

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: P248750

Luminaire Tested: **LD8B70D010 ER8B70930 8LBSW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248750
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 8LBSW0WMH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
97 CRI 3000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6163.3 lumens
Efficiency: N/A
Efficacy: 81.2 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

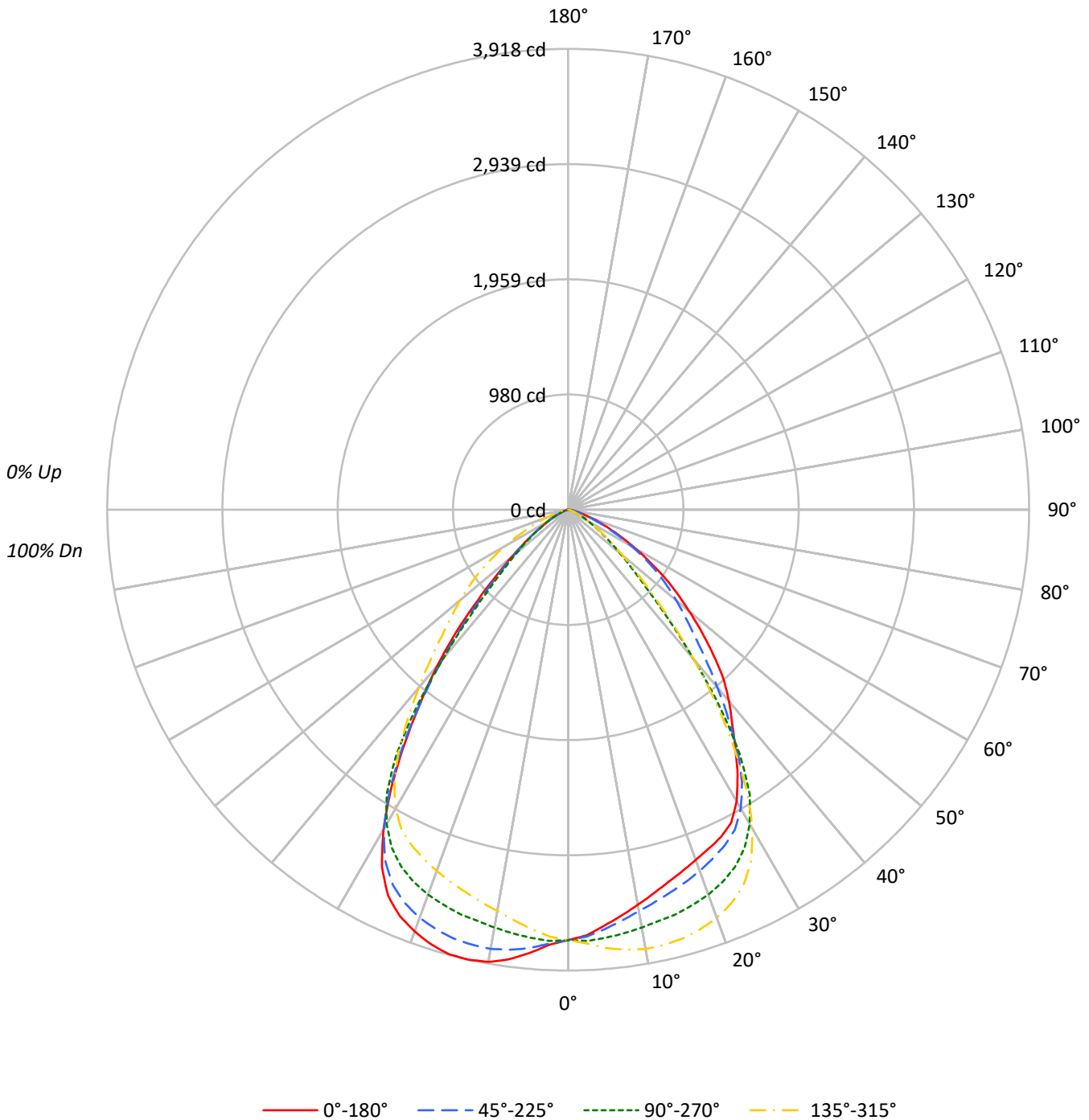
Input Watts (W): 75.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	348.3	5.7
10°-20°	1008.5	16.4
20°-30°	1527.1	24.8
30°-40°	1530.5	24.8
40°-50°	961.1	15.6
50°-60°	512.2	8.3
60°-70°	210.6	3.4
70°-80°	55.7	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°	2883.8	46.8
0°-40°	4414.3	71.6
0°-60°	5887.6	95.5
0°-90°	6163.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6163.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3659	3659	3659	3659	3659	
5°	3548	3654	3784	3654	3548	335
15°	3278	3559	3913	3559	3278	927
25°	3071	3352	3621	3352	3071	1409
35°	2476	2546	2416	2546	2476	1551
45°	1744	933	1079	933	1744	1341
55°	992	345	364	345	992	884
65°	395	105	96	105	395	410
75°	111	22	18	22	111	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°	3658.9	3658.9	3658.9	3658.9	3658.9	3658.9	3658.9	3658.9	3658.9	3658.9	3658.9
2.5°	3621.4	3617.8	3616.0	3619.7	3621.4	3628.6	3626.8	3630.4	3630.4	3632.2	3635.7
5°	3548.2	3546.4	3548.2	3548.2	3555.4	3562.4	3560.6	3566.0	3569.6	3578.6	3582.0
7.5°	3480.3	3480.3	3478.5	3485.6	3489.2	3500.0	3498.1	3507.0	3512.4	3521.4	3533.8
10°	3410.6	3410.6	3412.3	3417.7	3419.6	3435.6	3435.6	3448.1	3455.3	3464.2	3480.3
12.5°	3342.7	3342.7	3353.5	3349.9	3356.9	3369.5	3374.9	3387.3	3398.1	3415.9	3432.1
15°	3278.4	3278.4	3282.0	3290.9	3296.2	3312.3	3321.3	3335.5	3348.1	3365.9	3389.2
17.5°	3223.0	3221.2	3223.0	3233.7	3244.5	3258.7	3265.9	3283.7	3296.2	3319.5	3340.9
20°	3167.6	3171.2	3171.2	3180.2	3187.2	3205.2	3212.2	3232.0	3246.2	3267.6	3292.7
22.5°	3119.4	3117.6	3117.6	3130.2	3135.4	3151.5	3158.6	3176.6	3192.6	3210.5	3233.7
25°	3071.1	3067.5	3074.8	3076.5	3080.1	3097.9	3103.3	3115.8	3131.8	3148.0	3171.2
27.5°	2999.7	2996.1	2997.9	3005.1	3010.4	3024.7	3028.3	3040.8	3053.3	3067.5	3087.2
30°	2862.0	2858.6	2856.8	2869.3	2874.7	2885.3	2890.7	2912.1	2915.7	2931.8	2946.1
32.5°	2679.9	2678.1	2681.7	2692.3	2697.7	2712.0	2719.2	2731.7	2740.6	2749.6	2763.8
