

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: P249075

Luminaire Tested: **LD8B80D010 ER8B809730 8LBSW0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P249075  
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 ER8B809730 8LBSW0MW  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
97 CRI 3000 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6101.0 lumens  
Efficiency: N/A  
Efficacy: 82.0 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

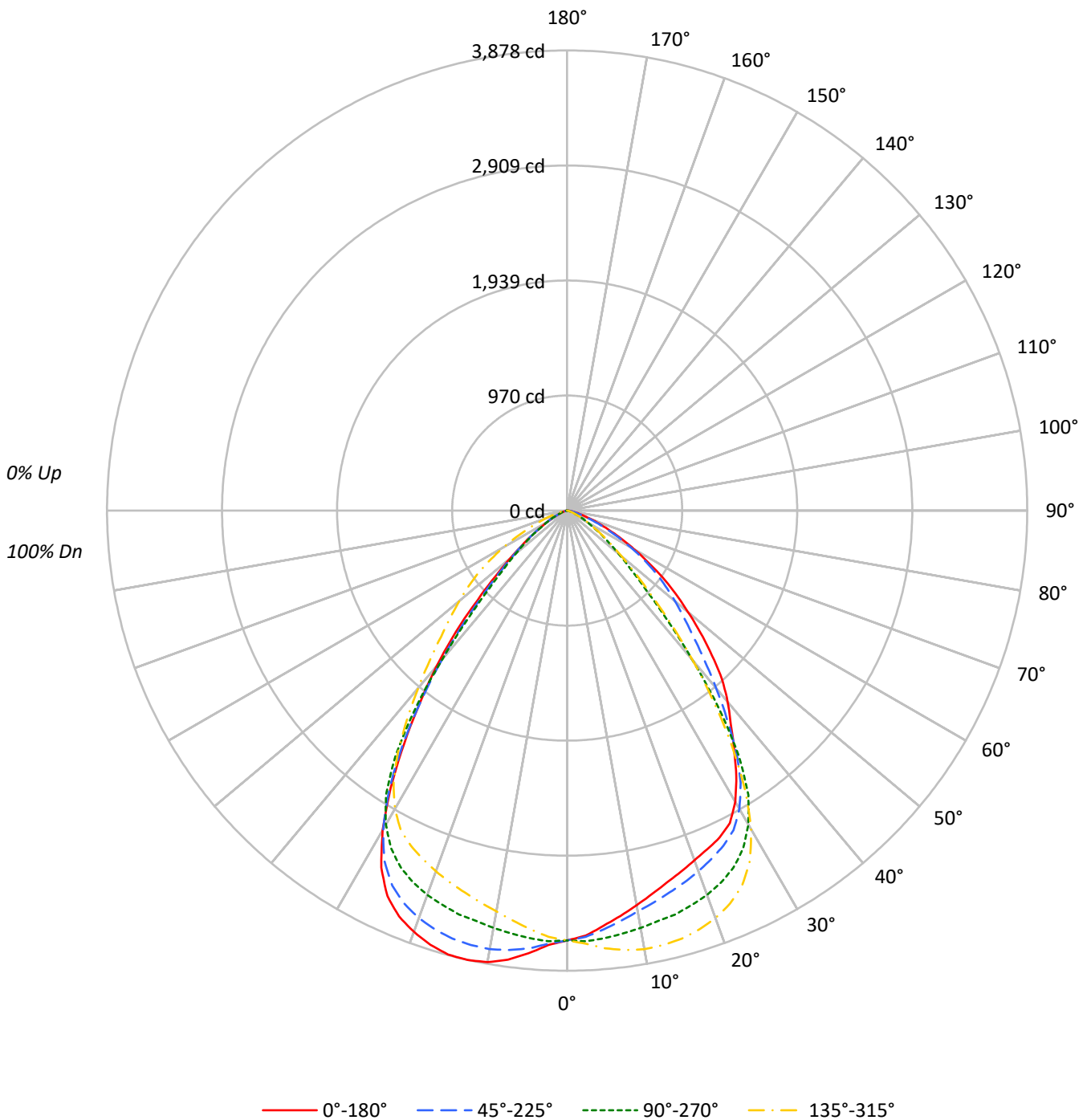
Input Watts (W): 74.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	344.7	5.7
10°-20°	998.3	16.4
20°-30°	1511.7	24.8
30°-40°	1515.0	24.8
40°-50°	951.4	15.6
50°-60°	507.0	8.3
60°-70°	208.5	3.4
70°-80°	55.1	0.9
80°-90°	9.3	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°	2854.7	46.8
0°-40°	4369.8	71.6
0°-60°	5828.1	95.5
0°-90°	6101.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6101.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3622	3622	3622	3622	3622	
5°	3512	3617	3746	3617	3512	331
15°	3245	3523	3873	3523	3245	918
25°	3040	3318	3585	3318	3040	1394
35°	2451	2520	2391	2520	2451	1536
45°	1726	923	1068	923	1726	1328
55°	982	341	361	341	982	875
65°	391	104	96	104	391	405
75°	110	21	18	21	110	124
85°	23	0	2	0	23	25
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°	3622.0	3622.0	3622.0	3622.0	3622.0	3622.0	3622.0	3622.0	3622.0	3622.0	3622.0
2.5°	3584.8	3581.3	3579.5	3583.1	3584.8	3591.9	3590.2	3593.7	3593.7	3595.5	3599.0
5°	3512.3	3510.5	3512.3	3512.3	3519.4	3526.5	3524.7	3530.0	3533.5	3542.4	3545.9
7.5°	3445.2	3445.2	3443.3	3450.4	3454.0	3464.6	3462.8	3471.6	3477.0	3485.8	3498.1
10°	3376.1	3376.1	3377.9	3383.2	3385.0	3400.9	3400.9	3413.3	3420.3	3429.2	3445.2
12.5°	3309.0	3309.0	3319.6	3316.0	3323.1	3335.5	3340.8	3353.1	3363.8	3381.5	3397.4
15°	3245.3	3245.3	3248.8	3257.6	3262.9	3278.9	3287.7	3301.9	3314.3	3332.0	3355.0
17.5°	3190.4	3188.7	3190.4	3201.1	3211.7	3225.8	3232.9	3250.6	3262.9	3286.0	3307.2
20°	3135.6	3139.2	3139.2	3148.0	3155.1	3172.8	3179.8	3199.3	3213.4	3234.6	3259.5
22.5°	3087.9	3086.1	3086.1	3098.5	3103.8	3119.7	3126.7	3144.4	3160.4	3178.1	3201.1
25°	3040.1	3036.6	3043.7	3045.4	3048.9	3066.6	3071.9	3084.3	3100.3	3116.2	3139.2
27.5°	2969.4	2965.9	2967.6	2974.7	2980.0	2994.1	2997.7	3010.1	3022.4	3036.6	3056.1
30°	2833.2	2829.7	2827.9	2840.3	2845.6	2856.2	2861.5	2882.7	2886.2	2902.2	2916.3
32.5°	2652.8	2651.0	2654.6	2665.2	2670.5	2684.7	2691.7	2704.1	2712.9	2721.8	2735.9
