

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: P248742

Luminaire Tested: **LD8B80D010 ER8B80927 8LBSW0WMH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P248742  
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: LD8B80D010 ER8B80927 8LBSW0WMH  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
97 CRI 2700 CCT WITH WARM HAZE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6499.1 lumens  
Efficiency: N/A  
Efficacy: 87.4 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

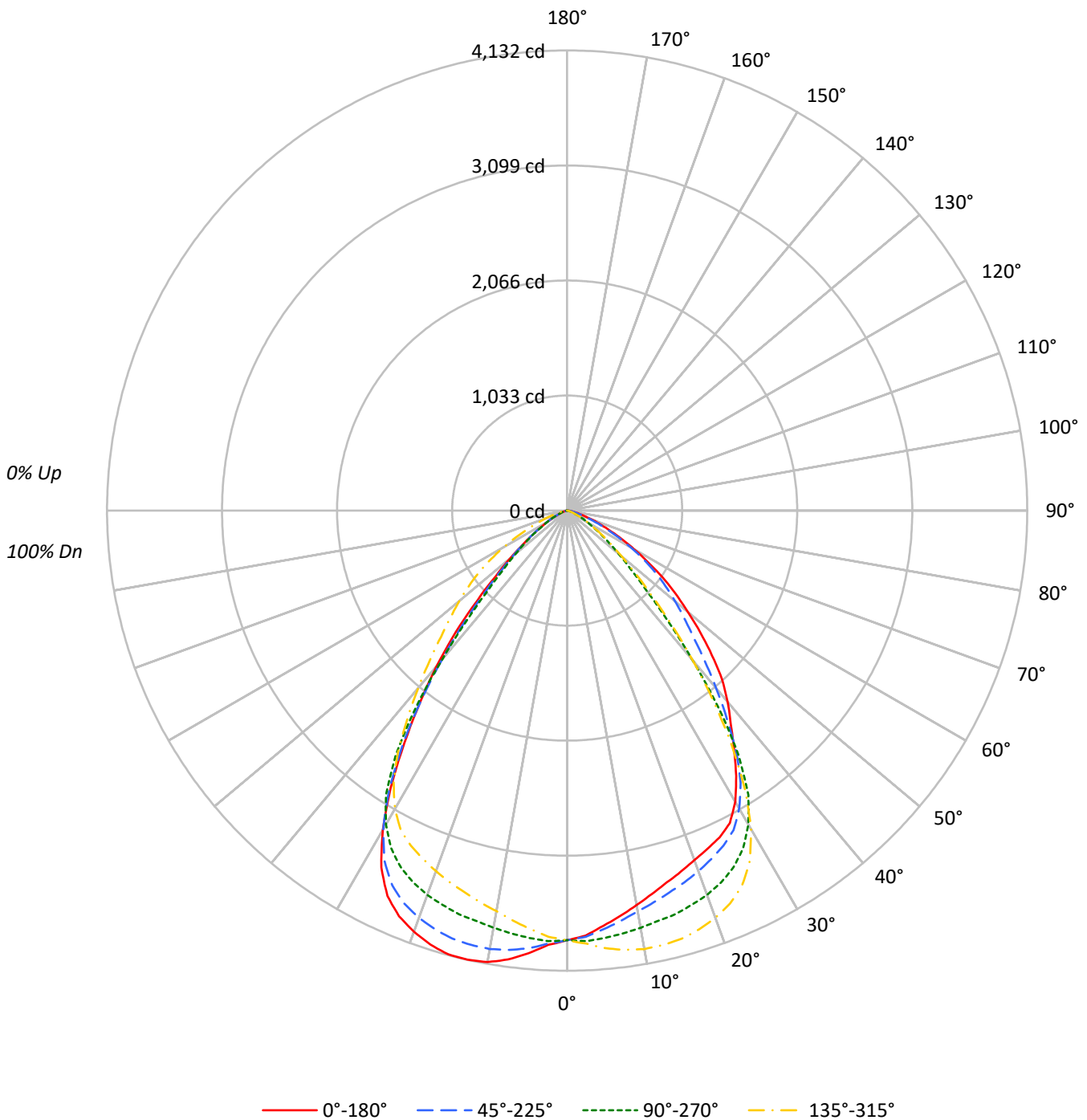
Input Watts (W): 74.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	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°	367.2	5.7
10°-20°	1063.5	16.4
20°-30°	1610.3	24.8
30°-40°	1613.9	24.8
40°-50°	1013.5	15.6
50°-60°	540.1	8.3
60°-70°	222.1	3.4
70°-80°	58.7	0.9
80°-90°	9.9	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°	3041.0	46.8
0°-40°	4654.9	71.6
0°-60°	6208.4	95.5
0°-90°	6499.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6499.1	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3858	3858	3858	3858	3858	
5°	3742	3853	3990	3853	3742	353
15°	3457	3753	4126	3753	3457	978
25°	3238	3534	3819	3534	3238	1485
35°	2611	2685	2547	2685	2611	1636
45°	1839	984	1138	984	1839	1414
55°	1046	364	384	364	1046	932
65°	416	111	102	111	416	432
75°	117	23	19	23	117	132
85°	24	0	2	0	24	27
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°	3858.3	3858.3	3858.3	3858.3	3858.3	3858.3	3858.3	3858.3	3858.3	3858.3	3858.3
2.5°	3818.8	3815.0	3813.1	3816.9	3818.8	3826.4	3824.4	3828.2	3828.2	3830.1	3833.8
5°	3741.5	3739.6	3741.5	3741.5	3749.1	3756.6	3754.7	3760.4	3764.1	3773.6	3777.3
7.5°	3670.0	3670.0	3668.1	3675.6	3679.3	3690.7	3688.8	3698.2	3703.8	3713.3	3726.4
10°	3596.4	3596.4	3598.3	3603.9	3606.0	3622.8	3622.8	3636.0	3643.5	3653.0	3670.0
12.5°	3524.8	3524.8	3536.2	3532.4	3539.9	3553.1	3558.7	3572.0	3583.2	3602.1	3619.1
15°	3457.0	3457.0	3460.8	3470.2	3475.9	3492.9	3502.2	3517.3	3530.6	3549.4	3573.9
17.5°	3398.6	3396.8	3398.6	3410.0	3421.2	3436.3	3443.8	3462.6	3475.9	3500.3	3523.0
20°	3340.2	3344.1	3344.1	3353.4	3360.9	3379.8	3387.3	3408.1	3423.2	3445.8	3472.2
22.5°	3289.4	3287.5	3287.5	3300.8	3306.4	3323.2	3330.8	3349.6	3366.6	3385.5	3410.0
25°	3238.5	3234.7	3242.4	3244.2	3247.9	3266.8	3272.4	3285.6	3302.6	3319.5	3344.1
27.5°	3163.2	3159.5	3161.2	3168.8	3174.4	3189.5	3193.3	3206.5	3219.6	3234.7	3255.5
30°	3018.0	3014.3	3012.4	3025.7	3031.3	3042.6	3048.2	3070.8	3074.6	3091.6	3106.6
