

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: P368718

Luminaire Tested: **605-37-L4/840**

Issue Date: 11/13/2019

Test Information

Test Method: LM-79-08
Report Number: P368718
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-L4/840
Description: 37" 605 SERIES LUMINOUS WALL SCONCE
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

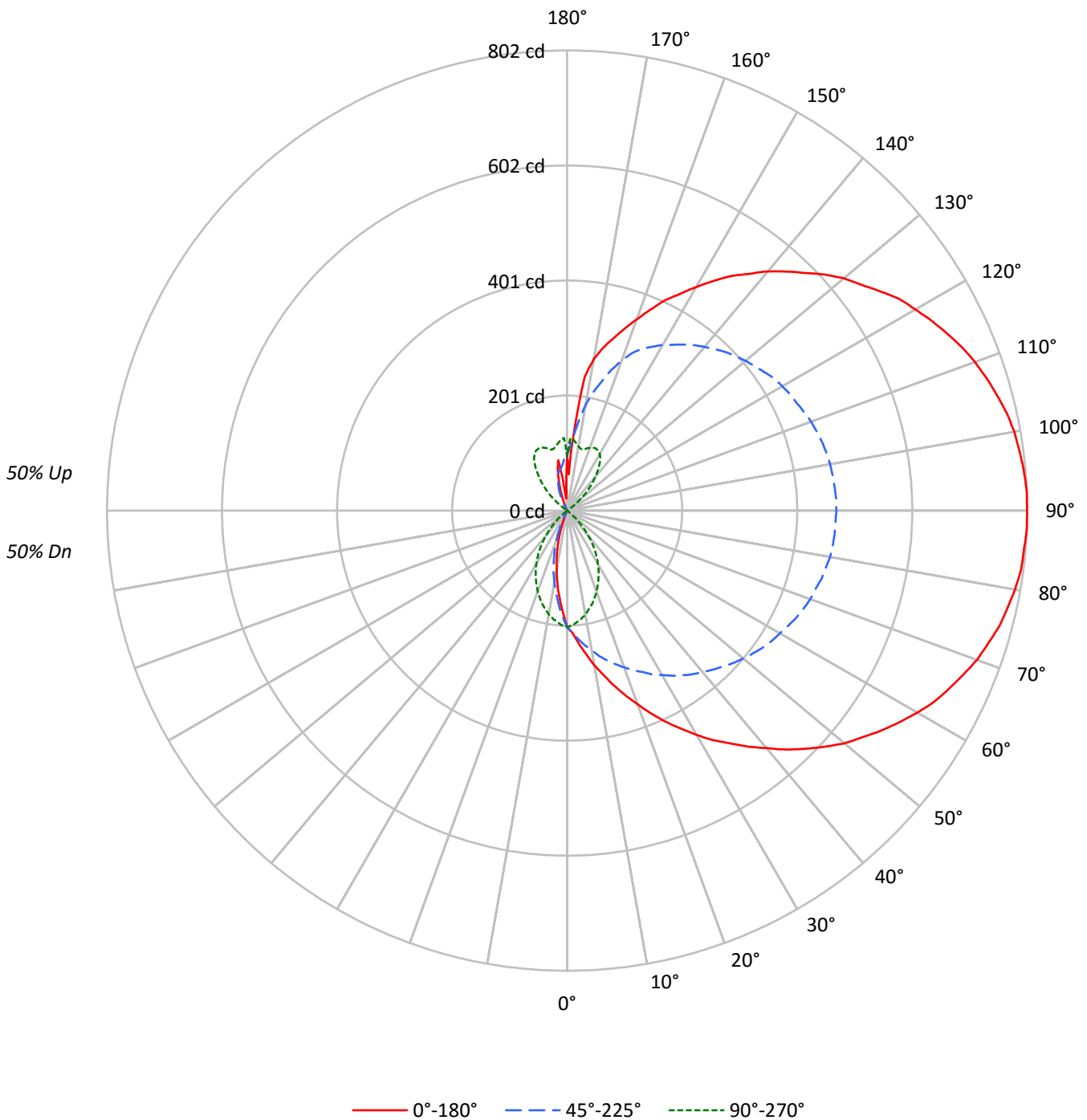
Lumens per Lamp: N/A
Luminaire Lumens: 2430.0 lumens
Efficiency: N/A
Efficacy: 78.1 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 0.89 / 1.74
Luminous Opening: Rectangular w/ Sides (W: 3.08' x L: 0.25' x H: 0.71')
CIE Type: General Diffuse

