

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: P694497

Luminaire Tested: **LXF.LXT-PA16-20-727-U-SL3-CL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P694497  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-28)  
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-SL3-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2296 lumens  
Efficiency: N/A  
Efficacy: 105.3 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 - U2 - G1

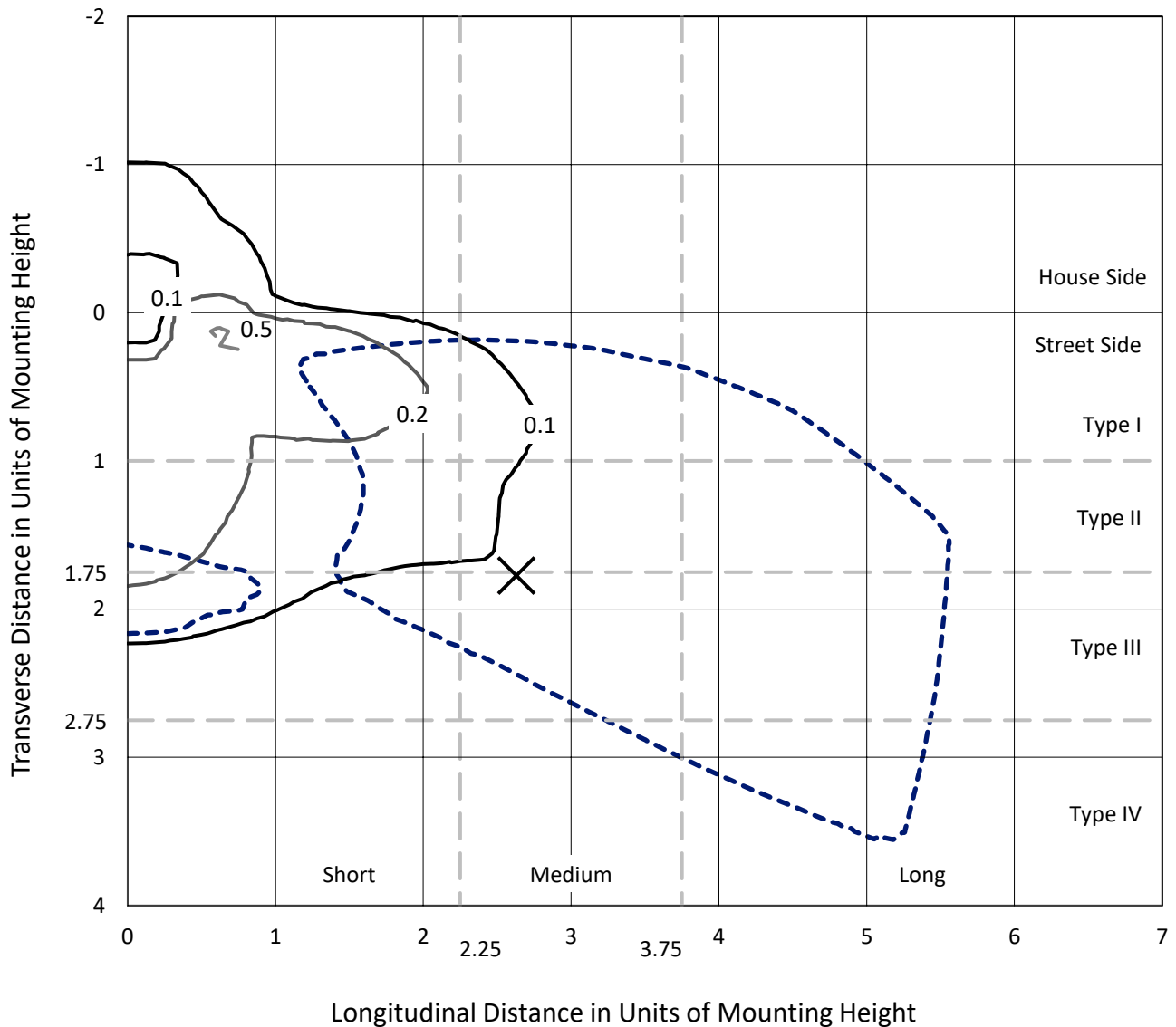
Input Watts (W): 21.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

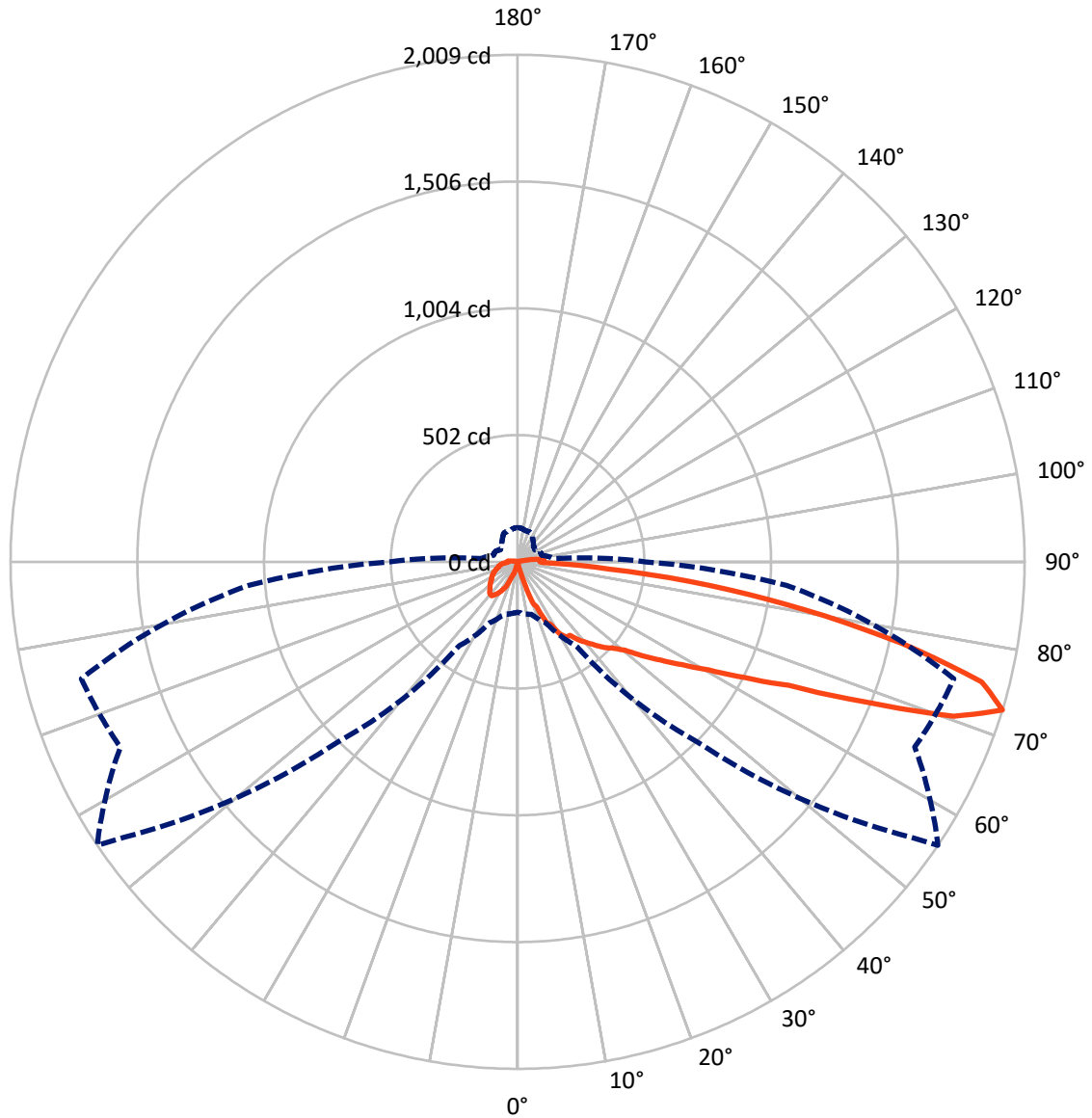
× Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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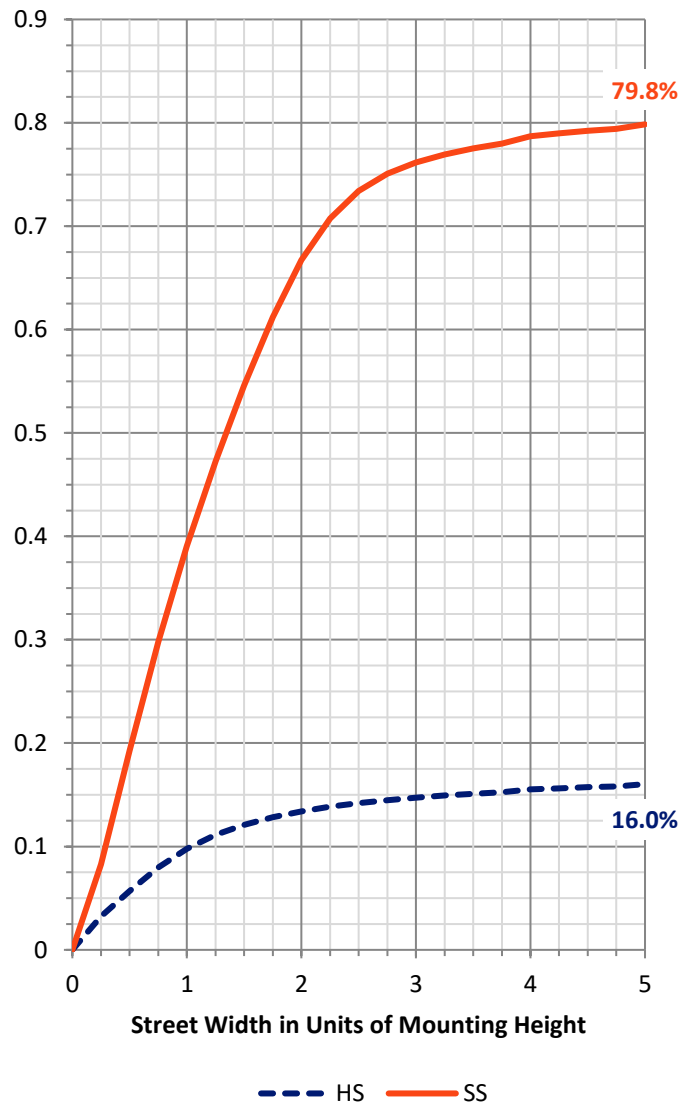
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	392.2	24.9	417.1
	% Fixture	17.1	1.1	18.2
<b>Street Side</b>	Lumens	1852.7	26.2	1878.9
	% Fixture	80.7	1.1	81.8
<b>Total</b>	Lumens	2245.0	51.0	2296.0
	% Fixture	97.8	2.2	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.3	0.0
10°-20°	18.9	0.8
20°-30°	88.7	3.9
30°-40°	195.4	8.5
40°-50°	293.0	12.8
50°-60°	431.5	18.8
60°-70°	599.1	26.1
70°-80°	482.7	21.0
80°-90°	135.3	5.9
90°-100°	36.4	1.6
100°-110°	7.0	0.3
110°-120°	2.7	0.1
120°-130°	2.1	0.1
130°-140°	1.5	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°	2245.0	97.8
0°-180°	2296.0	100.0