35°	2451.2	2447.6	2451.2	2461.8	2461.8	2474.2	2479.5	2484.8	2483.0	2484.8	2481.3
37.5°	2263.8	2261.9	2263.8	2269.0	2263.8	2269.0	2263.8	2253.1	2233.7	2212.4	2191.2
40°	2104.6	2106.3	2095.8	2102.8	2083.3	2079.8	2060.4	2033.8	1994.9	1952.5	1892.4
42.5°	1934.8	1929.5	1922.4	1925.9	1910.1	1897.6	1865.8	1832.2	1782.7	1712.0	1639.4
45°	1726.1	1724.4	1720.8	1719.0	1708.4	1696.0	1669.5	1630.6	1575.8	1503.3	1416.6
47.5°	1522.7	1517.4	1517.4	1519.2	1506.8	1505.0	1483.8	1450.2	1402.5	1331.7	1241.5
50°	1328.1	1326.4	1330.0	1337.0	1328.1	1324.6	1310.5	1287.5	1245.1	1185.0	1100.0
52.5°	1153.1	1151.3	1154.9	1163.7	1160.1	1163.7	1149.6	1131.9	1103.6	1045.2	970.9
55°	981.6	981.6	981.6	992.1	992.1	992.1	985.1	974.5	947.9	905.5	836.6
57.5°	802.9	804.7	815.3	817.0	815.3	818.9	817.0	806.4	788.8	758.7	705.7
60°	652.6	652.6	657.9	663.2	661.4	663.2	663.2	657.9	640.2	615.5	573.0
62.5°	516.4	521.7	518.2	521.7	528.8	521.7	518.2	514.7	502.3	486.3	451.0
65°	390.8	394.4	394.4	396.1	392.6	394.4	387.3	382.0	375.0	357.3	334.3
67.5°	297.1	297.1	297.1	297.1	295.3	293.6	291.8	286.5	274.1	267.1	242.3
70°	228.1	217.5	217.5	217.5	217.5	219.3	214.0	207.0	203.4	191.0	173.3
72.5°	152.1	155.6	152.1	152.1	148.6	150.3	143.3	139.7	136.2	129.1	118.5
75°	109.6	100.8	104.3	106.1	100.8	104.3	97.3	90.2	90.2	84.9	79.6
77.5°	70.8	69.0	70.8	72.5	70.8	69.0	65.4	61.9	61.9	60.1	54.8
80°	51.3	49.5	49.5	49.5	47.8	49.5	46.0	46.0	42.4	40.7	37.1
82.5°	33.6	33.6	31.8	33.6	31.8	33.6	28.3	28.3	28.3	26.5	23.0
85°	23.0	19.4	19.4	21.3	17.7	21.3	19.4	17.7	15.9	15.9	14.1
87.5°	10.6	12.4	10.6	12.4	10.6	10.6	12.4	10.6	10.6	7.1	7.1
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°	3622.0	3622.0	3622.0	3622.0	3622.0	3622.0	3622.0	3622.0	3622.0	3622.0	3622.0
2.5°	3604.3	3606.0	3606.0	3613.2	3616.7	3618.4	3618.4	3632.6	3627.3	3630.9	3634.3
5°	3553.0	3563.6	3567.2	3567.2	3586.6	3593.7	3600.7	3616.7	3618.4	3629.0	3641.4
7.5°	3503.5	3515.8	3523.0	3538.8	3551.2	3563.6	3584.8	3595.5	3606.0	3620.2	3636.1
10°	3455.7	3469.9	3484.0	3496.4	3515.8	3531.8	3545.9	3570.7	3583.1	3602.5	3623.7
12.5°	3409.8	3429.2	3441.6	3462.8	3484.0	3498.1	3519.4	3542.4	3561.8	3581.3	3606.0
15°	3369.1	3392.1	3406.2	3429.2	3452.2	3471.6	3494.7	3523.0	3537.1	3560.1	3583.1
17.5°	3324.8	3349.6	3367.3	3388.5	3416.8	3438.0	3457.5	3485.8	3503.5	3528.2	3554.8
20°	3278.9	3303.6	3324.8	3346.1	3374.4	3395.6	3418.6	3446.9	3466.3	3491.1	3512.3
22.5°	3224.1	3247.1	3270.0	3294.8	3323.1	3340.8	3367.3	3392.1	3413.3	3436.3	3457.5
