

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: P368717

Luminaire Tested: **605-37-L4/835**

Issue Date: 11/13/2019

Test Information

Test Method: LM-79-08
Report Number: P368717
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-L4/835
Description: 37" 605 SERIES LUMINOUS WALL SCONCE
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

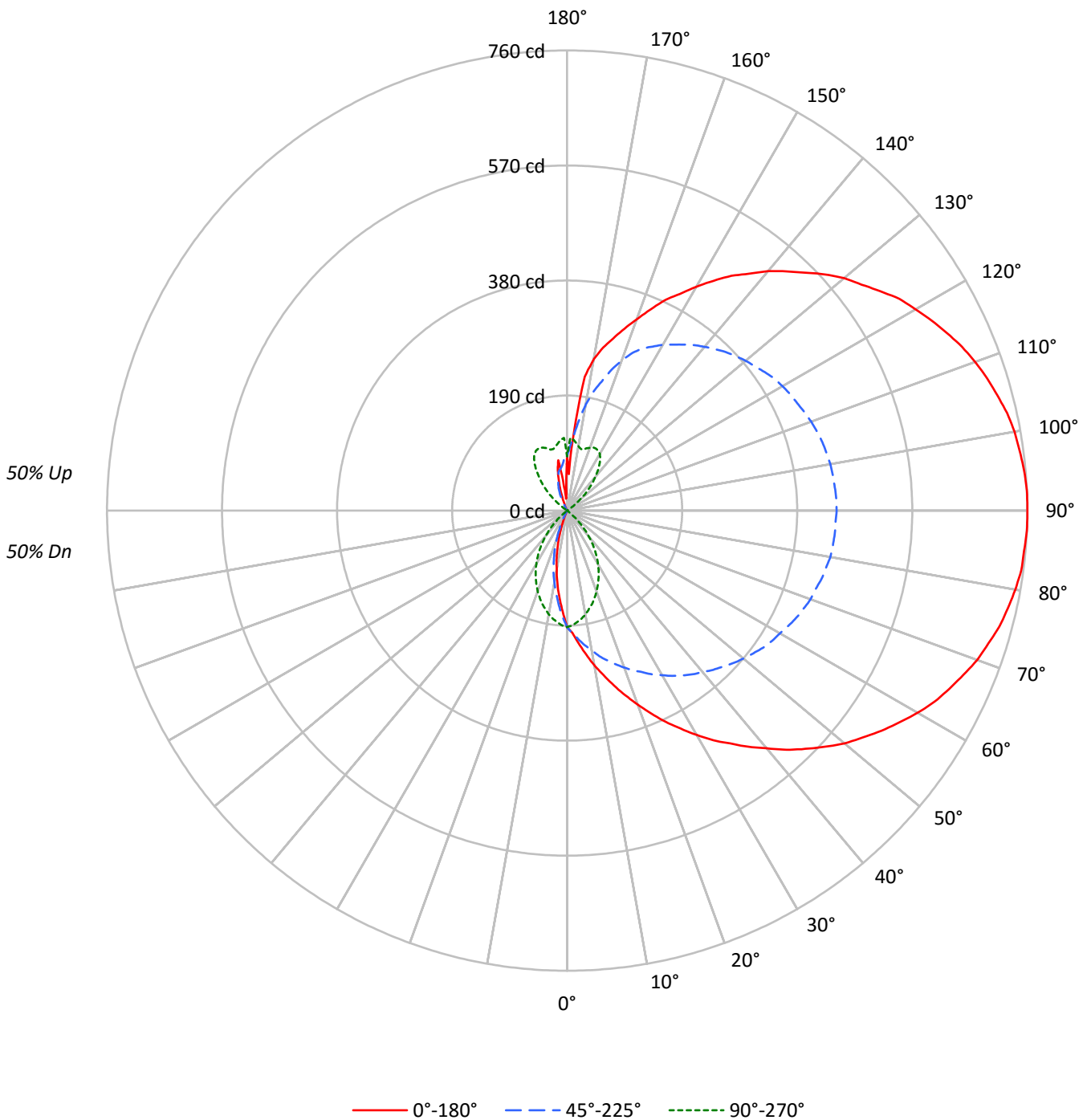
Lumens per Lamp: N/A
Luminaire Lumens: 2304.4 lumens
Efficiency: N/A
Efficacy: 74.1 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 0.89 / 1.74
Luminous Opening: Rectangular w/ Sides (W: 3.08' x L: 0.25' x H: 0.71')
CIE Type: General Diffuse