32.5°	2825.9	2824.0	2827.8	2839.0	2844.8	2859.9	2867.4	2880.6	2889.9	2899.4	2914.4
35°	2611.1	2607.4	2611.1	2622.5	2622.5	2635.6	2641.4	2646.9	2645.1	2646.9	2643.2
37.5°	2411.4	2409.5	2411.4	2417.1	2411.4	2417.1	2411.4	2400.2	2379.5	2356.9	2334.2
40°	2241.9	2243.8	2232.6	2240.0	2219.3	2215.6	2194.9	2166.5	2125.1	2079.9	2015.9
42.5°	2061.1	2055.4	2047.8	2051.5	2034.7	2021.4	1987.5	1951.8	1899.0	1823.7	1746.3
45°	1838.7	1836.9	1833.1	1831.3	1819.9	1806.8	1778.4	1737.0	1678.6	1601.3	1509.1
47.5°	1622.1	1616.4	1616.4	1618.3	1605.1	1603.2	1580.6	1544.9	1494.0	1418.6	1322.6
50°	1414.8	1413.0	1416.7	1424.2	1414.8	1411.1	1396.0	1371.5	1326.4	1262.2	1171.8
52.5°	1228.3	1226.5	1230.3	1239.6	1235.8	1239.6	1224.6	1205.8	1175.6	1113.4	1034.3
55°	1045.6	1045.6	1045.6	1056.8	1056.8	1056.8	1049.3	1038.1	1009.8	964.6	891.1
57.5°	855.3	857.1	868.5	870.4	868.5	872.3	870.4	859.0	840.3	808.2	751.7
60°	695.1	695.1	700.9	706.5	704.6	706.5	706.5	700.9	682.0	655.6	610.4
62.5°	550.1	555.8	551.9	555.8	563.3	555.8	551.9	548.2	535.1	518.1	480.4
65°	416.4	420.2	420.2	422.0	418.2	420.2	412.6	406.9	399.5	380.6	356.1
67.5°	316.6	316.6	316.6	316.6	314.6	312.8	310.8	305.2	292.0	284.5	258.1
70°	243.0	231.8	231.8	231.8	231.8	233.7	228.0	220.5	216.7	203.5	184.6
72.5°	162.0	165.8	162.0	162.0	158.3	160.1	152.7	148.8	145.1	137.6	126.2
75°	116.8	107.4	111.2	113.1	107.4	111.2	103.6	96.1	96.1	90.4	84.7
77.5°	75.4	73.5	75.4	77.3	75.4	73.5	69.8	65.9	65.9	64.0	58.4
80°	54.7	52.8	52.8	52.8	50.8	52.8	49.1	49.1	45.2	43.3	39.6
82.5°	35.8	35.8	33.9	35.8	33.9	35.8	30.2	30.2	30.2	28.2	24.5
85°	24.5	20.7	20.7	22.6	18.8	22.6	20.7	18.8	17.0	17.0	15.1
87.5°	11.4	13.2	11.4	13.2	11.4	11.4	13.2	11.4	11.4	7.5	7.5
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°	3858.3	3858.3	3858.3	3858.3	3858.3	3858.3	3858.3	3858.3	3858.3	3858.3	3858.3
2.5°	3839.5	3841.3	3841.3	3849.0	3852.7	3854.5	3854.5	3869.7	3864.0	3867.8	3871.5
5°	3784.8	3796.1	3799.9	3799.9	3820.6	3828.2	3835.7	3852.7	3854.5	3865.8	3879.0
7.5°	3732.1	3745.2	3752.9	3769.8	3782.9	3796.1	3818.8	3830.1	3841.3	3856.5	3873.4
10°	3681.2	3696.3	3711.4	3724.5	3745.2	3762.2	3777.3	3803.6	3816.9	3837.6	3860.2
12.5°	3632.3	3653.0	3666.2	3688.8	3711.4	3726.4	3749.1	3773.6	3794.3	3815.0	3841.3
15°	3589.0	3613.4	3628.5	3653.0	3677.5	3698.2	3722.7	3752.9	3768.0	3792.4	3816.9
17.5°	3541.8	3568.3	3587.1	3609.7	3639.8	3662.3	3683.1	3713.3	3732.1	3758.4	3786.8
20°	3492.9	3519.2	3541.8	3564.4	3594.6	3617.2	3641.6	3671.8	3692.6	3718.9	3741.5
