

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: P694544

Luminaire Tested: **LXF.LXT-PA16-20-730-U-T3-TL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P694544  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-20-730-U-T3-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS AND  
TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2507 lumens  
Efficiency: N/A  
Efficacy: 115.0 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 - G2

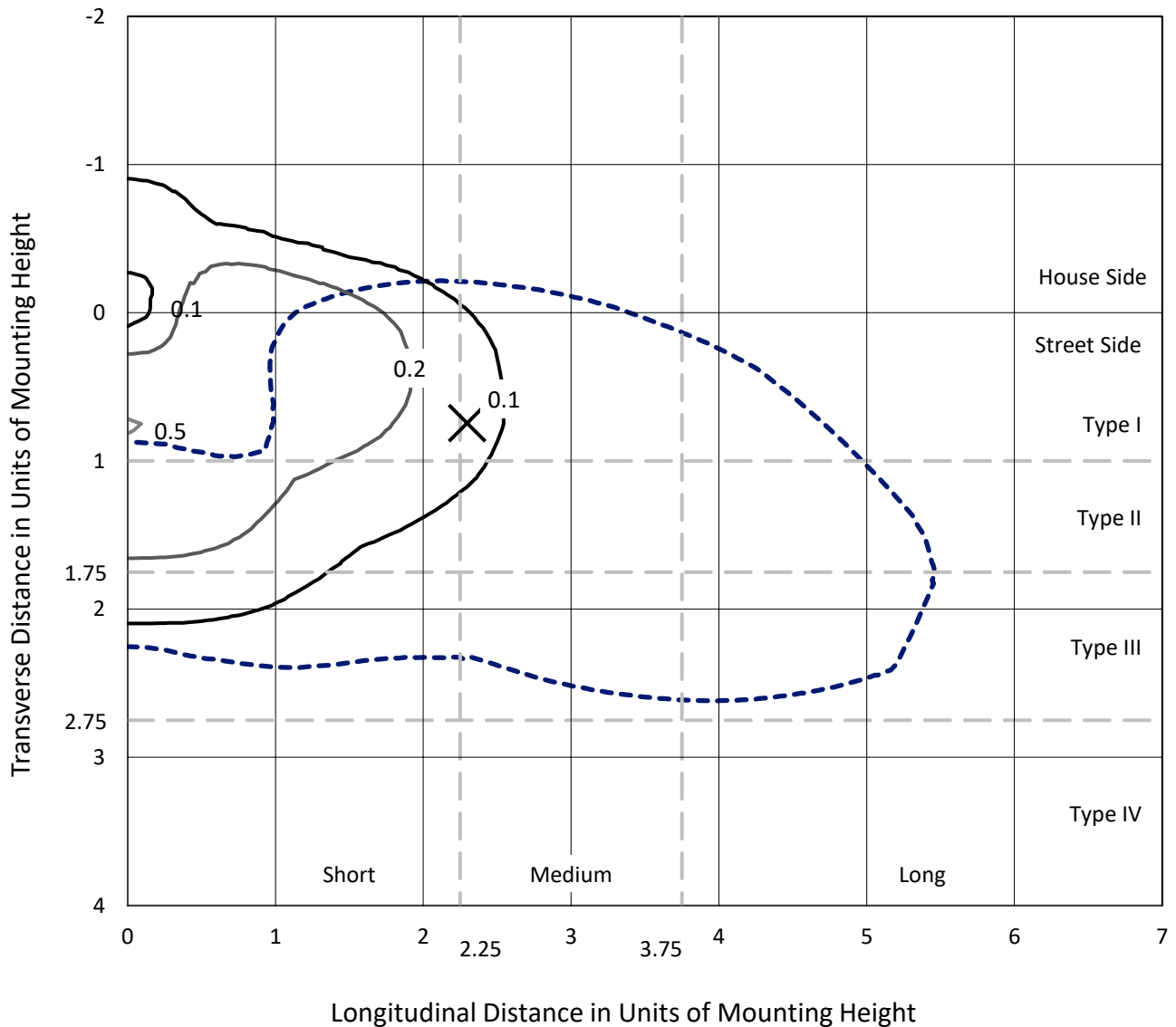
Input Watts (W): 21.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

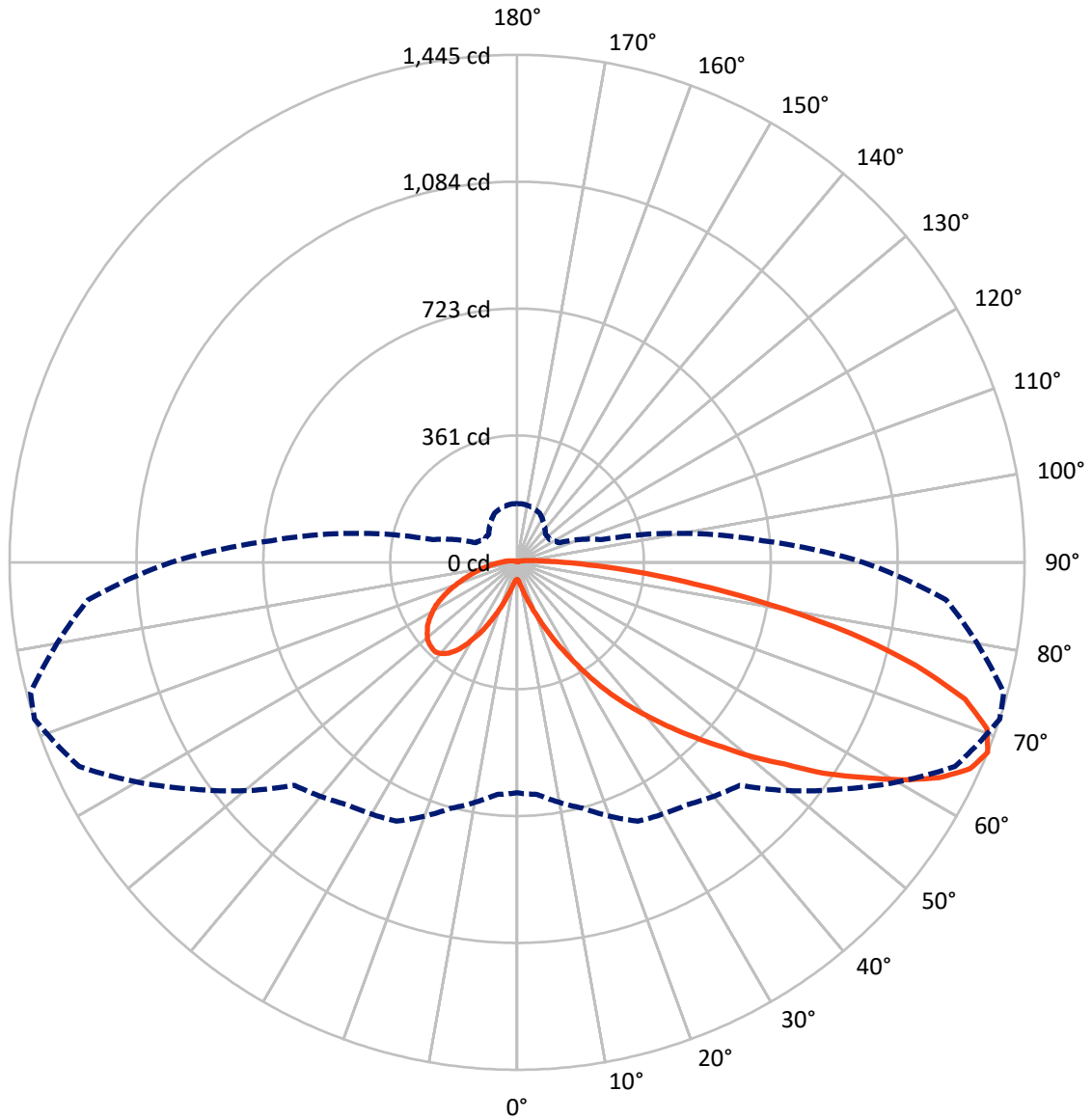
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 fc  
 Type III - 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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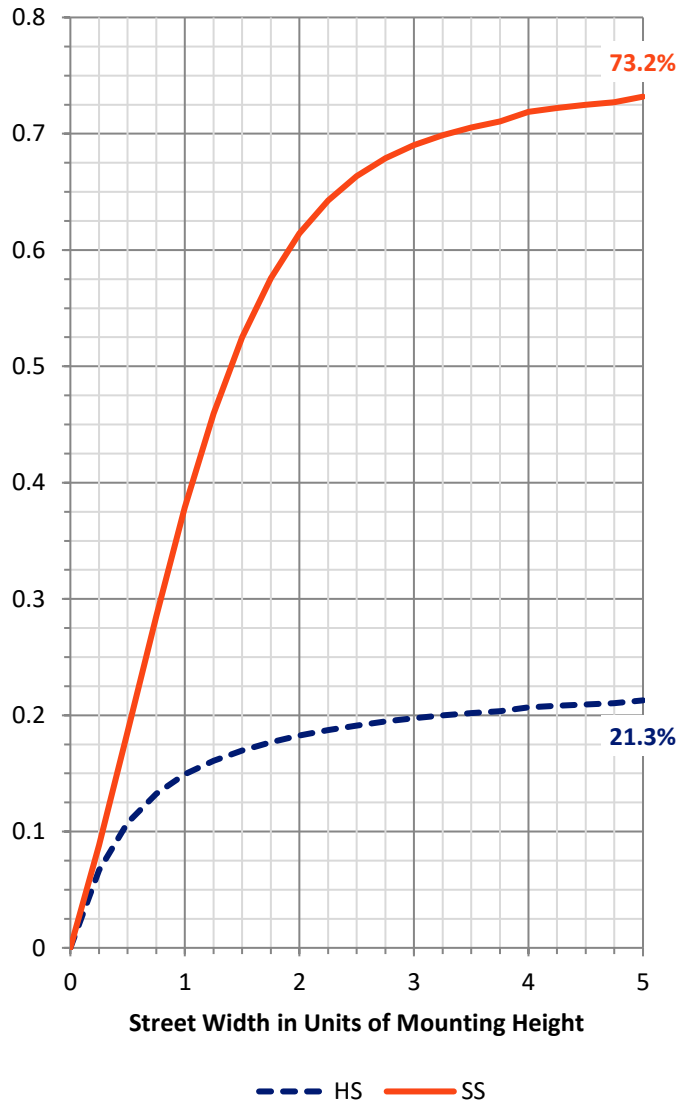
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	560.0	42.1	602.0
	% Fixture	22.3	1.7	24.0
<b>Street Side</b>	Lumens	1866.2	38.8	1905.0
	% Fixture	74.4	1.5	76.0
<b>Total</b>	Lumens	2426.2	80.8	2507.0
	% Fixture	96.8	3.2	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	5.6	0.2
10°-20°	29.6	1.2
20°-30°	94.9	3.8
30°-40°	212.2	8.5
40°-50°	353.8	14.1
50°-60°	515.0	20.5
60°-70°	617.2	24.6
70°-80°	443.1	17.7
80°-90°	154.8	6.2
90°-100°	42.4	1.7
100°-110°	18.2	0.7
110°-120°	9.4	0.4
120°-130°	5.6	0.2
130°-140°	3.5	0.1
140°-150°	1.7	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2426.2	96.8
