

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: STREETWORKS

Report Number: P694512

Luminaire Tested: **LXF.LXT-PA16-20-727-U-T3-CL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P694512  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-20-727-U-T3-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2402 lumens  
Efficiency: N/A  
Efficacy: 110.2 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U2 - G1

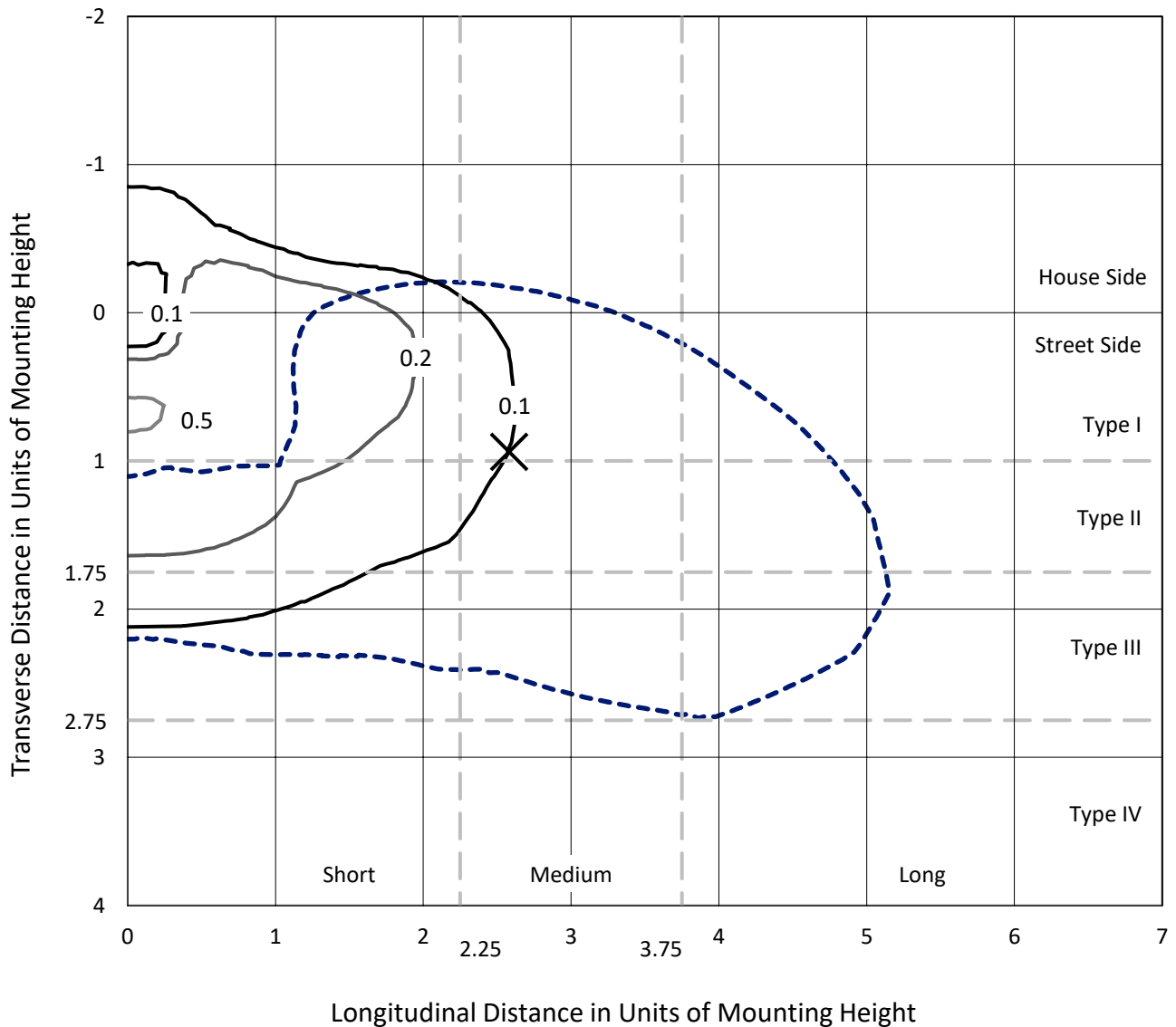
Input Watts (W): 21.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

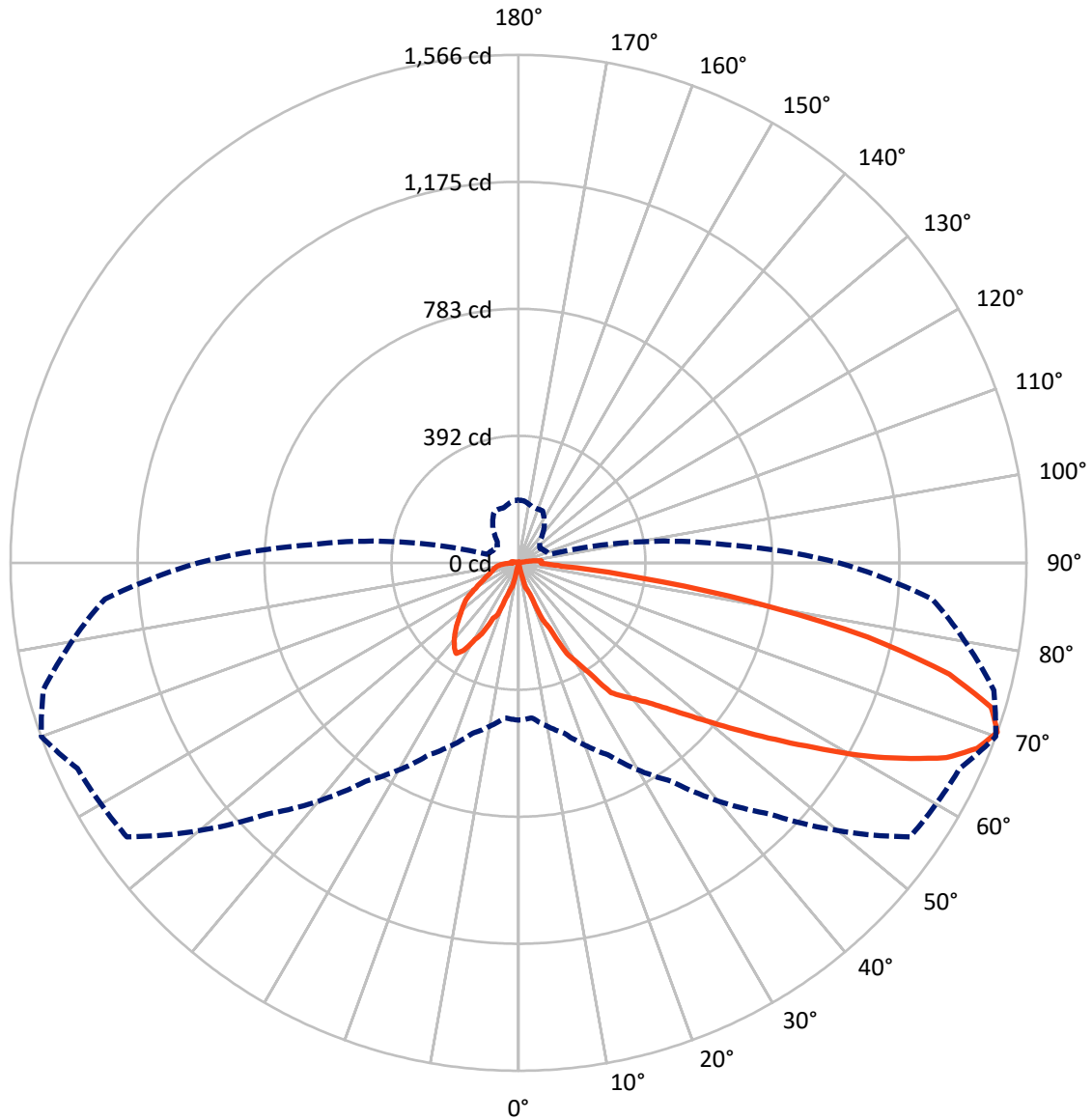
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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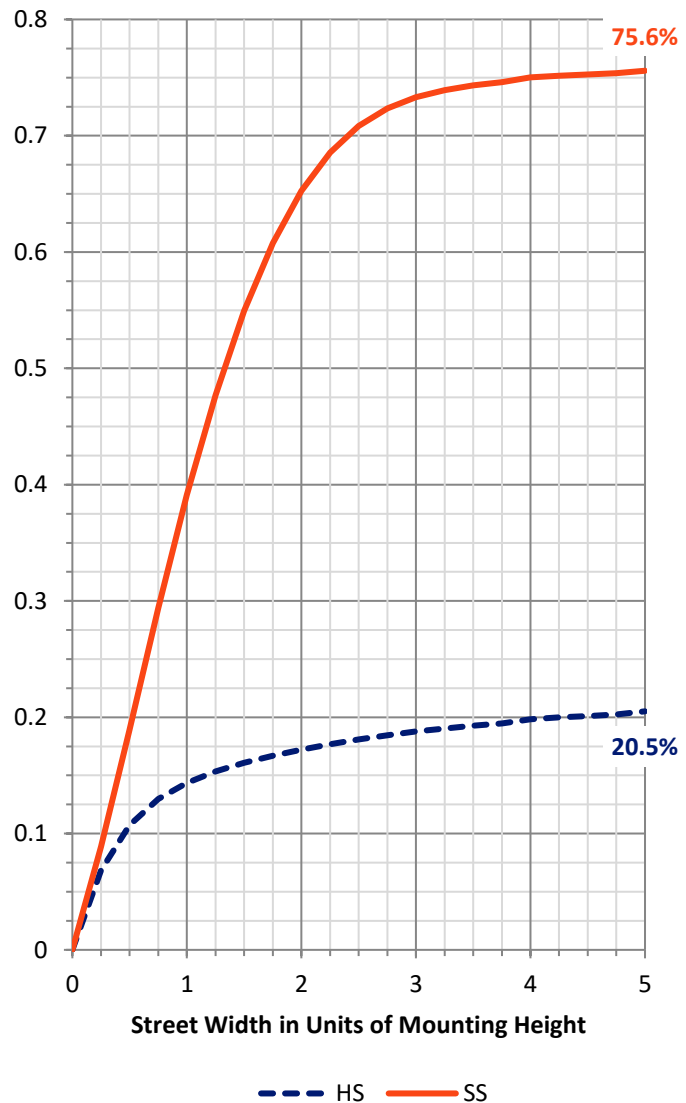
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	522.7	25.9	548.6
	% Fixture	21.8	1.1	22.8
<b>Street Side</b>	Lumens	1830.6	22.8	1853.4
	% Fixture	76.2	0.9	77.2
<b>Total</b>	Lumens	2353.3	48.7	2402.0
	% Fixture	98.0	2.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.2	0.0
10°-20°	17.1	0.7
20°-30°	98.1	4.1
30°-40°	226.6	9.4
40°-50°	331.9	13.8
50°-60°	490.8	20.4
60°-70°	643.8	26.8
70°-80°	437.2	18.2
80°-90°	107.6	4.5
90°-100°	35.3	1.5
100°-110°	6.3	0.3
110°-120°	2.5	0.1
120°-130°	2.0	0.1
130°-140°	1.4	0.1
140°-150°	1.1	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2353.3	98.0
0°-180°	2402.0	100.0

