

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: P248969

Luminaire Tested: **LD8B100D010 ER8B1009730 8LBSW0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248969
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: LD8B100D010 ER8B1009730 8LBSW0B
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
97 CRI 3000 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6122.0 lumens
Efficiency: N/A
Efficacy: 57.6 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

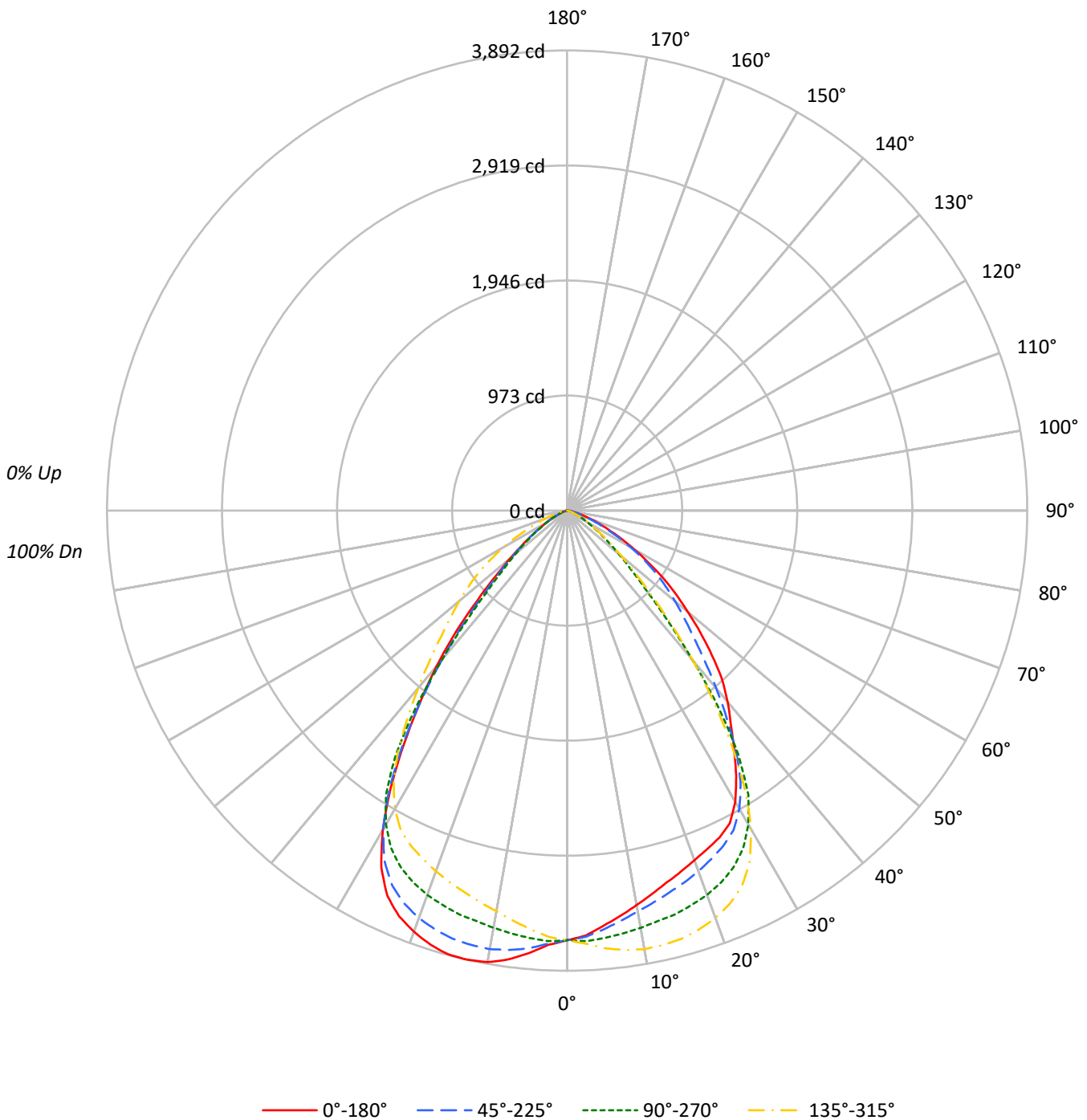
Input Watts (W): 106.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	345.9	5.7
10°-20°	1001.7	16.4
20°-30°	1516.9	24.8
30°-40°	1520.3	24.8
40°-50°	954.7	15.6
50°-60°	508.7	8.3
60°-70°	209.2	3.4
70°-80°	55.3	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°	2864.5	46.8
0°-40°	4384.8	71.6
0°-60°	5848.2	95.5
0°-90°	6122.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6122.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3634	3634	3634	3634	3634	
5°	3524	3629	3759	3629	3524	332
15°	3256	3535	3886	3535	3256	921
25°	3051	3329	3597	3329	3051	1399
35°	2460	2529	2399	2529	2460	1541
45°	1732	926	1072	926	1732	1332
55°	985	342	362	342	985	878
65°	392	105	96	105	392	407
75°	110	21	18	21	110	125
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°	3634.4	3634.4	3634.4	3634.4	3634.4	3634.4	3634.4	3634.4	3634.4	3634.4	3634.4
2.5°	3597.2	3593.6	3591.9	3595.4	3597.2	3604.3	3602.5	3606.0	3606.0	3607.8	3611.4
5°	3524.4	3522.6	3524.4	3524.4	3531.5	3538.6	3536.8	3542.2	3545.7	3554.6	3558.1
7.5°	3457.0	3457.0	3455.2	3462.3	3465.8	3476.5	3474.7	3483.6	3488.9	3497.8	3510.2
10°	3387.8	3387.8	3389.5	3394.8	3396.7	3412.6	3412.6	3425.0	3432.1	3441.0	3457.0
12.5°	3320.3	3320.3	3331.0	3327.4	3334.5	3346.9	3352.3	3364.7	3375.3	3393.1	3409.1
15°	3256.4	3256.4	3260.0	3268.8	3274.2	3290.2	3299.0	3313.3	3325.7	3343.4	3366.5
17.5°	3201.4	3199.7	3201.4	3212.1	3222.8	3236.9	3244.0	3261.8	3274.2	3297.3	3318.6
20°	3146.4	3150.0	3150.0	3158.8	3165.9	3183.7	3190.8	3210.3	3224.5	3245.8	3270.7
22.5°	3098.5	3096.8	3096.8	3109.2	3114.5	3130.4	3137.5	3155.3	3171.3	3189.0	3212.1
25°	3050.6	3047.0	3054.2	3055.9	3059.4	3077.2	3082.5	3094.9	3110.9	3126.9	3150.0
27.5°	2979.6	2976.1	2977.8	2984.9	2990.3	3004.4	3008.0	3020.4	3032.8	3047.0	3066.6
30°	2842.9	2839.4	2837.7	2850.1	2855.4	2866.0	2871.3	2892.7	2896.2	2912.2	2926.3
32.5°	2661.9	2660.2	2663.7	2674.3	2679.7	2693.9	2701.0	2713.4	2722.2	2731.2	2745.3