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-L4/840

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°	2835	2835	2835
5°	2614	2682	1714
10°	2592	2502	990
15°	2593	2289	521
20°	2629	2057	170
25°	2695	1799	0
30°	2760	1528	0
35°	2829	1234	0
40°	2917	889	0
45°	3024	540	0
50°	3132	133	0
55°	3225	0	0
60°	3331	0	0
65°	3429	0	0
70°	3533	0	0
75°	3634	0	0
80°	3734	0	0
85°	3834	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.4	0.8
10°-20°	50.7	2.1
20°-30°	77.2	3.2
30°-40°	106.8	4.4
40°-50°	139.5	5.7
50°-60°	171.9	7.1
60°-70°	200.2	8.2
70°-80°	221.3	9.1
80°-90°	232.6	9.6
90°-100°	232.8	9.6
100°-110°	221.8	9.1
110°-120°	201.4	8.3
120°-130°	174.4	7.2
130°-140°	142.6	5.9
140°-150°	109.4	4.5
150°-160°	76.0	3.1
160°-170°	42.0	1.7
170°-180°	11.2	0.5
0°-30°	146.2	6.0
0°-40°	253.0	10.4
0°-60°	564.3	23.2
0°-90°	1218.4	50.1
90°-120°	656.0	27.0
90°-150°	1082.4	44.5
90°-180°	1212.0	49.9
0°-180°	2430.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	203	203	203	203	203	
5°	233	225	195	166	153	23
15°	316	270	168	89	63	91
25°	406	310	129	19	0	189
35°	495	350	84	0	0	313
45°	587	384	34	0	0	455
55°	668	416	0	0	0	600
65°	734	441	0	0	0	729
75°	780	459	0	0	0	823
85°	799	468	0	0	0	652
90°	802	469	0	0	0	439
95°	799	468	0	0	0	651
105°	776	460	0	0	0	820
115°	730	442	0	0	0	725
125°	666	420	3	0	0	598
135°	586	390	53	0	0	455
145°	499	353	98	0	0	314
155°	405	312	119	23	0	188
165°	310	233	110	60	58	89
175°	137	129	124	83	21	18
180°	94	94	94	94	94	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	203.0	203.0	203.0	203.0	203.0	203.0	203.0	203.0	203.0	203.0	203.0
2.5°	213.3	215.9	215.9	215.9	215.9	215.9	215.9	214.6	213.3	214.6	212.0
5°	232.7	234.0	235.3	232.7	234.0	232.7	230.1	228.8	227.6	225.0	223.7
7.5°	252.1	254.7	253.4	253.4	252.1	249.5	246.9	243.1	239.2	236.6	231.4
10°	274.1	275.4	274.1	274.1	270.2	267.6	263.8	257.3	253.4	246.9	241.8
12.5°	293.5	296.1	294.8	292.2	289.6	284.4	280.6	274.1	267.6	259.9	250.8
15°	315.5	316.8	314.2	311.6	307.7	302.5	296.1	287.0	279.3	270.2	259.9
17.5°	337.5	340.0	336.2	333.6	327.1	320.6	311.6	302.5	292.2	280.6	267.6
20°	359.4	360.7	356.8	354.3	347.8	338.7	328.4	316.8	305.1	290.9	276.7
22.5°	382.7	382.7	380.1	373.7	365.9	356.8	345.2	332.3	316.8	301.2	283.1
25°	406.0	403.4	403.4	394.3	386.6	376.2	360.7	346.5	329.7	310.3	290.9
27.5°	428.0	429.2	424.1	418.9	407.3	393.0	378.8	362.0	342.6	321.9	298.7
30°	451.2	452.5	448.6	439.6	426.7	413.7	395.6	376.2	355.6	331.0	306.4
32.5°	474.5	474.5	470.6	461.6	448.6	431.8	412.4	391.8	367.2	341.3	312.9
35°	495.2	497.8	491.3	481.0	468.0	449.9	428.0	404.7	378.8	350.4	319.3
37.5°	518.5	519.8	512.0	501.7	487.4	468.0	446.1	417.6	390.5	359.4	325.8
40°	540.4	543.0	535.3	523.6	506.8	486.1	460.3	433.1	400.8	367.2	331.0
42.5°	565.0	563.7	557.2	544.3	526.2	504.2	478.4	447.3	412.4	376.2	338.7
45°	587.0	585.7	577.9	565.0	545.6	521.0	492.6	460.3	424.1	384.0	343.9
47.5°	609.0	607.7	599.9	584.4	565.0	540.4	508.1	473.2	435.7	393.0	349.1
50°	630.9	629.6	618.0	603.8	581.8	554.7	522.3	486.1	444.8	400.8	354.3
52.5°	649.0	647.7	638.7	621.9	599.9	571.5	536.6	497.8	455.1	408.6	359.4
55°	668.4	667.1	656.8	640.0	616.7	587.0	550.8	509.4	464.2	416.3	364.6
57.5°	686.5	685.2	674.9	656.8	633.5	601.2	563.7	521.0	473.2	422.8	368.5
60°	704.6	702.1	690.4	671.0	645.2	614.1	574.1	531.4	481.0	428.0	372.4
