9	29.9	29.9	26.3	29.9	26.3	28.1	28.1	31.6
75°	15.9	14.1	12.3	17.6	12.3	14.1	15.9	15.9	15.9	15.9	17.6
77.5°	10.6	8.8	12.3	12.3	12.3	8.8	10.6	8.8	10.6	8.8	10.6
80°	5.3	7.0	5.3	8.8	5.3	7.0	5.3	8.8	5.3	7.0	7.0
82.5°	1.7	3.6	3.6	3.6	3.6	3.6	1.7	1.7	3.6	3.6	1.7
85°	0.0	3.6	1.7	1.7	1.7	3.6	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: P248850

CATALOG NUMBER: LD8B80D010 ER8B80927 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3602.5	3602.5	3602.5	3602.5	3602.5	3602.5	3602.5	3602.5	3602.5	3602.5	3602.5
2.5°	3639.5	3634.2	3636.0	3625.4	3625.4	3621.8	3623.6	3614.8	3611.4	3607.8	3613.0
5°	3692.2	3683.5	3676.4	3660.6	3651.8	3641.3	3636.0	3621.8	3609.6	3599.0	3597.2
7.5°	3734.4	3715.1	3702.8	3681.7	3665.9	3653.6	3636.0	3616.5	3600.8	3586.7	3576.2
10°	3752.0	3732.8	3713.4	3687.0	3669.4	3646.5	3628.9	3604.3	3583.2	3563.9	3551.5
12.5°	3753.8	3729.2	3711.6	3681.7	3658.8	3634.2	3614.8	3586.7	3562.1	3542.7	3523.4
15°	3738.0	3715.1	3693.9	3662.3	3639.5	3616.5	3593.8	3563.9	3540.9	3518.1	3504.0
17.5°	3702.8	3681.7	3657.0	3627.1	3606.1	3584.9	3560.3	3535.6	3509.3	3484.7	3467.0
20°	3657.0	3634.2	3613.0	3583.2	3565.6	3542.7	3519.8	3493.5	3472.3	3447.7	3428.4
22.5°	3588.5	3567.4	3548.0	3530.4	3502.2	3484.7	3468.8	3439.0	3417.9	3394.9	3373.9
25°	3490.0	3468.8	3453.0	3431.9	3419.6	3400.2	3384.3	3358.0	3338.7	3317.5	3300.0
27.5°	3328.1	3315.8	3306.9	3294.7	3284.2	3275.3	3266.5	3245.4	3231.3	3212.1	3194.4
30°	3085.3	3083.6	3078.3	3073.0	3080.0	3080.0	3080.0	3076.5	3064.3	3050.2	3037.8
32.5°	2774.0	2777.5	2784.6	2789.9	2804.0	2819.8	2833.8	2840.8	2840.8	2832.1	2826.8
35°	2402.9	2408.2	2418.8	2432.8	2450.4	2469.7	2501.3	2508.4	2513.7	2513.7	2506.6
37.5°	2017.6	2015.9	2026.5	2038.7	2049.3	2063.4	2086.2	2091.5	2100.3	2096.8	2089.7
40°	1643.0	1634.2	1630.6	1634.2	1646.4	1641.2	1646.4	1643.0	1643.0	1630.6	1630.6
42.5°	1296.3	1285.9	1278.8	1273.6	1273.6	1261.2	1252.5	1243.7	1238.4	1229.5	1227.8
45°	999.2	986.7	978.1	974.5	969.3	953.4	942.9	932.3	919.9	916.5	918.2
47.5°	775.7	763.4	759.8	751.2	742.3	733.5	726.5	714.2	712.4	705.4	712.4
50°	598.1	594.6	589.3	585.8	580.5	573.4	566.4	559.4	555.9	555.9	557.6
52.5°	464.4	466.1	460.8	455.5	452.1	452.1	443.2	441.6	441.6	434.5	441.6
55°	355.4	353.6	355.4	351.8	351.8	346.5	346.5	341.2	341.2	335.9	339.5
57.5°	260.3	263.8	260.3	262.1	265.6	260.3	258.5	253.2	256.8	253.2	255.0
60°	202.3	202.3	202.3	200.6	200.6	198.8	198.8	197.0	197.0	193.5	197.0
62.5°	149.5	151.2	151.2	151.2	153.1	151.2	149.5	151.2	149.5	149.5	151.2
65°	98.6	100.2	100.2	98.6	102.0	98.6	100.2	102.0	103.7	102.0	103.7
67.5°	66.8	66.8	68.6	70.4	68.6	70.4	72.1	70.4	72.1	75.7	72.1
