

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: P248714

Luminaire Tested: **LD8B70D010 ER8B70935 8LBSW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248714
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 ER8B70935 8LBSW0WMH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
90 CRI 3500 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6365.0 lumens
Efficiency: N/A
Efficacy: 83.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.23 / 1.15
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

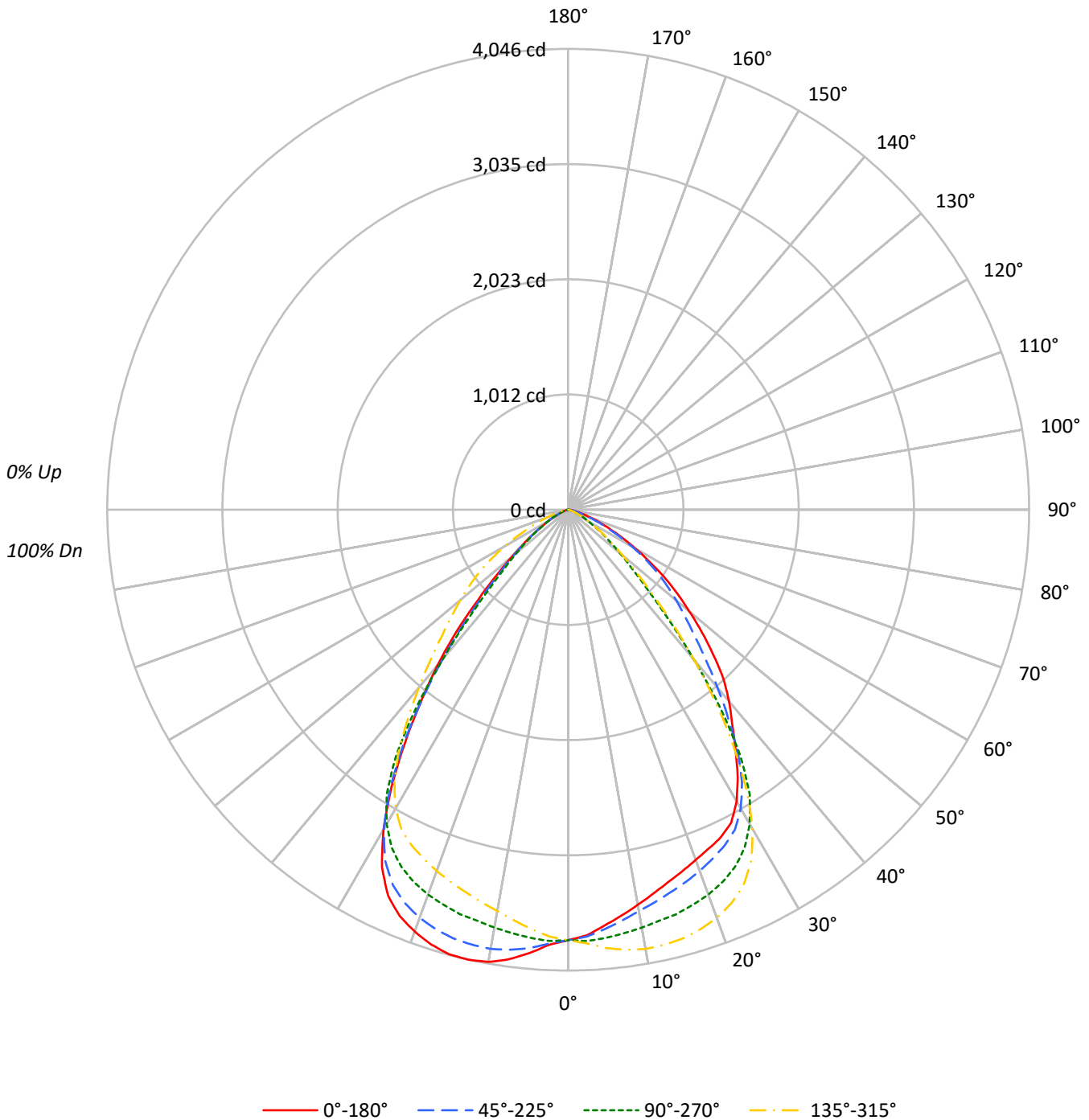
Input Watts (W): 75.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P248714