35°	2459.7	2456.1	2459.7	2470.3	2470.3	2482.7	2488.1	2493.3	2491.6	2493.3	2489.8
37.5°	2271.6	2269.7	2271.6	2276.8	2271.6	2276.8	2271.6	2260.9	2241.4	2220.1	2198.7
40°	2111.8	2113.6	2103.0	2110.1	2090.5	2087.0	2067.5	2040.8	2001.8	1959.2	1898.9
42.5°	1941.5	1936.1	1929.1	1932.6	1916.6	1904.1	1872.2	1838.5	1788.8	1717.9	1645.1
45°	1732.0	1730.3	1726.7	1725.0	1714.3	1701.9	1675.2	1636.2	1581.2	1508.5	1421.5
47.5°	1528.0	1522.6	1522.6	1524.4	1512.0	1510.2	1488.9	1455.2	1407.3	1336.3	1245.8
50°	1332.7	1331.0	1334.5	1341.6	1332.7	1329.2	1315.0	1292.0	1249.4	1189.0	1103.8
52.5°	1157.0	1155.3	1158.9	1167.7	1164.1	1167.7	1153.5	1135.8	1107.4	1048.8	974.3
55°	984.9	984.9	984.9	995.5	995.5	995.5	988.4	977.9	951.2	908.6	839.4
57.5°	805.7	807.4	818.1	819.9	818.1	821.7	819.9	809.2	791.5	761.4	708.1
60°	654.9	654.9	660.2	665.5	663.7	665.5	665.5	660.2	642.4	617.6	575.0
62.5°	518.2	523.5	519.9	523.5	530.6	523.5	519.9	516.4	504.0	488.0	452.5
65°	392.2	395.8	395.8	397.5	393.9	395.8	388.7	383.3	376.3	358.5	335.4
67.5°	298.2	298.2	298.2	298.2	296.3	294.6	292.8	287.5	275.1	268.0	243.1
70°	228.9	218.3	218.3	218.3	218.3	220.1	214.8	207.7	204.1	191.7	173.9
72.5°	152.6	156.2	152.6	152.6	149.1	150.8	143.8	140.2	136.7	129.6	118.9
75°	110.0	101.2	104.7	106.5	101.2	104.7	97.6	90.5	90.5	85.2	79.8
77.5°	71.0	69.2	71.0	72.8	71.0	69.2	65.7	62.1	62.1	60.3	55.0
80°	51.5	49.7	49.7	49.7	47.9	49.7	46.2	46.2	42.6	40.8	37.3
82.5°	33.7	33.7	31.9	33.7	31.9	33.7	28.4	28.4	28.4	26.6	23.1
85°	23.1	19.5	19.5	21.3	17.7	21.3	19.5	17.7	16.0	16.0	14.2
87.5°	10.7	12.4	10.7	12.4	10.7	10.7	12.4	10.7	10.7	7.1	7.1
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°	3634.4	3634.4	3634.4	3634.4	3634.4	3634.4	3634.4	3634.4	3634.4	3634.4	3634.4
2.5°	3616.7	3618.4	3618.4	3625.6	3629.1	3630.9	3630.9	3645.1	3639.8	3643.3	3646.9
5°	3565.3	3575.9	3579.4	3579.4	3598.9	3606.0	3613.1	3629.1	3630.9	3641.5	3653.9
7.5°	3515.5	3527.9	3535.1	3551.0	3563.4	3575.9	3597.2	3607.8	3618.4	3632.7	3648.6
10°	3467.6	3481.8	3496.0	3508.4	3527.9	3543.9	3558.1	3582.9	3595.4	3614.9	3636.2
12.5°	3421.5	3441.0	3453.4	3474.7	3496.0	3510.2	3531.5	3554.6	3574.1	3593.6	3618.4
15°	3380.7	3403.8	3417.9	3441.0	3464.1	3483.6	3506.7	3535.1	3549.3	3572.3	3595.4
17.5°	3336.3	3361.2	3378.9	3400.2	3428.6	3449.9	3469.4	3497.8	3515.5	3540.4	3567.0
20°	3290.2	3315.0	3336.3	3357.6	3386.0	3407.3	3430.3	3458.8	3478.3	3503.1	3524.4