35°	2476.2	2472.6	2476.2	2486.9	2486.9	2499.5	2504.9	2510.1	2508.3	2510.1	2506.6
37.5°	2286.8	2285.0	2286.8	2292.1	2286.8	2292.1	2286.8	2276.1	2256.5	2235.0	2213.5
40°	2126.1	2127.8	2117.1	2124.3	2104.6	2101.1	2081.4	2054.6	2015.3	1972.4	1911.6
42.5°	1954.6	1949.2	1942.0	1945.6	1929.6	1917.0	1884.8	1850.9	1800.9	1729.5	1656.2
45°	1743.7	1741.9	1738.3	1736.5	1725.9	1713.3	1686.5	1647.2	1591.8	1518.6	1431.1
47.5°	1538.2	1532.9	1532.9	1534.6	1522.2	1520.4	1498.9	1465.0	1416.7	1345.3	1254.2
50°	1341.7	1339.9	1343.5	1350.7	1341.7	1338.1	1323.9	1300.7	1257.8	1197.0	1111.2
52.5°	1164.8	1163.0	1166.6	1175.6	1172.0	1175.6	1161.4	1143.4	1114.8	1055.9	980.9
55°	991.5	991.5	991.5	1002.3	1002.3	1002.3	995.1	984.5	957.6	914.7	845.1
57.5°	811.2	812.8	823.6	825.4	823.6	827.2	825.4	814.6	796.8	766.4	712.8
60°	659.3	659.3	664.6	670.0	668.1	670.0	670.0	664.6	646.8	621.7	578.9
62.5°	521.7	527.1	523.4	527.1	534.2	527.1	523.4	519.9	507.4	491.3	455.6
65°	394.8	398.4	398.4	400.2	396.6	398.4	391.3	386.0	378.8	361.0	337.6
67.5°	300.2	300.2	300.2	300.2	298.3	296.6	294.8	289.4	276.9	269.8	244.7
70°	230.5	219.7	219.7	219.7	219.7	221.6	216.2	209.1	205.5	192.9	175.1
72.5°	153.6	157.3	153.6	153.6	150.1	151.9	144.7	141.1	137.5	130.5	119.7
75°	110.8	101.9	105.4	107.2	101.9	105.4	98.2	91.1	91.1	85.8	80.4
77.5°	71.5	69.7	71.5	73.2	71.5	69.7	66.1	62.6	62.6	60.8	55.4
80°	51.8	50.0	50.0	50.0	48.2	50.0	46.5	46.5	42.8	41.1	37.6
82.5°	34.0	34.0	32.2	34.0	32.2	34.0	28.6	28.6	28.6	26.8	23.2
85°	23.2	19.6	19.6	21.5	17.8	21.5	19.6	17.8	16.1	16.1	14.2
87.5°	10.8	12.6	10.8	12.6	10.8	10.8	12.6	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°	3658.9	3658.9	3658.9	3658.9	3658.9	3658.9	3658.9	3658.9	3658.9	3658.9	3658.9
2.5°	3641.0	3642.8	3642.8	3650.1	3653.6	3655.4	3655.4	3669.7	3664.3	3667.9	3671.4
5°	3589.3	3600.0	3603.6	3603.6	3623.2	3630.4	3637.4	3653.6	3655.4	3666.1	3678.6
7.5°	3539.2	3551.7	3559.0	3575.0	3587.4	3600.0	3621.4	3632.2	3642.8	3657.2	3673.2
10°	3491.0	3505.4	3519.6	3532.0	3551.7	3567.8	3582.0	3607.0	3619.7	3639.3	3660.7
12.5°	3444.6	3464.2	3476.7	3498.1	3519.6	3533.8	3555.4	3578.6	3598.2	3617.8	3642.8
15°	3403.5	3426.7	3441.0	3464.2	3487.4	3507.0	3530.4	3559.0	3573.2	3596.4	3619.7
17.5°	3358.7	3383.9	3401.7	3423.1	3451.7	3473.1	3492.8	3521.4	3539.2	3564.2	3591.0