**Coefficient of Utilization**

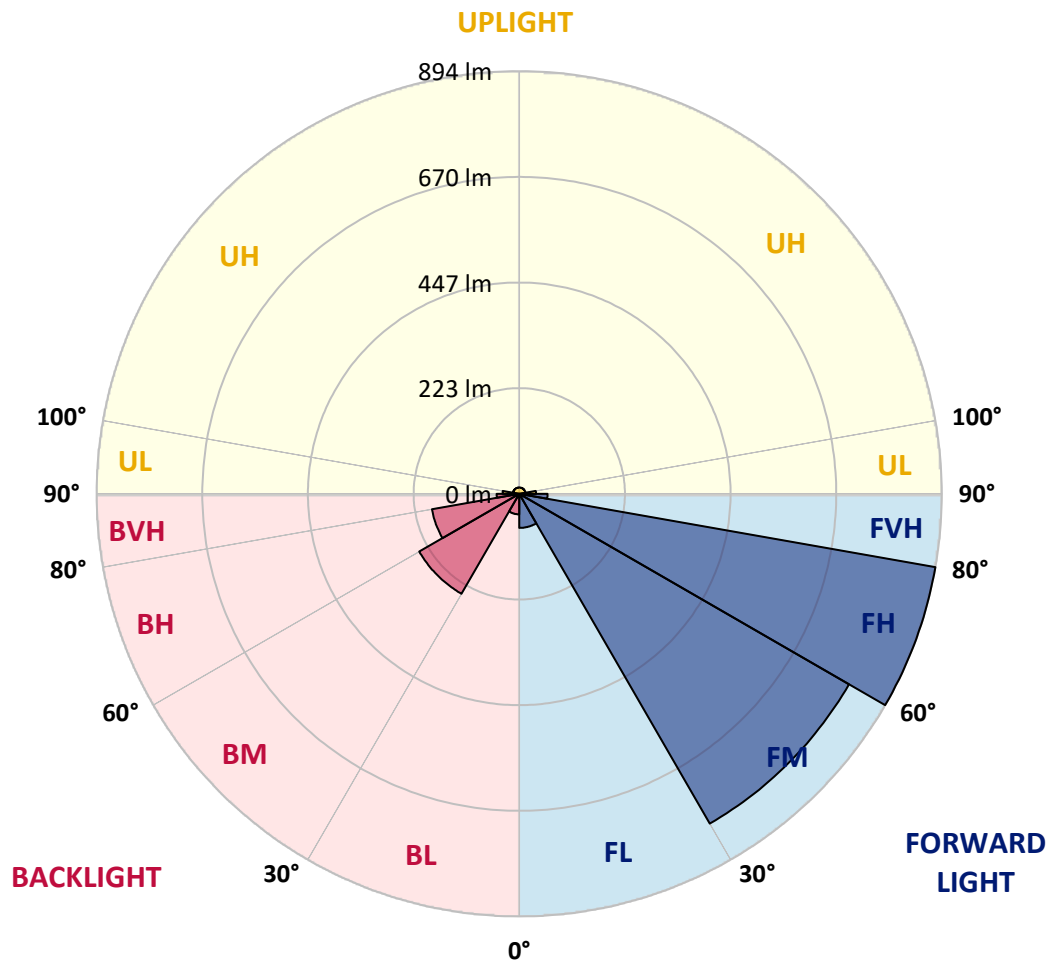


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	72.1	3.0			
FM (30°-60°)	805.2	33.5			
FH (60°-80°)	893.6	37.2			G1/1800
FVH (80°-90°)	59.8	2.5			G1/100
BL (0°-30°)	43.4	1.8	B0/110		
BM (30°-60°)	244.1	10.2	B1/1000		
BH (60°-80°)	187.4	7.8	B1/500		G1/500
BVH (80°-90°)	47.8	2.0			G1/100
UL (90°-100°)	35.3	1.5		U2/50	
UH (100°-180°)	13.3	0.6		U2/50	

**BUG Rating: B1-U2-G1**  
 Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
2.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
5°	1.7	1.7	1.7	1.7	2.5	2.5	1.7	1.7	1.7	1.7	1.7
7.5°	2.5	1.7	1.7	2.5	2.5	2.5	2.5	1.7	1.7	1.7	1.7
10°	14.3	15.1	10.1	5.9	4.2	2.5	2.5	2.5	2.5	2.5	2.5
12.5°	77.3	76.5	74.8	52.1	18.5	5.9	4.2	7.6	9.2	11.8	16.8
15°	87.4	88.3	85.7	84.9	79.9	30.3	16.0	70.6	77.3	78.2	78.2
17.5°	121.9	121.0	109.3	95.8	89.9	93.3	74.8	84.1	87.4	89.1	89.9
20°	205.1	204.3	201.7	172.3	111.0	136.2	132.0	100.0	105.9	136.2	173.2
22.5°	228.6	227.0	223.6	215.2	222.8	155.5	151.3	175.7	190.8	200.1	199.2
25°	350.5	353.9	291.7	242.1	246.3	212.7	228.6	227.0	222.8	224.4	227.0
27.5°	390.0	386.7	381.6	357.3	274.0	289.2	260.6	290.0	316.9	332.0	327.8
30°	500.2	499.3	439.6	397.6	359.8	313.5	324.5	365.7	356.4	358.9	345.5
32.5°	584.2	583.4	575.0	490.9	407.7	354.7	385.0	386.7	410.2	456.5	460.7
35°	617.0	613.6	607.8	546.4	464.0	417.8	406.9	478.3	491.8	493.4	481.7
