

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: P695088

Luminaire Tested: **LXF.LXT-PA16-40-730-U-T4W-FL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695088  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-40-730-U-T4W-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS  
AND FROSTED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4063 lumens  
Efficiency: N/A  
Efficacy: 101.1 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 - G3

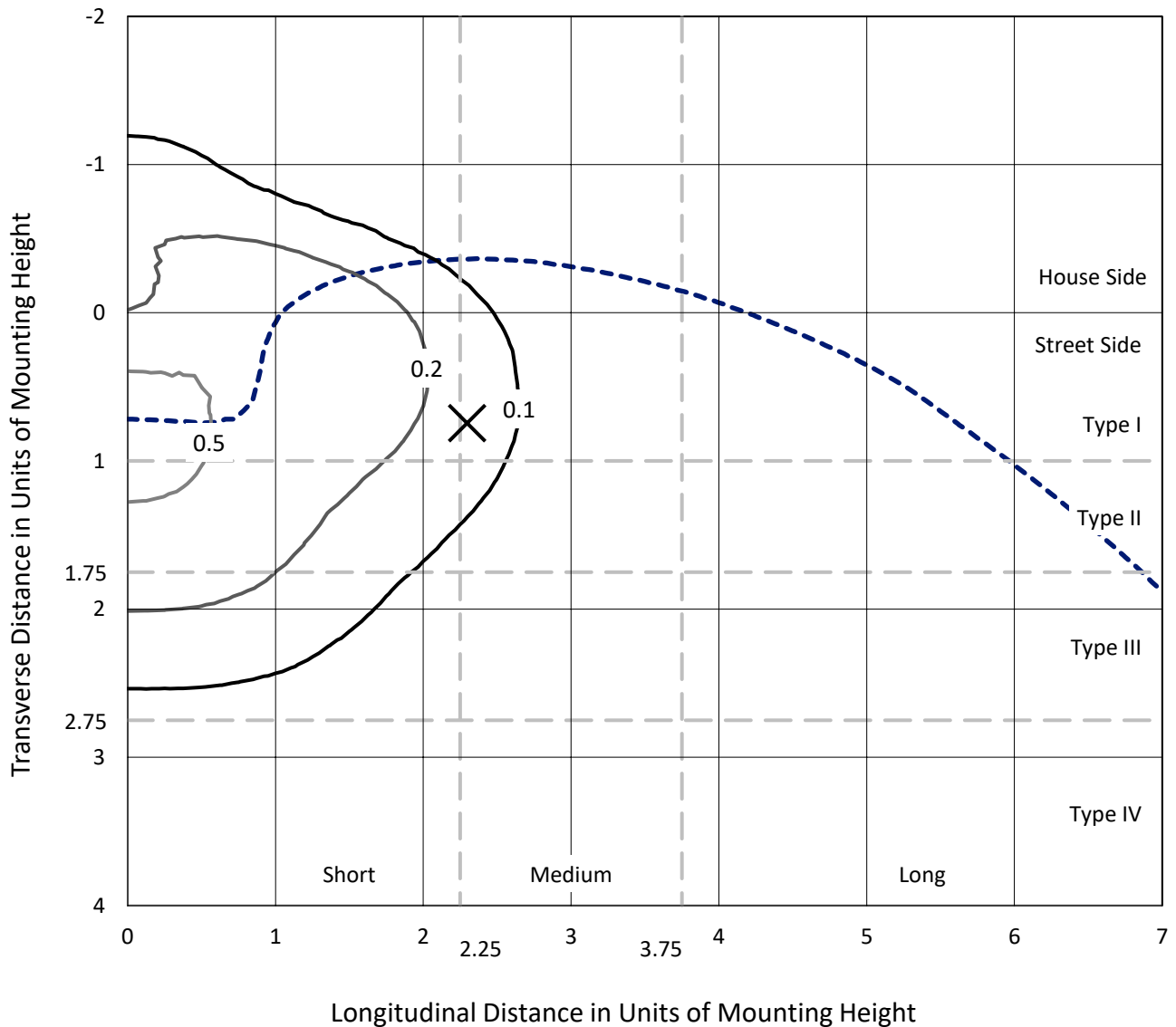
Input Watts (W): 40.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

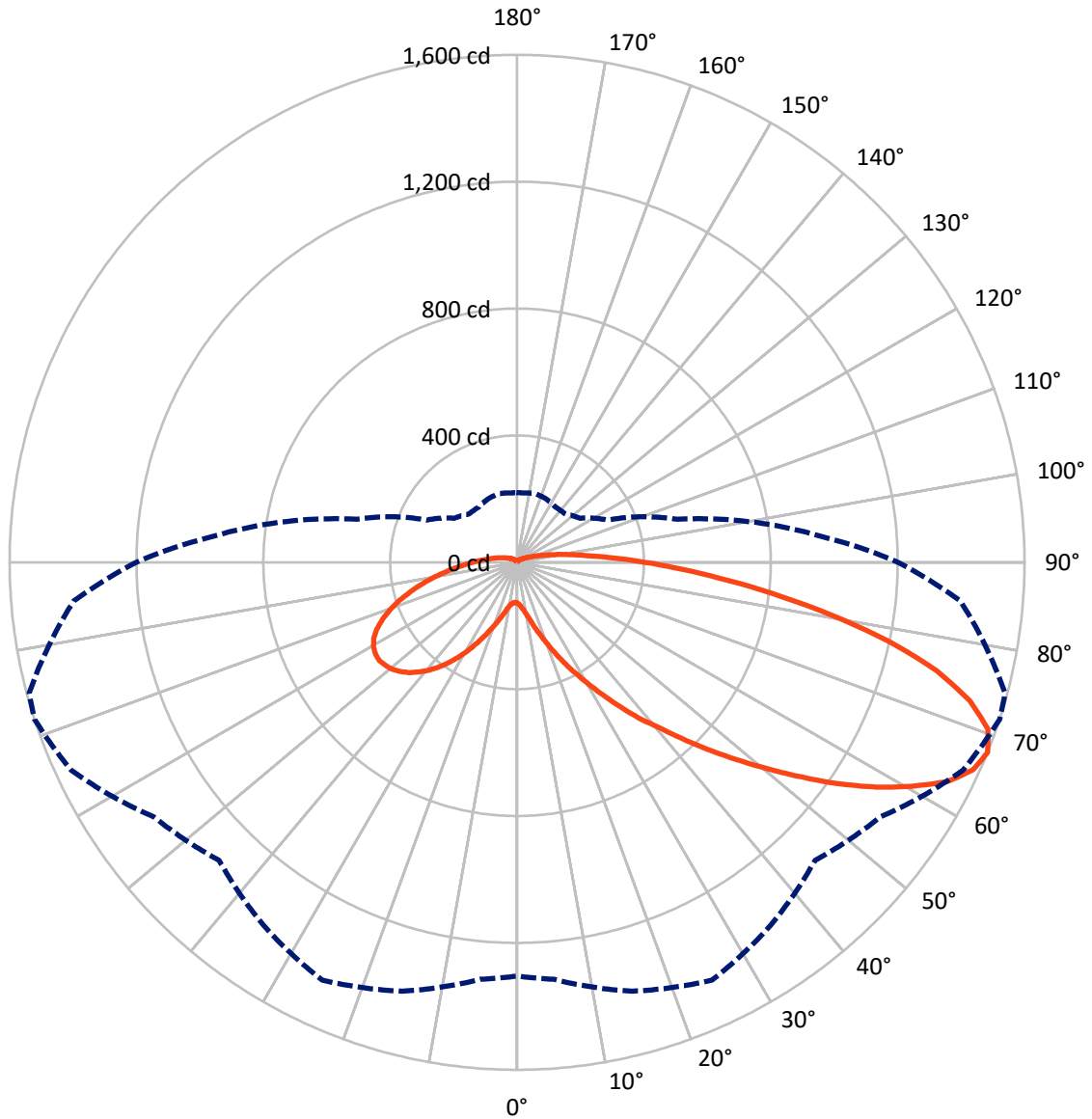
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 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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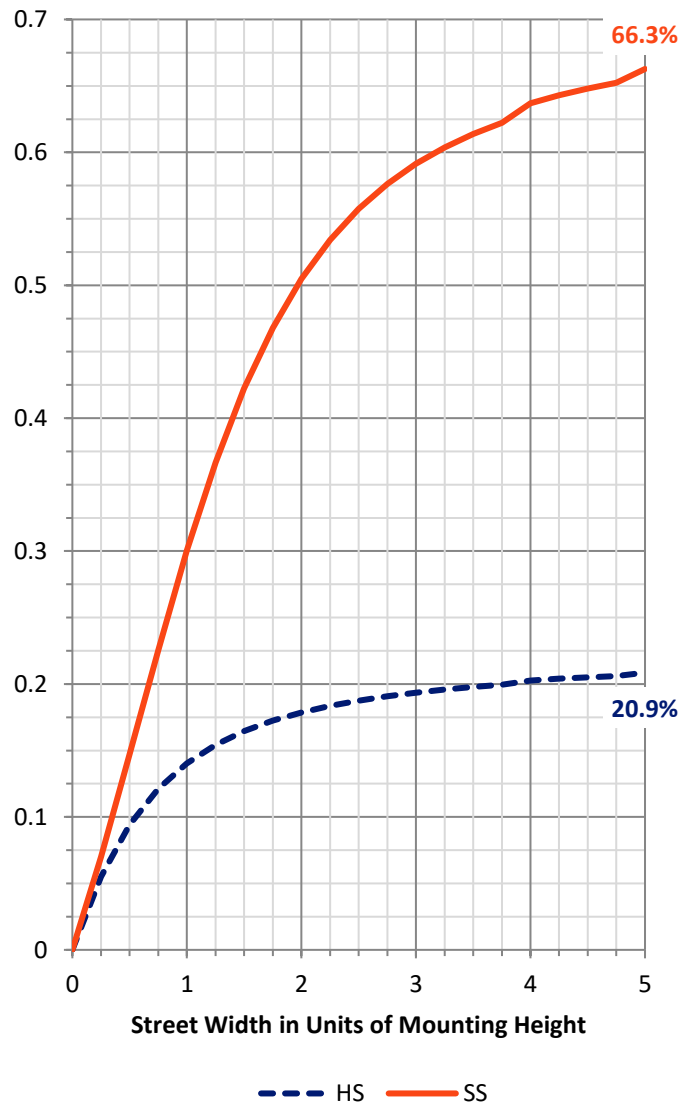
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	897.5	120.2	1017.7
	% Fixture	22.1	3.0	25.0
<b>Street Side</b>	Lumens	2844.7	200.6	3045.3
	% Fixture	70.0	4.9	75.0
<b>Total</b>	Lumens	3742.2	320.8	4063.0
	% Fixture	92.1	7.9	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	13.4	0.3
10°-20°	55.7	1.4
20°-30°	142.7	3.5
30°-40°	286.6	7.1
40°-50°	482.5	11.9
50°-60°	712.6	17.5
60°-70°	878.0	21.6
70°-80°	758.1	18.7
80°-90°	412.5	10.2
90°-100°	175.3	4.3
100°-110°	76.8	1.9
110°-120°	37.0	0.9
120°-130°	18.9	0.5
130°-140°	9.2	0.2
140°-150°	3.5	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3742.2	92.1
0°-180°	4063.0	100.0

**Coefficient of Utilization**

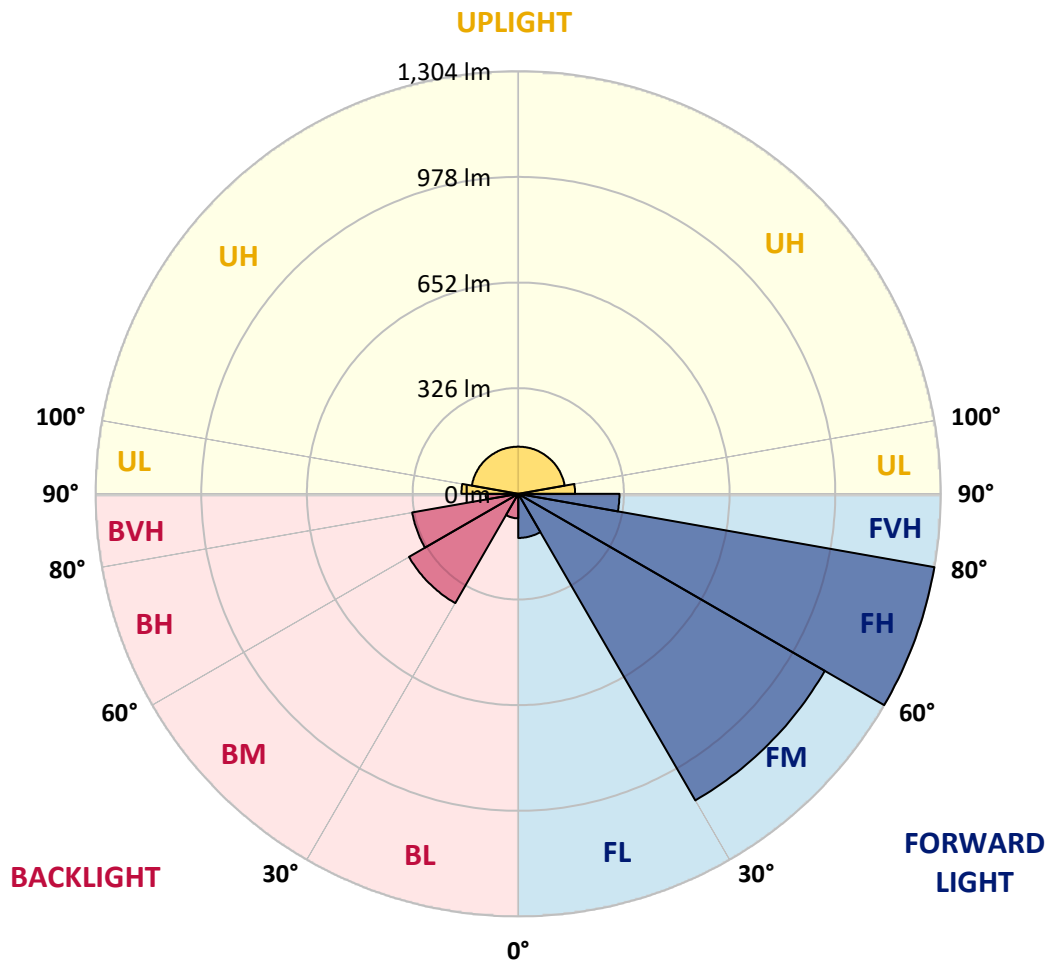


