

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: P249066

Luminaire Tested: **LD8B80D010 ER8B80927 8LBSW0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P249066  
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 8LBSW0MW  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
97 CRI 2700 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6487.9 lumens  
Efficiency: N/A  
Efficacy: 87.2 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.23 / 1.15  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

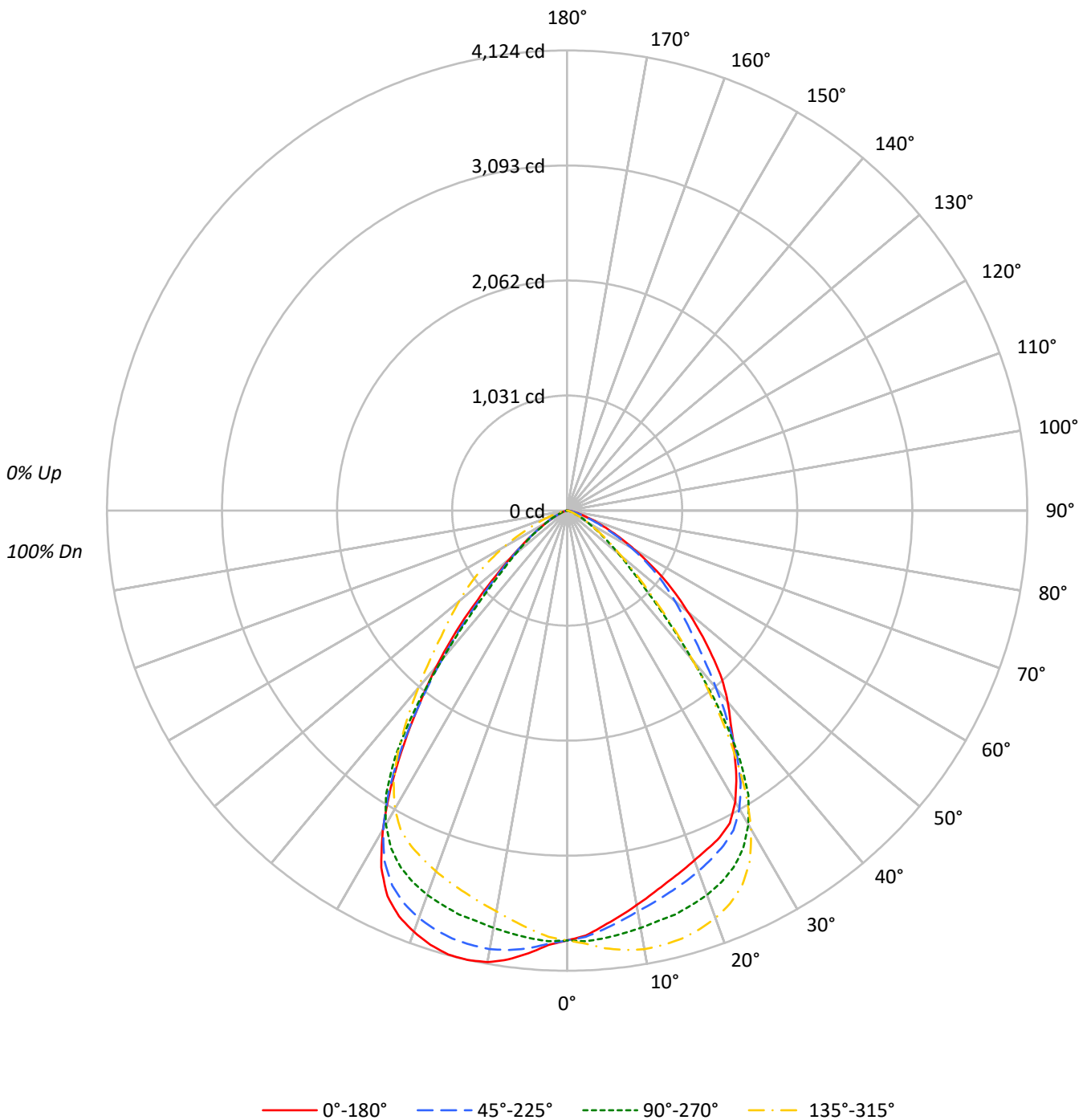
Input Watts (W): 74.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	366.6	5.7
10°-20°	1061.6	16.4
20°-30°	1607.5	24.8
30°-40°	1611.1	24.8
40°-50°	1011.7	15.6
50°-60°	539.1	8.3
60°-70°	221.7	3.4
70°-80°	58.6	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°	3035.7	46.8
0°-40°	4646.9	71.6
0°-60°	6197.7	95.5
0°-90°	6487.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6487.9	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3852	3852	3852	3852	3852	
5°	3735	3846	3983	3846	3735	352
15°	3451	3746	4119	3746	3451	976
25°	3233	3528	3812	3528	3233	1483
35°	2607	2680	2543	2680	2607	1633
45°	1836	982	1136	982	1836	1412
55°	1044	363	384	363	1044	931
65°	416	111	102	111	416	431
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°	3851.7	3851.7	3851.7	3851.7	3851.7	3851.7	3851.7	3851.7	3851.7	3851.7	3851.7
2.5°	3812.2	3808.4	3806.6	3810.3	3812.2	3819.7	3817.8	3821.5	3821.5	3823.4	3827.1
5°	3735.1	3733.1	3735.1	3735.1	3742.5	3750.1	3748.3	3753.9	3757.6	3767.1	3770.8
7.5°	3663.6	3663.6	3661.6	3669.2	3673.0	3684.3	3682.4	3691.8	3697.4	3706.8	3719.9
10°	3590.2	3590.2	3592.1	3597.8	3599.7	3616.5	3616.5	3629.7	3637.2	3646.7	3663.6
12.5°	3518.8	3518.8	3530.1	3526.3	3533.8	3547.0	3552.6	3565.8	3577.0	3595.8	3612.8
15°	3451.0	3451.0	3454.9	3464.2	3469.8	3486.8	3496.2	3511.2	3524.4	3543.2	3567.7
17.5°	3392.8	3390.9	3392.8	3404.0	3415.4	3430.4	3437.9	3456.7	3469.8	3494.4	3517.0
20°	3334.5	3338.2	3338.2	3347.7	3355.1	3374.0	3381.4	3402.2	3417.2	3439.7	3466.1
22.5°	3283.6	3281.8	3281.8	3295.0	3300.6	3317.5	3325.0	3343.8	3360.8	3379.6	3404.0
25°	3232.9	3229.1	3236.7	3238.5	3242.2	3261.0	3266.8	3279.9	3296.8	3313.8	3338.2
27.5°	3157.6	3153.9	3155.8	3163.3	3169.0	3184.0	3187.8	3201.0	3214.1	3229.1	3249.9
30°	3012.9	3009.2	3007.2	3020.4	3026.0	3037.3	3042.9	3065.5	3069.2	3086.2	3101.2