**Coefficient of Utilization**

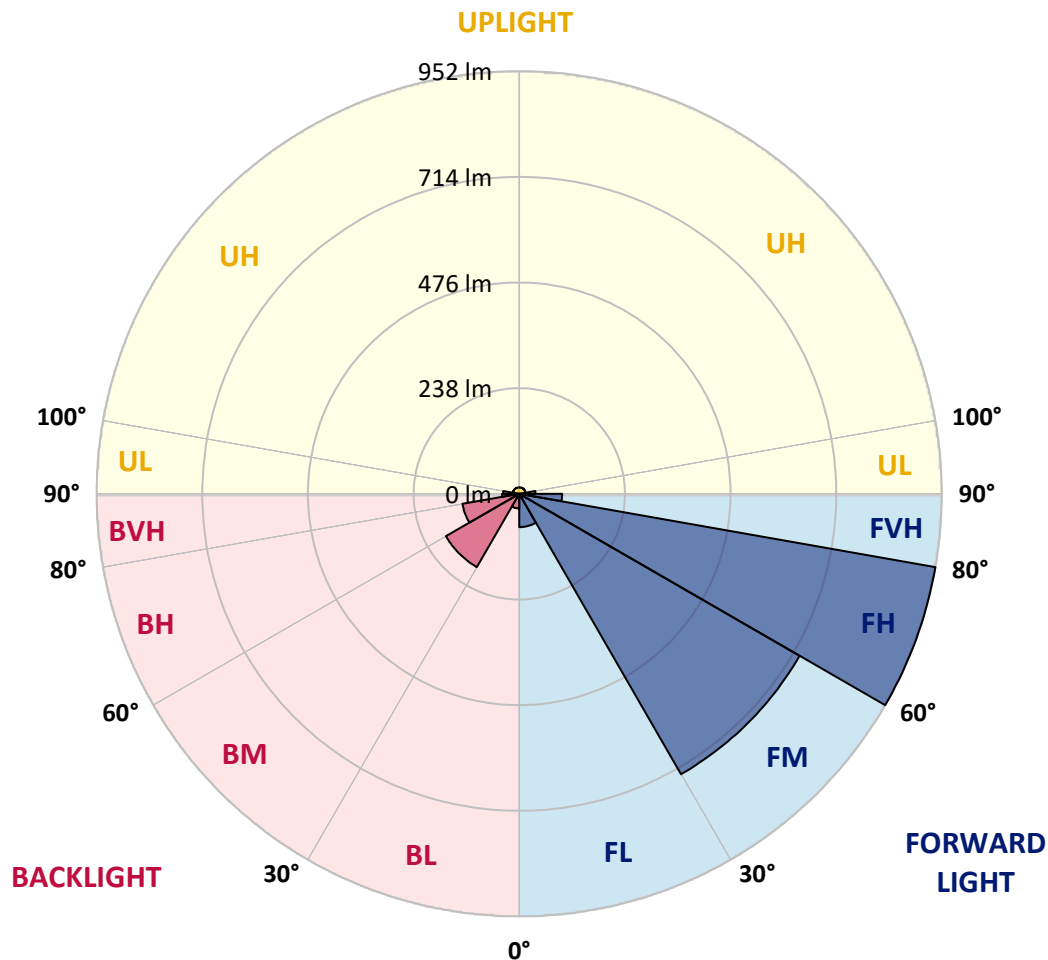


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	75.0	3.3			
FM (30°-60°)	729.2	31.8			
FH (60°-80°)	952.0	41.5			G1/1800
FVH (80°-90°)	96.5	4.2			G1/100
BL (0°-30°)	32.9	1.4	B0/110		
BM (30°-60°)	190.7	8.3	B0/220		
BH (60°-80°)	129.9	5.7	B1/500		G1/500
BVH (80°-90°)	38.7	1.7			G1/100
UL (90°-100°)	36.4	1.6		U2/50	
UH (100°-180°)	14.6	0.6		U2/50	

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



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
2.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
5°	2.5	2.5	2.5	2.5	3.4	3.4	2.5	2.5	2.5	2.5	2.5
7.5°	4.2	4.2	3.4	3.4	3.4	3.4	3.4	3.4	2.5	2.5	2.5
10°	24.4	23.5	21.0	14.3	8.4	4.2	3.4	3.4	3.4	3.4	4.2
12.5°	106.8	105.9	106.8	100.0	26.9	14.3	6.7	6.7	10.1	13.5	17.7
15°	112.7	113.5	113.5	110.1	110.1	47.1	26.1	36.2	103.4	112.7	110.1
17.5°	148.0	142.9	122.7	117.7	120.2	119.4	103.4	103.4	120.2	127.0	125.3
20°	174.0	174.0	174.9	173.2	128.6	164.8	177.4	178.2	142.1	196.7	212.7
22.5°	195.1	196.7	188.3	181.6	195.9	170.7	192.5	192.5	240.5	269.9	259.0
25°	270.7	269.9	254.7	203.5	203.5	206.8	261.5	266.5	301.0	300.1	288.4
27.5°	311.9	311.9	295.1	264.8	225.3	236.3	269.0	280.8	341.3	433.8	392.6
30°	421.2	422.9	385.9	316.1	272.4	251.4	311.9	332.9	427.9	455.7	407.8
32.5°	453.2	454.0	456.5	404.4	315.3	279.1	340.5	355.6	459.0	576.8	513.7
