

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: P694498

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

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P694498  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-29)  
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-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS AND FROSTED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2171 lumens  
Efficiency: N/A  
Efficacy: 99.6 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

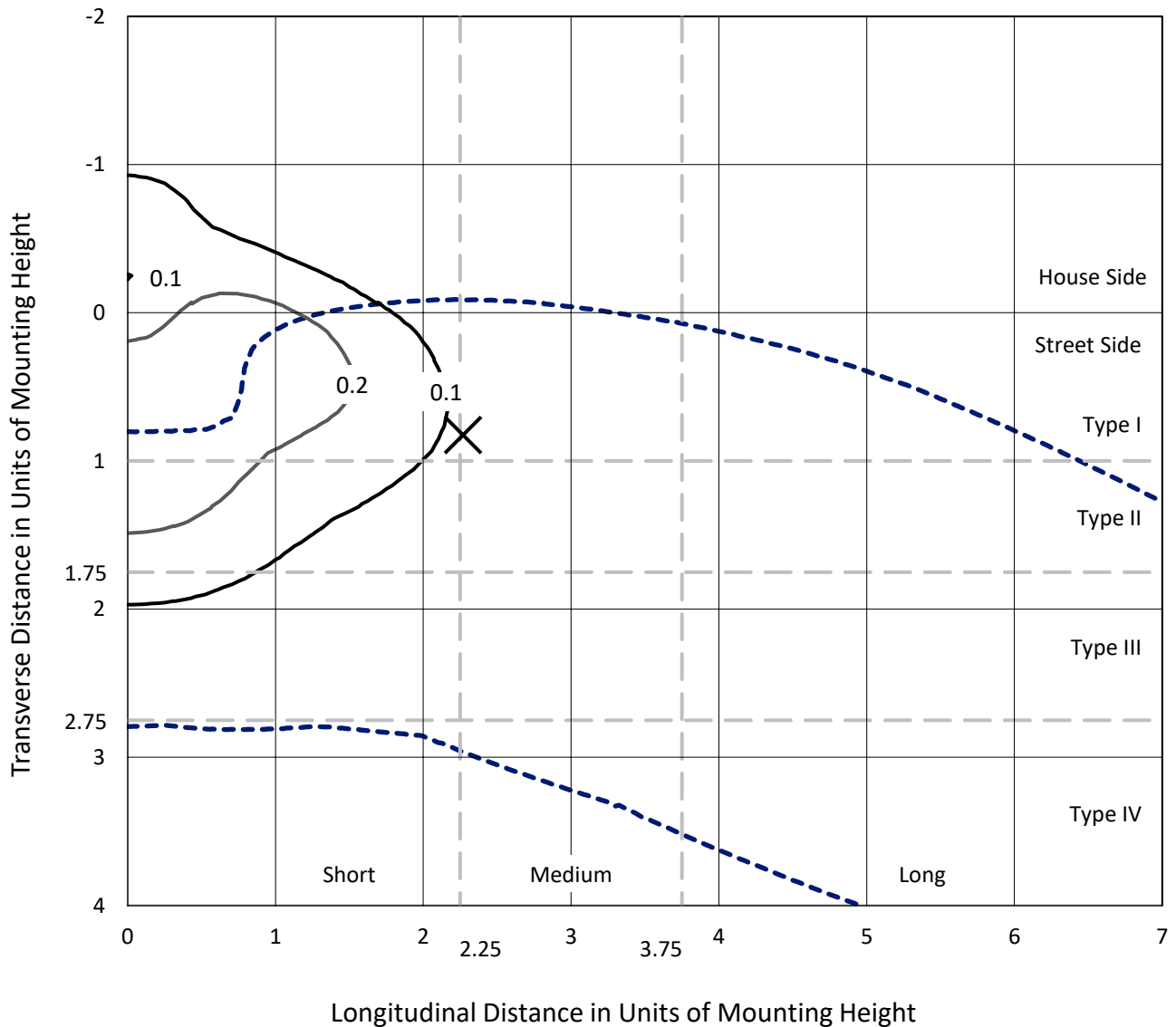
Input Watts (W): 21.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

