

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: SHAPER

Report Number: P368715

Luminaire Tested: **605-37-L4/827**

Issue Date: 11/13/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P368715  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33931)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 11/13/2019  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: SHAPER  
Catalog Number: 605-37-L4/827  
Description: 37" 605 SERIES LUMINOUS WALL SCONCE  
Light Source: 2700K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

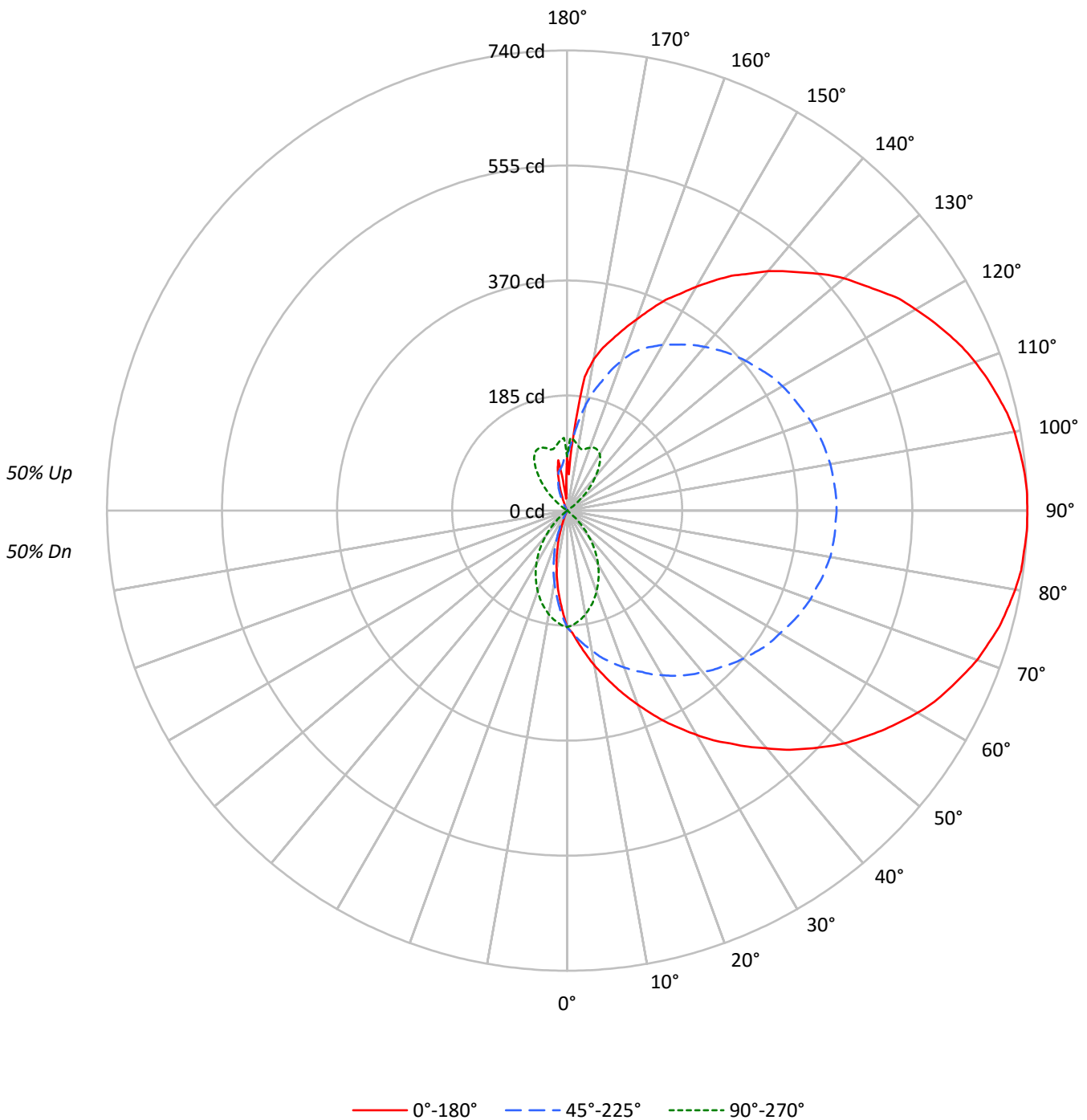
Lumens per Lamp: N/A  
Luminaire Lumens: 2243.5 lumens  
Efficiency: N/A  
Efficacy: 72.1 lumens/watt  
Spacing Criteria (0/90/45): 2.04 / 0.89 / 1.74  
Luminous Opening: Rectangular w/ Sides (W: 3.08' x L: 0.25' x H: 0.71')  
CIE Type: General Diffuse