35°	462.4	464.1	464.1	427.1	395.2	324.5	346.4	357.3	546.5	607.9	514.5
37.5°	492.7	491.8	485.1	442.2	426.3	359.0	382.5	393.5	582.6	654.1	512.0
40°	535.6	535.6	524.6	471.7	438.9	394.3	407.8	419.5	624.7	708.8	513.7
42.5°	585.2	581.0	568.3	505.3	459.0	416.2	441.4	451.5	668.4	777.7	516.2
45°	644.9	640.6	615.4	552.4	494.4	425.4	465.8	485.1	718.0	850.8	531.4
47.5°	702.0	700.3	671.8	599.5	529.7	438.9	484.3	511.2	777.7	944.2	560.8
50°	772.6	764.2	727.2	645.7	561.6	464.9	532.2	549.8	840.7	1034.1	605.3
52.5°	836.5	821.4	782.7	692.8	600.3	501.1	605.3	617.1	913.1	1128.3	656.6
55°	898.8	876.9	823.9	741.5	637.3	543.1	684.4	686.9	995.4	1225.0	719.7
57.5°	992.1	969.4	892.9	786.9	686.1	596.9	760.9	769.3	1077.0	1333.4	793.7
60°	1121.6	1105.6	1013.1	894.6	772.6	668.4	852.5	869.3	1157.7	1441.9	866.8
62.5°	1171.2	1152.7	1082.9	1000.5	896.2	797.0	966.0	1011.4	1230.9	1551.2	951.7
65°	1036.6	1036.6	999.6	1004.7	973.6	1003.0	1127.4	1180.4	1316.6	1637.8	1024.9
67.5°	674.3	677.6	701.2	801.2	912.2	1169.5	1405.7	1478.9	1446.9	1731.1	1086.2
70°	306.0	317.8	369.1	507.8	694.5	1179.6	1726.1	1832.8	1598.3	1795.0	1108.1
72.5°	200.1	204.3	216.1	268.2	408.6	1010.6	1903.5	2008.5	1736.1	1789.1	1068.6
75°	167.3	164.8	171.5	190.0	206.0	693.6	1811.0	1898.4	1718.5	1683.2	972.7
77.5°	138.7	136.2	142.9	153.0	121.9	380.9	1505.8	1556.2	1486.4	1438.5	793.7