CATALOG NUMBER: LD8B70D010 ER8B70935 8LBSW0WMH

Luminous Intensity Polar Plot





TEST NUMBER: P248714

CATALOG NUMBER: LD8B70D010 ER8B70935 8LBSW0WMH

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	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					100			
1	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	90					90			
2	105	99	94	89	102	97	92	88	93	90	86	90	87	84	87	85	83	81					81			
3	98	90	83	78	95	88	82	78	85	80	76	83	79	75	80	77	74	72					72			
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	65					65			
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58					58			
6	80	69	61	56	78	68	61	56	66	60	55	65	59	55	63	58	55	53					53			
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48					48			
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	55	49	46	44					44			
9	66	54	47	42	65	54	47	42	53	47	42	52	46	42	51	46	42	40					40			
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	37					37			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	116521	116521	116521	116521
5°	113425	116796	120966	116796
10°	110287	116644	126231	116644
15°	108085	117334	128996	117334
20°	107349	118007	129328	118007
25°	107914	117768	127250	117768
30°	105246	113457	115497	113457
35°	96267	98974	93907	98974
40°	88382	68846	71898	68846
45°	78531	42000	48598	42000
50°	66471	28054	31158	28054
55°	55052	19144	20236	19144
60°	41987	12742	12859	12742
65°	29748	7939	7267	7939
70°	21458	5319	4824	5319
75°	13630	2645	2204	2645
80°	9500	1971	1634	1971
85°	8491	0	637	0



TEST NUMBER: P248714

CATALOG NUMBER: LD8B70D010 ER8B70935 8LBSW0WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	359.7	5.7
10°-20°	1041.5	16.4
20°-30°	1577.1	24.8
30°-40°	1580.6	24.8
40°-50°	992.5	15.6
50°-60°	528.9	8.3
60°-70°	217.5	3.4
70°-80°	57.5	0.9
80°-90°	9.7	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°	2978.2	46.8
0°-40°	4558.9	71.6
0°-60°	6080.3	95.5
0°-90°	6365.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6365.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3779	3779	3779	3779	3779	
5°	3664	3773	3908	3773	3664	346
15°	3386	3675	4041	3675	3386	958
25°	3172	3461	3740	3461	3172	1455
35°	2557	2629	2495	2629	2557	1602
45°	1801	963	1114	963	1801	1385
55°	1024	356	376	356	1024	913
65°	408	109	100	109	408	423
75°	114	22	18	22	114	130
85°	24	0	2	0	24	26
90°	0	0	0	0	0	



TEST NUMBER: P248714

CATALOG NUMBER: LD8B70D010 ER8B70935 8LBSW0WMH

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	3778.7	3778.7	3778.7	3778.7	3778.7	3778.7	3778.7	3778.7	3778.7	3778.7	3778.7
2.5°	3740.0	3736.2	3734.4	3738.1	3740.0	3747.3	3745.5	3749.2	3749.2	3751.1	3754.7
5°	3664.3	3662.4	3664.3	3664.3	3671.7	3679.1	3677.2	3682.8	3686.4	3695.7	3699.3
7.5°	3594.2	3594.2	3592.3	3599.7	3603.4	3614.5	3612.6	3621.9	3627.4	3636.6	3649.5
10°	3522.2	3522.2	3524.1	3529.6	3531.5	3548.1	3548.1	3561.0	3568.3	3577.6	3594.2
12.5°	3452.1	3452.1	3463.2	3459.5	3466.9	3479.8	3485.3	3498.2	3509.3	3527.8	3544.4
15°	3385.7	3385.7	3389.4	3398.6	3404.1	3420.8	3430.0	3444.8	3457.7	3476.1	3500.1
17.5°	3328.5	3326.7	3328.5	3339.6	3350.7	3365.4	3372.8	3391.2	3404.1	3428.1	3450.3
20°	3271.3	3275.0	3275.0	3284.2	3291.6	3310.0	3317.4	3337.8	3352.5	3374.6	3400.5
22.5°	3221.5	3219.7	3219.7	3232.6	3238.1	3254.7	3262.0	3280.5	3297.1	3315.6	3339.6
25°	3171.7	3168.0	3175.4	3177.2	3180.9	3199.3	3204.9	3217.8	3234.4	3251.0	3275.0
27.5°	3097.9	3094.2	3096.0	3103.4	3108.9	3123.7	3127.4	3140.3	3153.2	3168.0	3188.3
30°	2955.8	2952.1	2950.3	2963.2	2968.7	2979.8	2985.3	3007.5	3011.1	3027.8	3042.5
32.5°	2767.6	2765.8	2769.5	2780.5	2786.0	2800.8	2808.2	2821.1	2830.3	2839.6	2854.3
35°	2557.3	2553.6	2557.3	2568.4	2568.4	2581.3	2586.8	2592.3	2590.5	2592.3	2588.6
37.5°	2361.7	2359.8	2361.7	2367.2	2361.7	2367.2	2361.7	2350.6	2330.4	2308.2	2286.0
40°	2195.6	2197.5	2186.4	2193.8	2173.5	2169.8	2149.5	2121.8	2081.3	2037.0	1974.3
42.5°	2018.5	2013.0	2005.6	2009.3	1992.7	1979.7	1946.5	1911.5	1859.8	1786.1	1710.3
45°	1800.8	1799.0	1795.3	1793.4	1782.3	1769.4	1741.7	1701.2	1644.0	1568.3	1477.9
47.5°	1588.6	1583.1	1583.1	1584.9	1572.0	1570.2	1548.0	1513.0	1463.1	1389.3	1295.2
50°	1385.6	1383.8	1387.5	1394.9	1385.6	1382.0	1367.2	1343.2	1299.0	1236.2	1147.6
52.5°	1203.0	1201.1	1204.9	1214.1	1210.3	1214.1	1199.3	1180.9	1151.3	1090.4	1012.9
55°	1024.0	1024.0	1024.0	1035.0	1035.0	1035.0	1027.7	1016.7	989.0	944.7	872.8
57.5°	837.7	839.5	850.6	852.4	850.6	854.3	852.4	841.3	822.9	791.6	736.2
60°	680.8	680.8	686.4	691.9	690.0	691.9	691.9	686.4	667.9	642.1	597.8
62.5°	538.8	544.3	540.6	544.3	551.7	544.3	540.6	536.9	524.0	507.4	470.5
65°	407.7	411.5	411.5	413.3	409.6	411.5	404.1	398.6	391.2	372.7	348.7
67.5°	310.0	310.0	310.0	310.0	308.1	306.3	304.5	298.9	286.0	278.6	252.7
70°	238.0	226.9	226.9	226.9	226.9	228.8	223.3	215.9	212.2	199.3	180.8
72.5°	158.6	162.4	158.6	158.6	155.0	156.8	149.5	145.7	142.1	134.7	123.6
75°	114.4	105.2	108.8	110.7	105.2	108.8	101.5	94.1	94.1	88.6	83.0
77.5°	73.8	72.0	73.8	75.6	73.8	72.0	68.3	64.6	64.6	62.7	57.2
80°	53.5	51.6	51.6	51.6	49.8	51.6	48.0	48.0	44.3	42.5	38.7
82.5°	35.1	35.1	33.2	35.1	33.2	35.1	29.5	29.5	29.5	27.6	24.0
85°	24.0	20.3	20.3	22.2	18.5	22.2	20.3	18.5	16.6	16.6	14.7
87.5°	11.1	12.9	11.1	12.9	11.1	11.1	12.9	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



