

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: P368758

Luminaire Tested: **674-WP-55-L5/840**

Issue Date: 11/13/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P368758  
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-L5/840  
Description: 55" 674 SERIES LUMINOUS WALL SCONCE  
Light Source: 4000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

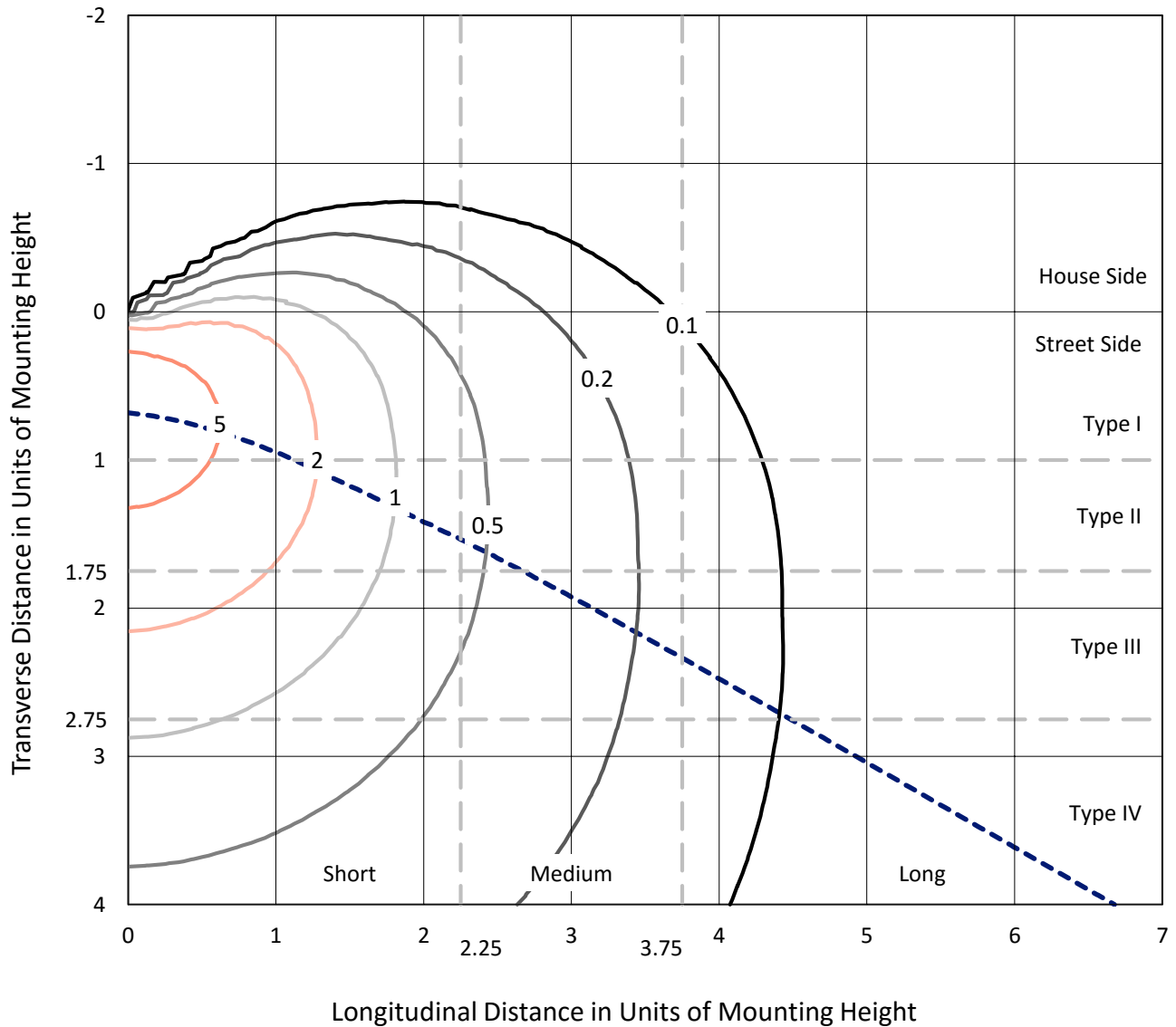
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3416.6 lumens  
Efficiency: N/A  
Efficacy: 80.0 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 (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: 24 FT

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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

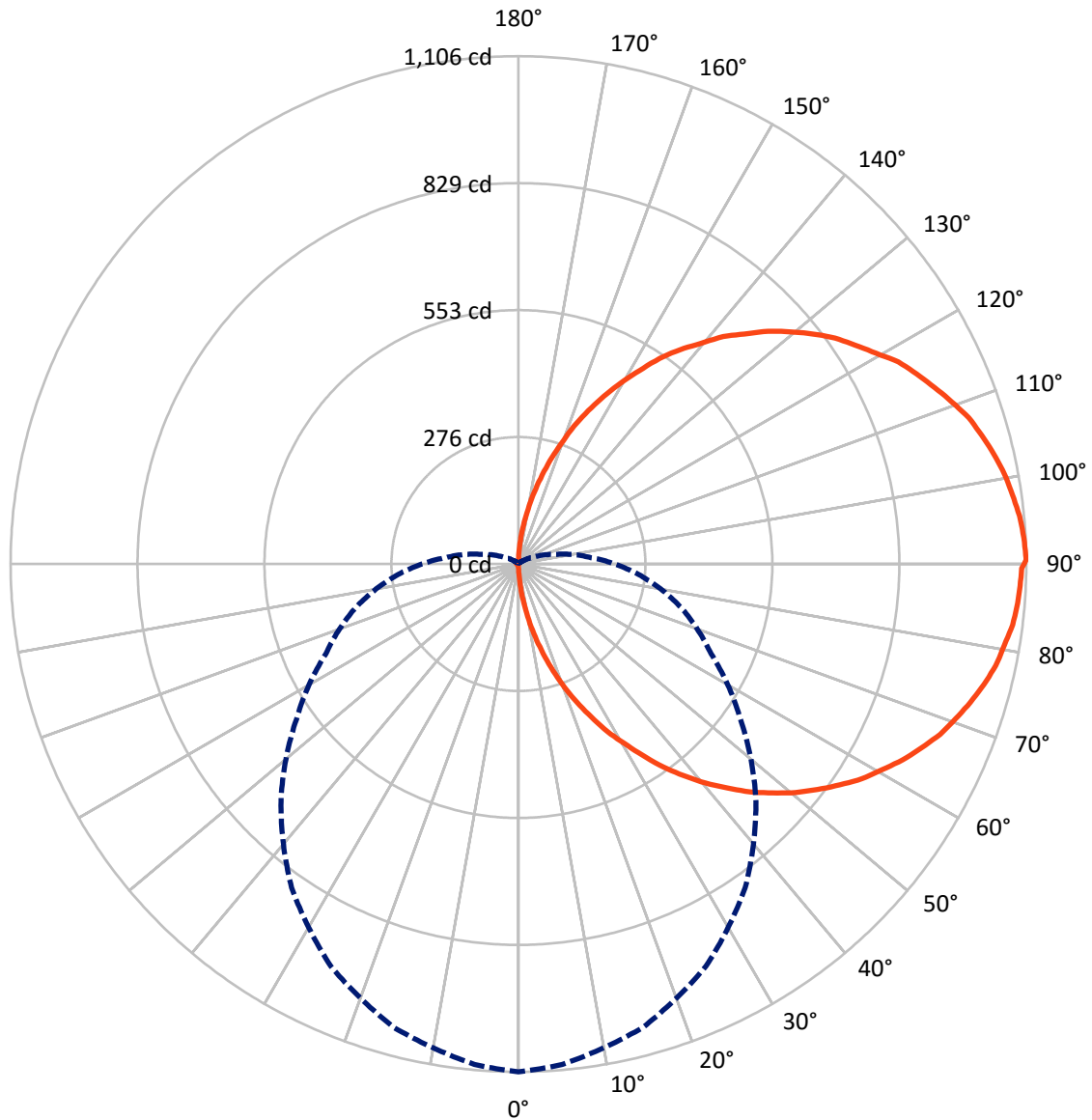


Based on 6 foot mounting height. Maximum calculated value = 8.3 fc  
 Type - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



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

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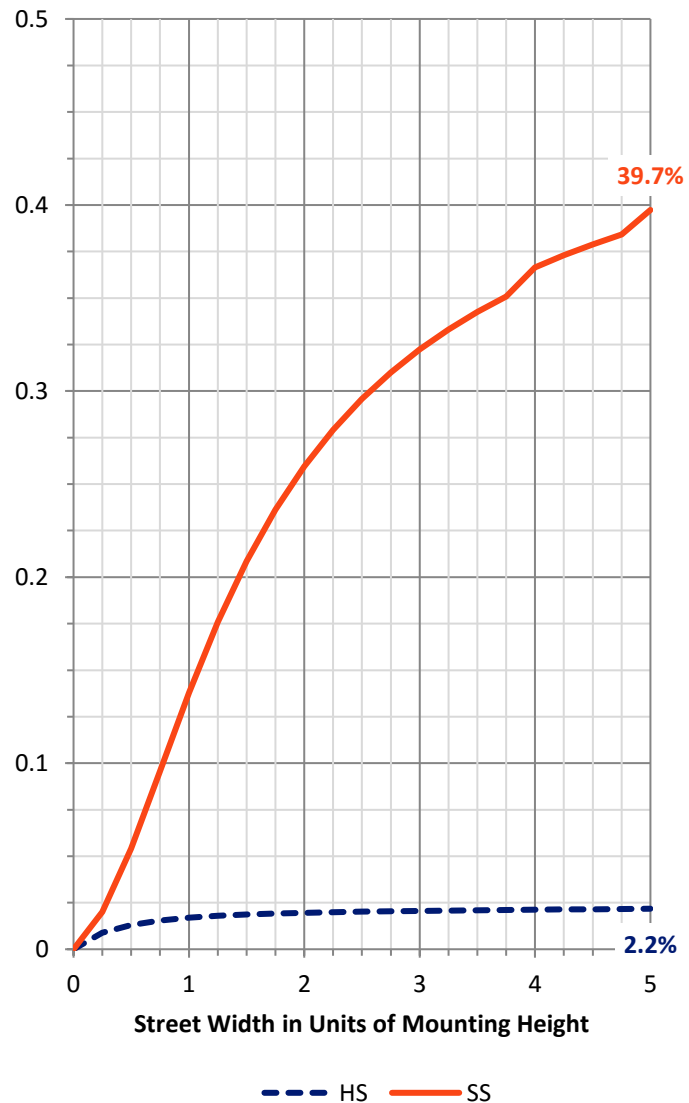
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	78.6	77.4	156.1
	% Fixture	2.3	2.3	4.6
<b>Street Side</b>	Lumens	1632.4	1628.2	3260.5
	% Fixture	47.8	47.7	95.4
<b>Total</b>	Lumens	1711.0	1705.6	3416.6
	% Fixture	50.1	49.9	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2.5	0.1
10°-20°	19.7	0.6
20°-30°	56.7	1.7
30°-40°	112.0	3.3