80°	106.8	106.8	110.1	123.6	89.1	185.0	1119.0	1156.9	1100.5	1027.4	475.0
82.5°	73.1	72.3	79.9	95.0	71.5	106.8	764.2	765.1	657.5	500.2	223.6
85°	32.8	32.8	39.5	54.6	42.0	66.4	348.9	361.5	223.6	159.7	100.0
87.5°	10.9	10.9	11.8	13.5	14.3	31.1	97.5	99.2	86.6	98.4	74.0
90°	10.1	10.1	10.1	10.1	10.9	30.3	87.4	87.4	77.3	91.6	74.0
92.5°	10.1	10.1	9.2	8.4	9.2	27.7	96.7	104.3	84.9	95.8	77.3
95°	10.1	10.1	8.4	7.6	8.4	20.2	96.7	103.4	89.1	83.2	69.8
97.5°	6.7	6.7	5.9	5.9	6.7	11.8	70.6	73.1	57.2	42.0	42.0
100°	5.9	5.9	4.2	4.2	5.0	6.7	37.8	40.4	27.7	13.5	13.5
102.5°	5.9	5.9	3.4	3.4	3.4	4.2	10.9	11.8	10.1	5.9	6.7
105°	6.7	6.7	3.4	2.5	2.5	3.4	5.0	5.0	5.9	5.0	6.7
107.5°	5.9	5.9	2.5	2.5	2.5	2.5	2.5	2.5	3.4	5.0	6.7
110°	4.2	3.4	2.5	2.5	1.7	2.5	2.5	2.5	2.5	4.2	5.9

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
112.5°	2.5	2.5	1.7	1.7	1.7	2.5	1.7	1.7	2.5	3.4	5.0
115°	2.5	2.5	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.4	4.2
117.5°	2.5	2.5	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.4	5.0
120°	2.5	2.5	1.7	0.8	1.7	1.7	1.7	1.7	1.7	3.4	5.0
122.5°	2.5	2.5	1.7	0.8	1.7	1.7	1.7	1.7	1.7	3.4	5.0
125°	2.5	2.5	1.7	0.8	1.7	0.8	1.7	1.7	1.7	3.4	4.2
127.5°	2.5	1.7	1.7	0.8	1.7	1.7	1.7	1.7	1.7	2.5	4.2
130°	1.7	1.7	1.7	0.8	1.7	1.7	1.7	1.7	1.7	2.5	4.2
132.5°	1.7	1.7	1.7	0.8	1.7	1.7	1.7	1.7	1.7	2.5	3.4
135°	1.7	1.7	0.8	0.8	1.7	1.7	1.7	1.7	1.7	1.7	2.5