22.5°	3235.2	3258.3	3281.3	3306.1	3334.5	3352.3	3378.9	3403.8	3425.0	3448.1	3469.4
25°	3164.2	3192.6	3210.3	3233.3	3256.4	3275.9	3304.3	3329.2	3346.9	3368.3	3387.8
27.5°	3080.8	3102.1	3116.3	3135.8	3158.8	3176.6	3197.8	3222.8	3240.5	3260.0	3274.2
30°	2938.8	2958.3	2970.7	2984.9	3008.0	3024.0	3041.7	3064.8	3077.2	3091.4	3103.8
32.5°	2752.4	2768.4	2775.5	2786.2	2802.2	2818.1	2832.3	2851.8	2857.2	2866.0	2866.0
35°	2482.7	2486.2	2484.5	2488.1	2495.2	2504.0	2516.4	2528.8	2535.9	2535.9	2530.7
37.5°	2166.8	2145.6	2122.5	2104.7	2099.4	2095.8	2103.0	2108.2	2115.4	2118.9	2110.1
40°	1838.5	1790.6	1739.1	1693.0	1661.0	1646.9	1641.5	1645.1	1645.1	1657.5	1657.5
42.5°	1556.4	1481.8	1405.5	1336.3	1290.1	1254.7	1238.7	1238.7	1240.5	1249.4	1254.7
45°	1322.1	1228.0	1139.3	1063.0	999.1	952.9	931.7	926.4	924.6	928.1	940.5
47.5°	1142.9	1045.3	952.9	858.9	791.5	745.4	725.9	718.7	711.6	718.7	720.5
50°	1002.7	901.5	803.9	709.9	638.9	598.0	573.2	562.5	560.8	560.8	564.3
52.5°	874.9	780.9	683.3	587.4	512.9	473.8	450.8	445.4	438.3	445.4	445.4
55°	754.2	660.2	564.3	473.8	411.7	370.9	349.6	342.5	338.9	344.3	344.3
57.5°	622.9	543.0	454.3	372.7	310.6	282.2	266.2	257.3	255.5	259.1	255.5
60°	511.1	443.7	367.3	292.8	244.9	214.8	202.3	198.8	195.2	198.8	198.8
62.5°	404.6	347.8	285.7	228.9	188.1	166.8	152.6	152.6	150.8	150.8	152.6
65°	299.9	255.5	211.2	163.3	131.3	115.3	104.7	104.7	102.9	104.7	102.9
67.5°	218.3	188.1	152.6	118.9	94.1	85.2	78.1	72.8	76.3	72.8	71.0
70°	159.7	134.8	110.0	90.5	72.8	63.9	58.6	56.8	53.2	53.2	53.2
72.5°	106.5	90.5	74.5	58.6	47.9	39.0	37.3	33.7	30.2	31.9	35.5
75°	71.0	60.3	53.2	42.6	31.9	31.9	21.3	21.3	17.7	21.3	16.0
77.5°	49.7	40.8	31.9	26.6	21.3	19.5	14.2	14.2	12.4	12.4	12.4
80°	35.5	30.2	23.1	19.5	14.2	14.2	12.4	10.7	8.8	8.8	10.7
82.5°	21.3	16.0	16.0	14.2	8.8	7.1	5.3	7.1	3.6	3.6	3.6
85°	12.4	10.7	8.8	5.3	3.6	3.6	1.8	0.0	1.8	1.8	0.0
87.5°	7.1	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°	3634.4	3634.4	3634.4	3634.4	3634.4	3634.4	3634.4	3634.4	3634.4	3634.4	3634.4
2.5°	3655.8	3653.9	3657.5	3657.5	3668.2	3666.4	3671.7	3671.7	3668.2	3669.9	3677.0
5°	3668.2	3673.5	3684.1	3693.0	3708.9	3716.1	3724.9	3733.9	3735.6	3740.9	3746.3
7.5°	3668.2	3685.9	3698.4	3714.3	3735.6	3748.0	3767.5	3783.5	3790.6	3799.4	3810.1
10°	3661.0	3678.8	3701.9	3719.6	3746.3	3765.8	3785.3	3810.1	3820.8	3834.9	3849.2
12.5°	3646.9	3666.4	3691.2	3714.3	3744.4	3762.2	3787.0	3810.1	3826.1	3845.6	3861.6
15°	3625.6	3648.6	3671.7	3694.8	3726.7	3748.0	3771.1	3797.7	3813.7	3834.9	3849.2