0°-180°	2507.0	100.0

**Coefficient of Utilization**

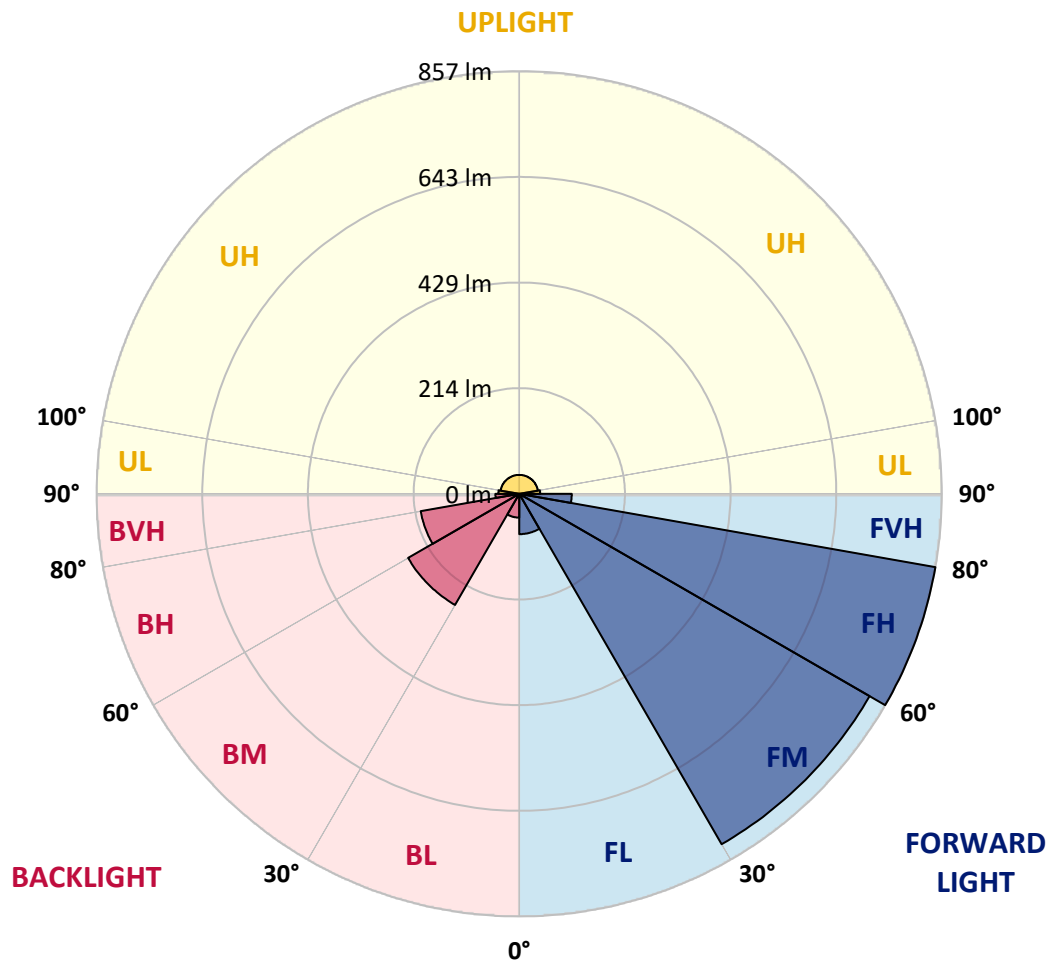


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	81.8	3.3			
FM (30°-60°)	820.7	32.7			
FH (60°-80°)	857.3	34.2			G1/1800
FVH (80°-90°)	106.5	4.2			G2/225
BL (0°-30°)	48.3	1.9	B0/110		
BM (30°-60°)	260.3	10.4	B1/1000		
BH (60°-80°)	203.0	8.1	B1/500		G1/500
BVH (80°-90°)	48.4	1.9			G1/100
UL (90°-100°)	42.4	1.7		U2/50	
UH (100°-180°)	38.4	1.5		U2/50	

**BUG Rating: B1-U2-G2**  
 Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
2.5°	52.0	52.0	52.0	53.0	52.0	52.0	52.0	51.1	51.1	51.1	50.2
5°	60.3	60.3	59.3	59.3	58.4	58.4	57.5	56.6	55.7	54.8	53.9
7.5°	70.3	70.3	69.4	69.4	68.5	66.6	65.7	63.9	63.0	62.1	61.2
10°	85.8	84.9	84.9	84.0	82.2	80.3	78.5	75.8	74.0	73.0	71.2
12.5°	105.9	105.0	104.1	100.4	98.6	95.9	93.1	91.3	89.5	87.6	84.9
15°	131.5	130.6	127.8	125.1	118.7	115.9	112.3	111.4	109.6	108.6	104.1
17.5°	162.5	159.8	157.9	151.6	145.2	138.8	136.9	135.1	134.2	133.3	130.6
20°	200.9	198.1	194.5	182.6	175.3	168.0	163.4	164.3	163.4	163.4	160.7
22.5°	247.4	248.3	238.3	222.8	206.3	197.2	195.4	198.1	199.9	201.8	196.3
25°	304.0	303.1	287.6	266.6	245.6	232.8	231.0	236.5	242.9	246.5	241.9
27.5°	367.0	362.5	346.9	315.9	289.4	270.2	271.2	283.0	289.4	292.2	288.5
30°	432.8	430.9	408.1	370.7	332.3	308.6	312.2	329.6	341.5	347.8	338.7
32.5°	504.0	498.5	472.0	428.2	378.0	348.8	357.0	381.6	400.8	401.7	397.1
