

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: P694516

Luminaire Tested: **LXF.LXT-PA16-20-727-U-T4W-A**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P694516  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-22)  
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-T4W-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS  
AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2338 lumens  
Efficiency: N/A  
Efficacy: 107.2 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U3 - G2

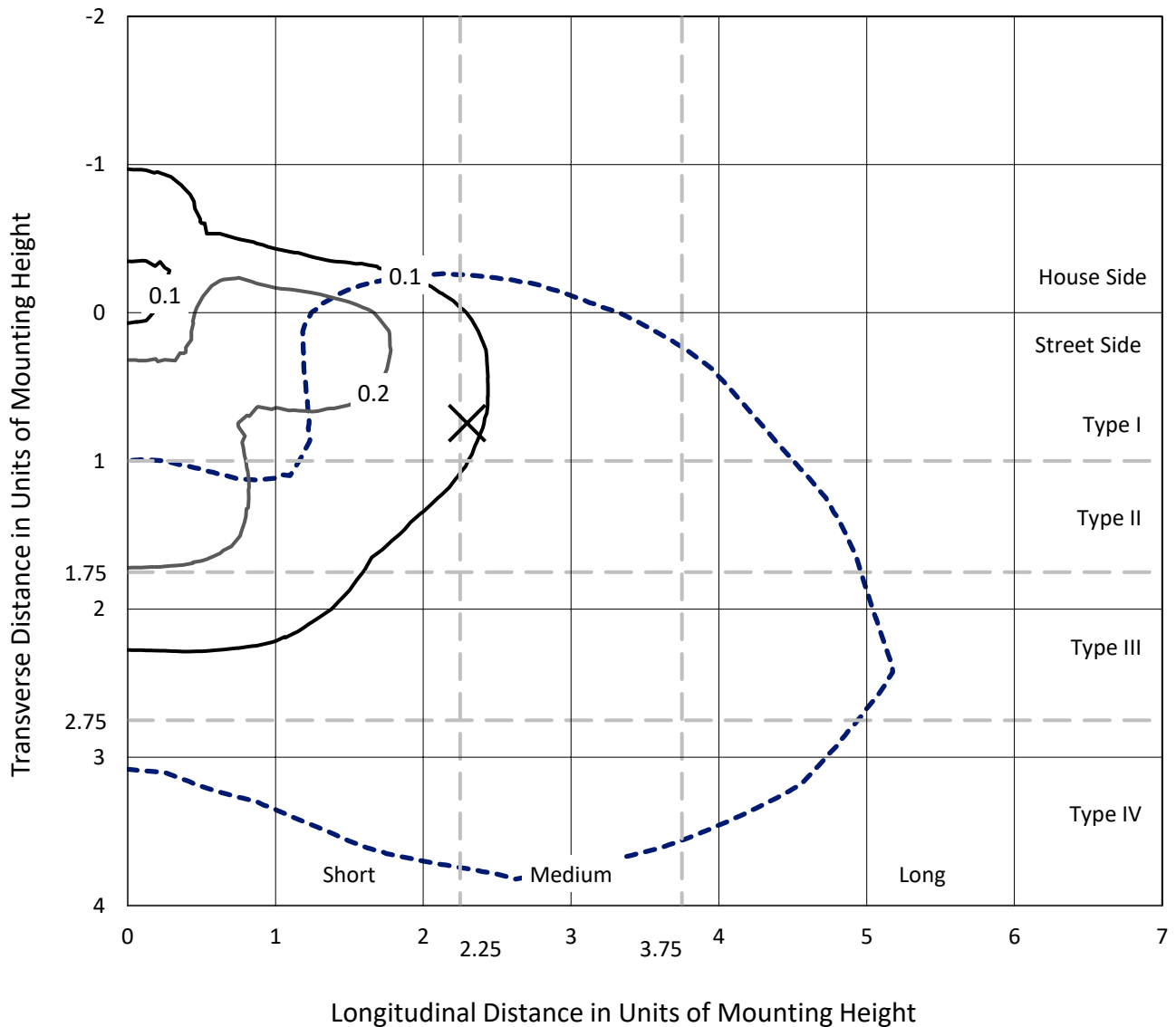
Input Watts (W): 21.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

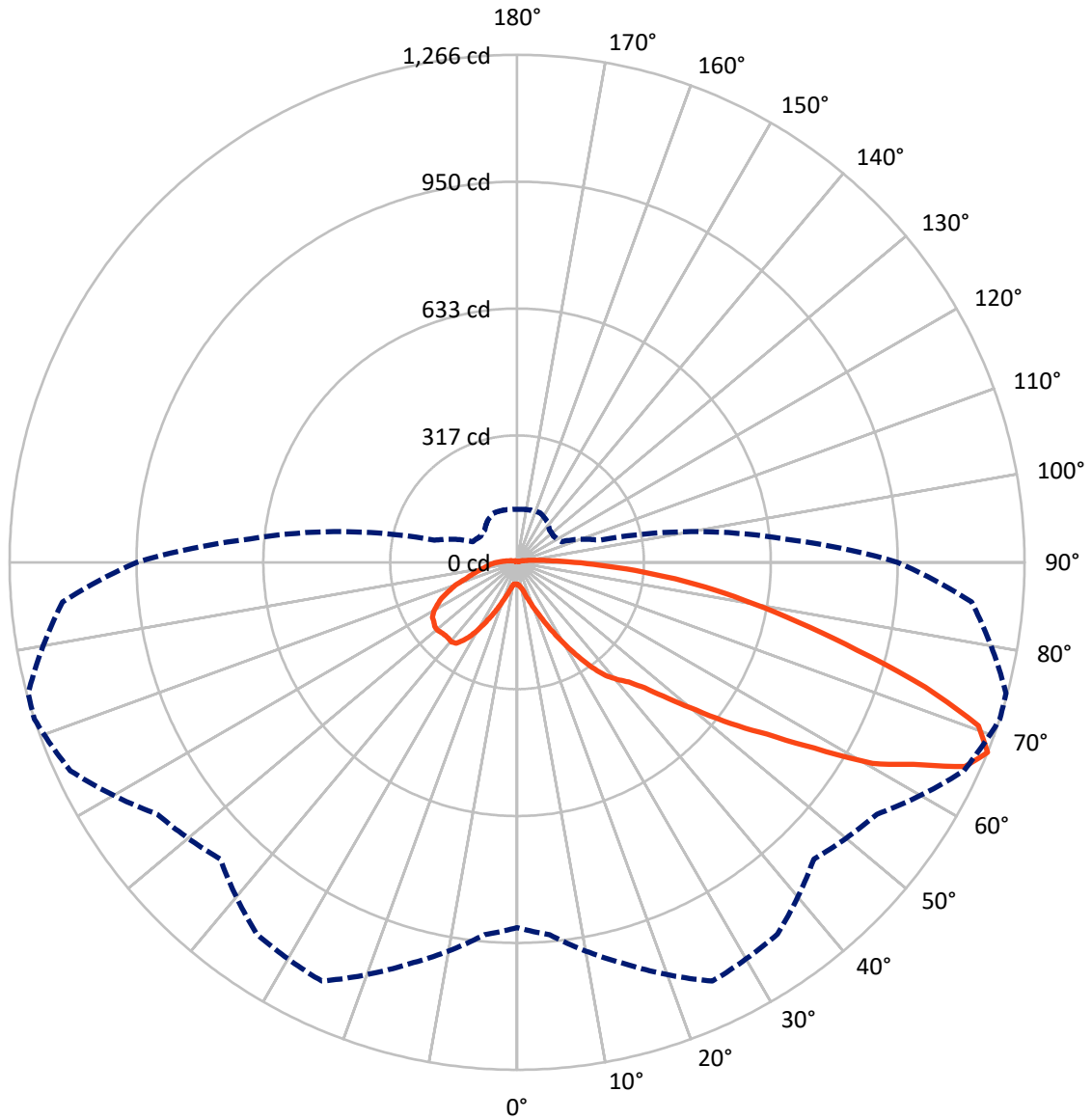
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.4 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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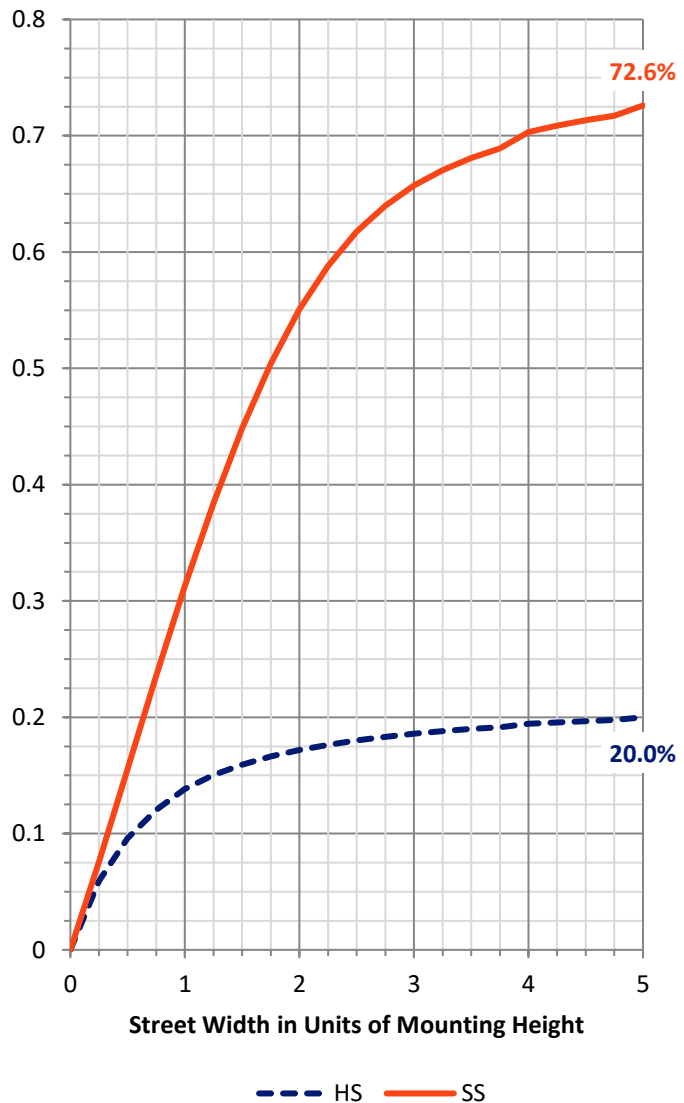
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	493.4	42.4	535.8
	% Fixture	21.1	1.8	22.9
<b>Street Side</b>	Lumens	1757.0	45.2	1802.1
	% Fixture	75.1	1.9	77.1
<b>Total</b>	Lumens	2250.4	87.6	2338.0
	% Fixture	96.3	3.7	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	5.6	0.2
10°-20°	24.2	1.0
20°-30°	73.4	3.1
30°-40°	165.2	7.1
40°-50°	265.1	11.3
50°-60°	429.8	18.4
60°-70°	626.9	26.8
70°-80°	470.0	20.1
80°-90°	190.2	8.1
90°-100°	52.8	2.3
100°-110°	17.3	0.7
110°-120°	8.0	0.3
120°-130°	4.8	0.2
130°-140°	3.1	0.1