17.5°	3591.9	3616.7	3638.0	3659.3	3689.4	3714.3	3735.6	3760.4	3776.4	3794.2	3813.7
20°	3551.0	3574.1	3597.2	3614.9	3645.1	3666.4	3689.4	3712.5	3724.9	3728.5	3758.7
22.5°	3499.6	3515.5	3533.3	3561.7	3579.4	3598.9	3620.3	3641.5	3653.9	3673.5	3684.1
25°	3414.4	3430.3	3449.9	3462.3	3483.6	3499.6	3520.9	3543.9	3551.0	3565.3	3575.9
27.5°	3295.5	3304.3	3313.3	3323.8	3336.3	3345.2	3357.6	3368.3	3375.3	3382.4	3389.5
30°	3107.3	3107.3	3107.3	3100.3	3105.6	3110.9	3112.7	3110.9	3110.9	3109.2	3109.2
32.5°	2858.9	2844.7	2828.7	2814.6	2809.2	2802.2	2798.6	2793.2	2784.4	2779.1	2780.8
35°	2523.5	2491.6	2472.1	2454.3	2440.1	2429.5	2424.2	2418.8	2417.1	2410.0	2402.8
37.5°	2104.7	2081.6	2067.5	2056.8	2044.4	2033.7	2035.5	2037.3	2042.6	2039.1	2040.8
40°	1661.0	1655.7	1661.0	1648.6	1645.1	1648.6	1657.5	1670.0	1677.0	1684.1	1696.5
42.5°	1263.5	1272.4	1284.9	1284.9	1290.1	1297.3	1307.9	1327.5	1338.0	1350.5	1364.7
45°	951.2	961.9	977.9	983.1	986.7	995.5	1008.0	1023.9	1031.0	1041.7	1054.1
47.5°	732.9	740.0	748.9	757.8	766.6	770.2	782.6	782.6	791.5	798.6	802.1
50°	571.4	578.5	585.6	590.9	594.5	599.8	603.4	608.7	610.4	614.0	615.8
52.5°	447.2	456.1	456.1	459.6	464.9	470.3	468.5	470.3	472.0	472.0	477.4
55°	349.6	349.6	354.9	354.9	358.5	356.7	358.5	358.5	358.5	358.5	360.3
57.5°	260.8	262.7	268.0	264.4	262.7	266.2	262.7	266.2	264.4	268.0	262.7
60°	200.5	200.5	202.3	202.3	204.1	204.1	204.1	202.3	202.3	200.5	200.5
62.5°	150.8	152.6	154.4	152.6	152.6	152.6	150.8	150.8	149.1	147.3	147.3
65°	101.2	99.4	102.9	99.4	101.2	101.2	99.4	101.2	95.8	97.6	95.8
67.5°	72.8	71.0	69.2	71.0	69.2	67.4	67.4	69.2	71.0	65.7	65.7
70°	47.9	49.7	47.9	49.7	51.5	51.5	49.7	47.9	49.7	46.2	47.9
72.5°	30.2	30.2	30.2	30.2	30.2	31.9	31.9	31.9	28.4	28.4	26.6
75°	14.2	19.5	16.0	14.2	19.5	19.5	17.7	17.7	16.0	16.0	16.0
77.5°	14.2	10.7	10.7	10.7	10.7	10.7	10.7	10.7	8.8	10.7	8.8
80°	7.1	7.1	7.1	5.3	7.1	7.1	8.8	7.1	7.1	5.3	8.8
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: P248969

CATALOG NUMBER: LD8B100D010 ER8B1009730 8LBSW0B

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3634.4	3634.4	3634.4	3634.4	3634.4	3634.4	3634.4	3634.4	3634.4	3634.4	3634.4
2.5°	3675.3	3673.5	3675.3	3677.0	3675.3	3673.5	3675.3	3677.0	3669.9	3668.2	3671.7
5°	3753.4	3753.4	3756.9	3758.7	3756.9	3753.4	3753.4	3746.3	3740.9	3735.6	3733.9
7.5°	3820.8	3824.4	3827.9	3829.6	3827.9	3824.4	3820.8	3810.1	3799.4	3790.6	3783.5
