

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: P414995

Luminaire Tested: **LXF.LXT-PA1-40-727-U-T2U-FL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414995  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-40-727-U-T2U-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS  
AND FROSTED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3881 lumens  
Efficiency: N/A  
Efficacy: 97.0 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type III - Short - Non-Cutoff  
BUG Rating: B1 - U3 - G2

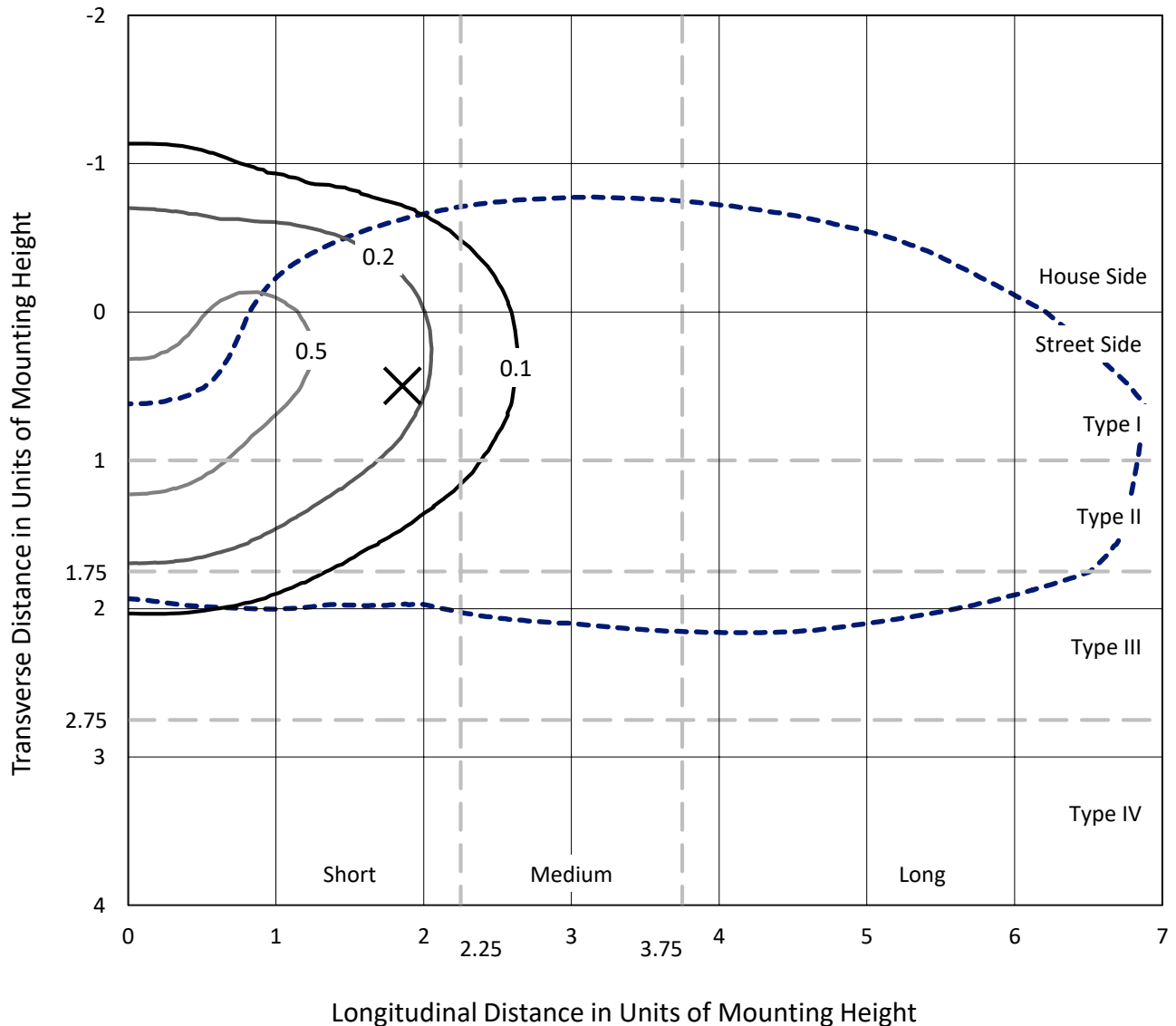
Input Watts (W): 40  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

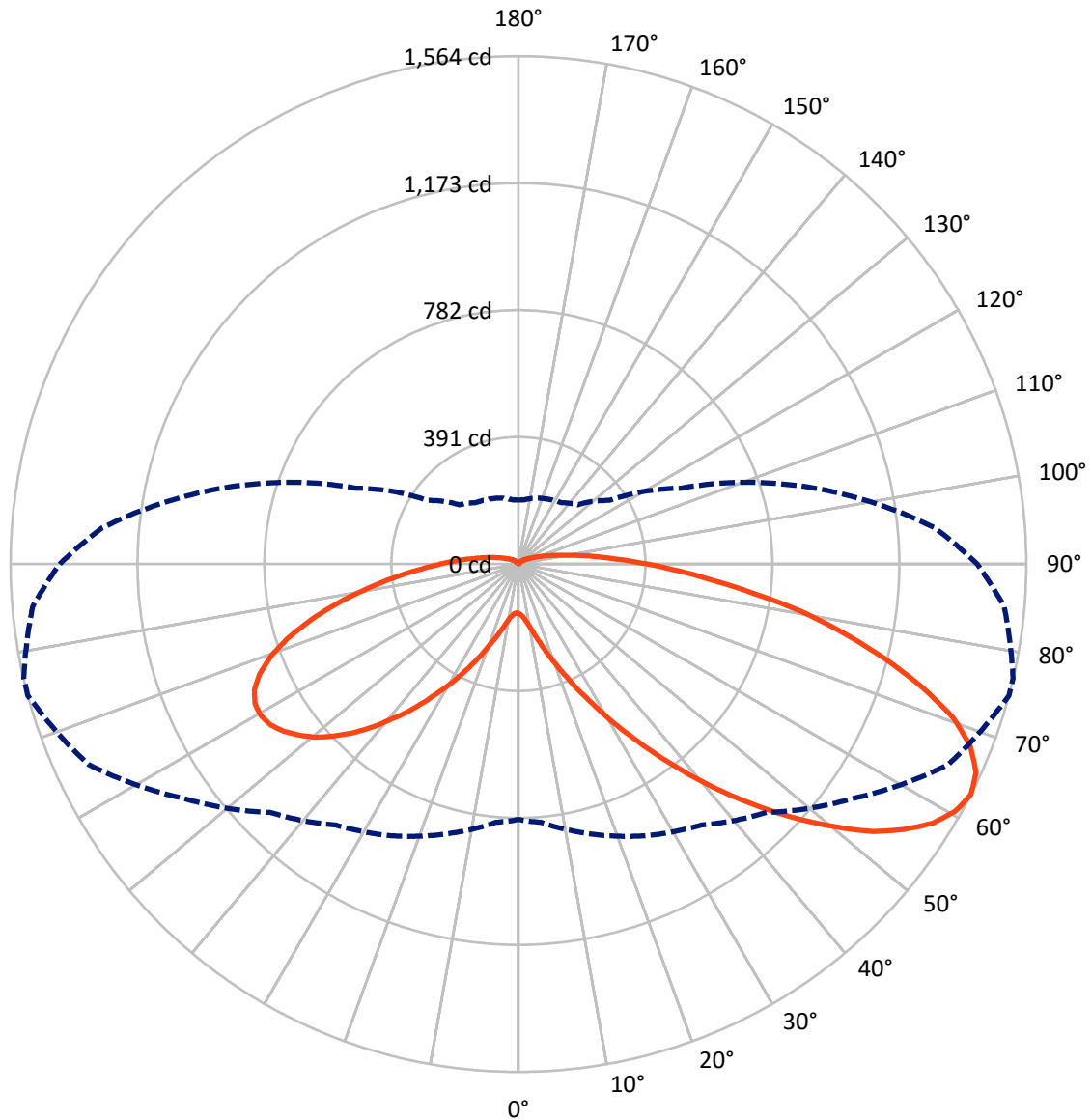


Based on 25 foot mounting height. Maximum calculated value = 0.8 fc  
 Type III - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

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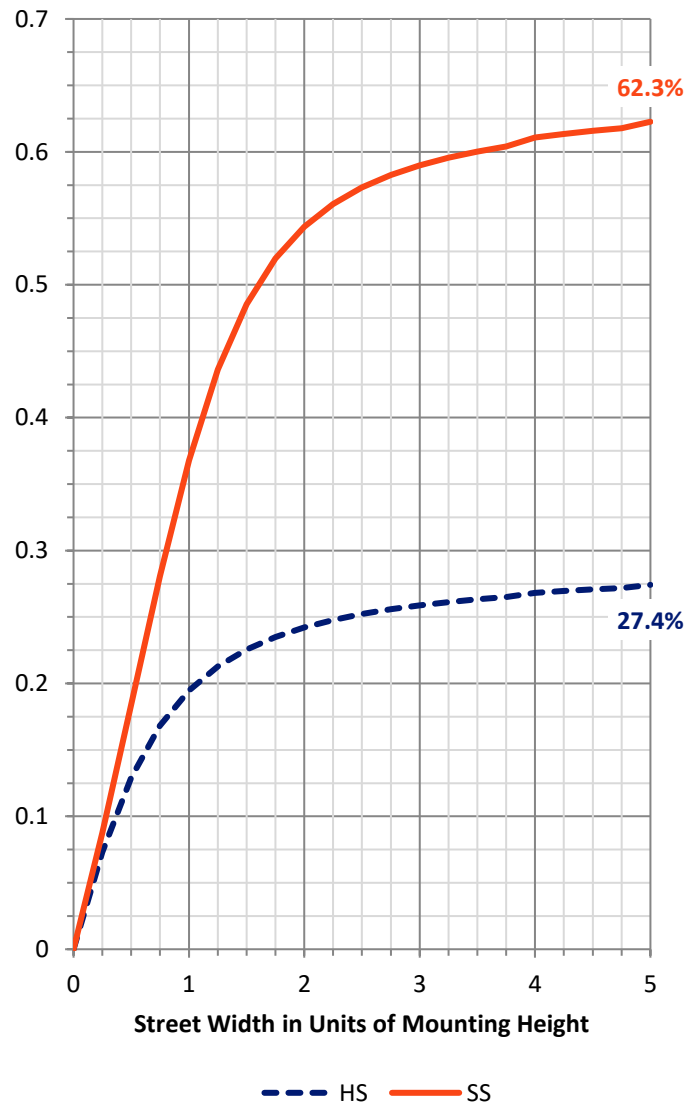
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1109.9	118.0	1227.9
	% Fixture	28.6	3.0	31.6
<b>Street Side</b>	Lumens	2491.1	162.0	2653.1
	% Fixture	64.2	4.2	68.4
<b>Total</b>	Lumens	3600.9	280.0	3881.0
