

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: P249074

Luminaire Tested: **LD8B70D010 ER8B70930 8LBSW0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P249074
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 ER8B70930 8LBSW0MW
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
97 CRI 3000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6152.1 lumens
Efficiency: N/A
Efficacy: 81.1 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

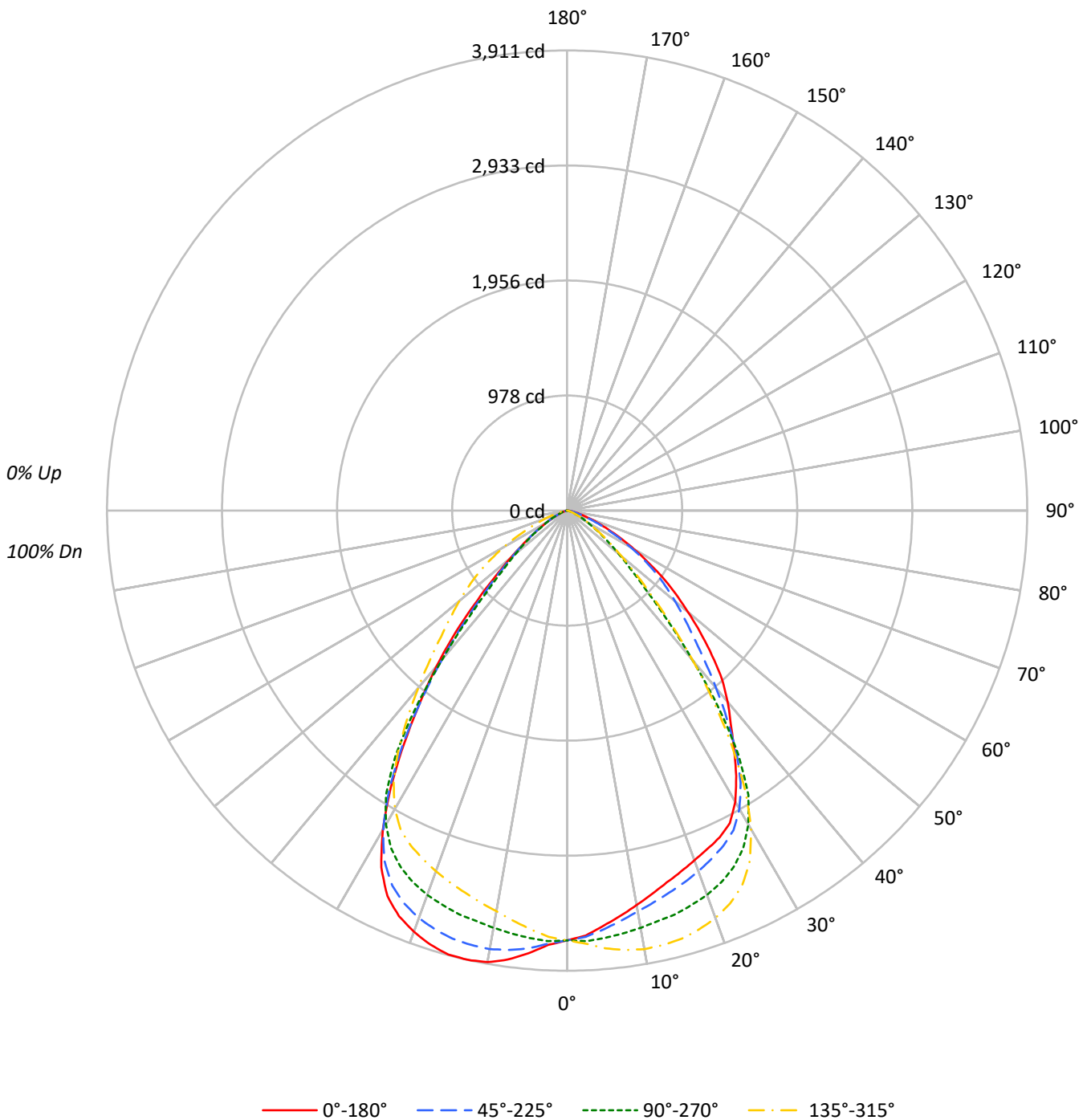
Input Watts (W): 75.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	347.6	5.7
10°-20°	1006.7	16.4
20°-30°	1524.3	24.8
30°-40°	1527.7	24.8
40°-50°	959.3	15.6
50°-60°	511.2	8.3
60°-70°	210.2	3.4
70°-80°	55.5	0.9
80°-90°	9.4	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°	2878.6	46.8
0°-40°	4406.3	71.6
0°-60°	5876.9	95.5
0°-90°	6152.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6152.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3652	3652	3652	3652	3652	
5°	3542	3647	3777	3647	3542	334
15°	3272	3552	3906	3552	3272	926
25°	3066	3346	3615	3346	3066	1406
35°	2472	2541	2411	2541	2472	1549
45°	1741	931	1077	931	1741	1339
55°	990	344	364	344	990	882
65°	394	105	96	105	394	409
75°	110	21	18	21	110	125
85°	23	0	2	0	23	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°	3652.3	3652.3	3652.3	3652.3	3652.3	3652.3	3652.3	3652.3	3652.3	3652.3	3652.3
2.5°	3614.9	3611.2	3609.5	3613.1	3614.9	3622.0	3620.2	3623.7	3623.7	3625.5	3629.1
5°	3541.7	3539.9	3541.7	3541.7	3548.9	3555.9	3554.2	3559.5	3563.1	3572.1	3575.5
7.5°	3474.0	3474.0	3472.2	3479.2	3482.8	3493.6	3491.7	3500.7	3506.0	3514.9	3527.5
10°	3404.4	3404.4	3406.2	3411.5	3413.3	3429.4	3429.4	3441.8	3449.0	3457.9	3474.0
12.5°	3336.7	3336.7	3347.3	3343.7	3350.9	3363.3	3368.7	3381.2	3391.9	3409.7	3425.8
15°	3272.4	3272.4	3276.0	3284.9	3290.2	3306.3	3315.2	3329.5	3342.0	3359.9	3383.1
17.5°	3217.2	3215.4	3217.2	3227.8	3238.6	3252.8	3260.0	3277.8	3290.2	3313.5	3334.9
20°	3161.9	3165.5	3165.5	3174.3	3181.5	3199.3	3206.4	3226.1	3240.4	3261.7	3286.8
22.5°	3113.7	3111.9	3111.9	3124.5	3129.8	3145.8	3152.9	3170.7	3186.8	3204.7	3227.8
25°	3065.6	3062.0	3069.2	3070.9	3074.5	3092.3	3097.7	3110.1	3126.2	3142.3	3165.5
27.5°	2994.2	2990.7	2992.4	2999.6	3005.0	3019.2	3022.8	3035.2	3047.8	3062.0	3081.6
30°	2856.9	2853.4	2851.6	2864.0	2869.4	2880.1	2885.5	2906.9	2910.3	2926.5	2940.7
32.5°	2674.9	2673.2	2676.8	2687.5	2692.9	2707.1	2714.3	2726.7	2735.6	2744.5	2758.8