Input Watts (W): 31.1  
Input Voltage (V): 120  
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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CATALOG NUMBER: 605-37-L4/827

### 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	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50
1	93	87	81	76	85	80	75	70	66	62	59	54	51	48	42	40	38	33
2	83	73	65	59	76	67	60	54	55	50	45	45	40	37	35	32	29	24
3	75	63	54	47	68	58	50	43	48	41	36	38	33	29	29	26	23	18
4	68	55	46	38	62	50	42	35	41	35	30	33	28	24	26	22	19	15
5	62	48	39	32	56	44	36	30	37	30	25	29	24	20	23	19	15	12
6	57	43	34	27	52	39	31	25	33	26	21	26	21	17	20	16	13	10
7	52	39	30	24	48	35	27	22	29	23	18	24	19	15	18	14	11	9
8	48	35	26	21	44	32	24	19	27	20	16	22	17	13	17	13	10	7
9	45	32	24	18	41	29	22	17	24	18	14	20	15	11	15	12	9	7
10	42	29	21	16	38	27	20	15	22	17	13	18	14	10	14	11	8	6

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°
0°	2617	2617	2617
5°	2414	2478	1583
10°	2393	2310	914
15°	2394	2114	481
20°	2428	1899	157
25°	2488	1662	0
30°	2548	1411	0
35°	2612	1140	0
40°	2693	821	0
45°	2792	498	0
50°	2891	123	0
55°	2977	0	0
60°	3076	0	0
65°	3166	0	0
70°	3262	0	0
75°	3355	0	0
80°	3447	0	0
85°	3540	0	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	16.9	0.8
10°-20°	46.8	2.1
20°-30°	71.3	3.2
30°-40°	98.6	4.4
40°-50°	128.8	5.7
50°-60°	158.7	7.1
60°-70°	184.8	8.2
70°-80°	204.3	9.1
80°-90°	214.8	9.6
90°-100°	214.9	9.6
100°-110°	204.8	9.1
110°-120°	186.0	8.3
120°-130°	161.0	7.2
130°-140°	131.7	5.9
140°-150°	101.0	4.5
150°-160°	70.2	3.1
160°-170°	38.8	1.7
170°-180°	10.3	0.5
0°-30°	135.0	6.0
0°-40°	233.6	10.4
0°-60°	521.0	23.2
0°-90°	1124.9	50.1
90°-120°	605.7	27.0
90°-150°	999.3	44.5
90°-180°	1119.0	49.9
0°-180°	2243.5	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	187	187	187	187	187	
5°	215	208	180	153	141	22
15°	291	250	155	82	58	84
25°	375	286	119	18	0	174
35°	457	324	78	0	0	289
45°	542	354	31	0	0	420
55°	617	384	0	0	0	554
65°	678	407	0	0	0	673
75°	720	424	0	0	0	760
85°	738	432	0	0	0	602
90°	740	433	0	0	0	406
95°	738	432	0	0	0	601
105°	716	425	0	0	0	757
115°	674	408	0	0	0	669
125°	615	388	2	0	0	552
135°	541	360	49	0	0	420
145°	461	326	91	0	0	290
155°	374	288	110	22	0	173
165°	286	215	102	55	54	83
175°	126	119	115	76	19	17
180°	87	87	87	87	87	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	187.4	187.4	187.4	187.4	187.4	187.4	187.4	187.4	187.4	187.4	187.4
2.5°	197.0	199.3	199.3	199.3	199.3	199.3	199.3	198.2	197.0	198.2	195.8
5°	214.9	216.1	217.3	214.9	216.1	214.9	212.5	211.3	210.1	207.7	206.5
7.5°	232.8	235.2	234.0	234.0	232.8	230.4	228.0	224.4	220.8	218.4	213.7
10°	253.1	254.3	253.1	253.1	249.5	247.1	243.5	237.5	234.0	228.0	223.2