32.5°	2821.0	2819.1	2823.0	2834.2	2839.8	2854.9	2862.5	2875.6	2885.0	2894.4	2909.4
35°	2606.6	2602.9	2606.6	2618.0	2618.0	2631.2	2636.8	2642.3	2640.5	2642.3	2638.6
37.5°	2407.3	2405.4	2407.3	2412.9	2407.3	2412.9	2407.3	2396.0	2375.3	2352.7	2330.1
40°	2238.1	2239.9	2228.6	2236.2	2215.5	2211.8	2191.0	2162.8	2121.4	2076.3	2012.4
42.5°	2057.5	2051.9	2044.4	2048.1	2031.2	2017.9	1984.2	1948.4	1895.7	1820.6	1743.4
45°	1835.6	1833.8	1829.9	1828.0	1816.8	1803.6	1775.4	1734.0	1675.7	1598.6	1506.4
47.5°	1619.3	1613.6	1613.6	1615.5	1602.3	1600.4	1577.8	1542.1	1491.4	1416.1	1320.2
50°	1412.3	1410.5	1414.2	1421.8	1412.3	1408.6	1393.6	1369.1	1324.0	1260.1	1169.8
52.5°	1226.1	1224.3	1228.2	1237.5	1233.7	1237.5	1222.4	1203.6	1173.6	1111.5	1032.5
55°	1043.8	1043.8	1043.8	1055.0	1055.0	1055.0	1047.5	1036.4	1008.0	962.9	889.6
57.5°	853.9	855.7	867.0	868.8	867.0	870.8	868.8	857.6	838.8	806.8	750.4
60°	694.0	694.0	699.6	705.3	703.4	705.3	705.3	699.6	680.8	654.5	609.4
62.5°	549.1	554.8	551.0	554.8	562.3	554.8	551.0	547.3	534.2	517.2	479.6
65°	415.6	419.4	419.4	421.3	417.5	419.4	411.9	406.2	398.7	379.9	355.5
67.5°	316.0	316.0	316.0	316.0	314.1	312.2	310.4	304.7	291.5	284.1	257.6
70°	242.6	231.3	231.3	231.3	231.3	233.2	227.6	220.0	216.3	203.2	184.3
72.5°	161.7	165.5	161.7	161.7	158.0	159.9	152.3	148.5	144.8	137.4	126.0
75°	116.6	107.2	110.9	112.8	107.2	110.9	103.4	96.0	96.0	90.2	84.6
77.5°	75.3	73.4	75.3	77.1	75.3	73.4	69.6	65.8	65.8	63.9	58.3
80°	54.6	52.6	52.6	52.6	50.7	52.6	48.9	48.9	45.1	43.3	39.5
82.5°	35.8	35.8	33.9	35.8	33.9	35.8	30.2	30.2	30.2	28.1	24.4
85°	24.4	20.7	20.7	22.6	18.8	22.6	20.7	18.8	17.0	17.0	15.0
87.5°	11.2	13.2	11.2	13.2	11.2	11.2	13.2	11.2	11.2	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°	3851.7	3851.7	3851.7	3851.7	3851.7	3851.7	3851.7	3851.7	3851.7	3851.7	3851.7
2.5°	3832.9	3834.7	3834.7	3842.3	3846.0	3847.8	3847.8	3862.9	3857.3	3861.1	3864.8
5°	3778.3	3789.6	3793.4	3793.4	3814.0	3821.5	3829.0	3846.0	3847.8	3859.2	3872.4
7.5°	3725.7	3738.8	3746.4	3763.2	3776.4	3789.6	3812.2	3823.4	3834.7	3849.8	3866.6
10°	3674.8	3689.9	3705.0	3718.1	3738.8	3755.7	3770.8	3797.1	3810.3	3831.0	3853.5
12.5°	3626.0	3646.7	3659.8	3682.4	3705.0	3719.9	3742.5	3767.1	3787.6	3808.4	3834.7
15°	3582.7	3607.2	3622.2	3646.7	3671.1	3691.8	3716.2	3746.4	3761.4	3785.8	3810.3
17.5°	3535.6	3562.1	3580.9	3603.4	3633.5	3656.0	3676.7	3706.8	3725.7	3752.0	3780.2