35°	2471.7	2468.1	2471.7	2482.5	2482.5	2494.9	2500.3	2505.5	2503.8	2505.5	2502.1
37.5°	2282.7	2280.9	2282.7	2288.0	2282.7	2288.0	2282.7	2272.0	2252.4	2231.0	2209.5
40°	2122.2	2124.0	2113.3	2120.4	2100.8	2097.2	2077.7	2050.9	2011.6	1968.8	1908.2
42.5°	1951.0	1945.6	1938.5	1942.0	1926.0	1913.4	1881.4	1847.5	1797.6	1726.3	1653.1
45°	1740.6	1738.8	1735.2	1733.4	1722.8	1710.2	1683.4	1644.3	1589.0	1515.8	1428.5
47.5°	1535.4	1530.1	1530.1	1531.8	1519.4	1517.6	1496.2	1462.3	1414.1	1342.8	1251.9
50°	1339.3	1337.5	1341.1	1348.2	1339.3	1335.8	1321.4	1298.3	1255.5	1194.9	1109.2
52.5°	1162.7	1160.9	1164.5	1173.5	1169.9	1173.5	1159.2	1141.4	1112.8	1054.0	979.1
55°	989.7	989.7	989.7	1000.4	1000.4	1000.4	993.3	982.7	955.9	913.1	843.6
57.5°	809.7	811.4	822.1	823.9	822.1	825.7	823.9	813.2	795.3	765.1	711.6
60°	658.0	658.0	663.4	668.8	667.0	668.8	668.8	663.4	645.6	620.6	577.9
62.5°	520.7	526.1	522.5	526.1	533.3	526.1	522.5	518.9	506.5	490.4	454.8
65°	394.1	397.7	397.7	399.4	395.8	397.7	390.6	385.2	378.1	360.3	337.1
67.5°	299.6	299.6	299.6	299.6	297.8	296.1	294.3	288.9	276.4	269.3	244.3
70°	230.0	219.4	219.4	219.4	219.4	221.2	215.8	208.7	205.1	192.6	174.8
72.5°	153.4	156.9	153.4	153.4	149.8	151.6	144.5	140.9	137.3	130.3	119.5
75°	110.5	101.7	105.1	107.1	101.7	105.1	98.1	90.9	90.9	85.6	80.3
77.5°	71.3	69.6	71.3	73.1	71.3	69.6	66.0	62.4	62.4	60.6	55.3
80°	51.8	49.9	49.9	49.9	48.2	49.9	46.4	46.4	42.8	41.0	37.4
82.5°	34.0	34.0	32.1	34.0	32.1	34.0	28.6	28.6	28.6	26.7	23.2
85°	23.2	19.6	19.6	21.4	17.8	21.4	19.6	17.8	16.0	16.0	14.2
87.5°	10.8	12.4	10.8	12.4	10.8	10.8	12.4	10.8	10.8	7.2	7.2
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°	3652.3	3652.3	3652.3	3652.3	3652.3	3652.3	3652.3	3652.3	3652.3	3652.3	3652.3
2.5°	3634.4	3636.2	3636.2	3643.4	3646.9	3648.6	3648.6	3663.0	3657.6	3661.2	3664.8
5°	3582.7	3593.4	3597.0	3597.0	3616.6	3623.7	3630.8	3646.9	3648.6	3659.4	3671.8
7.5°	3532.7	3545.3	3552.4	3568.5	3580.9	3593.4	3614.9	3625.5	3636.2	3650.5	3666.6
10°	3484.6	3499.0	3513.2	3525.7	3545.3	3561.3	3575.5	3600.5	3613.1	3632.7	3654.0
12.5°	3438.3	3457.9	3470.4	3491.7	3513.2	3527.5	3548.9	3572.1	3591.7	3611.2	3636.2
15°	3397.3	3420.5	3434.7	3457.9	3481.2	3500.7	3523.9	3552.4	3566.7	3589.9	3613.1
17.5°	3352.7	3377.7	3395.5	3416.9	3445.4	3466.8	3486.4	3514.9	3532.7	3557.7	3584.5
20°	3306.3	3331.3	3352.7	3374.1	3402.7	3424.0	3447.2	3475.8	3495.4	3520.3	3541.7
22.5°	3251.0	3274.2	3297.4	3322.3	3350.9	3368.7	3395.5	3420.5	3441.8	3465.0	3486.4