	% Fixture	92.8	7.2	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	16.1	0.4
10°-20°	67.5	1.7
20°-30°	174.8	4.5
30°-40°	357.6	9.2
40°-50°	593.0	15.3
50°-60°	769.3	19.8
60°-70°	757.7	19.5
70°-80°	556.8	14.3
80°-90°	308.1	7.9
90°-100°	145.5	3.7
100°-110°	69.5	1.8
110°-120°	35.5	0.9
120°-130°	18.4	0.5
130°-140°	8.4	0.2
140°-150°	2.5	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3600.9	92.8
0°-180°	3881.0	100.0



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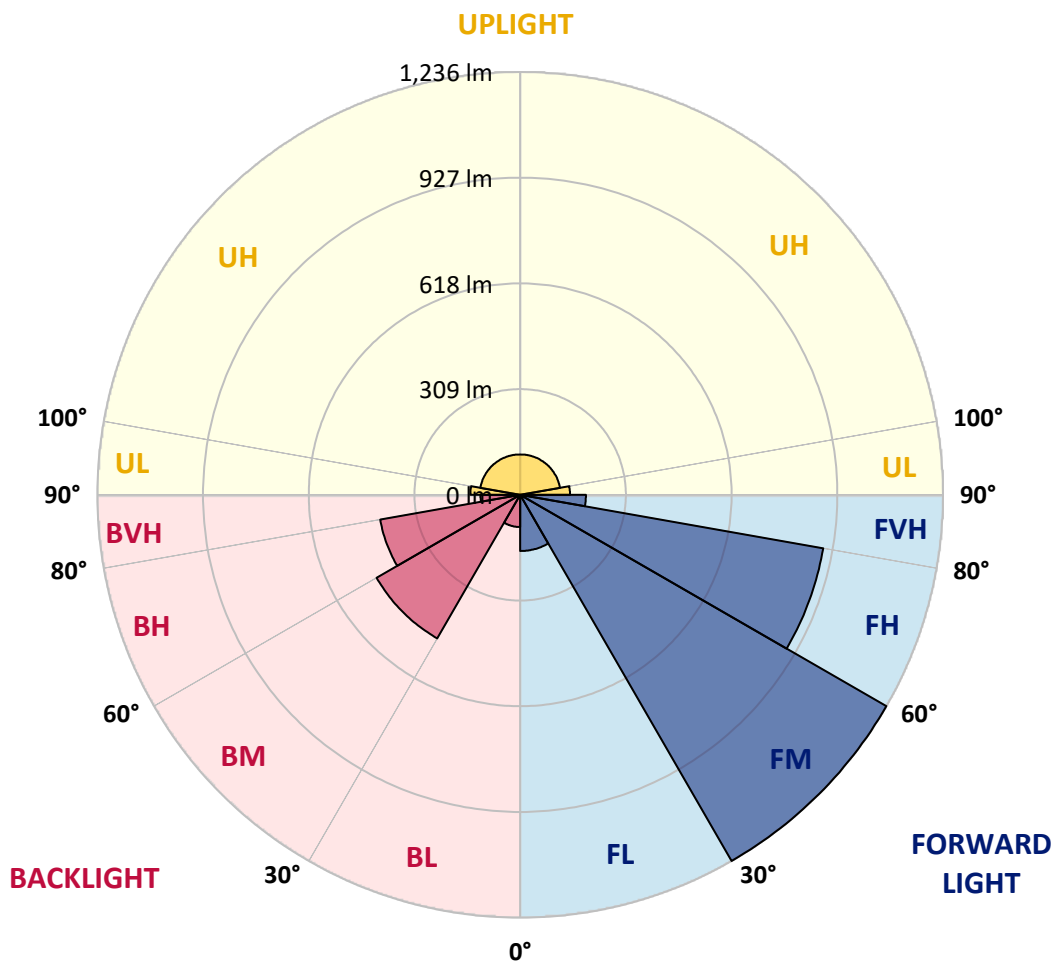
CATALOG NUMBER: LXF.LXT-PA1-40-727-U-T2U-FL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	164.2	4.2			
FM	(30°-60°)	1235.5	31.8			
FH	(60°-80°)	899.3	23.2			G1/1800
FVH	(80°-90°)	192.1	4.9			G2/225
BL	(0°-30°)	94.2	2.4	B0/110		
BM	(30°-60°)	484.5	12.5	B1/1000		
BH	(60°-80°)	415.2	10.7	B1/500		G1/500
BVH	(80°-90°)	116.1	3.0			G2/225
UL	(90°-100°)	145.5	3.7		U3/500	
UH	(100°-180°)	118.0	3.0		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°	75°	77°	85°
0°	152.5	152.5	152.5	152.5	152.5	152.5	152.5	152.5	152.5	152.5	152.5
2.5°	169.9	168.5	167.6	166.2	165.3	163.5	161.6	158.9	156.6	156.1	154.3