22.5°	3434.5	3458.9	3483.4	3509.8	3539.9	3558.7	3587.1	3613.4	3636.0	3660.5	3683.1
25°	3359.1	3389.3	3408.1	3432.5	3457.0	3477.7	3507.9	3534.3	3553.1	3575.7	3596.4
27.5°	3270.5	3293.2	3308.2	3328.9	3353.4	3372.3	3394.8	3421.2	3440.1	3460.8	3475.9
30°	3119.7	3140.5	3153.7	3168.8	3193.3	3210.3	3229.1	3253.5	3266.8	3281.8	3295.0
32.5°	2922.0	2939.0	2946.5	2957.8	2974.7	2991.7	3006.8	3027.5	3033.2	3042.6	3042.6
35°	2635.6	2639.4	2637.6	2641.4	2648.8	2658.3	2671.4	2684.6	2692.1	2692.1	2686.5
37.5°	2300.3	2277.7	2253.3	2234.4	2228.7	2224.9	2232.6	2238.1	2245.7	2249.4	2240.0
40°	1951.8	1900.9	1846.2	1797.3	1763.3	1748.4	1742.6	1746.3	1746.3	1759.6	1759.6
42.5°	1652.3	1573.1	1492.1	1418.6	1369.6	1332.0	1315.0	1315.0	1316.8	1326.4	1332.0
45°	1403.6	1303.6	1209.5	1128.5	1060.6	1011.6	989.1	983.5	981.6	985.3	998.4
47.5°	1213.3	1109.7	1011.6	911.8	840.3	791.2	770.5	763.0	755.4	763.0	764.9
50°	1064.5	957.0	853.4	753.6	678.3	634.8	608.5	597.2	595.4	595.4	599.1
52.5°	928.8	828.9	725.4	623.6	544.4	503.0	478.6	472.8	465.3	472.8	472.8
55°	800.7	700.9	599.1	503.0	437.1	393.8	371.1	363.6	359.8	365.5	365.5
57.5°	661.3	576.4	482.3	395.7	329.7	299.6	282.6	273.2	271.2	275.1	271.2
60°	542.6	471.0	389.9	310.8	260.0	228.0	214.8	211.0	207.2	211.0	211.0
62.5°	429.5	369.2	303.3	243.0	199.7	177.1	162.0	162.0	160.1	160.1	162.0
65°	318.4	271.2	224.2	173.4	139.4	122.4	111.2	111.2	109.2	111.2	109.2
67.5°	231.8	199.7	162.0	126.2	99.9	90.4	82.9	77.3	81.0	77.3	75.4
70°	169.5	143.1	116.8	96.1	77.3	67.8	62.2	60.3	56.5	56.5	56.5
72.5°	113.1	96.1	79.1	62.2	50.8	41.4	39.6	35.8	32.1	33.9	37.7
75°	75.4	64.0	56.5	45.2	33.9	33.9	22.6	22.6	18.8	22.6	17.0
77.5°	52.8	43.3	33.9	28.2	22.6	20.7	15.1	15.1	13.2	13.2	13.2
80°	37.7	32.1	24.5	20.7	15.1	15.1	13.2	11.4	9.3	9.3	11.4
82.5°	22.6	17.0	17.0	15.1	9.3	7.5	5.6	7.5	3.8	3.8	3.8
85°	13.2	11.4	9.3	5.6	3.8	3.8	1.9	0.0	1.9	1.9	0.0
87.5°	7.5	3.8	3.8	1.9	0.0	1.9	1.9	0.0	0.0	0.0	3.8
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°	3858.3	3858.3	3858.3	3858.3	3858.3	3858.3	3858.3	3858.3	3858.3	3858.3	3858.3
2.5°	3880.9	3879.0	3882.8	3882.8	3894.2	3892.2	3897.9	3897.9	3894.2	3896.0	3903.5
5°	3894.2	3899.8	3911.1	3920.5	3937.4	3945.0	3954.4	3963.8	3965.7	3971.4	3977.1
7.5°	3894.2	3913.0	3926.1	3943.1	3965.7	3978.9	3999.6	4016.6	4024.1	4033.5	4044.8
10°	3886.5	3905.4	3929.8	3948.8	3977.1	3997.8	4018.5	4044.8	4056.2	4071.2	4086.3
12.5°	3871.5	3892.2	3918.6	3943.1	3975.1	3994.0	4020.3	4044.8	4061.8	4082.5	4099.5
