

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: P368757

Luminaire Tested: **674-WP-55-L5/835**

Issue Date: 11/13/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P368757  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1804-721-13)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 11/13/2019  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: SHAPER  
Catalog Number: 674-WP-55-L5/835  
Description: 55" 674 SERIES LUMINOUS WALL SCONCE  
Light Source: 3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

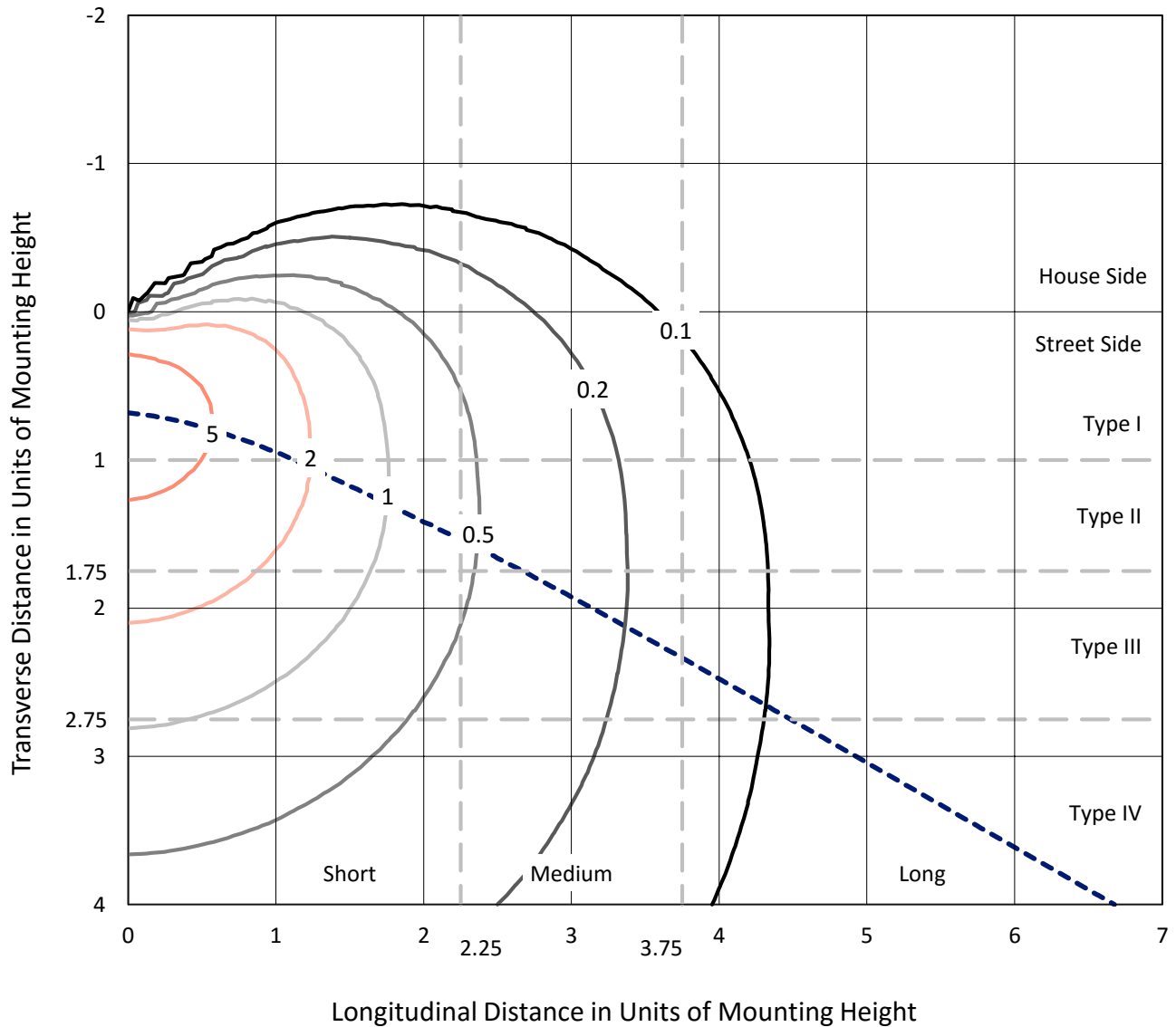
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3217.6 lumens  
Efficiency: N/A  
Efficacy: 75.4 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.71' x L: 0.21' x H: 4.58')  
IES Classification: Type - Short - Non-Cutoff  
BUG Rating: B0 - U5 - G3  
  