40°-50°	180.5	5.3
50°-60°	252.3	7.4
60°-70°	318.5	9.3
70°-80°	370.1	10.8
80°-90°	398.7	11.7
90°-100°	400.4	11.7
100°-110°	369.8	10.8
110°-120°	317.2	9.3
120°-130°	250.5	7.3
130°-140°	179.0	5.2
140°-150°	111.2	3.3
150°-160°	56.1	1.6
160°-170°	19.1	0.6
170°-180°	2.3	0.1
0°-90°	1711.0	50.1
0°-180°	3416.6	100.0



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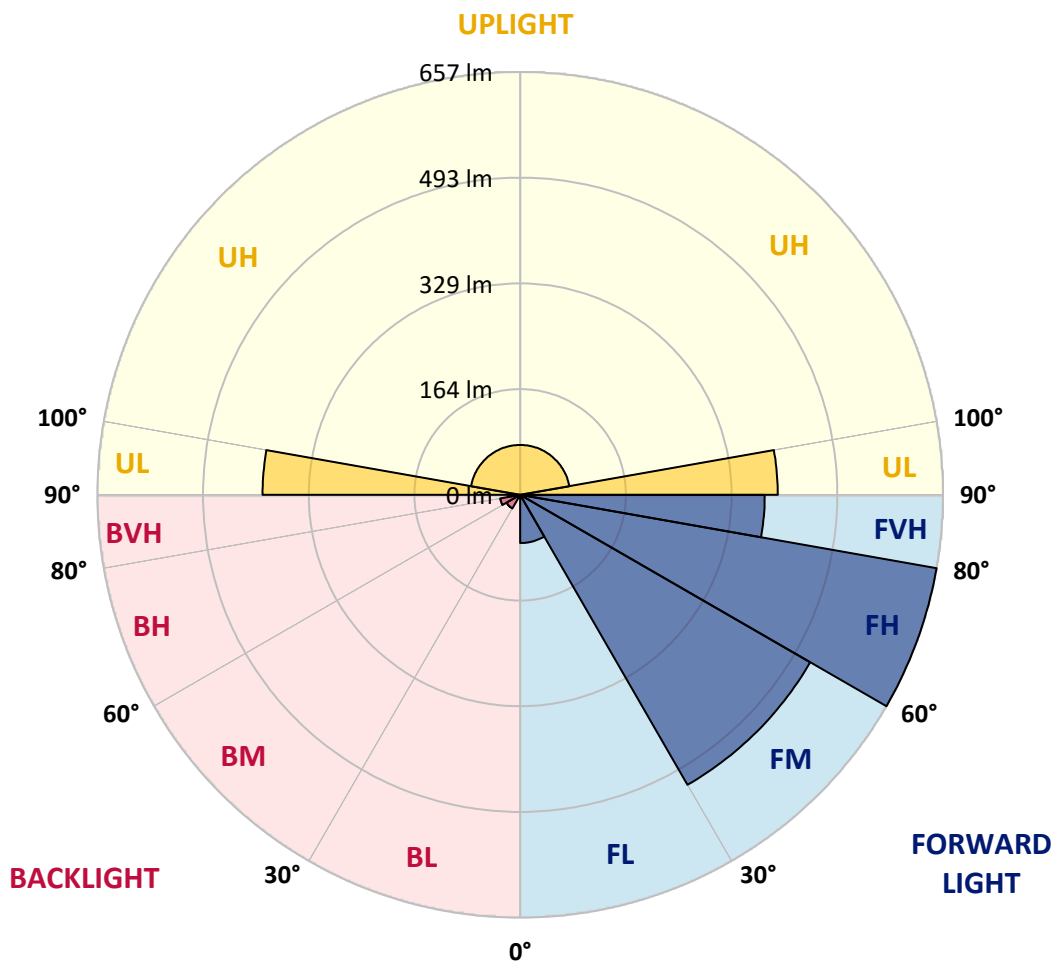
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	74.9	2.2			
FM (30°-60°)	520.3	15.2			
FH (60°-80°)	657.1	19.2			G0/660
FVH (80°-90°)	380.1	11.1			G3/500
BL (0°-30°)	3.9	0.1	B0/110		
BM (30°-60°)	24.5	0.7	B0/220		
BH (60°-80°)	31.6	0.9	B0/110		G0/110
BVH (80°-90°)	18.7	0.5			G1/100
UL (90°-100°)	400.4	11.7		U3/500	
UH (100°-180°)	77.4	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°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
2.5°	21.6	17.6	17.6	17.6	13.7	13.7	11.8	9.8	7.8	5.9	5.9
5°	52.9	51.0	49.0	47.1	39.2	33.3	27.4	21.6	17.6	11.8	9.8
7.5°	86.3	84.3	80.4	76.5	64.7	54.9	45.1	35.3	29.4	19.6	15.7
10°	123.5	119.6	115.7	105.9	92.2	78.4	62.7	49.0	39.2	27.4	23.5
12.5°	162.7	158.8	152.9	141.2	121.6	103.9	82.3	64.7	51.0	37.3	29.4
15°	202.0	200.0	190.2	174.5	152.9	129.4	102.0	80.4	62.7	45.1	37.3
17.5°	245.1	239.2	229.4	209.8	184.3	154.9	123.5	96.1	76.5	54.9	43.1
20°	286.3	280.4	268.6	245.1	215.7	180.4	143.1	113.7	88.2	62.7	51.0
22.5°	327.4	321.6	307.8	280.4	247.0	207.8	164.7	129.4	102.0	72.5	58.8