TEST NUMBER: P248714

CATALOG NUMBER: LD8B70D010 ER8B70935 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	3778.7	3778.7	3778.7	3778.7	3778.7	3778.7	3778.7	3778.7	3778.7	3778.7	3778.7
2.5°	3760.2	3762.1	3762.1	3769.5	3773.2	3775.0	3775.0	3789.8	3784.2	3788.0	3791.6
5°	3706.8	3717.8	3721.5	3721.5	3741.8	3749.2	3756.5	3773.2	3775.0	3786.1	3799.0
7.5°	3655.1	3668.0	3675.4	3692.0	3704.9	3717.8	3740.0	3751.1	3762.1	3776.9	3793.4
10°	3605.2	3620.1	3634.8	3647.7	3668.0	3684.6	3699.3	3725.2	3738.1	3758.4	3780.5
12.5°	3557.3	3577.6	3590.5	3612.6	3634.8	3649.5	3671.7	3695.7	3716.0	3736.2	3762.1
15°	3514.9	3538.9	3553.6	3577.6	3601.6	3621.9	3645.9	3675.4	3690.1	3714.1	3738.1
17.5°	3468.7	3494.6	3513.0	3535.1	3564.7	3586.8	3607.1	3636.6	3655.1	3680.9	3708.6
20°	3420.8	3446.6	3468.7	3490.9	3520.4	3542.5	3566.5	3596.1	3616.3	3642.2	3664.3
22.5°	3363.6	3387.6	3411.5	3437.3	3466.9	3485.3	3513.0	3538.9	3561.0	3585.0	3607.1
25°	3289.8	3319.3	3337.8	3361.7	3385.7	3406.0	3435.5	3461.3	3479.8	3502.0	3522.2
27.5°	3203.0	3225.2	3239.9	3260.2	3284.2	3302.7	3324.8	3350.7	3369.1	3389.4	3404.1
30°	3055.4	3075.8	3088.7	3103.4	3127.4	3144.0	3162.5	3186.4	3199.3	3214.1	3227.0
32.5°	2861.7	2878.3	2885.7	2896.8	2913.4	2929.9	2944.8	2965.0	2970.6	2979.8	2979.8
35°	2581.3	2584.9	2583.1	2586.8	2594.2	2603.4	2616.3	2629.2	2636.6	2636.6	2631.1
37.5°	2252.8	2230.7	2206.7	2188.3	2182.7	2179.0	2186.4	2191.9	2199.4	2203.0	2193.8
40°	1911.5	1861.7	1808.2	1760.2	1727.0	1712.2	1706.7	1710.3	1710.3	1723.3	1723.3
42.5°	1618.2	1540.6	1461.3	1389.3	1341.3	1304.5	1287.9	1287.9	1289.7	1299.0	1304.5
45°	1374.6	1276.8	1184.5	1105.2	1038.8	990.8	968.7	963.1	961.3	965.0	977.9
47.5°	1188.2	1086.8	990.8	893.0	822.9	774.9	754.7	747.2	739.9	747.2	749.1
50°	1042.5	937.3	835.8	738.0	664.2	621.8	595.9	584.8	583.0	583.0	586.7
52.5°	909.6	811.8	710.4	610.7	533.2	492.7	468.7	463.1	455.7	463.1	463.1
55°	784.1	686.4	586.7	492.7	428.0	385.6	363.5	356.1	352.4	357.9	357.9
57.5°	647.7	564.6	472.4	387.5	322.9	293.4	276.7	267.6	265.7	269.4	265.7
60°	531.4	461.3	381.9	304.5	254.6	223.3	210.4	206.6	202.9	206.6	206.6
62.5°	420.7	361.6	297.0	238.0	195.6	173.5	158.6	158.6	156.8	156.8	158.6
65°	311.8	265.7	219.6	169.7	136.5	119.9	108.8	108.8	107.0	108.8	107.0
67.5°	226.9	195.6	158.6	123.6	97.8	88.6	81.2	75.6	79.4	75.6	73.8
70°	166.1	140.2	114.4	94.1	75.6	66.5	60.9	59.0	55.4	55.4	55.4
72.5°	110.7	94.1	77.5	60.9	49.8	40.6	38.7	35.1	31.4	33.2	36.9
75°	73.8	62.7	55.4	44.3	33.2	33.2	22.2	22.2	18.5	22.2	16.6
77.5°	51.6	42.5	33.2	27.6	22.2	20.3	14.7	14.7	12.9	12.9	12.9
80°	36.9	31.4	24.0	20.3	14.7	14.7	12.9	11.1	9.2	9.2	11.1
82.5°	22.2	16.6	16.6	14.7	9.2	7.4	5.5	7.4	3.7	3.7	3.7
85°	12.9	11.1	9.2	5.5	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