137.5°	1.7	1.7	1.7	0.8	1.7	1.7	1.7	1.7	1.7	1.7	2.5
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°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.5	2.5
147.5°	1.7	2.5	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.5	2.5
150°	2.5	2.5	1.7	1.7	1.7	1.7	1.7	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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
2.5°	2.5	2.5	1.7	1.7	1.7	1.7	2.5	2.5	2.5	2.5	2.5
5°	2.5	2.5	1.7	1.7	1.7	1.7	1.7	1.7	2.5	2.5	2.5
7.5°	2.5	2.5	1.7	1.7	1.7	1.7	1.7	1.7	2.5	2.5	2.5
10°	3.4	3.4	2.5	1.7	1.7	1.7	1.7	1.7	2.5	2.5	2.5
12.5°	20.2	17.7	13.5	7.6	3.4	1.7	1.7	1.7	2.5	3.4	3.4
15°	105.1	98.4	79.0	52.1	16.8	4.2	2.5	7.6	23.5	31.9	31.1
17.5°	120.2	110.1	82.4	57.2	46.2	21.0	21.9	39.5	46.2	49.6	48.8
20°	207.7	171.5	101.7	66.4	53.8	50.4	44.6	50.4	57.2	61.4	62.2
22.5°	236.3	196.7	121.1	99.2	68.9	71.5	66.4	63.9	90.8	97.5	99.2
25°	255.6	204.3	127.0	111.8	105.1	83.2	91.6	94.2	105.1	109.3	110.1
27.5°	327.9	240.5	156.4	127.8	117.7	105.1	108.5	108.5	120.2	140.4	141.2
30°	323.7	226.2	163.9	149.7	132.0	123.6	118.5	137.9	153.0	157.2	158.1
32.5°	379.2	244.7	183.3	158.1	147.1	131.2	140.4	151.3	160.6	172.4	179.1
35°	347.2	221.1	190.8	177.4	155.5	143.8	152.2	162.3	193.4	203.5	203.5
37.5°	311.9	201.8	184.1	179.1	167.3	153.0	155.5	183.3	197.6	193.4	193.4
40°	280.0	188.3	178.2	175.7	168.1	153.0	164.8	178.2	191.7	188.3	188.3
