

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: P248634

Luminaire Tested: **LD8B80D010 ER8B809727 8LBSW0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P248634  
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 ER8B809727 8LBSW0H  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
97 CRI 2700 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5828.0 lumens  
Efficiency: N/A  
Efficacy: 78.3 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

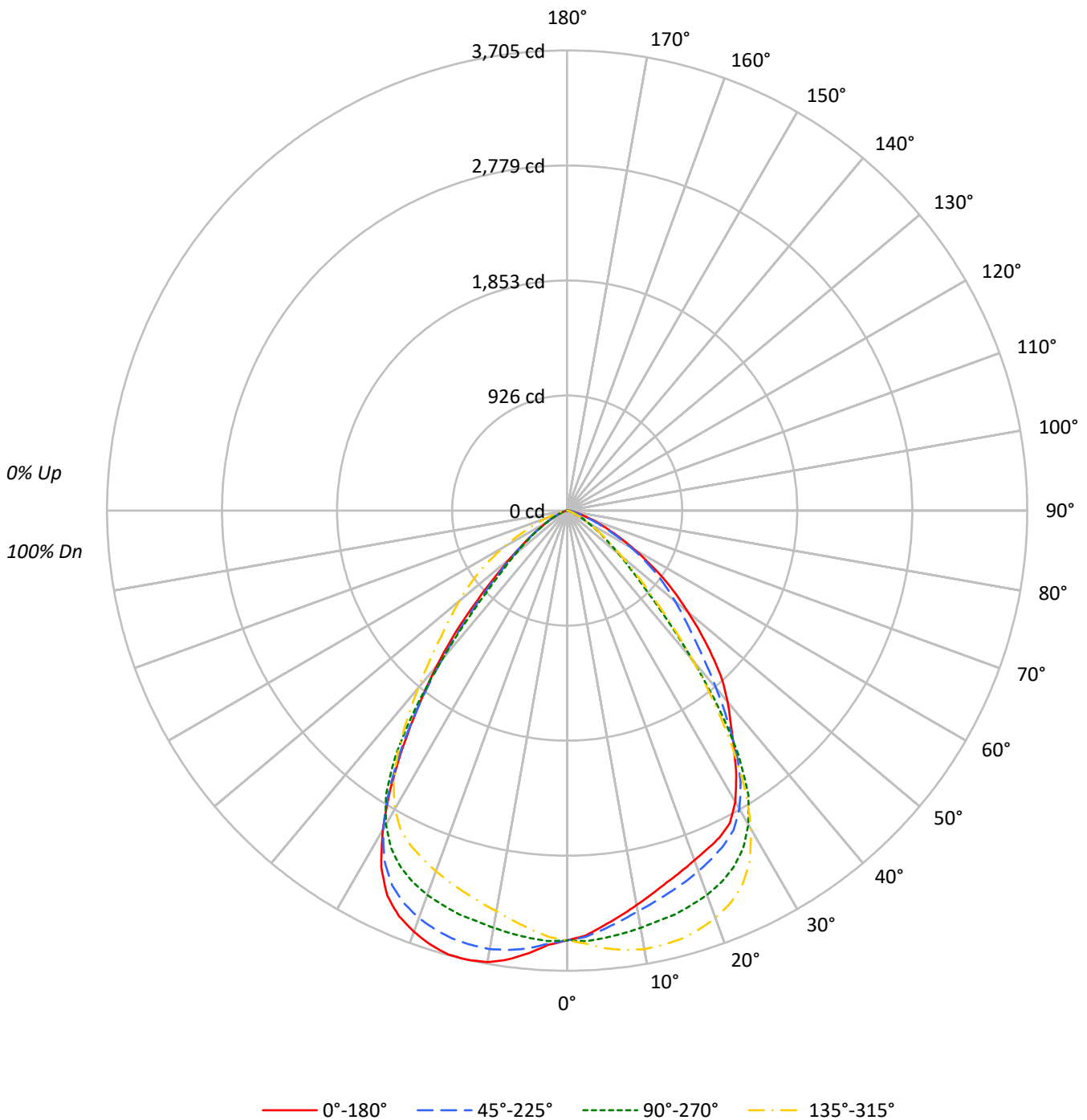
Input Watts (W): 74.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	329.3	5.7
10°-20°	953.6	16.4
20°-30°	1444.0	24.8
30°-40°	1447.3	24.8
40°-50°	908.8	15.6
50°-60°	484.3	8.3
60°-70°	199.2	3.4
70°-80°	52.6	0.9
80°-90°	8.9	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°	2727.0	46.8
0°-40°	4174.2	71.6
0°-60°	5567.3	95.5
0°-90°	5828.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5828.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3460	3460	3460	3460	3460	
5°	3355	3455	3578	3455	3355	316
15°	3100	3365	3700	3365	3100	877
25°	2904	3169	3424	3169	2904	1332
35°	2342	2407	2284	2407	2342	1467
45°	1649	882	1020	882	1649	1268
55°	938	326	345	326	938	836
65°	373	100	91	100	373	387
75°	105	20	17	20	105	119
85°	22	0	2	0	22	24
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°	3459.9	3459.9	3459.9	3459.9	3459.9	3459.9	3459.9	3459.9	3459.9	3459.9	3459.9
2.5°	3424.4	3421.0	3419.4	3422.8	3424.4	3431.2	3429.5	3432.8	3432.8	3434.6	3437.9
5°	3355.2	3353.4	3355.2	3355.2	3361.9	3368.7	3367.0	3372.1	3375.4	3383.9	3387.2
7.5°	3291.0	3291.0	3289.3	3296.0	3299.4	3309.6	3307.8	3316.3	3321.4	3329.8	3341.6
10°	3225.1	3225.1	3226.7	3231.8	3233.6	3248.7	3248.7	3260.5	3267.3	3275.8	3291.0
12.5°	3160.9	3160.9	3171.0	3167.6	3174.4	3186.2	3191.3	3203.1	3213.3	3230.1	3245.4
15°	3100.0	3100.0	3103.5	3111.9	3116.9	3132.2	3140.6	3154.1	3166.0	3182.9	3204.8
17.5°	3047.7	3046.0	3047.7	3057.8	3068.0	3081.5	3088.2	3105.1	3116.9	3138.9	3159.2
20°	2995.3	2998.7	2998.7	3007.1	3013.9	3030.8	3037.5	3056.2	3069.7	3089.9	3113.6
22.5°	2949.7	2948.0	2948.0	2959.9	2964.9	2980.1	2986.8	3003.7	3019.0	3035.9	3057.8
25°	2904.1	2900.7	2907.5	2909.2	2912.5	2929.4	2934.5	2946.3	2961.5	2976.8	2998.7
27.5°	2836.5	2833.2	2834.8	2841.6	2846.6	2860.1	2863.5	2875.4	2887.2	2900.7	2919.3
30°	2706.4	2703.1	2701.4	2713.2	2718.3	2728.4	2733.4	2753.7	2757.1	2772.3	2785.8
32.5°	2534.1	2532.4	2535.8	2545.9	2551.0	2564.5	2571.3	2583.1	2591.5	2600.0	2613.5
