

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: P694683

Luminaire Tested: **LXF.LXT-PA16-20-827-U-T2R-FL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P694683  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-20-827-U-T2R-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY  
OPTICS AND FROSTED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1996 lumens  
Efficiency: N/A  
Efficacy: 91.6 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type III - Short  
BUG Rating: B1 - U3 - G2

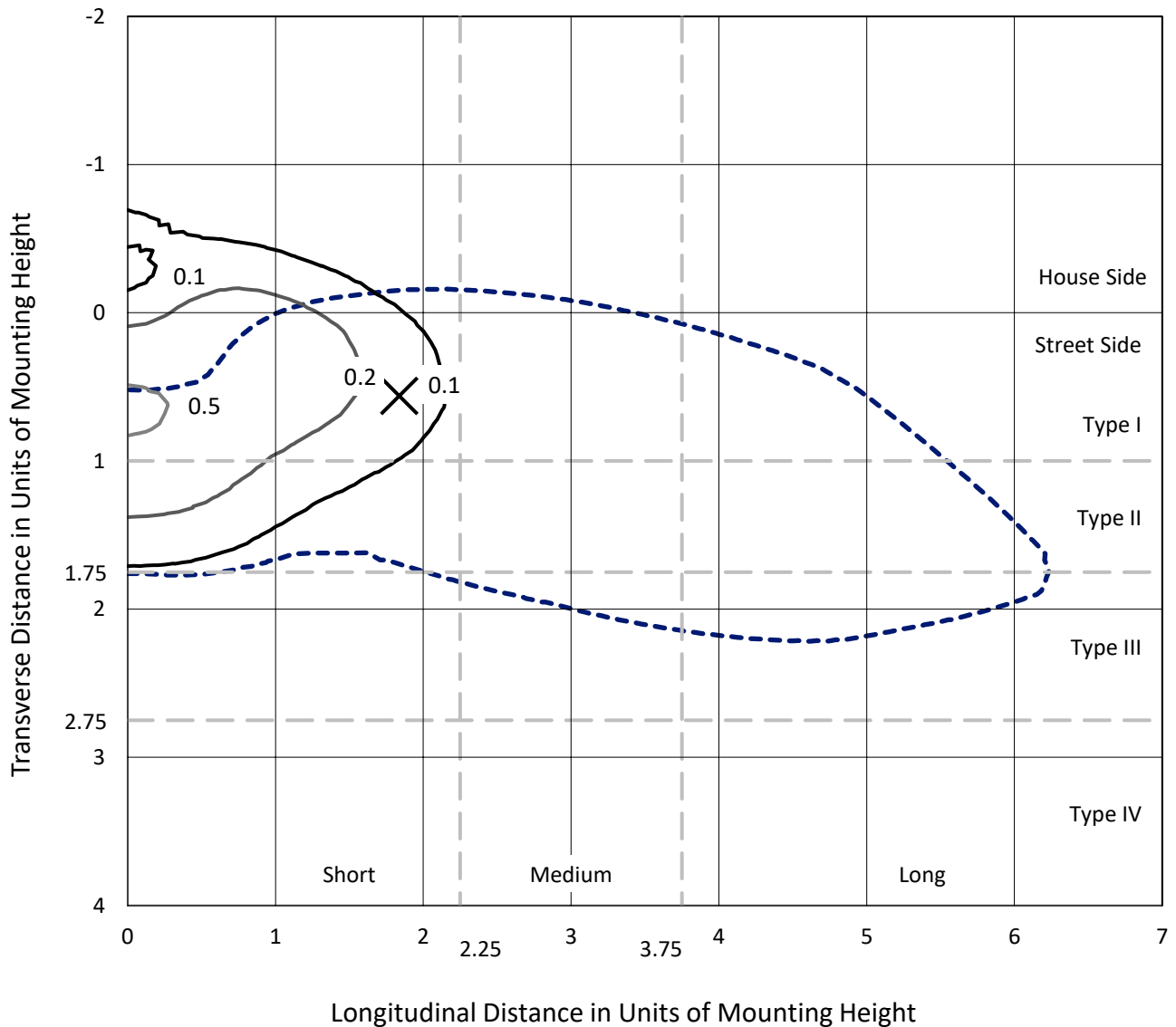
Input Watts (W): 21.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

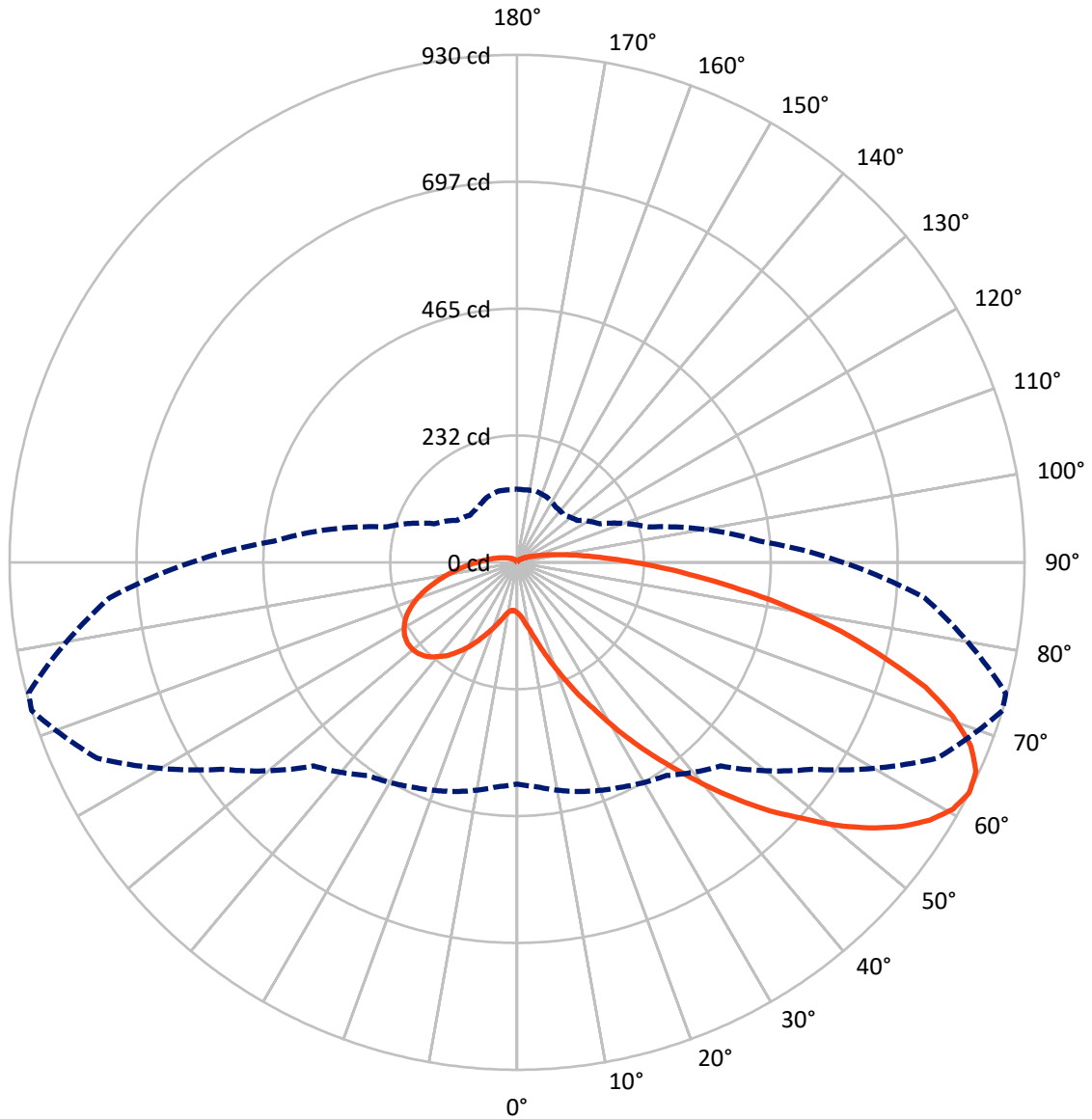
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 73-Deg Lateral      - - - Horizontal Cone Through 62.5-Deg Vertical

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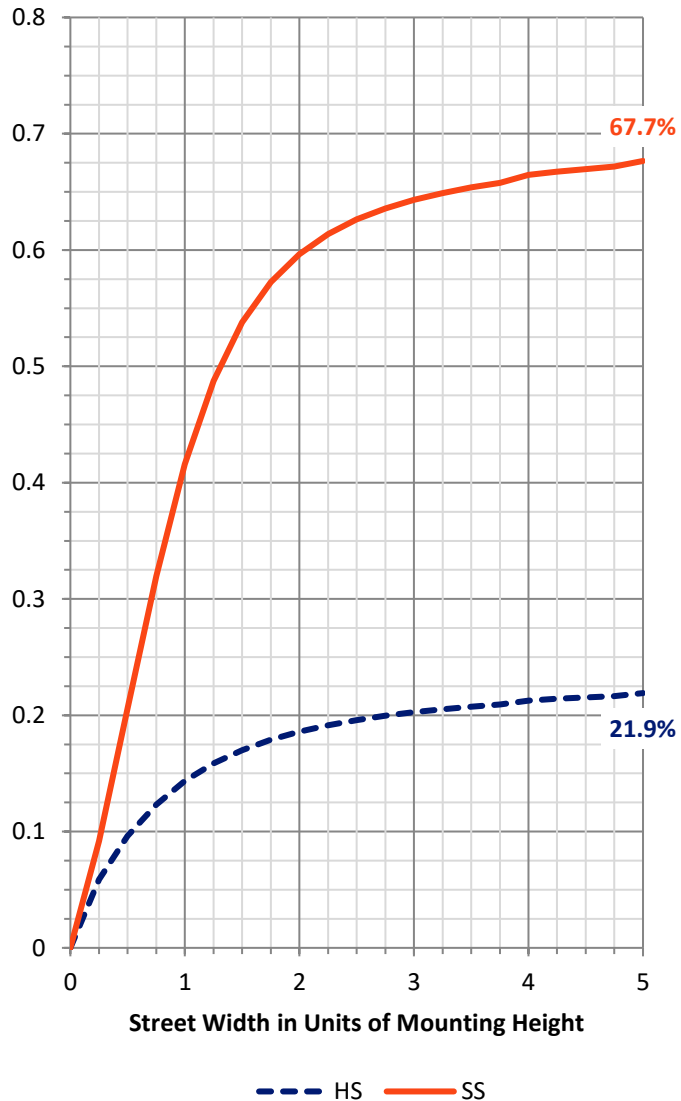
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	461.7	60.4	522.1
	% Fixture	23.1	3.0	26.2
<b>Street Side</b>	Lumens	1389.6	84.4	1473.9
	% Fixture	69.6	4.2	73.8
<b>Total</b>	Lumens	1851.3	144.7	1996.0
	% Fixture	92.7	7.3	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	9.7	0.5
10°-20°	40.7	2.0
20°-30°	104.9	5.3
30°-40°	205.5	10.3
40°-50°	313.9	15.7
50°-60°	382.4	19.2
60°-70°	369.7	18.5
70°-80°	273.1	13.7
80°-90°	151.4	7.6
90°-100°	71.9	3.6
100°-110°	35.4	1.8
110°-120°	19.0	1.0
120°-130°	10.6	0.5
130°-140°	5.5	0.3