15°	3849.0	3873.4	3897.9	3922.4	3956.3	3978.9	4003.4	4031.7	4048.6	4071.2	4086.3
17.5°	3813.1	3839.5	3862.1	3884.7	3916.7	3943.1	3965.7	3992.1	4009.0	4028.0	4048.6
20°	3769.8	3794.3	3818.8	3837.6	3869.7	3892.2	3916.7	3941.2	3954.4	3958.2	3990.3
22.5°	3715.2	3732.1	3751.0	3781.1	3799.9	3820.6	3843.2	3865.8	3879.0	3899.8	3911.1
25°	3624.6	3641.6	3662.3	3675.6	3698.2	3715.2	3737.7	3762.2	3769.8	3784.8	3796.1
27.5°	3498.5	3507.9	3517.3	3528.6	3541.8	3551.3	3564.4	3575.7	3583.2	3590.8	3598.3
30°	3298.7	3298.7	3298.7	3291.2	3296.9	3302.6	3304.5	3302.6	3302.6	3300.8	3300.8
32.5°	3035.0	3020.0	3003.0	2988.0	2982.3	2974.7	2971.0	2965.3	2955.9	2950.3	2952.1
35°	2679.0	2645.1	2624.4	2605.5	2590.4	2579.2	2573.4	2567.8	2566.0	2558.5	2550.8
37.5°	2234.4	2209.8	2194.9	2183.5	2170.4	2159.0	2160.9	2162.8	2168.4	2164.6	2166.5
40°	1763.3	1757.7	1763.3	1750.2	1746.3	1750.2	1759.6	1772.9	1780.3	1787.8	1801.0
42.5°	1341.3	1350.8	1364.1	1364.1	1369.6	1377.2	1388.5	1409.2	1420.4	1433.7	1448.8
45°	1009.8	1021.2	1038.1	1043.7	1047.5	1056.8	1070.1	1087.0	1094.5	1105.9	1119.0
47.5°	778.1	785.6	795.0	804.5	813.8	817.6	830.8	830.8	840.3	847.8	851.5
50°	606.6	614.1	621.7	627.3	631.1	636.8	640.6	646.2	648.0	651.8	653.7
52.5°	474.8	484.2	484.2	487.9	493.5	499.3	497.4	499.3	501.1	501.1	506.7
55°	371.1	371.1	376.8	376.8	380.6	378.7	380.6	380.6	380.6	380.6	382.5
57.5°	276.9	278.9	284.5	280.7	278.9	282.6	278.9	282.6	280.7	284.5	278.9
60°	212.8	212.8	214.8	214.8	216.7	216.7	216.7	214.8	214.8	212.8	212.8
62.5°	160.1	162.0	163.9	162.0	162.0	162.0	160.1	160.1	158.3	156.4	156.4
65°	107.4	105.5	109.2	105.5	107.4	107.4	105.5	107.4	101.7	103.6	101.7
67.5°	77.3	75.4	73.5	75.4	73.5	71.6	71.6	73.5	75.4	69.8	69.8
70°	50.8	52.8	50.8	52.8	54.7	54.7	52.8	50.8	52.8	49.1	50.8
72.5°	32.1	32.1	32.1	32.1	32.1	33.9	33.9	33.9	30.2	30.2	28.2
75°	15.1	20.7	17.0	15.1	20.7	20.7	18.8	18.8	17.0	17.0	17.0
77.5°	15.1	11.4	11.4	11.4	11.4	11.4	11.4	11.4	9.3	11.4	9.3
80°	7.5	7.5	7.5	5.6	7.5	7.5	9.3	7.5	7.5	5.6	9.3
82.5°	3.8	3.8	3.8	0.0	1.9	3.8	3.8	1.9	3.8	3.8	1.9
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: P248742

CATALOG NUMBER: LD8B80D010 ER8B80927 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3858.3	3858.3	3858.3	3858.3	3858.3	3858.3	3858.3	3858.3	3858.3	3858.3	3858.3
2.5°	3901.7	3899.8	3901.7	3903.5	3901.7	3899.8	3901.7	3903.5	3896.0	3894.2	3897.9
5°	3984.5	3984.5	3988.2	3990.3	3988.2	3984.5	3984.5	3977.1	3971.4	3965.7	3963.8
7.5°	4056.2	4059.9	4063.6	4065.5	4063.6	4059.9	4056.2	4044.8	4033.5	4024.1	4016.6