TEST NUMBER: P248714

CATALOG NUMBER: LD8B70D010 ER8B70935 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	3778.7	3778.7	3778.7	3778.7	3778.7	3778.7	3778.7	3778.7	3778.7	3778.7	3778.7
2.5°	3800.9	3799.0	3802.7	3802.7	3813.8	3811.9	3817.4	3817.4	3813.8	3815.6	3823.0
5°	3813.8	3819.3	3830.3	3839.6	3856.2	3863.6	3872.8	3882.1	3883.9	3889.4	3895.0
7.5°	3813.8	3832.2	3845.2	3861.7	3883.9	3896.8	3917.1	3933.7	3941.1	3950.3	3961.3
10°	3806.3	3824.8	3848.8	3867.3	3895.0	3915.2	3935.5	3961.3	3972.4	3987.2	4002.0
12.5°	3791.6	3811.9	3837.7	3861.7	3893.1	3911.5	3937.3	3961.3	3978.0	3998.3	4014.9
15°	3769.5	3793.4	3817.4	3841.4	3874.6	3896.8	3920.8	3948.4	3965.1	3987.2	4002.0
17.5°	3734.4	3760.2	3782.4	3804.5	3835.9	3861.7	3883.9	3909.7	3926.3	3944.8	3965.1
20°	3692.0	3716.0	3740.0	3758.4	3789.8	3811.9	3835.9	3859.9	3872.8	3876.5	3907.9
22.5°	3638.5	3655.1	3673.5	3703.1	3721.5	3741.8	3764.0	3786.1	3799.0	3819.3	3830.3
25°	3549.9	3566.5	3586.8	3599.7	3621.9	3638.5	3660.6	3684.6	3692.0	3706.8	3717.8
27.5°	3426.3	3435.5	3444.8	3455.8	3468.7	3478.0	3490.9	3502.0	3509.3	3516.7	3524.1
30°	3230.7	3230.7	3230.7	3223.3	3228.9	3234.4	3236.2	3234.4	3234.4	3232.6	3232.6
32.5°	2972.4	2957.7	2941.0	2926.3	2920.8	2913.4	2909.7	2904.1	2894.9	2889.4	2891.2
35°	2623.7	2590.5	2570.2	2551.7	2537.0	2525.9	2520.4	2514.8	2513.0	2505.6	2498.2
37.5°	2188.3	2164.3	2149.5	2138.4	2125.5	2114.4	2116.3	2118.2	2123.6	2120.0	2121.8
40°	1727.0	1721.4	1727.0	1714.1	1710.3	1714.1	1723.3	1736.2	1743.6	1751.0	1763.9
42.5°	1313.7	1322.9	1335.9	1335.9	1341.3	1348.8	1359.8	1380.1	1391.2	1404.1	1418.9
45°	989.0	1000.0	1016.7	1022.1	1025.9	1035.0	1048.0	1064.6	1072.0	1083.0	1096.0
47.5°	762.0	769.4	778.6	787.8	797.0	800.8	813.7	813.7	822.9	830.3	833.9
50°	594.1	601.5	608.8	614.4	618.1	623.7	627.3	632.8	634.7	638.4	640.2
52.5°	464.9	474.2	474.2	477.8	483.4	488.9	487.1	488.9	490.8	490.8	496.3
55°	363.5	363.5	369.0	369.0	372.7	370.8	372.7	372.7	372.7	372.7	374.6
57.5°	271.2	273.1	278.6	274.9	273.1	276.7	273.1	276.7	274.9	278.6	273.1
60°	208.5	208.5	210.4	210.4	212.2	212.2	212.2	210.4	210.4	208.5	208.5
62.5°	156.8	158.6	160.5	158.6	158.6	158.6	156.8	156.8	155.0	153.1	153.1
65°	105.2	103.4	107.0	103.4	105.2	105.2	103.4	105.2	99.6	101.5	99.6
67.5°	75.6	73.8	72.0	73.8	72.0	70.1	70.1	72.0	73.8	68.3	68.3
70°	49.8	51.6	49.8	51.6	53.5	53.5	51.6	49.8	51.6	48.0	49.8
72.5°	31.4	31.4	31.4	31.4	31.4	33.2	33.2	33.2	29.5	29.5	27.6
75°	14.7	20.3	16.6	14.7	20.3	20.3	18.5	18.5	16.6	16.6	16.6
77.5°	14.7	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	5.5	7.4	7.4	9.2	7.4	7.4	5.5	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: P248714