35°	571.5	571.5	540.5	487.5	425.4	390.8	400.8	441.0	460.1	465.6	455.6
37.5°	638.2	633.6	607.1	541.4	472.9	431.8	445.5	493.0	519.5	525.0	512.2
40°	693.9	693.0	662.8	600.7	515.8	472.0	490.3	548.7	579.7	588.9	567.9
42.5°	750.5	746.8	723.1	652.8	567.0	513.1	537.7	609.0	643.7	649.1	627.2
45°	792.5	789.7	772.4	707.6	615.3	556.9	588.0	669.2	712.1	717.6	683.8
47.5°	832.6	832.6	818.0	764.2	665.6	606.2	645.5	740.4	785.2	794.3	755.9
50°	871.9	868.2	864.6	818.0	716.7	661.0	702.1	815.3	871.0	880.1	827.2
52.5°	894.7	900.2	904.8	872.8	774.2	713.0	770.6	896.5	955.0	967.8	910.2
55°	915.7	913.0	934.0	913.0	823.5	770.6	847.2	989.7	1060.0	1064.5	999.7
57.5°	914.8	917.5	948.6	950.4	871.9	823.5	919.4	1081.9	1154.9	1170.4	1081.9
60°	892.9	900.2	940.4	959.5	910.2	871.0	994.2	1178.7	1258.1	1273.6	1163.1
62.5°	848.2	850.9	908.4	950.4	921.2	907.5	1060.9	1268.1	1350.3	1349.4	1225.2
65°	764.2	768.7	829.9	898.4	901.1	916.6	1106.5	1341.2	1417.9	1412.4	1245.3
67.5°	656.4	663.7	724.9	813.5	842.7	897.5	1125.7	1375.9	1445.2	1434.3	1226.1
70°	521.3	539.6	588.0	681.1	755.9	836.3	1100.1	1366.7	1419.7	1405.1	1147.6
72.5°	383.5	391.7	442.8	534.1	626.3	745.9	1017.1	1291.0	1333.9	1299.2	1024.4
75°	269.3	272.1	315.0	393.5	493.0	622.7	892.0	1144.0	1174.1	1140.3	854.5
77.5°	166.2	171.6	205.4	270.2	362.5	496.7	725.8	953.2	972.3	928.5	666.5
80°	102.3	105.9	129.6	178.9	252.0	362.5	561.5	724.0	730.4	700.3	476.6