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	136.2	3.4			
FM (30°-60°)	1092.3	26.9			
FH (60°-80°)	1304.0	32.1			G1/1800
FVH (80°-90°)	312.2	7.7			G3/500
BL (0°-30°)	75.6	1.9	B0/110		
BM (30°-60°)	389.3	9.6	B1/1000		
BH (60°-80°)	332.2	8.2	B1/500		G1/500
BVH (80°-90°)	100.3	2.5			G2/225
UL (90°-100°)	175.3	4.3		U3/500	
UH (100°-180°)	145.5	3.6		U3/500	

**BUG Rating: B1-U3-G3**  
 Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	128.4	128.4	128.4	128.4	128.4	128.4	128.4	128.4	128.4	128.4	128.4
2.5°	140.3	140.3	140.3	138.8	137.3	137.3	135.8	134.3	132.8	131.3	129.9
5°	156.7	156.7	155.2	155.2	152.2	150.7	147.8	143.3	141.8	140.3	135.8
7.5°	177.6	177.6	174.6	174.6	170.2	167.2	162.7	156.7	152.2	150.7	144.8
10°	201.5	200.0	200.0	195.5	191.0	188.1	180.6	173.1	168.7	165.7	158.2
12.5°	232.8	231.3	228.4	223.9	217.9	210.5	203.0	195.5	188.1	185.1	176.1
15°	267.2	267.2	264.2	256.7	249.3	238.8	229.9	220.9	214.9	211.9	200.0
17.5°	307.5	306.0	303.0	294.0	282.1	271.6	261.2	250.8	243.3	240.3	226.9
20°	356.7	355.2	346.3	332.8	322.4	307.5	294.0	282.1	276.1	273.1	258.2
22.5°	410.5	407.5	398.5	382.1	361.2	346.3	331.3	319.4	313.4	309.0	295.5
25°	471.7	467.2	455.2	429.9	406.0	385.1	370.2	358.2	355.2	352.2	334.3
27.5°	538.8	535.8	519.4	488.1	455.2	431.4	411.9	404.5	398.5	395.5	376.1
30°	616.4	612.0	586.6	550.8	507.5	473.1	455.2	450.8	446.3	447.8	429.9
32.5°	692.6	692.6	661.2	613.4	559.7	519.4	498.5	501.5	500.0	500.0	479.1
35°	774.6	776.1	737.3	685.1	614.9	568.7	547.8	555.2	558.2	556.7	535.8