Input Watts (W): 42.7  
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: 24 FT

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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

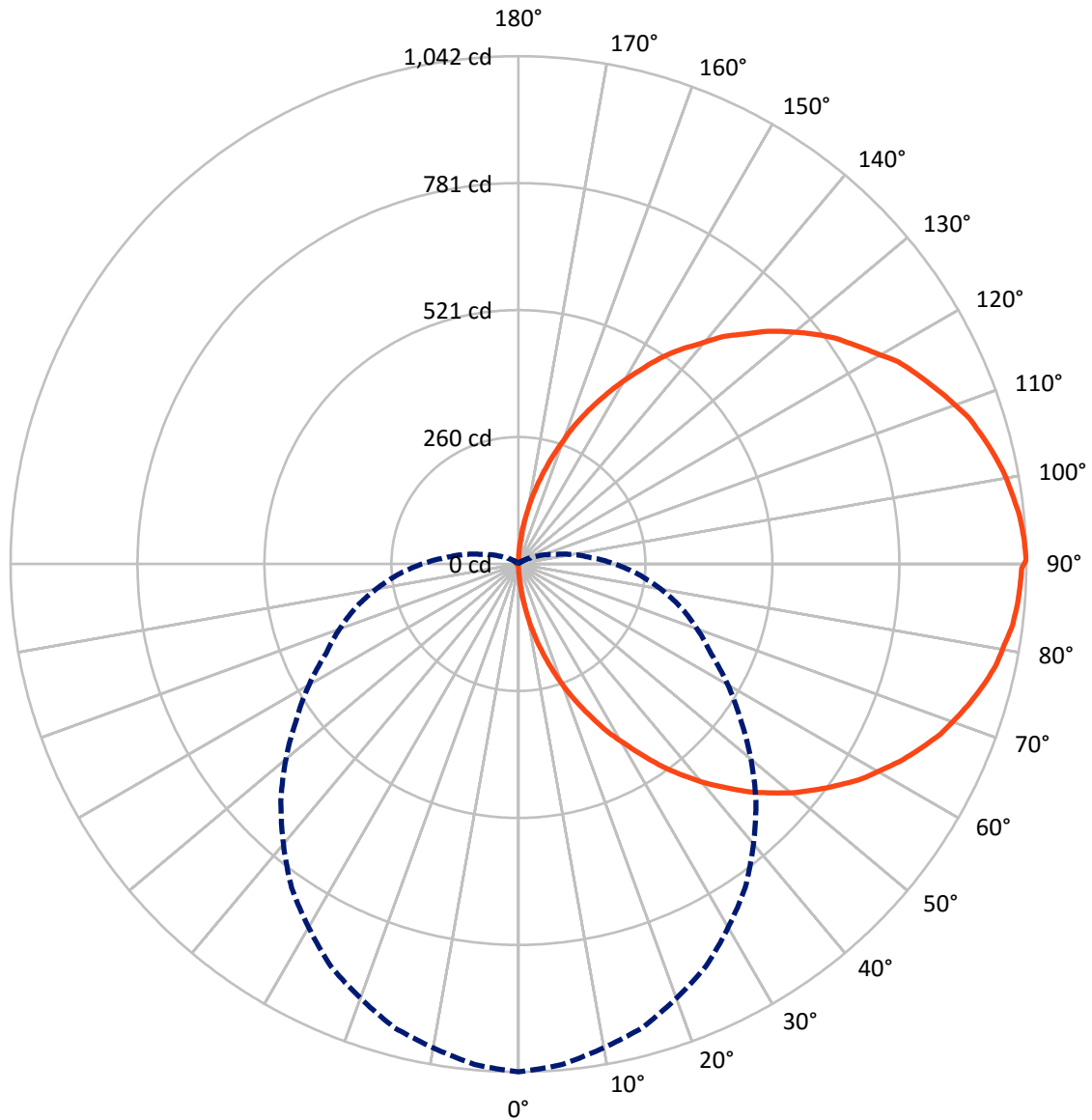


Based on 6 foot mounting height. Maximum calculated value = 7.8 fc  
 Type - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral      - - - Horizontal Cone Through 90-Deg Vertical