25°	3179.7	3208.3	3226.1	3249.2	3272.4	3292.0	3320.5	3345.5	3363.3	3384.7	3404.4
27.5°	3095.9	3117.3	3131.5	3151.1	3174.3	3192.2	3213.6	3238.6	3256.4	3276.0	3290.2
30°	2953.2	2972.9	2985.3	2999.6	3022.8	3038.8	3056.6	3079.8	3092.3	3106.6	3119.1
32.5°	2766.0	2782.0	2789.2	2799.8	2816.0	2831.9	2846.2	2865.8	2871.2	2880.1	2880.1
35°	2494.9	2498.5	2496.7	2500.3	2507.5	2516.3	2528.8	2541.2	2548.4	2548.4	2543.1
37.5°	2177.4	2156.1	2132.9	2115.1	2109.7	2106.1	2113.3	2118.6	2125.8	2129.3	2120.4
40°	1847.5	1799.4	1747.6	1701.2	1669.2	1654.9	1649.6	1653.1	1653.1	1665.6	1665.6
42.5°	1564.0	1489.0	1412.5	1342.8	1296.4	1260.9	1244.8	1244.8	1246.6	1255.5	1260.9
45°	1328.6	1234.1	1144.9	1068.2	1004.0	957.7	936.3	930.9	929.2	932.7	945.1
47.5°	1148.5	1050.4	957.7	863.2	795.3	749.1	729.4	722.3	715.1	722.3	724.1
50°	1007.7	906.0	807.9	713.3	642.0	601.0	576.0	565.3	563.5	563.5	567.1
52.5°	879.2	784.7	686.6	590.3	515.3	476.2	453.0	447.6	440.4	447.6	447.6
55°	757.9	663.4	567.1	476.2	413.6	372.7	351.3	344.1	340.6	345.9	345.9
57.5°	626.0	545.7	456.6	374.5	312.1	283.6	267.5	258.6	256.8	260.4	256.8
60°	513.6	445.8	369.1	294.3	246.2	215.8	203.3	199.8	196.2	199.8	199.8
62.5°	406.6	349.5	287.1	230.0	189.0	167.7	153.4	153.4	151.6	151.6	153.4
65°	301.4	256.8	212.2	164.0	131.9	115.9	105.1	105.1	103.5	105.1	103.5
67.5°	219.4	189.0	153.4	119.5	94.5	85.6	78.5	73.1	76.7	73.1	71.3
70°	160.5	135.5	110.5	90.9	73.1	64.2	58.9	57.1	53.5	53.5	53.5
72.5°	107.1	90.9	74.9	58.9	48.2	39.2	37.4	34.0	30.3	32.1	35.6
75°	71.3	60.6	53.5	42.8	32.1	32.1	21.4	21.4	17.8	21.4	16.0
77.5°	49.9	41.0	32.1	26.7	21.4	19.6	14.2	14.2	12.4	12.4	12.4
80°	35.6	30.3	23.2	19.6	14.2	14.2	12.4	10.8	8.9	8.9	10.8
82.5°	21.4	16.0	16.0	14.2	8.9	7.2	5.4	7.2	3.6	3.6	3.6
85°	12.4	10.8	8.9	5.4	3.6	3.6	1.8	0.0	1.8	1.8	0.0
87.5°	7.2	3.6	3.6	1.8	0.0	1.8	1.8	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°	3652.3	3652.3	3652.3	3652.3	3652.3	3652.3	3652.3	3652.3	3652.3	3652.3	3652.3
2.5°	3673.7	3671.8	3675.4	3675.4	3686.2	3684.4	3689.7	3689.7	3686.2	3688.0	3695.0
5°	3686.2	3691.6	3702.2	3711.2	3727.1	3734.4	3743.2	3752.2	3753.9	3759.3	3764.7
7.5°	3686.2	3704.0	3716.5	3732.5	3753.9	3766.4	3786.1	3802.1	3809.2	3818.1	3828.8
10°	3679.0	3696.8	3720.0	3737.9	3764.7	3784.3	3803.9	3828.8	3839.5	3853.8	3868.1
12.5°	3664.8	3684.4	3709.3	3732.5	3762.9	3780.7	3805.6	3828.8	3844.9	3864.5	3880.6
15°	3643.4	3666.6	3689.7	3712.9	3745.0	3766.4	3789.7	3816.3	3832.4	3853.8	3868.1