20°	3486.8	3513.2	3535.6	3558.3	3588.4	3610.9	3635.3	3665.5	3686.2	3712.5	3735.1
22.5°	3428.6	3453.0	3477.4	3503.7	3533.8	3552.6	3580.9	3607.2	3629.7	3654.2	3676.7
25°	3353.3	3383.4	3402.2	3426.6	3451.0	3471.8	3501.8	3528.1	3547.0	3569.5	3590.2
27.5°	3264.9	3287.5	3302.6	3323.1	3347.7	3366.4	3389.0	3415.4	3434.2	3454.9	3469.8
30°	3114.3	3135.2	3148.3	3163.3	3187.8	3204.7	3223.6	3247.9	3261.0	3276.2	3289.4
32.5°	2916.9	2933.9	2941.4	2952.7	2969.7	2986.5	3001.6	3022.3	3027.9	3037.3	3037.3
35°	2631.2	2634.9	2633.0	2636.8	2644.3	2653.6	2666.8	2680.0	2687.5	2687.5	2681.9
37.5°	2296.4	2273.7	2249.3	2230.5	2224.9	2221.1	2228.6	2234.2	2241.8	2245.5	2236.2
40°	1948.4	1897.6	1843.1	1794.2	1760.3	1745.3	1739.7	1743.4	1743.4	1756.6	1756.6
42.5°	1649.4	1570.4	1489.5	1416.1	1367.2	1329.6	1312.8	1312.8	1314.6	1324.0	1329.6
45°	1401.2	1301.4	1207.4	1126.6	1058.9	1009.9	987.4	981.7	979.9	983.6	996.8
47.5°	1211.2	1107.8	1009.9	910.2	838.8	789.9	769.3	761.6	754.1	761.6	763.5
50°	1062.6	955.4	852.0	752.3	677.0	633.7	607.4	596.1	594.3	594.3	598.1
52.5°	927.1	827.6	724.1	622.6	543.5	502.2	477.7	472.0	464.5	472.0	472.0
55°	799.3	699.6	598.1	502.2	436.3	393.1	370.5	362.9	359.2	364.8	364.8
57.5°	660.2	575.4	481.5	395.0	329.2	299.0	282.0	272.7	270.8	274.6	270.8
60°	541.7	470.1	389.2	310.4	259.5	227.6	214.4	210.6	206.9	210.6	210.6
62.5°	428.7	368.7	302.7	242.6	199.4	176.8	161.7	161.7	159.9	159.9	161.7
65°	317.8	270.8	223.8	173.0	139.2	122.3	110.9	110.9	109.1	110.9	109.1
67.5°	231.3	199.4	161.7	126.0	99.7	90.2	82.8	77.1	80.9	77.1	75.3
70°	169.3	142.9	116.6	96.0	77.1	67.7	62.1	60.2	56.5	56.5	56.5
72.5°	112.8	96.0	79.0	62.1	50.7	41.3	39.5	35.8	32.0	33.9	37.6
75°	75.3	63.9	56.5	45.1	33.9	33.9	22.6	22.6	18.8	22.6	17.0
77.5°	52.6	43.3	33.9	28.1	22.6	20.7	15.0	15.0	13.2	13.2	13.2
80°	37.6	32.0	24.4	20.7	15.0	15.0	13.2	11.2	9.3	9.3	11.2
82.5°	22.6	17.0	17.0	15.0	9.3	7.5	5.6	7.5	3.8	3.8	3.8
85°	13.2	11.2	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°	3851.7	3851.7	3851.7	3851.7	3851.7	3851.7	3851.7	3851.7	3851.7	3851.7	3851.7
2.5°	3874.3	3872.4	3876.1	3876.1	3887.4	3885.5	3891.2	3891.2	3887.4	3889.2	3896.8
5°	3887.4	3893.1	3904.3	3913.8	3930.6	3938.2	3947.5	3957.0	3958.9	3964.5	3970.1
7.5°	3887.4	3906.2	3919.4	3936.3	3958.9	3972.0	3992.7	4009.6	4017.2	4026.5	4037.8
10°	3879.8	3898.7	3923.1	3941.9	3970.1	3990.8	4011.5	4037.8	4049.1	4064.2	4079.2
12.5°	3864.8	3885.5	3911.8	3936.3	3968.2	3987.0	4013.3	4037.8	4054.7	4075.4	4092.4