140°-150°	1.5	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2250.4	96.3
0°-180°	2338.0	100.0

**Coefficient of Utilization**

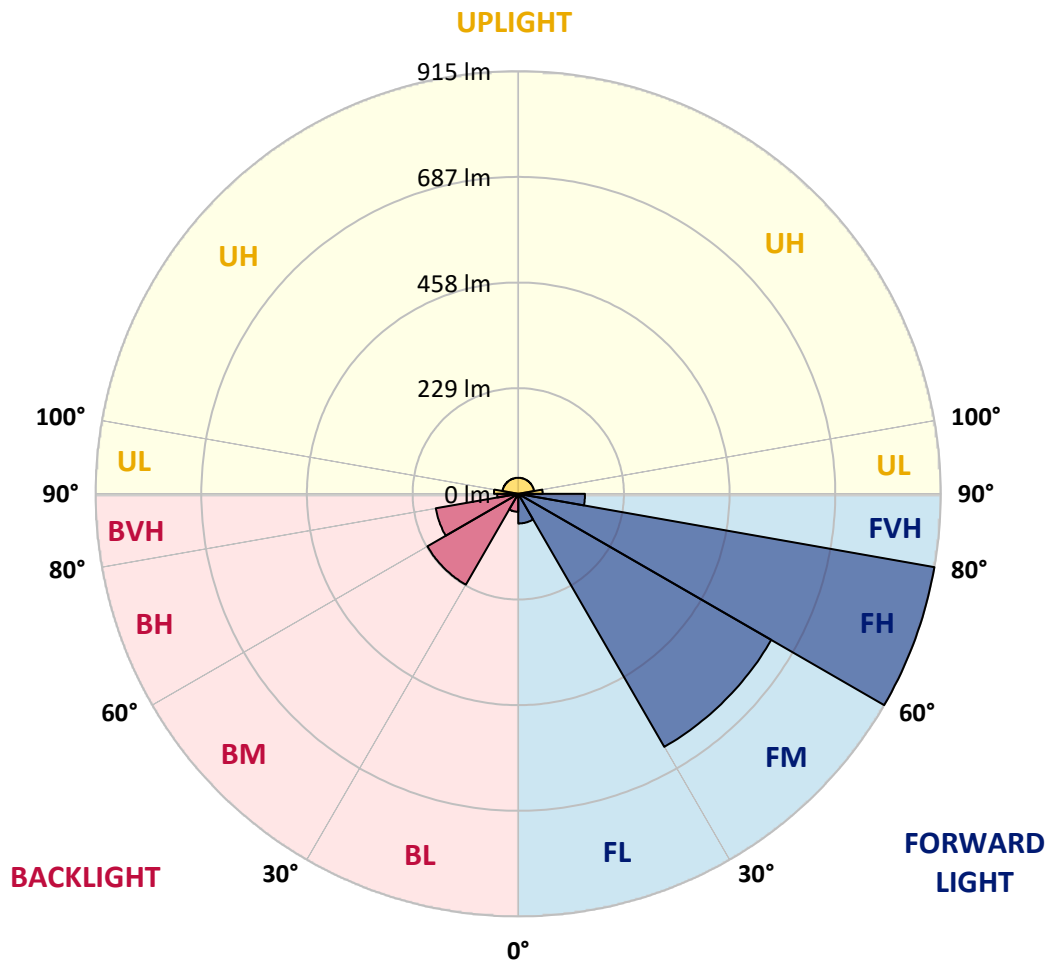


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	64.3	2.7			
FM (30°-60°)	632.9	27.1			
FH (60°-80°)	915.4	39.2			G1/1800
FVH (80°-90°)	144.4	6.2			G2/225
BL (0°-30°)	38.9	1.7	B0/110		
BM (30°-60°)	227.3	9.7	B1/1000		
BH (60°-80°)	181.5	7.8	B1/500		G1/500
BVH (80°-90°)	45.8	2.0			G1/100
UL (90°-100°)	52.8	2.3		U3/500	
UH (100°-180°)	34.8	1.5		U2/50	

**BUG Rating: B1-U3-G2**  
 Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
2.5°	58.0	58.0	58.0	58.0	58.0	58.0	58.0	57.1	56.3	56.3	55.5
5°	63.0	63.0	63.0	63.0	63.0	62.2	60.5	59.7	58.8	58.0	57.1
7.5°	70.6	69.7	69.7	68.9	68.1	67.2	65.5	63.9	62.2	61.3	59.7
10°	79.8	79.8	79.0	77.3	76.5	73.1	71.4	68.9	67.2	66.4	63.9
12.5°	96.6	95.0	94.1	91.6	87.4	83.2	79.8	77.3	75.6	75.6	72.3
15°	116.0	115.1	113.4	106.7	101.7	95.8	91.6	89.9	89.1	87.4	84.9
17.5°	139.5	139.5	136.1	126.9	118.5	112.6	107.6	105.0	104.2	104.2	101.7
20°	169.7	169.7	163.0	149.6	139.5	131.9	126.0	122.7	122.7	121.8	120.2
22.5°	205.0	206.7	196.6	179.0	162.2	151.3	144.5	143.7	143.7	147.1	145.4
25°	246.2	246.2	233.6	210.9	191.6	172.3	167.2	170.6	173.1	176.5	177.3
27.5°	299.1	297.5	276.5	247.9	217.6	196.6	190.7	197.5	205.0	207.6	212.6
30°	359.6	357.1	331.1	290.7	249.6	218.5	216.0	228.6	242.0	244.5	251.2
32.5°	410.9	412.6	383.2	338.6	282.3	245.4	242.8	263.0	279.8	285.7	298.3