20°	3312.3	3337.3	3358.7	3380.3	3408.8	3430.3	3453.5	3482.1	3501.7	3526.7	3548.2
22.5°	3257.0	3280.2	3303.4	3328.4	3356.9	3374.9	3401.7	3426.7	3448.1	3471.3	3492.8
25°	3185.5	3214.1	3232.0	3255.2	3278.4	3298.0	3326.6	3351.6	3369.5	3390.9	3410.6
27.5°	3101.5	3123.0	3137.2	3156.8	3180.2	3198.0	3219.4	3244.5	3262.3	3282.0	3296.2
30°	2958.5	2978.3	2990.7	3005.1	3028.3	3044.4	3062.2	3085.4	3097.9	3112.2	3124.8
32.5°	2771.0	2787.0	2794.2	2805.0	2821.0	2837.0	2851.4	2871.1	2876.4	2885.3	2885.3
35°	2499.5	2503.0	2501.2	2504.9	2511.9	2520.9	2533.3	2545.9	2553.0	2553.0	2547.7
37.5°	2181.5	2160.1	2136.7	2118.9	2113.5	2109.9	2117.1	2122.4	2129.7	2133.2	2124.3
40°	1850.9	1802.7	1750.9	1704.4	1672.2	1658.0	1652.6	1656.2	1656.2	1668.6	1668.6
42.5°	1566.8	1491.8	1415.0	1345.3	1298.8	1263.1	1247.0	1247.0	1248.8	1257.8	1263.1
45°	1331.1	1236.4	1147.0	1070.2	1005.9	959.4	937.9	932.6	930.9	934.4	946.9
47.5°	1150.6	1052.3	959.4	864.7	796.8	750.4	730.8	723.5	716.4	723.5	725.4
50°	1009.5	907.6	809.4	714.6	643.1	602.1	577.1	566.3	564.5	564.5	568.1
52.5°	880.8	786.2	687.8	591.4	516.3	477.0	453.8	448.4	441.3	448.4	448.4
55°	759.3	664.6	568.1	477.0	414.4	373.4	352.0	344.8	341.2	346.6	346.6
57.5°	627.1	546.7	457.4	375.2	312.6	284.1	267.9	259.1	257.3	260.9	257.3
60°	514.5	446.7	369.8	294.8	246.6	216.2	203.7	200.1	196.5	200.1	200.1
62.5°	407.4	350.2	287.6	230.5	189.3	167.9	153.6	153.6	151.9	151.9	153.6
65°	302.0	257.3	212.5	164.3	132.2	116.1	105.4	105.4	103.6	105.4	103.6
67.5°	219.7	189.3	153.6	119.7	94.7	85.8	78.6	73.2	76.9	73.2	71.5
70°	160.9	135.8	110.8	91.1	73.2	64.3	59.0	57.2	53.6	53.6	53.6
72.5°	107.2	91.1	75.0	59.0	48.2	39.2	37.6	34.0	30.4	32.2	35.8
75°	71.5	60.8	53.6	42.8	32.2	32.2	21.5	21.5	17.8	21.5	16.1
77.5°	50.0	41.1	32.2	26.8	21.5	19.6	14.2	14.2	12.6	12.6	12.6
80°	35.8	30.4	23.2	19.6	14.2	14.2	12.6	10.8	8.9	8.9	10.8
82.5°	21.5	16.1	16.1	14.2	8.9	7.2	5.4	7.2	3.6	3.6	3.6
85°	12.6	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°	3658.9	3658.9	3658.9	3658.9	3658.9	3658.9	3658.9	3658.9	3658.9	3658.9	3658.9
2.5°	3680.4	3678.6	3682.1	3682.1	3692.9	3691.1	3696.4	3696.4	3692.9	3694.7	3701.8
5°	3692.9	3698.3	3708.9	3717.9	3733.9	3741.1	3750.1	3759.0	3760.7	3766.1	3771.5
7.5°	3692.9	3710.7	3723.3	3739.3	3760.7	3773.3	3792.9	3809.0	3816.1	3825.1	3835.8
10°	3685.7	3703.6	3726.8	3744.7	3771.5	3791.1	3810.8	3835.8	3846.5	3860.8	3875.2
12.5°	3671.4	3691.1	3716.1	3739.3	3769.7	3787.5	3812.5	3835.8	3851.9	3871.5	3887.6
