

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: P248732

Luminaire Tested: **LD8B70D010 ER8B70950 8LBSW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248732
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 ER8B70950 8LBSW0WMH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
90 CRI 5000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6882.0 lumens
Efficiency: N/A
Efficacy: 90.7 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

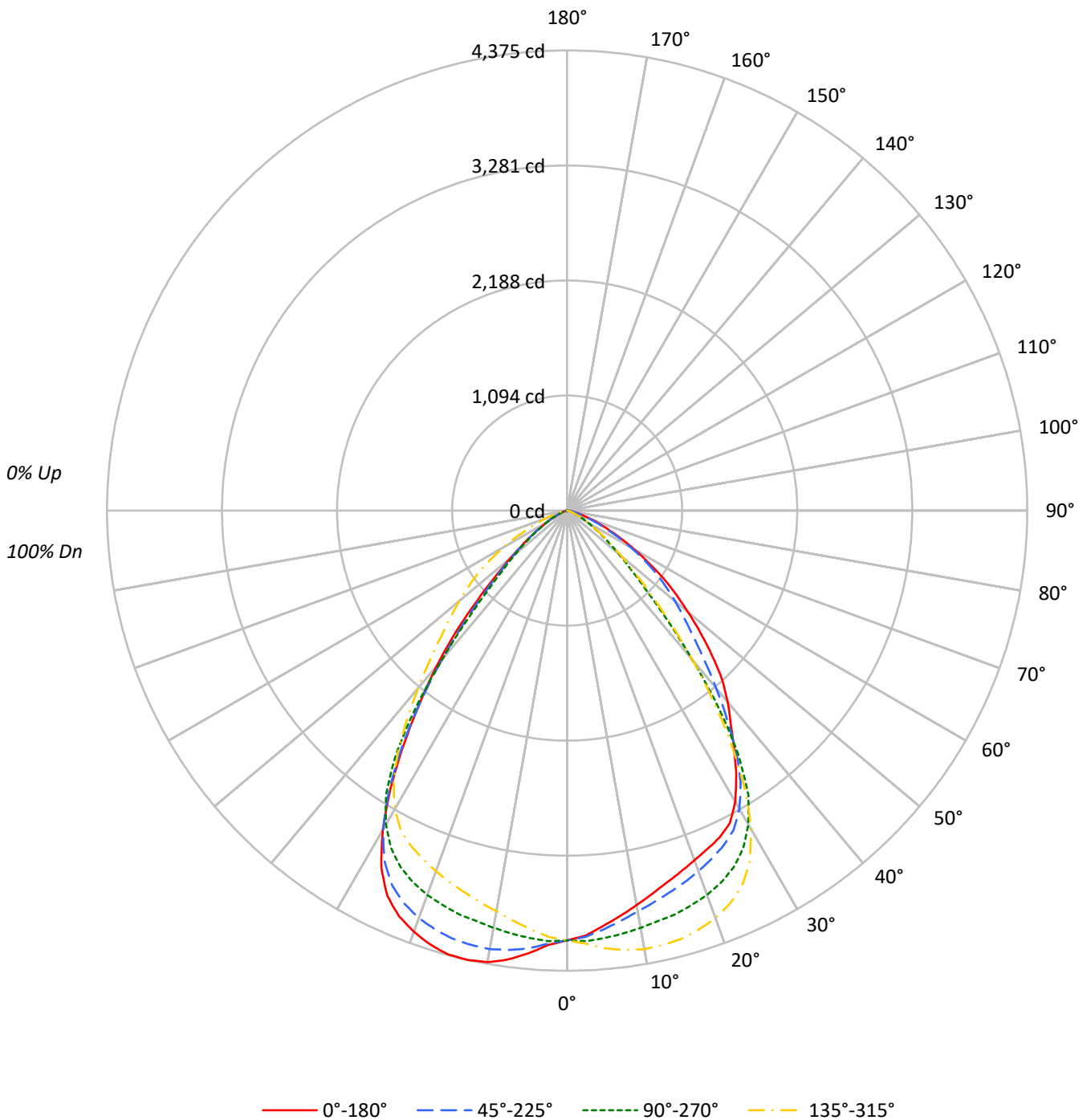
Input Watts (W): 75.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	125985	125985	125985	125985
5°	122640	126280	130790	126280
10°	119246	126115	136486	126115
15°	116865	126866	139473	126866
20°	116068	127589	139833	127589
25°	116679	127335	137583	127335
30°	113792	122672	124876	122672
35°	104086	107015	101534	107015
40°	95563	74442	77734	74442
45°	84911	45415	52545	45415
50°	71873	30338	33686	30338
55°	59525	20698	21881	20698
60°	45397	13778	13901	13778
65°	32170	8588	7858	8588
70°	23198	5752	5220	5752
75°	14738	2859	2383	2859
80°	10282	2131	1758	2131
85°	9164	0	708	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	388.9	5.7
10°-20°	1126.1	16.4
20°-30°	1705.2	24.8
30°-40°	1709.0	24.8
40°-50°	1073.2	15.6
50°-60°	571.9	8.3
60°-70°	235.2	3.4
70°-80°	62.1	0.9
80°-90°	10.5	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°	3220.1	46.8
0°-40°	4929.1	71.6
0°-60°	6574.2	95.5
0°-90°	6882.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6882.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4086	4086	4086	4086	4086	
5°	3962	4080	4225	4080	3962	374
15°	3661	3974	4369	3974	3661	1035
25°	3429	3742	4044	3742	3429	1573
35°	2765	2843	2697	2843	2765	1732
45°	1947	1041	1205	1041	1947	1497
55°	1107	385	407	385	1107	987
65°	441	118	108	118	441	457
75°	124	24	20	24	124	140
85°	26	0	2	0	26	28
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°	4085.6	4085.6	4085.6	4085.6	4085.6	4085.6	4085.6	4085.6	4085.6	4085.6	4085.6
2.5°	4043.7	4039.7	4037.8	4041.8	4043.7	4051.7	4049.7	4053.7	4053.7	4055.7	4059.7
5°	3962.0	3959.9	3962.0	3962.0	3969.9	3977.9	3975.9	3981.9	3985.9	3995.9	3999.8
7.5°	3886.2	3886.2	3884.1	3892.1	3896.1	3908.1	3906.0	3916.1	3922.1	3932.0	3946.0
10°	3808.3	3808.3	3810.3	3816.3	3818.3	3836.2	3836.2	3850.2	3858.2	3868.2	3886.2
12.5°	3732.5	3732.5	3744.5	3740.5	3748.5	3762.4	3768.4	3782.4	3794.4	3814.3	3832.3
15°	3660.7	3660.7	3664.7	3674.6	3680.6	3698.6	3708.6	3724.6	3738.5	3758.5	3784.4
17.5°	3598.9	3596.9	3598.9	3610.8	3622.8	3638.8	3646.7	3666.7	3680.6	3706.6	3730.6