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-L4/835

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	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°	2688	2688	2688
5°	2479	2543	1625
10°	2457	2373	939
15°	2459	2171	494
20°	2493	1950	162
25°	2556	1706	0
30°	2618	1449	0
35°	2683	1170	0
40°	2766	844	0
45°	2867	512	0
50°	2970	126	0
55°	3058	0	0
60°	3159	0	0
65°	3252	0	0
70°	3351	0	0
75°	3446	0	0
80°	3541	0	0
85°	3636	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.4	0.8
10°-20°	48.1	2.1
20°-30°	73.2	3.2
30°-40°	101.2	4.4
40°-50°	132.2	5.7
50°-60°	163.0	7.1
60°-70°	189.8	8.2
70°-80°	209.8	9.1
80°-90°	220.6	9.6
90°-100°	220.7	9.6
100°-110°	210.4	9.1
110°-120°	191.0	8.3
120°-130°	165.3	7.2
130°-140°	135.2	5.9
140°-150°	103.7	4.5
150°-160°	72.1	3.1
160°-170°	39.9	1.7
170°-180°	10.6	0.5
0°-30°	138.7	6.0
0°-40°	239.9	10.4
0°-60°	535.1	23.2
0°-90°	1155.4	50.1
90°-120°	622.1	27.0
90°-150°	1026.4	44.5
90°-180°	1149.0	49.9
0°-180°	2304.4	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	192	192	192	192	192	
5°	221	213	185	157	145	22
15°	299	256	159	85	60	86
25°	385	294	123	18	0	179
35°	470	332	80	0	0	297
45°	557	364	32	0	0	432
55°	634	395	0	0	0	569
65°	696	418	0	0	0	691
75°	739	435	0	0	0	780
85°	758	444	0	0	0	618
90°	760	445	0	0	0	417
95°	758	444	0	0	0	617
105°	736	436	0	0	0	778
115°	693	419	0	0	0	687
125°	631	398	2	0	0	567
135°	555	370	50	0	0	432
145°	473	335	93	0	0	298
155°	384	296	113	22	0	178
165°	294	221	104	56	55	85
175°	130	123	118	78	20	17
180°	90	90	90	90	90	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	192.5	192.5	192.5	192.5	192.5	192.5	192.5	192.5	192.5	192.5	192.5
2.5°	202.3	204.8	204.8	204.8	204.8	204.8	204.8	203.5	202.3	203.5	201.1
5°	220.7	221.9	223.1	220.7	221.9	220.7	218.2	217.0	215.8	213.3	212.1
7.5°	239.1	241.5	240.3	240.3	239.1	236.6	234.2	230.5	226.8	224.4	219.5
10°	259.9	261.2	259.9	259.9	256.2	253.8	250.1	244.0	240.3	234.2	229.3
12.5°	278.3	280.8	279.5	277.1	274.6	269.7	266.1	259.9	253.8	246.4	237.9
15°	299.2	300.4	297.9	295.5	291.8	286.9	280.8	272.2	264.8	256.2	246.4
17.5°	320.0	322.5	318.8	316.3	310.2	304.1	295.5	286.9	277.1	266.1	253.8
20°	340.8	342.1	338.4	335.9	329.8	321.2	311.4	300.4	289.4	275.9	262.4
22.5°	362.9	362.9	360.5	354.3	347.0	338.4	327.4	315.1	300.4	285.7	268.5
25°	385.0	382.5	382.5	374.0	366.6	356.8	342.1	328.6	312.6	294.3	275.9
27.5°	405.8	407.1	402.2	397.2	386.2	372.7	359.2	343.3	324.9	305.3	283.2
30°	427.9	429.1	425.4	416.9	404.6	392.3	375.2	356.8	337.2	313.9	290.6