35°	2341.5	2338.1	2341.5	2351.7	2351.7	2363.5	2368.6	2373.6	2371.9	2373.6	2370.2
37.5°	2162.5	2160.7	2162.5	2167.5	2162.5	2167.5	2162.5	2152.3	2133.8	2113.4	2093.1
40°	2010.4	2012.1	2002.0	2008.7	1990.1	1986.8	1968.2	1942.8	1905.7	1865.1	1807.7
42.5°	1848.2	1843.2	1836.4	1839.7	1824.6	1812.7	1782.3	1750.3	1702.9	1635.4	1566.1
45°	1648.9	1647.2	1643.8	1642.1	1632.0	1620.2	1594.8	1557.6	1505.3	1436.0	1353.2
47.5°	1454.6	1449.5	1449.5	1451.2	1439.4	1437.7	1417.4	1385.3	1339.7	1272.1	1186.0
50°	1268.7	1267.0	1270.4	1277.2	1268.7	1265.4	1251.9	1229.9	1189.4	1131.9	1050.8
52.5°	1101.5	1099.8	1103.2	1111.6	1108.2	1111.6	1098.1	1081.2	1054.2	998.4	927.5
55°	937.6	937.6	937.6	947.7	947.7	947.7	941.0	930.9	905.5	865.0	799.1
57.5°	767.0	768.7	778.8	780.5	778.8	782.2	780.5	770.3	753.5	724.8	674.1
60°	623.4	623.4	628.5	633.6	631.8	633.6	633.6	628.5	611.6	587.9	547.4
62.5°	493.3	498.4	495.0	498.4	505.1	498.4	495.0	491.6	479.8	464.6	430.8
65°	373.3	376.8	376.8	378.4	375.0	376.8	370.0	364.9	358.2	341.3	319.3
67.5°	283.9	283.9	283.9	283.9	282.1	280.4	278.8	273.7	261.9	255.1	231.4
70°	217.9	207.8	207.8	207.8	207.8	209.5	204.4	197.7	194.3	182.5	165.6
72.5°	145.3	148.7	145.3	145.3	141.9	143.6	136.8	133.4	130.1	123.4	113.2
75°	104.7	96.3	99.6	101.4	96.3	99.6	92.9	86.2	86.2	81.1	76.0
77.5°	67.6	65.9	67.6	69.3	67.6	65.9	62.5	59.1	59.1	57.4	52.4
80°	49.0	47.3	47.3	47.3	45.6	47.3	43.9	43.9	40.5	38.9	35.5
82.5°	32.1	32.1	30.4	32.1	30.4	32.1	27.1	27.1	27.1	25.3	22.0
85°	22.0	18.6	18.6	20.3	16.9	20.3	18.6	16.9	15.2	15.2	13.5
87.5°	10.2	11.8	10.2	11.8	10.2	10.2	11.8	10.2	10.2	6.7	6.7
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°	3459.9	3459.9	3459.9	3459.9	3459.9	3459.9	3459.9	3459.9	3459.9	3459.9	3459.9
2.5°	3443.0	3444.7	3444.7	3451.5	3454.8	3456.5	3456.5	3470.1	3465.0	3468.4	3471.7
5°	3394.0	3404.1	3407.5	3407.5	3426.1	3432.8	3439.6	3454.8	3456.5	3466.6	3478.5
7.5°	3346.7	3358.5	3365.3	3380.5	3392.3	3404.1	3424.4	3434.6	3444.7	3458.2	3473.4
10°	3301.1	3314.6	3328.1	3339.9	3358.5	3373.7	3387.2	3410.9	3422.8	3441.3	3461.6
12.5°	3257.2	3275.8	3287.6	3307.8	3328.1	3341.6	3361.9	3383.9	3402.5	3421.0	3444.7
15°	3218.3	3240.3	3253.8	3275.8	3297.7	3316.3	3338.3	3365.3	3378.8	3400.8	3422.8
17.5°	3176.0	3199.8	3216.7	3236.9	3263.9	3284.2	3302.8	3329.8	3346.7	3370.3	3395.7
20°	3132.2	3155.8	3176.0	3196.4	3223.4	3243.6	3265.6	3292.7	3311.2	3334.9	3355.2
22.5°	3079.8	3101.8	3123.7	3147.3	3174.4	3191.3	3216.7	3240.3	3260.5	3282.5	3302.8