35°	473.1	473.9	438.6	382.3	314.3	270.6	269.7	297.5	321.8	329.4	342.8
37.5°	499.1	504.2	477.3	420.1	346.2	297.5	295.8	330.2	358.0	366.4	381.5
40°	526.0	529.4	501.7	447.9	372.2	321.0	321.8	358.8	384.0	394.1	402.5
42.5°	581.5	583.2	545.3	477.3	394.1	345.4	346.2	379.8	408.4	421.0	436.1
45°	631.1	638.6	601.6	523.5	423.5	366.4	368.0	414.3	446.2	463.8	482.3
47.5°	701.6	701.6	671.4	584.8	467.2	394.9	404.2	463.0	506.7	521.8	548.7
50°	764.7	765.5	742.8	651.2	515.9	434.4	451.2	524.3	579.8	597.4	633.6
52.5°	816.8	817.6	801.6	727.7	582.3	486.5	505.9	605.9	668.0	689.9	721.8
55°	881.5	877.3	867.2	804.2	657.9	553.8	582.3	692.4	757.1	786.5	825.2
57.5°	950.4	945.3	949.5	887.3	744.5	636.9	666.4	784.8	874.7	912.6	957.1
60°	988.2	989.9	1021.8	996.6	849.5	740.3	773.1	926.0	1019.3	1048.7	1058.8
62.5°	1006.7	1008.3	1063.0	1079.8	973.9	848.7	894.9	1042.8	1110.0	1147.0	1139.4
65°	1001.6	1008.3	1095.7	1142.0	1078.1	965.5	1015.1	1152.9	1228.5	1247.8	1189.0
67.5°	911.7	932.7	1036.9	1152.9	1132.7	1047.0	1095.7	1230.2	1266.3	1263.0	1138.6
70°	772.2	778.1	903.3	1071.4	1116.7	1043.6	1103.3	1214.2	1220.9	1203.3	1026.8
72.5°	594.1	608.4	721.8	904.2	1005.8	968.9	1019.3	1106.7	1065.5	1021.0	828.5
75°	436.1	430.2	525.2	702.5	832.7	837.8	887.3	938.6	877.3	841.1	676.4
77.5°	295.8	310.1	378.1	520.1	654.6	700.0	749.5	756.3	715.9	686.5	517.6
80°	202.5	205.0	256.3	379.8	510.9	574.8	618.5	633.6	575.6	542.0	390.7