20°	3537.0	3541.1	3541.1	3551.0	3559.0	3578.9	3586.9	3608.9	3624.8	3648.7	3676.7
22.5°	3483.2	3481.2	3481.2	3495.1	3501.1	3519.0	3527.0	3547.0	3564.9	3584.9	3610.8
25°	3429.3	3425.3	3433.3	3435.3	3439.2	3459.2	3465.2	3479.1	3497.1	3515.1	3541.1
27.5°	3349.5	3345.5	3347.5	3355.5	3361.5	3377.4	3381.4	3395.4	3409.3	3425.3	3447.3
30°	3195.8	3191.9	3189.9	3203.9	3209.9	3221.8	3227.8	3251.8	3255.7	3273.7	3289.6
32.5°	2992.4	2990.4	2994.4	3006.3	3012.3	3028.3	3036.3	3050.3	3060.2	3070.2	3086.1
35°	2765.0	2761.0	2765.0	2777.0	2777.0	2790.9	2796.9	2802.9	2800.9	2802.9	2798.9
37.5°	2553.6	2551.5	2553.6	2559.5	2553.6	2559.5	2553.6	2541.6	2519.6	2495.7	2471.7
40°	2374.0	2375.9	2364.0	2372.0	2350.0	2346.1	2324.1	2294.2	2250.3	2202.4	2134.6
42.5°	2182.5	2176.5	2168.5	2172.5	2154.6	2140.5	2104.6	2066.8	2010.9	1931.1	1849.3
45°	1947.1	1945.1	1941.1	1939.1	1927.1	1913.2	1883.2	1839.3	1777.5	1695.7	1597.9
47.5°	1717.6	1711.7	1711.7	1713.6	1699.7	1697.7	1673.7	1635.9	1582.0	1502.2	1400.4
50°	1498.2	1496.2	1500.2	1508.2	1498.2	1494.2	1478.3	1452.3	1404.5	1336.6	1240.8
52.5°	1300.7	1298.7	1302.7	1312.7	1308.6	1312.7	1296.7	1276.8	1244.8	1179.0	1095.2
55°	1107.2	1107.2	1107.2	1119.1	1119.1	1119.1	1111.2	1099.2	1069.3	1021.4	943.6
57.5°	905.7	907.7	919.7	921.6	919.7	923.7	921.6	909.7	889.8	855.9	796.0
60°	736.1	736.1	742.1	748.1	746.1	748.1	748.1	742.1	722.2	694.3	646.4
62.5°	582.5	588.5	584.5	588.5	596.5	588.5	584.5	580.5	566.6	548.6	508.7
65°	440.9	444.9	444.9	446.9	442.8	444.9	436.9	430.9	423.0	403.0	377.1
67.5°	335.2	335.2	335.2	335.2	333.1	331.2	329.2	323.2	309.2	301.3	273.3
70°	257.3	245.4	245.4	245.4	245.4	247.4	241.4	233.4	229.4	215.5	195.5
72.5°	171.5	175.6	171.5	171.5	167.6	169.6	161.6	157.6	153.6	145.7	133.7
75°	123.7	113.7	117.7	119.7	113.7	117.7	109.7	101.7	101.7	95.7	89.7
77.5°	79.8	77.8	79.8	81.8	79.8	77.8	73.8	69.8	69.8	67.8	61.8
80°	57.9	55.8	55.8	55.8	53.9	55.8	51.9	51.9	47.9	45.9	41.9
82.5°	37.9	37.9	35.9	37.9	35.9	37.9	31.9	31.9	31.9	29.9	25.9
85°	25.9	21.9	21.9	24.0	20.0	24.0	21.9	20.0	18.0	18.0	15.9
87.5°	12.0	14.0	12.0	14.0	12.0	12.0	14.0	12.0	12.0	8.0	8.0
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°	4085.6	4085.6	4085.6	4085.6	4085.6	4085.6	4085.6	4085.6	4085.6	4085.6	4085.6
2.5°	4065.7	4067.6	4067.6	4075.7	4079.6	4081.6	4081.6	4097.6	4091.6	4095.6	4099.6
5°	4007.9	4019.8	4023.8	4023.8	4045.7	4053.7	4061.6	4079.6	4081.6	4093.6	4107.5
7.5°	3951.9	3965.9	3974.0	3991.9	4005.8	4019.8	4043.7	4055.7	4067.6	4083.7	4101.6
10°	3898.1	3914.1	3930.0	3944.0	3965.9	3983.9	3999.8	4027.7	4041.8	4063.7	4087.6