10°	3861.6	3866.9	3874.0	3877.5	3874.0	3866.9	3861.6	3849.2	3834.9	3820.8	3810.1
12.5°	3879.4	3884.7	3893.5	3891.8	3893.5	3884.7	3879.4	3861.6	3845.6	3826.1	3810.1
15°	3866.9	3874.0	3882.9	3886.4	3882.9	3874.0	3866.9	3849.2	3834.9	3813.7	3797.7
17.5°	3827.9	3838.5	3843.9	3849.2	3843.9	3838.5	3827.9	3813.7	3794.2	3776.4	3760.4
20°	3774.6	3781.8	3788.9	3790.6	3788.9	3781.8	3774.6	3758.7	3728.5	3724.9	3712.5
22.5°	3698.4	3703.7	3719.6	3714.3	3719.6	3703.7	3698.4	3684.1	3673.5	3653.9	3641.5
25°	3588.3	3593.6	3595.4	3597.2	3595.4	3593.6	3588.3	3575.9	3565.3	3551.0	3543.9
27.5°	3398.4	3398.4	3401.9	3403.8	3401.9	3398.4	3398.4	3389.5	3382.4	3375.3	3368.3
30°	3110.9	3110.9	3110.9	3119.8	3110.9	3110.9	3110.9	3109.2	3109.2	3110.9	3110.9
32.5°	2779.1	2775.5	2772.0	2775.5	2772.0	2775.5	2779.1	2780.8	2779.1	2784.4	2793.2
35°	2402.8	2401.1	2406.4	2399.3	2406.4	2401.1	2402.8	2402.8	2410.0	2417.1	2418.8
37.5°	2042.6	2039.1	2046.1	2039.1	2046.1	2039.1	2042.6	2040.8	2039.1	2042.6	2037.3
40°	1700.1	1703.6	1703.6	1717.9	1703.6	1703.6	1700.1	1696.5	1684.1	1677.0	1670.0
42.5°	1371.8	1382.5	1378.9	1389.5	1378.9	1382.5	1371.8	1364.7	1350.5	1338.0	1327.5
45°	1061.2	1068.4	1068.4	1071.9	1068.4	1068.4	1061.2	1054.1	1041.7	1031.0	1023.9
47.5°	814.5	814.5	814.5	816.4	814.5	814.5	814.5	802.1	798.6	791.5	782.6
50°	619.4	621.1	622.9	624.7	622.9	621.1	619.4	615.8	614.0	610.4	608.7
52.5°	475.6	477.4	473.8	477.4	473.8	477.4	475.6	477.4	472.0	472.0	470.3
55°	360.3	358.5	360.3	362.0	360.3	358.5	360.3	360.3	358.5	358.5	358.5
57.5°	264.4	260.8	260.8	260.8	260.8	260.8	264.4	262.7	268.0	264.4	266.2
60°	197.0	198.8	198.8	200.5	198.8	198.8	197.0	200.5	200.5	202.3	202.3
62.5°	145.5	150.8	147.3	150.8	147.3	150.8	145.5	147.3	147.3	149.1	150.8
65°	94.1	94.1	94.1	95.8	94.1	94.1	94.1	95.8	97.6	95.8	101.2
67.5°	63.9	65.7	69.2	67.4	69.2	65.7	63.9	65.7	65.7	71.0	69.2
70°	51.5	46.2	46.2	51.5	46.2	46.2	51.5	47.9	46.2	49.7	47.9
72.5°	30.2	26.6	30.2	30.2	30.2	26.6	30.2	26.6	28.4	28.4	31.9
75°	16.0	14.2	12.4	17.7	12.4	14.2	16.0	16.0	16.0	16.0	17.7
77.5°	10.7	8.8	12.4	12.4	12.4	8.8	10.7	8.8	10.7	8.8	10.7
80°	5.3	7.1	5.3	8.8	5.3	7.1	5.3	8.8	5.3	7.1	7.1
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: P248969

CATALOG NUMBER: LD8B100D010 ER8B1009730 8LBSW0B

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3634.4	3634.4	3634.4	3634.4	3634.4	3634.4	3634.4	3634.4	3634.4	3634.4	3634.4
2.5°	3671.7	3666.4	3668.2	3657.5	3657.5	3653.9	3655.8	3646.9	3643.3	3639.8	3645.1