42.5°	259.8	179.9	172.4	170.7	164.8	150.5	159.7	175.7	190.8	185.0	184.1
45°	252.2	172.4	168.1	164.8	155.5	144.6	156.4	177.4	189.2	182.4	181.6
47.5°	259.8	168.1	163.9	159.7	148.0	135.4	158.1	174.9	185.8	175.7	174.0
50°	284.2	168.1	158.9	153.0	142.1	135.4	155.5	169.0	177.4	165.6	163.1
52.5°	316.1	171.5	153.9	145.4	136.2	134.5	152.2	165.6	170.7	158.1	157.2
55°	359.8	177.4	147.1	139.6	127.0	131.2	152.2	166.5	164.8	150.5	149.7
57.5°	404.4	184.1	141.2	135.4	121.1	127.0	150.5	167.3	157.2	139.6	139.6
60°	452.3	192.5	133.7	130.3	116.9	121.1	145.4	165.6	149.7	131.2	131.2
62.5°	500.2	196.7	127.8	125.3	111.8	115.2	139.6	160.6	147.1	129.5	129.5
65°	538.9	192.5	121.9	118.5	105.1	108.5	131.2	156.4	142.9	130.3	131.2
67.5°	560.8	180.8	116.0	113.5	98.4	101.7	121.1	147.1	136.2	129.5	131.2
70°	550.7	160.6	108.5	105.1	91.6	95.8	111.8	136.2	132.0	129.5	132.0
72.5°	507.0	145.4	99.2	97.5	83.2	89.1	105.9	127.0	127.0	134.5	135.4
75°	451.5	129.5	91.6	90.0	77.3	81.6	103.4	116.0	118.5	128.6	131.2
77.5°	366.6	108.5	80.7	82.4	75.7	75.7	98.4	109.3	111.8	123.6	124.4
80°	224.5	79.9	69.8	74.0	69.8	72.3	92.5	101.7	103.4	119.4	121.1
82.5°	111.8	56.3	59.7	65.6	62.2	71.5	88.3	96.7	105.1	121.1	121.9
85°	57.2	34.5	45.4	53.0	53.8	79.0	86.6	100.0	98.4	109.3	111.8
87.5°	36.2	17.7	26.1	28.6	40.4	74.8	76.5	82.4	80.7	93.3	93.3
90°	35.3	14.3	22.7	21.9	40.4	63.9	58.9	59.7	63.9	79.0	79.9