12.5°	271.0	273.4	272.2	269.8	267.4	262.6	259.0	253.1	247.1	239.9	231.6
15°	291.3	292.5	290.1	287.7	284.1	279.3	273.4	265.0	257.8	249.5	239.9
17.5°	311.6	313.9	310.4	308.0	302.0	296.0	287.7	279.3	269.8	259.0	247.1
20°	331.9	333.0	329.5	327.1	321.1	312.8	303.2	292.5	281.7	268.6	255.5
22.5°	353.3	353.3	351.0	345.0	337.8	329.5	318.7	306.8	292.5	278.1	261.4
25°	374.8	372.4	372.4	364.1	356.9	347.4	333.0	319.9	304.4	286.5	268.6
27.5°	395.1	396.3	391.5	386.8	376.0	362.9	349.8	334.2	316.3	297.2	275.7
30°	416.6	417.8	414.2	405.9	393.9	382.0	365.3	347.4	328.3	305.6	282.9
32.5°	438.1	438.1	434.5	426.2	414.2	398.7	380.8	361.7	339.0	315.1	288.9
35°	457.2	459.6	453.6	444.1	432.1	415.4	395.1	373.6	349.8	323.5	294.8
37.5°	478.7	479.9	472.7	463.2	450.0	432.1	411.8	385.6	360.5	331.9	300.8
40°	499.0	501.4	494.2	483.5	467.9	448.8	425.0	399.9	370.1	339.0	305.6
42.5°	521.7	520.5	514.5	502.6	485.8	465.5	441.7	413.0	380.8	347.4	312.8
45°	541.9	540.8	533.6	521.7	503.7	481.1	454.8	425.0	391.5	354.5	317.5
47.5°	562.2	561.0	553.9	539.6	521.7	499.0	469.1	436.9	402.3	362.9	322.3
50°	582.5	581.3	570.6	557.5	537.2	512.1	482.3	448.8	410.6	370.1	327.1
52.5°	599.2	598.0	589.7	574.2	553.9	527.6	495.4	459.6	420.2	377.2	331.9
55°	617.1	616.0	606.4	590.9	569.4	541.9	508.5	470.3	428.5	384.4	336.6
57.5°	633.9	632.7	623.1	606.4	584.9	555.1	520.5	481.1	436.9	390.3	340.2
60°	650.6	648.2	637.4	619.5	595.7	567.0	530.0	490.6	444.1	395.1	343.8
62.5°	666.1	662.5	650.6	633.9	610.0	578.9	540.8	499.0	452.4	401.1	347.4
65°	678.0	675.6	664.9	647.0	621.9	589.7	551.5	507.3	459.6	407.1	351.0
67.5°	690.0	688.8	676.8	657.7	632.7	599.2	561.0	515.7	466.7	411.8	354.5
70°	701.9	698.3	686.4	667.3	641.0	607.6	567.0	521.7	471.5	416.6	358.1
72.5°	710.3	707.9	695.9	675.6	649.4	614.8	574.2	527.6	475.1	419.0	359.3
75°	719.8	716.2	704.3	684.0	656.5	621.9	580.1	533.6	481.1	423.8	362.9
77.5°	725.8	723.4	710.3	691.2	663.7	627.9	586.1	537.2	484.6	426.2	365.3
80°	731.7	728.2	715.0	695.9	667.3	632.7	589.7	541.9	488.2	429.7	367.7
82.5°	736.5	731.7	719.8	699.5	670.9	635.1	593.3	544.3	490.6	430.9	368.9
85°	737.7	734.1	722.2	700.7	673.3	636.2	594.5	545.5	491.8	432.1	368.9
87.5°	740.1	735.3	722.2	701.9	674.4	637.4	594.5	546.7	491.8	432.1	370.1
90°	740.1	736.5	723.4	703.1	674.4	638.6	595.7	546.7	493.0	433.3	371.2
92.5°	740.1	735.3	722.2	701.9	674.4	637.4	595.7	546.7	493.0	433.3	371.2
95°	737.7	731.7	719.8	699.5	672.1	636.2	593.3	544.3	490.6	432.1	370.1
97.5°	734.1	730.6	717.4	697.1	669.7	633.9	590.9	543.1	489.4	430.9	370.1
100°	730.6	724.6	712.6	693.5	666.1	630.3	588.5	540.8	488.2	429.7	368.9
102.5°	724.6	719.8	706.7	687.6	660.1	625.5	584.9	537.2	484.6	427.3	367.7