5°	3724.9	3716.1	3708.9	3693.0	3684.1	3673.5	3668.2	3653.9	3641.5	3630.9	3629.1
7.5°	3767.5	3748.0	3735.6	3714.3	3698.4	3685.9	3668.2	3648.6	3632.7	3618.4	3607.8
10°	3785.3	3765.8	3746.3	3719.6	3701.9	3678.8	3661.0	3636.2	3614.9	3595.4	3582.9
12.5°	3787.0	3762.2	3744.4	3714.3	3691.2	3666.4	3646.9	3618.4	3593.6	3574.1	3554.6
15°	3771.1	3748.0	3726.7	3694.8	3671.7	3648.6	3625.6	3595.4	3572.3	3549.3	3535.1
17.5°	3735.6	3714.3	3689.4	3659.3	3638.0	3616.7	3591.9	3567.0	3540.4	3515.5	3497.8
20°	3689.4	3666.4	3645.1	3614.9	3597.2	3574.1	3551.0	3524.4	3503.1	3478.3	3458.8
22.5°	3620.3	3598.9	3579.4	3561.7	3533.3	3515.5	3499.6	3469.4	3448.1	3425.0	3403.8
25°	3520.9	3499.6	3483.6	3462.3	3449.9	3430.3	3414.4	3387.8	3368.3	3346.9	3329.2
27.5°	3357.6	3345.2	3336.3	3323.8	3313.3	3304.3	3295.5	3274.2	3260.0	3240.5	3222.8
30°	3112.7	3110.9	3105.6	3100.3	3107.3	3107.3	3107.3	3103.8	3091.4	3077.2	3064.8
32.5°	2798.6	2802.2	2809.2	2814.6	2828.7	2844.7	2858.9	2866.0	2866.0	2857.2	2851.8
35°	2424.2	2429.5	2440.1	2454.3	2472.1	2491.6	2523.5	2530.7	2535.9	2535.9	2528.8
37.5°	2035.5	2033.7	2044.4	2056.8	2067.5	2081.6	2104.7	2110.1	2118.9	2115.4	2108.2
40°	1657.5	1648.6	1645.1	1648.6	1661.0	1655.7	1661.0	1657.5	1657.5	1645.1	1645.1
42.5°	1307.9	1297.3	1290.1	1284.9	1284.9	1272.4	1263.5	1254.7	1249.4	1240.5	1238.7
45°	1008.0	995.5	986.7	983.1	977.9	961.9	951.2	940.5	928.1	924.6	926.4
47.5°	782.6	770.2	766.6	757.8	748.9	740.0	732.9	720.5	718.7	711.6	718.7
50°	603.4	599.8	594.5	590.9	585.6	578.5	571.4	564.3	560.8	560.8	562.5
52.5°	468.5	470.3	464.9	459.6	456.1	456.1	447.2	445.4	445.4	438.3	445.4
55°	358.5	356.7	358.5	354.9	354.9	349.6	349.6	344.3	344.3	338.9	342.5
57.5°	262.7	266.2	262.7	264.4	268.0	262.7	260.8	255.5	259.1	255.5	257.3
60°	204.1	204.1	204.1	202.3	202.3	200.5	200.5	198.8	198.8	195.2	198.8
62.5°	150.8	152.6	152.6	152.6	154.4	152.6	150.8	152.6	150.8	150.8	152.6
65°	99.4	101.2	101.2	99.4	102.9	99.4	101.2	102.9	104.7	102.9	104.7
67.5°	67.4	67.4	69.2	71.0	69.2	71.0	72.8	71.0	72.8	76.3	72.8
70°	49.7	51.5	51.5	49.7	47.9	49.7	47.9	53.2	53.2	53.2	56.8
72.5°	31.9	31.9	30.2	30.2	30.2	30.2	30.2	35.5	31.9	30.2	33.7
75°	17.7	19.5	19.5	14.2	16.0	19.5	14.2	16.0	21.3	17.7	21.3
77.5°	10.7	10.7	10.7	10.7	10.7	10.7	14.2	12.4	12.4	12.4	14.2
80°	8.8	7.1	7.1	5.3	7.1	7.1	7.1	10.7	8.8	8.8	10.7
82.5°	3.6	3.6	1.8	0.0	3.6	3.6	3.6	3.6	3.6	3.6	7.1