37.5°	650.6	646.4	641.4	573.3	519.5	443.0	466.5	521.2	521.2	532.1	502.7
40°	670.0	670.0	669.1	596.0	544.7	465.7	496.0	554.0	552.3	559.8	532.1
42.5°	694.3	691.8	701.1	619.5	570.8	489.2	524.5	585.1	590.1	609.4	571.6
45°	728.8	732.2	736.4	670.0	606.1	523.7	558.2	633.8	638.9	664.9	628.8
47.5°	766.6	770.8	786.0	722.9	663.2	567.4	586.7	689.3	701.1	733.0	701.1
50°	813.7	814.5	836.4	775.9	736.4	629.6	638.9	743.1	774.2	802.8	783.4
52.5°	847.3	850.7	877.6	844.0	803.6	704.4	714.5	812.9	861.6	896.9	872.6
55°	876.8	879.3	904.5	896.1	859.9	761.6	812.9	907.0	961.7	991.9	981.8
57.5°	887.7	890.2	928.0	934.8	917.1	833.9	916.3	1000.3	1073.5	1107.1	1090.3
60°	880.1	880.1	926.4	962.5	980.1	913.7	1025.5	1105.4	1204.6	1227.3	1233.2
62.5°	854.9	861.6	917.9	974.3	1025.5	991.9	1136.5	1235.7	1327.3	1348.3	1334.9
65°	799.4	801.1	860.8	949.0	1030.6	1076.8	1278.6	1345.8	1449.2	1441.6	1384.5
67.5°	694.3	682.6	734.7	859.1	975.1	1120.5	1397.1	1439.1	1525.7	1500.5	1371.9
70°	485.0	480.0	543.9	653.2	822.1	1095.3	1473.6	1500.5	1566.1	1517.3	1280.2
72.5°	230.3	248.8	280.8	374.1	569.9	924.7	1452.6	1494.6	1524.0	1468.5	1112.1
75°	100.9	103.4	120.2	169.8	293.4	584.2	1271.0	1342.5	1371.9	1308.8	875.9
77.5°	72.3	72.3	79.9	92.5	133.7	279.1	865.8	1063.4	1101.2	1039.8	613.6
80°	56.3	56.3	62.2	70.6	83.2	115.2	539.7	712.8	726.3	635.5	342.1