37.5°	861.2	858.2	819.4	753.7	673.1	616.4	598.5	609.0	622.4	617.9	598.5
40°	956.7	950.8	913.5	828.4	737.3	668.7	652.3	673.1	682.1	688.1	661.2
42.5°	1043.3	1040.3	997.0	909.0	801.5	723.9	706.0	734.3	758.2	759.7	732.9
45°	1128.4	1122.4	1086.6	988.1	864.2	786.6	771.7	812.0	840.3	843.3	813.4
47.5°	1206.0	1206.0	1165.7	1068.7	941.8	849.3	838.8	892.6	928.4	931.4	898.5
50°	1286.6	1283.6	1249.3	1150.8	1014.9	917.9	913.5	982.1	1022.4	1026.9	983.6
52.5°	1346.3	1346.3	1323.9	1231.4	1085.1	985.1	992.6	1073.2	1125.4	1137.3	1080.6
55°	1398.5	1400.0	1385.1	1301.5	1165.7	1058.2	1068.7	1170.2	1232.9	1249.3	1177.6
57.5°	1432.9	1434.4	1438.8	1373.2	1235.8	1125.4	1152.3	1273.2	1337.3	1350.8	1270.2
60°	1446.3	1450.8	1471.7	1428.4	1298.5	1195.5	1231.4	1365.7	1432.9	1447.8	1344.8
62.5°	1432.9	1440.3	1482.1	1467.2	1355.3	1255.2	1303.0	1450.8	1522.4	1528.4	1404.5
65°	1392.6	1401.5	1458.2	1476.1	1388.1	1303.0	1365.7	1516.4	1579.1	1580.6	1423.9
67.5°	1304.5	1319.4	1400.0	1453.8	1395.5	1328.4	1398.5	1550.8	1600.0	1592.6	1403.0
70°	1197.0	1209.0	1301.5	1388.1	1368.7	1323.9	1403.0	1543.3	1574.7	1556.7	1332.9
72.5°	1047.8	1061.2	1170.2	1283.6	1300.0	1288.1	1365.7	1492.6	1492.6	1465.7	1223.9
75°	886.6	912.0	1009.0	1143.3	1203.0	1209.0	1292.6	1388.1	1367.2	1328.4	1070.2
77.5°	729.9	738.8	834.3	983.6	1061.2	1097.0	1171.7	1235.8	1198.5	1152.3	907.5
80°	580.6	588.1	674.6	812.0	910.5	971.7	1032.9	1053.8	1001.5	955.2	740.3
82.5°	450.8	459.7	537.3	658.2	756.7	817.9	868.7	873.2	812.0	770.2	589.6