10°	4099.5	4105.1	4112.7	4116.4	4112.7	4105.1	4099.5	4086.3	4071.2	4056.2	4044.8
12.5°	4118.3	4124.0	4133.4	4131.6	4133.4	4124.0	4118.3	4099.5	4082.5	4061.8	4044.8
15°	4105.1	4112.7	4122.0	4125.8	4122.0	4112.7	4105.1	4086.3	4071.2	4048.6	4031.7
17.5°	4063.6	4075.0	4080.6	4086.3	4080.6	4075.0	4063.6	4048.6	4028.0	4009.0	3992.1
20°	4007.1	4014.8	4022.2	4024.1	4022.2	4014.8	4007.1	3990.3	3958.2	3954.4	3941.2
22.5°	3926.1	3931.9	3948.8	3943.1	3948.8	3931.9	3926.1	3911.1	3899.8	3879.0	3865.8
25°	3809.4	3815.0	3816.9	3818.8	3816.9	3815.0	3809.4	3796.1	3784.8	3769.8	3762.2
27.5°	3607.8	3607.8	3611.5	3613.4	3611.5	3607.8	3607.8	3598.3	3590.8	3583.2	3575.7
30°	3302.6	3302.6	3302.6	3312.0	3302.6	3302.6	3302.6	3300.8	3300.8	3302.6	3302.6
32.5°	2950.3	2946.5	2942.8	2946.5	2942.8	2946.5	2950.3	2952.1	2950.3	2955.9	2965.3
35°	2550.8	2549.0	2554.6	2547.1	2554.6	2549.0	2550.8	2550.8	2558.5	2566.0	2567.8
37.5°	2168.4	2164.6	2172.2	2164.6	2172.2	2164.6	2168.4	2166.5	2164.6	2168.4	2162.8
40°	1804.8	1808.6	1808.6	1823.7	1808.6	1808.6	1804.8	1801.0	1787.8	1780.3	1772.9
42.5°	1456.3	1467.6	1463.9	1475.1	1463.9	1467.6	1456.3	1448.8	1433.7	1420.4	1409.2
45°	1126.6	1134.2	1134.2	1137.9	1134.2	1134.2	1126.6	1119.0	1105.9	1094.5	1087.0
47.5°	864.7	864.7	864.7	866.6	864.7	864.7	864.7	851.5	847.8	840.3	830.8
50°	657.4	659.4	661.3	663.2	661.3	659.4	657.4	653.7	651.8	648.0	646.2
52.5°	504.9	506.7	503.0	506.7	503.0	506.7	504.9	506.7	501.1	501.1	499.3
55°	382.5	380.6	382.5	384.3	382.5	380.6	382.5	382.5	380.6	380.6	380.6
57.5°	280.7	276.9	276.9	276.9	276.9	276.9	280.7	278.9	284.5	280.7	282.6
60°	209.1	211.0	211.0	212.8	211.0	211.0	209.1	212.8	212.8	214.8	214.8
62.5°	154.5	160.1	156.4	160.1	156.4	160.1	154.5	156.4	156.4	158.3	160.1
65°	99.9	99.9	99.9	101.7	99.9	99.9	99.9	101.7	103.6	101.7	107.4
67.5°	67.8	69.8	73.5	71.6	73.5	69.8	67.8	69.8	69.8	75.4	73.5
70°	54.7	49.1	49.1	54.7	49.1	49.1	54.7	50.8	49.1	52.8	50.8
72.5°	32.1	28.2	32.1	32.1	32.1	28.2	32.1	28.2	30.2	30.2	33.9
75°	17.0	15.1	13.2	18.8	13.2	15.1	17.0	17.0	17.0	17.0	18.8
77.5°	11.4	9.3	13.2	13.2	13.2	9.3	11.4	9.3	11.4	9.3	11.4
80°	5.6	7.5	5.6	9.3	5.6	7.5	5.6	9.3	5.6	7.5	7.5
82.5°	1.9	3.8	3.8	3.8	3.8	3.8	1.9	1.9	3.8	3.8	1.9
85°	0.0	3.8	1.9	1.9	1.9	3.8	0.0	0.0	0.0	0.0	0.0
87.5°	1.9	0.0	0.0	1.9	0.0	0.0	1.9	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: P248742

CATALOG NUMBER: LD8B80D010 ER8B80927 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3858.3	3858.3	3858.3	3858.3	3858.3	3858.3	3858.3	3858.3	3858.3	3858.3	3858.3