15°	3842.3	3866.6	3891.2	3915.6	3949.4	3972.0	3996.4	4024.7	4041.6	4064.2	4079.2
17.5°	3806.6	3832.9	3855.5	3878.0	3909.9	3936.3	3958.9	3985.2	4002.2	4021.0	4041.6
20°	3763.2	3787.6	3812.2	3831.0	3862.9	3885.5	3909.9	3934.4	3947.5	3951.3	3983.3
22.5°	3708.8	3725.7	3744.4	3774.6	3793.4	3814.0	3836.6	3859.2	3872.4	3893.1	3904.3
25°	3618.4	3635.3	3656.0	3669.2	3691.8	3708.8	3731.3	3755.7	3763.2	3778.3	3789.6
27.5°	3492.4	3501.8	3511.2	3522.5	3535.6	3545.1	3558.3	3569.5	3577.0	3584.6	3592.1
30°	3293.1	3293.1	3293.1	3285.6	3291.2	3296.8	3298.7	3296.8	3296.8	3295.0	3295.0
32.5°	3029.7	3014.8	2997.8	2982.8	2977.1	2969.7	2965.8	2960.2	2950.8	2945.1	2947.0
35°	2674.4	2640.5	2619.8	2601.0	2586.0	2574.7	2569.0	2563.4	2561.5	2554.0	2546.4
37.5°	2230.5	2206.0	2191.0	2179.7	2166.5	2155.3	2157.1	2159.1	2164.6	2160.9	2162.8
40°	1760.3	1754.7	1760.3	1747.1	1743.4	1747.1	1756.6	1769.7	1777.3	1784.8	1798.0
42.5°	1339.1	1348.4	1361.7	1361.7	1367.2	1374.9	1386.0	1406.8	1418.1	1431.1	1446.3
45°	1008.0	1019.4	1036.4	1041.9	1045.7	1055.0	1068.3	1085.2	1092.6	1104.0	1117.1
47.5°	776.7	784.2	793.6	803.0	812.5	816.2	829.4	829.4	838.8	846.3	850.0
50°	605.6	613.1	620.6	626.3	630.0	635.7	639.4	645.1	646.9	650.7	652.6
52.5°	474.0	483.3	483.3	487.0	492.8	498.4	496.5	498.4	500.2	500.2	505.9
55°	370.5	370.5	376.1	376.1	379.9	378.0	379.9	379.9	379.9	379.9	381.8
57.5°	276.4	278.3	284.1	280.2	278.3	282.0	278.3	282.0	280.2	284.1	278.3
60°	212.5	212.5	214.4	214.4	216.3	216.3	216.3	214.4	214.4	212.5	212.5
62.5°	159.9	161.7	163.7	161.7	161.7	161.7	159.9	159.9	158.0	156.0	156.0
65°	107.2	105.3	109.1	105.3	107.2	107.2	105.3	107.2	101.6	103.4	101.6
67.5°	77.1	75.3	73.4	75.3	73.4	71.4	71.4	73.4	75.3	69.6	69.6
70°	50.7	52.6	50.7	52.6	54.6	54.6	52.6	50.7	52.6	48.9	50.7
72.5°	32.0	32.0	32.0	32.0	32.0	33.9	33.9	33.9	30.2	30.2	28.1
75°	15.0	20.7	17.0	15.0	20.7	20.7	18.8	18.8	17.0	17.0	17.0
77.5°	15.0	11.2	11.2	11.2	11.2	11.2	11.2	11.2	9.3	11.2	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: P249066

CATALOG NUMBER: LD8B80D010 ER8B80927 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3851.7	3851.7	3851.7	3851.7	3851.7	3851.7	3851.7	3851.7	3851.7	3851.7	3851.7
2.5°	3894.9	3893.1	3894.9	3896.8	3894.9	3893.1	3894.9	3896.8	3889.2	3887.4	3891.2
5°	3977.7	3977.7	3981.4	3983.3	3981.4	3977.7	3977.7	3970.1	3964.5	3958.9	3957.0
7.5°	4049.1	4052.9	4056.6	4058.4	4056.6	4052.9	4049.1	4037.8	4026.5	4017.2	4009.6