17.5°	3609.5	3634.4	3655.9	3677.2	3707.6	3732.5	3753.9	3778.9	3794.9	3812.9	3832.4
20°	3568.5	3591.7	3614.9	3632.7	3663.0	3684.4	3707.6	3730.8	3743.2	3746.8	3777.1
22.5°	3516.8	3532.7	3550.7	3579.1	3597.0	3616.6	3638.0	3659.4	3671.8	3691.6	3702.2
25°	3431.2	3447.2	3466.8	3479.2	3500.7	3516.8	3538.1	3561.3	3568.5	3582.7	3593.4
27.5°	3311.7	3320.5	3329.5	3340.1	3352.7	3361.5	3374.1	3384.7	3391.9	3399.0	3406.2
30°	3122.5	3122.5	3122.5	3115.5	3120.9	3126.2	3127.9	3126.2	3126.2	3124.5	3124.5
32.5°	2872.9	2858.7	2842.6	2828.4	2823.0	2816.0	2812.4	2807.0	2798.1	2792.7	2794.4
35°	2535.9	2503.8	2484.2	2466.3	2452.1	2441.4	2436.0	2430.7	2429.0	2421.8	2414.6
37.5°	2115.1	2091.9	2077.7	2066.9	2054.5	2043.7	2045.5	2047.3	2052.6	2049.1	2050.9
40°	1669.2	1663.8	1669.2	1656.7	1653.1	1656.7	1665.6	1678.1	1685.3	1692.4	1704.9
42.5°	1269.8	1278.6	1291.2	1291.2	1296.4	1303.6	1314.3	1334.0	1344.6	1357.1	1371.4
45°	955.9	966.5	982.7	987.9	991.5	1000.4	1012.9	1029.0	1036.1	1046.8	1059.3
47.5°	736.5	743.7	752.5	761.5	770.4	773.9	786.5	786.5	795.3	802.5	806.0
50°	574.3	581.4	588.5	593.8	597.4	602.8	606.3	611.6	613.4	617.0	618.8
52.5°	449.4	458.4	458.4	461.9	467.2	472.6	470.8	472.6	474.3	474.3	479.7
55°	351.3	351.3	356.7	356.7	360.3	358.4	360.3	360.3	360.3	360.3	362.1
57.5°	262.1	264.0	269.3	265.7	264.0	267.5	264.0	267.5	265.7	269.3	264.0
60°	201.4	201.4	203.3	203.3	205.1	205.1	205.1	203.3	203.3	201.4	201.4
62.5°	151.6	153.4	155.1	153.4	153.4	153.4	151.6	151.6	149.8	148.0	148.0
65°	101.7	99.9	103.5	99.9	101.7	101.7	99.9	101.7	96.3	98.1	96.3
67.5°	73.1	71.3	69.6	71.3	69.6	67.7	67.7	69.6	71.3	66.0	66.0
70°	48.2	49.9	48.2	49.9	51.8	51.8	49.9	48.2	49.9	46.4	48.2
72.5°	30.3	30.3	30.3	30.3	30.3	32.1	32.1	32.1	28.6	28.6	26.7
75°	14.2	19.6	16.0	14.2	19.6	19.6	17.8	17.8	16.0	16.0	16.0
77.5°	14.2	10.8	10.8	10.8	10.8	10.8	10.8	10.8	8.9	10.8	8.9
80°	7.2	7.2	7.2	5.4	7.2	7.2	8.9	7.2	7.2	5.4	8.9
82.5°	3.6	3.6	3.6	0.0	1.8	3.6	3.6	1.8	3.6	3.6	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: P249074

CATALOG NUMBER: LD8B70D010 ER8B70930 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3652.3	3652.3	3652.3	3652.3	3652.3	3652.3	3652.3	3652.3	3652.3	3652.3	3652.3
2.5°	3693.4	3691.6	3693.4	3695.0	3693.4	3691.6	3693.4	3695.0	3688.0	3686.2	3689.7
5°	3771.8	3771.8	3775.3	3777.1	3775.3	3771.8	3771.8	3764.7	3759.3	3753.9	3752.2
7.5°	3839.5	3843.1	3846.6	3848.4	3846.6	3843.1	3839.5	3828.8	3818.1	3809.2	3802.1