25°	368.6	364.7	347.0	315.7	278.4	233.3	186.3	147.1	115.7	82.3	66.7
27.5°	413.7	405.9	386.3	352.9	311.8	262.7	209.8	164.7	129.4	92.2	74.5
30°	452.9	451.0	429.4	390.2	345.1	290.2	229.4	182.3	143.1	102.0	80.4
32.5°	496.1	492.1	466.6	427.4	376.5	317.6	251.0	200.0	156.9	111.8	88.2
35°	543.1	537.2	511.7	464.7	409.8	345.1	274.5	217.6	170.6	121.6	98.0
37.5°	584.3	580.4	552.9	501.9	443.1	372.5	296.1	235.3	184.3	131.4	105.9
40°	627.4	621.5	590.2	541.2	474.5	400.0	319.6	252.9	198.0	141.2	113.7
42.5°	666.6	660.8	629.4	576.4	507.8	425.5	341.2	268.6	211.8	151.0	121.6
45°	707.8	700.0	668.6	611.7	541.2	452.9	362.7	286.3	225.5	160.8	129.4
47.5°	745.1	737.2	703.9	645.1	570.6	478.4	382.3	301.9	239.2	170.6	135.3
50°	782.3	774.5	737.2	676.4	600.0	505.9	401.9	319.6	251.0	180.4	143.1
52.5°	815.6	807.8	768.6	705.9	627.4	529.4	419.6	333.3	262.7	188.2	149.0
55°	849.0	841.1	801.9	735.3	654.9	552.9	439.2	349.0	274.5	196.1	156.9
57.5°	882.3	872.5	829.4	764.7	678.4	574.5	456.8	362.7	284.3	203.9	162.7
60°	909.8	901.9	858.8	790.2	701.9	594.1	472.5	374.5	296.1	211.8	168.6
62.5°	939.2	929.4	886.2	815.6	723.5	615.7	488.2	386.3	305.9	219.6	174.5
65°	964.7	954.9	909.8	837.2	745.1	631.3	505.9	400.0	315.7	225.5	180.4
67.5°	990.2	978.4	933.3	860.7	764.7	649.0	519.6	409.8	323.5	231.4	184.3
70°	1009.8	1000.0	952.9	880.4	782.3	664.7	535.3	419.6	331.4	237.2	190.2
72.5°	1029.4	1019.6	970.5	898.0	798.0	678.4	547.0	429.4	339.2	243.1	194.1