12.5°	3846.3	3868.2	3882.1	3906.0	3930.0	3946.0	3969.9	3995.9	4017.8	4039.7	4067.6
15°	3800.4	3826.3	3842.2	3868.2	3894.1	3916.1	3942.0	3974.0	3989.9	4015.8	4041.8
17.5°	3750.4	3778.4	3798.4	3822.3	3854.2	3878.1	3900.1	3932.0	3951.9	3979.9	4009.8
20°	3698.6	3726.5	3750.4	3774.4	3806.4	3830.3	3856.2	3888.1	3910.1	3938.0	3962.0
22.5°	3636.8	3662.7	3688.6	3716.5	3748.5	3768.4	3798.4	3826.3	3850.2	3876.2	3900.1
25°	3557.0	3588.9	3608.9	3634.7	3660.7	3682.6	3714.6	3742.5	3762.4	3786.4	3808.3
27.5°	3463.2	3487.2	3503.1	3525.0	3551.0	3570.9	3594.8	3622.8	3642.8	3664.7	3680.6
30°	3303.6	3325.6	3339.5	3355.5	3381.4	3399.4	3419.4	3445.2	3459.2	3475.2	3489.2
32.5°	3094.1	3112.1	3120.1	3132.0	3150.0	3167.9	3183.9	3205.9	3211.9	3221.8	3221.8
35°	2790.9	2794.9	2792.9	2796.9	2804.9	2814.8	2828.8	2842.8	2850.7	2850.7	2844.8
37.5°	2435.8	2411.9	2386.0	2366.0	2360.0	2356.0	2364.0	2370.0	2378.0	2381.9	2372.0
40°	2066.8	2012.9	1955.0	1903.1	1867.3	1851.3	1845.3	1849.3	1849.3	1863.2	1863.2
42.5°	1749.6	1665.7	1580.0	1502.2	1450.3	1410.5	1392.5	1392.5	1394.4	1404.5	1410.5
45°	1486.2	1380.5	1280.7	1195.0	1123.1	1071.2	1047.4	1041.4	1039.4	1043.3	1057.3
47.5°	1284.7	1175.0	1071.2	965.6	889.8	837.9	816.0	807.9	799.9	807.9	810.0
50°	1127.2	1013.4	903.7	798.0	718.2	672.3	644.3	632.4	630.4	630.4	634.4
52.5°	983.5	877.8	768.1	660.4	576.5	532.7	506.7	500.7	492.8	500.7	500.7
55°	847.8	742.1	634.4	532.7	462.8	417.0	393.0	385.0	381.0	387.0	387.0
57.5°	700.3	610.4	510.7	418.9	349.1	317.2	299.2	289.3	287.2	291.3	287.2
60°	574.5	498.8	412.9	329.2	275.3	241.4	227.5	223.4	219.4	223.4	223.4
62.5°	454.8	391.0	321.1	257.3	211.4	187.5	171.5	171.5	169.6	169.6	171.5
65°	337.2	287.2	237.4	183.5	147.6	129.7	117.7	117.7	115.7	117.7	115.7
67.5°	245.4	211.4	171.5	133.7	105.8	95.7	87.8	81.8	85.8	81.8	79.8
70°	179.6	151.6	123.7	101.7	81.8	71.8	65.9	63.8	59.9	59.9	59.9
72.5°	119.7	101.7	83.8	65.9	53.9	43.8	41.9	37.9	33.9	35.9	39.9
75°	79.8	67.8	59.9	47.9	35.9	35.9	24.0	24.0	20.0	24.0	18.0
77.5°	55.8	45.9	35.9	29.9	24.0	21.9	15.9	15.9	14.0	14.0	14.0
80°	39.9	33.9	25.9	21.9	15.9	15.9	14.0	12.0	9.9	9.9	12.0
82.5°	24.0	18.0	18.0	15.9	9.9	8.0	6.0	8.0	4.0	4.0	4.0
85°	14.0	12.0	9.9	6.0	4.0	4.0	2.0	0.0	2.0	2.0	0.0
87.5°	8.0	4.0	4.0	2.0	0.0	2.0	2.0	0.0	0.0	0.0	4.0
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	4085.6	4085.6	4085.6	4085.6	4085.6	4085.6	4085.6	4085.6	4085.6	4085.6	4085.6
2.5°	4109.6	4107.5	4111.6	4111.6	4123.6	4121.5	4127.5	4127.5	4123.6	4125.5	4133.5
5°	4123.6	4129.6	4141.5	4151.5	4169.4	4177.4	4187.4	4197.4	4199.4	4205.3	4211.3