25°	3153.3	3181.6	3199.3	3222.3	3245.3	3264.7	3293.0	3317.8	3335.5	3356.7	3376.1
27.5°	3070.2	3091.4	3105.6	3125.0	3148.0	3165.7	3186.9	3211.7	3229.4	3248.8	3262.9
30°	2928.7	2948.2	2960.6	2974.7	2997.7	3013.6	3031.3	3054.2	3066.6	3080.8	3093.2
32.5°	2743.0	2758.9	2766.0	2776.6	2792.5	2808.4	2822.6	2842.0	2847.4	2856.2	2856.2
35°	2474.2	2477.7	2476.0	2479.5	2486.6	2495.4	2507.8	2520.2	2527.2	2527.2	2522.0
37.5°	2159.4	2138.2	2115.2	2097.5	2092.2	2088.6	2095.8	2101.0	2108.1	2111.6	2102.8
40°	1832.2	1784.5	1733.2	1687.2	1655.4	1641.2	1635.9	1639.4	1639.4	1651.8	1651.8
42.5°	1551.0	1476.7	1400.7	1331.7	1285.7	1250.4	1234.5	1234.5	1236.2	1245.1	1250.4
45°	1317.6	1223.8	1135.4	1059.4	995.7	949.7	928.5	923.2	921.4	924.9	937.3
47.5°	1138.9	1041.7	949.7	856.0	788.8	742.8	723.4	716.2	709.2	716.2	718.0
50°	999.3	898.4	801.2	707.4	636.7	596.0	571.2	560.6	558.8	558.8	562.4
52.5°	871.9	778.2	680.9	585.4	511.1	472.2	449.2	443.9	436.8	443.9	443.9
55°	751.6	657.9	562.4	472.2	410.3	369.7	348.4	341.3	337.8	343.1	343.1
57.5°	620.8	541.2	452.8	371.4	309.5	281.2	265.3	256.5	254.6	258.2	254.6
60°	509.3	442.2	366.1	291.8	244.1	214.0	201.6	198.1	194.5	198.1	198.1
62.5°	403.2	346.6	284.7	228.1	187.4	166.3	152.1	152.1	150.3	150.3	152.1
65°	298.9	254.6	210.4	162.7	130.9	114.9	104.3	104.3	102.6	104.3	102.6
67.5°	217.5	187.4	152.1	118.5	93.8	84.9	77.8	72.5	76.1	72.5	70.8
70°	159.2	134.4	109.6	90.2	72.5	63.7	58.4	56.6	53.1	53.1	53.1
72.5°	106.1	90.2	74.3	58.4	47.8	38.9	37.1	33.6	30.1	31.8	35.4
75°	70.8	60.1	53.1	42.4	31.8	31.8	21.3	21.3	17.7	21.3	15.9
77.5°	49.5	40.7	31.8	26.5	21.3	19.4	14.1	14.1	12.4	12.4	12.4
80°	35.4	30.1	23.0	19.4	14.1	14.1	12.4	10.6	8.8	8.8	10.6
82.5°	21.3	15.9	15.9	14.1	8.8	7.1	5.3	7.1	3.6	3.6	3.6
85°	12.4	10.6	8.8	5.3	3.6	3.6	1.7	0.0	1.7	1.7	0.0
87.5°	7.1	3.6	3.6	1.7	0.0	1.7	1.7	0.0	0.0	0.0	3.6
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°	3622.0	3622.0	3622.0	3622.0	3622.0	3622.0	3622.0	3622.0	3622.0	3622.0	3622.0
2.5°	3643.2	3641.4	3645.0	3645.0	3655.6	3653.8	3659.1	3659.1	3655.6	3657.3	3664.4
5°	3655.6	3660.9	3671.5	3680.4	3696.2	3703.4	3712.2	3721.0	3722.8	3728.1	3733.4
7.5°	3655.6	3673.3	3685.7	3701.5	3722.8	3735.2	3754.6	3770.5	3777.6	3786.4	3797.0
10°	3648.5	3666.2	3689.2	3706.8	3733.4	3752.9	3772.3	3797.0	3807.7	3821.8	3836.0
12.5°	3634.3	3653.8	3678.5	3701.5	3731.6	3749.3	3774.0	3797.0	3813.0	3832.4	3848.4
15°	3613.2	3636.1	3659.1	3682.1	3713.9	3735.2	3758.2	3784.7	3800.6	3821.8	3836.0