10°	4092.4	4098.0	4105.6	4109.3	4105.6	4098.0	4092.4	4079.2	4064.2	4049.1	4037.8
12.5°	4111.2	4116.8	4126.3	4124.4	4126.3	4116.8	4111.2	4092.4	4075.4	4054.7	4037.8
15°	4098.0	4105.6	4114.9	4118.7	4114.9	4105.6	4098.0	4079.2	4064.2	4041.6	4024.7
17.5°	4056.6	4067.9	4073.6	4079.2	4073.6	4067.9	4056.6	4041.6	4021.0	4002.2	3985.2
20°	4000.2	4007.8	4015.2	4017.2	4015.2	4007.8	4000.2	3983.3	3951.3	3947.5	3934.4
22.5°	3919.4	3925.0	3941.9	3936.3	3941.9	3925.0	3919.4	3904.3	3893.1	3872.4	3859.2
25°	3802.7	3808.4	3810.3	3812.2	3810.3	3808.4	3802.7	3789.6	3778.3	3763.2	3755.7
27.5°	3601.6	3601.6	3605.3	3607.2	3605.3	3601.6	3601.6	3592.1	3584.6	3577.0	3569.5
30°	3296.8	3296.8	3296.8	3306.3	3296.8	3296.8	3296.8	3295.0	3295.0	3296.8	3296.8
32.5°	2945.1	2941.4	2937.7	2941.4	2937.7	2941.4	2945.1	2947.0	2945.1	2950.8	2960.2
35°	2546.4	2544.5	2550.3	2542.7	2550.3	2544.5	2546.4	2546.4	2554.0	2561.5	2563.4
37.5°	2164.6	2160.9	2168.4	2160.9	2168.4	2160.9	2164.6	2162.8	2160.9	2164.6	2159.1
40°	1801.7	1805.4	1805.4	1820.6	1805.4	1805.4	1801.7	1798.0	1784.8	1777.3	1769.7
42.5°	1453.7	1465.1	1461.3	1472.6	1461.3	1465.1	1453.7	1446.3	1431.1	1418.1	1406.8
45°	1124.7	1132.2	1132.2	1135.9	1132.2	1132.2	1124.7	1117.1	1104.0	1092.6	1085.2
47.5°	863.2	863.2	863.2	865.1	863.2	863.2	863.2	850.0	846.3	838.8	829.4
50°	656.3	658.2	660.2	662.1	660.2	658.2	656.3	652.6	650.7	646.9	645.1
52.5°	504.0	505.9	502.2	505.9	502.2	505.9	504.0	505.9	500.2	500.2	498.4
55°	381.8	379.9	381.8	383.6	381.8	379.9	381.8	381.8	379.9	379.9	379.9
57.5°	280.2	276.4	276.4	276.4	276.4	276.4	280.2	278.3	284.1	280.2	282.0
60°	208.8	210.6	210.6	212.5	210.6	210.6	208.8	212.5	212.5	214.4	214.4
62.5°	154.2	159.9	156.0	159.9	156.0	159.9	154.2	156.0	156.0	158.0	159.9
65°	99.7	99.7	99.7	101.6	99.7	99.7	99.7	101.6	103.4	101.6	107.2
67.5°	67.7	69.6	73.4	71.4	73.4	69.6	67.7	69.6	69.6	75.3	73.4
70°	54.6	48.9	48.9	54.6	48.9	48.9	54.6	50.7	48.9	52.6	50.7
72.5°	32.0	28.1	32.0	32.0	32.0	28.1	32.0	28.1	30.2	30.2	33.9
75°	17.0	15.0	13.2	18.8	13.2	15.0	17.0	17.0	17.0	17.0	18.8
77.5°	11.2	9.3	13.2	13.2	13.2	9.3	11.2	9.3	11.2	9.3	11.2
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: P249066

CATALOG NUMBER: LD8B80D010 ER8B80927 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3851.7	3851.7	3851.7	3851.7	3851.7	3851.7	3851.7	3851.7	3851.7	3851.7	3851.7
2.5°	3891.2	3885.5	3887.4	3876.1	3876.1	3872.4	3874.3	3864.8	3861.1	3857.3	3862.9