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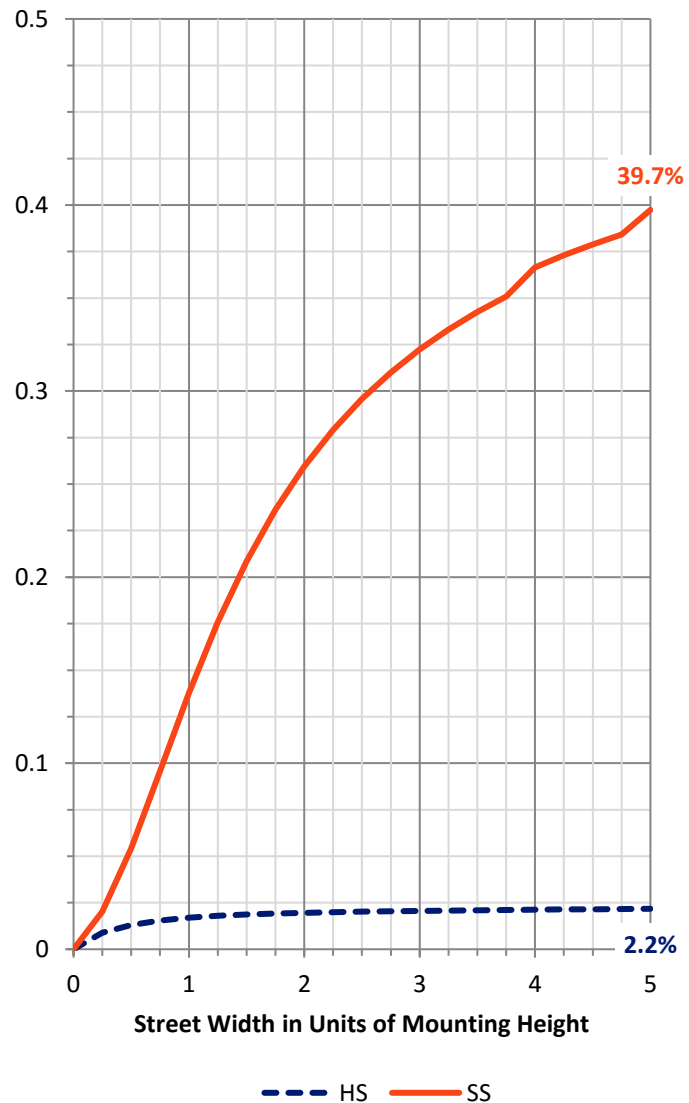
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	73.9	72.8	146.8
	% Fixture	2.3	2.3	4.6
<b>Street Side</b>	Lumens	1537.4	1533.4	3070.8
	% Fixture	47.8	47.7	95.4
<b>Total</b>	Lumens	1611.3	1606.3	3217.6
	% Fixture	50.1	49.9	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2.3	0.1
10°-20°	18.6	0.6
20°-30°	53.4	1.7
30°-40°	105.5	3.3
40°-50°	170.0	5.3
50°-60°	237.6	7.4
60°-70°	299.9	9.3
70°-80°	348.6	10.8
80°-90°	375.5	11.7
90°-100°	377.1	11.7
100°-110°	348.2	10.8
110°-120°	298.7	9.3
120°-130°	236.0	7.3
130°-140°	168.6	5.2
140°-150°	104.7	3.3
150°-160°	52.8	1.6
160°-170°	18.0	0.6
170°-180°	2.2	0.1
0°-90°	1611.3	50.1
0°-180°	3217.6	100.0