15°	3650.1	3673.2	3696.4	3719.7	3751.8	3773.3	3796.5	3823.3	3839.4	3860.8	3875.2
17.5°	3616.0	3641.0	3662.5	3683.9	3714.3	3739.3	3760.7	3785.7	3801.9	3819.8	3839.4
20°	3575.0	3598.2	3621.4	3639.3	3669.7	3691.1	3714.3	3737.5	3750.1	3753.7	3784.0
22.5°	3523.2	3539.2	3557.0	3585.7	3603.6	3623.2	3644.7	3666.1	3678.6	3698.3	3708.9
25°	3437.3	3453.5	3473.1	3485.6	3507.0	3523.2	3544.6	3567.8	3575.0	3589.3	3600.0
27.5°	3317.7	3326.6	3335.5	3346.3	3358.7	3367.7	3380.3	3390.9	3398.1	3405.3	3412.3
30°	3128.3	3128.3	3128.3	3121.2	3126.5	3131.8	3133.6	3131.8	3131.8	3130.2	3130.2
32.5°	2878.2	2863.9	2847.8	2833.6	2828.2	2821.0	2817.4	2812.0	2803.2	2797.8	2799.6
35°	2540.5	2508.3	2488.7	2470.9	2456.6	2445.9	2440.5	2435.1	2433.4	2426.2	2419.0
37.5°	2118.9	2095.7	2081.4	2070.7	2058.2	2047.4	2049.2	2051.0	2056.4	2052.8	2054.6
40°	1672.2	1666.9	1672.2	1659.8	1656.2	1659.8	1668.6	1681.2	1688.3	1695.5	1708.0
42.5°	1272.0	1281.0	1293.5	1293.5	1298.8	1306.1	1316.7	1336.3	1347.1	1359.5	1373.9
45°	957.6	968.3	984.5	989.7	993.3	1002.3	1014.8	1030.9	1037.9	1048.7	1061.3
47.5°	737.8	745.0	753.9	762.8	771.8	775.4	787.8	787.8	796.8	804.0	807.6
50°	575.3	582.5	589.5	594.9	598.5	603.9	607.5	612.7	614.5	618.1	619.9
52.5°	450.2	459.2	459.2	462.7	468.0	473.4	471.7	473.4	475.2	475.2	480.6
55°	352.0	352.0	357.3	357.3	361.0	359.1	361.0	361.0	361.0	361.0	362.6
57.5°	262.7	264.4	269.8	266.2	264.4	267.9	264.4	267.9	266.2	269.8	264.4
60°	201.9	201.9	203.7	203.7	205.5	205.5	205.5	203.7	203.7	201.9	201.9
62.5°	151.9	153.6	155.5	153.6	153.6	153.6	151.9	151.9	150.1	148.2	148.2
65°	101.9	100.1	103.6	100.1	101.9	101.9	100.1	101.9	96.5	98.2	96.5
67.5°	73.2	71.5	69.7	71.5	69.7	67.8	67.8	69.7	71.5	66.1	66.1
70°	48.2	50.0	48.2	50.0	51.8	51.8	50.0	48.2	50.0	46.5	48.2
72.5°	30.4	30.4	30.4	30.4	30.4	32.2	32.2	32.2	28.6	28.6	26.8
75°	14.2	19.6	16.1	14.2	19.6	19.6	17.8	17.8	16.1	16.1	16.1
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: P248750

CATALOG NUMBER: LD8B70D010 ER8B70930 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3658.9	3658.9	3658.9	3658.9	3658.9	3658.9	3658.9	3658.9	3658.9	3658.9	3658.9
2.5°	3700.1	3698.3	3700.1	3701.8	3700.1	3698.3	3700.1	3701.8	3694.7	3692.9	3696.4
5°	3778.7	3778.7	3782.1	3784.0	3782.1	3778.7	3778.7	3771.5	3766.1	3760.7	3759.0
7.5°	3846.5	3850.1	3853.7	3855.5	3853.7	3850.1	3846.5	3835.8	3825.1	3816.1	3809.0