CATALOG NUMBER: LD8B70D010 ER8B70935 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3778.7	3778.7	3778.7	3778.7	3778.7	3778.7	3778.7	3778.7	3778.7	3778.7	3778.7
2.5°	3821.2	3819.3	3821.2	3823.0	3821.2	3819.3	3821.2	3823.0	3815.6	3813.8	3817.4
5°	3902.3	3902.3	3906.0	3907.9	3906.0	3902.3	3902.3	3895.0	3889.4	3883.9	3882.1
7.5°	3972.4	3976.2	3979.8	3981.6	3979.8	3976.2	3972.4	3961.3	3950.3	3941.1	3933.7
10°	4014.9	4020.4	4027.8	4031.4	4027.8	4020.4	4014.9	4002.0	3987.2	3972.4	3961.3
12.5°	4033.3	4038.9	4048.1	4046.3	4048.1	4038.9	4033.3	4014.9	3998.3	3978.0	3961.3
15°	4020.4	4027.8	4037.0	4040.7	4037.0	4027.8	4020.4	4002.0	3987.2	3965.1	3948.4
17.5°	3979.8	3990.9	3996.4	4002.0	3996.4	3990.9	3979.8	3965.1	3944.8	3926.3	3909.7
20°	3924.4	3931.9	3939.2	3941.1	3939.2	3931.9	3924.4	3907.9	3876.5	3872.8	3859.9
22.5°	3845.2	3850.7	3867.3	3861.7	3867.3	3850.7	3845.2	3830.3	3819.3	3799.0	3786.1
25°	3730.7	3736.2	3738.1	3740.0	3738.1	3736.2	3730.7	3717.8	3706.8	3692.0	3684.6
27.5°	3533.3	3533.3	3537.0	3538.9	3537.0	3533.3	3533.3	3524.1	3516.7	3509.3	3502.0
30°	3234.4	3234.4	3234.4	3243.7	3234.4	3234.4	3234.4	3232.6	3232.6	3234.4	3234.4
32.5°	2889.4	2885.7	2882.0	2885.7	2882.0	2885.7	2889.4	2891.2	2889.4	2894.9	2904.1
35°	2498.2	2496.4	2501.9	2494.6	2501.9	2496.4	2498.2	2498.2	2505.6	2513.0	2514.8
37.5°	2123.6	2120.0	2127.4	2120.0	2127.4	2120.0	2123.6	2121.8	2120.0	2123.6	2118.2
40°	1767.6	1771.3	1771.3	1786.1	1771.3	1771.3	1767.6	1763.9	1751.0	1743.6	1736.2
42.5°	1426.2	1437.3	1433.6	1444.7	1433.6	1437.3	1426.2	1418.9	1404.1	1391.2	1380.1
45°	1103.3	1110.8	1110.8	1114.4	1110.8	1110.8	1103.3	1096.0	1083.0	1072.0	1064.6
47.5°	846.9	846.9	846.9	848.8	846.9	846.9	846.9	833.9	830.3	822.9	813.7
50°	643.9	645.8	647.7	649.5	647.7	645.8	643.9	640.2	638.4	634.7	632.8
52.5°	494.5	496.3	492.7	496.3	492.7	496.3	494.5	496.3	490.8	490.8	488.9
55°	374.6	372.7	374.6	376.4	374.6	372.7	374.6	374.6	372.7	372.7	372.7
57.5°	274.9	271.2	271.2	271.2	271.2	271.2	274.9	273.1	278.6	274.9	276.7
60°	204.8	206.6	206.6	208.5	206.6	206.6	204.8	208.5	208.5	210.4	210.4
62.5°	151.3	156.8	153.1	156.8	153.1	156.8	151.3	153.1	153.1	155.0	156.8
65°	97.8	97.8	97.8	99.6	97.8	97.8	97.8	99.6	101.5	99.6	105.2
67.5°	66.5	68.3	72.0	70.1	72.0	68.3	66.5	68.3	68.3	73.8	72.0
70°	53.5	48.0	48.0	53.5	48.0	48.0	53.5	49.8	48.0	51.6	49.8
72.5°	31.4	27.6	31.4	31.4	31.4	27.6	31.4	27.6	29.5	29.5	33.2
75°	16.6	14.7	12.9	18.5	12.9	14.7	16.6	16.6	16.6	16.6	18.5
77.5°	11.1	9.2	12.9	12.9	12.9	9.2	11.1	9.2	11.1	9.2	11.1
80°	5.5	7.4	5.5	9.2	5.5	7.4	5.5	9.2	5.5	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: P248714