140°-150°	2.2	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1851.3	92.7
0°-180°	1996.0	100.0

**Coefficient of Utilization**



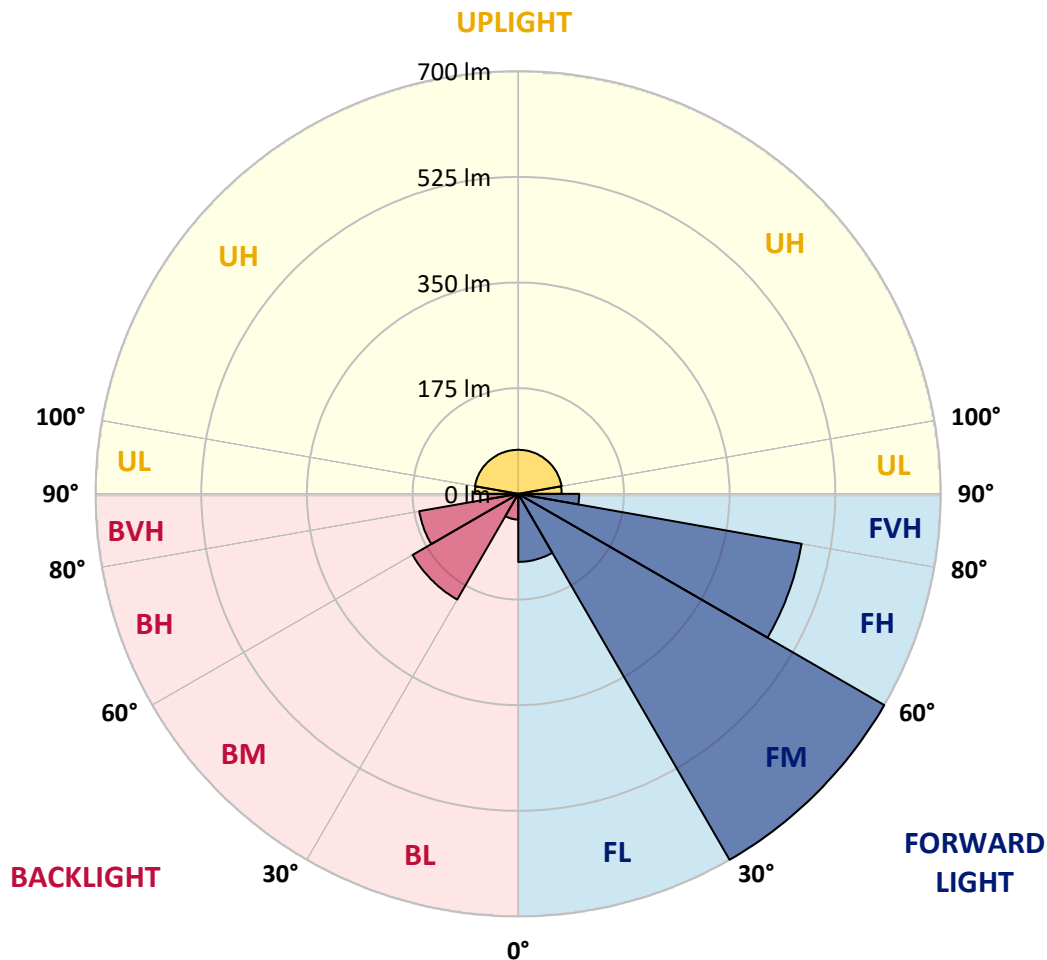
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	112.7	5.6			
FM (30°-60°)	699.6	35.0			
FH (60°-80°)	476.4	23.9			G0/660
FVH (80°-90°)	100.9	5.1			G2/225
BL (0°-30°)	42.6	2.1	B0/110		
BM (30°-60°)	202.2	10.1	B0/220		
BH (60°-80°)	166.4	8.3	B1/500		G1/500
BVH (80°-90°)	50.5	2.5			G1/100
UL (90°-100°)	71.9	3.6		U3/500	
UH (100°-180°)	72.8	3.6		U3/500	

**BUG Rating: B1-U3-G2**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
0°	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
2.5°	104.7	104.0	104.7	104.0	102.5	101.0	99.5	97.2	96.4	95.7	93.4
5°	122.1	122.8	122.1	119.1	117.5	114.5	111.5	107.0	103.2	102.5	98.0
7.5°	143.2	142.4	141.7	139.4	135.6	130.4	125.1	119.1	113.8	112.3	104.7
10°	168.0	165.8	166.5	161.3	156.7	149.9	143.2	134.1	125.1	123.6	113.8
12.5°	196.7	195.9	194.4	187.6	180.8	173.3	162.8	151.5	141.7	138.6	126.6
15°	231.3	228.3	226.8	219.3	210.2	200.4	187.6	174.1	162.0	159.7	142.4
17.5°	269.8	266.0	261.5	251.7	242.6	229.8	214.7	199.7	185.4	182.3	160.5
20°	309.7	308.2	302.9	290.9	277.3	263.7	247.1	229.1	211.0	207.2	182.3
22.5°	357.9	356.4	347.4	332.3	315.7	299.9	281.1	261.5	241.1	235.1	205.7
25°	410.7	406.1	395.6	376.8	357.9	336.1	317.2	296.1	274.3	266.7	232.8
27.5°	464.2	460.4	446.1	425.0	399.4	375.2	354.1	333.8	308.2	304.4	260.7