10°	3887.6	3893.0	3900.2	3903.7	3900.2	3893.0	3887.6	3875.2	3860.8	3846.5	3835.8
12.5°	3905.5	3910.8	3919.8	3918.0	3919.8	3910.8	3905.5	3887.6	3871.5	3851.9	3835.8
15°	3893.0	3900.2	3909.0	3912.6	3909.0	3900.2	3893.0	3875.2	3860.8	3839.4	3823.3
17.5°	3853.7	3864.4	3869.8	3875.2	3869.8	3864.4	3853.7	3839.4	3819.8	3801.9	3785.7
20°	3800.1	3807.3	3814.4	3816.1	3814.4	3807.3	3800.1	3784.0	3753.7	3750.1	3737.5
22.5°	3723.3	3728.7	3744.7	3739.3	3744.7	3728.7	3723.3	3708.9	3698.3	3678.6	3666.1
25°	3612.4	3617.8	3619.7	3621.4	3619.7	3617.8	3612.4	3600.0	3589.3	3575.0	3567.8
27.5°	3421.3	3421.3	3424.9	3426.7	3424.9	3421.3	3421.3	3412.3	3405.3	3398.1	3390.9
30°	3131.8	3131.8	3131.8	3140.8	3131.8	3131.8	3131.8	3130.2	3130.2	3131.8	3131.8
32.5°	2797.8	2794.2	2790.7	2794.2	2790.7	2794.2	2797.8	2799.6	2797.8	2803.2	2812.0
35°	2419.0	2417.2	2422.6	2415.5	2422.6	2417.2	2419.0	2419.0	2426.2	2433.4	2435.1
37.5°	2056.4	2052.8	2059.9	2052.8	2059.9	2052.8	2056.4	2054.6	2052.8	2056.4	2051.0
40°	1711.5	1715.1	1715.1	1729.5	1715.1	1715.1	1711.5	1708.0	1695.5	1688.3	1681.2
42.5°	1381.1	1391.7	1388.1	1398.9	1388.1	1391.7	1381.1	1373.9	1359.5	1347.1	1336.3
45°	1068.3	1075.6	1075.6	1079.1	1075.6	1075.6	1068.3	1061.3	1048.7	1037.9	1030.9
47.5°	820.0	820.0	820.0	821.8	820.0	820.0	820.0	807.6	804.0	796.8	787.8
50°	623.5	625.3	627.1	628.9	627.1	625.3	623.5	619.9	618.1	614.5	612.7
52.5°	478.8	480.6	477.0	480.6	477.0	480.6	478.8	480.6	475.2	475.2	473.4
55°	362.6	361.0	362.6	364.4	362.6	361.0	362.6	362.6	361.0	361.0	361.0
57.5°	266.2	262.7	262.7	262.7	262.7	262.7	266.2	264.4	269.8	266.2	267.9
60°	198.3	200.1	200.1	201.9	200.1	200.1	198.3	201.9	201.9	203.7	203.7
62.5°	146.5	151.9	148.2	151.9	148.2	151.9	146.5	148.2	148.2	150.1	151.9
65°	94.7	94.7	94.7	96.5	94.7	94.7	94.7	96.5	98.2	96.5	101.9
67.5°	64.3	66.1	69.7	67.8	69.7	66.1	64.3	66.1	66.1	71.5	69.7
70°	51.8	46.5	46.5	51.8	46.5	46.5	51.8	48.2	46.5	50.0	48.2
72.5°	30.4	26.8	30.4	30.4	30.4	26.8	30.4	26.8	28.6	28.6	32.2
75°	16.1	14.2	12.6	17.8	12.6	14.2	16.1	16.1	16.1	16.1	17.8
77.5°	10.8	8.9	12.6	12.6	12.6	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: P248750

CATALOG NUMBER: LD8B70D010 ER8B70930 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3658.9	3658.9	3658.9	3658.9	3658.9	3658.9	3658.9	3658.9	3658.9	3658.9	3658.9
2.5°	3696.4	3691.1	3692.9	3682.1	3682.1	3678.6	3680.4	3671.4	3667.9	3664.3	3669.7
