

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: P248651

Luminaire Tested: **LD8B70D010 ER8B70827 8LBSW0WMH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P248651  
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 ER8B70827 8LBSW0WMH  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
80 CRI 2700 CCT WITH WARM HAZE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7002.0 lumens  
Efficiency: N/A  
Efficacy: 92.3 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

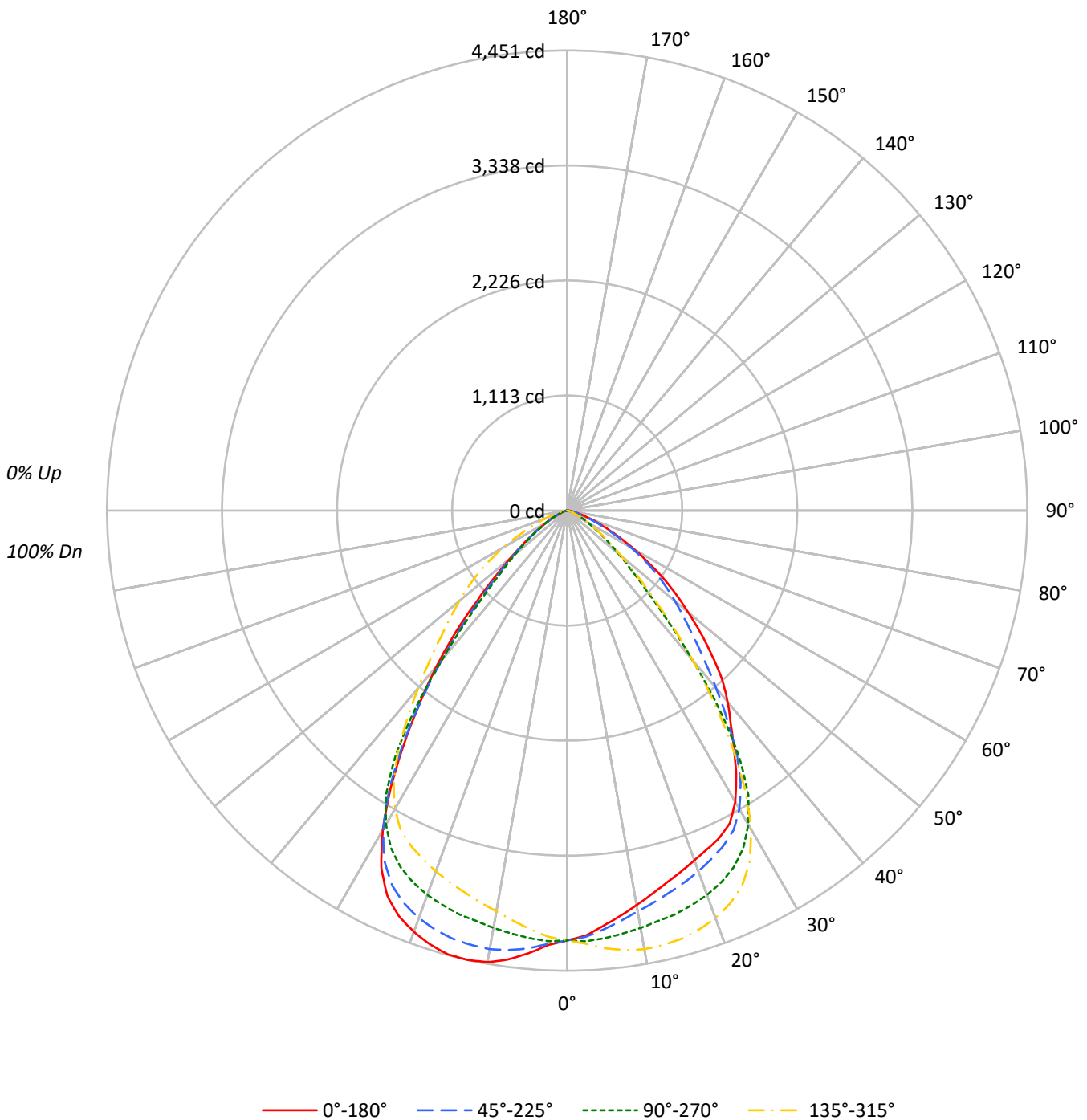
Input Watts (W): 75.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	128183	128183	128183	128183
5°	124776	128484	133072	128484
10°	121325	128317	138866	128317
15°	118901	129076	141906	129076
20°	118092	129814	142271	129814
25°	118714	129554	139985	129554
30°	115779	124812	127055	124812
35°	105901	108878	103303	108878
40°	97229	75738	79091	75738
45°	86390	46204	53460	46204
50°	73125	30866	34277	30866
55°	60562	21058	22257	21058
60°	46193	14018	14142	14018
65°	32732	8734	7997	8734
70°	23604	5851	5310	5851
75°	14988	2907	2419	2907
80°	10459	2166	1794	2166
85°	9341	0	708	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	395.7	5.7
10°-20°	1145.7	16.4
20°-30°	1734.9	24.8
30°-40°	1738.8	24.8
40°-50°	1091.9	15.6
50°-60°	581.9	8.3
60°-70°	239.3	3.4
70°-80°	63.2	0.9
80°-90°	10.7	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°	3276.3	46.8
0°-40°	5015.1	71.6
0°-60°	6688.8	95.5
0°-90°	7002.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7002.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	4157	4157	4157	4157	4157	
5°	4031	4151	4299	4151	4031	380
15°	3724	4043	4445	4043	3724	1053
25°	3489	3808	4114	3808	3489	1600
35°	2813	2892	2744	2892	2813	1762
45°	1981	1060	1226	1060	1981	1524
55°	1126	392	414	392	1126	1004
65°	449	120	110	120	449	465
75°	126	24	20	24	126	143
85°	26	0	2	0	26	29
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°	4156.9	4156.9	4156.9	4156.9	4156.9	4156.9	4156.9	4156.9	4156.9	4156.9	4156.9
2.5°	4114.3	4110.2	4108.2	4112.3	4114.3	4122.4	4120.4	4124.4	4124.4	4126.5	4130.5
5°	4031.0	4029.0	4031.0	4031.0	4039.2	4047.3	4045.2	4051.3	4055.4	4065.6	4069.6
7.5°	3953.9	3953.9	3951.8	3960.0	3964.0	3976.2	3974.2	3984.3	3990.4	4000.6	4014.8
10°	3874.7	3874.7	3876.7	3882.8	3884.9	3903.1	3903.1	3917.3	3925.4	3935.6	3953.9
12.5°	3797.6	3797.6	3809.8	3805.7	3813.8	3828.0	3834.1	3848.3	3860.5	3880.8	3899.1
15°	3724.5	3724.5	3728.6	3738.7	3744.8	3763.1	3773.2	3789.5	3803.7	3824.0	3850.4
17.5°	3661.6	3659.6	3661.6	3673.8	3686.0	3702.2	3710.3	3730.6	3744.8	3771.2	3795.6