82.5°	42.0	43.7	48.8	53.0	61.4	79.0	231.2	366.5	375.8	295.1	179.0
85°	30.3	30.3	33.6	33.6	40.3	61.4	119.4	134.5	133.7	118.5	111.0
87.5°	10.1	10.1	8.4	10.1	16.8	38.7	74.8	75.7	72.3	82.4	93.3
90°	11.8	11.8	8.4	9.2	12.6	35.3	72.3	72.3	68.9	74.0	93.3
92.5°	12.6	12.6	9.2	9.2	10.9	31.1	73.1	76.5	72.3	74.8	92.5
95°	12.6	12.6	9.2	8.4	10.1	21.0	70.6	70.6	68.1	66.4	73.1
97.5°	7.6	7.6	5.9	6.7	8.4	10.9	42.0	43.7	38.7	30.3	39.5
100°	5.0	5.0	4.2	5.0	5.9	5.9	20.2	21.0	16.0	7.6	8.4
102.5°	5.0	5.0	3.4	4.2	3.4	3.4	5.9	7.6	5.0	5.0	6.7
105°	5.0	5.9	2.5	2.5	2.5	2.5	2.5	5.0	4.2	4.2	6.7
107.5°	5.0	5.0	2.5	2.5	2.5	2.5	1.7	2.5	3.4	4.2	7.6
110°	2.5	3.4	1.7	2.5	1.7	2.5	1.7	2.5	3.4	3.4	5.9

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	1.7	1.7	0.8	1.7	1.7	1.7	1.7	2.5	2.5	2.5	4.2
115°	1.7	1.7	0.8	0.8	0.8	1.7	1.7	1.7	2.5	2.5	4.2
117.5°	1.7	1.7	0.8	0.8	0.8	0.8	1.7	1.7	1.7	2.5	4.2
120°	2.5	1.7	0.8	0.8	0.8	0.8	1.7	1.7	2.5	2.5	4.2
122.5°	2.5	1.7	0.8	0.8	0.8	0.8	0.8	1.7	1.7	2.5	4.2
125°	2.5	1.7	0.8	0.8	0.8	0.8	0.8	1.7	1.7	2.5	4.2
127.5°	1.7	1.7	0.8	0.8	0.8	0.8	0.8	1.7	1.7	2.5	4.2
130°	1.7	1.7	0.8	0.8	0.8	0.8	0.8	1.7	1.7	2.5	3.4
132.5°	1.7	1.7	0.8	0.8	0.8	0.8	1.7	1.7	1.7	1.7	3.4
135°	1.7	1.7	0.8	0.8	0.8	0.8	1.7	1.7	1.7	1.7	2.5
137.5°	1.7	1.7	0.8	0.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7
140°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