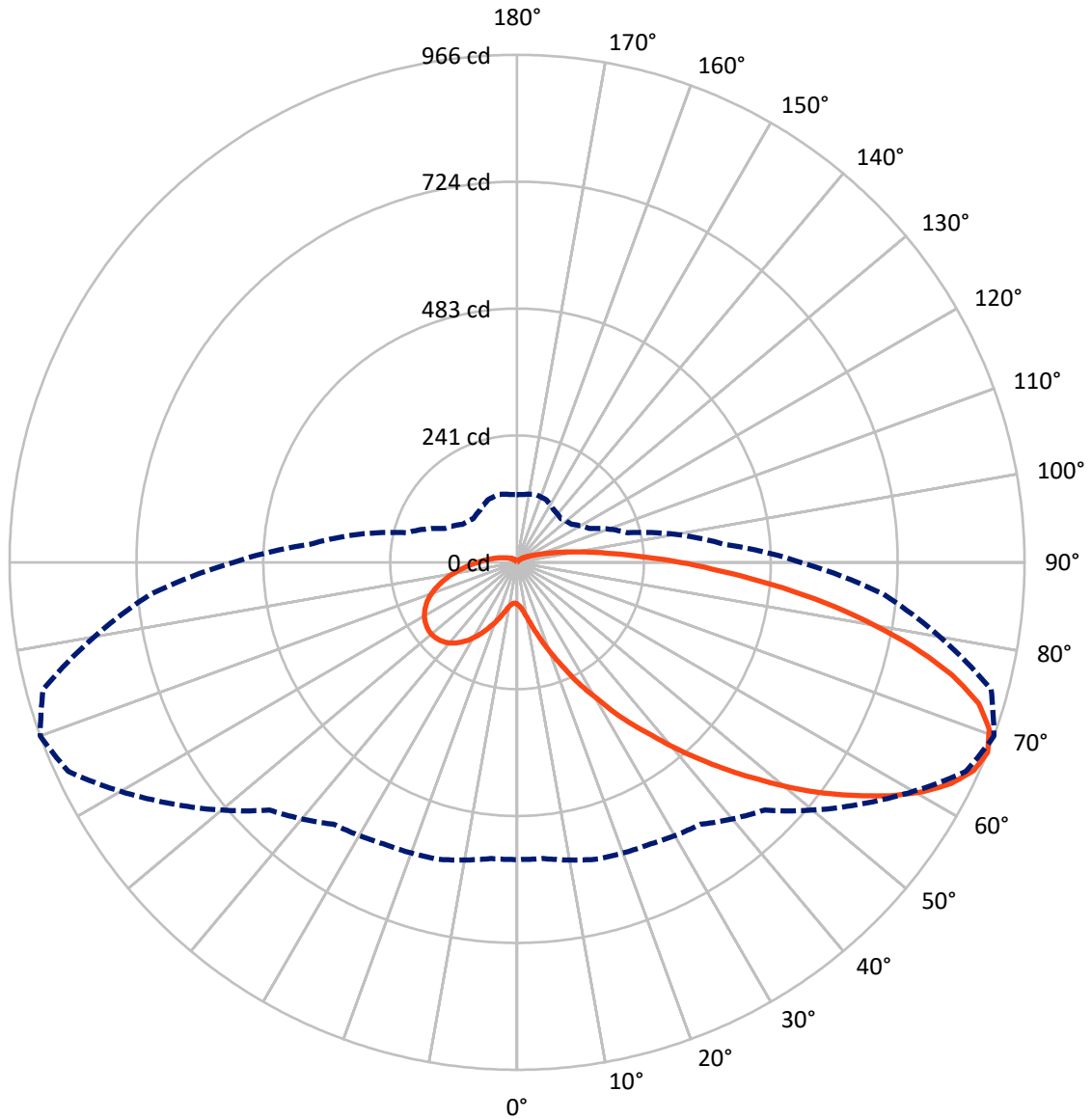
× Max cd  
 - - - 1/2 Max cd



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 70-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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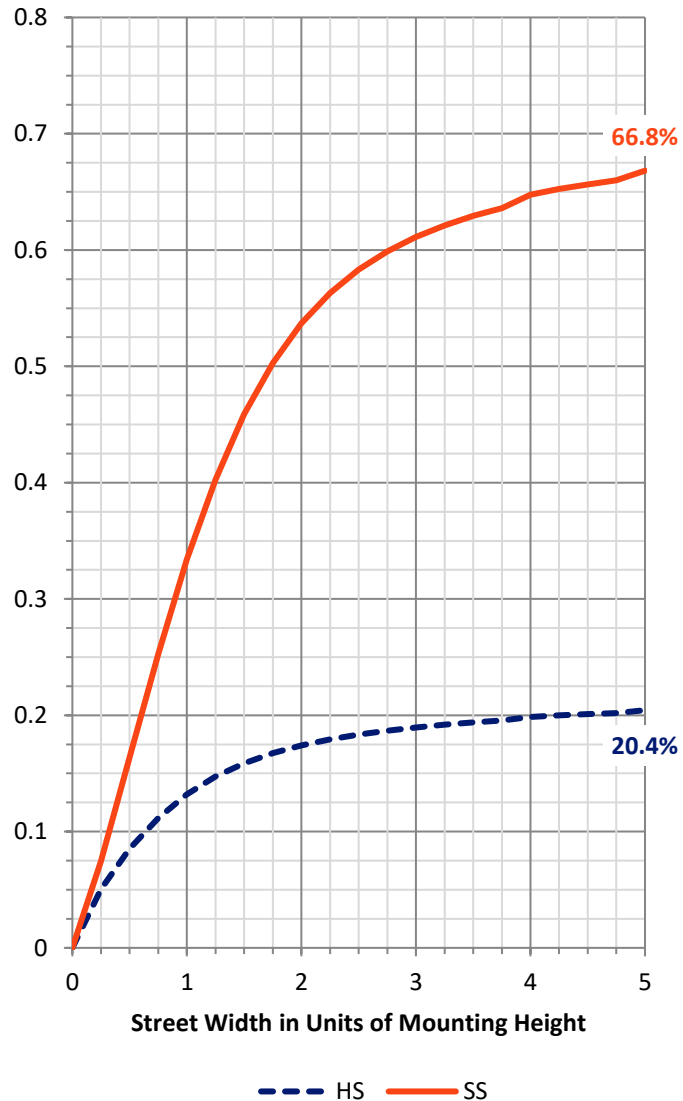
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	468.0	63.7	531.7
	% Fixture	21.6	2.9	24.5
<b>Street Side</b>	Lumens	1520.0	119.3	1639.3
	% Fixture	70.0	5.5	75.5
<b>Total</b>	Lumens	1988.0	183.0	2171.0
	% Fixture	91.6	8.4	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	8.3	0.4
10°-20°	34.4	1.6
20°-30°	86.6	4.0
30°-40°	169.6	7.8
40°-50°	276.2	12.7
50°-60°	387.0	17.8
60°-70°	443.9	20.4
70°-80°	369.5	17.0
80°-90°	212.5	9.8
90°-100°	97.5	4.5
100°-110°	44.6	2.1
110°-120°	21.9	1.0
120°-130°	11.3	0.5
130°-140°	5.5	0.3
140°-150°	2.0	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1988.0	91.6
0°-180°	2171.0	100.0