62.5°	721.4	717.6	704.6	686.5	660.7	627.1	585.7	540.4	490.0	434.4	376.2
65°	734.4	731.8	720.2	700.8	673.6	638.7	597.3	549.5	497.8	440.9	380.1
67.5°	747.3	746.0	733.1	712.4	685.2	649.0	607.7	558.5	505.5	446.1	384.0
70°	760.2	756.4	743.4	722.7	694.3	658.1	614.1	565.0	510.7	451.2	387.9
72.5°	769.3	766.7	753.8	731.8	703.3	665.9	621.9	571.5	514.6	453.8	389.2
75°	779.6	775.7	762.8	740.8	711.1	673.6	628.4	577.9	521.0	459.0	393.0
77.5°	786.1	783.5	769.3	748.6	718.9	680.1	634.8	581.8	524.9	461.6	395.6
80°	792.6	788.7	774.5	753.8	722.7	685.2	638.7	587.0	528.8	465.4	398.2
82.5°	797.7	792.6	779.6	757.6	726.6	687.8	642.6	589.6	531.4	466.7	399.5
85°	799.0	795.1	782.2	758.9	729.2	689.1	643.9	590.9	532.7	468.0	399.5
87.5°	801.6	796.4	782.2	760.2	730.5	690.4	643.9	592.2	532.7	468.0	400.8
90°	801.6	797.7	783.5	761.5	730.5	691.7	645.2	592.2	534.0	469.3	402.1
92.5°	801.6	796.4	782.2	760.2	730.5	690.4	645.2	592.2	534.0	469.3	402.1
95°	799.0	792.6	779.6	757.6	727.9	689.1	642.6	589.6	531.4	468.0	400.8
97.5°	795.1	791.3	777.0	755.1	725.3	686.5	640.0	588.3	530.1	466.7	400.8
100°	791.3	784.8	771.9	751.2	721.4	682.7	637.4	585.7	528.8	465.4	399.5
102.5°	784.8	779.6	765.4	744.7	715.0	677.5	633.5	581.8	524.9	462.9	398.2
105°	775.7	770.6	758.9	737.0	708.5	671.0	627.1	576.6	521.0	460.3	395.6
107.5°	766.7	761.5	748.6	727.9	699.5	663.3	620.6	570.2	515.9	456.4	391.8
110°	756.4	751.2	739.5	717.6	690.4	654.2	612.8	563.7	510.7	452.5	390.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	744.7	738.3	725.3	705.9	678.8	643.9	603.8	557.2	504.2	447.3	387.9
115°	730.5	724.0	713.7	694.3	667.1	633.5	592.2	548.2	496.5	442.2	384.0
117.5°	716.3	712.4	699.5	681.4	655.5	623.2	584.4	540.4	491.3	438.3	382.7
120°	700.8	694.3	685.2	665.9	642.6	610.3	572.8	531.4	483.5	433.1	378.8
122.5°	686.5	678.8	668.4	652.9	627.1	597.3	562.4	522.3	477.1	428.0	376.2
125°	665.9	660.7	651.6	634.8	612.8	584.4	549.5	510.7	466.7	420.2	371.1
127.5°	646.5	641.3	632.2	616.7	594.7	568.9	535.3	497.8	457.7	412.4	365.9
130°	629.6	621.9	614.1	598.6	579.2	553.4	521.0	486.1	447.3	406.0	362.0
132.5°	609.0	603.8	594.7	580.5	562.4	536.6	509.4	475.8	438.3	398.2	356.8
135°	585.7	581.8	574.1	559.8	543.0	519.8	492.6	461.6	426.7	390.5	351.7
137.5°	565.0	559.8	553.4	539.1	524.9	501.7	477.1	447.3	415.0	381.4	345.2
140°	544.3	537.9	531.4	521.0	504.2	484.8	461.6	434.4	404.7	372.4	337.5
142.5°	519.8	515.9	510.7	499.1	484.8	468.0	444.8	420.2	393.0	363.3	331.0
145°	499.1	492.6	487.4	477.1	464.2	447.3	429.2	404.7	380.1	353.0	324.5
147.5°	474.5	470.6	465.4	456.4	443.5	429.2	411.1	390.5	367.2	342.6	318.1
150°	449.9	446.1	440.9	434.4	422.8	409.9	393.0	376.2	354.3	333.6	309.0
152.5°	425.4	424.1	420.2	411.1	403.4	390.5	376.2	359.4	341.3	321.9	302.5
155°	404.7	399.5	396.9	390.5	382.7	371.1	358.1	345.2	328.4	311.6	292.2
157.5°	378.8	376.2	372.4	367.2	360.7	350.4	341.3	327.1	314.2	297.4	279.3
160°	354.3	351.7	349.1	346.5	341.3	332.3	321.9	310.3	294.8	278.0	262.5
162.5°	332.3	329.7	328.4	325.8	320.6	314.2	301.2	288.3	271.5	257.3	241.8
165°	310.3	309.0	306.4	302.5	298.7	289.6	274.1	259.9	246.9	232.7	221.1
167.5°	290.9	287.0	285.7	279.3	268.9	256.0	243.1	231.4	221.1	212.0	201.7
170°	267.6	265.0	258.6	243.1	228.8	219.8	212.0	203.0	196.5	187.5	178.4
172.5°	235.3	225.0	212.0	199.1	190.1	187.5	179.7	174.5	166.8	159.0	150.0