142.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
145°	2.5	2.5	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
147.5°	2.5	2.5	2.5	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.5
150°	2.5	2.5	2.5	1.7	1.7	0.8	1.7	1.7	1.7	1.7	2.5
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
2.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.5	2.5
5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.5
7.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
10°	2.5	2.5	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.5
12.5°	15.1	15.1	11.8	5.9	2.5	1.7	1.7	1.7	2.5	4.2	3.4
15°	79.9	79.9	78.2	71.5	15.1	4.2	3.4	7.6	33.6	60.5	61.4
17.5°	91.6	90.8	89.1	84.9	75.7	26.9	26.1	70.6	75.7	79.0	79.9
20°	172.3	170.6	132.0	94.1	82.4	81.5	71.5	79.9	82.4	84.1	84.9
22.5°	196.7	194.2	184.9	163.1	94.1	111.0	104.2	86.6	129.5	138.7	138.7
25°	226.1	219.4	200.9	175.7	160.6	116.8	120.2	126.1	133.7	135.3	135.3
27.5°	322.0	316.1	289.2	193.3	172.3	137.9	139.5	127.8	134.5	153.8	156.4
30°	337.1	327.8	303.5	238.7	179.0	154.7	133.7	149.6	157.2	156.4	157.2
32.5°	448.9	439.6	390.0	245.5	192.5	145.4	146.3	149.6	154.7	163.1	169.0
35°	466.5	456.5	400.1	279.1	184.1	144.6	144.6	151.3	174.0	177.4	177.4
37.5°	485.9	477.5	395.9	260.6	185.8	144.6	140.4	154.7	163.9	163.1	163.1
40°	519.5	506.0	385.0	237.9	169.0	138.7	140.4	145.4	150.5	145.4	142.9
42.5°	559.0	534.6	370.7	214.4	155.5	131.1	132.8	134.5	134.5	125.3	124.4