20°	3598.7	3602.8	3602.8	3612.9	3621.0	3641.3	3649.4	3671.8	3688.0	3712.3	3740.8
22.5°	3543.9	3541.9	3541.9	3556.1	3562.2	3580.4	3588.5	3608.8	3627.1	3647.4	3673.8
25°	3489.1	3485.0	3493.2	3495.2	3499.2	3519.5	3525.6	3539.8	3558.1	3576.4	3602.8
27.5°	3407.9	3403.9	3405.9	3414.0	3420.1	3436.3	3440.4	3454.6	3468.8	3485.0	3507.4
30°	3251.6	3247.6	3245.6	3259.8	3265.9	3278.0	3284.1	3308.5	3312.5	3330.8	3347.0
32.5°	3044.5	3042.5	3046.6	3058.8	3064.8	3081.1	3089.2	3103.4	3113.6	3123.7	3140.0
35°	2813.2	2809.1	2813.2	2825.4	2825.4	2839.6	2845.7	2851.7	2849.7	2851.7	2847.7
37.5°	2598.1	2596.0	2598.1	2604.1	2598.1	2604.1	2598.1	2585.9	2563.6	2539.2	2514.8
40°	2415.4	2417.4	2405.3	2413.4	2391.0	2387.0	2364.7	2334.2	2289.6	2240.8	2171.8
42.5°	2220.5	2214.4	2206.3	2210.4	2192.1	2177.9	2141.3	2102.8	2045.9	1964.8	1881.5
45°	1981.0	1979.0	1974.9	1972.9	1960.7	1946.5	1916.0	1871.4	1808.5	1725.3	1625.8
47.5°	1747.6	1741.5	1741.5	1743.5	1729.3	1727.3	1702.9	1664.4	1609.6	1528.4	1424.9
50°	1524.3	1522.3	1526.4	1534.5	1524.3	1520.3	1504.1	1477.7	1429.0	1359.9	1262.4
52.5°	1323.4	1321.3	1325.4	1335.6	1331.5	1335.6	1319.3	1299.0	1266.5	1199.5	1114.3
55°	1126.5	1126.5	1126.5	1138.6	1138.6	1138.6	1130.5	1118.4	1087.9	1039.2	960.1
57.5°	921.5	923.5	935.7	937.7	935.7	939.8	937.7	925.5	905.3	870.8	809.9
60°	749.0	749.0	755.1	761.2	759.1	761.2	761.2	755.1	734.8	706.4	657.7
62.5°	592.7	598.8	594.7	598.8	606.9	598.8	594.7	590.7	576.5	558.2	517.6
65°	448.6	452.6	452.6	454.7	450.6	452.6	444.5	438.4	430.3	410.0	383.6
67.5°	341.0	341.0	341.0	341.0	338.9	336.9	334.9	328.8	314.6	306.5	278.0
70°	261.8	249.6	249.6	249.6	249.6	251.7	245.6	237.5	233.4	219.2	198.9
72.5°	174.5	178.6	174.5	174.5	170.5	172.5	164.4	160.3	156.3	148.2	136.0
75°	125.8	115.7	119.7	121.8	115.7	119.7	111.6	103.5	103.5	97.4	91.3
77.5°	81.2	79.2	81.2	83.2	81.2	79.2	75.1	71.0	71.0	69.0	62.9
80°	58.9	56.8	56.8	56.8	54.8	56.8	52.8	52.8	48.7	46.7	42.6
82.5°	38.6	38.6	36.5	38.6	36.5	38.6	32.5	32.5	32.5	30.4	26.4
85°	26.4	22.3	22.3	24.4	20.3	24.4	22.3	20.3	18.3	18.3	16.2
87.5°	12.2	14.2	12.2	14.2	12.2	12.2	14.2	12.2	12.2	8.1	8.1
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°	4156.9	4156.9	4156.9	4156.9	4156.9	4156.9	4156.9	4156.9	4156.9	4156.9	4156.9
2.5°	4136.6	4138.6	4138.6	4146.8	4150.8	4152.8	4152.8	4169.1	4163.0	4167.1	4171.1
5°	4077.7	4089.9	4094.0	4094.0	4116.3	4124.4	4132.5	4150.8	4152.8	4165.0	4179.2
7.5°	4020.9	4035.1	4043.2	4061.5	4075.7	4089.9	4114.3	4126.5	4138.6	4154.9	4173.1
10°	3966.0	3982.3	3998.5	4012.8	4035.1	4053.4	4069.6	4098.0	4112.3	4134.6	4158.9