105°	716.2	711.5	700.7	680.4	654.2	619.5	578.9	532.4	481.1	425.0	365.3
107.5°	707.9	703.1	691.2	672.1	645.8	612.4	573.0	526.4	476.3	421.4	361.7
110°	698.3	693.5	682.8	662.5	637.4	604.0	565.8	520.5	471.5	417.8	360.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	687.6	681.6	669.7	651.8	626.7	594.5	557.5	514.5	465.5	413.0	358.1
115°	674.4	668.5	658.9	641.0	616.0	584.9	546.7	506.1	458.4	408.2	354.5
117.5°	661.3	657.7	645.8	629.1	605.2	575.4	539.6	499.0	453.6	404.7	353.3
120°	647.0	641.0	632.7	614.8	593.3	563.4	528.8	490.6	446.4	399.9	349.8
122.5°	633.9	626.7	617.1	602.8	578.9	551.5	519.3	482.3	440.5	395.1	347.4
125°	614.8	610.0	601.6	586.1	565.8	539.6	507.3	471.5	430.9	388.0	342.6
127.5°	596.9	592.1	583.7	569.4	549.1	525.2	494.2	459.6	422.6	380.8	337.8
130°	581.3	574.2	567.0	552.7	534.8	510.9	481.1	448.8	413.0	374.8	334.2
132.5°	562.2	557.5	549.1	536.0	519.3	495.4	470.3	439.3	404.7	367.7	329.5
135°	540.8	537.2	530.0	516.9	501.4	479.9	454.8	426.2	393.9	360.5	324.7
137.5°	521.7	516.9	510.9	497.8	484.6	463.2	440.5	413.0	383.2	352.1	318.7
140°	502.6	496.6	490.6	481.1	465.5	447.6	426.2	401.1	373.6	343.8	311.6
142.5°	479.9	476.3	471.5	460.8	447.6	432.1	410.6	388.0	362.9	335.4	305.6
145°	460.8	454.8	450.0	440.5	428.5	413.0	396.3	373.6	351.0	325.9	299.6
147.5°	438.1	434.5	429.7	421.4	409.4	396.3	379.6	360.5	339.0	316.3	293.7
150°	415.4	411.8	407.1	401.1	390.3	378.4	362.9	347.4	327.1	308.0	285.3
152.5°	392.7	391.5	388.0	379.6	372.4	360.5	347.4	331.9	315.1	297.2	279.3
155°	373.6	368.9	366.5	360.5	353.3	342.6	330.7	318.7	303.2	287.7	269.8
157.5°	349.8	347.4	343.8	339.0	333.0	323.5	315.1	302.0	290.1	274.6	257.8
160°	327.1	324.7	322.3	319.9	315.1	306.8	297.2	286.5	272.2	256.6	242.3
162.5°	306.8	304.4	303.2	300.8	296.0	290.1	278.1	266.2	250.7	237.5	223.2
165°	286.5	285.3	282.9	279.3	275.7	267.4	253.1	239.9	228.0	214.9	204.1
167.5°	268.6	265.0	263.8	257.8	248.3	236.4	224.4	213.7	204.1	195.8	186.2
170°	247.1	244.7	238.7	224.4	211.3	202.9	195.8	187.4	181.4	173.1	164.7
172.5°	217.3	207.7	195.8	183.8	175.5	173.1	165.9	161.2	154.0	146.8	138.5
175°	126.5	126.5	131.3	132.5	134.9	131.3	130.1	126.5	123.0	119.4	118.2
177.5°	58.5	58.5	71.6	82.4	87.1	91.9	91.9	95.5	99.1	102.7	107.4
180°	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	187.4	187.4	187.4	187.4	187.4	187.4	187.4	187.4	187.4	187.4	187.4
2.5°	194.6	193.4	192.2	189.8	188.6	187.4	186.2	185.0	182.6	181.4	180.3
5°	202.9	200.5	197.0	193.4	189.8	186.2	183.8	180.3	176.7	173.1	169.5
7.5°	210.1	205.3	200.5	194.6	189.8	185.0	180.3	175.5	169.5	164.7	160.0
10°	217.3	211.3	204.1	197.0	188.6	182.6	176.7	169.5	162.3	155.2	149.2
12.5°	224.4	216.1	206.5	198.2	188.6	180.3	171.9	162.3	154.0	145.6	138.5