175°	137.0	137.0	142.2	143.5	146.1	142.2	140.9	137.0	133.2	129.3	128.0
177.5°	63.4	63.4	77.6	89.2	94.4	99.6	99.6	103.4	107.3	111.2	116.4
180°	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	203.0	203.0	203.0	203.0	203.0	203.0	203.0	203.0	203.0	203.0	203.0
2.5°	210.7	209.5	208.2	205.6	204.3	203.0	201.7	200.4	197.8	196.5	195.2
5°	219.8	217.2	213.3	209.5	205.6	201.7	199.1	195.2	191.4	187.5	183.6
7.5°	227.6	222.4	217.2	210.7	205.6	200.4	195.2	190.1	183.6	178.4	173.3
10°	235.3	228.8	221.1	213.3	204.3	197.8	191.4	183.6	175.8	168.1	161.6
12.5°	243.1	234.0	223.7	214.6	204.3	195.2	186.2	175.8	166.8	157.7	150.0
15°	248.2	237.9	226.3	213.3	201.7	190.1	179.7	168.1	157.7	146.1	137.0
17.5°	254.7	241.8	227.6	213.3	199.1	184.9	173.3	159.0	147.4	134.5	124.1
20°	261.2	244.4	228.8	212.0	195.2	179.7	164.2	150.0	135.8	122.8	109.9
22.5°	266.3	248.2	228.8	209.5	190.1	173.3	156.4	139.6	124.1	109.9	95.7
25°	271.5	250.8	228.8	206.9	186.2	165.5	147.4	129.3	112.5	95.7	81.5
27.5°	276.7	253.4	228.8	204.3	181.0	159.0	138.3	118.9	99.6	82.7	67.2
30°	280.6	254.7	227.6	200.4	175.8	151.3	128.0	107.3	87.9	68.5	51.7
32.5°	284.4	256.0	227.6	196.5	169.4	143.5	118.9	95.7	75.0	55.6	37.5
35°	288.3	257.3	225.0	192.6	162.9	134.5	107.3	84.0	60.8	41.4	24.6
37.5°	290.9	257.3	222.4	187.5	155.1	124.1	97.0	71.1	47.8	27.2	9.1
40°	294.8	257.3	219.8	182.3	147.4	115.1	85.3	58.2	34.9	12.9	0.0
42.5°	297.4	257.3	217.2	178.4	140.9	106.0	73.7	46.5	20.7	0.0	0.0
45°	301.2	257.3	214.6	172.0	133.2	95.7	63.4	33.6	7.8	0.0	0.0
47.5°	305.1	258.6	212.0	168.1	125.4	86.6	51.7	20.7	0.0	0.0	0.0
50°	306.4	257.3	209.5	161.6	116.4	76.3	40.1	7.8	0.0	0.0	0.0
52.5°	309.0	257.3	205.6	156.4	108.6	65.9	27.2	0.0	0.0	0.0	0.0
55°	310.3	256.0	203.0	150.0	99.6	55.6	15.5	0.0	0.0	0.0	0.0
57.5°	312.9	256.0	199.1	144.8	91.8	45.3	3.9	0.0	0.0	0.0	0.0
60°	314.2	254.7	195.2	137.0	82.7	33.6	0.0	0.0	0.0	0.0	0.0
62.5°	315.5	253.4	192.6	131.9	75.0	23.3	0.0	0.0	0.0	0.0	0.0
65°	318.1	253.4	190.1	126.7	67.2	14.2	0.0	0.0	0.0	0.0	0.0
67.5°	319.3	253.4	187.5	121.5	59.5	3.9	0.0	0.0	0.0	0.0	0.0
70°	320.6	252.1	183.6	116.4	53.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	321.9	250.8	181.0	112.5	46.5	0.0	0.0	0.0	0.0	0.0	0.0
75°	323.2	252.1	179.7	108.6	40.1	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	324.5	250.8	178.4	106.0	36.2	0.0	0.0	0.0	0.0	0.0	0.0
80°	325.8	252.1	178.4	103.4	32.3	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	327.1	253.4	178.4	103.4	31.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	327.1	252.1	178.4	102.1	29.7	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	328.4	253.4	178.4	102.1	29.7	0.0	0.0	0.0	0.0	0.0	0.0
90°	329.7	254.7	179.7	103.4	31.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	329.7	254.7	179.7	104.7	32.3	0.0	0.0	0.0	0.0	0.0	0.0
95°	329.7	254.7	179.7	104.7	32.3	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	328.4	254.7	181.0	106.0	34.9	0.0	0.0	0.0	0.0	0.0	0.0
100°	328.4	256.0	182.3	108.6	38.8	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	328.4	257.3	184.9	113.8	45.3	0.0	0.0	0.0	0.0	0.0	0.0
105°	327.1	257.3	187.5	117.7	50.4	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	325.8	257.3	190.1	121.5	58.2	0.0	0.0	0.0	0.0	0.0	0.0
110°	325.8	259.9	192.6	128.0	65.9	9.1	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P368718
 CATALOG NUMBER: 605-37-L4/840