2.5°	3897.9	3892.2	3894.2	3882.8	3882.8	3879.0	3880.9	3871.5	3867.8	3864.0	3869.7
5°	3954.4	3945.0	3937.4	3920.5	3911.1	3899.8	3894.2	3879.0	3865.8	3854.5	3852.7
7.5°	3999.6	3978.9	3965.7	3943.1	3926.1	3913.0	3894.2	3873.4	3856.5	3841.3	3830.1
10°	4018.5	3997.8	3977.1	3948.8	3929.8	3905.4	3886.5	3860.2	3837.6	3816.9	3803.6
12.5°	4020.3	3994.0	3975.1	3943.1	3918.6	3892.2	3871.5	3841.3	3815.0	3794.3	3773.6
15°	4003.4	3978.9	3956.3	3922.4	3897.9	3873.4	3849.0	3816.9	3792.4	3768.0	3752.9
17.5°	3965.7	3943.1	3916.7	3884.7	3862.1	3839.5	3813.1	3786.8	3758.4	3732.1	3713.3
20°	3916.7	3892.2	3869.7	3837.6	3818.8	3794.3	3769.8	3741.5	3718.9	3692.6	3671.8
22.5°	3843.2	3820.6	3799.9	3781.1	3751.0	3732.1	3715.2	3683.1	3660.5	3636.0	3613.4
25°	3737.7	3715.2	3698.2	3675.6	3662.3	3641.6	3624.6	3596.4	3575.7	3553.1	3534.3
27.5°	3564.4	3551.3	3541.8	3528.6	3517.3	3507.9	3498.5	3475.9	3460.8	3440.1	3421.2
30°	3304.5	3302.6	3296.9	3291.2	3298.7	3298.7	3298.7	3295.0	3281.8	3266.8	3253.5
32.5°	2971.0	2974.7	2982.3	2988.0	3003.0	3020.0	3035.0	3042.6	3042.6	3033.2	3027.5
35°	2573.4	2579.2	2590.4	2605.5	2624.4	2645.1	2679.0	2686.5	2692.1	2692.1	2684.6
37.5°	2160.9	2159.0	2170.4	2183.5	2194.9	2209.8	2234.4	2240.0	2249.4	2245.7	2238.1
40°	1759.6	1750.2	1746.3	1750.2	1763.3	1757.7	1763.3	1759.6	1759.6	1746.3	1746.3
42.5°	1388.5	1377.2	1369.6	1364.1	1364.1	1350.8	1341.3	1332.0	1326.4	1316.8	1315.0
45°	1070.1	1056.8	1047.5	1043.7	1038.1	1021.2	1009.8	998.4	985.3	981.6	983.5
47.5°	830.8	817.6	813.8	804.5	795.0	785.6	778.1	764.9	763.0	755.4	763.0
50°	640.6	636.8	631.1	627.3	621.7	614.1	606.6	599.1	595.4	595.4	597.2
52.5°	497.4	499.3	493.5	487.9	484.2	484.2	474.8	472.8	472.8	465.3	472.8
55°	380.6	378.7	380.6	376.8	376.8	371.1	371.1	365.5	365.5	359.8	363.6
57.5°	278.9	282.6	278.9	280.7	284.5	278.9	276.9	271.2	275.1	271.2	273.2
60°	216.7	216.7	216.7	214.8	214.8	212.8	212.8	211.0	211.0	207.2	211.0
62.5°	160.1	162.0	162.0	162.0	163.9	162.0	160.1	162.0	160.1	160.1	162.0
65°	105.5	107.4	107.4	105.5	109.2	105.5	107.4	109.2	111.2	109.2	111.2
67.5°	71.6	71.6	73.5	75.4	73.5	75.4	77.3	75.4	77.3	81.0	77.3
70°	52.8	54.7	54.7	52.8	50.8	52.8	50.8	56.5	56.5	56.5	60.3
72.5°	33.9	33.9	32.1	32.1	32.1	32.1	32.1	37.7	33.9	32.1	35.8
75°	18.8	20.7	20.7	15.1	17.0	20.7	15.1	17.0	22.6	18.8	22.6
77.5°	11.4	11.4	11.4	11.4	11.4	11.4	15.1	13.2	13.2	13.2	15.1
80°	9.3	7.5	7.5	5.6	7.5	7.5	7.5	11.4	9.3	9.3	11.4