25°	3012.2	3039.3	3056.2	3078.1	3100.0	3118.6	3145.7	3169.3	3186.2	3206.5	3225.1
27.5°	2932.8	2953.1	2966.6	2985.2	3007.1	3024.0	3044.3	3068.0	3084.9	3103.5	3116.9
30°	2797.6	2816.3	2828.1	2841.6	2863.5	2878.8	2895.7	2917.6	2929.4	2943.0	2954.8
32.5°	2620.2	2635.5	2642.2	2652.4	2667.6	2682.7	2696.3	2714.9	2720.0	2728.4	2728.4
35°	2363.5	2366.8	2365.2	2368.6	2375.3	2383.7	2395.6	2407.4	2414.1	2414.1	2409.1
37.5°	2062.8	2042.5	2020.5	2003.6	1998.6	1995.2	2002.0	2007.0	2013.8	2017.1	2008.7
40°	1750.3	1704.6	1655.6	1611.7	1581.3	1567.8	1562.7	1566.1	1566.1	1577.9	1577.9
42.5°	1481.6	1410.6	1338.0	1272.1	1228.2	1194.4	1179.2	1179.2	1180.9	1189.4	1194.4
45°	1258.6	1169.1	1084.6	1012.0	951.1	907.2	886.9	881.9	880.2	883.5	895.4
47.5°	1088.0	995.1	907.2	817.7	753.5	709.6	691.0	684.2	677.4	684.2	685.9
50°	954.5	858.2	765.3	675.8	608.2	569.3	545.7	535.5	533.8	533.8	537.2
52.5°	832.8	743.4	650.5	559.2	488.2	451.1	429.1	424.0	417.3	424.0	424.0
55°	718.0	628.5	537.2	451.1	391.9	353.1	332.8	326.1	322.7	327.7	327.7
57.5°	593.0	516.9	432.5	354.8	295.7	268.6	253.4	245.0	243.2	246.6	243.2
60°	486.6	422.4	349.7	278.8	233.2	204.4	192.6	189.2	185.8	189.2	189.2
62.5°	385.2	331.1	272.0	217.9	179.1	158.8	145.3	145.3	143.6	143.6	145.3
65°	285.5	243.2	201.0	155.4	125.0	109.8	99.6	99.6	98.0	99.6	98.0
67.5°	207.8	179.1	145.3	113.2	89.6	81.1	74.3	69.3	72.7	69.3	67.6
70°	152.1	128.4	104.7	86.2	69.3	60.8	55.8	54.0	50.7	50.7	50.7
72.5°	101.4	86.2	70.9	55.8	45.6	37.1	35.5	32.1	28.7	30.4	33.8
75°	67.6	57.4	50.7	40.5	30.4	30.4	20.3	20.3	16.9	20.3	15.2
77.5°	47.3	38.9	30.4	25.3	20.3	18.6	13.5	13.5	11.8	11.8	11.8
80°	33.8	28.7	22.0	18.6	13.5	13.5	11.8	10.2	8.4	8.4	10.2
82.5°	20.3	15.2	15.2	13.5	8.4	6.7	5.1	6.7	3.4	3.4	3.4
85°	11.8	10.2	8.4	5.1	3.4	3.4	1.7	0.0	1.7	1.7	0.0
87.5°	6.7	3.4	3.4	1.7	0.0	1.7	1.7	0.0	0.0	0.0	3.4
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°	3459.9	3459.9	3459.9	3459.9	3459.9	3459.9	3459.9	3459.9	3459.9	3459.9	3459.9
2.5°	3480.2	3478.5	3481.9	3481.9	3492.0	3490.3	3495.4	3495.4	3492.0	3493.7	3500.4
5°	3492.0	3497.1	3507.2	3515.7	3530.8	3537.6	3546.1	3554.5	3556.2	3561.3	3566.4
7.5°	3492.0	3508.9	3520.7	3535.9	3556.2	3568.0	3586.6	3601.8	3608.6	3617.0	3627.1
10°	3485.2	3502.1	3524.1	3541.0	3566.4	3584.9	3603.5	3627.1	3637.3	3650.8	3664.3
12.5°	3471.7	3490.3	3513.9	3535.9	3564.6	3581.5	3605.2	3627.1	3642.4	3660.9	3676.2
15°	3451.5	3473.4	3495.4	3517.3	3547.7	3568.0	3590.0	3615.3	3630.5	3650.8	3664.3