CATALOG NUMBER: LD8B70D010 ER8B70935 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3778.7	3778.7	3778.7	3778.7	3778.7	3778.7	3778.7	3778.7	3778.7	3778.7	3778.7
2.5°	3817.4	3811.9	3813.8	3802.7	3802.7	3799.0	3800.9	3791.6	3788.0	3784.2	3789.8
5°	3872.8	3863.6	3856.2	3839.6	3830.3	3819.3	3813.8	3799.0	3786.1	3775.0	3773.2
7.5°	3917.1	3896.8	3883.9	3861.7	3845.2	3832.2	3813.8	3793.4	3776.9	3762.1	3751.1
10°	3935.5	3915.2	3895.0	3867.3	3848.8	3824.8	3806.3	3780.5	3758.4	3738.1	3725.2
12.5°	3937.3	3911.5	3893.1	3861.7	3837.7	3811.9	3791.6	3762.1	3736.2	3716.0	3695.7
15°	3920.8	3896.8	3874.6	3841.4	3817.4	3793.4	3769.5	3738.1	3714.1	3690.1	3675.4
17.5°	3883.9	3861.7	3835.9	3804.5	3782.4	3760.2	3734.4	3708.6	3680.9	3655.1	3636.6
20°	3835.9	3811.9	3789.8	3758.4	3740.0	3716.0	3692.0	3664.3	3642.2	3616.3	3596.1
22.5°	3764.0	3741.8	3721.5	3703.1	3673.5	3655.1	3638.5	3607.1	3585.0	3561.0	3538.9
25°	3660.6	3638.5	3621.9	3599.7	3586.8	3566.5	3549.9	3522.2	3502.0	3479.8	3461.3
27.5°	3490.9	3478.0	3468.7	3455.8	3444.8	3435.5	3426.3	3404.1	3389.4	3369.1	3350.7
30°	3236.2	3234.4	3228.9	3223.3	3230.7	3230.7	3230.7	3227.0	3214.1	3199.3	3186.4
32.5°	2909.7	2913.4	2920.8	2926.3	2941.0	2957.7	2972.4	2979.8	2979.8	2970.6	2965.0
35°	2520.4	2525.9	2537.0	2551.7	2570.2	2590.5	2623.7	2631.1	2636.6	2636.6	2629.2
37.5°	2116.3	2114.4	2125.5	2138.4	2149.5	2164.3	2188.3	2193.8	2203.0	2199.4	2191.9
40°	1723.3	1714.1	1710.3	1714.1	1727.0	1721.4	1727.0	1723.3	1723.3	1710.3	1710.3
42.5°	1359.8	1348.8	1341.3	1335.9	1335.9	1322.9	1313.7	1304.5	1299.0	1289.7	1287.9
45°	1048.0	1035.0	1025.9	1022.1	1016.7	1000.0	989.0	977.9	965.0	961.3	963.1
47.5°	813.7	800.8	797.0	787.8	778.6	769.4	762.0	749.1	747.2	739.9	747.2
50°	627.3	623.7	618.1	614.4	608.8	601.5	594.1	586.7	583.0	583.0	584.8
52.5°	487.1	488.9	483.4	477.8	474.2	474.2	464.9	463.1	463.1	455.7	463.1
55°	372.7	370.8	372.7	369.0	369.0	363.5	363.5	357.9	357.9	352.4	356.1
57.5°	273.1	276.7	273.1	274.9	278.6	273.1	271.2	265.7	269.4	265.7	267.6
60°	212.2	212.2	212.2	210.4	210.4	208.5	208.5	206.6	206.6	202.9	206.6
62.5°	156.8	158.6	158.6	158.6	160.5	158.6	156.8	158.6	156.8	156.8	158.6
65°	103.4	105.2	105.2	103.4	107.0	103.4	105.2	107.0	108.8	107.0	108.8
67.5°	70.1	70.1	72.0	73.8	72.0	73.8	75.6	73.8	75.6	79.4	75.6
70°	51.6	53.5	53.5	51.6	49.8	51.6	49.8	55.4	55.4	55.4	59.0
72.5°	33.2	33.2	31.4	31.4	31.4	31.4	31.4	36.9	33.2	31.4	35.1
75°	18.5	20.3	20.3	14.7	16.6	20.3	14.7	16.6	22.2	18.5	22.2
77.5°	11.1	11.1	11.1	11.1	11.1	11.1	14.7	12.9	12.9	12.9	14.7
80°	9.2	7.4	7.4	5.5	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: P248714