5°	3750.1	3741.1	3733.9	3717.9	3708.9	3698.3	3692.9	3678.6	3666.1	3655.4	3653.6
7.5°	3792.9	3773.3	3760.7	3739.3	3723.3	3710.7	3692.9	3673.2	3657.2	3642.8	3632.2
10°	3810.8	3791.1	3771.5	3744.7	3726.8	3703.6	3685.7	3660.7	3639.3	3619.7	3607.0
12.5°	3812.5	3787.5	3769.7	3739.3	3716.1	3691.1	3671.4	3642.8	3617.8	3598.2	3578.6
15°	3796.5	3773.3	3751.8	3719.7	3696.4	3673.2	3650.1	3619.7	3596.4	3573.2	3559.0
17.5°	3760.7	3739.3	3714.3	3683.9	3662.5	3641.0	3616.0	3591.0	3564.2	3539.2	3521.4
20°	3714.3	3691.1	3669.7	3639.3	3621.4	3598.2	3575.0	3548.2	3526.7	3501.7	3482.1
22.5°	3644.7	3623.2	3603.6	3585.7	3557.0	3539.2	3523.2	3492.8	3471.3	3448.1	3426.7
25°	3544.6	3523.2	3507.0	3485.6	3473.1	3453.5	3437.3	3410.6	3390.9	3369.5	3351.6
27.5°	3380.3	3367.7	3358.7	3346.3	3335.5	3326.6	3317.7	3296.2	3282.0	3262.3	3244.5
30°	3133.6	3131.8	3126.5	3121.2	3128.3	3128.3	3128.3	3124.8	3112.2	3097.9	3085.4
32.5°	2817.4	2821.0	2828.2	2833.6	2847.8	2863.9	2878.2	2885.3	2885.3	2876.4	2871.1
35°	2440.5	2445.9	2456.6	2470.9	2488.7	2508.3	2540.5	2547.7	2553.0	2553.0	2545.9
37.5°	2049.2	2047.4	2058.2	2070.7	2081.4	2095.7	2118.9	2124.3	2133.2	2129.7	2122.4
40°	1668.6	1659.8	1656.2	1659.8	1672.2	1666.9	1672.2	1668.6	1668.6	1656.2	1656.2
42.5°	1316.7	1306.1	1298.8	1293.5	1293.5	1281.0	1272.0	1263.1	1257.8	1248.8	1247.0
45°	1014.8	1002.3	993.3	989.7	984.5	968.3	957.6	946.9	934.4	930.9	932.6
47.5°	787.8	775.4	771.8	762.8	753.9	745.0	737.8	725.4	723.5	716.4	723.5
50°	607.5	603.9	598.5	594.9	589.5	582.5	575.3	568.1	564.5	564.5	566.3
52.5°	471.7	473.4	468.0	462.7	459.2	459.2	450.2	448.4	448.4	441.3	448.4
55°	361.0	359.1	361.0	357.3	357.3	352.0	352.0	346.6	346.6	341.2	344.8
57.5°	264.4	267.9	264.4	266.2	269.8	264.4	262.7	257.3	260.9	257.3	259.1
60°	205.5	205.5	205.5	203.7	203.7	201.9	201.9	200.1	200.1	196.5	200.1
62.5°	151.9	153.6	153.6	153.6	155.5	153.6	151.9	153.6	151.9	151.9	153.6
65°	100.1	101.9	101.9	100.1	103.6	100.1	101.9	103.6	105.4	103.6	105.4
67.5°	67.8	67.8	69.7	71.5	69.7	71.5	73.2	71.5	73.2	76.9	73.2
70°	50.0	51.8	51.8	50.0	48.2	50.0	48.2	53.6	53.6	53.6	57.2
72.5°	32.2	32.2	30.4	30.4	30.4	30.4	30.4	35.8	32.2	30.4	34.0
75°	17.8	19.6	19.6	14.2	16.1	19.6	14.2	16.1	21.5	17.8	21.5
77.5°	10.8	10.8	10.8	10.8	10.8	10.8	14.2	12.6	12.6	12.6	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: P248750