5°	3947.5	3938.2	3930.6	3913.8	3904.3	3893.1	3887.4	3872.4	3859.2	3847.8	3846.0
7.5°	3992.7	3972.0	3958.9	3936.3	3919.4	3906.2	3887.4	3866.6	3849.8	3834.7	3823.4
10°	4011.5	3990.8	3970.1	3941.9	3923.1	3898.7	3879.8	3853.5	3831.0	3810.3	3797.1
12.5°	4013.3	3987.0	3968.2	3936.3	3911.8	3885.5	3864.8	3834.7	3808.4	3787.6	3767.1
15°	3996.4	3972.0	3949.4	3915.6	3891.2	3866.6	3842.3	3810.3	3785.8	3761.4	3746.4
17.5°	3958.9	3936.3	3909.9	3878.0	3855.5	3832.9	3806.6	3780.2	3752.0	3725.7	3706.8
20°	3909.9	3885.5	3862.9	3831.0	3812.2	3787.6	3763.2	3735.1	3712.5	3686.2	3665.5
22.5°	3836.6	3814.0	3793.4	3774.6	3744.4	3725.7	3708.8	3676.7	3654.2	3629.7	3607.2
25°	3731.3	3708.8	3691.8	3669.2	3656.0	3635.3	3618.4	3590.2	3569.5	3547.0	3528.1
27.5°	3558.3	3545.1	3535.6	3522.5	3511.2	3501.8	3492.4	3469.8	3454.9	3434.2	3415.4
30°	3298.7	3296.8	3291.2	3285.6	3293.1	3293.1	3293.1	3289.4	3276.2	3261.0	3247.9
32.5°	2965.8	2969.7	2977.1	2982.8	2997.8	3014.8	3029.7	3037.3	3037.3	3027.9	3022.3
35°	2569.0	2574.7	2586.0	2601.0	2619.8	2640.5	2674.4	2681.9	2687.5	2687.5	2680.0
37.5°	2157.1	2155.3	2166.5	2179.7	2191.0	2206.0	2230.5	2236.2	2245.5	2241.8	2234.2
40°	1756.6	1747.1	1743.4	1747.1	1760.3	1754.7	1760.3	1756.6	1756.6	1743.4	1743.4
42.5°	1386.0	1374.9	1367.2	1361.7	1361.7	1348.4	1339.1	1329.6	1324.0	1314.6	1312.8
45°	1068.3	1055.0	1045.7	1041.9	1036.4	1019.4	1008.0	996.8	983.6	979.9	981.7
47.5°	829.4	816.2	812.5	803.0	793.6	784.2	776.7	763.5	761.6	754.1	761.6
50°	639.4	635.7	630.0	626.3	620.6	613.1	605.6	598.1	594.3	594.3	596.1
52.5°	496.5	498.4	492.8	487.0	483.3	483.3	474.0	472.0	472.0	464.5	472.0
55°	379.9	378.0	379.9	376.1	376.1	370.5	370.5	364.8	364.8	359.2	362.9
57.5°	278.3	282.0	278.3	280.2	284.1	278.3	276.4	270.8	274.6	270.8	272.7
60°	216.3	216.3	216.3	214.4	214.4	212.5	212.5	210.6	210.6	206.9	210.6
62.5°	159.9	161.7	161.7	161.7	163.7	161.7	159.9	161.7	159.9	159.9	161.7
65°	105.3	107.2	107.2	105.3	109.1	105.3	107.2	109.1	110.9	109.1	110.9
67.5°	71.4	71.4	73.4	75.3	73.4	75.3	77.1	75.3	77.1	80.9	77.1
70°	52.6	54.6	54.6	52.6	50.7	52.6	50.7	56.5	56.5	56.5	60.2
72.5°	33.9	33.9	32.0	32.0	32.0	32.0	32.0	37.6	33.9	32.0	35.8
75°	18.8	20.7	20.7	15.0	17.0	20.7	15.0	17.0	22.6	18.8	22.6
77.5°	11.2	11.2	11.2	11.2	11.2	11.2	15.0	13.2	13.2	13.2	15.0
80°	9.3	7.5	7.5	5.6	7.5	7.5	7.5	11.2	9.3	9.3	11.2
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: P249066