82.5°	116.0	118.5	162.2	273.1	400.8	474.8	519.3	515.1	448.7	415.1	271.4
85°	64.7	65.5	94.1	168.9	301.7	379.8	418.5	384.9	318.5	287.4	178.1
87.5°	38.7	40.3	56.3	108.4	205.0	294.1	313.4	268.1	205.9	183.2	117.6
90°	24.4	26.0	34.5	63.9	131.9	206.7	212.6	168.9	127.7	115.1	79.8
92.5°	16.0	16.8	22.7	39.5	81.5	130.2	136.1	101.7	79.0	70.6	54.6
95°	12.6	12.6	16.0	26.9	50.4	76.5	82.3	61.3	51.3	46.2	37.8
97.5°	10.1	10.1	12.6	19.3	34.5	47.9	49.6	40.3	34.5	33.6	28.6
100°	8.4	9.2	10.9	15.1	24.4	31.9	31.9	27.7	25.2	25.2	22.7
102.5°	7.6	7.6	9.2	12.6	19.3	24.4	23.5	21.0	19.3	19.3	18.5
105°	7.6	6.7	8.4	10.1	15.1	18.5	17.6	16.0	15.1	14.3	14.3
107.5°	6.7	5.9	6.7	8.4	12.6	15.1	14.3	12.6	11.8	10.9	11.8
110°	5.9	5.9	5.9	7.6	10.1	12.6	11.8	10.1	9.2	9.2	9.2

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	5.0	5.0	5.0	6.7	8.4	10.1	10.1	8.4	7.6	6.7	7.6
115°	5.0	5.0	5.0	5.9	7.6	9.2	8.4	6.7	5.9	5.9	6.7
117.5°	4.2	4.2	4.2	5.9	6.7	7.6	7.6	5.9	5.0	5.0	5.9
120°	4.2	4.2	4.2	5.0	6.7	6.7	6.7	5.0	5.0	5.0	5.9
122.5°	4.2	4.2	4.2	5.0	5.9	6.7	5.9	5.0	4.2	4.2	5.0
125°	4.2	4.2	4.2	5.0	5.9	5.9	5.0	4.2	4.2	4.2	5.0
127.5°	4.2	4.2	4.2	5.0	5.0	5.0	5.0	4.2	4.2	4.2	5.0
130°	4.2	4.2	4.2	4.2	5.0	5.0	4.2	4.2	4.2	4.2	4.2
132.5°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	3.4	4.2	4.2	4.2
135°	4.2	4.2	4.2	4.2	4.2	4.2	3.4	3.4	3.4	3.4	4.2
137.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	4.2
140°	3.4	3.4	3.4	3.4	3.4	3.4	2.5	2.5	2.5	2.5	3.4