32.5°	450.0	450.0	446.3	437.7	425.4	409.5	391.1	371.5	348.2	323.7	296.7
35°	469.6	472.0	465.9	456.1	443.8	426.7	405.8	383.8	359.2	332.3	302.8
37.5°	491.7	492.9	485.5	475.7	462.2	443.8	423.0	396.0	370.3	340.8	309.0
40°	512.5	515.0	507.6	496.6	480.6	461.0	436.5	410.7	380.1	348.2	313.9
42.5°	535.8	534.6	528.4	516.2	499.0	478.2	453.6	424.2	391.1	356.8	321.2
45°	556.6	555.4	548.1	535.8	517.4	494.1	467.1	436.5	402.2	364.1	326.1
47.5°	577.5	576.3	568.9	554.2	535.8	512.5	481.8	448.7	413.2	372.7	331.0
50°	598.3	597.1	586.1	572.6	551.7	526.0	495.3	461.0	421.8	380.1	335.9
52.5°	615.5	614.3	605.7	589.7	568.9	541.9	508.8	472.0	431.6	387.4	340.8
55°	633.9	632.7	622.8	606.9	584.8	556.6	522.3	483.1	440.2	394.8	345.8
57.5°	651.0	649.8	640.0	622.8	600.8	570.1	534.6	494.1	448.7	400.9	349.4
60°	668.2	665.8	654.7	636.3	611.8	582.4	544.4	503.9	456.1	405.8	353.1
62.5°	684.1	680.5	668.2	651.0	626.5	594.6	555.4	512.5	464.7	412.0	356.8
65°	696.4	694.0	682.9	664.5	638.8	605.7	566.4	521.1	472.0	418.1	360.5
67.5°	708.7	707.4	695.2	675.6	649.8	615.5	576.3	529.7	479.4	423.0	364.1
70°	720.9	717.3	705.0	685.4	658.4	624.1	582.4	535.8	484.3	427.9	367.8
72.5°	729.5	727.1	714.8	694.0	667.0	631.4	589.7	541.9	488.0	430.4	369.0
75°	739.3	735.6	723.4	702.5	674.3	638.8	595.9	548.1	494.1	435.3	372.7
77.5°	745.5	743.0	729.5	709.9	681.7	644.9	602.0	551.7	497.8	437.7	375.2
80°	751.6	747.9	734.4	714.8	685.4	649.8	605.7	556.6	501.5	441.4	377.6
82.5°	756.5	751.6	739.3	718.5	689.1	652.3	609.4	559.1	503.9	442.6	378.9
85°	757.7	754.0	741.8	719.7	691.5	653.5	610.6	560.3	505.1	443.8	378.9
87.5°	760.2	755.3	741.8	720.9	692.7	654.7	610.6	561.5	505.1	443.8	380.1
90°	760.2	756.5	743.0	722.2	692.7	655.9	611.8	561.5	506.4	445.1	381.3
92.5°	760.2	755.3	741.8	720.9	692.7	654.7	611.8	561.5	506.4	445.1	381.3
95°	757.7	751.6	739.3	718.5	690.3	653.5	609.4	559.1	503.9	443.8	380.1
97.5°	754.0	750.4	736.9	716.0	687.8	651.0	606.9	557.9	502.7	442.6	380.1
100°	750.4	744.2	732.0	712.3	684.1	647.4	604.5	555.4	501.5	441.4	378.9
102.5°	744.2	739.3	725.8	706.2	678.0	642.5	600.8	551.7	497.8	438.9	377.6
105°	735.6	730.7	719.7	698.9	671.9	636.3	594.6	546.8	494.1	436.5	375.2
107.5°	727.1	722.2	709.9	690.3	663.3	629.0	588.5	540.7	489.2	432.8	371.5
110°	717.3	712.3	701.3	680.5	654.7	620.4	581.2	534.6	484.3	429.1	370.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	706.2	700.1	687.8	669.4	643.7	610.6	572.6	528.4	478.2	424.2	367.8
115°	692.7	686.6	676.8	658.4	632.7	600.8	561.5	519.9	470.8	419.3	364.1