85°	338.8	347.8	413.4	520.9	613.4	677.6	709.0	706.0	638.8	604.5	456.7
87.5°	262.7	261.2	314.9	400.0	486.6	537.3	561.2	541.8	495.5	465.7	350.8
90°	195.5	201.5	243.3	311.9	379.1	422.4	441.8	419.4	380.6	356.7	270.2
92.5°	150.7	153.7	191.0	243.3	300.0	337.3	350.8	325.4	288.1	274.6	207.5
95°	117.9	120.9	147.8	191.0	232.8	261.2	268.7	249.3	219.4	209.0	161.2
97.5°	95.5	97.0	116.4	152.2	185.1	207.5	210.5	191.0	171.6	159.7	126.9
100°	76.1	76.1	94.0	120.9	146.3	164.2	162.7	150.7	134.3	125.4	98.5
102.5°	62.7	62.7	76.1	100.0	119.4	132.8	132.8	117.9	104.5	97.0	77.6
105°	52.2	52.2	62.7	80.6	98.5	109.0	107.5	95.5	82.1	76.1	61.2
107.5°	44.8	44.8	52.2	67.2	80.6	89.6	88.1	76.1	65.7	61.2	50.7
110°	38.8	38.8	44.8	56.7	68.7	74.6	73.1	61.2	52.2	49.3	41.8

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	32.8	34.3	37.3	47.8	58.2	64.2	61.2	50.7	41.8	38.8	35.8
115°	29.9	29.9	32.8	40.3	49.3	53.7	50.7	41.8	34.3	32.8	29.9
117.5°	26.9	26.9	29.9	35.8	43.3	46.3	43.3	34.3	29.9	26.9	25.4
120°	23.9	23.9	25.4	31.3	35.8	38.8	35.8	28.4	23.9	23.9	22.4
122.5°	22.4	22.4	23.9	26.9	31.3	32.8	29.9	23.9	20.9	20.9	20.9
125°	19.4	20.9	20.9	23.9	26.9	28.4	25.4	20.9	17.9	17.9	17.9
127.5°	17.9	17.9	19.4	20.9	22.4	23.9	20.9	17.9	16.4	14.9	16.4
130°	16.4	16.4	16.4	17.9	19.4	19.4	17.9	14.9	13.4	13.4	14.9
132.5°	14.9	14.9	14.9	14.9	16.4	16.4	14.9	11.9	11.9	11.9	13.4
135°	13.4	13.4	13.4	13.4	13.4	13.4	11.9	10.4	10.4	10.4	11.9
137.5°	11.9	11.9	11.9	11.9	10.4	10.4	9.0	9.0	9.0	9.0	10.4
140°	10.4	10.4	10.4	9.0	9.0	7.5	7.5	7.5	7.5	7.5	9.0