82.5°	65.7	69.4	84.9	115.0	168.0	252.9	395.3	515.8	512.2	480.2	321.4
85°	42.9	45.6	55.7	76.7	111.4	174.4	263.9	342.4	334.2	310.4	209.1
87.5°	28.3	30.1	39.3	53.9	76.7	115.9	169.8	207.2	202.7	187.2	130.6
90°	19.2	20.1	27.4	37.4	53.9	79.4	109.6	125.1	116.9	110.5	84.9
92.5°	13.7	15.5	20.1	28.3	41.1	56.6	71.2	77.6	73.0	70.3	57.5
95°	11.0	11.0	16.4	22.8	32.0	42.9	50.2	50.2	47.5	46.6	42.0
97.5°	9.1	9.1	13.7	19.2	26.5	33.8	36.5	35.6	33.8	34.7	32.0
100°	7.3	8.2	11.9	16.4	21.9	27.4	28.3	26.5	25.6	25.6	24.7
102.5°	6.4	7.3	11.0	14.6	19.2	22.8	23.7	21.9	20.1	20.1	19.2
105°	6.4	6.4	9.1	12.8	16.4	19.2	19.2	17.3	16.4	15.5	14.6
107.5°	5.5	5.5	8.2	11.9	14.6	16.4	16.4	14.6	12.8	12.8	11.9
110°	4.6	5.5	7.3	10.0	12.8	14.6	14.6	12.8	11.0	10.0	10.0

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	4.6	4.6	6.4	9.1	11.0	12.8	11.9	10.0	9.1	8.2	8.2
115°	4.6	4.6	5.5	8.2	10.0	11.0	11.0	9.1	7.3	7.3	7.3
117.5°	4.6	4.6	5.5	7.3	9.1	10.0	9.1	8.2	6.4	6.4	6.4
120°	4.6	4.6	5.5	6.4	8.2	9.1	8.2	7.3	5.5	5.5	6.4
122.5°	3.7	4.6	4.6	6.4	7.3	8.2	7.3	6.4	5.5	5.5	5.5
125°	3.7	4.6	4.6	5.5	6.4	7.3	6.4	5.5	4.6	4.6	5.5
127.5°	3.7	3.7	4.6	5.5	6.4	6.4	6.4	5.5	4.6	4.6	5.5
130°	3.7	4.6	4.6	4.6	5.5	6.4	5.5	4.6	4.6	4.6	4.6
132.5°	3.7	3.7	4.6	4.6	5.5	5.5	4.6	4.6	3.7	3.7	4.6
135°	3.7	3.7	3.7	4.6	4.6	4.6	4.6	3.7	3.7	3.7	4.6
137.5°	3.7	3.7	3.7	3.7	4.6	4.6	3.7	3.7	3.7	3.7	3.7
140°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	2.7	3.7	3.7	3.7