10°	3880.6	3885.9	3893.0	3896.6	3893.0	3885.9	3880.6	3868.1	3853.8	3839.5	3828.8
12.5°	3898.4	3903.8	3912.6	3910.8	3912.6	3903.8	3898.4	3880.6	3864.5	3844.9	3828.8
15°	3885.9	3893.0	3902.0	3905.6	3902.0	3893.0	3885.9	3868.1	3853.8	3832.4	3816.3
17.5°	3846.6	3857.4	3862.7	3868.1	3862.7	3857.4	3846.6	3832.4	3812.9	3794.9	3778.9
20°	3793.1	3800.3	3807.5	3809.2	3807.5	3800.3	3793.1	3777.1	3746.8	3743.2	3730.8
22.5°	3716.5	3721.8	3737.9	3732.5	3737.9	3721.8	3716.5	3702.2	3691.6	3671.8	3659.4
25°	3605.9	3611.2	3613.1	3614.9	3613.1	3611.2	3605.9	3593.4	3582.7	3568.5	3561.3
27.5°	3415.1	3415.1	3418.6	3420.5	3418.6	3415.1	3415.1	3406.2	3399.0	3391.9	3384.7
30°	3126.2	3126.2	3126.2	3135.1	3126.2	3126.2	3126.2	3124.5	3124.5	3126.2	3126.2
32.5°	2792.7	2789.2	2785.6	2789.2	2785.6	2789.2	2792.7	2794.4	2792.7	2798.1	2807.0
35°	2414.6	2412.8	2418.2	2411.0	2418.2	2412.8	2414.6	2414.6	2421.8	2429.0	2430.7
37.5°	2052.6	2049.1	2056.1	2049.1	2056.1	2049.1	2052.6	2050.9	2049.1	2052.6	2047.3
40°	1708.5	1712.0	1712.0	1726.3	1712.0	1712.0	1708.5	1704.9	1692.4	1685.3	1678.1
42.5°	1378.5	1389.3	1385.7	1396.3	1385.7	1389.3	1378.5	1371.4	1357.1	1344.6	1334.0
45°	1066.4	1073.6	1073.6	1077.2	1073.6	1073.6	1066.4	1059.3	1046.8	1036.1	1029.0
47.5°	818.6	818.6	818.6	820.3	818.6	818.6	818.6	806.0	802.5	795.3	786.5
50°	622.4	624.2	626.0	627.8	626.0	624.2	622.4	618.8	617.0	613.4	611.6
52.5°	477.9	479.7	476.2	479.7	476.2	479.7	477.9	479.7	474.3	474.3	472.6
55°	362.1	360.3	362.1	363.8	362.1	360.3	362.1	362.1	360.3	360.3	360.3
57.5°	265.7	262.1	262.1	262.1	262.1	262.1	265.7	264.0	269.3	265.7	267.5
60°	198.0	199.8	199.8	201.4	199.8	199.8	198.0	201.4	201.4	203.3	203.3
62.5°	146.2	151.6	148.0	151.6	148.0	151.6	146.2	148.0	148.0	149.8	151.6
65°	94.5	94.5	94.5	96.3	94.5	94.5	94.5	96.3	98.1	96.3	101.7
67.5°	64.2	66.0	69.6	67.7	69.6	66.0	64.2	66.0	66.0	71.3	69.6
70°	51.8	46.4	46.4	51.8	46.4	46.4	51.8	48.2	46.4	49.9	48.2
72.5°	30.3	26.7	30.3	30.3	30.3	26.7	30.3	26.7	28.6	28.6	32.1
75°	16.0	14.2	12.4	17.8	12.4	14.2	16.0	16.0	16.0	16.0	17.8
77.5°	10.8	8.9	12.4	12.4	12.4	8.9	10.8	8.9	10.8	8.9	10.8
80°	5.4	7.2	5.4	8.9	5.4	7.2	5.4	8.9	5.4	7.2	7.2
82.5°	1.8	3.6	3.6	3.6	3.6	3.6	1.8	1.8	3.6	3.6	1.8
85°	0.0	3.6	1.8	1.8	1.8	3.6	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: P249074

CATALOG NUMBER: LD8B70D010 ER8B70930 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3652.3	3652.3	3652.3	3652.3	3652.3	3652.3	3652.3	3652.3	3652.3	3652.3	3652.3