17.5°	3579.5	3604.3	3625.5	3646.7	3676.8	3701.5	3722.8	3747.5	3763.5	3781.2	3800.6
20°	3538.8	3561.8	3584.8	3602.5	3632.6	3653.8	3676.8	3699.8	3712.2	3715.7	3745.8
22.5°	3487.6	3503.5	3521.1	3549.5	3567.2	3586.6	3607.8	3629.0	3641.4	3660.9	3671.5
25°	3402.6	3418.6	3438.0	3450.4	3471.6	3487.6	3508.8	3531.8	3538.8	3553.0	3563.6
27.5°	3284.2	3293.0	3301.9	3312.4	3324.8	3333.7	3346.1	3356.7	3363.8	3370.8	3377.9
30°	3096.7	3096.7	3096.7	3089.6	3094.9	3100.3	3102.0	3100.3	3100.3	3098.5	3098.5
32.5°	2849.1	2835.0	2819.0	2804.9	2799.6	2792.5	2789.0	2783.7	2774.9	2769.5	2771.3
35°	2514.8	2483.0	2463.6	2445.9	2431.8	2421.1	2415.8	2410.5	2408.8	2401.7	2394.6
37.5°	2097.5	2074.5	2060.4	2049.8	2037.4	2026.7	2028.5	2030.3	2035.6	2032.1	2033.8
40°	1655.4	1650.0	1655.4	1643.0	1639.4	1643.0	1651.8	1664.2	1671.3	1678.4	1690.7
42.5°	1259.2	1268.0	1280.5	1280.5	1285.7	1292.8	1303.4	1322.9	1333.5	1345.8	1360.0
45°	947.9	958.6	974.5	979.7	983.3	992.1	1004.6	1020.4	1027.5	1038.1	1050.5
47.5°	730.4	737.5	746.3	755.2	764.0	767.5	779.9	779.9	788.8	795.9	799.4
50°	569.5	576.5	583.6	588.9	592.5	597.8	601.3	606.6	608.3	611.9	613.7
52.5°	445.6	454.5	454.5	458.0	463.3	468.7	466.9	468.7	470.4	470.4	475.7
55°	348.4	348.4	353.7	353.7	357.3	355.5	357.3	357.3	357.3	357.3	359.0
57.5°	259.9	261.8	267.1	263.5	261.8	265.3	261.8	265.3	263.5	267.1	261.8
60°	199.8	199.8	201.6	201.6	203.4	203.4	203.4	201.6	201.6	199.8	199.8
62.5°	150.3	152.1	153.9	152.1	152.1	152.1	150.3	150.3	148.6	146.8	146.8
65°	100.8	99.1	102.6	99.1	100.8	100.8	99.1	100.8	95.5	97.3	95.5
67.5°	72.5	70.8	69.0	70.8	69.0	67.2	67.2	69.0	70.8	65.4	65.4
70°	47.8	49.5	47.8	49.5	51.3	51.3	49.5	47.8	49.5	46.0	47.8
72.5°	30.1	30.1	30.1	30.1	30.1	31.8	31.8	31.8	28.3	28.3	26.5
75°	14.1	19.4	15.9	14.1	19.4	19.4	17.7	17.7	15.9	15.9	15.9
77.5°	14.1	10.6	10.6	10.6	10.6	10.6	10.6	10.6	8.8	10.6	8.8
80°	7.1	7.1	7.1	5.3	7.1	7.1	8.8	7.1	7.1	5.3	8.8
82.5°	3.6	3.6	3.6	0.0	1.7	3.6	3.6	1.7	3.6	3.6	1.7
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: P249075

CATALOG NUMBER: LD8B80D010 ER8B809730 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3622.0	3622.0	3622.0	3622.0	3622.0	3622.0	3622.0	3622.0	3622.0	3622.0	3622.0
2.5°	3662.7	3660.9	3662.7	3664.4	3662.7	3660.9	3662.7	3664.4	3657.3	3655.6	3659.1
5°	3740.5	3740.5	3744.0	3745.8	3744.0	3740.5	3740.5	3733.4	3728.1	3722.8	3721.0
7.5°	3807.7	3811.2	3814.7	3816.5	3814.7	3811.2	3807.7	3797.0	3786.4	3777.6	3770.5