117.5°	679.2	675.6	663.3	646.1	621.6	591.0	554.2	512.5	465.9	415.6	362.9
120°	664.5	658.4	649.8	631.4	609.4	578.7	543.2	503.9	458.6	410.7	359.2
122.5°	651.0	643.7	633.9	619.2	594.6	566.4	533.3	495.3	452.4	405.8	356.8
125°	631.4	626.5	617.9	602.0	581.2	554.2	521.1	484.3	442.6	398.5	351.9
127.5°	613.0	608.1	599.5	584.8	564.0	539.5	507.6	472.0	434.0	391.1	347.0
130°	597.1	589.7	582.4	567.7	549.3	524.8	494.1	461.0	424.2	385.0	343.3
132.5°	577.5	572.6	564.0	550.5	533.3	508.8	483.1	451.2	415.6	377.6	338.4
135°	555.4	551.7	544.4	530.9	515.0	492.9	467.1	437.7	404.6	370.3	333.5
137.5°	535.8	530.9	524.8	511.3	497.8	475.7	452.4	424.2	393.6	361.7	327.4
140°	516.2	510.0	503.9	494.1	478.2	459.8	437.7	412.0	383.8	353.1	320.0
142.5°	492.9	489.2	484.3	473.3	459.8	443.8	421.8	398.5	372.7	344.5	313.9
145°	473.3	467.1	462.2	452.4	440.2	424.2	407.1	383.8	360.5	334.7	307.7
147.5°	450.0	446.3	441.4	432.8	420.5	407.1	389.9	370.3	348.2	324.9	301.6
150°	426.7	423.0	418.1	412.0	400.9	388.7	372.7	356.8	335.9	316.3	293.0
152.5°	403.4	402.2	398.5	389.9	382.5	370.3	356.8	340.8	323.7	305.3	286.9
155°	383.8	378.9	376.4	370.3	362.9	351.9	339.6	327.4	311.4	295.5	277.1
157.5°	359.2	356.8	353.1	348.2	342.1	332.3	323.7	310.2	297.9	282.0	264.8
160°	335.9	333.5	331.0	328.6	323.7	315.1	305.3	294.3	279.5	263.6	248.9
162.5°	315.1	312.6	311.4	309.0	304.1	297.9	285.7	273.4	257.5	244.0	229.3
165°	294.3	293.0	290.6	286.9	283.2	274.6	259.9	246.4	234.2	220.7	209.7
167.5°	275.9	272.2	271.0	264.8	255.0	242.8	230.5	219.5	209.7	201.1	191.3
170°	253.8	251.3	245.2	230.5	217.0	208.4	201.1	192.5	186.4	177.8	169.2
172.5°	223.1	213.3	201.1	188.8	180.2	177.8	170.4	165.5	158.2	150.8	142.2
175°	130.0	130.0	134.9	136.1	138.5	134.9	133.6	130.0	126.3	122.6	121.4
177.5°	60.1	60.1	73.6	84.6	89.5	94.4	94.4	98.1	101.8	105.4	110.3
180°	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	192.5	192.5	192.5	192.5	192.5	192.5	192.5	192.5	192.5	192.5	192.5
2.5°	199.8	198.6	197.4	194.9	193.7	192.5	191.3	190.0	187.6	186.4	185.1
5°	208.4	206.0	202.3	198.6	194.9	191.3	188.8	185.1	181.5	177.8	174.1
7.5°	215.8	210.9	206.0	199.8	194.9	190.0	185.1	180.2	174.1	169.2	164.3
10°	223.1	217.0	209.7	202.3	193.7	187.6	181.5	174.1	166.7	159.4	153.3
12.5°	230.5	221.9	212.1	203.5	193.7	185.1	176.6	166.7	158.2	149.6	142.2
15°	235.4	225.6	214.6	202.3	191.3	180.2	170.4	159.4	149.6	138.5	130.0
17.5°	241.5	229.3	215.8	202.3	188.8	175.3	164.3	150.8	139.8	127.5	117.7
20°	247.7	231.7	217.0	201.1	185.1	170.4	155.7	142.2	128.7	116.5	104.2