142.5°	3.7	3.7	3.7	2.7	3.7	2.7	2.7	2.7	2.7	2.7	3.7
145°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
147.5°	2.7	2.7	2.7	2.7	2.7	2.7	1.8	1.8	2.7	2.7	2.7
150°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
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°	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
2.5°	49.3	49.3	49.3	48.4	48.4	48.4	47.5	47.5	47.5	47.5	47.5
5°	53.9	53.0	52.0	51.1	49.3	49.3	48.4	48.4	47.5	47.5	47.5
7.5°	60.3	59.3	57.5	55.7	53.9	52.0	51.1	50.2	49.3	49.3	49.3
10°	69.4	68.5	64.8	62.1	59.3	57.5	55.7	54.8	53.9	53.0	53.0
12.5°	83.1	82.2	77.6	72.1	67.6	63.9	61.2	60.3	59.3	58.4	59.3
15°	102.3	100.4	94.0	84.9	78.5	72.1	69.4	68.5	69.4	69.4	68.5
17.5°	127.8	123.3	113.2	101.3	91.3	83.1	79.4	79.4	79.4	80.3	80.3
20°	157.0	152.5	137.9	121.4	105.0	94.9	90.4	90.4	91.3	92.2	94.0
22.5°	191.7	184.4	165.2	141.5	120.5	106.8	101.3	101.3	104.1	106.8	106.8
25°	234.6	225.5	197.2	162.5	136.0	118.7	111.4	112.3	116.9	119.6	120.5
27.5°	281.2	269.3	231.9	187.2	149.7	127.8	120.5	122.3	127.8	132.4	132.4
30°	334.2	314.1	263.9	208.2	161.6	135.1	127.8	131.5	137.9	143.3	144.3
32.5°	382.5	362.5	300.4	228.2	171.6	139.7	132.4	137.9	145.2	151.6	151.6
35°	436.4	410.8	330.5	243.8	177.1	142.4	135.1	142.4	150.6	156.1	156.1
37.5°	488.4	452.8	354.2	252.9	178.9	142.4	136.0	145.2	152.5	157.0	157.9
40°	535.9	493.9	371.6	255.6	177.1	140.6	136.0	145.2	152.5	155.2	156.1
42.5°	587.0	528.6	384.4	252.9	172.6	137.9	135.1	144.3	150.6	151.6	152.5