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	324.5	259.9	196.5	133.2	73.7	19.4	0.0	0.0	0.0	0.0	0.0
115°	324.5	261.2	199.1	139.6	82.7	29.7	0.0	0.0	0.0	0.0	0.0
117.5°	324.5	265.0	204.3	147.4	91.8	42.7	0.0	0.0	0.0	0.0	0.0
120°	323.2	265.0	208.2	152.6	100.8	53.0	10.3	0.0	0.0	0.0	0.0
122.5°	323.2	267.6	213.3	160.3	109.9	64.6	23.3	0.0	0.0	0.0	0.0
125°	320.6	267.6	215.9	165.5	117.7	73.7	34.9	2.6	0.0	0.0	0.0
127.5°	318.1	268.9	219.8	172.0	126.7	84.0	46.5	15.5	0.0	0.0	0.0
130°	315.5	268.9	222.4	177.1	134.5	94.4	58.2	27.2	1.3	0.0	0.0
132.5°	314.2	270.2	226.3	183.6	143.5	104.7	71.1	41.4	14.2	0.0	0.0
135°	310.3	270.2	228.8	188.8	150.0	113.8	81.5	53.0	27.2	5.2	0.0
137.5°	306.4	268.9	230.1	192.6	156.4	122.8	91.8	64.6	38.8	18.1	0.0
140°	303.8	268.9	232.7	197.8	164.2	131.9	103.4	76.3	51.7	31.0	14.2
142.5°	300.0	267.6	234.0	201.7	170.7	140.9	112.5	87.9	64.6	44.0	27.2
145°	294.8	265.0	235.3	205.6	175.8	148.7	122.8	98.3	75.0	54.3	37.5
147.5°	290.9	265.0	235.3	209.5	182.3	156.4	131.9	107.3	84.0	64.6	49.1
150°	285.7	261.2	236.6	210.7	186.2	162.9	138.3	113.8	90.5	72.4	56.9
152.5°	280.6	257.3	234.0	212.0	188.8	166.8	143.5	117.7	94.4	77.6	64.6
155°	272.8	250.8	230.1	208.2	188.8	166.8	143.5	118.9	98.3	81.5	71.1
157.5°	261.2	240.5	222.4	203.0	183.6	161.6	139.6	118.9	100.8	85.3	76.3
160°	244.4	227.6	210.7	192.6	172.0	151.3	133.2	116.4	100.8	86.6	77.6
162.5°	228.8	213.3	196.5	179.7	159.0	139.6	125.4	113.8	100.8	89.2	78.9
165°	210.7	195.2	177.1	161.6	144.8	129.3	118.9	109.9	100.8	90.5	82.7
167.5°	190.1	173.3	160.3	147.4	133.2	124.1	116.4	109.9	102.1	94.4	89.2
170°	165.5	153.9	143.5	134.5	129.3	122.8	117.7	113.8	107.3	100.8	95.7
172.5°	142.2	138.3	133.2	130.6	128.0	125.4	121.5	118.9	115.1	109.9	104.7
175°	128.0	128.0	128.0	129.3	128.0	126.7	125.4	124.1	120.2	116.4	113.8
177.5°	120.2	122.8	126.7	128.0	128.0	128.0	128.0	126.7	125.4	122.8	120.2
180°	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4