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: P248969

CATALOG NUMBER: LD8B100D010 ER8B1009730 8LBSW0B

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3634.4	3634.4	3634.4	3634.4	3634.4	3634.4	3634.4	3634.4	3634.4	3634.4	3634.4
2.5°	3630.9	3630.9	3629.1	3625.6	3618.4	3618.4	3616.7	3611.4	3607.8	3606.0	3606.0
5°	3613.1	3606.0	3598.9	3579.4	3579.4	3575.9	3565.3	3558.1	3554.6	3545.7	3542.2
7.5°	3597.2	3575.9	3563.4	3551.0	3535.1	3527.9	3515.5	3510.2	3497.8	3488.9	3483.6
10°	3558.1	3543.9	3527.9	3508.4	3496.0	3481.8	3467.6	3457.0	3441.0	3432.1	3425.0
12.5°	3531.5	3510.2	3496.0	3474.7	3453.4	3441.0	3421.5	3409.1	3393.1	3375.3	3364.7
15°	3506.7	3483.6	3464.1	3441.0	3417.9	3403.8	3380.7	3366.5	3343.4	3325.7	3313.3
17.5°	3469.4	3449.9	3428.6	3400.2	3378.9	3361.2	3336.3	3318.6	3297.3	3274.2	3261.8
20°	3430.3	3407.3	3386.0	3357.6	3336.3	3315.0	3290.2	3270.7	3245.8	3224.5	3210.3
22.5°	3378.9	3352.3	3334.5	3306.1	3281.3	3258.3	3235.2	3212.1	3189.0	3171.3	3155.3
25°	3304.3	3275.9	3256.4	3233.3	3210.3	3192.6	3164.2	3150.0	3126.9	3110.9	3094.9
27.5°	3197.8	3176.6	3158.8	3135.8	3116.3	3102.1	3080.8	3066.6	3047.0	3032.8	3020.4
30°	3041.7	3024.0	3008.0	2984.9	2970.7	2958.3	2938.8	2926.3	2912.2	2896.2	2892.7
32.5°	2832.3	2818.1	2802.2	2786.2	2775.5	2768.4	2752.4	2745.3	2731.2	2722.2	2713.4
35°	2516.4	2504.0	2495.2	2488.1	2484.5	2486.2	2482.7	2489.8	2493.3	2491.6	2493.3
37.5°	2103.0	2095.8	2099.4	2104.7	2122.5	2145.6	2166.8	2198.7	2220.1	2241.4	2260.9
40°	1641.5	1646.9	1661.0	1693.0	1739.1	1790.6	1838.5	1898.9	1959.2	2001.8	2040.8
42.5°	1238.7	1254.7	1290.1	1336.3	1405.5	1481.8	1556.4	1645.1	1717.9	1788.8	1838.5
45°	931.7	952.9	999.1	1063.0	1139.3	1228.0	1322.1	1421.5	1508.5	1581.2	1636.2
47.5°	725.9	745.4	791.5	858.9	952.9	1045.3	1142.9	1245.8	1336.3	1407.3	1455.2
50°	573.2	598.0	638.9	709.9	803.9	901.5	1002.7	1103.8	1189.0	1249.4	1292.0
52.5°	450.8	473.8	512.9	587.4	683.3	780.9	874.9	974.3	1048.8	1107.4	1135.8
55°	349.6	370.9	411.7	473.8	564.3	660.2	754.2	839.4	908.6	951.2	977.9
57.5°	266.2	282.2	310.6	372.7	454.3	543.0	622.9	708.1	761.4	791.5	809.2
60°	202.3	214.8	244.9	292.8	367.3	443.7	511.1	575.0	617.6	642.4	660.2
62.5°	152.6	166.8	188.1	228.9	285.7	347.8	404.6	452.5	488.0	504.0	516.4
65°	104.7	115.3	131.3	163.3	211.2	255.5	299.9	335.4	358.5	376.3	383.3
67.5°	78.1	85.2	94.1	118.9	152.6	188.1	218.3	243.1	268.0	275.1	287.5
70°	58.6	63.9	72.8	90.5	110.0	134.8	159.7	173.9	191.7	204.1	207.7