70°	49.3	51.1	51.1	49.3	47.5	49.3	47.5	52.8	52.8	52.8	56.2
72.5°	31.6	31.6	29.9	29.9	29.9	29.9	29.9	35.2	31.6	29.9	33.4
75°	17.6	19.3	19.3	14.1	15.9	19.3	14.1	15.9	21.2	17.6	21.2
77.5°	10.6	10.6	10.6	10.6	10.6	10.6	14.1	12.3	12.3	12.3	14.1
80°	8.8	7.0	7.0	5.3	7.0	7.0	7.0	10.6	8.8	8.8	10.6
82.5°	3.6	3.6	1.7	0.0	3.6	3.6	3.6	3.6	3.6	3.6	7.0
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	3.6	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: P248850

CATALOG NUMBER: LD8B80D010 ER8B80927 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3602.5	3602.5	3602.5	3602.5	3602.5	3602.5	3602.5	3602.5	3602.5	3602.5	3602.5
2.5°	3599.0	3599.0	3597.2	3593.8	3586.7	3586.7	3584.9	3579.6	3576.2	3574.4	3574.4
5°	3581.4	3574.4	3567.4	3548.0	3548.0	3544.4	3534.0	3526.9	3523.4	3514.6	3511.1
7.5°	3565.6	3544.4	3532.2	3519.8	3504.0	3497.0	3484.7	3479.4	3467.0	3458.2	3453.0
10°	3526.9	3512.8	3497.0	3477.6	3465.3	3451.3	3437.2	3426.6	3410.8	3402.0	3394.9
12.5°	3500.6	3479.4	3465.3	3444.2	3423.2	3410.8	3391.4	3379.2	3363.3	3345.8	3335.2
15°	3475.9	3453.0	3433.7	3410.8	3387.9	3373.9	3351.0	3337.0	3314.0	3296.5	3284.2
17.5°	3439.0	3419.6	3398.5	3370.3	3349.2	3331.7	3306.9	3289.5	3268.4	3245.4	3233.1
20°	3400.2	3377.4	3356.3	3328.1	3306.9	3285.9	3261.3	3241.9	3217.3	3196.2	3182.2
22.5°	3349.2	3322.8	3305.2	3277.1	3252.5	3229.6	3206.8	3183.9	3161.0	3143.4	3127.6
25°	3275.3	3247.2	3227.8	3205.0	3182.2	3164.5	3136.4	3122.3	3099.5	3083.6	3067.8
27.5°	3169.8	3148.6	3131.1	3108.3	3088.9	3074.8	3053.7	3039.6	3020.3	3006.2	2993.8
30°	3015.0	2997.5	2981.6	2958.8	2944.7	2932.3	2913.0	2900.7	2886.6	2870.8	2867.3
32.5°	2807.4	2793.4	2777.5	2761.6	2751.1	2744.1	2728.2	2721.3	2707.2	2698.3	2689.5
35°	2494.4	2482.0	2473.2	2466.2	2462.6	2464.4	2460.9	2467.9	2471.4	2469.7	2471.4
37.5°	2084.5	2077.4	2080.9	2086.2	2103.9	2126.7	2147.7	2179.5	2200.6	2221.8	2241.0
40°	1627.1	1632.4	1646.4	1678.0	1723.8	1774.9	1822.4	1882.2	1942.0	1984.3	2022.9
42.5°	1227.8	1243.7	1278.8	1324.6	1393.2	1468.8	1542.7	1630.6	1702.8	1773.1	1822.4
45°	923.5	944.6	990.3	1053.7	1129.3	1217.2	1310.5	1409.0	1495.2	1567.4	1621.8
47.5°	719.4	738.8	784.6	851.4	944.6	1036.1	1132.9	1234.8	1324.6	1394.9	1442.5
50°	568.1	592.8	633.3	703.6	796.8	893.6	993.9	1094.1	1178.6	1238.4	1280.6
52.5°	446.8	469.7	508.4	582.3	677.2	774.0	867.2	965.7	1039.6	1097.7	1125.8
55°	346.5	367.7	408.0	469.7	559.4	654.4	747.6	832.0	900.7	942.9	969.3
57.5°	263.8	279.7	307.9	369.4	450.3	538.2	617.5	701.9	754.6	784.6	802.1
60°	200.6	212.8	242.8	290.2	364.2	439.8	506.6	569.9	612.2	636.8	654.4
62.5°	151.2	165.4	186.4	226.9	283.2	344.8	401.1	448.5	483.8	499.6	511.9