17.5°	3419.4	3443.0	3463.3	3483.5	3512.3	3535.9	3556.2	3579.9	3595.1	3612.0	3630.5
20°	3380.5	3402.5	3424.4	3441.3	3470.1	3490.3	3512.3	3534.2	3546.1	3549.5	3578.2
22.5°	3331.5	3346.7	3363.6	3390.6	3407.5	3426.1	3446.4	3466.6	3478.5	3497.1	3507.2
25°	3250.4	3265.6	3284.2	3296.0	3316.3	3331.5	3351.8	3373.7	3380.5	3394.0	3404.1
27.5°	3137.2	3145.7	3154.1	3164.2	3176.0	3184.5	3196.4	3206.5	3213.3	3220.0	3226.7
30°	2958.1	2958.1	2958.1	2951.4	2956.4	2961.5	2963.2	2961.5	2961.5	2959.9	2959.9
32.5°	2721.6	2708.1	2692.9	2679.4	2674.3	2667.6	2664.2	2659.1	2650.7	2645.6	2647.3
35°	2402.3	2371.9	2353.4	2336.5	2323.0	2312.8	2307.7	2302.7	2301.0	2294.2	2287.4
37.5°	2003.6	1981.7	1968.2	1958.0	1946.2	1936.1	1937.7	1939.5	1944.5	1941.1	1942.8
40°	1581.3	1576.2	1581.3	1569.5	1566.1	1569.5	1577.9	1589.8	1596.5	1603.3	1615.1
42.5°	1202.9	1211.3	1223.2	1223.2	1228.2	1235.0	1245.1	1263.7	1273.8	1285.6	1299.2
45°	905.5	915.7	930.9	935.9	939.3	947.7	959.6	974.8	981.5	991.7	1003.5
47.5°	697.7	704.5	712.9	721.4	729.8	733.2	745.0	745.0	753.5	760.3	763.6
50°	544.0	550.7	557.5	562.6	566.0	571.0	574.4	579.5	581.1	584.5	586.2
52.5°	425.7	434.2	434.2	437.5	442.6	447.7	446.0	447.7	449.4	449.4	454.4
55°	332.8	332.8	337.9	337.9	341.3	339.6	341.3	341.3	341.3	341.3	343.0
57.5°	248.3	250.1	255.1	251.7	250.1	253.4	250.1	253.4	251.7	255.1	250.1
60°	190.9	190.9	192.6	192.6	194.3	194.3	194.3	192.6	192.6	190.9	190.9
62.5°	143.6	145.3	147.0	145.3	145.3	145.3	143.6	143.6	141.9	140.2	140.2
65°	96.3	94.6	98.0	94.6	96.3	96.3	94.6	96.3	91.2	92.9	91.2
67.5°	69.3	67.6	65.9	67.6	65.9	64.2	64.2	65.9	67.6	62.5	62.5
70°	45.6	47.3	45.6	47.3	49.0	49.0	47.3	45.6	47.3	43.9	45.6
72.5°	28.7	28.7	28.7	28.7	28.7	30.4	30.4	30.4	27.1	27.1	25.3
75°	13.5	18.6	15.2	13.5	18.6	18.6	16.9	16.9	15.2	15.2	15.2
77.5°	13.5	10.2	10.2	10.2	10.2	10.2	10.2	10.2	8.4	10.2	8.4
80°	6.7	6.7	6.7	5.1	6.7	6.7	8.4	6.7	6.7	5.1	8.4
82.5°	3.4	3.4	3.4	0.0	1.7	3.4	3.4	1.7	3.4	3.4	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: P248634

CATALOG NUMBER: LD8B80D010 ER8B809727 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3459.9	3459.9	3459.9	3459.9	3459.9	3459.9	3459.9	3459.9	3459.9	3459.9	3459.9
2.5°	3498.8	3497.1	3498.8	3500.4	3498.8	3497.1	3498.8	3500.4	3493.7	3492.0	3495.4
5°	3573.1	3573.1	3576.4	3578.2	3576.4	3573.1	3573.1	3566.4	3561.3	3556.2	3554.5
7.5°	3637.3	3640.7	3644.0	3645.7	3644.0	3640.7	3637.3	3627.1	3617.0	3608.6	3601.8