CATALOG NUMBER: LD8B80D010 ER8B80927 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3851.7	3851.7	3851.7	3851.7	3851.7	3851.7	3851.7	3851.7	3851.7	3851.7	3851.7
2.5°	3847.8	3847.8	3846.0	3842.3	3834.7	3834.7	3832.9	3827.1	3823.4	3821.5	3821.5
5°	3829.0	3821.5	3814.0	3793.4	3793.4	3789.6	3778.3	3770.8	3767.1	3757.6	3753.9
7.5°	3812.2	3789.6	3776.4	3763.2	3746.4	3738.8	3725.7	3719.9	3706.8	3697.4	3691.8
10°	3770.8	3755.7	3738.8	3718.1	3705.0	3689.9	3674.8	3663.6	3646.7	3637.2	3629.7
12.5°	3742.5	3719.9	3705.0	3682.4	3659.8	3646.7	3626.0	3612.8	3595.8	3577.0	3565.8
15°	3716.2	3691.8	3671.1	3646.7	3622.2	3607.2	3582.7	3567.7	3543.2	3524.4	3511.2
17.5°	3676.7	3656.0	3633.5	3603.4	3580.9	3562.1	3535.6	3517.0	3494.4	3469.8	3456.7
20°	3635.3	3610.9	3588.4	3558.3	3535.6	3513.2	3486.8	3466.1	3439.7	3417.2	3402.2
22.5°	3580.9	3552.6	3533.8	3503.7	3477.4	3453.0	3428.6	3404.0	3379.6	3360.8	3343.8
25°	3501.8	3471.8	3451.0	3426.6	3402.2	3383.4	3353.3	3338.2	3313.8	3296.8	3279.9
27.5°	3389.0	3366.4	3347.7	3323.1	3302.6	3287.5	3264.9	3249.9	3229.1	3214.1	3201.0
30°	3223.6	3204.7	3187.8	3163.3	3148.3	3135.2	3114.3	3101.2	3086.2	3069.2	3065.5
32.5°	3001.6	2986.5	2969.7	2952.7	2941.4	2933.9	2916.9	2909.4	2894.4	2885.0	2875.6
35°	2666.8	2653.6	2644.3	2636.8	2633.0	2634.9	2631.2	2638.6	2642.3	2640.5	2642.3
37.5°	2228.6	2221.1	2224.9	2230.5	2249.3	2273.7	2296.4	2330.1	2352.7	2375.3	2396.0
40°	1739.7	1745.3	1760.3	1794.2	1843.1	1897.6	1948.4	2012.4	2076.3	2121.4	2162.8
42.5°	1312.8	1329.6	1367.2	1416.1	1489.5	1570.4	1649.4	1743.4	1820.6	1895.7	1948.4
45°	987.4	1009.9	1058.9	1126.6	1207.4	1301.4	1401.2	1506.4	1598.6	1675.7	1734.0
47.5°	769.3	789.9	838.8	910.2	1009.9	1107.8	1211.2	1320.2	1416.1	1491.4	1542.1
50°	607.4	633.7	677.0	752.3	852.0	955.4	1062.6	1169.8	1260.1	1324.0	1369.1
52.5°	477.7	502.2	543.5	622.6	724.1	827.6	927.1	1032.5	1111.5	1173.6	1203.6
55°	370.5	393.1	436.3	502.2	598.1	699.6	799.3	889.6	962.9	1008.0	1036.4
57.5°	282.0	299.0	329.2	395.0	481.5	575.4	660.2	750.4	806.8	838.8	857.6
60°	214.4	227.6	259.5	310.4	389.2	470.1	541.7	609.4	654.5	680.8	699.6
62.5°	161.7	176.8	199.4	242.6	302.7	368.7	428.7	479.6	517.2	534.2	547.3
65°	110.9	122.3	139.2	173.0	223.8	270.8	317.8	355.5	379.9	398.7	406.2
67.5°	82.8	90.2	99.7	126.0	161.7	199.4	231.3	257.6	284.1	291.5	304.7
70°	62.1	67.7	77.1	96.0	116.6	142.9	169.3	184.3	203.2	216.3	220.0