82.5°	3.8	3.8	1.9	0.0	3.8	3.8	3.8	3.8	3.8	3.8	7.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	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: P248742

CATALOG NUMBER: LD8B80D010 ER8B80927 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3858.3	3858.3	3858.3	3858.3	3858.3	3858.3	3858.3	3858.3	3858.3	3858.3	3858.3
2.5°	3854.5	3854.5	3852.7	3849.0	3841.3	3841.3	3839.5	3833.8	3830.1	3828.2	3828.2
5°	3835.7	3828.2	3820.6	3799.9	3799.9	3796.1	3784.8	3777.3	3773.6	3764.1	3760.4
7.5°	3818.8	3796.1	3782.9	3769.8	3752.9	3745.2	3732.1	3726.4	3713.3	3703.8	3698.2
10°	3777.3	3762.2	3745.2	3724.5	3711.4	3696.3	3681.2	3670.0	3653.0	3643.5	3636.0
12.5°	3749.1	3726.4	3711.4	3688.8	3666.2	3653.0	3632.3	3619.1	3602.1	3583.2	3572.0
15°	3722.7	3698.2	3677.5	3653.0	3628.5	3613.4	3589.0	3573.9	3549.4	3530.6	3517.3
17.5°	3683.1	3662.3	3639.8	3609.7	3587.1	3568.3	3541.8	3523.0	3500.3	3475.9	3462.6
20°	3641.6	3617.2	3594.6	3564.4	3541.8	3519.2	3492.9	3472.2	3445.8	3423.2	3408.1
22.5°	3587.1	3558.7	3539.9	3509.8	3483.4	3458.9	3434.5	3410.0	3385.5	3366.6	3349.6
25°	3507.9	3477.7	3457.0	3432.5	3408.1	3389.3	3359.1	3344.1	3319.5	3302.6	3285.6
27.5°	3394.8	3372.3	3353.4	3328.9	3308.2	3293.2	3270.5	3255.5	3234.7	3219.6	3206.5
30°	3229.1	3210.3	3193.3	3168.8	3153.7	3140.5	3119.7	3106.6	3091.6	3074.6	3070.8
32.5°	3006.8	2991.7	2974.7	2957.8	2946.5	2939.0	2922.0	2914.4	2899.4	2889.9	2880.6
35°	2671.4	2658.3	2648.8	2641.4	2637.6	2639.4	2635.6	2643.2	2646.9	2645.1	2646.9
37.5°	2232.6	2224.9	2228.7	2234.4	2253.3	2277.7	2300.3	2334.2	2356.9	2379.5	2400.2
40°	1742.6	1748.4	1763.3	1797.3	1846.2	1900.9	1951.8	2015.9	2079.9	2125.1	2166.5
42.5°	1315.0	1332.0	1369.6	1418.6	1492.1	1573.1	1652.3	1746.3	1823.7	1899.0	1951.8
45°	989.1	1011.6	1060.6	1128.5	1209.5	1303.6	1403.6	1509.1	1601.3	1678.6	1737.0
47.5°	770.5	791.2	840.3	911.8	1011.6	1109.7	1213.3	1322.6	1418.6	1494.0	1544.9
50°	608.5	634.8	678.3	753.6	853.4	957.0	1064.5	1171.8	1262.2	1326.4	1371.5
52.5°	478.6	503.0	544.4	623.6	725.4	828.9	928.8	1034.3	1113.4	1175.6	1205.8
55°	371.1	393.8	437.1	503.0	599.1	700.9	800.7	891.1	964.6	1009.8	1038.1
57.5°	282.6	299.6	329.7	395.7	482.3	576.4	661.3	751.7	808.2	840.3	859.0
60°	214.8	228.0	260.0	310.8	389.9	471.0	542.6	610.4	655.6	682.0	700.9
62.5°	162.0	177.1	199.7	243.0	303.3	369.2	429.5	480.4	518.1	535.1	548.2
65°	111.2	122.4	139.4	173.4	224.2	271.2	318.4	356.1	380.6	399.5	406.9
67.5°	82.9	90.4	99.9	126.2	162.0	199.7	231.8	258.1	284.5	292.0	305.2