30°	516.9	516.9	498.1	474.0	440.0	412.9	392.6	373.7	350.4	345.1	294.6
32.5°	569.7	568.1	552.3	519.9	482.2	450.6	431.0	415.2	394.1	384.3	331.5
35°	618.6	617.9	596.8	562.1	520.7	487.5	470.9	460.4	439.3	431.0	368.5
37.5°	663.8	660.8	637.5	602.1	551.6	519.2	509.4	508.6	487.5	477.0	407.6
40°	694.7	692.5	672.1	632.2	580.2	548.6	547.8	556.1	541.0	529.7	448.3
42.5°	713.6	710.6	694.0	654.8	602.8	573.4	582.5	603.6	595.3	582.5	489.8
45°	718.1	715.8	702.3	666.1	617.9	593.8	613.4	651.0	649.5	637.5	530.5
47.5°	706.8	706.8	697.7	667.6	623.9	607.3	643.5	697.0	700.0	694.0	573.4
50°	684.9	683.4	681.2	657.1	621.6	614.9	666.9	743.7	757.3	748.2	617.9
52.5°	648.0	647.3	649.5	636.0	610.3	614.1	683.4	783.6	808.5	800.2	655.6
55°	599.0	597.5	607.3	603.6	588.5	605.1	691.7	816.0	854.5	846.9	692.5
57.5°	540.3	537.2	556.1	562.9	558.3	587.7	691.7	838.7	891.4	884.6	721.1
60°	472.4	474.7	494.3	513.1	518.4	561.4	680.4	850.0	917.8	913.2	739.9
62.5°	406.1	412.9	434.8	454.4	477.0	527.5	660.8	849.2	929.8	926.8	749.7
65°	342.8	350.4	372.2	399.4	427.2	487.5	630.7	831.1	923.8	922.3	745.2
67.5°	284.1	289.3	312.0	343.6	376.8	443.1	588.5	797.2	896.7	897.4	724.1
70°	233.6	236.6	260.7	292.4	326.3	393.3	538.0	743.7	846.9	849.2	684.2
72.5°	192.1	197.4	215.5	244.9	281.1	348.1	484.5	678.9	782.9	782.1	630.7
75°	156.7	159.7	178.6	205.0	236.6	299.9	426.5	601.3	692.5	698.5	561.4
77.5°	126.6	128.8	147.7	171.0	201.9	257.7	367.0	520.7	605.8	604.3	488.3
80°	102.5	105.5	121.3	142.4	170.3	219.3	310.4	436.3	507.9	509.4	406.1