10°	3676.2	3681.2	3688.0	3691.3	3688.0	3681.2	3676.2	3664.3	3650.8	3637.3	3627.1
12.5°	3693.1	3698.1	3706.5	3704.9	3706.5	3698.1	3693.1	3676.2	3660.9	3642.4	3627.1
15°	3681.2	3688.0	3696.4	3699.8	3696.4	3688.0	3681.2	3664.3	3650.8	3630.5	3615.3
17.5°	3644.0	3654.2	3659.3	3664.3	3659.3	3654.2	3644.0	3630.5	3612.0	3595.1	3579.9
20°	3593.3	3600.2	3606.9	3608.6	3606.9	3600.2	3593.3	3578.2	3549.5	3546.1	3534.2
22.5°	3520.7	3525.8	3541.0	3535.9	3541.0	3525.8	3520.7	3507.2	3497.1	3478.5	3466.6
25°	3416.0	3421.0	3422.8	3424.4	3422.8	3421.0	3416.0	3404.1	3394.0	3380.5	3373.7
27.5°	3235.2	3235.2	3238.6	3240.3	3238.6	3235.2	3235.2	3226.7	3220.0	3213.3	3206.5
30°	2961.5	2961.5	2961.5	2970.0	2961.5	2961.5	2961.5	2959.9	2959.9	2961.5	2961.5
32.5°	2645.6	2642.2	2638.9	2642.2	2638.9	2642.2	2645.6	2647.3	2645.6	2650.7	2659.1
35°	2287.4	2285.8	2290.8	2284.1	2290.8	2285.8	2287.4	2287.4	2294.2	2301.0	2302.7
37.5°	1944.5	1941.1	1947.9	1941.1	1947.9	1941.1	1944.5	1942.8	1941.1	1944.5	1939.5
40°	1618.5	1621.8	1621.8	1635.4	1621.8	1621.8	1618.5	1615.1	1603.3	1596.5	1589.8
42.5°	1305.9	1316.1	1312.7	1322.8	1312.7	1316.1	1305.9	1299.2	1285.6	1273.8	1263.7
45°	1010.2	1017.1	1017.1	1020.4	1017.1	1017.1	1010.2	1003.5	991.7	981.5	974.8
47.5°	775.4	775.4	775.4	777.1	775.4	775.4	775.4	763.6	760.3	753.5	745.0
50°	589.6	591.3	593.0	594.7	593.0	591.3	589.6	586.2	584.5	581.1	579.5
52.5°	452.8	454.4	451.1	454.4	451.1	454.4	452.8	454.4	449.4	449.4	447.7
55°	343.0	341.3	343.0	344.6	343.0	341.3	343.0	343.0	341.3	341.3	341.3
57.5°	251.7	248.3	248.3	248.3	248.3	248.3	251.7	250.1	255.1	251.7	253.4
60°	187.5	189.2	189.2	190.9	189.2	189.2	187.5	190.9	190.9	192.6	192.6
62.5°	138.5	143.6	140.2	143.6	140.2	143.6	138.5	140.2	140.2	141.9	143.6
65°	89.6	89.6	89.6	91.2	89.6	89.6	89.6	91.2	92.9	91.2	96.3
67.5°	60.8	62.5	65.9	64.2	65.9	62.5	60.8	62.5	62.5	67.6	65.9
70°	49.0	43.9	43.9	49.0	43.9	43.9	49.0	45.6	43.9	47.3	45.6
72.5°	28.7	25.3	28.7	28.7	28.7	25.3	28.7	25.3	27.1	27.1	30.4
75°	15.2	13.5	11.8	16.9	11.8	13.5	15.2	15.2	15.2	15.2	16.9
77.5°	10.2	8.4	11.8	11.8	11.8	8.4	10.2	8.4	10.2	8.4	10.2
80°	5.1	6.7	5.1	8.4	5.1	6.7	5.1	8.4	5.1	6.7	6.7
82.5°	1.7	3.4	3.4	3.4	3.4	3.4	1.7	1.7	3.4	3.4	1.7
85°	0.0	3.4	1.7	1.7	1.7	3.4	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: P248634

CATALOG NUMBER: LD8B80D010 ER8B809727 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3459.9	3459.9	3459.9	3459.9	3459.9	3459.9	3459.9	3459.9	3459.9	3459.9	3459.9