15°	229.2	219.6	208.9	197.0	186.2	175.5	165.9	155.2	145.6	134.9	126.5
17.5°	235.2	223.2	210.1	197.0	183.8	170.7	160.0	146.8	136.1	124.1	114.6
20°	241.1	225.6	211.3	195.8	180.3	165.9	151.6	138.5	125.3	113.4	101.5
22.5°	245.9	229.2	211.3	193.4	175.5	160.0	144.4	128.9	114.6	101.5	88.3
25°	250.7	231.6	211.3	191.0	171.9	152.8	136.1	119.4	103.9	88.3	75.2
27.5°	255.5	234.0	211.3	188.6	167.1	146.8	127.7	109.8	91.9	76.4	62.1
30°	259.0	235.2	210.1	185.0	162.3	139.7	118.2	99.1	81.2	63.3	47.7
32.5°	262.6	236.4	210.1	181.4	156.4	132.5	109.8	88.3	69.2	51.3	34.6
35°	266.2	237.5	207.7	177.9	150.4	124.1	99.1	77.6	56.1	38.2	22.7
37.5°	268.6	237.5	205.3	173.1	143.2	114.6	89.5	65.7	44.2	25.1	8.4
40°	272.2	237.5	202.9	168.3	136.1	106.2	78.8	53.7	32.2	11.9	0.0
42.5°	274.6	237.5	200.5	164.7	130.1	97.9	68.0	43.0	19.1	0.0	0.0
45°	278.1	237.5	198.2	158.8	123.0	88.3	58.5	31.0	7.2	0.0	0.0
47.5°	281.7	238.7	195.8	155.2	115.8	80.0	47.7	19.1	0.0	0.0	0.0
50°	282.9	237.5	193.4	149.2	107.4	70.4	37.0	7.2	0.0	0.0	0.0
52.5°	285.3	237.5	189.8	144.4	100.3	60.9	25.1	0.0	0.0	0.0	0.0
55°	286.5	236.4	187.4	138.5	91.9	51.3	14.3	0.0	0.0	0.0	0.0
57.5°	288.9	236.4	183.8	133.7	84.8	41.8	3.6	0.0	0.0	0.0	0.0
60°	290.1	235.2	180.3	126.5	76.4	31.0	0.0	0.0	0.0	0.0	0.0
62.5°	291.3	234.0	177.9	121.8	69.2	21.5	0.0	0.0	0.0	0.0	0.0
65°	293.7	234.0	175.5	117.0	62.1	13.1	0.0	0.0	0.0	0.0	0.0
67.5°	294.8	234.0	173.1	112.2	54.9	3.6	0.0	0.0	0.0	0.0	0.0
70°	296.0	232.8	169.5	107.4	48.9	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	297.2	231.6	167.1	103.9	43.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	298.4	232.8	165.9	100.3	37.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	299.6	231.6	164.7	97.9	33.4	0.0	0.0	0.0	0.0	0.0	0.0
80°	300.8	232.8	164.7	95.5	29.8	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	302.0	234.0	164.7	95.5	28.6	0.0	0.0	0.0	0.0	0.0	0.0
85°	302.0	232.8	164.7	94.3	27.5	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	303.2	234.0	164.7	94.3	27.5	0.0	0.0	0.0	0.0	0.0	0.0
90°	304.4	235.2	165.9	95.5	28.6	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	304.4	235.2	165.9	96.7	29.8	0.0	0.0	0.0	0.0	0.0	0.0
95°	304.4	235.2	165.9	96.7	29.8	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	303.2	235.2	167.1	97.9	32.2	0.0	0.0	0.0	0.0	0.0	0.0
100°	303.2	236.4	168.3	100.3	35.8	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	303.2	237.5	170.7	105.0	41.8	0.0	0.0	0.0	0.0	0.0	0.0
105°	302.0	237.5	173.1	108.6	46.6	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	300.8	237.5	175.5	112.2	53.7	0.0	0.0	0.0	0.0	0.0	0.0
110°	300.8	239.9	177.9	118.2	60.9	8.4	0.0	0.0	0.0	0.0	0.0