75°	1047.0	1037.2	988.2	913.7	813.7	690.2	556.8	437.2	345.1	247.0	198.0
77.5°	1062.7	1050.9	1003.9	927.4	823.5	701.9	564.7	443.1	351.0	251.0	202.0
80°	1072.5	1062.7	1013.7	937.2	833.3	707.8	570.6	449.0	354.9	254.9	203.9
82.5°	1084.3	1072.5	1023.5	945.1	843.1	715.7	576.4	452.9	358.8	256.9	205.9
85°	1090.1	1078.4	1029.4	952.9	849.0	721.5	582.3	456.8	360.8	258.8	207.8
87.5°	1094.1	1082.3	1035.2	956.8	852.9	725.5	584.3	458.8	362.7	260.8	207.8
89°	1096.0	1084.3	1035.2	956.8	852.9	725.5	584.3	458.8	362.7	260.8	209.8
90°	1105.8	1094.1	1045.1	966.6	860.7	731.3	590.2	462.7	366.7	262.7	209.8
92.5°	1101.9	1092.1	1041.1	964.7	858.8	729.4	588.2	460.8	364.7	260.8	209.8
95°	1096.0	1086.2	1035.2	958.8	852.9	725.5	584.3	456.8	362.7	258.8	207.8
97.5°	1086.2	1076.4	1027.4	949.0	845.1	717.6	578.4	452.9	358.8	256.9	205.9
100°	1076.4	1066.6	1017.6	941.1	837.2	711.7	572.5	449.0	354.9	254.9	203.9
102.5°	1062.7	1054.9	1005.8	929.4	825.5	701.9	564.7	443.1	349.0	251.0	200.0
105°	1047.0	1037.2	988.2	913.7	811.7	690.2	554.9	435.3	345.1	247.0	196.1
107.5°	1031.3	1019.6	970.5	896.0	798.0	676.4	545.1	427.4	337.2	241.2	192.1



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	1007.8	1000.0	950.9	878.4	780.4	662.7	533.3	417.6	329.4	235.3	188.2
112.5°	984.3	976.4	931.3	858.8	762.7	647.0	521.5	407.8	321.6	229.4	184.3
115°	960.7	952.9	907.8	837.2	743.1	629.4	503.9	396.1	311.8	223.5	178.4