CATALOG NUMBER: LD8B70D010 ER8B70930 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3658.9	3658.9	3658.9	3658.9	3658.9	3658.9	3658.9	3658.9	3658.9	3658.9	3658.9
2.5°	3655.4	3655.4	3653.6	3650.1	3642.8	3642.8	3641.0	3635.7	3632.2	3630.4	3630.4
5°	3637.4	3630.4	3623.2	3603.6	3603.6	3600.0	3589.3	3582.0	3578.6	3569.6	3566.0
7.5°	3621.4	3600.0	3587.4	3575.0	3559.0	3551.7	3539.2	3533.8	3521.4	3512.4	3507.0
10°	3582.0	3567.8	3551.7	3532.0	3519.6	3505.4	3491.0	3480.3	3464.2	3455.3	3448.1
12.5°	3555.4	3533.8	3519.6	3498.1	3476.7	3464.2	3444.6	3432.1	3415.9	3398.1	3387.3
15°	3530.4	3507.0	3487.4	3464.2	3441.0	3426.7	3403.5	3389.2	3365.9	3348.1	3335.5
17.5°	3492.8	3473.1	3451.7	3423.1	3401.7	3383.9	3358.7	3340.9	3319.5	3296.2	3283.7
20°	3453.5	3430.3	3408.8	3380.3	3358.7	3337.3	3312.3	3292.7	3267.6	3246.2	3232.0
22.5°	3401.7	3374.9	3356.9	3328.4	3303.4	3280.2	3257.0	3233.7	3210.5	3192.6	3176.6
25°	3326.6	3298.0	3278.4	3255.2	3232.0	3214.1	3185.5	3171.2	3148.0	3131.8	3115.8
27.5°	3219.4	3198.0	3180.2	3156.8	3137.2	3123.0	3101.5	3087.2	3067.5	3053.3	3040.8
30°	3062.2	3044.4	3028.3	3005.1	2990.7	2978.3	2958.5	2946.1	2931.8	2915.7	2912.1
32.5°	2851.4	2837.0	2821.0	2805.0	2794.2	2787.0	2771.0	2763.8	2749.6	2740.6	2731.7
35°	2533.3	2520.9	2511.9	2504.9	2501.2	2503.0	2499.5	2506.6	2510.1	2508.3	2510.1
37.5°	2117.1	2109.9	2113.5	2118.9	2136.7	2160.1	2181.5	2213.5	2235.0	2256.5	2276.1
40°	1652.6	1658.0	1672.2	1704.4	1750.9	1802.7	1850.9	1911.6	1972.4	2015.3	2054.6
42.5°	1247.0	1263.1	1298.8	1345.3	1415.0	1491.8	1566.8	1656.2	1729.5	1800.9	1850.9
45°	937.9	959.4	1005.9	1070.2	1147.0	1236.4	1331.1	1431.1	1518.6	1591.8	1647.2
47.5°	730.8	750.4	796.8	864.7	959.4	1052.3	1150.6	1254.2	1345.3	1416.7	1465.0
50°	577.1	602.1	643.1	714.6	809.4	907.6	1009.5	1111.2	1197.0	1257.8	1300.7
52.5°	453.8	477.0	516.3	591.4	687.8	786.2	880.8	980.9	1055.9	1114.8	1143.4
55°	352.0	373.4	414.4	477.0	568.1	664.6	759.3	845.1	914.7	957.6	984.5
57.5°	267.9	284.1	312.6	375.2	457.4	546.7	627.1	712.8	766.4	796.8	814.6
60°	203.7	216.2	246.6	294.8	369.8	446.7	514.5	578.9	621.7	646.8	664.6
62.5°	153.6	167.9	189.3	230.5	287.6	350.2	407.4	455.6	491.3	507.4	519.9
65°	105.4	116.1	132.2	164.3	212.5	257.3	302.0	337.6	361.0	378.8	386.0
67.5°	78.6	85.8	94.7	119.7	153.6	189.3	219.7	244.7	269.8	276.9	289.4
70°	59.0	64.3	73.2	91.1	110.8	135.8	160.9	175.1	192.9	205.5	209.1