12.5°	3913.3	3935.6	3949.8	3974.2	3998.5	4014.8	4039.2	4065.6	4087.9	4110.2	4138.6
15°	3866.6	3893.0	3909.2	3935.6	3962.0	3984.3	4010.7	4043.2	4059.5	4085.9	4112.3
17.5°	3815.8	3844.3	3864.6	3888.9	3921.4	3945.7	3968.1	4000.6	4020.9	4049.3	4079.8
20°	3763.1	3791.5	3815.8	3840.2	3872.7	3897.0	3923.4	3955.9	3978.2	4006.7	4031.0
22.5°	3700.2	3726.6	3752.9	3781.3	3813.8	3834.1	3864.6	3893.0	3917.3	3943.7	3968.1
25°	3619.0	3651.5	3671.8	3698.1	3724.5	3746.8	3779.3	3807.7	3828.0	3852.4	3874.7
27.5°	3523.6	3548.0	3564.2	3586.5	3612.9	3633.2	3657.5	3686.0	3706.3	3728.6	3744.8
30°	3361.2	3383.6	3397.8	3414.0	3440.4	3458.7	3479.0	3505.3	3519.5	3535.8	3550.0
32.5°	3148.1	3166.4	3174.5	3186.7	3205.0	3223.2	3239.5	3261.8	3267.9	3278.0	3278.0
35°	2839.6	2843.6	2841.6	2845.7	2853.8	2863.9	2878.1	2892.3	2900.4	2900.4	2894.4
37.5°	2478.3	2454.0	2427.6	2407.3	2401.2	2397.1	2405.3	2411.3	2419.5	2423.5	2413.4
40°	2102.8	2048.0	1989.1	1936.3	1899.8	1883.6	1877.5	1881.5	1881.5	1895.7	1895.7
42.5°	1780.1	1694.8	1607.6	1528.4	1475.6	1435.1	1416.8	1416.8	1418.8	1429.0	1435.1
45°	1512.2	1404.6	1303.1	1215.8	1142.7	1089.9	1065.6	1059.5	1057.5	1061.5	1075.7
47.5°	1307.1	1195.5	1089.9	982.4	905.3	852.5	830.2	822.0	813.9	822.0	824.1
50°	1146.8	1031.1	919.5	811.9	730.7	684.0	655.6	643.4	641.4	641.4	645.5
52.5°	1000.6	893.1	781.5	671.9	586.6	542.0	515.6	509.5	501.4	509.5	509.5
55°	862.6	755.1	645.5	542.0	470.9	424.2	399.8	391.7	387.6	393.7	393.7
57.5°	712.5	621.1	519.6	426.2	355.2	322.7	304.4	294.3	292.2	296.3	292.2
60°	584.6	507.5	420.1	334.9	280.1	245.6	231.4	227.3	223.2	227.3	227.3
62.5°	462.8	397.8	326.7	261.8	215.1	190.8	174.5	174.5	172.5	172.5	174.5
65°	343.0	292.2	241.5	186.7	150.2	131.9	119.7	119.7	117.7	119.7	117.7
67.5°	249.6	215.1	174.5	136.0	107.6	97.4	89.3	83.2	87.3	83.2	81.2
70°	182.7	154.2	125.8	103.5	83.2	73.1	67.0	64.9	60.9	60.9	60.9
72.5°	121.8	103.5	85.2	67.0	54.8	44.6	42.6	38.6	34.5	36.5	40.6
75°	81.2	69.0	60.9	48.7	36.5	36.5	24.4	24.4	20.3	24.4	18.3
77.5°	56.8	46.7	36.5	30.4	24.4	22.3	16.2	16.2	14.2	14.2	14.2
80°	40.6	34.5	26.4	22.3	16.2	16.2	14.2	12.2	10.1	10.1	12.2
82.5°	24.4	18.3	18.3	16.2	10.1	8.1	6.1	8.1	4.1	4.1	4.1
85°	14.2	12.2	10.1	6.1	4.1	4.1	2.0	0.0	2.0	2.0	0.0
87.5°	8.1	4.1	4.1	2.0	0.0	2.0	2.0	0.0	0.0	0.0	4.1
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):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	4156.9	4156.9	4156.9	4156.9	4156.9	4156.9	4156.9	4156.9	4156.9	4156.9	4156.9
2.5°	4181.3	4179.2	4183.3	4183.3	4195.5	4193.4	4199.5	4199.5	4195.5	4197.5	4205.6