45°	609.4	564.0	351.4	192.5	142.9	121.9	126.1	123.6	123.6	116.0	115.2
47.5°	666.6	594.3	327.8	173.2	132.0	113.5	119.4	116.8	118.5	111.8	111.0
50°	733.0	633.8	305.1	158.9	122.7	109.3	112.6	116.0	118.5	110.1	109.3
52.5°	802.8	672.5	289.2	142.9	114.3	104.2	115.2	116.0	117.7	109.3	109.3
55°	888.5	720.4	269.8	131.1	108.4	100.0	121.0	121.0	118.5	111.0	110.1
57.5°	981.0	768.3	233.7	120.2	103.4	97.5	123.6	127.8	121.9	112.6	112.6
60°	1066.7	816.2	192.5	111.8	98.4	96.7	125.3	131.1	126.1	117.7	117.7
62.5°	1132.3	839.8	161.4	105.1	92.5	94.1	124.4	137.9	136.2	132.0	132.0
65°	1139.9	818.8	135.3	99.2	87.4	93.3	122.7	144.6	145.4	152.2	153.0
67.5°	1099.5	751.5	115.2	94.1	83.2	90.8	123.6	158.9	163.1	175.7	174.0
70°	988.6	642.2	100.0	88.3	79.9	91.6	138.7	176.5	175.7	191.7	193.3
72.5°	825.5	508.6	90.8	84.9	81.5	98.4	156.4	181.6	178.2	195.9	194.2
75°	626.3	358.9	83.2	80.7	79.0	100.0	160.6	176.5	169.8	181.6	179.9
77.5°	411.9	236.2	75.7	75.7	76.5	95.8	153.8	168.1	159.7	167.3	166.4
80°	232.0	140.4	68.1	71.5	73.1	91.6	143.7	156.4	147.9	153.8	153.8
82.5°	139.5	100.0	59.7	65.6	67.2	90.8	134.5	145.4	137.9	141.2	137.0
85°	95.0	73.1	47.1	55.5	63.0	87.4	126.9	134.5	121.0	118.5	115.2
87.5°	77.3	57.2	26.1	35.3	47.1	74.8	100.9	101.7	89.1	87.4	86.6
90°	75.7	53.0	18.5	19.3	31.1	52.1	66.4	63.9	59.7	60.5	59.7
92.5°	74.0	50.4	20.2	21.0	31.1	41.2	56.3	55.5	51.3	55.5	54.6