**Coefficient of Utilization**

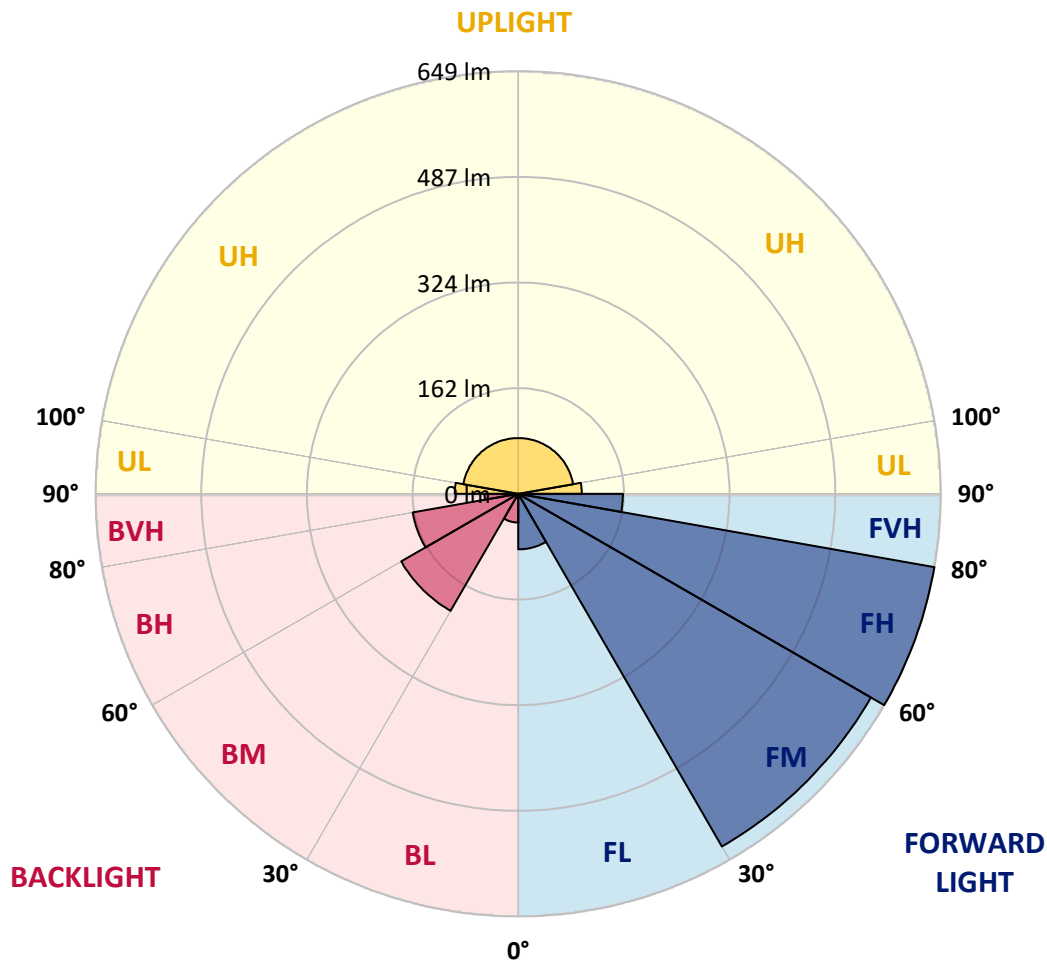


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	85.2	3.9			
FM (30°-60°)	625.3	28.8			
FH (60°-80°)	648.8	29.9			G0/660
FVH (80°-90°)	160.6	7.4			G2/225
BL (0°-30°)	44.1	2.0	B0/110		
BM (30°-60°)	207.6	9.6	B0/220		
BH (60°-80°)	164.6	7.6	B1/500		G1/500
BVH (80°-90°)	51.8	2.4			G1/100
UL (90°-100°)	97.5	4.5		U3/500	
UH (100°-180°)	85.5	3.9		U3/500	