142.5°	9.0	9.0	9.0	7.5	6.0	6.0	6.0	6.0	6.0	6.0	7.5
145°	7.5	7.5	6.0	6.0	4.5	4.5	4.5	4.5	4.5	4.5	6.0
147.5°	6.0	6.0	4.5	4.5	3.0	3.0	3.0	3.0	4.5	4.5	4.5
150°	4.5	4.5	3.0	3.0	3.0	1.5	1.5	3.0	3.0	3.0	3.0
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°	128.4	128.4	128.4	128.4	128.4	128.4	128.4	128.4	128.4	128.4	128.4
2.5°	129.9	128.4	126.9	125.4	123.9	123.9	122.4	120.9	120.9	120.9	119.4
5°	134.3	131.3	128.4	125.4	120.9	119.4	116.4	114.9	113.4	111.9	111.9
7.5°	141.8	138.8	132.8	126.9	122.4	117.9	113.4	110.4	109.0	107.5	107.5
10°	153.7	149.3	140.3	132.8	125.4	119.4	114.9	110.4	109.0	107.5	106.0
12.5°	170.2	165.7	153.7	141.8	132.8	123.9	117.9	113.4	110.4	109.0	109.0
15°	194.0	186.6	171.6	156.7	143.3	132.8	125.4	120.9	119.4	117.9	117.9
17.5°	219.4	209.0	192.5	173.1	158.2	144.8	135.8	132.8	129.9	128.4	128.4
20°	249.3	237.3	216.4	192.5	173.1	159.7	149.3	143.3	140.3	138.8	138.8
22.5°	282.1	271.6	241.8	214.9	191.0	176.1	161.2	153.7	150.7	149.3	150.7
25°	320.9	306.0	271.6	238.8	210.5	189.6	174.6	164.2	162.7	161.2	162.7
27.5°	364.2	344.8	304.5	261.2	228.4	203.0	186.6	176.1	174.6	173.1	174.6
30°	410.5	392.5	338.8	288.1	246.3	214.9	197.0	188.1	185.1	186.6	185.1
32.5°	461.2	432.8	373.1	311.9	261.2	223.9	204.5	197.0	197.0	198.5	198.5
35°	516.4	485.1	407.5	334.3	273.1	232.8	211.9	206.0	206.0	209.0	209.0
37.5°	571.7	534.3	441.8	352.2	282.1	237.3	217.9	213.4	213.4	217.9	217.9
40°	631.4	586.6	473.1	368.7	289.6	241.8	220.9	219.4	220.9	225.4	225.4