45°	638.2	567.0	388.0	243.8	166.2	134.2	132.4	141.5	147.0	147.0	147.0
47.5°	693.9	604.4	388.0	232.8	157.9	130.6	130.6	139.7	143.3	142.4	142.4
50°	752.3	640.0	385.3	220.0	150.6	126.9	127.8	137.9	141.5	138.8	138.8
52.5°	813.5	678.3	376.1	204.5	142.4	123.3	126.9	136.9	140.6	137.9	137.9
55°	887.4	715.8	366.1	189.9	135.1	120.5	126.0	136.9	140.6	137.9	137.9
57.5°	939.5	748.6	350.6	176.2	129.6	118.7	126.0	138.8	142.4	140.6	140.6
60°	999.7	770.6	330.5	162.5	124.2	116.9	127.8	140.6	146.1	146.1	146.1
62.5°	1032.6	776.0	309.5	150.6	120.5	115.9	129.6	144.3	151.6	152.5	153.4
65°	1032.6	752.3	280.3	140.6	116.9	115.0	131.5	148.8	157.9	160.7	161.6
67.5°	986.0	703.0	249.2	131.5	113.2	114.1	133.3	153.4	162.5	167.1	167.1
70°	909.3	625.4	216.4	122.3	109.6	113.2	134.2	155.2	165.2	169.8	169.8
72.5°	783.3	535.0	185.3	115.0	105.9	111.4	133.3	155.2	164.3	168.0	167.1
75°	634.5	427.3	155.2	106.8	101.3	106.8	128.7	150.6	157.9	159.8	159.8
77.5°	493.9	325.9	130.6	97.7	94.9	101.3	122.3	141.5	147.9	148.8	147.9
80°	351.5	235.5	109.6	89.5	87.6	93.1	111.4	127.8	133.3	134.2	132.4
82.5°	236.5	168.9	89.5	78.5	78.5	84.0	99.5	112.3	116.9	115.9	115.0
85°	153.4	114.1	73.0	67.6	68.5	74.0	84.9	94.9	97.7	96.8	94.0
87.5°	100.4	80.3	58.4	57.5	58.4	63.0	71.2	76.7	80.3	78.5	77.6
90°	68.5	57.5	47.5	47.5	49.3	53.0	58.4	61.2	62.1	62.1	61.2
92.5°	50.2	44.7	39.3	39.3	42.0	44.7	47.5	48.4	50.2	49.3	48.4