92.5°	37.0	13.5	23.5	21.9	42.9	50.4	47.1	45.4	50.4	59.7	61.4
95°	32.8	12.6	25.2	23.5	37.0	33.6	30.3	33.6	32.8	32.8	33.6
97.5°	19.3	9.2	24.4	23.5	29.4	17.7	20.2	25.2	19.3	14.3	13.5
100°	8.4	5.9	23.5	22.7	18.5	10.9	16.8	21.0	14.3	5.9	5.9
102.5°	5.0	5.0	16.8	21.0	10.9	5.9	12.6	14.3	8.4	5.0	5.0
105°	5.0	5.0	8.4	12.6	4.2	3.4	5.9	6.7	4.2	4.2	4.2
107.5°	5.0	5.0	4.2	4.2	3.4	3.4	3.4	3.4	3.4	4.2	4.2
110°	5.0	5.0	3.4	4.2	3.4	2.5	2.5	2.5	3.4	4.2	4.2

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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	4.2	4.2	3.4	3.4	2.5	2.5	2.5	2.5	3.4	4.2	4.2
115°	4.2	4.2	3.4	2.5	2.5	2.5	2.5	2.5	3.4	4.2	4.2
117.5°	4.2	3.4	2.5	2.5	2.5	2.5	2.5	2.5	3.4	5.0	5.0
120°	4.2	3.4	2.5	2.5	1.7	1.7	2.5	2.5	3.4	5.0	5.0
122.5°	4.2	4.2	2.5	2.5	1.7	1.7	1.7	2.5	3.4	5.0	5.0
125°	4.2	3.4	2.5	2.5	1.7	1.7	1.7	1.7	3.4	5.0	5.0
127.5°	4.2	3.4	2.5	1.7	1.7	1.7	1.7	1.7	3.4	5.0	5.0
130°	3.4	3.4	2.5	1.7	1.7	1.7	1.7	1.7	3.4	4.2	5.0
132.5°	3.4	2.5	1.7	1.7	1.7	1.7	1.7	1.7	2.5	4.2	4.2
135°	2.5	2.5	1.7	1.7	1.7	1.7	1.7	1.7	2.5	3.4	3.4
137.5°	2.5	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.5	2.5	2.5
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	1.7	1.7	1.7	2.5	2.5	2.5
145°	2.5	1.7	1.7	1.7	0.8	0.8	1.7	1.7	2.5	2.5	2.5
147.5°	2.5	1.7	1.7	1.7	0.8	0.8	1.7	1.7	2.5	2.5	2.5
150°	2.5	2.5	1.7	1.7	0.8	0.8	1.7	1.7	2.5	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)