42.5°	695.5	637.3	501.5	380.6	292.5	243.3	223.9	223.9	226.9	229.9	231.3
45°	762.7	692.6	529.9	388.1	294.0	243.3	225.4	225.4	231.3	234.3	234.3
47.5°	835.8	747.8	552.2	392.5	292.5	241.8	225.4	228.4	232.8	235.8	235.8
50°	914.9	807.5	573.1	392.5	289.6	240.3	225.4	228.4	234.3	235.8	235.8
52.5°	992.6	865.7	586.6	388.1	285.1	237.3	223.9	228.4	234.3	234.3	234.3
55°	1074.6	920.9	598.5	382.1	279.1	234.3	222.4	228.4	232.8	232.8	232.8
57.5°	1140.3	965.7	600.0	373.1	273.1	231.3	220.9	226.9	231.3	229.9	229.9
60°	1197.0	997.0	595.5	361.2	265.7	226.9	219.4	225.4	229.9	226.9	226.9
62.5°	1234.4	1010.5	582.1	347.8	258.2	223.9	217.9	223.9	228.4	225.4	225.4
65°	1235.8	997.0	556.7	332.8	249.3	219.4	214.9	222.4	226.9	222.4	222.4
67.5°	1201.5	956.7	523.9	314.9	241.8	214.9	211.9	219.4	223.9	219.4	219.4
70°	1128.4	889.6	483.6	297.0	231.3	210.5	209.0	216.4	219.4	214.9	213.4
72.5°	1022.4	800.0	438.8	276.1	220.9	203.0	203.0	210.5	213.4	209.0	207.5
75°	885.1	697.0	389.6	253.7	209.0	195.5	197.0	203.0	206.0	201.5	198.5
77.5°	744.8	592.5	341.8	234.3	197.0	186.6	188.1	195.5	197.0	192.5	189.6
80°	604.5	482.1	294.0	211.9	183.6	177.6	179.1	183.6	185.1	180.6	177.6
82.5°	485.1	392.5	249.3	191.0	170.2	165.7	168.7	171.6	171.6	167.2	164.2
85°	382.1	311.9	211.9	168.7	155.2	153.7	156.7	158.2	156.7	152.2	149.3
87.5°	295.5	247.8	177.6	147.8	140.3	141.8	143.3	143.3	141.8	138.8	134.3
90°	229.9	197.0	149.3	129.9	126.9	128.4	129.9	129.9	126.9	122.4	119.4
92.5°	182.1	159.7	125.4	113.4	113.4	116.4	116.4	116.4	111.9	107.5	106.0
95°	141.8	126.9	106.0	100.0	100.0	103.0	104.5	103.0	98.5	94.0	92.5