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



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
2.5°	87.4	87.4	87.4	86.6	86.6	84.9	84.9	83.2	83.2	82.4	80.7
5°	98.3	98.3	97.5	97.5	95.8	94.1	92.4	89.9	88.2	87.4	84.9
7.5°	110.9	110.9	110.1	108.4	107.6	105.1	101.7	98.3	96.6	95.0	90.8
10°	126.1	126.1	124.4	123.5	121.9	118.5	115.1	110.1	107.6	105.1	99.2
12.5°	143.7	142.0	142.0	139.5	137.0	134.5	130.3	124.4	121.9	118.5	110.9
15°	162.2	162.2	162.2	159.7	156.3	152.1	148.8	142.9	141.2	136.1	127.7
17.5°	184.0	185.7	183.2	179.8	178.2	174.0	169.8	165.6	161.4	156.3	145.4
20°	210.9	210.1	207.6	204.2	201.7	197.5	195.0	187.4	184.0	179.0	163.0
22.5°	237.0	237.8	235.3	230.3	226.9	224.4	220.2	214.3	209.3	203.4	185.7
25°	271.4	270.6	264.7	257.2	253.8	250.4	247.9	242.0	238.7	233.6	210.9
27.5°	305.9	302.5	298.3	291.6	283.2	277.3	275.7	273.1	270.6	262.2	237.0
30°	342.0	338.7	333.6	322.7	310.9	304.2	304.2	307.6	301.7	295.0	266.4
32.5°	380.7	376.5	369.8	356.3	340.4	332.8	336.2	342.0	341.2	331.1	295.8
35°	419.4	418.5	408.4	391.6	371.5	362.2	367.3	379.0	379.0	371.5	327.8
37.5°	457.2	458.0	448.8	427.8	401.7	391.6	399.2	418.5	418.5	412.6	358.9
40°	505.1	503.4	486.6	462.2	433.6	421.0	436.2	461.4	465.6	454.7	393.3
42.5°	546.3	542.9	529.5	499.2	464.7	449.6	470.6	505.1	513.5	500.9	428.6
45°	588.3	584.1	568.1	534.5	495.8	478.2	507.6	553.8	564.7	553.0	465.6
47.5°	627.8	623.6	609.3	569.0	528.6	512.6	545.4	603.4	616.9	606.8	501.7
50°	663.9	663.1	645.4	603.4	557.2	542.1	584.9	655.5	673.2	658.0	538.7
52.5°	695.0	691.6	674.8	634.5	585.8	574.0	625.3	710.1	729.5	714.3	575.7
55°	714.3	712.7	697.5	658.0	611.8	603.4	665.6	759.7	783.3	769.8	610.1
57.5°	723.6	721.1	708.5	673.2	631.1	630.3	702.6	811.0	837.9	820.2	645.4
60°	714.3	712.7	704.3	677.4	643.7	651.3	741.2	858.0	886.6	867.3	673.2
62.5°	683.2	683.2	682.4	666.4	646.3	669.0	771.5	898.4	927.0	903.4	693.3
65°	634.5	637.0	642.1	638.7	635.3	674.8	791.7	928.6	954.7	927.0	704.3
67.5°	565.6	565.6	584.9	592.5	608.4	666.4	800.9	942.1	965.6	933.7	700.1
70°	489.1	489.1	511.0	532.8	568.1	644.6	790.8	934.5	953.0	917.7	681.6
72.5°	409.3	410.1	436.2	466.4	515.2	606.8	763.9	901.7	918.6	876.5	644.6
75°	331.1	337.8	359.7	399.2	455.5	556.3	713.5	844.6	854.7	814.3	592.5
77.5°	262.2	270.6	296.7	335.3	394.1	492.5	645.4	768.1	769.8	731.1	529.5
80°	207.6	213.5	240.4	276.5	333.6	427.8	564.7	673.2	671.5	633.7	453.8
82.5°	163.9	168.1	189.1	224.4	279.0	366.4	484.9	564.7	570.6	533.7	380.7
85°	126.1	131.1	150.4	181.5	230.3	305.1	400.9	463.1	465.6	432.8	313.5
87.5°	96.6	101.7	119.3	148.8	189.9	250.4	326.9	375.7	371.5	345.4	247.9
90°	74.8	77.3	95.0	119.3	155.5	206.7	263.0	295.0	295.0	269.8	198.3
92.5°	59.7	60.5	76.5	98.3	128.6	168.1	211.8	232.0	226.1	211.8	156.3
95°	47.1	48.7	61.3	80.7	105.9	137.8	167.2	181.5	176.5	163.0	122.7
97.5°	37.8	39.5	50.4	67.2	88.2	112.6	134.5	141.2	138.7	129.4	97.5
100°	31.1	31.9	41.2	57.1	74.0	93.3	107.6	111.8	106.7	100.8	76.5
102.5°	26.1	26.9	35.3	47.9	63.0	76.5	87.4	89.1	84.9	78.2	61.3
105°	21.9	22.7	29.4	41.2	52.9	64.7	71.4	70.6	66.4	61.3	49.6
107.5°	19.3	19.3	25.2	35.3	46.2	53.8	58.8	57.1	52.9	47.9	40.3
110°	16.8	16.8	21.0	30.3	39.5	46.2	48.7	46.2	42.0	38.7	32.8