5°	4195.5	4201.6	4213.7	4223.9	4242.1	4250.3	4260.4	4270.6	4272.6	4278.7	4284.8
7.5°	4195.5	4215.8	4230.0	4248.2	4272.6	4286.8	4309.1	4327.4	4335.5	4345.6	4357.8
10°	4187.3	4207.6	4234.0	4254.3	4284.8	4307.1	4329.4	4357.8	4370.0	4386.2	4402.5
12.5°	4171.1	4193.4	4221.8	4248.2	4282.7	4303.0	4331.4	4357.8	4376.1	4398.4	4416.7
15°	4146.8	4173.1	4199.5	4225.9	4262.4	4286.8	4313.2	4343.6	4361.9	4386.2	4402.5
17.5°	4108.2	4136.6	4161.0	4185.3	4219.8	4248.2	4272.6	4301.0	4319.3	4339.6	4361.9
20°	4061.5	4087.9	4114.3	4134.6	4169.1	4193.4	4219.8	4246.2	4260.4	4264.5	4299.0
22.5°	4002.6	4020.9	4041.2	4073.7	4094.0	4116.3	4140.7	4165.0	4179.2	4201.6	4213.7
25°	3905.1	3923.4	3945.7	3960.0	3984.3	4002.6	4027.0	4053.4	4061.5	4077.7	4089.9
27.5°	3769.2	3779.3	3789.5	3801.6	3815.8	3826.0	3840.2	3852.4	3860.5	3868.6	3876.7
30°	3554.0	3554.0	3554.0	3545.9	3552.0	3558.1	3560.1	3558.1	3558.1	3556.1	3556.1
32.5°	3269.9	3253.7	3235.4	3219.2	3213.1	3205.0	3200.9	3194.8	3184.7	3178.6	3180.6
35°	2886.2	2849.7	2827.4	2807.1	2790.9	2778.7	2772.6	2766.5	2764.5	2756.4	2748.2
37.5°	2407.3	2380.9	2364.7	2352.5	2338.3	2326.1	2328.1	2330.2	2336.2	2332.2	2334.2
40°	1899.8	1893.7	1899.8	1885.6	1881.5	1885.6	1895.7	1910.0	1918.1	1926.2	1940.4
42.5°	1445.2	1455.3	1469.6	1469.6	1475.6	1483.8	1495.9	1518.3	1530.4	1544.6	1560.9
45°	1087.9	1100.1	1118.4	1124.4	1128.5	1138.6	1152.9	1171.1	1179.2	1191.4	1205.6
47.5°	838.3	846.4	856.5	866.7	876.8	880.9	895.1	895.1	905.3	913.4	917.4
50°	653.6	661.7	669.8	675.9	680.0	686.1	690.1	696.2	698.2	702.3	704.3
52.5°	511.5	521.7	521.7	525.7	531.8	537.9	535.9	537.9	539.9	539.9	546.0
55°	399.8	399.8	405.9	405.9	410.0	408.0	410.0	410.0	410.0	410.0	412.0
57.5°	298.3	300.4	306.5	302.4	300.4	304.4	300.4	304.4	302.4	306.5	300.4
60°	229.3	229.3	231.4	231.4	233.4	233.4	233.4	231.4	231.4	229.3	229.3
62.5°	172.5	174.5	176.6	174.5	174.5	174.5	172.5	172.5	170.5	168.4	168.4
65°	115.7	113.7	117.7	113.7	115.7	115.7	113.7	115.7	109.6	111.6	109.6
67.5°	83.2	81.2	79.2	81.2	79.2	77.1	77.1	79.2	81.2	75.1	75.1
70°	54.8	56.8	54.8	56.8	58.9	58.9	56.8	54.8	56.8	52.8	54.8
72.5°	34.5	34.5	34.5	34.5	34.5	36.5	36.5	36.5	32.5	32.5	30.4
75°	16.2	22.3	18.3	16.2	22.3	22.3	20.3	20.3	18.3	18.3	18.3
77.5°	16.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	10.1	12.2	10.1
80°	8.1	8.1	8.1	6.1	8.1	8.1	10.1	8.1	8.1	6.1	10.1
82.5°	4.1	4.1	4.1	0.0	2.0	4.1	4.1	2.0	4.1	4.1	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: P248651

CATALOG NUMBER: LD8B70D010 ER8B70827 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	4156.9	4156.9	4156.9	4156.9	4156.9	4156.9	4156.9	4156.9	4156.9	4156.9	4156.9