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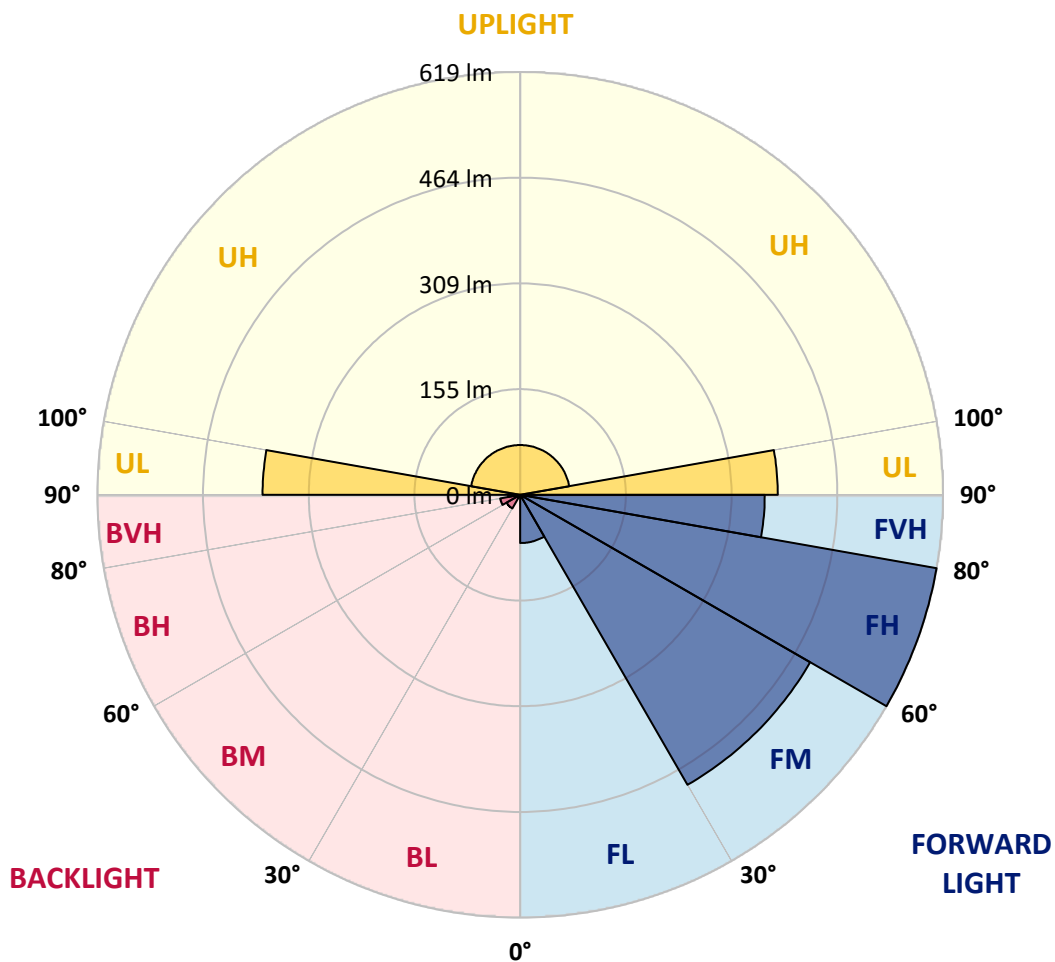
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	70.6	2.2			
FM (30°-60°)	490.0	15.2			
FH (60°-80°)	618.8	19.2			G0/660
FVH (80°-90°)	357.9	11.1			G3/500
BL (0°-30°)	3.7	0.1	B0/110		
BM (30°-60°)	23.0	0.7	B0/220		
BH (60°-80°)	29.7	0.9	B0/110		G0/110
BVH (80°-90°)	17.6	0.5			G1/100
UL (90°-100°)	377.1	11.7		U3/500	
UH (100°-180°)	72.8	2.3		U3/500	