82.5°	82.1	85.1	99.5	118.3	145.4	183.9	260.7	365.5	413.7	413.7	335.3
85°	65.6	68.6	82.1	98.7	120.6	156.0	214.0	292.4	330.0	332.3	271.3
87.5°	53.5	55.0	67.1	82.9	101.7	131.1	176.3	231.3	261.5	258.5	213.2
90°	42.9	44.5	55.0	68.6	85.9	110.0	143.9	186.9	202.7	201.9	166.5
92.5°	35.4	36.2	46.0	58.8	73.1	92.7	118.3	145.4	157.5	156.7	131.9
95°	29.4	30.1	39.2	49.7	62.5	78.4	96.4	116.8	124.3	122.8	103.2
97.5°	24.9	24.9	33.2	42.9	54.3	66.3	80.6	93.4	97.2	96.4	82.9
100°	21.1	21.1	27.9	37.7	47.5	57.3	67.1	74.6	76.1	76.9	65.6
102.5°	18.1	18.8	24.9	33.2	40.7	49.0	55.8	61.0	61.0	60.3	52.0
105°	16.6	16.6	21.1	28.6	36.2	42.2	47.5	50.5	49.0	47.5	41.4
107.5°	14.3	14.3	18.8	25.6	31.6	36.9	40.7	41.4	39.2	38.4	34.7
110°	12.8	13.6	16.6	22.6	28.6	32.4	34.7	34.7	32.4	31.6	28.6

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
112.5°	12.1	12.1	15.1	20.3	24.9	28.6	30.1	29.4	27.1	26.4	24.1
115°	11.3	11.3	13.6	18.1	22.6	25.6	26.4	24.9	22.6	21.9	20.3
117.5°	10.5	10.5	12.1	15.8	20.3	22.6	23.4	21.1	18.8	18.8	18.1
120°	9.8	9.8	11.3	14.3	18.1	20.3	20.3	18.1	16.6	15.8	15.8
122.5°	9.8	9.8	10.5	12.8	15.8	17.3	18.1	15.8	14.3	13.6	13.6
125°	9.0	9.0	9.8	11.3	14.3	15.8	15.1	13.6	12.1	12.1	12.1
127.5°	9.0	9.0	9.0	10.5	12.1	13.6	13.6	12.1	10.5	10.5	11.3
130°	8.3	8.3	8.3	9.0	10.5	12.1	11.3	9.8	9.0	9.0	9.8
132.5°	8.3	8.3	8.3	8.3	9.0	10.5	9.8	8.3	8.3	8.3	8.3
135°	7.5	7.5	7.5	7.5	8.3	8.3	8.3	7.5	6.8	7.5	7.5