95°	38.3	36.5	32.9	32.9	35.6	38.3	39.3	38.3	40.2	40.2	39.3
97.5°	30.1	30.1	28.3	28.3	30.1	32.0	32.9	32.0	32.9	32.0	32.0
100°	23.7	23.7	24.7	24.7	25.6	27.4	27.4	27.4	27.4	26.5	25.6
102.5°	19.2	20.1	21.0	21.9	22.8	22.8	23.7	22.8	22.8	21.0	21.0
105°	15.5	15.5	17.3	18.3	19.2	20.1	20.1	20.1	19.2	17.3	17.3
107.5°	12.8	13.7	14.6	16.4	16.4	17.3	18.3	17.3	15.5	13.7	14.6
110°	10.0	11.0	12.8	13.7	14.6	15.5	15.5	14.6	12.8	11.9	11.9

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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	9.1	9.1	11.0	11.9	12.8	13.7	13.7	12.8	11.0	10.0	10.0
115°	8.2	8.2	9.1	10.0	11.0	11.9	11.9	11.0	9.1	8.2	8.2
117.5°	7.3	7.3	8.2	9.1	10.0	11.0	10.0	10.0	8.2	7.3	7.3
120°	6.4	7.3	7.3	8.2	9.1	9.1	9.1	8.2	7.3	7.3	7.3
122.5°	6.4	6.4	7.3	7.3	8.2	8.2	8.2	7.3	6.4	6.4	6.4
125°	5.5	6.4	6.4	6.4	7.3	7.3	7.3	6.4	5.5	5.5	5.5
127.5°	5.5	5.5	5.5	6.4	6.4	6.4	6.4	5.5	5.5	5.5	5.5
130°	5.5	5.5	5.5	5.5	5.5	6.4	5.5	5.5	4.6	5.5	5.5
132.5°	4.6	4.6	4.6	5.5	5.5	5.5	5.5	4.6	4.6	4.6	4.6
135°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
137.5°	4.6	4.6	4.6	4.6	4.6	4.6	3.7	3.7	3.7	4.6	4.6
140°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
142.5°	3.7	3.7	3.7	2.7	2.7	2.7	2.7	2.7	2.7	3.7	3.7
145°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
147.5°	2.7	2.7	2.7	1.8	1.8	1.8	1.8	2.7	2.7	2.7	2.7
150°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.7	2.7	2.7
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)