5°	187.7	185.4	185.4	183.1	179.9	177.7	174.0	169.4	165.7	163.5	161.6
7.5°	210.6	208.8	206.5	204.7	201.5	197.3	192.3	186.4	179.0	177.7	173.1
10°	236.3	235.3	233.5	229.8	225.7	220.2	213.4	206.0	197.8	196.4	188.6
12.5°	270.1	270.1	267.4	262.4	256.4	246.3	240.4	232.6	223.0	221.6	210.6
15°	311.8	310.0	306.3	297.6	290.7	282.5	275.2	265.1	252.3	250.0	239.9
17.5°	357.6	353.9	352.1	343.9	334.7	324.6	314.6	303.6	289.4	285.7	273.8
20°	408.9	411.2	404.3	395.1	381.4	371.3	359.9	345.7	330.1	327.4	313.2
22.5°	473.4	471.6	462.0	449.2	435.9	424.9	410.2	396.1	375.0	372.2	355.8
25°	544.9	543.0	530.7	514.6	499.5	479.8	462.9	447.8	430.4	426.3	406.6
27.5°	614.9	624.1	605.3	585.6	567.8	545.8	525.6	506.4	486.7	483.5	462.9
30°	710.6	712.9	690.9	663.9	639.6	612.2	591.1	573.7	556.8	546.2	527.5
32.5°	810.4	803.1	785.7	752.7	714.3	683.6	660.2	644.2	628.2	622.7	595.2
35°	909.3	909.3	882.3	837.9	787.5	756.4	733.5	723.9	709.2	700.5	669.9
37.5°	1006.4	1005.0	977.5	925.3	873.6	831.0	816.4	805.4	795.3	786.6	749.1
40°	1102.1	1099.8	1066.8	1016.0	955.6	911.6	899.7	901.5	889.6	877.7	840.2
42.5°	1179.0	1178.1	1152.0	1101.2	1028.8	989.9	978.0	989.0	983.5	972.0	928.1