10°	3848.4	3853.7	3860.7	3864.2	3860.7	3853.7	3848.4	3836.0	3821.8	3807.7	3797.0
12.5°	3866.1	3871.4	3880.2	3878.4	3880.2	3871.4	3866.1	3848.4	3832.4	3813.0	3797.0
15°	3853.7	3860.7	3869.5	3873.1	3869.5	3860.7	3853.7	3836.0	3821.8	3800.6	3784.7
17.5°	3814.7	3825.4	3830.7	3836.0	3830.7	3825.4	3814.7	3800.6	3781.2	3763.5	3747.5
20°	3761.7	3768.8	3775.9	3777.6	3775.9	3768.8	3761.7	3745.8	3715.7	3712.2	3699.8
22.5°	3685.7	3691.0	3706.8	3701.5	3706.8	3691.0	3685.7	3671.5	3660.9	3641.4	3629.0
25°	3576.0	3581.3	3583.1	3584.8	3583.1	3581.3	3576.0	3563.6	3553.0	3538.8	3531.8
27.5°	3386.8	3386.8	3390.3	3392.1	3390.3	3386.8	3386.8	3377.9	3370.8	3363.8	3356.7
30°	3100.3	3100.3	3100.3	3109.1	3100.3	3100.3	3100.3	3098.5	3098.5	3100.3	3100.3
32.5°	2769.5	2766.0	2762.5	2766.0	2762.5	2766.0	2769.5	2771.3	2769.5	2774.9	2783.7
35°	2394.6	2392.8	2398.1	2391.1	2398.1	2392.8	2394.6	2394.6	2401.7	2408.8	2410.5
37.5°	2035.6	2032.1	2039.1	2032.1	2039.1	2032.1	2035.6	2033.8	2032.1	2035.6	2030.3
40°	1694.3	1697.8	1697.8	1712.0	1697.8	1697.8	1694.3	1690.7	1678.4	1671.3	1664.2
42.5°	1367.1	1377.7	1374.1	1384.8	1374.1	1377.7	1367.1	1360.0	1345.8	1333.5	1322.9
45°	1057.6	1064.7	1064.7	1068.2	1064.7	1064.7	1057.6	1050.5	1038.1	1027.5	1020.4
47.5°	811.7	811.7	811.7	813.6	811.7	811.7	811.7	799.4	795.9	788.8	779.9
50°	617.2	619.0	620.8	622.5	620.8	619.0	617.2	613.7	611.9	608.3	606.6
52.5°	474.0	475.7	472.2	475.7	472.2	475.7	474.0	475.7	470.4	470.4	468.7
55°	359.0	357.3	359.0	360.8	359.0	357.3	359.0	359.0	357.3	357.3	357.3
57.5°	263.5	259.9	259.9	259.9	259.9	259.9	263.5	261.8	267.1	263.5	265.3
60°	196.3	198.1	198.1	199.8	198.1	198.1	196.3	199.8	199.8	201.6	201.6
62.5°	145.0	150.3	146.8	150.3	146.8	150.3	145.0	146.8	146.8	148.6	150.3
65°	93.8	93.8	93.8	95.5	93.8	93.8	93.8	95.5	97.3	95.5	100.8
67.5°	63.7	65.4	69.0	67.2	69.0	65.4	63.7	65.4	65.4	70.8	69.0
70°	51.3	46.0	46.0	51.3	46.0	46.0	51.3	47.8	46.0	49.5	47.8
72.5°	30.1	26.5	30.1	30.1	30.1	26.5	30.1	26.5	28.3	28.3	31.8
75°	15.9	14.1	12.4	17.7	12.4	14.1	15.9	15.9	15.9	15.9	17.7
77.5°	10.6	8.8	12.4	12.4	12.4	8.8	10.6	8.8	10.6	8.8	10.6
80°	5.3	7.1	5.3	8.8	5.3	7.1	5.3	8.8	5.3	7.1	7.1
82.5°	1.7	3.6	3.6	3.6	3.6	3.6	1.7	1.7	3.6	3.6	1.7
85°	0.0	3.6	1.7	1.7	1.7	3.6	0.0	0.0	0.0	0.0	0.0
87.5°	1.7	0.0	0.0	1.7	0.0	0.0	1.7	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: P249075

CATALOG NUMBER: LD8B80D010 ER8B809730 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3622.0	3622.0	3622.0	3622.0	3622.0	3622.0	3622.0	3622.0	3622.0	3622.0	3622.0