7.5°	4123.6	4143.5	4157.5	4175.4	4199.4	4213.3	4235.2	4253.2	4261.2	4271.1	4283.1
10°	4115.5	4135.5	4161.4	4181.4	4211.3	4233.3	4255.2	4283.1	4295.1	4311.0	4327.0
12.5°	4099.6	4121.5	4149.4	4175.4	4209.3	4229.2	4257.2	4283.1	4301.1	4323.0	4341.0
15°	4075.7	4101.6	4127.5	4153.5	4189.3	4213.3	4239.3	4269.1	4287.1	4311.0	4327.0
17.5°	4037.8	4065.7	4089.6	4113.5	4147.5	4175.4	4199.4	4227.3	4245.3	4265.2	4287.1
20°	3991.9	4017.8	4043.7	4063.7	4097.6	4121.5	4147.5	4173.4	4187.4	4191.4	4225.3
22.5°	3934.0	3951.9	3971.9	4003.8	4023.8	4045.7	4069.7	4093.6	4107.5	4129.6	4141.5
25°	3838.2	3856.2	3878.1	3892.1	3916.1	3934.0	3957.9	3983.9	3991.9	4007.9	4019.8
27.5°	3704.6	3714.6	3724.6	3736.5	3750.4	3760.5	3774.4	3786.4	3794.4	3802.3	3810.3
30°	3493.1	3493.1	3493.1	3485.1	3491.1	3497.1	3499.1	3497.1	3497.1	3495.1	3495.1
32.5°	3213.8	3197.9	3179.9	3164.0	3158.0	3150.0	3146.0	3140.0	3130.1	3124.1	3126.1
35°	2836.8	2800.9	2779.0	2759.0	2743.1	2731.1	2725.1	2719.1	2717.1	2709.2	2701.1
37.5°	2366.0	2340.1	2324.1	2312.1	2298.2	2286.2	2288.2	2290.2	2296.1	2292.2	2294.2
40°	1867.3	1861.3	1867.3	1853.3	1849.3	1853.3	1863.2	1877.3	1885.2	1893.2	1907.2
42.5°	1420.4	1430.3	1444.4	1444.4	1450.3	1458.3	1470.2	1492.2	1504.1	1518.1	1534.1
45°	1069.3	1081.3	1099.2	1105.2	1109.2	1119.1	1133.2	1151.1	1159.0	1171.0	1185.0
47.5°	823.9	831.9	841.8	851.8	861.8	865.8	879.8	879.8	889.8	897.7	901.7
50°	642.4	650.3	658.3	664.3	668.3	674.3	678.3	684.2	686.2	690.2	692.2
52.5°	502.7	512.7	512.7	516.7	522.7	528.6	526.7	528.6	530.6	530.6	536.6
55°	393.0	393.0	399.0	399.0	403.0	401.0	403.0	403.0	403.0	403.0	405.0
57.5°	293.2	295.3	301.3	297.2	295.3	299.2	295.3	299.2	297.2	301.3	295.3
60°	225.4	225.4	227.5	227.5	229.4	229.4	229.4	227.5	227.5	225.4	225.4
62.5°	169.6	171.5	173.6	171.5	171.5	171.5	169.6	169.6	167.6	165.5	165.5
65°	113.7	111.8	115.7	111.8	113.7	113.7	111.8	113.7	107.7	109.7	107.7
67.5°	81.8	79.8	77.8	79.8	77.8	75.8	75.8	77.8	79.8	73.8	73.8
70°	53.9	55.8	53.9	55.8	57.9	57.9	55.8	53.9	55.8	51.9	53.9
72.5°	33.9	33.9	33.9	33.9	33.9	35.9	35.9	35.9	31.9	31.9	29.9
75°	15.9	21.9	18.0	15.9	21.9	21.9	20.0	20.0	18.0	18.0	18.0
77.5°	15.9	12.0	12.0	12.0	12.0	12.0	12.0	12.0	9.9	12.0	9.9
80°	8.0	8.0	8.0	6.0	8.0	8.0	9.9	8.0	8.0	6.0	9.9
82.5°	4.0	4.0	4.0	0.0	2.0	4.0	4.0	2.0	4.0	4.0	2.0
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: P248732

CATALOG NUMBER: LD8B70D010 ER8B70950 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	4085.6	4085.6	4085.6	4085.6	4085.6	4085.6	4085.6	4085.6	4085.6	4085.6	4085.6