22.5°	252.6	235.4	217.0	198.6	180.2	164.3	148.4	132.4	117.7	104.2	90.7
25°	257.5	237.9	217.0	196.2	176.6	156.9	139.8	122.6	106.7	90.7	77.2
27.5°	262.4	240.3	217.0	193.7	171.7	150.8	131.2	112.8	94.4	78.5	63.8
30°	266.1	241.5	215.8	190.0	166.7	143.5	121.4	101.8	83.4	65.0	49.0
32.5°	269.7	242.8	215.8	186.4	160.6	136.1	112.8	90.7	71.1	52.7	35.6
35°	273.4	244.0	213.3	182.7	154.5	127.5	101.8	79.7	57.6	39.2	23.3
37.5°	275.9	244.0	210.9	177.8	147.1	117.7	92.0	67.4	45.4	25.7	8.6
40°	279.5	244.0	208.4	172.9	139.8	109.1	80.9	55.2	33.1	12.3	0.0
42.5°	282.0	244.0	206.0	169.2	133.6	100.5	69.9	44.1	19.6	0.0	0.0
45°	285.7	244.0	203.5	163.1	126.3	90.7	60.1	31.9	7.4	0.0	0.0
47.5°	289.4	245.2	201.1	159.4	118.9	82.1	49.0	19.6	0.0	0.0	0.0
50°	290.6	244.0	198.6	153.3	110.3	72.3	38.0	7.4	0.0	0.0	0.0
52.5°	293.0	244.0	194.9	148.4	103.0	62.5	25.7	0.0	0.0	0.0	0.0
55°	294.3	242.8	192.5	142.2	94.4	52.7	14.7	0.0	0.0	0.0	0.0
57.5°	296.7	242.8	188.8	137.3	87.1	42.9	3.7	0.0	0.0	0.0	0.0
60°	297.9	241.5	185.1	130.0	78.5	31.9	0.0	0.0	0.0	0.0	0.0
62.5°	299.2	240.3	182.7	125.1	71.1	22.1	0.0	0.0	0.0	0.0	0.0
65°	301.6	240.3	180.2	120.2	63.8	13.5	0.0	0.0	0.0	0.0	0.0
67.5°	302.8	240.3	177.8	115.3	56.4	3.7	0.0	0.0	0.0	0.0	0.0
70°	304.1	239.1	174.1	110.3	50.3	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	305.3	237.9	171.7	106.7	44.1	0.0	0.0	0.0	0.0	0.0	0.0
75°	306.5	239.1	170.4	103.0	38.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	307.7	237.9	169.2	100.5	34.3	0.0	0.0	0.0	0.0	0.0	0.0
80°	309.0	239.1	169.2	98.1	30.7	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	310.2	240.3	169.2	98.1	29.4	0.0	0.0	0.0	0.0	0.0	0.0
85°	310.2	239.1	169.2	96.9	28.2	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	311.4	240.3	169.2	96.9	28.2	0.0	0.0	0.0	0.0	0.0	0.0
90°	312.6	241.5	170.4	98.1	29.4	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	312.6	241.5	170.4	99.3	30.7	0.0	0.0	0.0	0.0	0.0	0.0
95°	312.6	241.5	170.4	99.3	30.7	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	311.4	241.5	171.7	100.5	33.1	0.0	0.0	0.0	0.0	0.0	0.0
100°	311.4	242.8	172.9	103.0	36.8	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	311.4	244.0	175.3	107.9	42.9	0.0	0.0	0.0	0.0	0.0	0.0
105°	310.2	244.0	177.8	111.6	47.8	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	309.0	244.0	180.2	115.3	55.2	0.0	0.0	0.0	0.0	0.0	0.0
110°	309.0	246.4	182.7	121.4	62.5	8.6	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P368717
 CATALOG NUMBER: 605-37-L4/835