72.5°	37.6	39.2	48.2	59.0	75.0	91.1	107.2	119.7	130.5	137.5	141.1
75°	21.5	32.2	32.2	42.8	53.6	60.8	71.5	80.4	85.8	91.1	91.1
77.5°	14.2	19.6	21.5	26.8	32.2	41.1	50.0	55.4	60.8	62.6	62.6
80°	12.6	14.2	14.2	19.6	23.2	30.4	35.8	37.6	41.1	42.8	46.5
82.5°	5.4	7.2	8.9	14.2	16.1	16.1	21.5	23.2	26.8	28.6	28.6
85°	1.8	3.6	3.6	5.4	8.9	10.8	12.6	14.2	16.1	16.1	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: P248750

CATALOG NUMBER: LD8B70D010 ER8B70930 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	3658.9	3658.9	3658.9	3658.9	3658.9	3658.9	3658.9
2.5°	3626.8	3628.6	3621.4	3619.7	3616.0	3617.8	3621.4
5°	3560.6	3562.4	3555.4	3548.2	3548.2	3546.4	3548.2
7.5°	3498.1	3500.0	3489.2	3485.6	3478.5	3480.3	3480.3
10°	3435.6	3435.6	3419.6	3417.7	3412.3	3410.6	3410.6
12.5°	3374.9	3369.5	3356.9	3349.9	3353.5	3342.7	3342.7
15°	3321.3	3312.3	3296.2	3290.9	3282.0	3278.4	3278.4
17.5°	3265.9	3258.7	3244.5	3233.7	3223.0	3221.2	3223.0
20°	3212.2	3205.2	3187.2	3180.2	3171.2	3171.2	3167.6
22.5°	3158.6	3151.5	3135.4	3130.2	3117.6	3117.6	3119.4
25°	3103.3	3097.9	3080.1	3076.5	3074.8	3067.5	3071.1
27.5°	3028.3	3024.7	3010.4	3005.1	2997.9	2996.1	2999.7
30°	2890.7	2885.3	2874.7	2869.3	2856.8	2858.6	2862.0
32.5°	2719.2	2712.0	2697.7	2692.3	2681.7	2678.1	2679.9
35°	2504.9	2499.5	2486.9	2486.9	2476.2	2472.6	2476.2
37.5°	2286.8	2292.1	2286.8	2292.1	2286.8	2285.0	2286.8
40°	2081.4	2101.1	2104.6	2124.3	2117.1	2127.8	2126.1
42.5°	1884.8	1917.0	1929.6	1945.6	1942.0	1949.2	1954.6
45°	1686.5	1713.3	1725.9	1736.5	1738.3	1741.9	1743.7
47.5°	1498.9	1520.4	1522.2	1534.6	1532.9	1532.9	1538.2
50°	1323.9	1338.1	1341.7	1350.7	1343.5	1339.9	1341.7
52.5°	1161.4	1175.6	1172.0	1175.6	1166.6	1163.0	1164.8
55°	995.1	1002.3	1002.3	1002.3	991.5	991.5	991.5
57.5°	825.4	827.2	823.6	825.4	823.6	812.8	811.2
60°	670.0	670.0	668.1	670.0	664.6	659.3	659.3
62.5°	523.4	527.1	534.2	527.1	523.4	527.1	521.7
65°	391.3	398.4	396.6	400.2	398.4	398.4	394.8
67.5°	294.8	296.6	298.3	300.2	300.2	300.2	300.2
70°	216.2	221.6	219.7	219.7	219.7	219.7	230.5
72.5°	144.7	151.9	150.1	153.6	153.6	157.3	153.6
75°	98.2	105.4	101.9	107.2	105.4	101.9	110.8
77.5°	66.1	69.7	71.5	73.2	71.5	69.7	71.5
80°	46.5	50.0	48.2	50.0	50.0	50.0	51.8
82.5°	28.6	34.0	32.2	34.0	32.2	34.0	34.0
85°	19.6	21.5	17.8	21.5	19.6	19.6	23.2
87.5°	12.6	10.8	10.8	12.6	10.8	12.6	10.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)