2.5°	3659.1	3653.8	3655.6	3645.0	3645.0	3641.4	3643.2	3634.3	3630.9	3627.3	3632.6
5°	3712.2	3703.4	3696.2	3680.4	3671.5	3660.9	3655.6	3641.4	3629.0	3618.4	3616.7
7.5°	3754.6	3735.2	3722.8	3701.5	3685.7	3673.3	3655.6	3636.1	3620.2	3606.0	3595.5
10°	3772.3	3752.9	3733.4	3706.8	3689.2	3666.2	3648.5	3623.7	3602.5	3583.1	3570.7
12.5°	3774.0	3749.3	3731.6	3701.5	3678.5	3653.8	3634.3	3606.0	3581.3	3561.8	3542.4
15°	3758.2	3735.2	3713.9	3682.1	3659.1	3636.1	3613.2	3583.1	3560.1	3537.1	3523.0
17.5°	3722.8	3701.5	3676.8	3646.7	3625.5	3604.3	3579.5	3554.8	3528.2	3503.5	3485.8
20°	3676.8	3653.8	3632.6	3602.5	3584.8	3561.8	3538.8	3512.3	3491.1	3466.3	3446.9
22.5°	3607.8	3586.6	3567.2	3549.5	3521.1	3503.5	3487.6	3457.5	3436.3	3413.3	3392.1
25°	3508.8	3487.6	3471.6	3450.4	3438.0	3418.6	3402.6	3376.1	3356.7	3335.5	3317.8
27.5°	3346.1	3333.7	3324.8	3312.4	3301.9	3293.0	3284.2	3262.9	3248.8	3229.4	3211.7
30°	3102.0	3100.3	3094.9	3089.6	3096.7	3096.7	3096.7	3093.2	3080.8	3066.6	3054.2
32.5°	2789.0	2792.5	2799.6	2804.9	2819.0	2835.0	2849.1	2856.2	2856.2	2847.4	2842.0
35°	2415.8	2421.1	2431.8	2445.9	2463.6	2483.0	2514.8	2522.0	2527.2	2527.2	2520.2
37.5°	2028.5	2026.7	2037.4	2049.8	2060.4	2074.5	2097.5	2102.8	2111.6	2108.1	2101.0
40°	1651.8	1643.0	1639.4	1643.0	1655.4	1650.0	1655.4	1651.8	1651.8	1639.4	1639.4
42.5°	1303.4	1292.8	1285.7	1280.5	1280.5	1268.0	1259.2	1250.4	1245.1	1236.2	1234.5
45°	1004.6	992.1	983.3	979.7	974.5	958.6	947.9	937.3	924.9	921.4	923.2
47.5°	779.9	767.5	764.0	755.2	746.3	737.5	730.4	718.0	716.2	709.2	716.2
50°	601.3	597.8	592.5	588.9	583.6	576.5	569.5	562.4	558.8	558.8	560.6
52.5°	466.9	468.7	463.3	458.0	454.5	454.5	445.6	443.9	443.9	436.8	443.9
55°	357.3	355.5	357.3	353.7	353.7	348.4	348.4	343.1	343.1	337.8	341.3
57.5°	261.8	265.3	261.8	263.5	267.1	261.8	259.9	254.6	258.2	254.6	256.5
60°	203.4	203.4	203.4	201.6	201.6	199.8	199.8	198.1	198.1	194.5	198.1
62.5°	150.3	152.1	152.1	152.1	153.9	152.1	150.3	152.1	150.3	150.3	152.1
65°	99.1	100.8	100.8	99.1	102.6	99.1	100.8	102.6	104.3	102.6	104.3
67.5°	67.2	67.2	69.0	70.8	69.0	70.8	72.5	70.8	72.5	76.1	72.5
70°	49.5	51.3	51.3	49.5	47.8	49.5	47.8	53.1	53.1	53.1	56.6
72.5°	31.8	31.8	30.1	30.1	30.1	30.1	30.1	35.4	31.8	30.1	33.6
75°	17.7	19.4	19.4	14.1	15.9	19.4	14.1	15.9	21.3	17.7	21.3
77.5°	10.6	10.6	10.6	10.6	10.6	10.6	14.1	12.4	12.4	12.4	14.1
80°	8.8	7.1	7.1	5.3	7.1	7.1	7.1	10.6	8.8	8.8	10.6