2.5°	4131.5	4129.6	4131.5	4133.5	4131.5	4129.6	4131.5	4133.5	4125.5	4123.6	4127.5
5°	4219.3	4219.3	4223.2	4225.3	4223.2	4219.3	4219.3	4211.3	4205.3	4199.4	4197.4
7.5°	4295.1	4299.1	4303.1	4305.0	4303.1	4299.1	4295.1	4283.1	4271.1	4261.2	4253.2
10°	4341.0	4347.0	4355.0	4358.9	4355.0	4347.0	4341.0	4327.0	4311.0	4295.1	4283.1
12.5°	4361.0	4366.9	4376.9	4374.9	4376.9	4366.9	4361.0	4341.0	4323.0	4301.1	4283.1
15°	4347.0	4355.0	4364.9	4368.9	4364.9	4355.0	4347.0	4327.0	4311.0	4287.1	4269.1
17.5°	4303.1	4315.0	4321.0	4327.0	4321.0	4315.0	4303.1	4287.1	4265.2	4245.3	4227.3
20°	4243.2	4251.2	4259.2	4261.2	4259.2	4251.2	4243.2	4225.3	4191.4	4187.4	4173.4
22.5°	4157.5	4163.5	4181.4	4175.4	4181.4	4163.5	4157.5	4141.5	4129.6	4107.5	4093.6
25°	4033.7	4039.7	4041.8	4043.7	4041.8	4039.7	4033.7	4019.8	4007.9	3991.9	3983.9
27.5°	3820.3	3820.3	3824.3	3826.3	3824.3	3820.3	3820.3	3810.3	3802.3	3794.4	3786.4
30°	3497.1	3497.1	3497.1	3507.1	3497.1	3497.1	3497.1	3495.1	3495.1	3497.1	3497.1
32.5°	3124.1	3120.1	3116.1	3120.1	3116.1	3120.1	3124.1	3126.1	3124.1	3130.1	3140.0
35°	2701.1	2699.1	2705.1	2697.2	2705.1	2699.1	2701.1	2701.1	2709.2	2717.1	2719.1
37.5°	2296.1	2292.2	2300.2	2292.2	2300.2	2292.2	2296.1	2294.2	2292.2	2296.1	2290.2
40°	1911.2	1915.1	1915.1	1931.1	1915.1	1915.1	1911.2	1907.2	1893.2	1885.2	1877.3
42.5°	1542.1	1554.1	1550.1	1562.0	1550.1	1554.1	1542.1	1534.1	1518.1	1504.1	1492.2
45°	1192.9	1201.0	1201.0	1204.9	1201.0	1201.0	1192.9	1185.0	1171.0	1159.0	1151.1
47.5°	915.6	915.6	915.6	917.7	915.6	915.6	915.6	901.7	897.7	889.8	879.8
50°	696.2	698.2	700.3	702.2	700.3	698.2	696.2	692.2	690.2	686.2	684.2
52.5°	534.6	536.6	532.7	536.6	532.7	536.6	534.6	536.6	530.6	530.6	528.6
55°	405.0	403.0	405.0	407.0	405.0	403.0	405.0	405.0	403.0	403.0	403.0
57.5°	297.2	293.2	293.2	293.2	293.2	293.2	297.2	295.3	301.3	297.2	299.2
60°	221.5	223.4	223.4	225.4	223.4	223.4	221.5	225.4	225.4	227.5	227.5
62.5°	163.6	169.6	165.5	169.6	165.5	169.6	163.6	165.5	165.5	167.6	169.6
65°	105.8	105.8	105.8	107.7	105.8	105.8	105.8	107.7	109.7	107.7	113.7
67.5°	71.8	73.8	77.8	75.8	77.8	73.8	71.8	73.8	73.8	79.8	77.8
70°	57.9	51.9	51.9	57.9	51.9	51.9	57.9	53.9	51.9	55.8	53.9
72.5°	33.9	29.9	33.9	33.9	33.9	29.9	33.9	29.9	31.9	31.9	35.9
75°	18.0	15.9	14.0	20.0	14.0	15.9	18.0	18.0	18.0	18.0	20.0
77.5°	12.0	9.9	14.0	14.0	14.0	9.9	12.0	9.9	12.0	9.9	12.0
80°	6.0	8.0	6.0	9.9	6.0	8.0	6.0	9.9	6.0	8.0	8.0
82.5°	2.0	4.0	4.0	4.0	4.0	4.0	2.0	2.0	4.0	4.0	2.0
85°	0.0	4.0	2.0	2.0	2.0	4.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.0	0.0	0.0	2.0	0.0	0.0	2.0	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: P248732