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	307.7	246.4	186.4	126.3	69.9	18.4	0.0	0.0	0.0	0.0	0.0
115°	307.7	247.7	188.8	132.4	78.5	28.2	0.0	0.0	0.0	0.0	0.0
117.5°	307.7	251.3	193.7	139.8	87.1	40.5	0.0	0.0	0.0	0.0	0.0
120°	306.5	251.3	197.4	144.7	95.6	50.3	9.8	0.0	0.0	0.0	0.0
122.5°	306.5	253.8	202.3	152.0	104.2	61.3	22.1	0.0	0.0	0.0	0.0
125°	304.1	253.8	204.8	156.9	111.6	69.9	33.1	2.5	0.0	0.0	0.0
127.5°	301.6	255.0	208.4	163.1	120.2	79.7	44.1	14.7	0.0	0.0	0.0
130°	299.2	255.0	210.9	168.0	127.5	89.5	55.2	25.7	1.2	0.0	0.0
132.5°	297.9	256.2	214.6	174.1	136.1	99.3	67.4	39.2	13.5	0.0	0.0
135°	294.3	256.2	217.0	179.0	142.2	107.9	77.2	50.3	25.7	4.9	0.0
137.5°	290.6	255.0	218.2	182.7	148.4	116.5	87.1	61.3	36.8	17.2	0.0
140°	288.1	255.0	220.7	187.6	155.7	125.1	98.1	72.3	49.0	29.4	13.5
142.5°	284.4	253.8	221.9	191.3	161.8	133.6	106.7	83.4	61.3	41.7	25.7
145°	279.5	251.3	223.1	194.9	166.7	141.0	116.5	93.2	71.1	51.5	35.6
147.5°	275.9	251.3	223.1	198.6	172.9	148.4	125.1	101.8	79.7	61.3	46.6
150°	271.0	247.7	224.4	199.8	176.6	154.5	131.2	107.9	85.8	68.7	53.9
152.5°	266.1	244.0	221.9	201.1	179.0	158.2	136.1	111.6	89.5	73.6	61.3
155°	258.7	237.9	218.2	197.4	179.0	158.2	136.1	112.8	93.2	77.2	67.4
157.5°	247.7	228.0	210.9	192.5	174.1	153.3	132.4	112.8	95.6	80.9	72.3
160°	231.7	215.8	199.8	182.7	163.1	143.5	126.3	110.3	95.6	82.1	73.6
162.5°	217.0	202.3	186.4	170.4	150.8	132.4	118.9	107.9	95.6	84.6	74.8
165°	199.8	185.1	168.0	153.3	137.3	122.6	112.8	104.2	95.6	85.8	78.5
167.5°	180.2	164.3	152.0	139.8	126.3	117.7	110.3	104.2	96.9	89.5	84.6
170°	156.9	145.9	136.1	127.5	122.6	116.5	111.6	107.9	101.8	95.6	90.7
172.5°	134.9	131.2	126.3	123.8	121.4	118.9	115.3	112.8	109.1	104.2	99.3
175°	121.4	121.4	121.4	122.6	121.4	120.2	118.9	117.7	114.0	110.3	107.9
177.5°	114.0	116.5	120.2	121.4	121.4	121.4	121.4	120.2	118.9	116.5	114.0
180°	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5