137.5°	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.0	6.0	6.0	6.8
140°	6.0	6.0	6.0	6.0	5.3	5.3	5.3	4.5	5.3	5.3	6.0
142.5°	6.0	6.0	5.3	5.3	4.5	4.5	3.8	3.8	4.5	4.5	4.5
145°	5.3	5.3	4.5	3.8	3.0	3.0	3.0	3.0	3.0	3.8	3.8
147.5°	3.8	3.8	3.8	3.0	2.3	1.5	1.5	2.3	2.3	2.3	3.0
150°	3.0	3.0	3.0	2.3	1.5	0.8	0.8	1.5	1.5	1.5	2.3
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°	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
2.5°	92.7	91.9	89.7	88.2	86.7	85.9	84.4	83.6	83.6	82.9	83.6
5°	95.7	93.4	88.9	85.1	81.4	78.4	76.1	74.6	73.8	73.1	72.3
7.5°	101.0	97.2	90.4	84.4	78.4	73.8	70.1	67.8	66.3	64.8	64.8
10°	108.5	103.2	93.4	85.1	77.6	71.6	66.3	63.3	61.8	60.3	60.3
12.5°	119.8	113.0	100.2	87.4	78.4	70.8	65.6	61.8	60.3	59.5	58.8
15°	134.1	125.8	109.3	94.2	81.4	71.6	66.3	64.8	63.3	62.5	62.5
17.5°	150.7	139.4	119.1	101.0	86.7	76.1	70.8	68.6	67.8	67.1	66.3
20°	168.8	156.0	130.4	108.5	92.7	83.6	76.1	73.8	73.1	72.3	72.3
22.5°	190.6	173.3	142.4	116.8	100.2	89.7	82.9	79.1	78.4	78.4	77.6
25°	213.2	194.4	156.0	125.8	107.8	96.4	88.9	85.1	84.4	85.1	85.1
27.5°	239.6	215.5	170.3	135.6	115.3	101.7	94.9	91.2	91.2	92.7	92.7
30°	268.2	237.4	184.6	145.4	122.1	107.0	100.2	98.0	98.7	99.5	100.2
32.5°	296.1	260.7	198.2	155.2	127.3	111.5	105.5	104.7	105.5	107.0	107.0
35°	328.5	287.1	211.7	163.5	131.9	115.3	110.0	110.8	112.3	113.8	114.5
37.5°	360.9	310.4	225.3	169.5	135.6	119.1	114.5	116.0	117.5	120.6	120.6
40°	391.8	334.6	235.8	174.8	138.6	121.3	117.5	120.6	123.6	125.1	125.1