82.5°	3.6	3.6	1.7	0.0	3.6	3.6	3.6	3.6	3.6	3.6	7.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	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: P249075

CATALOG NUMBER: LD8B80D010 ER8B809730 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3622.0	3622.0	3622.0	3622.0	3622.0	3622.0	3622.0	3622.0	3622.0	3622.0	3622.0
2.5°	3618.4	3618.4	3616.7	3613.2	3606.0	3606.0	3604.3	3599.0	3595.5	3593.7	3593.7
5°	3600.7	3593.7	3586.6	3567.2	3567.2	3563.6	3553.0	3545.9	3542.4	3533.5	3530.0
7.5°	3584.8	3563.6	3551.2	3538.8	3523.0	3515.8	3503.5	3498.1	3485.8	3477.0	3471.6
10°	3545.9	3531.8	3515.8	3496.4	3484.0	3469.9	3455.7	3445.2	3429.2	3420.3	3413.3
12.5°	3519.4	3498.1	3484.0	3462.8	3441.6	3429.2	3409.8	3397.4	3381.5	3363.8	3353.1
15°	3494.7	3471.6	3452.2	3429.2	3406.2	3392.1	3369.1	3355.0	3332.0	3314.3	3301.9
17.5°	3457.5	3438.0	3416.8	3388.5	3367.3	3349.6	3324.8	3307.2	3286.0	3262.9	3250.6
20°	3418.6	3395.6	3374.4	3346.1	3324.8	3303.6	3278.9	3259.5	3234.6	3213.4	3199.3
22.5°	3367.3	3340.8	3323.1	3294.8	3270.0	3247.1	3224.1	3201.1	3178.1	3160.4	3144.4
25°	3293.0	3264.7	3245.3	3222.3	3199.3	3181.6	3153.3	3139.2	3116.2	3100.3	3084.3
27.5°	3186.9	3165.7	3148.0	3125.0	3105.6	3091.4	3070.2	3056.1	3036.6	3022.4	3010.1
30°	3031.3	3013.6	2997.7	2974.7	2960.6	2948.2	2928.7	2916.3	2902.2	2886.2	2882.7
32.5°	2822.6	2808.4	2792.5	2776.6	2766.0	2758.9	2743.0	2735.9	2721.8	2712.9	2704.1
35°	2507.8	2495.4	2486.6	2479.5	2476.0	2477.7	2474.2	2481.3	2484.8	2483.0	2484.8
37.5°	2095.8	2088.6	2092.2	2097.5	2115.2	2138.2	2159.4	2191.2	2212.4	2233.7	2253.1
40°	1635.9	1641.2	1655.4	1687.2	1733.2	1784.5	1832.2	1892.4	1952.5	1994.9	2033.8
42.5°	1234.5	1250.4	1285.7	1331.7	1400.7	1476.7	1551.0	1639.4	1712.0	1782.7	1832.2
45°	928.5	949.7	995.7	1059.4	1135.4	1223.8	1317.6	1416.6	1503.3	1575.8	1630.6
47.5°	723.4	742.8	788.8	856.0	949.7	1041.7	1138.9	1241.5	1331.7	1402.5	1450.2
50°	571.2	596.0	636.7	707.4	801.2	898.4	999.3	1100.0	1185.0	1245.1	1287.5
52.5°	449.2	472.2	511.1	585.4	680.9	778.2	871.9	970.9	1045.2	1103.6	1131.9
55°	348.4	369.7	410.3	472.2	562.4	657.9	751.6	836.6	905.5	947.9	974.5
57.5°	265.3	281.2	309.5	371.4	452.8	541.2	620.8	705.7	758.7	788.8	806.4
60°	201.6	214.0	244.1	291.8	366.1	442.2	509.3	573.0	615.5	640.2	657.9
62.5°	152.1	166.3	187.4	228.1	284.7	346.6	403.2	451.0	486.3	502.3	514.7
65°	104.3	114.9	130.9	162.7	210.4	254.6	298.9	334.3	357.3	375.0	382.0
67.5°	77.8	84.9	93.8	118.5	152.1	187.4	217.5	242.3	267.1	274.1	286.5
70°	58.4	63.7	72.5	90.2	109.6	134.4	159.2	173.3	191.0	203.4	207.0