97.5°	113.4	103.0	91.0	86.6	89.6	92.5	92.5	89.6	85.1	82.1	80.6
100°	91.0	83.6	76.1	76.1	79.1	82.1	82.1	79.1	74.6	68.7	68.7
102.5°	73.1	70.2	65.7	67.2	68.7	71.6	71.6	68.7	62.7	58.2	58.2
105°	59.7	58.2	56.7	58.2	61.2	62.7	62.7	59.7	53.7	49.3	49.3
107.5°	49.3	47.8	47.8	50.7	53.7	55.2	55.2	50.7	46.3	41.8	43.3
110°	41.8	40.3	40.3	43.3	46.3	47.8	47.8	44.8	38.8	35.8	37.3

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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	34.3	34.3	35.8	38.8	41.8	43.3	41.8	37.3	32.8	31.3	31.3
115°	29.9	29.9	31.3	34.3	35.8	37.3	35.8	32.8	28.4	26.9	26.9
117.5°	25.4	25.4	26.9	29.9	31.3	32.8	31.3	28.4	23.9	23.9	23.9
120°	22.4	22.4	23.9	26.9	28.4	28.4	26.9	23.9	20.9	20.9	20.9
122.5°	20.9	20.9	20.9	22.4	23.9	25.4	23.9	20.9	17.9	17.9	17.9
125°	17.9	17.9	19.4	20.9	20.9	20.9	19.4	17.9	16.4	16.4	16.4
127.5°	16.4	16.4	16.4	17.9	19.4	17.9	16.4	14.9	13.4	14.9	14.9
130°	14.9	14.9	14.9	14.9	16.4	16.4	14.9	13.4	11.9	11.9	11.9
132.5°	13.4	13.4	13.4	13.4	13.4	13.4	11.9	10.4	10.4	11.9	11.9
135°	11.9	11.9	11.9	11.9	11.9	11.9	10.4	9.0	9.0	10.4	10.4
137.5°	10.4	10.4	10.4	9.0	10.4	9.0	9.0	9.0	9.0	9.0	9.0
140°	9.0	9.0	9.0	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
142.5°	7.5	7.5	7.5	6.0	6.0	6.0	6.0	6.0	6.0	7.5	7.5
145°	6.0	6.0	6.0	4.5	4.5	4.5	4.5	4.5	6.0	6.0	6.0
147.5°	4.5	4.5	4.5	4.5	3.0	3.0	3.0	4.5	4.5	4.5	4.5
150°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	4.5	4.5	4.5
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)