CATALOG NUMBER: LD8B70D010 ER8B70950 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	4085.6	4085.6	4085.6	4085.6	4085.6	4085.6	4085.6	4085.6	4085.6	4085.6	4085.6
2.5°	4127.5	4121.5	4123.6	4111.6	4111.6	4107.5	4109.6	4099.6	4095.6	4091.6	4097.6
5°	4187.4	4177.4	4169.4	4151.5	4141.5	4129.6	4123.6	4107.5	4093.6	4081.6	4079.6
7.5°	4235.2	4213.3	4199.4	4175.4	4157.5	4143.5	4123.6	4101.6	4083.7	4067.6	4055.7
10°	4255.2	4233.3	4211.3	4181.4	4161.4	4135.5	4115.5	4087.6	4063.7	4041.8	4027.7
12.5°	4257.2	4229.2	4209.3	4175.4	4149.4	4121.5	4099.6	4067.6	4039.7	4017.8	3995.9
15°	4239.3	4213.3	4189.3	4153.5	4127.5	4101.6	4075.7	4041.8	4015.8	3989.9	3974.0
17.5°	4199.4	4175.4	4147.5	4113.5	4089.6	4065.7	4037.8	4009.8	3979.9	3951.9	3932.0
20°	4147.5	4121.5	4097.6	4063.7	4043.7	4017.8	3991.9	3962.0	3938.0	3910.1	3888.1
22.5°	4069.7	4045.7	4023.8	4003.8	3971.9	3951.9	3934.0	3900.1	3876.2	3850.2	3826.3
25°	3957.9	3934.0	3916.1	3892.1	3878.1	3856.2	3838.2	3808.3	3786.4	3762.4	3742.5
27.5°	3774.4	3760.5	3750.4	3736.5	3724.6	3714.6	3704.6	3680.6	3664.7	3642.8	3622.8
30°	3499.1	3497.1	3491.1	3485.1	3493.1	3493.1	3493.1	3489.2	3475.2	3459.2	3445.2
32.5°	3146.0	3150.0	3158.0	3164.0	3179.9	3197.9	3213.8	3221.8	3221.8	3211.9	3205.9
35°	2725.1	2731.1	2743.1	2759.0	2779.0	2800.9	2836.8	2844.8	2850.7	2850.7	2842.8
37.5°	2288.2	2286.2	2298.2	2312.1	2324.1	2340.1	2366.0	2372.0	2381.9	2378.0	2370.0
40°	1863.2	1853.3	1849.3	1853.3	1867.3	1861.3	1867.3	1863.2	1863.2	1849.3	1849.3
42.5°	1470.2	1458.3	1450.3	1444.4	1444.4	1430.3	1420.4	1410.5	1404.5	1394.4	1392.5
45°	1133.2	1119.1	1109.2	1105.2	1099.2	1081.3	1069.3	1057.3	1043.3	1039.4	1041.4
47.5°	879.8	865.8	861.8	851.8	841.8	831.9	823.9	810.0	807.9	799.9	807.9
50°	678.3	674.3	668.3	664.3	658.3	650.3	642.4	634.4	630.4	630.4	632.4
52.5°	526.7	528.6	522.7	516.7	512.7	512.7	502.7	500.7	500.7	492.8	500.7
55°	403.0	401.0	403.0	399.0	399.0	393.0	393.0	387.0	387.0	381.0	385.0
57.5°	295.3	299.2	295.3	297.2	301.3	295.3	293.2	287.2	291.3	287.2	289.3
60°	229.4	229.4	229.4	227.5	227.5	225.4	225.4	223.4	223.4	219.4	223.4
62.5°	169.6	171.5	171.5	171.5	173.6	171.5	169.6	171.5	169.6	169.6	171.5
65°	111.8	113.7	113.7	111.8	115.7	111.8	113.7	115.7	117.7	115.7	117.7
67.5°	75.8	75.8	77.8	79.8	77.8	79.8	81.8	79.8	81.8	85.8	81.8
70°	55.8	57.9	57.9	55.8	53.9	55.8	53.9	59.9	59.9	59.9	63.8
72.5°	35.9	35.9	33.9	33.9	33.9	33.9	33.9	39.9	35.9	33.9	37.9
75°	20.0	21.9	21.9	15.9	18.0	21.9	15.9	18.0	24.0	20.0	24.0