2.5°	3495.4	3490.3	3492.0	3481.9	3481.9	3478.5	3480.2	3471.7	3468.4	3465.0	3470.1
5°	3546.1	3537.6	3530.8	3515.7	3507.2	3497.1	3492.0	3478.5	3466.6	3456.5	3454.8
7.5°	3586.6	3568.0	3556.2	3535.9	3520.7	3508.9	3492.0	3473.4	3458.2	3444.7	3434.6
10°	3603.5	3584.9	3566.4	3541.0	3524.1	3502.1	3485.2	3461.6	3441.3	3422.8	3410.9
12.5°	3605.2	3581.5	3564.6	3535.9	3513.9	3490.3	3471.7	3444.7	3421.0	3402.5	3383.9
15°	3590.0	3568.0	3547.7	3517.3	3495.4	3473.4	3451.5	3422.8	3400.8	3378.8	3365.3
17.5°	3556.2	3535.9	3512.3	3483.5	3463.3	3443.0	3419.4	3395.7	3370.3	3346.7	3329.8
20°	3512.3	3490.3	3470.1	3441.3	3424.4	3402.5	3380.5	3355.2	3334.9	3311.2	3292.7
22.5°	3446.4	3426.1	3407.5	3390.6	3363.6	3346.7	3331.5	3302.8	3282.5	3260.5	3240.3
25°	3351.8	3331.5	3316.3	3296.0	3284.2	3265.6	3250.4	3225.1	3206.5	3186.2	3169.3
27.5°	3196.4	3184.5	3176.0	3164.2	3154.1	3145.7	3137.2	3116.9	3103.5	3084.9	3068.0
30°	2963.2	2961.5	2956.4	2951.4	2958.1	2958.1	2958.1	2954.8	2943.0	2929.4	2917.6
32.5°	2664.2	2667.6	2674.3	2679.4	2692.9	2708.1	2721.6	2728.4	2728.4	2720.0	2714.9
35°	2307.7	2312.8	2323.0	2336.5	2353.4	2371.9	2402.3	2409.1	2414.1	2414.1	2407.4
37.5°	1937.7	1936.1	1946.2	1958.0	1968.2	1981.7	2003.6	2008.7	2017.1	2013.8	2007.0
40°	1577.9	1569.5	1566.1	1569.5	1581.3	1576.2	1581.3	1577.9	1577.9	1566.1	1566.1
42.5°	1245.1	1235.0	1228.2	1223.2	1223.2	1211.3	1202.9	1194.4	1189.4	1180.9	1179.2
45°	959.6	947.7	939.3	935.9	930.9	915.7	905.5	895.4	883.5	880.2	881.9
47.5°	745.0	733.2	729.8	721.4	712.9	704.5	697.7	685.9	684.2	677.4	684.2
50°	574.4	571.0	566.0	562.6	557.5	550.7	544.0	537.2	533.8	533.8	535.5
52.5°	446.0	447.7	442.6	437.5	434.2	434.2	425.7	424.0	424.0	417.3	424.0
55°	341.3	339.6	341.3	337.9	337.9	332.8	332.8	327.7	327.7	322.7	326.1
57.5°	250.1	253.4	250.1	251.7	255.1	250.1	248.3	243.2	246.6	243.2	245.0
60°	194.3	194.3	194.3	192.6	192.6	190.9	190.9	189.2	189.2	185.8	189.2
62.5°	143.6	145.3	145.3	145.3	147.0	145.3	143.6	145.3	143.6	143.6	145.3
65°	94.6	96.3	96.3	94.6	98.0	94.6	96.3	98.0	99.6	98.0	99.6
67.5°	64.2	64.2	65.9	67.6	65.9	67.6	69.3	67.6	69.3	72.7	69.3
70°	47.3	49.0	49.0	47.3	45.6	47.3	45.6	50.7	50.7	50.7	54.0
72.5°	30.4	30.4	28.7	28.7	28.7	28.7	28.7	33.8	30.4	28.7	32.1
75°	16.9	18.6	18.6	13.5	15.2	18.6	13.5	15.2	20.3	16.9	20.3
77.5°	10.2	10.2	10.2	10.2	10.2	10.2	13.5	11.8	11.8	11.8	13.5
80°	8.4	6.7	6.7	5.1	6.7	6.7	6.7	10.2	8.4	8.4	10.2
82.5°	3.4	3.4	1.7	0.0	3.4	3.4	3.4	3.4	3.4	3.4	6.7