2.5°	3689.7	3684.4	3686.2	3675.4	3675.4	3671.8	3673.7	3664.8	3661.2	3657.6	3663.0
5°	3743.2	3734.4	3727.1	3711.2	3702.2	3691.6	3686.2	3671.8	3659.4	3648.6	3646.9
7.5°	3786.1	3766.4	3753.9	3732.5	3716.5	3704.0	3686.2	3666.6	3650.5	3636.2	3625.5
10°	3803.9	3784.3	3764.7	3737.9	3720.0	3696.8	3679.0	3654.0	3632.7	3613.1	3600.5
12.5°	3805.6	3780.7	3762.9	3732.5	3709.3	3684.4	3664.8	3636.2	3611.2	3591.7	3572.1
15°	3789.7	3766.4	3745.0	3712.9	3689.7	3666.6	3643.4	3613.1	3589.9	3566.7	3552.4
17.5°	3753.9	3732.5	3707.6	3677.2	3655.9	3634.4	3609.5	3584.5	3557.7	3532.7	3514.9
20°	3707.6	3684.4	3663.0	3632.7	3614.9	3591.7	3568.5	3541.7	3520.3	3495.4	3475.8
22.5°	3638.0	3616.6	3597.0	3579.1	3550.7	3532.7	3516.8	3486.4	3465.0	3441.8	3420.5
25°	3538.1	3516.8	3500.7	3479.2	3466.8	3447.2	3431.2	3404.4	3384.7	3363.3	3345.5
27.5°	3374.1	3361.5	3352.7	3340.1	3329.5	3320.5	3311.7	3290.2	3276.0	3256.4	3238.6
30°	3127.9	3126.2	3120.9	3115.5	3122.5	3122.5	3122.5	3119.1	3106.6	3092.3	3079.8
32.5°	2812.4	2816.0	2823.0	2828.4	2842.6	2858.7	2872.9	2880.1	2880.1	2871.2	2865.8
35°	2436.0	2441.4	2452.1	2466.3	2484.2	2503.8	2535.9	2543.1	2548.4	2548.4	2541.2
37.5°	2045.5	2043.7	2054.5	2066.9	2077.7	2091.9	2115.1	2120.4	2129.3	2125.8	2118.6
40°	1665.6	1656.7	1653.1	1656.7	1669.2	1663.8	1669.2	1665.6	1665.6	1653.1	1653.1
42.5°	1314.3	1303.6	1296.4	1291.2	1291.2	1278.6	1269.8	1260.9	1255.5	1246.6	1244.8
45°	1012.9	1000.4	991.5	987.9	982.7	966.5	955.9	945.1	932.7	929.2	930.9
47.5°	786.5	773.9	770.4	761.5	752.5	743.7	736.5	724.1	722.3	715.1	722.3
50°	606.3	602.8	597.4	593.8	588.5	581.4	574.3	567.1	563.5	563.5	565.3
52.5°	470.8	472.6	467.2	461.9	458.4	458.4	449.4	447.6	447.6	440.4	447.6
55°	360.3	358.4	360.3	356.7	356.7	351.3	351.3	345.9	345.9	340.6	344.1
57.5°	264.0	267.5	264.0	265.7	269.3	264.0	262.1	256.8	260.4	256.8	258.6
60°	205.1	205.1	205.1	203.3	203.3	201.4	201.4	199.8	199.8	196.2	199.8
62.5°	151.6	153.4	153.4	153.4	155.1	153.4	151.6	153.4	151.6	151.6	153.4
65°	99.9	101.7	101.7	99.9	103.5	99.9	101.7	103.5	105.1	103.5	105.1
67.5°	67.7	67.7	69.6	71.3	69.6	71.3	73.1	71.3	73.1	76.7	73.1
70°	49.9	51.8	51.8	49.9	48.2	49.9	48.2	53.5	53.5	53.5	57.1
72.5°	32.1	32.1	30.3	30.3	30.3	30.3	30.3	35.6	32.1	30.3	34.0
75°	17.8	19.6	19.6	14.2	16.0	19.6	14.2	16.0	21.4	17.8	21.4
77.5°	10.8	10.8	10.8	10.8	10.8	10.8	14.2	12.4	12.4	12.4	14.2
80°	8.9	7.2	7.2	5.4	7.2	7.2	7.2	10.8	8.9	8.9	10.8
82.5°	3.6	3.6	1.8	0.0	3.6	3.6	3.6	3.6	3.6	3.6	7.2