45°	1240.4	1236.2	1215.6	1163.9	1098.4	1057.2	1060.4	1087.0	1080.6	1075.1	1020.6
47.5°	1266.0	1265.5	1254.1	1209.2	1148.8	1119.9	1138.2	1175.3	1177.6	1173.0	1112.2
50°	1259.1	1261.0	1260.0	1232.6	1183.1	1168.5	1203.7	1266.9	1274.2	1269.7	1206.9
52.5°	1218.8	1219.7	1234.9	1223.0	1195.0	1199.1	1261.9	1342.9	1368.6	1356.2	1290.7
55°	1133.7	1145.1	1174.9	1181.7	1178.1	1206.0	1296.7	1403.4	1442.3	1438.1	1363.5
57.5°	1045.8	1040.3	1082.8	1115.8	1135.0	1187.7	1308.1	1446.4	1505.0	1499.5	1428.5
60°	917.6	925.8	978.0	1025.2	1065.9	1143.7	1297.6	1469.3	1545.7	1542.5	1476.2
62.5°	786.6	798.5	860.3	923.1	981.2	1081.5	1258.2	1460.6	1563.6	1563.1	1501.3
65°	663.4	676.3	733.0	809.0	883.2	997.2	1189.5	1423.5	1548.5	1549.4	1496.8
67.5°	554.0	560.9	620.4	704.2	776.5	898.3	1101.2	1350.2	1500.9	1505.9	1460.1
70°	456.5	461.5	519.2	593.8	677.6	788.0	994.0	1256.4	1421.2	1423.0	1394.2
72.5°	374.5	379.1	434.5	500.9	578.3	691.4	883.7	1128.2	1301.2	1319.6	1292.5
75°	299.4	308.6	356.2	420.8	489.9	590.6	766.9	990.4	1166.6	1182.2	1178.1
77.5°	244.0	256.4	294.4	349.8	413.5	500.9	650.2	854.4	1024.2	1037.1	1040.3
80°	196.9	206.0	244.0	293.0	347.1	423.1	543.5	721.6	880.9	882.3	880.9