117.5°	937.2	927.4	882.3	813.7	721.5	611.7	486.3	384.3	303.9	217.6	172.5
120°	903.9	898.0	854.9	788.2	698.0	592.1	470.6	370.6	292.1	209.8	166.7
122.5°	874.5	868.6	825.5	760.8	674.5	570.6	454.9	358.8	282.3	202.0	160.8
125°	847.0	837.2	796.0	733.3	649.0	549.0	437.2	343.1	272.5	194.1	154.9
127.5°	813.7	803.9	764.7	703.9	623.5	527.4	417.6	329.4	260.8	184.3	149.0
130°	778.4	770.6	731.3	672.5	594.1	498.0	400.0	313.7	249.0	176.5	141.2
132.5°	743.1	735.3	698.0	641.1	566.6	474.5	380.4	298.0	235.3	168.6	133.3
135°	701.9	698.0	662.7	607.8	537.2	449.0	358.8	282.3	223.5	158.8	127.4
137.5°	666.6	658.8	625.5	574.5	501.9	423.5	339.2	266.7	209.8	149.0	119.6
140°	621.5	619.6	586.2	539.2	470.6	396.1	317.6	249.0	196.1	139.2	111.8
142.5°	584.3	578.4	549.0	498.0	439.2	368.6	296.1	233.3	182.3	129.4	103.9
145°	543.1	537.2	505.9	460.8	407.8	343.1	272.5	215.7	168.6	119.6	96.1
147.5°	496.1	490.2	466.6	425.5	374.5	315.7	251.0	198.0	154.9	109.8	88.2
150°	452.9	449.0	423.5	388.2	343.1	288.2	229.4	180.4	141.2	100.0	80.4
152.5°	409.8	405.9	386.3	351.0	309.8	258.8	207.8	162.7	127.4	90.2	72.5
155°	366.7	362.7	345.1	313.7	276.5	231.4	186.3	145.1	113.7	80.4	64.7
157.5°	323.5	319.6	303.9	276.5	243.1	203.9	162.7	127.4	100.0	70.6	56.9
160°	276.5	278.4	262.7	239.2	211.8	178.4	141.2	111.8	86.3	62.7	49.0
162.5°	235.3	235.3	223.5	203.9	180.4	151.0	119.6	94.1	74.5	52.9	43.1
165°	192.1	194.1	182.3	166.7	147.1	125.5	98.0	78.4	60.8	43.1	35.3