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	3.6	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: P249074

CATALOG NUMBER: LD8B70D010 ER8B70930 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3652.3	3652.3	3652.3	3652.3	3652.3	3652.3	3652.3	3652.3	3652.3	3652.3	3652.3
2.5°	3648.6	3648.6	3646.9	3643.4	3636.2	3636.2	3634.4	3629.1	3625.5	3623.7	3623.7
5°	3630.8	3623.7	3616.6	3597.0	3597.0	3593.4	3582.7	3575.5	3572.1	3563.1	3559.5
7.5°	3614.9	3593.4	3580.9	3568.5	3552.4	3545.3	3532.7	3527.5	3514.9	3506.0	3500.7
10°	3575.5	3561.3	3545.3	3525.7	3513.2	3499.0	3484.6	3474.0	3457.9	3449.0	3441.8
12.5°	3548.9	3527.5	3513.2	3491.7	3470.4	3457.9	3438.3	3425.8	3409.7	3391.9	3381.2
15°	3523.9	3500.7	3481.2	3457.9	3434.7	3420.5	3397.3	3383.1	3359.9	3342.0	3329.5
17.5°	3486.4	3466.8	3445.4	3416.9	3395.5	3377.7	3352.7	3334.9	3313.5	3290.2	3277.8
20°	3447.2	3424.0	3402.7	3374.1	3352.7	3331.3	3306.3	3286.8	3261.7	3240.4	3226.1
22.5°	3395.5	3368.7	3350.9	3322.3	3297.4	3274.2	3251.0	3227.8	3204.7	3186.8	3170.7
25°	3320.5	3292.0	3272.4	3249.2	3226.1	3208.3	3179.7	3165.5	3142.3	3126.2	3110.1
27.5°	3213.6	3192.2	3174.3	3151.1	3131.5	3117.3	3095.9	3081.6	3062.0	3047.8	3035.2
30°	3056.6	3038.8	3022.8	2999.6	2985.3	2972.9	2953.2	2940.7	2926.5	2910.3	2906.9
32.5°	2846.2	2831.9	2816.0	2799.8	2789.2	2782.0	2766.0	2758.8	2744.5	2735.6	2726.7
35°	2528.8	2516.3	2507.5	2500.3	2496.7	2498.5	2494.9	2502.1	2505.5	2503.8	2505.5
37.5°	2113.3	2106.1	2109.7	2115.1	2132.9	2156.1	2177.4	2209.5	2231.0	2252.4	2272.0
40°	1649.6	1654.9	1669.2	1701.2	1747.6	1799.4	1847.5	1908.2	1968.8	2011.6	2050.9
42.5°	1244.8	1260.9	1296.4	1342.8	1412.5	1489.0	1564.0	1653.1	1726.3	1797.6	1847.5
45°	936.3	957.7	1004.0	1068.2	1144.9	1234.1	1328.6	1428.5	1515.8	1589.0	1644.3
47.5°	729.4	749.1	795.3	863.2	957.7	1050.4	1148.5	1251.9	1342.8	1414.1	1462.3
50°	576.0	601.0	642.0	713.3	807.9	906.0	1007.7	1109.2	1194.9	1255.5	1298.3
52.5°	453.0	476.2	515.3	590.3	686.6	784.7	879.2	979.1	1054.0	1112.8	1141.4
55°	351.3	372.7	413.6	476.2	567.1	663.4	757.9	843.6	913.1	955.9	982.7
57.5°	267.5	283.6	312.1	374.5	456.6	545.7	626.0	711.6	765.1	795.3	813.2
60°	203.3	215.8	246.2	294.3	369.1	445.8	513.6	577.9	620.6	645.6	663.4
62.5°	153.4	167.7	189.0	230.0	287.1	349.5	406.6	454.8	490.4	506.5	518.9
65°	105.1	115.9	131.9	164.0	212.2	256.8	301.4	337.1	360.3	378.1	385.2
67.5°	78.5	85.6	94.5	119.5	153.4	189.0	219.4	244.3	269.3	276.4	288.9
70°	58.9	64.2	73.1	90.9	110.5	135.5	160.5	174.8	192.6	205.1	208.7