72.5°	37.3	39.0	47.9	58.6	74.5	90.5	106.5	118.9	129.6	136.7	140.2
75°	21.3	31.9	31.9	42.6	53.2	60.3	71.0	79.8	85.2	90.5	90.5
77.5°	14.2	19.5	21.3	26.6	31.9	40.8	49.7	55.0	60.3	62.1	62.1
80°	12.4	14.2	14.2	19.5	23.1	30.2	35.5	37.3	40.8	42.6	46.2
82.5°	5.3	7.1	8.8	14.2	16.0	16.0	21.3	23.1	26.6	28.4	28.4
85°	1.8	3.6	3.6	5.3	8.8	10.7	12.4	14.2	16.0	16.0	17.7
87.5°	1.8	1.8	0.0	1.8	3.6	3.6	7.1	7.1	7.1	10.7	10.7
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: P248969

CATALOG NUMBER: LD8B100D010 ER8B1009730 8LBSW0B

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	3634.4	3634.4	3634.4	3634.4	3634.4	3634.4	3634.4
2.5°	3602.5	3604.3	3597.2	3595.4	3591.9	3593.6	3597.2
5°	3536.8	3538.6	3531.5	3524.4	3524.4	3522.6	3524.4
7.5°	3474.7	3476.5	3465.8	3462.3	3455.2	3457.0	3457.0
10°	3412.6	3412.6	3396.7	3394.8	3389.5	3387.8	3387.8
12.5°	3352.3	3346.9	3334.5	3327.4	3331.0	3320.3	3320.3
15°	3299.0	3290.2	3274.2	3268.8	3260.0	3256.4	3256.4
17.5°	3244.0	3236.9	3222.8	3212.1	3201.4	3199.7	3201.4
20°	3190.8	3183.7	3165.9	3158.8	3150.0	3150.0	3146.4
22.5°	3137.5	3130.4	3114.5	3109.2	3096.8	3096.8	3098.5
25°	3082.5	3077.2	3059.4	3055.9	3054.2	3047.0	3050.6
27.5°	3008.0	3004.4	2990.3	2984.9	2977.8	2976.1	2979.6
30°	2871.3	2866.0	2855.4	2850.1	2837.7	2839.4	2842.9
32.5°	2701.0	2693.9	2679.7	2674.3	2663.7	2660.2	2661.9
35°	2488.1	2482.7	2470.3	2470.3	2459.7	2456.1	2459.7
37.5°	2271.6	2276.8	2271.6	2276.8	2271.6	2269.7	2271.6
40°	2067.5	2087.0	2090.5	2110.1	2103.0	2113.6	2111.8
42.5°	1872.2	1904.1	1916.6	1932.6	1929.1	1936.1	1941.5
45°	1675.2	1701.9	1714.3	1725.0	1726.7	1730.3	1732.0
47.5°	1488.9	1510.2	1512.0	1524.4	1522.6	1522.6	1528.0
50°	1315.0	1329.2	1332.7	1341.6	1334.5	1331.0	1332.7
52.5°	1153.5	1167.7	1164.1	1167.7	1158.9	1155.3	1157.0
55°	988.4	995.5	995.5	995.5	984.9	984.9	984.9
57.5°	819.9	821.7	818.1	819.9	818.1	807.4	805.7
60°	665.5	665.5	663.7	665.5	660.2	654.9	654.9
62.5°	519.9	523.5	530.6	523.5	519.9	523.5	518.2
65°	388.7	395.8	393.9	397.5	395.8	395.8	392.2
67.5°	292.8	294.6	296.3	298.2	298.2	298.2	298.2
70°	214.8	220.1	218.3	218.3	218.3	218.3	228.9
72.5°	143.8	150.8	149.1	152.6	152.6	156.2	152.6
75°	97.6	104.7	101.2	106.5	104.7	101.2	110.0
77.5°	65.7	69.2	71.0	72.8	71.0	69.2	71.0
80°	46.2	49.7	47.9	49.7	49.7	49.7	51.5
82.5°	28.4	33.7	31.9	33.7	31.9	33.7	33.7
85°	19.5	21.3	17.7	21.3	19.5	19.5	23.1
87.5°	12.4	10.7	10.7	12.4	10.7	12.4	10.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)