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	15.1	15.1	18.5	26.1	33.6	39.5	40.3	37.0	34.5	31.9	26.9
115°	13.4	14.3	16.0	21.9	28.6	33.6	33.6	31.1	28.6	26.1	23.5
117.5°	12.6	12.6	14.3	19.3	25.2	28.6	28.6	26.1	23.5	21.9	20.2
120°	11.8	11.8	13.4	16.8	21.9	24.4	24.4	21.9	20.2	18.5	17.6
122.5°	10.9	10.9	11.8	14.3	18.5	21.0	21.0	18.5	16.8	16.0	15.1
125°	10.1	10.1	10.9	12.6	16.0	17.6	17.6	15.1	14.3	13.4	13.4
127.5°	9.2	9.2	10.1	10.9	13.4	15.1	14.3	12.6	11.8	11.8	11.8
130°	8.4	8.4	9.2	10.1	11.8	12.6	11.8	10.9	10.1	10.1	10.1
132.5°	8.4	8.4	8.4	8.4	9.2	10.1	10.1	9.2	8.4	9.2	9.2
135°	7.6	7.6	7.6	7.6	7.6	8.4	7.6	7.6	7.6	7.6	7.6
137.5°	6.7	6.7	6.7	6.7	6.7	6.7	5.9	5.9	5.9	6.7	6.7
140°	5.9	5.9	5.9	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.9
142.5°	5.0	5.0	5.0	4.2	4.2	3.4	3.4	3.4	4.2	4.2	5.0
145°	4.2	4.2	4.2	3.4	2.5	2.5	2.5	2.5	3.4	3.4	3.4
147.5°	3.4	3.4	3.4	2.5	1.7	1.7	1.7	1.7	2.5	2.5	2.5
150°	2.5	2.5	2.5	1.7	1.7	0.8	0.8	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°	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
2.5°	80.7	79.8	79.0	77.3	76.5	76.5	76.5	75.6	75.6	74.8	74.8
5°	83.2	82.4	79.0	76.5	74.8	73.1	71.4	70.6	69.8	68.9	68.9
7.5°	88.2	86.6	82.4	78.2	74.8	71.4	68.9	67.2	66.4	65.6	65.6
10°	95.8	93.3	86.6	80.7	75.6	71.4	68.1	66.4	64.7	63.9	63.9
12.5°	106.7	103.4	94.1	85.7	79.0	73.1	69.8	67.2	65.6	64.7	64.7
15°	121.9	116.0	104.2	93.3	84.0	76.5	72.3	70.6	69.8	69.8	69.8
17.5°	137.8	129.4	116.0	101.7	90.8	82.4	78.2	76.5	75.6	75.6	75.6
20°	155.5	146.2	127.7	110.9	97.5	89.9	84.9	83.2	82.4	82.4	82.4
22.5°	174.8	164.7	140.3	119.3	105.9	97.5	92.4	89.9	90.8	90.8	90.8
25°	196.7	182.4	153.8	129.4	113.5	105.1	100.0	97.5	99.2	100.0	100.0
27.5°	221.0	201.7	166.4	138.7	121.9	111.8	107.6	105.9	108.4	109.3	110.1
30°	244.6	222.7	179.0	148.8	128.6	118.5	114.3	115.1	116.8	118.5	120.2
32.5°	270.6	242.0	192.5	157.2	135.3	123.5	121.0	123.5	126.9	128.6	129.4
35°	295.8	262.2	202.5	164.7	140.3	128.6	126.9	131.1	135.3	138.7	138.7
37.5°	321.0	280.7	213.5	170.6	144.5	131.9	131.9	137.8	142.9	147.1	147.1
40°	347.1	300.9	222.7	175.6	147.9	135.3	136.1	143.7	150.4	153.0	153.8
42.5°	374.0	317.7	230.3	179.0	149.6	137.8	139.5	148.8	155.5	158.0	158.8
45°	400.0	335.3	236.2	180.7	151.3	138.7	141.2	152.1	158.8	161.4	161.4
47.5°	424.4	350.4	240.4	181.5	151.3	138.7	142.9	153.8	161.4	162.2	162.2
50°	450.5	365.6	243.7	181.5	150.4	138.7	142.9	154.6	161.4	161.4	161.4
52.5°	475.7	379.0	245.4	179.8	148.8	137.8	142.0	153.8	160.5	158.8	158.8
55°	499.2	389.9	244.6	177.3	146.2	135.3	140.3	152.1	158.0	155.5	155.5
57.5°	518.5	399.2	242.9	174.0	143.7	132.8	137.8	149.6	154.6	151.3	150.4
60°	535.3	405.1	239.5	169.8	139.5	129.4	135.3	146.2	150.4	146.2	145.4
62.5°	544.6	407.6	234.5	163.9	136.1	126.1	131.1	142.0	145.4	140.3	140.3
65°	547.9	404.2	226.9	158.0	131.1	122.7	126.9	137.0	139.5	135.3	134.5
67.5°	539.5	395.0	217.7	152.1	126.1	117.7	121.9	131.1	133.6	129.4	128.6
70°	521.9	377.3	205.9	143.7	120.2	112.6	116.0	123.5	126.9	123.5	122.7
72.5°	489.1	355.5	192.5	135.3	113.5	106.7	110.1	116.8	120.2	116.8	116.0
75°	450.5	326.9	177.3	126.1	106.7	100.8	103.4	108.4	111.8	110.1	108.4
77.5°	399.2	292.5	161.4	116.8	100.0	94.1	95.8	100.8	103.4	101.7	101.7
80°	345.4	254.6	145.4	106.7	93.3	88.2	88.2	92.4	95.0	94.1	92.4
82.5°	293.3	217.7	128.6	96.6	84.9	80.7	81.5	83.2	86.6	84.9	84.0
85°	241.2	184.9	112.6	87.4	77.3	74.0	74.0	74.8	77.3	76.5	75.6
87.5°	197.5	152.1	98.3	77.3	69.8	67.2	65.6	67.2	67.2	67.2	65.6
90°	160.5	126.1	84.9	68.9	63.9	60.5	58.8	58.8	58.8	58.0	57.1
92.5°	127.7	104.2	74.0	61.3	57.1	54.6	52.9	52.1	51.3	49.6	49.6
95°	105.1	85.7	63.9	53.8	51.3	48.7	47.1	46.2	44.5	42.9	42.0
97.5°	83.2	71.4	54.6	47.9	45.4	43.7	42.0	40.3	37.8	36.1	35.3
100°	66.4	58.0	47.1	42.0	40.3	38.7	37.0	35.3	32.8	30.3	29.4
102.5°	54.6	48.7	40.3	37.8	36.1	34.5	33.6	31.1	27.7	25.2	25.2
105°	44.5	40.3	35.3	32.8	31.9	31.1	29.4	26.9	23.5	21.0	21.0
107.5°	37.0	34.5	30.3	29.4	28.6	27.7	26.1	23.5	20.2	17.6	17.6
110°	31.1	28.6	26.1	25.2	25.2	24.4	23.5	20.2	17.6	15.1	15.1