TEST NUMBER: P368718
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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	203.0	203.0	203.0	203.0	203.0	203.0	203.0	203.0	203.0	203.0	203.0
2.5°	192.6	191.4	190.1	188.8	186.2	184.9	182.3	181.0	179.7	179.7	178.4
5°	181.0	177.1	174.5	172.0	168.1	165.5	162.9	160.3	157.7	155.1	153.9
7.5°	168.1	164.2	159.0	155.1	150.0	146.1	142.2	138.3	135.8	133.2	131.9
10°	155.1	148.7	143.5	138.3	131.9	126.7	122.8	118.9	115.1	112.5	109.9
12.5°	142.2	134.5	128.0	120.2	113.8	109.9	103.4	99.6	95.7	91.8	89.2
15°	128.0	118.9	112.5	103.4	97.0	89.2	85.3	80.2	75.0	71.1	68.5
17.5°	113.8	103.4	95.7	86.6	78.9	72.4	65.9	60.8	55.6	51.7	49.1
20°	98.3	87.9	77.6	68.5	60.8	53.0	46.5	41.4	36.2	32.3	29.7
22.5°	82.7	72.4	62.1	51.7	44.0	36.2	29.7	23.3	19.4	14.2	11.6
25°	68.5	55.6	45.3	34.9	27.2	19.4	11.6	6.5	1.3	0.0	0.0
27.5°	53.0	40.1	29.7	19.4	10.3	2.6	0.0	0.0	0.0	0.0	0.0
30°	37.5	24.6	12.9	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	23.3	10.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	7.8	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: P368718
 CATALOG NUMBER: 605-37-L4/840