72.5°	37.4	39.2	48.2	58.9	74.9	90.9	107.1	119.5	130.3	137.3	140.9
75°	21.4	32.1	32.1	42.8	53.5	60.6	71.3	80.3	85.6	90.9	90.9
77.5°	14.2	19.6	21.4	26.7	32.1	41.0	49.9	55.3	60.6	62.4	62.4
80°	12.4	14.2	14.2	19.6	23.2	30.3	35.6	37.4	41.0	42.8	46.4
82.5°	5.4	7.2	8.9	14.2	16.0	16.0	21.4	23.2	26.7	28.6	28.6
85°	1.8	3.6	3.6	5.4	8.9	10.8	12.4	14.2	16.0	16.0	17.8
87.5°	1.8	1.8	0.0	1.8	3.6	3.6	7.2	7.2	7.2	10.8	10.8
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: P249074

CATALOG NUMBER: LD8B70D010 ER8B70930 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	3652.3	3652.3	3652.3	3652.3	3652.3	3652.3	3652.3
2.5°	3620.2	3622.0	3614.9	3613.1	3609.5	3611.2	3614.9
5°	3554.2	3555.9	3548.9	3541.7	3541.7	3539.9	3541.7
7.5°	3491.7	3493.6	3482.8	3479.2	3472.2	3474.0	3474.0
10°	3429.4	3429.4	3413.3	3411.5	3406.2	3404.4	3404.4
12.5°	3368.7	3363.3	3350.9	3343.7	3347.3	3336.7	3336.7
15°	3315.2	3306.3	3290.2	3284.9	3276.0	3272.4	3272.4
17.5°	3260.0	3252.8	3238.6	3227.8	3217.2	3215.4	3217.2
20°	3206.4	3199.3	3181.5	3174.3	3165.5	3165.5	3161.9
22.5°	3152.9	3145.8	3129.8	3124.5	3111.9	3111.9	3113.7
25°	3097.7	3092.3	3074.5	3070.9	3069.2	3062.0	3065.6
27.5°	3022.8	3019.2	3005.0	2999.6	2992.4	2990.7	2994.2
30°	2885.5	2880.1	2869.4	2864.0	2851.6	2853.4	2856.9
32.5°	2714.3	2707.1	2692.9	2687.5	2676.8	2673.2	2674.9
35°	2500.3	2494.9	2482.5	2482.5	2471.7	2468.1	2471.7
37.5°	2282.7	2288.0	2282.7	2288.0	2282.7	2280.9	2282.7
40°	2077.7	2097.2	2100.8	2120.4	2113.3	2124.0	2122.2
42.5°	1881.4	1913.4	1926.0	1942.0	1938.5	1945.6	1951.0
45°	1683.4	1710.2	1722.8	1733.4	1735.2	1738.8	1740.6
47.5°	1496.2	1517.6	1519.4	1531.8	1530.1	1530.1	1535.4
50°	1321.4	1335.8	1339.3	1348.2	1341.1	1337.5	1339.3
52.5°	1159.2	1173.5	1169.9	1173.5	1164.5	1160.9	1162.7
55°	993.3	1000.4	1000.4	1000.4	989.7	989.7	989.7
57.5°	823.9	825.7	822.1	823.9	822.1	811.4	809.7
60°	668.8	668.8	667.0	668.8	663.4	658.0	658.0
62.5°	522.5	526.1	533.3	526.1	522.5	526.1	520.7
65°	390.6	397.7	395.8	399.4	397.7	397.7	394.1
67.5°	294.3	296.1	297.8	299.6	299.6	299.6	299.6
70°	215.8	221.2	219.4	219.4	219.4	219.4	230.0
72.5°	144.5	151.6	149.8	153.4	153.4	156.9	153.4
75°	98.1	105.1	101.7	107.1	105.1	101.7	110.5
77.5°	66.0	69.6	71.3	73.1	71.3	69.6	71.3
80°	46.4	49.9	48.2	49.9	49.9	49.9	51.8
82.5°	28.6	34.0	32.1	34.0	32.1	34.0	34.0
85°	19.6	21.4	17.8	21.4	19.6	19.6	23.2
87.5°	12.4	10.8	10.8	12.4	10.8	12.4	10.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)