142.5°	3.4	3.4	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
145°	2.5	2.5	2.5	2.5	2.5	2.5	1.7	1.7	1.7	2.5	2.5
147.5°	2.5	2.5	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
150°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
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°	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
2.5°	55.5	55.5	54.6	53.8	53.8	53.8	53.8	53.8	52.9	52.9	52.9
5°	56.3	55.5	54.6	53.8	52.9	52.1	51.3	51.3	50.4	50.4	50.4
7.5°	58.8	58.0	55.5	53.8	52.1	51.3	50.4	49.6	48.7	47.9	47.9
10°	63.0	61.3	58.0	55.5	52.9	51.3	49.6	48.7	47.9	47.9	47.1
12.5°	70.6	68.9	63.9	59.7	55.5	52.9	50.4	49.6	49.6	49.6	50.4
15°	83.2	80.7	73.9	68.1	61.3	56.3	54.6	55.5	56.3	57.1	57.1
17.5°	99.2	95.8	88.2	78.1	68.9	63.0	62.2	63.0	64.7	66.4	66.4
20°	117.6	113.4	101.7	89.9	78.1	73.1	70.6	72.3	74.8	78.1	77.3
22.5°	143.7	137.0	122.7	103.4	89.9	83.2	79.8	82.3	87.4	90.8	90.8
25°	173.1	164.7	146.2	120.2	101.7	91.6	89.9	94.1	103.4	108.4	108.4
27.5°	206.7	196.6	171.4	137.8	114.3	100.8	99.2	108.4	120.2	129.4	128.6
30°	246.2	234.4	201.7	156.3	126.0	108.4	110.1	122.7	138.6	149.6	149.6
32.5°	291.6	273.1	231.1	176.5	135.3	115.1	118.5	135.3	154.6	165.5	167.2
35°	334.4	312.6	255.4	191.6	142.8	121.0	125.2	147.1	169.7	183.2	183.2
37.5°	371.4	347.9	274.8	201.7	146.2	124.4	131.1	156.3	178.1	191.6	191.6
40°	389.1	361.3	280.7	203.4	147.1	126.0	134.4	160.5	181.5	192.4	191.6
42.5°	421.0	384.0	281.5	194.1	144.5	126.9	136.1	158.8	174.8	179.8	179.0