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°	11.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	24.6	10.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	34.9	22.0	10.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	44.0	33.6	23.3	12.9	3.9	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	51.7	42.7	33.6	25.9	18.1	10.3	3.9	1.3	0.0	0.0	0.0
155°	60.8	50.4	44.0	36.2	28.4	23.3	18.1	12.9	9.1	5.2	2.6
157.5°	68.5	59.5	51.7	45.3	40.1	34.9	29.7	27.2	23.3	19.4	16.8
160°	72.4	68.5	59.5	53.0	47.8	44.0	40.1	37.5	36.2	34.9	32.3
162.5°	73.7	71.1	67.2	60.8	55.6	51.7	49.1	47.8	46.5	46.5	47.8
165°	76.3	72.4	71.1	68.5	63.4	59.5	55.6	54.3	54.3	54.3	58.2
167.5°	84.0	77.6	73.7	71.1	69.8	68.5	64.6	60.8	58.2	58.2	60.8
170°	91.8	86.6	80.2	77.6	75.0	72.4	71.1	69.8	67.2	64.6	62.1
172.5°	100.8	97.0	90.5	85.3	80.2	76.3	73.7	73.7	72.4	69.8	68.5
175°	109.9	106.0	100.8	95.7	90.5	82.7	77.6	71.1	67.2	63.4	59.5
177.5°	117.7	115.1	111.2	106.0	100.8	94.4	86.6	78.9	69.8	58.2	45.3
180°	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4



TEST NUMBER: P368718
 CATALOG NUMBER: 605-37-L4/840

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	203.0	203.0	203.0	203.0
2.5°	177.1	177.1	177.1	175.8
5°	152.6	152.6	151.3	152.6
7.5°	130.6	129.3	128.0	129.3
10°	107.3	106.0	106.0	104.7
12.5°	86.6	84.0	84.0	84.0
15°	65.9	63.4	63.4	63.4
17.5°	46.5	45.3	44.0	42.7
20°	27.2	25.9	24.6	23.3
22.5°	9.1	7.8	5.2	5.2
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: P368718
CATALOG NUMBER: 605-37-L4/840

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°	1.3	0.0	0.0	0.0
157.5°	14.2	12.9	11.6	11.6
160°	29.7	27.2	25.9	24.6
162.5°	45.3	44.0	41.4	41.4
165°	60.8	59.5	59.5	58.2
167.5°	64.6	72.4	75.0	75.0
170°	62.1	67.2	77.6	89.2
172.5°	65.9	62.1	53.0	45.3
175°	51.7	38.8	25.9	20.7
177.5°	33.6	31.0	29.7	28.4
180°	94.4	94.4	94.4	94.4

(END OF REPORT)