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	3.4	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: P248634

CATALOG NUMBER: LD8B80D010 ER8B809727 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3459.9	3459.9	3459.9	3459.9	3459.9	3459.9	3459.9	3459.9	3459.9	3459.9	3459.9
2.5°	3456.5	3456.5	3454.8	3451.5	3444.7	3444.7	3443.0	3437.9	3434.6	3432.8	3432.8
5°	3439.6	3432.8	3426.1	3407.5	3407.5	3404.1	3394.0	3387.2	3383.9	3375.4	3372.1
7.5°	3424.4	3404.1	3392.3	3380.5	3365.3	3358.5	3346.7	3341.6	3329.8	3321.4	3316.3
10°	3387.2	3373.7	3358.5	3339.9	3328.1	3314.6	3301.1	3291.0	3275.8	3267.3	3260.5
12.5°	3361.9	3341.6	3328.1	3307.8	3287.6	3275.8	3257.2	3245.4	3230.1	3213.3	3203.1
15°	3338.3	3316.3	3297.7	3275.8	3253.8	3240.3	3218.3	3204.8	3182.9	3166.0	3154.1
17.5°	3302.8	3284.2	3263.9	3236.9	3216.7	3199.8	3176.0	3159.2	3138.9	3116.9	3105.1
20°	3265.6	3243.6	3223.4	3196.4	3176.0	3155.8	3132.2	3113.6	3089.9	3069.7	3056.2
22.5°	3216.7	3191.3	3174.4	3147.3	3123.7	3101.8	3079.8	3057.8	3035.9	3019.0	3003.7
25°	3145.7	3118.6	3100.0	3078.1	3056.2	3039.3	3012.2	2998.7	2976.8	2961.5	2946.3
27.5°	3044.3	3024.0	3007.1	2985.2	2966.6	2953.1	2932.8	2919.3	2900.7	2887.2	2875.4
30°	2895.7	2878.8	2863.5	2841.6	2828.1	2816.3	2797.6	2785.8	2772.3	2757.1	2753.7
32.5°	2696.3	2682.7	2667.6	2652.4	2642.2	2635.5	2620.2	2613.5	2600.0	2591.5	2583.1
35°	2395.6	2383.7	2375.3	2368.6	2365.2	2366.8	2363.5	2370.2	2373.6	2371.9	2373.6
37.5°	2002.0	1995.2	1998.6	2003.6	2020.5	2042.5	2062.8	2093.1	2113.4	2133.8	2152.3
40°	1562.7	1567.8	1581.3	1611.7	1655.6	1704.6	1750.3	1807.7	1865.1	1905.7	1942.8
42.5°	1179.2	1194.4	1228.2	1272.1	1338.0	1410.6	1481.6	1566.1	1635.4	1702.9	1750.3
45°	886.9	907.2	951.1	1012.0	1084.6	1169.1	1258.6	1353.2	1436.0	1505.3	1557.6
47.5°	691.0	709.6	753.5	817.7	907.2	995.1	1088.0	1186.0	1272.1	1339.7	1385.3
50°	545.7	569.3	608.2	675.8	765.3	858.2	954.5	1050.8	1131.9	1189.4	1229.9
52.5°	429.1	451.1	488.2	559.2	650.5	743.4	832.8	927.5	998.4	1054.2	1081.2
55°	332.8	353.1	391.9	451.1	537.2	628.5	718.0	799.1	865.0	905.5	930.9
57.5°	253.4	268.6	295.7	354.8	432.5	516.9	593.0	674.1	724.8	753.5	770.3
60°	192.6	204.4	233.2	278.8	349.7	422.4	486.6	547.4	587.9	611.6	628.5
62.5°	145.3	158.8	179.1	217.9	272.0	331.1	385.2	430.8	464.6	479.8	491.6
65°	99.6	109.8	125.0	155.4	201.0	243.2	285.5	319.3	341.3	358.2	364.9
67.5°	74.3	81.1	89.6	113.2	145.3	179.1	207.8	231.4	255.1	261.9	273.7
70°	55.8	60.8	69.3	86.2	104.7	128.4	152.1	165.6	182.5	194.3	197.7