**BUG Rating: B0-U5-G3**

Type Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
2.5°	20.3	16.6	16.6	16.6	12.9	12.9	11.1	9.2	7.4	5.5	5.5
5°	49.9	48.0	46.2	44.3	36.9	31.4	25.9	20.3	16.6	11.1	9.2
7.5°	81.3	79.4	75.7	72.0	60.9	51.7	42.5	33.2	27.7	18.5	14.8
10°	116.3	112.6	109.0	99.7	86.8	73.9	59.1	46.2	36.9	25.9	22.2
12.5°	153.3	149.6	144.0	133.0	114.5	97.9	77.6	60.9	48.0	35.1	27.7
15°	190.2	188.4	179.1	164.3	144.0	121.9	96.0	75.7	59.1	42.5	35.1
17.5°	230.8	225.3	216.1	197.6	173.6	145.9	116.3	90.5	72.0	51.7	40.6
20°	269.6	264.1	253.0	230.8	203.1	169.9	134.8	107.1	83.1	59.1	48.0
22.5°	308.4	302.8	289.9	264.1	232.7	195.7	155.1	121.9	96.0	68.3	55.4
25°	347.2	343.5	326.9	297.3	262.2	219.7	175.4	138.5	109.0	77.6	62.8
27.5°	389.6	382.3	363.8	332.4	293.6	247.4	197.6	155.1	121.9	86.8	70.2
30°	426.6	424.7	404.4	367.5	325.0	273.3	216.1	171.7	134.8	96.0	75.7
32.5°	467.2	463.5	439.5	402.6	354.6	299.2	236.4	188.4	147.7	105.3	83.1
35°	511.5	506.0	482.0	437.6	385.9	325.0	258.5	205.0	160.7	114.5	92.3
37.5°	550.3	546.6	520.7	472.7	417.3	350.9	278.8	221.6	173.6	123.7	99.7
40°	590.9	585.4	555.8	509.7	446.9	376.7	301.0	238.2	186.5	133.0	107.1
42.5°	627.9	622.3	592.8	542.9	478.3	400.7	321.3	253.0	199.4	142.2	114.5
45°	666.6	659.2	629.7	576.1	509.7	426.6	341.6	269.6	212.4	151.4	121.9
47.5°	701.7	694.3	662.9	607.5	537.4	450.6	360.1	284.4	225.3	160.7	127.4
50°	736.8	729.4	694.3	637.1	565.1	476.4	378.6	301.0	236.4	169.9	134.8
52.5°	768.2	760.8	723.9	664.8	590.9	498.6	395.2	313.9	247.4	177.3	140.3
55°	799.6	792.2	755.3	692.5	616.8	520.7	413.6	328.7	258.5	184.7	147.7
57.5°	831.0	821.7	781.1	720.2	638.9	541.1	430.3	341.6	267.8	192.0	153.3
60°	856.8	849.4	808.8	744.2	661.1	559.5	445.0	352.7	278.8	199.4	158.8
62.5°	884.5	875.3	834.7	768.2	681.4	579.8	459.8	363.8	288.1	206.8	164.3
65°	908.5	899.3	856.8	788.5	701.7	594.6	476.4	376.7	297.3	212.4	169.9
67.5°	932.5	921.5	879.0	810.7	720.2	611.2	489.4	385.9	304.7	217.9	173.6
70°	951.0	941.8	897.5	829.1	736.8	626.0	504.1	395.2	312.1	223.4	179.1
72.5°	969.5	960.2	914.1	845.8	751.6	638.9	515.2	404.4	319.5	229.0	182.8
75°	986.1	976.9	930.7	860.5	766.3	650.0	524.4	411.8	325.0	232.7	186.5
77.5°	1000.9	989.8	945.5	873.5	775.6	661.1	531.8	417.3	330.5	236.4	190.2
80°	1010.1	1000.9	954.7	882.7	784.8	666.6	537.4	422.9	334.2	240.1	192.0
82.5°	1021.2	1010.1	963.9	890.1	794.0	674.0	542.9	426.6	337.9	241.9	193.9
85°	1026.7	1015.6	969.5	897.5	799.6	679.6	548.4	430.3	339.8	243.8	195.7
87.5°	1030.4	1019.3	975.0	901.2	803.3	683.2	550.3	432.1	341.6	245.6	195.7
89°	1032.3	1021.2	975.0	901.2	803.3	683.2	550.3	432.1	341.6	245.6	197.6