2.5°	4203.6	4201.6	4203.6	4205.6	4203.6	4201.6	4203.6	4205.6	4197.5	4195.5	4199.5
5°	4292.9	4292.9	4296.9	4299.0	4296.9	4292.9	4292.9	4284.8	4278.7	4272.6	4270.6
7.5°	4370.0	4374.1	4378.1	4380.1	4378.1	4374.1	4370.0	4357.8	4345.6	4335.5	4327.4
10°	4416.7	4422.8	4430.9	4434.9	4430.9	4422.8	4416.7	4402.5	4386.2	4370.0	4357.8
12.5°	4437.0	4443.1	4453.2	4451.2	4453.2	4443.1	4437.0	4416.7	4398.4	4376.1	4357.8
15°	4422.8	4430.9	4441.0	4445.1	4441.0	4430.9	4422.8	4402.5	4386.2	4361.9	4343.6
17.5°	4378.1	4390.3	4396.4	4402.5	4396.4	4390.3	4378.1	4361.9	4339.6	4319.3	4301.0
20°	4317.2	4325.4	4333.5	4335.5	4333.5	4325.4	4317.2	4299.0	4264.5	4260.4	4246.2
22.5°	4230.0	4236.1	4254.3	4248.2	4254.3	4236.1	4230.0	4213.7	4201.6	4179.2	4165.0
25°	4104.1	4110.2	4112.3	4114.3	4112.3	4110.2	4104.1	4089.9	4077.7	4061.5	4053.4
27.5°	3886.9	3886.9	3890.9	3893.0	3890.9	3886.9	3886.9	3876.7	3868.6	3860.5	3852.4
30°	3558.1	3558.1	3558.1	3568.3	3558.1	3558.1	3558.1	3556.1	3556.1	3558.1	3558.1
32.5°	3178.6	3174.5	3170.4	3174.5	3170.4	3174.5	3178.6	3180.6	3178.6	3184.7	3194.8
35°	2748.2	2746.2	2752.3	2744.2	2752.3	2746.2	2748.2	2748.2	2756.4	2764.5	2766.5
37.5°	2336.2	2332.2	2340.3	2332.2	2340.3	2332.2	2336.2	2334.2	2332.2	2336.2	2330.2
40°	1944.5	1948.5	1948.5	1964.8	1948.5	1948.5	1944.5	1940.4	1926.2	1918.1	1910.0
42.5°	1569.0	1581.2	1577.1	1589.3	1577.1	1581.2	1569.0	1560.9	1544.6	1530.4	1518.3
45°	1213.7	1221.9	1221.9	1225.9	1221.9	1221.9	1213.7	1205.6	1191.4	1179.2	1171.1
47.5°	931.6	931.6	931.6	933.7	931.6	931.6	931.6	917.4	913.4	905.3	895.1
50°	708.4	710.4	712.5	714.5	712.5	710.4	708.4	704.3	702.3	698.2	696.2
52.5°	544.0	546.0	542.0	546.0	542.0	546.0	544.0	546.0	539.9	539.9	537.9
55°	412.0	410.0	412.0	414.0	412.0	410.0	412.0	412.0	410.0	410.0	410.0
57.5°	302.4	298.3	298.3	298.3	298.3	298.3	302.4	300.4	306.5	302.4	304.4
60°	225.3	227.3	227.3	229.3	227.3	227.3	225.3	229.3	229.3	231.4	231.4
62.5°	166.4	172.5	168.4	172.5	168.4	172.5	166.4	168.4	168.4	170.5	172.5
65°	107.6	107.6	107.6	109.6	107.6	107.6	107.6	109.6	111.6	109.6	115.7
67.5°	73.1	75.1	79.2	77.1	79.2	75.1	73.1	75.1	75.1	81.2	79.2
70°	58.9	52.8	52.8	58.9	52.8	52.8	58.9	54.8	52.8	56.8	54.8
72.5°	34.5	30.4	34.5	34.5	34.5	30.4	34.5	30.4	32.5	32.5	36.5
75°	18.3	16.2	14.2	20.3	14.2	16.2	18.3	18.3	18.3	18.3	20.3
77.5°	12.2	10.1	14.2	14.2	14.2	10.1	12.2	10.1	12.2	10.1	12.2
80°	6.1	8.1	6.1	10.1	6.1	8.1	6.1	10.1	6.1	8.1	8.1
82.5°	2.0	4.1	4.1	4.1	4.1	4.1	2.0	2.0	4.1	4.1	2.0