TEST NUMBER: P368715  
 CATALOG NUMBER: 605-37-L4/827

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	299.6	239.9	181.4	123.0	68.0	17.9	0.0	0.0	0.0	0.0	0.0
115°	299.6	241.1	183.8	128.9	76.4	27.5	0.0	0.0	0.0	0.0	0.0
117.5°	299.6	244.7	188.6	136.1	84.8	39.4	0.0	0.0	0.0	0.0	0.0
120°	298.4	244.7	192.2	140.9	93.1	48.9	9.5	0.0	0.0	0.0	0.0
122.5°	298.4	247.1	197.0	148.0	101.5	59.7	21.5	0.0	0.0	0.0	0.0
125°	296.0	247.1	199.3	152.8	108.6	68.0	32.2	2.4	0.0	0.0	0.0
127.5°	293.7	248.3	202.9	158.8	117.0	77.6	43.0	14.3	0.0	0.0	0.0
130°	291.3	248.3	205.3	163.5	124.1	87.1	53.7	25.1	1.2	0.0	0.0
132.5°	290.1	249.5	208.9	169.5	132.5	96.7	65.7	38.2	13.1	0.0	0.0
135°	286.5	249.5	211.3	174.3	138.5	105.0	75.2	48.9	25.1	4.8	0.0
137.5°	282.9	248.3	212.5	177.9	144.4	113.4	84.8	59.7	35.8	16.7	0.0
140°	280.5	248.3	214.9	182.6	151.6	121.8	95.5	70.4	47.7	28.6	13.1
142.5°	276.9	247.1	216.1	186.2	157.6	130.1	103.9	81.2	59.7	40.6	25.1
145°	272.2	244.7	217.3	189.8	162.3	137.3	113.4	90.7	69.2	50.1	34.6
147.5°	268.6	244.7	217.3	193.4	168.3	144.4	121.8	99.1	77.6	59.7	45.4
150°	263.8	241.1	218.4	194.6	171.9	150.4	127.7	105.0	83.6	66.8	52.5
152.5°	259.0	237.5	216.1	195.8	174.3	154.0	132.5	108.6	87.1	71.6	59.7
155°	251.9	231.6	212.5	192.2	174.3	154.0	132.5	109.8	90.7	75.2	65.7
157.5°	241.1	222.0	205.3	187.4	169.5	149.2	128.9	109.8	93.1	78.8	70.4
160°	225.6	210.1	194.6	177.9	158.8	139.7	123.0	107.4	93.1	80.0	71.6
162.5°	211.3	197.0	181.4	165.9	146.8	128.9	115.8	105.0	93.1	82.4	72.8
165°	194.6	180.3	163.5	149.2	133.7	119.4	109.8	101.5	93.1	83.6	76.4
167.5°	175.5	160.0	148.0	136.1	123.0	114.6	107.4	101.5	94.3	87.1	82.4
170°	152.8	142.1	132.5	124.1	119.4	113.4	108.6	105.0	99.1	93.1	88.3
172.5°	131.3	127.7	123.0	120.6	118.2	115.8	112.2	109.8	106.2	101.5	96.7
175°	118.2	118.2	118.2	119.4	118.2	117.0	115.8	114.6	111.0	107.4	105.0
177.5°	111.0	113.4	117.0	118.2	118.2	118.2	118.2	117.0	115.8	113.4	111.0
180°	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1