90°	1041.5	1030.4	984.2	910.4	810.7	688.8	555.8	435.8	345.3	247.4	197.6
92.5°	1037.8	1028.6	980.6	908.5	808.8	686.9	554.0	434.0	343.5	245.6	197.6
95°	1032.3	1023.0	975.0	903.0	803.3	683.2	550.3	430.3	341.6	243.8	195.7
97.5°	1023.0	1013.8	967.6	893.8	795.9	675.9	544.8	426.6	337.9	241.9	193.9
100°	1013.8	1004.6	958.4	886.4	788.5	670.3	539.2	422.9	334.2	240.1	192.0
102.5°	1000.9	993.5	947.3	875.3	777.4	661.1	531.8	417.3	328.7	236.4	188.4
105°	986.1	976.9	930.7	860.5	764.5	650.0	522.6	409.9	325.0	232.7	184.7
107.5°	971.3	960.2	914.1	843.9	751.6	637.1	513.4	402.6	317.6	227.1	181.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	949.2	941.8	895.6	827.3	735.0	624.2	502.3	393.3	310.2	221.6	177.3
112.5°	927.0	919.6	877.1	808.8	718.3	609.4	491.2	384.1	302.8	216.1	173.6
115°	904.8	897.5	855.0	788.5	699.9	592.8	474.6	373.0	293.6	210.5	168.0
117.5°	882.7	873.5	831.0	766.3	679.6	576.1	458.0	361.9	286.2	205.0	162.5
120°	851.3	845.8	805.1	742.3	657.4	557.7	443.2	349.0	275.1	197.6	157.0
122.5°	823.6	818.1	777.4	716.5	635.2	537.4	428.4	337.9	265.9	190.2	151.4
125°	797.7	788.5	749.7	690.6	611.2	517.1	411.8	323.2	256.7	182.8	145.9
127.5°	766.3	757.1	720.2	662.9	587.2	496.7	393.3	310.2	245.6	173.6	140.3
130°	733.1	725.7	688.8	633.4	559.5	469.0	376.7	295.5	234.5	166.2	133.0
132.5°	699.9	692.5	657.4	603.8	533.7	446.9	358.2	280.7	221.6	158.8	125.6
135°	661.1	657.4	624.2	572.5	506.0	422.9	337.9	265.9	210.5	149.6	120.0
137.5°	627.9	620.5	589.1	541.1	472.7	398.9	319.5	251.1	197.6	140.3	112.6
140°	585.4	583.5	552.1	507.8	443.2	373.0	299.2	234.5	184.7	131.1	105.3
142.5°	550.3	544.8	517.1	469.0	413.6	347.2	278.8	219.7	171.7	121.9	97.9
145°	511.5	506.0	476.4	434.0	384.1	323.2	256.7	203.1	158.8	112.6	90.5
147.5°	467.2	461.7	439.5	400.7	352.7	297.3	236.4	186.5	145.9	103.4	83.1
150°	426.6	422.9	398.9	365.6	323.2	271.5	216.1	169.9	133.0	94.2	75.7
152.5°	385.9	382.3	363.8	330.5	291.8	243.8	195.7	153.3	120.0	84.9	68.3
155°	345.3	341.6	325.0	295.5	260.4	217.9	175.4	136.6	107.1	75.7	60.9
157.5°	304.7	301.0	286.2	260.4	229.0	192.0	153.3	120.0	94.2	66.5	53.6
160°	260.4	262.2	247.4	225.3	199.4	168.0	133.0	105.3	81.3	59.1	46.2
162.5°	221.6	221.6	210.5	192.0	169.9	142.2	112.6	88.6	70.2	49.9	40.6
165°	181.0	182.8	171.7	157.0	138.5	118.2	92.3	73.9	57.2	40.6	33.2
167.5°	144.0	145.9	136.6	125.6	110.8	94.2	75.7	59.1	46.2	33.2	27.7
170°	107.1	109.0	101.6	94.2	83.1	70.2	57.2	46.2	35.1	25.9	20.3
172.5°	73.9	75.7	70.2	64.6	57.2	49.9	40.6	31.4	25.9	18.5	14.8
175°	42.5	44.3	40.6	36.9	33.2	29.5	24.0	18.5	14.8	11.1	9.2
177.5°	12.9	12.9	12.9	11.1	11.1	9.2	9.2	7.4	7.4	5.5	5.5
180°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7