42.5°	424.2	358.7	247.1	178.6	140.9	123.6	120.6	125.1	128.1	128.8	128.8
45°	457.4	379.0	255.4	181.6	142.4	125.1	122.8	127.3	131.1	131.9	131.9
47.5°	486.8	397.9	261.5	182.3	142.4	125.8	124.3	129.6	133.4	133.4	133.4
50°	517.7	416.7	265.2	183.1	143.2	126.6	125.1	131.1	134.9	134.1	134.9
52.5°	544.0	431.8	266.7	181.6	142.4	125.8	125.8	132.6	136.4	134.9	134.9
55°	567.4	443.1	266.0	179.3	140.9	125.8	125.8	132.6	136.4	134.9	134.9
57.5°	584.7	449.8	263.0	176.3	139.4	125.1	125.8	132.6	136.4	134.9	134.9
60°	595.3	450.6	256.9	172.6	137.1	123.6	124.3	131.9	135.6	134.1	134.1
62.5°	596.8	446.8	249.4	167.3	134.1	122.1	123.6	131.1	134.9	133.4	134.1
65°	588.5	435.5	239.6	161.3	131.1	119.8	122.1	129.6	133.4	132.6	132.6
67.5°	567.4	415.9	226.1	153.7	126.6	116.8	119.8	126.6	131.9	130.4	130.4
70°	533.5	388.8	211.7	145.4	120.6	113.0	116.0	123.6	128.1	127.3	127.3
72.5°	489.0	356.4	194.4	135.6	114.5	108.5	112.3	119.1	122.8	122.8	122.1
75°	435.5	320.2	175.6	125.1	107.8	103.2	107.8	113.0	116.0	115.3	114.5
77.5°	378.3	281.1	157.5	114.5	100.2	97.2	101.0	107.0	108.5	107.8	106.2
80°	320.2	241.1	139.4	103.2	91.9	89.7	93.4	98.0	99.5	97.2	96.4
82.5°	267.5	201.2	121.3	92.7	83.6	82.1	85.9	88.9	88.9	87.4	85.1
85°	216.3	169.5	106.2	82.1	75.4	74.6	77.6	79.1	78.4	76.1	73.8
87.5°	174.1	138.6	91.2	73.1	67.1	66.3	68.6	69.3	67.8	64.8	63.3
90°	140.9	113.8	78.4	64.8	59.5	59.5	60.3	60.3	58.0	54.3	52.7
92.5°	112.3	93.4	67.8	56.5	53.5	52.0	52.7	52.0	49.0	46.7	44.5