45°	463.8	415.9	285.7	185.7	138.6	125.2	134.4	152.9	162.2	163.0	161.3
47.5°	519.3	462.2	291.6	178.1	133.6	122.7	130.2	144.5	149.6	147.1	146.2
50°	595.8	515.1	300.0	169.7	130.2	118.5	126.0	138.6	142.0	137.0	136.1
52.5°	670.6	568.0	303.3	161.3	126.9	116.0	123.5	136.1	137.0	128.6	127.7
55°	761.3	625.2	299.1	152.1	125.2	115.1	123.5	134.4	131.1	122.7	121.0
57.5°	874.7	698.3	298.3	143.7	121.8	115.1	124.4	132.8	130.2	124.4	123.5
60°	945.3	729.4	284.9	138.6	119.3	116.8	126.0	135.3	131.9	125.2	124.4
62.5°	995.7	742.8	264.7	132.8	117.6	116.8	128.6	136.1	131.1	126.0	125.2
65°	1010.0	729.4	243.7	126.9	115.1	116.8	129.4	135.3	132.8	129.4	129.4
67.5°	949.5	668.9	213.4	121.8	111.8	114.3	127.7	136.1	134.4	132.8	131.9
70°	839.5	583.2	185.7	115.1	105.9	110.1	125.2	136.1	136.1	135.3	135.3
72.5°	669.7	450.4	149.6	107.6	99.2	105.0	121.8	133.6	132.8	131.9	131.1
75°	536.9	355.4	126.9	97.5	92.4	98.3	116.8	128.6	126.9	126.9	126.0
77.5°	404.2	268.9	107.6	88.2	84.0	92.4	109.2	120.2	119.3	118.5	116.8
80°	292.4	199.1	91.6	79.8	77.3	84.9	100.0	109.2	109.2	109.2	108.4
82.5°	211.8	147.1	79.8	72.3	70.6	77.3	89.9	97.5	100.8	103.4	101.7
85°	139.5	103.4	70.6	65.5	65.5	71.4	81.5	88.2	93.3	95.8	95.0
87.5°	95.0	79.0	62.2	58.0	59.7	65.5	74.8	79.8	84.0	86.6	85.7
90°	67.2	61.3	52.9	49.6	51.3	58.8	67.2	71.4	73.1	73.9	73.1
92.5°	47.9	45.4	42.0	40.3	42.9	51.3	58.8	60.5	60.5	59.7	58.0
95°	36.1	34.5	33.6	31.9	35.3	42.9	48.7	48.7	48.7	46.2	46.2