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**CANDELA DISTRIBUTION (continued):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
2.5°	5.5	5.5	5.5	3.7	3.7	1.8	1.8	1.8	0.0	0.0
5°	7.4	5.5	5.5	3.7	3.7	1.8	1.8	0.0	0.0	0.0
7.5°	12.9	7.4	5.5	3.7	3.7	1.8	1.8	1.8	0.0	0.0
10°	16.6	9.2	5.5	3.7	3.7	1.8	1.8	1.8	0.0	0.0
12.5°	22.2	12.9	5.5	3.7	3.7	1.8	1.8	0.0	0.0	0.0
15°	25.9	14.8	7.4	3.7	1.8	1.8	1.8	0.0	0.0	0.0
17.5°	31.4	16.6	7.4	3.7	1.8	1.8	1.8	0.0	0.0	0.0
20°	36.9	18.5	9.2	3.7	1.8	1.8	1.8	0.0	0.0	0.0
22.5°	42.5	22.2	9.2	3.7	1.8	1.8	1.8	0.0	0.0	0.0
25°	48.0	24.0	11.1	3.7	1.8	1.8	1.8	0.0	0.0	0.0
27.5°	53.6	27.7	11.1	3.7	1.8	1.8	1.8	0.0	0.0	0.0
30°	59.1	29.5	12.9	3.7	1.8	1.8	1.8	0.0	0.0	0.0
32.5°	64.6	33.2	12.9	3.7	1.8	1.8	1.8	0.0	0.0	0.0
35°	70.2	35.1	14.8	5.5	1.8	1.8	1.8	0.0	0.0	0.0
37.5°	75.7	38.8	16.6	5.5	1.8	1.8	0.0	0.0	0.0	0.0
40°	81.3	40.6	16.6	5.5	1.8	1.8	0.0	0.0	0.0	0.0
42.5°	86.8	44.3	18.5	5.5	1.8	1.8	1.8	0.0	0.0	0.0
45°	92.3	46.2	18.5	5.5	1.8	1.8	1.8	0.0	0.0	0.0
47.5°	97.9	49.9	20.3	5.5	1.8	1.8	1.8	0.0	0.0	0.0
50°	101.6	51.7	22.2	7.4	1.8	1.8	1.8	0.0	0.0	0.0
52.5°	107.1	53.6	22.2	7.4	1.8	1.8	1.8	0.0	0.0	0.0
55°	110.8	57.2	24.0	7.4	1.8	1.8	1.8	0.0	0.0	0.0
57.5°	116.3	59.1	24.0	7.4	1.8	1.8	1.8	0.0	0.0	0.0
60°	120.0	60.9	25.9	7.4	1.8	1.8	1.8	1.8	0.0	1.8
62.5°	125.6	62.8	25.9	7.4	1.8	1.8	1.8	1.8	1.8	1.8
65°	129.3	64.6	25.9	9.2	1.8	1.8	1.8	1.8	1.8	1.8
67.5°	133.0	66.5	27.7	9.2	1.8	1.8	1.8	1.8	1.8	1.8
70°	134.8	68.3	27.7	9.2	1.8	1.8	1.8	1.8	1.8	1.8
72.5°	138.5	70.2	29.5	9.2	1.8	1.8	1.8	1.8	1.8	1.8
75°	142.2	72.0	29.5	9.2	1.8	1.8	1.8	1.8	1.8	1.8
77.5°	144.0	73.9	29.5	9.2	3.7	1.8	1.8	1.8	1.8	1.8
80°	145.9	73.9	31.4	9.2	3.7	1.8	1.8	1.8	1.8	1.8
82.5°	147.7	75.7	31.4	11.1	3.7	1.8	1.8	1.8	1.8	1.8
85°	147.7	75.7	31.4	11.1	3.7	1.8	1.8	1.8	1.8	1.8
87.5°	149.6	75.7	31.4	11.1	3.7	3.7	1.8	1.8	1.8	1.8
89°	149.6	75.7	31.4	11.1	3.7	3.7	3.7	3.7	3.7	3.7
90°	149.6	75.7	31.4	11.1	3.7	3.7	3.7	3.7	1.8	1.8
92.5°	149.6	75.7	31.4	11.1	3.7	3.7	1.8	1.8	1.8	1.8
95°	147.7	75.7	31.4	9.2	3.7	1.8	1.8	1.8	1.8	1.8
97.5°	147.7	73.9	29.5	9.2	3.7	1.8	1.8	1.8	1.8	1.8
100°	145.9	73.9	29.5	9.2	3.7	1.8	1.8	1.8	1.8	1.8
102.5°	142.2	72.0	29.5	9.2	1.8	1.8	1.8	1.8	1.8	1.8
105°	140.3	70.2	29.5	9.2	1.8	1.8	1.8	1.8	1.8	1.8
107.5°	136.6	68.3	27.7	9.2	1.8	1.8	1.8	1.8	1.8	1.8