77.5°	12.0	12.0	12.0	12.0	12.0	12.0	15.9	14.0	14.0	14.0	15.9
80°	9.9	8.0	8.0	6.0	8.0	8.0	8.0	12.0	9.9	9.9	12.0
82.5°	4.0	4.0	2.0	0.0	4.0	4.0	4.0	4.0	4.0	4.0	8.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	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: P248732

CATALOG NUMBER: LD8B70D010 ER8B70950 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	4085.6	4085.6	4085.6	4085.6	4085.6	4085.6	4085.6	4085.6	4085.6	4085.6	4085.6
2.5°	4081.6	4081.6	4079.6	4075.7	4067.6	4067.6	4065.7	4059.7	4055.7	4053.7	4053.7
5°	4061.6	4053.7	4045.7	4023.8	4023.8	4019.8	4007.9	3999.8	3995.9	3985.9	3981.9
7.5°	4043.7	4019.8	4005.8	3991.9	3974.0	3965.9	3951.9	3946.0	3932.0	3922.1	3916.1
10°	3999.8	3983.9	3965.9	3944.0	3930.0	3914.1	3898.1	3886.2	3868.2	3858.2	3850.2
12.5°	3969.9	3946.0	3930.0	3906.0	3882.1	3868.2	3846.3	3832.3	3814.3	3794.4	3782.4
15°	3942.0	3916.1	3894.1	3868.2	3842.2	3826.3	3800.4	3784.4	3758.5	3738.5	3724.6
17.5°	3900.1	3878.1	3854.2	3822.3	3798.4	3778.4	3750.4	3730.6	3706.6	3680.6	3666.7
20°	3856.2	3830.3	3806.4	3774.4	3750.4	3726.5	3698.6	3676.7	3648.7	3624.8	3608.9
22.5°	3798.4	3768.4	3748.5	3716.5	3688.6	3662.7	3636.8	3610.8	3584.9	3564.9	3547.0
25°	3714.6	3682.6	3660.7	3634.7	3608.9	3588.9	3557.0	3541.1	3515.1	3497.1	3479.1
27.5°	3594.8	3570.9	3551.0	3525.0	3503.1	3487.2	3463.2	3447.3	3425.3	3409.3	3395.4
30°	3419.4	3399.4	3381.4	3355.5	3339.5	3325.6	3303.6	3289.6	3273.7	3255.7	3251.8
32.5°	3183.9	3167.9	3150.0	3132.0	3120.1	3112.1	3094.1	3086.1	3070.2	3060.2	3050.3
35°	2828.8	2814.8	2804.9	2796.9	2792.9	2794.9	2790.9	2798.9	2802.9	2800.9	2802.9
37.5°	2364.0	2356.0	2360.0	2366.0	2386.0	2411.9	2435.8	2471.7	2495.7	2519.6	2541.6
40°	1845.3	1851.3	1867.3	1903.1	1955.0	2012.9	2066.8	2134.6	2202.4	2250.3	2294.2
42.5°	1392.5	1410.5	1450.3	1502.2	1580.0	1665.7	1749.6	1849.3	1931.1	2010.9	2066.8
45°	1047.4	1071.2	1123.1	1195.0	1280.7	1380.5	1486.2	1597.9	1695.7	1777.5	1839.3
47.5°	816.0	837.9	889.8	965.6	1071.2	1175.0	1284.7	1400.4	1502.2	1582.0	1635.9
50°	644.3	672.3	718.2	798.0	903.7	1013.4	1127.2	1240.8	1336.6	1404.5	1452.3
52.5°	506.7	532.7	576.5	660.4	768.1	877.8	983.5	1095.2	1179.0	1244.8	1276.8
55°	393.0	417.0	462.8	532.7	634.4	742.1	847.8	943.6	1021.4	1069.3	1099.2
57.5°	299.2	317.2	349.1	418.9	510.7	610.4	700.3	796.0	855.9	889.8	909.7
60°	227.5	241.4	275.3	329.2	412.9	498.8	574.5	646.4	694.3	722.2	742.1
62.5°	171.5	187.5	211.4	257.3	321.1	391.0	454.8	508.7	548.6	566.6	580.5
65°	117.7	129.7	147.6	183.5	237.4	287.2	337.2	377.1	403.0	423.0	430.9
67.5°	87.8	95.7	105.8	133.7	171.5	211.4	245.4	273.3	301.3	309.2	323.2