85°	0.0	4.1	2.0	2.0	2.0	4.1	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: P248651

CATALOG NUMBER: LD8B70D010 ER8B70827 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	4156.9	4156.9	4156.9	4156.9	4156.9	4156.9	4156.9	4156.9	4156.9	4156.9	4156.9
2.5°	4199.5	4193.4	4195.5	4183.3	4183.3	4179.2	4181.3	4171.1	4167.1	4163.0	4169.1
5°	4260.4	4250.3	4242.1	4223.9	4213.7	4201.6	4195.5	4179.2	4165.0	4152.8	4150.8
7.5°	4309.1	4286.8	4272.6	4248.2	4230.0	4215.8	4195.5	4173.1	4154.9	4138.6	4126.5
10°	4329.4	4307.1	4284.8	4254.3	4234.0	4207.6	4187.3	4158.9	4134.6	4112.3	4098.0
12.5°	4331.4	4303.0	4282.7	4248.2	4221.8	4193.4	4171.1	4138.6	4110.2	4087.9	4065.6
15°	4313.2	4286.8	4262.4	4225.9	4199.5	4173.1	4146.8	4112.3	4085.9	4059.5	4043.2
17.5°	4272.6	4248.2	4219.8	4185.3	4161.0	4136.6	4108.2	4079.8	4049.3	4020.9	4000.6
20°	4219.8	4193.4	4169.1	4134.6	4114.3	4087.9	4061.5	4031.0	4006.7	3978.2	3955.9
22.5°	4140.7	4116.3	4094.0	4073.7	4041.2	4020.9	4002.6	3968.1	3943.7	3917.3	3893.0
25°	4027.0	4002.6	3984.3	3960.0	3945.7	3923.4	3905.1	3874.7	3852.4	3828.0	3807.7
27.5°	3840.2	3826.0	3815.8	3801.6	3789.5	3779.3	3769.2	3744.8	3728.6	3706.3	3686.0
30°	3560.1	3558.1	3552.0	3545.9	3554.0	3554.0	3554.0	3550.0	3535.8	3519.5	3505.3
32.5°	3200.9	3205.0	3213.1	3219.2	3235.4	3253.7	3269.9	3278.0	3278.0	3267.9	3261.8
35°	2772.6	2778.7	2790.9	2807.1	2827.4	2849.7	2886.2	2894.4	2900.4	2900.4	2892.3
37.5°	2328.1	2326.1	2338.3	2352.5	2364.7	2380.9	2407.3	2413.4	2423.5	2419.5	2411.3
40°	1895.7	1885.6	1881.5	1885.6	1899.8	1893.7	1899.8	1895.7	1895.7	1881.5	1881.5
42.5°	1495.9	1483.8	1475.6	1469.6	1469.6	1455.3	1445.2	1435.1	1429.0	1418.8	1416.8
45°	1152.9	1138.6	1128.5	1124.4	1118.4	1100.1	1087.9	1075.7	1061.5	1057.5	1059.5
47.5°	895.1	880.9	876.8	866.7	856.5	846.4	838.3	824.1	822.0	813.9	822.0
50°	690.1	686.1	680.0	675.9	669.8	661.7	653.6	645.5	641.4	641.4	643.4
52.5°	535.9	537.9	531.8	525.7	521.7	521.7	511.5	509.5	509.5	501.4	509.5
55°	410.0	408.0	410.0	405.9	405.9	399.8	399.8	393.7	393.7	387.6	391.7
57.5°	300.4	304.4	300.4	302.4	306.5	300.4	298.3	292.2	296.3	292.2	294.3
60°	233.4	233.4	233.4	231.4	231.4	229.3	229.3	227.3	227.3	223.2	227.3
62.5°	172.5	174.5	174.5	174.5	176.6	174.5	172.5	174.5	172.5	172.5	174.5
65°	113.7	115.7	115.7	113.7	117.7	113.7	115.7	117.7	119.7	117.7	119.7
67.5°	77.1	77.1	79.2	81.2	79.2	81.2	83.2	81.2	83.2	87.3	83.2
70°	56.8	58.9	58.9	56.8	54.8	56.8	54.8	60.9	60.9	60.9	64.9
72.5°	36.5	36.5	34.5	34.5	34.5	34.5	34.5	40.6	36.5	34.5	38.6
75°	20.3	22.3	22.3	16.2	18.3	22.3	16.2	18.3	24.4	20.3	24.4