65°	103.7	114.3	130.2	161.8	209.4	253.2	297.3	332.4	355.4	372.9	380.0
67.5°	77.4	84.4	93.3	117.9	151.2	186.4	216.3	241.0	265.6	272.7	285.0
70°	58.0	63.3	72.1	89.7	109.0	133.6	158.4	172.4	190.0	202.3	205.9
72.5°	36.9	38.7	47.5	58.0	73.8	89.7	105.5	117.9	128.5	135.5	138.9
75°	21.2	31.6	31.6	42.2	52.8	59.8	70.4	79.1	84.4	89.7	89.7
77.5°	14.1	19.3	21.2	26.3	31.6	40.5	49.3	54.6	59.8	61.5	61.5
80°	12.3	14.1	14.1	19.3	22.8	29.9	35.2	36.9	40.5	42.2	45.8
82.5°	5.3	7.0	8.8	14.1	15.9	15.9	21.2	22.8	26.3	28.1	28.1
85°	1.7	3.6	3.6	5.3	8.8	10.6	12.3	14.1	15.9	15.9	17.6
87.5°	1.7	1.7	0.0	1.7	3.6	3.6	7.0	7.0	7.0	10.6	10.6
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: P248850

CATALOG NUMBER: LD8B80D010 ER8B80927 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	3602.5	3602.5	3602.5	3602.5	3602.5	3602.5	3602.5
2.5°	3570.9	3572.7	3565.6	3563.9	3560.3	3562.1	3565.6
5°	3505.8	3507.5	3500.6	3493.5	3493.5	3491.7	3493.5
7.5°	3444.2	3446.0	3435.4	3431.9	3424.8	3426.6	3426.6
10°	3382.6	3382.6	3366.9	3365.0	3359.8	3358.0	3358.0
12.5°	3322.8	3317.5	3305.2	3298.2	3301.8	3291.2	3291.2
15°	3270.0	3261.3	3245.4	3240.1	3231.3	3227.8	3227.8
17.5°	3215.5	3208.5	3194.4	3183.9	3173.3	3171.6	3173.3
20°	3162.7	3155.7	3138.1	3131.1	3122.3	3122.3	3118.8
22.5°	3110.0	3103.0	3087.1	3081.8	3069.6	3069.6	3071.2
25°	3055.5	3050.2	3032.5	3029.1	3027.4	3020.3	3023.8
27.5°	2981.6	2978.1	2964.0	2958.8	2951.7	2950.0	2953.5
30°	2846.1	2840.8	2830.4	2825.1	2812.7	2814.5	2818.0
32.5°	2677.3	2670.3	2656.1	2650.8	2640.4	2636.8	2638.6
35°	2466.2	2460.9	2448.7	2448.7	2438.1	2434.5	2438.1
37.5°	2251.6	2256.9	2251.6	2256.9	2251.6	2249.8	2251.6
40°	2049.3	2068.6	2072.1	2091.5	2084.5	2095.0	2093.3
42.5°	1855.8	1887.4	1899.8	1915.5	1912.2	1919.1	1924.4
45°	1660.5	1686.9	1699.2	1709.8	1711.6	1715.1	1716.9
47.5°	1475.8	1496.9	1498.7	1511.0	1509.3	1509.3	1514.6
50°	1303.5	1317.5	1321.0	1329.9	1322.8	1319.3	1321.0
52.5°	1143.4	1157.4	1153.9	1157.4	1148.7	1145.1	1146.8
55°	979.8	986.7	986.7	986.7	976.3	976.3	976.3
57.5°	812.7	814.5	810.9	812.7	810.9	800.3	798.6
60°	659.7	659.7	657.9	659.7	654.4	649.1	649.1
62.5°	515.4	519.0	525.9	519.0	515.4	519.0	513.7
65°	385.3	392.3	390.5	394.0	392.3	392.3	388.7
67.5°	290.2	292.0	293.7	295.5	295.5	295.5	295.5
70°	212.8	218.1	216.3	216.3	216.3	216.3	226.9
72.5°	142.5	149.5	147.8	151.2	151.2	154.8	151.2
75°	96.8	103.7	100.2	105.5	103.7	100.2	109.0
77.5°	65.1	68.6	70.4	72.1	70.4	68.6	70.4
80°	45.8	49.3	47.5	49.3	49.3	49.3	51.1
82.5°	28.1	33.4	31.6	33.4	31.6	33.4	33.4
85°	19.3	21.2	17.6	21.2	19.3	19.3	22.8
87.5°	12.3	10.6	10.6	12.3	10.6	12.3	10.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)