TEST NUMBER: P368717
 CATALOG NUMBER: 605-37-L4/835

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	192.5	192.5	192.5	192.5	192.5	192.5	192.5	192.5	192.5	192.5	192.5
2.5°	182.7	181.5	180.2	179.0	176.6	175.3	172.9	171.7	170.4	170.4	169.2
5°	171.7	168.0	165.5	163.1	159.4	156.9	154.5	152.0	149.6	147.1	145.9
7.5°	159.4	155.7	150.8	147.1	142.2	138.5	134.9	131.2	128.7	126.3	125.1
10°	147.1	141.0	136.1	131.2	125.1	120.2	116.5	112.8	109.1	106.7	104.2
12.5°	134.9	127.5	121.4	114.0	107.9	104.2	98.1	94.4	90.7	87.1	84.6
15°	121.4	112.8	106.7	98.1	92.0	84.6	80.9	76.0	71.1	67.4	65.0
17.5°	107.9	98.1	90.7	82.1	74.8	68.7	62.5	57.6	52.7	49.0	46.6
20°	93.2	83.4	73.6	65.0	57.6	50.3	44.1	39.2	34.3	30.7	28.2
22.5°	78.5	68.7	58.9	49.0	41.7	34.3	28.2	22.1	18.4	13.5	11.0
25°	65.0	52.7	42.9	33.1	25.7	18.4	11.0	6.1	1.2	0.0	0.0
27.5°	50.3	38.0	28.2	18.4	9.8	2.5	0.0	0.0	0.0	0.0	0.0
30°	35.6	23.3	12.3	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	22.1	9.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	7.4	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: P368717
 CATALOG NUMBER: 605-37-L4/835

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°	11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	23.3	9.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	33.1	20.8	9.8	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	41.7	31.9	22.1	12.3	3.7	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	49.0	40.5	31.9	24.5	17.2	9.8	3.7	1.2	0.0	0.0	0.0
155°	57.6	47.8	41.7	34.3	27.0	22.1	17.2	12.3	8.6	4.9	2.5
157.5°	65.0	56.4	49.0	42.9	38.0	33.1	28.2	25.7	22.1	18.4	15.9
160°	68.7	65.0	56.4	50.3	45.4	41.7	38.0	35.6	34.3	33.1	30.7
162.5°	69.9	67.4	63.8	57.6	52.7	49.0	46.6	45.4	44.1	44.1	45.4
165°	72.3	68.7	67.4	65.0	60.1	56.4	52.7	51.5	51.5	51.5	55.2
167.5°	79.7	73.6	69.9	67.4	66.2	65.0	61.3	57.6	55.2	55.2	57.6
170°	87.1	82.1	76.0	73.6	71.1	68.7	67.4	66.2	63.8	61.3	58.9
172.5°	95.6	92.0	85.8	80.9	76.0	72.3	69.9	69.9	68.7	66.2	65.0
175°	104.2	100.5	95.6	90.7	85.8	78.5	73.6	67.4	63.8	60.1	56.4
177.5°	111.6	109.1	105.4	100.5	95.6	89.5	82.1	74.8	66.2	55.2	42.9
180°	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5



TEST NUMBER: P368717
 CATALOG NUMBER: 605-37-L4/835

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	192.5	192.5	192.5	192.5
2.5°	168.0	168.0	168.0	166.7
5°	144.7	144.7	143.5	144.7
7.5°	123.8	122.6	121.4	122.6
10°	101.8	100.5	100.5	99.3
12.5°	82.1	79.7	79.7	79.7
15°	62.5	60.1	60.1	60.1
17.5°	44.1	42.9	41.7	40.5
20°	25.7	24.5	23.3	22.1
22.5°	8.6	7.4	4.9	4.9
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: P368717
CATALOG NUMBER: 605-37-L4/835

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°	13.5	12.3	11.0	11.0
160°	28.2	25.7	24.5	23.3
162.5°	42.9	41.7	39.2	39.2
165°	57.6	56.4	56.4	55.2
167.5°	61.3	68.7	71.1	71.1
170°	58.9	63.8	73.6	84.6
172.5°	62.5	58.9	50.3	42.9
175°	49.0	36.8	24.5	19.6
177.5°	31.9	29.4	28.2	27.0
180°	89.5	89.5	89.5	89.5

(END OF REPORT)