TEST NUMBER: P368715  
 CATALOG NUMBER: 605-37-L4/827

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	187.4	187.4	187.4	187.4	187.4	187.4	187.4	187.4	187.4	187.4	187.4
2.5°	177.9	176.7	175.5	174.3	171.9	170.7	168.3	167.1	165.9	165.9	164.7
5°	167.1	163.5	161.2	158.8	155.2	152.8	150.4	148.0	145.6	143.2	142.1
7.5°	155.2	151.6	146.8	143.2	138.5	134.9	131.3	127.7	125.3	123.0	121.8
10°	143.2	137.3	132.5	127.7	121.8	117.0	113.4	109.8	106.2	103.9	101.5
12.5°	131.3	124.1	118.2	111.0	105.0	101.5	95.5	91.9	88.3	84.8	82.4
15°	118.2	109.8	103.9	95.5	89.5	82.4	78.8	74.0	69.2	65.7	63.3
17.5°	105.0	95.5	88.3	80.0	72.8	66.8	60.9	56.1	51.3	47.7	45.4
20°	90.7	81.2	71.6	63.3	56.1	48.9	43.0	38.2	33.4	29.8	27.5
22.5°	76.4	66.8	57.3	47.7	40.6	33.4	27.5	21.5	17.9	13.1	10.7
25°	63.3	51.3	41.8	32.2	25.1	17.9	10.7	6.0	1.2	0.0	0.0
27.5°	48.9	37.0	27.5	17.9	9.5	2.4	0.0	0.0	0.0	0.0	0.0
30°	34.6	22.7	11.9	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	21.5	9.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	7.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P368715  
 CATALOG NUMBER: 605-37-L4/827

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	10.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	22.7	9.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	32.2	20.3	9.5	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	40.6	31.0	21.5	11.9	3.6	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	47.7	39.4	31.0	23.9	16.7	9.5	3.6	1.2	0.0	0.0	0.0
155°	56.1	46.6	40.6	33.4	26.3	21.5	16.7	11.9	8.4	4.8	2.4
157.5°	63.3	54.9	47.7	41.8	37.0	32.2	27.5	25.1	21.5	17.9	15.5
160°	66.8	63.3	54.9	48.9	44.2	40.6	37.0	34.6	33.4	32.2	29.8
162.5°	68.0	65.7	62.1	56.1	51.3	47.7	45.4	44.2	43.0	43.0	44.2
165°	70.4	66.8	65.7	63.3	58.5	54.9	51.3	50.1	50.1	50.1	53.7
167.5°	77.6	71.6	68.0	65.7	64.5	63.3	59.7	56.1	53.7	53.7	56.1
170°	84.8	80.0	74.0	71.6	69.2	66.8	65.7	64.5	62.1	59.7	57.3
172.5°	93.1	89.5	83.6	78.8	74.0	70.4	68.0	68.0	66.8	64.5	63.3
175°	101.5	97.9	93.1	88.3	83.6	76.4	71.6	65.7	62.1	58.5	54.9
177.5°	108.6	106.2	102.7	97.9	93.1	87.1	80.0	72.8	64.5	53.7	41.8
180°	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1



TEST NUMBER: P368715  
 CATALOG NUMBER: 605-37-L4/827

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°
0°	187.4	187.4	187.4	187.4
2.5°	163.5	163.5	163.5	162.3
5°	140.9	140.9	139.7	140.9
7.5°	120.6	119.4	118.2	119.4
10°	99.1	97.9	97.9	96.7
12.5°	80.0	77.6	77.6	77.6
15°	60.9	58.5	58.5	58.5
17.5°	43.0	41.8	40.6	39.4
20°	25.1	23.9	22.7	21.5
22.5°	8.4	7.2	4.8	4.8
25°	0.0	0.0	0.0	0.0
27.5°	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0
32.5°	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0



TEST NUMBER: P368715  
 CATALOG NUMBER: 605-37-L4/827

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°
112.5°	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0
155°	1.2	0.0	0.0	0.0
157.5°	13.1	11.9	10.7	10.7
160°	27.5	25.1	23.9	22.7
162.5°	41.8	40.6	38.2	38.2
165°	56.1	54.9	54.9	53.7
167.5°	59.7	66.8	69.2	69.2
170°	57.3	62.1	71.6	82.4
172.5°	60.9	57.3	48.9	41.8
175°	47.7	35.8	23.9	19.1
177.5°	31.0	28.6	27.5	26.3
180°	87.1	87.1	87.1	87.1

(END OF REPORT)