CATALOG NUMBER: LD8B70D010 ER8B70935 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3778.7	3778.7	3778.7	3778.7	3778.7	3778.7	3778.7	3778.7	3778.7	3778.7	3778.7
2.5°	3775.0	3775.0	3773.2	3769.5	3762.1	3762.1	3760.2	3754.7	3751.1	3749.2	3749.2
5°	3756.5	3749.2	3741.8	3721.5	3721.5	3717.8	3706.8	3699.3	3695.7	3686.4	3682.8
7.5°	3740.0	3717.8	3704.9	3692.0	3675.4	3668.0	3655.1	3649.5	3636.6	3627.4	3621.9
10°	3699.3	3684.6	3668.0	3647.7	3634.8	3620.1	3605.2	3594.2	3577.6	3568.3	3561.0
12.5°	3671.7	3649.5	3634.8	3612.6	3590.5	3577.6	3557.3	3544.4	3527.8	3509.3	3498.2
15°	3645.9	3621.9	3601.6	3577.6	3553.6	3538.9	3514.9	3500.1	3476.1	3457.7	3444.8
17.5°	3607.1	3586.8	3564.7	3535.1	3513.0	3494.6	3468.7	3450.3	3428.1	3404.1	3391.2
20°	3566.5	3542.5	3520.4	3490.9	3468.7	3446.6	3420.8	3400.5	3374.6	3352.5	3337.8
22.5°	3513.0	3485.3	3466.9	3437.3	3411.5	3387.6	3363.6	3339.6	3315.6	3297.1	3280.5
25°	3435.5	3406.0	3385.7	3361.7	3337.8	3319.3	3289.8	3275.0	3251.0	3234.4	3217.8
27.5°	3324.8	3302.7	3284.2	3260.2	3239.9	3225.2	3203.0	3188.3	3168.0	3153.2	3140.3
30°	3162.5	3144.0	3127.4	3103.4	3088.7	3075.8	3055.4	3042.5	3027.8	3011.1	3007.5
32.5°	2944.8	2929.9	2913.4	2896.8	2885.7	2878.3	2861.7	2854.3	2839.6	2830.3	2821.1
35°	2616.3	2603.4	2594.2	2586.8	2583.1	2584.9	2581.3	2588.6	2592.3	2590.5	2592.3
37.5°	2186.4	2179.0	2182.7	2188.3	2206.7	2230.7	2252.8	2286.0	2308.2	2330.4	2350.6
40°	1706.7	1712.2	1727.0	1760.2	1808.2	1861.7	1911.5	1974.3	2037.0	2081.3	2121.8
42.5°	1287.9	1304.5	1341.3	1389.3	1461.3	1540.6	1618.2	1710.3	1786.1	1859.8	1911.5
45°	968.7	990.8	1038.8	1105.2	1184.5	1276.8	1374.6	1477.9	1568.3	1644.0	1701.2
47.5°	754.7	774.9	822.9	893.0	990.8	1086.8	1188.2	1295.2	1389.3	1463.1	1513.0
50°	595.9	621.8	664.2	738.0	835.8	937.3	1042.5	1147.6	1236.2	1299.0	1343.2
52.5°	468.7	492.7	533.2	610.7	710.4	811.8	909.6	1012.9	1090.4	1151.3	1180.9
55°	363.5	385.6	428.0	492.7	586.7	686.4	784.1	872.8	944.7	989.0	1016.7
57.5°	276.7	293.4	322.9	387.5	472.4	564.6	647.7	736.2	791.6	822.9	841.3
60°	210.4	223.3	254.6	304.5	381.9	461.3	531.4	597.8	642.1	667.9	686.4
62.5°	158.6	173.5	195.6	238.0	297.0	361.6	420.7	470.5	507.4	524.0	536.9
65°	108.8	119.9	136.5	169.7	219.6	265.7	311.8	348.7	372.7	391.2	398.6
67.5°	81.2	88.6	97.8	123.6	158.6	195.6	226.9	252.7	278.6	286.0	298.9
70°	60.9	66.5	75.6	94.1	114.4	140.2	166.1	180.8	199.3	212.2	215.9
72.5°	38.7	40.6	49.8	60.9	77.5	94.1	110.7	123.6	134.7	142.1	145.7
75°	22.2	33.2	33.2	44.3	55.4	62.7	73.8	83.0	88.6	94.1	94.1
77.5°	14.7	20.3	22.2	27.6	33.2	42.5	51.6	57.2	62.7	64.6	64.6
80°	12.9	14.7	14.7	20.3	24.0	31.4	36.9	38.7	42.5	44.3	48.0
82.5°	5.5	7.4	9.2	14.7	16.6	16.6	22.2	24.0	27.6	29.5	29.5
85°	1.8	3.7	3.7	5.5	9.2	11.1	12.9	14.7	16.6	16.6	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: P248714