97.5°	27.7	27.7	27.7	26.0	28.6	34.5	38.7	37.8	37.8	36.1	36.1
100°	22.7	22.7	22.7	21.8	23.5	27.7	29.4	29.4	30.3	29.4	29.4
102.5°	18.5	18.5	18.5	18.5	19.3	22.7	24.4	23.5	24.4	24.4	24.4
105°	15.1	15.1	16.0	15.1	16.8	19.3	19.3	19.3	20.2	18.5	19.3
107.5°	11.8	12.6	12.6	12.6	14.3	16.0	16.8	16.0	16.0	15.1	15.1
110°	10.1	10.9	10.9	10.9	11.8	13.4	14.3	13.4	12.6	12.6	12.6

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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	8.4	9.2	9.2	9.2	10.1	11.8	11.8	10.9	10.1	10.1	10.1
115°	7.6	7.6	8.4	8.4	9.2	10.1	10.1	9.2	8.4	9.2	9.2
117.5°	6.7	6.7	7.6	7.6	7.6	8.4	8.4	7.6	7.6	8.4	8.4
120°	5.9	6.7	6.7	6.7	6.7	7.6	7.6	6.7	6.7	7.6	7.6
122.5°	5.9	5.9	5.9	5.9	6.7	6.7	6.7	5.9	5.9	6.7	6.7
125°	5.0	5.9	5.9	5.9	5.9	5.9	5.9	5.0	5.9	5.9	6.7
127.5°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.9	5.9
130°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.2	5.0	5.0	5.0
132.5°	5.0	5.0	4.2	4.2	4.2	4.2	4.2	4.2	4.2	5.0	5.0
135°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	5.0	5.0
137.5°	4.2	4.2	3.4	3.4	3.4	3.4	3.4	3.4	4.2	4.2	4.2
140°	3.4	3.4	3.4	2.5	2.5	2.5	3.4	3.4	3.4	3.4	3.4
142.5°	3.4	3.4	2.5	2.5	2.5	2.5	2.5	2.5	3.4	3.4	3.4
145°	2.5	2.5	2.5	1.7	1.7	2.5	2.5	2.5	2.5	2.5	2.5
147.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.5	2.5	2.5	2.5
150°	1.7	1.7	1.7	1.7	0.8	1.7	1.7	1.7	1.7	1.7	1.7
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)