95°	90.4	76.9	58.8	50.5	47.5	46.0	46.7	45.2	41.4	38.4	36.9
97.5°	73.1	63.3	50.5	44.5	42.2	40.7	40.7	38.4	36.2	32.4	30.9
100°	58.8	52.0	43.7	39.2	36.9	36.2	35.4	33.9	30.9	27.1	26.4
102.5°	47.5	43.7	37.7	34.7	33.2	32.4	31.6	29.4	26.4	22.6	22.6
105°	39.2	36.9	33.2	30.9	29.4	28.6	27.9	25.6	22.6	19.6	19.6
107.5°	32.4	30.9	28.6	27.1	26.4	25.6	24.9	22.6	19.6	16.6	17.3
110°	27.9	26.4	24.9	24.1	24.1	23.4	21.9	20.3	17.3	15.1	15.1

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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	23.4	22.6	21.9	21.9	21.1	20.3	19.6	17.3	15.1	13.6	13.6
115°	20.3	19.6	19.6	19.6	18.8	18.8	17.3	15.8	12.8	12.1	12.1
117.5°	17.3	17.3	17.3	17.3	17.3	16.6	15.8	13.6	11.3	10.5	10.5
120°	15.8	15.8	15.1	15.1	15.1	15.1	13.6	12.1	9.8	9.8	9.8
122.5°	13.6	13.6	13.6	13.6	13.6	12.8	12.1	10.5	9.0	9.0	9.0
125°	12.1	12.1	12.1	12.8	12.1	12.1	10.5	9.0	7.5	8.3	8.3
127.5°	11.3	11.3	11.3	10.5	10.5	10.5	9.0	7.5	6.8	7.5	7.5
130°	9.8	9.8	9.8	9.8	9.8	9.0	8.3	6.8	6.0	6.8	6.8
132.5°	9.0	9.0	9.0	8.3	8.3	7.5	6.8	6.0	5.3	6.0	6.0
135°	7.5	7.5	7.5	7.5	6.8	6.8	6.0	4.5	5.3	5.3	5.3
137.5°	6.8	6.8	6.8	6.0	6.0	5.3	4.5	3.8	4.5	4.5	4.5
140°	6.0	6.0	6.0	5.3	4.5	4.5	3.8	3.8	3.8	4.5	4.5
142.5°	4.5	4.5	4.5	4.5	3.8	3.0	3.0	3.0	3.8	3.8	3.8
145°	3.8	3.8	3.8	3.0	3.0	2.3	2.3	2.3	3.0	3.0	3.0
147.5°	3.0	3.0	3.0	2.3	2.3	1.5	1.5	2.3	3.0	3.0	3.0
150°	2.3	2.3	2.3	1.5	1.5	0.8	1.5	1.5	2.3	2.3	2.3
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)