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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	26.1	24.4	23.5	22.7	22.7	21.9	21.0	17.6	15.1	13.4	13.4
115°	21.9	21.0	20.2	20.2	20.2	19.3	18.5	16.0	12.6	11.8	11.8
117.5°	19.3	18.5	17.6	17.6	17.6	17.6	16.0	13.4	10.9	10.1	10.1
120°	16.8	16.8	16.0	16.0	16.0	15.1	14.3	11.8	9.2	9.2	9.2
122.5°	15.1	14.3	14.3	14.3	14.3	13.4	11.8	10.1	8.4	8.4	8.4
125°	13.4	12.6	12.6	12.6	12.6	11.8	10.1	8.4	7.6	7.6	7.6
127.5°	11.8	11.8	10.9	10.9	10.9	10.1	9.2	7.6	6.7	6.7	6.7
130°	10.1	10.1	10.1	10.1	9.2	8.4	7.6	6.7	5.9	5.9	5.9
132.5°	9.2	9.2	8.4	8.4	8.4	7.6	6.7	5.9	5.0	5.9	5.9
135°	7.6	7.6	7.6	7.6	6.7	5.9	5.9	5.0	5.0	5.0	5.0
137.5°	6.7	6.7	6.7	5.9	5.9	5.0	5.0	4.2	4.2	4.2	5.0
140°	5.9	5.9	5.0	5.0	4.2	4.2	4.2	3.4	4.2	4.2	4.2
142.5°	5.0	5.0	4.2	4.2	3.4	3.4	3.4	3.4	3.4	3.4	3.4
145°	3.4	3.4	3.4	3.4	2.5	2.5	2.5	2.5	3.4	3.4	3.4
147.5°	2.5	2.5	2.5	2.5	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	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)