70°	65.9	71.8	81.8	101.7	123.7	151.6	179.6	195.5	215.5	229.4	233.4
72.5°	41.9	43.8	53.9	65.9	83.8	101.7	119.7	133.7	145.7	153.6	157.6
75°	24.0	35.9	35.9	47.9	59.9	67.8	79.8	89.7	95.7	101.7	101.7
77.5°	15.9	21.9	24.0	29.9	35.9	45.9	55.8	61.8	67.8	69.8	69.8
80°	14.0	15.9	15.9	21.9	25.9	33.9	39.9	41.9	45.9	47.9	51.9
82.5°	6.0	8.0	9.9	15.9	18.0	18.0	24.0	25.9	29.9	31.9	31.9
85°	2.0	4.0	4.0	6.0	9.9	12.0	14.0	15.9	18.0	18.0	20.0
87.5°	2.0	2.0	0.0	2.0	4.0	4.0	8.0	8.0	8.0	12.0	12.0
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: P248732

CATALOG NUMBER: LD8B70D010 ER8B70950 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	4085.6	4085.6	4085.6	4085.6	4085.6	4085.6	4085.6
2.5°	4049.7	4051.7	4043.7	4041.8	4037.8	4039.7	4043.7
5°	3975.9	3977.9	3969.9	3962.0	3962.0	3959.9	3962.0
7.5°	3906.0	3908.1	3896.1	3892.1	3884.1	3886.2	3886.2
10°	3836.2	3836.2	3818.3	3816.3	3810.3	3808.3	3808.3
12.5°	3768.4	3762.4	3748.5	3740.5	3744.5	3732.5	3732.5
15°	3708.6	3698.6	3680.6	3674.6	3664.7	3660.7	3660.7
17.5°	3646.7	3638.8	3622.8	3610.8	3598.9	3596.9	3598.9
20°	3586.9	3578.9	3559.0	3551.0	3541.1	3541.1	3537.0
22.5°	3527.0	3519.0	3501.1	3495.1	3481.2	3481.2	3483.2
25°	3465.2	3459.2	3439.2	3435.3	3433.3	3425.3	3429.3
27.5°	3381.4	3377.4	3361.5	3355.5	3347.5	3345.5	3349.5
30°	3227.8	3221.8	3209.9	3203.9	3189.9	3191.9	3195.8
32.5°	3036.3	3028.3	3012.3	3006.3	2994.4	2990.4	2992.4
35°	2796.9	2790.9	2777.0	2777.0	2765.0	2761.0	2765.0
37.5°	2553.6	2559.5	2553.6	2559.5	2553.6	2551.5	2553.6
40°	2324.1	2346.1	2350.0	2372.0	2364.0	2375.9	2374.0
42.5°	2104.6	2140.5	2154.6	2172.5	2168.5	2176.5	2182.5
45°	1883.2	1913.2	1927.1	1939.1	1941.1	1945.1	1947.1
47.5°	1673.7	1697.7	1699.7	1713.6	1711.7	1711.7	1717.6
50°	1478.3	1494.2	1498.2	1508.2	1500.2	1496.2	1498.2
52.5°	1296.7	1312.7	1308.6	1312.7	1302.7	1298.7	1300.7
55°	1111.2	1119.1	1119.1	1119.1	1107.2	1107.2	1107.2
57.5°	921.6	923.7	919.7	921.6	919.7	907.7	905.7
60°	748.1	748.1	746.1	748.1	742.1	736.1	736.1
62.5°	584.5	588.5	596.5	588.5	584.5	588.5	582.5
65°	436.9	444.9	442.8	446.9	444.9	444.9	440.9
67.5°	329.2	331.2	333.1	335.2	335.2	335.2	335.2
70°	241.4	247.4	245.4	245.4	245.4	245.4	257.3
72.5°	161.6	169.6	167.6	171.5	171.5	175.6	171.5
75°	109.7	117.7	113.7	119.7	117.7	113.7	123.7
77.5°	73.8	77.8	79.8	81.8	79.8	77.8	79.8
80°	51.9	55.8	53.9	55.8	55.8	55.8	57.9
82.5°	31.9	37.9	35.9	37.9	35.9	37.9	37.9
85°	21.9	24.0	20.0	24.0	21.9	21.9	25.9
87.5°	14.0	12.0	12.0	14.0	12.0	14.0	12.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)