72.5°	37.1	38.9	47.8	58.4	74.3	90.2	106.1	118.5	129.1	136.2	139.7
75°	21.3	31.8	31.8	42.4	53.1	60.1	70.8	79.6	84.9	90.2	90.2
77.5°	14.1	19.4	21.3	26.5	31.8	40.7	49.5	54.8	60.1	61.9	61.9
80°	12.4	14.1	14.1	19.4	23.0	30.1	35.4	37.1	40.7	42.4	46.0
82.5°	5.3	7.1	8.8	14.1	15.9	15.9	21.3	23.0	26.5	28.3	28.3
85°	1.7	3.6	3.6	5.3	8.8	10.6	12.4	14.1	15.9	15.9	17.7
87.5°	1.7	1.7	0.0	1.7	3.6	3.6	7.1	7.1	7.1	10.6	10.6
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: P249075

CATALOG NUMBER: LD8B80D010 ER8B809730 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	3622.0	3622.0	3622.0	3622.0	3622.0	3622.0	3622.0
2.5°	3590.2	3591.9	3584.8	3583.1	3579.5	3581.3	3584.8
5°	3524.7	3526.5	3519.4	3512.3	3512.3	3510.5	3512.3
7.5°	3462.8	3464.6	3454.0	3450.4	3443.3	3445.2	3445.2
10°	3400.9	3400.9	3385.0	3383.2	3377.9	3376.1	3376.1
12.5°	3340.8	3335.5	3323.1	3316.0	3319.6	3309.0	3309.0
15°	3287.7	3278.9	3262.9	3257.6	3248.8	3245.3	3245.3
17.5°	3232.9	3225.8	3211.7	3201.1	3190.4	3188.7	3190.4
20°	3179.8	3172.8	3155.1	3148.0	3139.2	3139.2	3135.6
22.5°	3126.7	3119.7	3103.8	3098.5	3086.1	3086.1	3087.9
25°	3071.9	3066.6	3048.9	3045.4	3043.7	3036.6	3040.1
27.5°	2997.7	2994.1	2980.0	2974.7	2967.6	2965.9	2969.4
30°	2861.5	2856.2	2845.6	2840.3	2827.9	2829.7	2833.2
32.5°	2691.7	2684.7	2670.5	2665.2	2654.6	2651.0	2652.8
35°	2479.5	2474.2	2461.8	2461.8	2451.2	2447.6	2451.2
37.5°	2263.8	2269.0	2263.8	2269.0	2263.8	2261.9	2263.8
40°	2060.4	2079.8	2083.3	2102.8	2095.8	2106.3	2104.6
42.5°	1865.8	1897.6	1910.1	1925.9	1922.4	1929.5	1934.8
45°	1669.5	1696.0	1708.4	1719.0	1720.8	1724.4	1726.1
47.5°	1483.8	1505.0	1506.8	1519.2	1517.4	1517.4	1522.7
50°	1310.5	1324.6	1328.1	1337.0	1330.0	1326.4	1328.1
52.5°	1149.6	1163.7	1160.1	1163.7	1154.9	1151.3	1153.1
55°	985.1	992.1	992.1	992.1	981.6	981.6	981.6
57.5°	817.0	818.9	815.3	817.0	815.3	804.7	802.9
60°	663.2	663.2	661.4	663.2	657.9	652.6	652.6
62.5°	518.2	521.7	528.8	521.7	518.2	521.7	516.4
65°	387.3	394.4	392.6	396.1	394.4	394.4	390.8
67.5°	291.8	293.6	295.3	297.1	297.1	297.1	297.1
70°	214.0	219.3	217.5	217.5	217.5	217.5	228.1
72.5°	143.3	150.3	148.6	152.1	152.1	155.6	152.1
75°	97.3	104.3	100.8	106.1	104.3	100.8	109.6
77.5°	65.4	69.0	70.8	72.5	70.8	69.0	70.8
80°	46.0	49.5	47.8	49.5	49.5	49.5	51.3
82.5°	28.3	33.6	31.8	33.6	31.8	33.6	33.6
85°	19.4	21.3	17.7	21.3	19.4	19.4	23.0
87.5°	12.4	10.6	10.6	12.4	10.6	12.4	10.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)