167.5°	152.9	154.9	145.1	133.3	117.6	100.0	80.4	62.7	49.0	35.3	29.4
170°	113.7	115.7	107.8	100.0	88.2	74.5	60.8	49.0	37.3	27.4	21.6
172.5°	78.4	80.4	74.5	68.6	60.8	52.9	43.1	33.3	27.4	19.6	15.7
175°	45.1	47.1	43.1	39.2	35.3	31.4	25.5	19.6	15.7	11.8	9.8
177.5°	13.7	13.7	13.7	11.8	11.8	9.8	9.8	7.8	7.8	5.9	5.9
180°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9





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**CANDELA DISTRIBUTION (continued):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
2.5°	5.9	5.9	5.9	3.9	3.9	2.0	2.0	2.0	0.0	0.0
5°	7.8	5.9	5.9	3.9	3.9	2.0	2.0	0.0	0.0	0.0
7.5°	13.7	7.8	5.9	3.9	3.9	2.0	2.0	2.0	0.0	0.0
10°	17.6	9.8	5.9	3.9	3.9	2.0	2.0	2.0	0.0	0.0
12.5°	23.5	13.7	5.9	3.9	3.9	2.0	2.0	0.0	0.0	0.0
15°	27.4	15.7	7.8	3.9	2.0	2.0	2.0	0.0	0.0	0.0
17.5°	33.3	17.6	7.8	3.9	2.0	2.0	2.0	0.0	0.0	0.0
20°	39.2	19.6	9.8	3.9	2.0	2.0	2.0	0.0	0.0	0.0
22.5°	45.1	23.5	9.8	3.9	2.0	2.0	2.0	0.0	0.0	0.0
25°	51.0	25.5	11.8	3.9	2.0	2.0	2.0	0.0	0.0	0.0
27.5°	56.9	29.4	11.8	3.9	2.0	2.0	2.0	0.0	0.0	0.0
30°	62.7	31.4	13.7	3.9	2.0	2.0	2.0	0.0	0.0	0.0
32.5°	68.6	35.3	13.7	3.9	2.0	2.0	2.0	0.0	0.0	0.0
35°	74.5	37.3	15.7	5.9	2.0	2.0	2.0	0.0	0.0	0.0
37.5°	80.4	41.2	17.6	5.9	2.0	2.0	0.0	0.0	0.0	0.0
40°	86.3	43.1	17.6	5.9	2.0	2.0	0.0	0.0	0.0	0.0
42.5°	92.2	47.1	19.6	5.9	2.0	2.0	2.0	0.0	0.0	0.0
45°	98.0	49.0	19.6	5.9	2.0	2.0	2.0	0.0	0.0	0.0
47.5°	103.9	52.9	21.6	5.9	2.0	2.0	2.0	0.0	0.0	0.0