95°	63.0	43.7	21.0	22.7	26.9	25.2	41.2	43.7	40.3	42.9	43.7
97.5°	32.8	23.5	20.2	22.7	20.2	15.1	24.4	27.7	21.0	16.8	18.5
100°	10.9	7.6	20.2	23.5	15.1	10.9	17.7	20.2	12.6	5.0	5.0
102.5°	6.7	6.7	14.3	18.5	10.9	5.9	11.8	14.3	9.2	4.2	4.2
105°	6.7	6.7	5.9	10.1	4.2	3.4	4.2	7.6	5.0	4.2	4.2
107.5°	7.6	6.7	3.4	3.4	3.4	2.5	2.5	3.4	3.4	4.2	4.2
110°	6.7	5.9	3.4	3.4	2.5	2.5	2.5	2.5	3.4	5.0	5.0

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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	4.2	5.0	3.4	2.5	2.5	2.5	2.5	2.5	3.4	5.0	5.0
115°	4.2	4.2	2.5	2.5	1.7	2.5	2.5	2.5	3.4	5.0	5.9
117.5°	5.0	4.2	2.5	1.7	1.7	1.7	1.7	2.5	3.4	5.9	5.9
120°	5.0	4.2	2.5	2.5	1.7	1.7	1.7	2.5	3.4	5.9	6.7
122.5°	5.0	4.2	2.5	1.7	1.7	1.7	1.7	2.5	3.4	5.9	6.7
125°	4.2	4.2	2.5	1.7	1.7	1.7	1.7	2.5	3.4	5.9	5.9
127.5°	4.2	4.2	2.5	1.7	1.7	1.7	1.7	2.5	3.4	5.9	5.9
130°	4.2	3.4	2.5	1.7	1.7	1.7	1.7	2.5	3.4	5.0	5.9
132.5°	3.4	3.4	2.5	1.7	1.7	1.7	1.7	1.7	3.4	5.0	5.0
135°	2.5	2.5	1.7	1.7	1.7	1.7	1.7	1.7	2.5	3.4	4.2
137.5°	1.7	1.7	1.7	1.7	0.8	0.8	1.7	1.7	2.5	2.5	3.4
140°	1.7	1.7	1.7	1.7	0.8	0.8	1.7	1.7	1.7	2.5	2.5
142.5°	1.7	1.7	1.7	1.7	0.8	0.8	1.7	1.7	1.7	2.5	2.5
145°	1.7	1.7	1.7	1.7	0.8	0.8	1.7	1.7	1.7	2.5	2.5
147.5°	2.5	1.7	1.7	1.7	0.8	0.8	1.7	1.7	1.7	2.5	2.5
150°	2.5	1.7	1.7	0.8	0.8	0.8	0.8	1.7	1.7	2.5	2.5
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)