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**CANDELA DISTRIBUTION (continued):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	134.8	68.3	27.7	9.2	1.8	1.8	1.8	1.8	1.8	1.8
112.5°	131.1	66.5	25.9	9.2	1.8	1.8	1.8	1.8	1.8	1.8
115°	127.4	64.6	25.9	7.4	1.8	1.8	1.8	1.8	1.8	1.8
117.5°	123.7	60.9	25.9	7.4	1.8	1.8	1.8	1.8	1.8	1.8
120°	118.2	59.1	24.0	7.4	1.8	1.8	1.8	1.8	0.0	0.0
122.5°	114.5	57.2	24.0	7.4	1.8	1.8	1.8	1.8	0.0	0.0
125°	110.8	55.4	22.2	7.4	1.8	1.8	1.8	0.0	0.0	0.0
127.5°	105.3	53.6	22.2	7.4	1.8	1.8	1.8	0.0	0.0	0.0
130°	99.7	49.9	20.3	5.5	1.8	1.8	1.8	0.0	0.0	0.0
132.5°	96.0	48.0	18.5	5.5	1.8	1.8	1.8	0.0	0.0	0.0
135°	90.5	46.2	18.5	5.5	1.8	1.8	1.8	0.0	0.0	0.0
137.5°	84.9	42.5	16.6	5.5	1.8	1.8	1.8	0.0	0.0	0.0
140°	79.4	40.6	16.6	5.5	1.8	1.8	1.8	0.0	0.0	0.0
142.5°	73.9	36.9	14.8	5.5	1.8	1.8	1.8	0.0	0.0	0.0
145°	68.3	35.1	14.8	3.7	1.8	1.8	1.8	0.0	0.0	0.0
147.5°	62.8	31.4	12.9	3.7	1.8	1.8	1.8	0.0	0.0	0.0
150°	57.2	29.5	12.9	3.7	1.8	1.8	1.8	0.0	0.0	0.0
152.5°	51.7	27.7	11.1	3.7	1.8	1.8	1.8	0.0	0.0	0.0
155°	46.2	24.0	11.1	3.7	1.8	1.8	1.8	0.0	0.0	0.0
157.5°	40.6	22.2	9.2	3.7	1.8	1.8	1.8	0.0	0.0	0.0
160°	35.1	18.5	7.4	3.7	1.8	1.8	1.8	0.0	0.0	0.0
162.5°	31.4	16.6	7.4	3.7	1.8	1.8	1.8	0.0	0.0	0.0
165°	25.9	12.9	7.4	3.7	3.7	1.8	1.8	0.0	0.0	0.0
167.5°	20.3	11.1	5.5	3.7	3.7	1.8	1.8	0.0	0.0	0.0
170°	16.6	9.2	5.5	3.7	3.7	1.8	1.8	0.0	0.0	0.0
172.5°	11.1	7.4	5.5	3.7	3.7	1.8	1.8	0.0	0.0	0.0
175°	7.4	5.5	5.5	3.7	3.7	1.8	1.8	1.8	0.0	0.0
177.5°	5.5	5.5	5.5	3.7	3.7	1.8	1.8	1.8	0.0	0.0
180°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7

(END OF REPORT)