72.5°	35.5	37.1	45.6	55.8	70.9	86.2	101.4	113.2	123.4	130.1	133.4
75°	20.3	30.4	30.4	40.5	50.7	57.4	67.6	76.0	81.1	86.2	86.2
77.5°	13.5	18.6	20.3	25.3	30.4	38.9	47.3	52.4	57.4	59.1	59.1
80°	11.8	13.5	13.5	18.6	22.0	28.7	33.8	35.5	38.9	40.5	43.9
82.5°	5.1	6.7	8.4	13.5	15.2	15.2	20.3	22.0	25.3	27.1	27.1
85°	1.7	3.4	3.4	5.1	8.4	10.2	11.8	13.5	15.2	15.2	16.9
87.5°	1.7	1.7	0.0	1.7	3.4	3.4	6.7	6.7	6.7	10.2	10.2
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: P248634

CATALOG NUMBER: LD8B80D010 ER8B809727 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	3459.9	3459.9	3459.9	3459.9	3459.9	3459.9	3459.9
2.5°	3429.5	3431.2	3424.4	3422.8	3419.4	3421.0	3424.4
5°	3367.0	3368.7	3361.9	3355.2	3355.2	3353.4	3355.2
7.5°	3307.8	3309.6	3299.4	3296.0	3289.3	3291.0	3291.0
10°	3248.7	3248.7	3233.6	3231.8	3226.7	3225.1	3225.1
12.5°	3191.3	3186.2	3174.4	3167.6	3171.0	3160.9	3160.9
15°	3140.6	3132.2	3116.9	3111.9	3103.5	3100.0	3100.0
17.5°	3088.2	3081.5	3068.0	3057.8	3047.7	3046.0	3047.7
20°	3037.5	3030.8	3013.9	3007.1	2998.7	2998.7	2995.3
22.5°	2986.8	2980.1	2964.9	2959.9	2948.0	2948.0	2949.7
25°	2934.5	2929.4	2912.5	2909.2	2907.5	2900.7	2904.1
27.5°	2863.5	2860.1	2846.6	2841.6	2834.8	2833.2	2836.5
30°	2733.4	2728.4	2718.3	2713.2	2701.4	2703.1	2706.4
32.5°	2571.3	2564.5	2551.0	2545.9	2535.8	2532.4	2534.1
35°	2368.6	2363.5	2351.7	2351.7	2341.5	2338.1	2341.5
37.5°	2162.5	2167.5	2162.5	2167.5	2162.5	2160.7	2162.5
40°	1968.2	1986.8	1990.1	2008.7	2002.0	2012.1	2010.4
42.5°	1782.3	1812.7	1824.6	1839.7	1836.4	1843.2	1848.2
45°	1594.8	1620.2	1632.0	1642.1	1643.8	1647.2	1648.9
47.5°	1417.4	1437.7	1439.4	1451.2	1449.5	1449.5	1454.6
50°	1251.9	1265.4	1268.7	1277.2	1270.4	1267.0	1268.7
52.5°	1098.1	1111.6	1108.2	1111.6	1103.2	1099.8	1101.5
55°	941.0	947.7	947.7	947.7	937.6	937.6	937.6
57.5°	780.5	782.2	778.8	780.5	778.8	768.7	767.0
60°	633.6	633.6	631.8	633.6	628.5	623.4	623.4
62.5°	495.0	498.4	505.1	498.4	495.0	498.4	493.3
65°	370.0	376.8	375.0	378.4	376.8	376.8	373.3
67.5°	278.8	280.4	282.1	283.9	283.9	283.9	283.9
70°	204.4	209.5	207.8	207.8	207.8	207.8	217.9
72.5°	136.8	143.6	141.9	145.3	145.3	148.7	145.3
75°	92.9	99.6	96.3	101.4	99.6	96.3	104.7
77.5°	62.5	65.9	67.6	69.3	67.6	65.9	67.6
80°	43.9	47.3	45.6	47.3	47.3	47.3	49.0
82.5°	27.1	32.1	30.4	32.1	30.4	32.1	32.1
85°	18.6	20.3	16.9	20.3	18.6	18.6	22.0
87.5°	11.8	10.2	10.2	11.8	10.2	11.8	10.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)