50°	107.8	54.9	23.5	7.8	2.0	2.0	2.0	0.0	0.0	0.0
52.5°	113.7	56.9	23.5	7.8	2.0	2.0	2.0	0.0	0.0	0.0
55°	117.6	60.8	25.5	7.8	2.0	2.0	2.0	0.0	0.0	0.0
57.5°	123.5	62.7	25.5	7.8	2.0	2.0	2.0	0.0	0.0	0.0
60°	127.4	64.7	27.4	7.8	2.0	2.0	2.0	2.0	0.0	2.0
62.5°	133.3	66.7	27.4	7.8	2.0	2.0	2.0	2.0	2.0	2.0
65°	137.2	68.6	27.4	9.8	2.0	2.0	2.0	2.0	2.0	2.0
67.5°	141.2	70.6	29.4	9.8	2.0	2.0	2.0	2.0	2.0	2.0
70°	143.1	72.5	29.4	9.8	2.0	2.0	2.0	2.0	2.0	2.0
72.5°	147.1	74.5	31.4	9.8	2.0	2.0	2.0	2.0	2.0	2.0
75°	151.0	76.5	31.4	9.8	2.0	2.0	2.0	2.0	2.0	2.0
77.5°	152.9	78.4	31.4	9.8	3.9	2.0	2.0	2.0	2.0	2.0
80°	154.9	78.4	33.3	9.8	3.9	2.0	2.0	2.0	2.0	2.0
82.5°	156.9	80.4	33.3	11.8	3.9	2.0	2.0	2.0	2.0	2.0
85°	156.9	80.4	33.3	11.8	3.9	2.0	2.0	2.0	2.0	2.0
87.5°	158.8	80.4	33.3	11.8	3.9	3.9	2.0	2.0	2.0	2.0
89°	158.8	80.4	33.3	11.8	3.9	3.9	3.9	3.9	3.9	3.9
90°	158.8	80.4	33.3	11.8	3.9	3.9	3.9	3.9	2.0	2.0
92.5°	158.8	80.4	33.3	11.8	3.9	3.9	2.0	2.0	2.0	2.0
95°	156.9	80.4	33.3	9.8	3.9	2.0	2.0	2.0	2.0	2.0
97.5°	156.9	78.4	31.4	9.8	3.9	2.0	2.0	2.0	2.0	2.0
100°	154.9	78.4	31.4	9.8	3.9	2.0	2.0	2.0	2.0	2.0
102.5°	151.0	76.5	31.4	9.8	2.0	2.0	2.0	2.0	2.0	2.0
105°	149.0	74.5	31.4	9.8	2.0	2.0	2.0	2.0	2.0	2.0
107.5°	145.1	72.5	29.4	9.8	2.0	2.0	2.0	2.0	2.0	2.0



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**CANDELA DISTRIBUTION (continued):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	143.1	72.5	29.4	9.8	2.0	2.0	2.0	2.0	2.0	2.0