77.5°	12.2	12.2	12.2	12.2	12.2	12.2	16.2	14.2	14.2	14.2	16.2
80°	10.1	8.1	8.1	6.1	8.1	8.1	8.1	12.2	10.1	10.1	12.2
82.5°	4.1	4.1	2.0	0.0	4.1	4.1	4.1	4.1	4.1	4.1	8.1
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	4.1	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: P248651

CATALOG NUMBER: LD8B70D010 ER8B70827 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	4156.9	4156.9	4156.9	4156.9	4156.9	4156.9	4156.9	4156.9	4156.9	4156.9	4156.9
2.5°	4152.8	4152.8	4150.8	4146.8	4138.6	4138.6	4136.6	4130.5	4126.5	4124.4	4124.4
5°	4132.5	4124.4	4116.3	4094.0	4094.0	4089.9	4077.7	4069.6	4065.6	4055.4	4051.3
7.5°	4114.3	4089.9	4075.7	4061.5	4043.2	4035.1	4020.9	4014.8	4000.6	3990.4	3984.3
10°	4069.6	4053.4	4035.1	4012.8	3998.5	3982.3	3966.0	3953.9	3935.6	3925.4	3917.3
12.5°	4039.2	4014.8	3998.5	3974.2	3949.8	3935.6	3913.3	3899.1	3880.8	3860.5	3848.3
15°	4010.7	3984.3	3962.0	3935.6	3909.2	3893.0	3866.6	3850.4	3824.0	3803.7	3789.5
17.5°	3968.1	3945.7	3921.4	3888.9	3864.6	3844.3	3815.8	3795.6	3771.2	3744.8	3730.6
20°	3923.4	3897.0	3872.7	3840.2	3815.8	3791.5	3763.1	3740.8	3712.3	3688.0	3671.8
22.5°	3864.6	3834.1	3813.8	3781.3	3752.9	3726.6	3700.2	3673.8	3647.4	3627.1	3608.8
25°	3779.3	3746.8	3724.5	3698.1	3671.8	3651.5	3619.0	3602.8	3576.4	3558.1	3539.8
27.5°	3657.5	3633.2	3612.9	3586.5	3564.2	3548.0	3523.6	3507.4	3485.0	3468.8	3454.6
30°	3479.0	3458.7	3440.4	3414.0	3397.8	3383.6	3361.2	3347.0	3330.8	3312.5	3308.5
32.5°	3239.5	3223.2	3205.0	3186.7	3174.5	3166.4	3148.1	3140.0	3123.7	3113.6	3103.4
35°	2878.1	2863.9	2853.8	2845.7	2841.6	2843.6	2839.6	2847.7	2851.7	2849.7	2851.7
37.5°	2405.3	2397.1	2401.2	2407.3	2427.6	2454.0	2478.3	2514.8	2539.2	2563.6	2585.9
40°	1877.5	1883.6	1899.8	1936.3	1989.1	2048.0	2102.8	2171.8	2240.8	2289.6	2334.2
42.5°	1416.8	1435.1	1475.6	1528.4	1607.6	1694.8	1780.1	1881.5	1964.8	2045.9	2102.8
45°	1065.6	1089.9	1142.7	1215.8	1303.1	1404.6	1512.2	1625.8	1725.3	1808.5	1871.4
47.5°	830.2	852.5	905.3	982.4	1089.9	1195.5	1307.1	1424.9	1528.4	1609.6	1664.4
50°	655.6	684.0	730.7	811.9	919.5	1031.1	1146.8	1262.4	1359.9	1429.0	1477.7
52.5°	515.6	542.0	586.6	671.9	781.5	893.1	1000.6	1114.3	1199.5	1266.5	1299.0
55°	399.8	424.2	470.9	542.0	645.5	755.1	862.6	960.1	1039.2	1087.9	1118.4
57.5°	304.4	322.7	355.2	426.2	519.6	621.1	712.5	809.9	870.8	905.3	925.5
60°	231.4	245.6	280.1	334.9	420.1	507.5	584.6	657.7	706.4	734.8	755.1
62.5°	174.5	190.8	215.1	261.8	326.7	397.8	462.8	517.6	558.2	576.5	590.7
65°	119.7	131.9	150.2	186.7	241.5	292.2	343.0	383.6	410.0	430.3	438.4