CATALOG NUMBER: LD8B70D010 ER8B70935 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	3778.7	3778.7	3778.7	3778.7	3778.7	3778.7	3778.7
2.5°	3745.5	3747.3	3740.0	3738.1	3734.4	3736.2	3740.0
5°	3677.2	3679.1	3671.7	3664.3	3664.3	3662.4	3664.3
7.5°	3612.6	3614.5	3603.4	3599.7	3592.3	3594.2	3594.2
10°	3548.1	3548.1	3531.5	3529.6	3524.1	3522.2	3522.2
12.5°	3485.3	3479.8	3466.9	3459.5	3463.2	3452.1	3452.1
15°	3430.0	3420.8	3404.1	3398.6	3389.4	3385.7	3385.7
17.5°	3372.8	3365.4	3350.7	3339.6	3328.5	3326.7	3328.5
20°	3317.4	3310.0	3291.6	3284.2	3275.0	3275.0	3271.3
22.5°	3262.0	3254.7	3238.1	3232.6	3219.7	3219.7	3221.5
25°	3204.9	3199.3	3180.9	3177.2	3175.4	3168.0	3171.7
27.5°	3127.4	3123.7	3108.9	3103.4	3096.0	3094.2	3097.9
30°	2985.3	2979.8	2968.7	2963.2	2950.3	2952.1	2955.8
32.5°	2808.2	2800.8	2786.0	2780.5	2769.5	2765.8	2767.6
35°	2586.8	2581.3	2568.4	2568.4	2557.3	2553.6	2557.3
37.5°	2361.7	2367.2	2361.7	2367.2	2361.7	2359.8	2361.7
40°	2149.5	2169.8	2173.5	2193.8	2186.4	2197.5	2195.6
42.5°	1946.5	1979.7	1992.7	2009.3	2005.6	2013.0	2018.5
45°	1741.7	1769.4	1782.3	1793.4	1795.3	1799.0	1800.8
47.5°	1548.0	1570.2	1572.0	1584.9	1583.1	1583.1	1588.6
50°	1367.2	1382.0	1385.6	1394.9	1387.5	1383.8	1385.6
52.5°	1199.3	1214.1	1210.3	1214.1	1204.9	1201.1	1203.0
55°	1027.7	1035.0	1035.0	1035.0	1024.0	1024.0	1024.0
57.5°	852.4	854.3	850.6	852.4	850.6	839.5	837.7
60°	691.9	691.9	690.0	691.9	686.4	680.8	680.8
62.5°	540.6	544.3	551.7	544.3	540.6	544.3	538.8
65°	404.1	411.5	409.6	413.3	411.5	411.5	407.7
67.5°	304.5	306.3	308.1	310.0	310.0	310.0	310.0
70°	223.3	228.8	226.9	226.9	226.9	226.9	238.0
72.5°	149.5	156.8	155.0	158.6	158.6	162.4	158.6
75°	101.5	108.8	105.2	110.7	108.8	105.2	114.4
77.5°	68.3	72.0	73.8	75.6	73.8	72.0	73.8
80°	48.0	51.6	49.8	51.6	51.6	51.6	53.5
82.5°	29.5	35.1	33.2	35.1	33.2	35.1	35.1
85°	20.3	22.2	18.5	22.2	20.3	20.3	24.0
87.5°	12.9	11.1	11.1	12.9	11.1	12.9	11.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)