112.5°	139.2	70.6	27.4	9.8	2.0	2.0	2.0	2.0	2.0	2.0
115°	135.3	68.6	27.4	7.8	2.0	2.0	2.0	2.0	2.0	2.0
117.5°	131.4	64.7	27.4	7.8	2.0	2.0	2.0	2.0	2.0	2.0
120°	125.5	62.7	25.5	7.8	2.0	2.0	2.0	2.0	0.0	0.0
122.5°	121.6	60.8	25.5	7.8	2.0	2.0	2.0	2.0	0.0	0.0
125°	117.6	58.8	23.5	7.8	2.0	2.0	2.0	0.0	0.0	0.0
127.5°	111.8	56.9	23.5	7.8	2.0	2.0	2.0	0.0	0.0	0.0
130°	105.9	52.9	21.6	5.9	2.0	2.0	2.0	0.0	0.0	0.0
132.5°	102.0	51.0	19.6	5.9	2.0	2.0	2.0	0.0	0.0	0.0
135°	96.1	49.0	19.6	5.9	2.0	2.0	2.0	0.0	0.0	0.0
137.5°	90.2	45.1	17.6	5.9	2.0	2.0	2.0	0.0	0.0	0.0
140°	84.3	43.1	17.6	5.9	2.0	2.0	2.0	0.0	0.0	0.0
142.5°	78.4	39.2	15.7	5.9	2.0	2.0	2.0	0.0	0.0	0.0
145°	72.5	37.3	15.7	3.9	2.0	2.0	2.0	0.0	0.0	0.0
147.5°	66.7	33.3	13.7	3.9	2.0	2.0	2.0	0.0	0.0	0.0
150°	60.8	31.4	13.7	3.9	2.0	2.0	2.0	0.0	0.0	0.0
152.5°	54.9	29.4	11.8	3.9	2.0	2.0	2.0	0.0	0.0	0.0
155°	49.0	25.5	11.8	3.9	2.0	2.0	2.0	0.0	0.0	0.0
157.5°	43.1	23.5	9.8	3.9	2.0	2.0	2.0	0.0	0.0	0.0
160°	37.3	19.6	7.8	3.9	2.0	2.0	2.0	0.0	0.0	0.0
162.5°	33.3	17.6	7.8	3.9	2.0	2.0	2.0	0.0	0.0	0.0
165°	27.4	13.7	7.8	3.9	3.9	2.0	2.0	0.0	0.0	0.0
167.5°	21.6	11.8	5.9	3.9	3.9	2.0	2.0	0.0	0.0	0.0
170°	17.6	9.8	5.9	3.9	3.9	2.0	2.0	0.0	0.0	0.0
172.5°	11.8	7.8	5.9	3.9	3.9	2.0	2.0	0.0	0.0	0.0
175°	7.8	5.9	5.9	3.9	3.9	2.0	2.0	2.0	0.0	0.0
177.5°	5.9	5.9	5.9	3.9	3.9	2.0	2.0	2.0	0.0	0.0
180°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9

(END OF REPORT)