67.5°	89.3	97.4	107.6	136.0	174.5	215.1	249.6	278.0	306.5	314.6	328.8
70°	67.0	73.1	83.2	103.5	125.8	154.2	182.7	198.9	219.2	233.4	237.5
72.5°	42.6	44.6	54.8	67.0	85.2	103.5	121.8	136.0	148.2	156.3	160.3
75°	24.4	36.5	36.5	48.7	60.9	69.0	81.2	91.3	97.4	103.5	103.5
77.5°	16.2	22.3	24.4	30.4	36.5	46.7	56.8	62.9	69.0	71.0	71.0
80°	14.2	16.2	16.2	22.3	26.4	34.5	40.6	42.6	46.7	48.7	52.8
82.5°	6.1	8.1	10.1	16.2	18.3	18.3	24.4	26.4	30.4	32.5	32.5
85°	2.0	4.1	4.1	6.1	10.1	12.2	14.2	16.2	18.3	18.3	20.3
87.5°	2.0	2.0	0.0	2.0	4.1	4.1	8.1	8.1	8.1	12.2	12.2
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: P248651

CATALOG NUMBER: LD8B70D010 ER8B70827 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	4156.9	4156.9	4156.9	4156.9	4156.9	4156.9	4156.9
2.5°	4120.4	4122.4	4114.3	4112.3	4108.2	4110.2	4114.3
5°	4045.2	4047.3	4039.2	4031.0	4031.0	4029.0	4031.0
7.5°	3974.2	3976.2	3964.0	3960.0	3951.8	3953.9	3953.9
10°	3903.1	3903.1	3884.9	3882.8	3876.7	3874.7	3874.7
12.5°	3834.1	3828.0	3813.8	3805.7	3809.8	3797.6	3797.6
15°	3773.2	3763.1	3744.8	3738.7	3728.6	3724.5	3724.5
17.5°	3710.3	3702.2	3686.0	3673.8	3661.6	3659.6	3661.6
20°	3649.4	3641.3	3621.0	3612.9	3602.8	3602.8	3598.7
22.5°	3588.5	3580.4	3562.2	3556.1	3541.9	3541.9	3543.9
25°	3525.6	3519.5	3499.2	3495.2	3493.2	3485.0	3489.1
27.5°	3440.4	3436.3	3420.1	3414.0	3405.9	3403.9	3407.9
30°	3284.1	3278.0	3265.9	3259.8	3245.6	3247.6	3251.6
32.5°	3089.2	3081.1	3064.8	3058.8	3046.6	3042.5	3044.5
35°	2845.7	2839.6	2825.4	2825.4	2813.2	2809.1	2813.2
37.5°	2598.1	2604.1	2598.1	2604.1	2598.1	2596.0	2598.1
40°	2364.7	2387.0	2391.0	2413.4	2405.3	2417.4	2415.4
42.5°	2141.3	2177.9	2192.1	2210.4	2206.3	2214.4	2220.5
45°	1916.0	1946.5	1960.7	1972.9	1974.9	1979.0	1981.0
47.5°	1702.9	1727.3	1729.3	1743.5	1741.5	1741.5	1747.6
50°	1504.1	1520.3	1524.3	1534.5	1526.4	1522.3	1524.3
52.5°	1319.3	1335.6	1331.5	1335.6	1325.4	1321.3	1323.4
55°	1130.5	1138.6	1138.6	1138.6	1126.5	1126.5	1126.5
57.5°	937.7	939.8	935.7	937.7	935.7	923.5	921.5
60°	761.2	761.2	759.1	761.2	755.1	749.0	749.0
62.5°	594.7	598.8	606.9	598.8	594.7	598.8	592.7
65°	444.5	452.6	450.6	454.7	452.6	452.6	448.6
67.5°	334.9	336.9	338.9	341.0	341.0	341.0	341.0
70°	245.6	251.7	249.6	249.6	249.6	249.6	261.8
72.5°	164.4	172.5	170.5	174.5	174.5	178.6	174.5
75°	111.6	119.7	115.7	121.8	119.7	115.7	125.8
77.5°	75.1	79.2	81.2	83.2	81.2	79.2	81.2
80°	52.8	56.8	54.8	56.8	56.8	56.8	58.9
82.5°	32.5	38.6	36.5	38.6	36.5	38.6	38.6
85°	22.3	24.4	20.3	24.4	22.3	22.3	26.4
87.5°	14.2	12.2	12.2	14.2	12.2	14.2	12.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)