72.5°	39.5	41.3	50.7	62.1	79.0	96.0	112.8	126.0	137.4	144.8	148.5
75°	22.6	33.9	33.9	45.1	56.5	63.9	75.3	84.6	90.2	96.0	96.0
77.5°	15.0	20.7	22.6	28.1	33.9	43.3	52.6	58.3	63.9	65.8	65.8
80°	13.2	15.0	15.0	20.7	24.4	32.0	37.6	39.5	43.3	45.1	48.9
82.5°	5.6	7.5	9.3	15.0	17.0	17.0	22.6	24.4	28.1	30.2	30.2
85°	1.9	3.8	3.8	5.6	9.3	11.2	13.2	15.0	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	11.2	11.2
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: P249066

CATALOG NUMBER: LD8B80D010 ER8B80927 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	3851.7	3851.7	3851.7	3851.7	3851.7	3851.7	3851.7
2.5°	3817.8	3819.7	3812.2	3810.3	3806.6	3808.4	3812.2
5°	3748.3	3750.1	3742.5	3735.1	3735.1	3733.1	3735.1
7.5°	3682.4	3684.3	3673.0	3669.2	3661.6	3663.6	3663.6
10°	3616.5	3616.5	3599.7	3597.8	3592.1	3590.2	3590.2
12.5°	3552.6	3547.0	3533.8	3526.3	3530.1	3518.8	3518.8
15°	3496.2	3486.8	3469.8	3464.2	3454.9	3451.0	3451.0
17.5°	3437.9	3430.4	3415.4	3404.0	3392.8	3390.9	3392.8
20°	3381.4	3374.0	3355.1	3347.7	3338.2	3338.2	3334.5
22.5°	3325.0	3317.5	3300.6	3295.0	3281.8	3281.8	3283.6
25°	3266.8	3261.0	3242.2	3238.5	3236.7	3229.1	3232.9
27.5°	3187.8	3184.0	3169.0	3163.3	3155.8	3153.9	3157.6
30°	3042.9	3037.3	3026.0	3020.4	3007.2	3009.2	3012.9
32.5°	2862.5	2854.9	2839.8	2834.2	2823.0	2819.1	2821.0
35°	2636.8	2631.2	2618.0	2618.0	2606.6	2602.9	2606.6
37.5°	2407.3	2412.9	2407.3	2412.9	2407.3	2405.4	2407.3
40°	2191.0	2211.8	2215.5	2236.2	2228.6	2239.9	2238.1
42.5°	1984.2	2017.9	2031.2	2048.1	2044.4	2051.9	2057.5
45°	1775.4	1803.6	1816.8	1828.0	1829.9	1833.8	1835.6
47.5°	1577.8	1600.4	1602.3	1615.5	1613.6	1613.6	1619.3
50°	1393.6	1408.6	1412.3	1421.8	1414.2	1410.5	1412.3
52.5°	1222.4	1237.5	1233.7	1237.5	1228.2	1224.3	1226.1
55°	1047.5	1055.0	1055.0	1055.0	1043.8	1043.8	1043.8
57.5°	868.8	870.8	867.0	868.8	867.0	855.7	853.9
60°	705.3	705.3	703.4	705.3	699.6	694.0	694.0
62.5°	551.0	554.8	562.3	554.8	551.0	554.8	549.1
65°	411.9	419.4	417.5	421.3	419.4	419.4	415.6
67.5°	310.4	312.2	314.1	316.0	316.0	316.0	316.0
70°	227.6	233.2	231.3	231.3	231.3	231.3	242.6
72.5°	152.3	159.9	158.0	161.7	161.7	165.5	161.7
75°	103.4	110.9	107.2	112.8	110.9	107.2	116.6
77.5°	69.6	73.4	75.3	77.1	75.3	73.4	75.3
80°	48.9	52.6	50.7	52.6	52.6	52.6	54.6
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	24.4
87.5°	13.2	11.2	11.2	13.2	11.2	13.2	11.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)