70°	62.2	67.8	77.3	96.1	116.8	143.1	169.5	184.6	203.5	216.7	220.5
72.5°	39.6	41.4	50.8	62.2	79.1	96.1	113.1	126.2	137.6	145.1	148.8
75°	22.6	33.9	33.9	45.2	56.5	64.0	75.4	84.7	90.4	96.1	96.1
77.5°	15.1	20.7	22.6	28.2	33.9	43.3	52.8	58.4	64.0	65.9	65.9
80°	13.2	15.1	15.1	20.7	24.5	32.1	37.7	39.6	43.3	45.2	49.1
82.5°	5.6	7.5	9.3	15.1	17.0	17.0	22.6	24.5	28.2	30.2	30.2
85°	1.9	3.8	3.8	5.6	9.3	11.4	13.2	15.1	17.0	17.0	18.8
87.5°	1.9	1.9	0.0	1.9	3.8	3.8	7.5	7.5	7.5	11.4	11.4
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: P248742

CATALOG NUMBER: LD8B80D010 ER8B80927 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	3858.3	3858.3	3858.3	3858.3	3858.3	3858.3	3858.3
2.5°	3824.4	3826.4	3818.8	3816.9	3813.1	3815.0	3818.8
5°	3754.7	3756.6	3749.1	3741.5	3741.5	3739.6	3741.5
7.5°	3688.8	3690.7	3679.3	3675.6	3668.1	3670.0	3670.0
10°	3622.8	3622.8	3606.0	3603.9	3598.3	3596.4	3596.4
12.5°	3558.7	3553.1	3539.9	3532.4	3536.2	3524.8	3524.8
15°	3502.2	3492.9	3475.9	3470.2	3460.8	3457.0	3457.0
17.5°	3443.8	3436.3	3421.2	3410.0	3398.6	3396.8	3398.6
20°	3387.3	3379.8	3360.9	3353.4	3344.1	3344.1	3340.2
22.5°	3330.8	3323.2	3306.4	3300.8	3287.5	3287.5	3289.4
25°	3272.4	3266.8	3247.9	3244.2	3242.4	3234.7	3238.5
27.5°	3193.3	3189.5	3174.4	3168.8	3161.2	3159.5	3163.2
30°	3048.2	3042.6	3031.3	3025.7	3012.4	3014.3	3018.0
32.5°	2867.4	2859.9	2844.8	2839.0	2827.8	2824.0	2825.9
35°	2641.4	2635.6	2622.5	2622.5	2611.1	2607.4	2611.1
37.5°	2411.4	2417.1	2411.4	2417.1	2411.4	2409.5	2411.4
40°	2194.9	2215.6	2219.3	2240.0	2232.6	2243.8	2241.9
42.5°	1987.5	2021.4	2034.7	2051.5	2047.8	2055.4	2061.1
45°	1778.4	1806.8	1819.9	1831.3	1833.1	1836.9	1838.7
47.5°	1580.6	1603.2	1605.1	1618.3	1616.4	1616.4	1622.1
50°	1396.0	1411.1	1414.8	1424.2	1416.7	1413.0	1414.8
52.5°	1224.6	1239.6	1235.8	1239.6	1230.3	1226.5	1228.3
55°	1049.3	1056.8	1056.8	1056.8	1045.6	1045.6	1045.6
57.5°	870.4	872.3	868.5	870.4	868.5	857.1	855.3
60°	706.5	706.5	704.6	706.5	700.9	695.1	695.1
62.5°	551.9	555.8	563.3	555.8	551.9	555.8	550.1
65°	412.6	420.2	418.2	422.0	420.2	420.2	416.4
67.5°	310.8	312.8	314.6	316.6	316.6	316.6	316.6
70°	228.0	233.7	231.8	231.8	231.8	231.8	243.0
72.5°	152.7	160.1	158.3	162.0	162.0	165.8	162.0
75°	103.6	111.2	107.4	113.1	111.2	107.4	116.8
77.5°	69.8	73.5	75.4	77.3	75.4	73.5	75.4
80°	49.1	52.8	50.8	52.8	52.8	52.8	54.7
82.5°	30.2	35.8	33.9	35.8	33.9	35.8	35.8
85°	20.7	22.6	18.8	22.6	20.7	20.7	24.5
87.5°	13.2	11.4	11.4	13.2	11.4	13.2	11.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)