82.5°	159.8	166.7	200.5	245.0	292.6	355.8	455.6	602.1	722.5	737.2	739.9
85°	130.0	135.1	164.4	204.2	244.5	298.1	375.9	491.7	587.0	602.1	597.1
87.5°	104.4	111.3	134.6	168.5	206.0	248.6	312.7	397.9	473.9	480.3	479.4
90°	85.6	87.9	111.3	140.1	174.0	206.5	255.5	320.5	377.3	388.7	380.9
92.5°	69.1	72.8	92.5	118.6	145.1	173.5	212.0	263.3	298.5	305.4	301.7
95°	58.1	60.0	77.8	99.4	122.2	147.9	174.9	210.2	236.3	238.5	239.5
97.5°	48.5	50.4	65.0	84.7	104.4	125.0	145.6	171.7	189.1	188.6	187.3
100°	41.7	42.6	55.9	73.7	91.1	106.2	122.2	138.3	148.8	152.0	147.0
102.5°	36.2	36.6	48.1	63.6	78.3	91.6	103.5	114.9	119.0	119.5	117.2
105°	32.1	32.5	42.1	54.9	68.2	78.3	87.5	94.3	96.2	96.2	93.4
107.5°	28.4	28.8	36.2	48.5	60.4	68.7	75.1	78.8	77.8	77.4	75.5
110°	26.1	26.1	32.1	43.0	52.7	60.0	65.0	65.5	63.2	63.2	61.4



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	23.8	23.8	28.4	38.0	46.7	53.1	56.3	55.4	52.2	51.3	51.3
115°	22.0	22.0	25.2	33.4	41.7	46.7	49.0	46.7	43.0	42.6	42.1
117.5°	20.6	20.6	22.9	29.8	36.6	41.2	42.6	40.3	36.2	35.7	35.7
120°	19.2	19.2	21.1	26.1	32.5	36.2	37.1	34.3	30.2	30.2	30.7
122.5°	18.3	18.3	19.2	23.4	28.8	32.1	32.1	29.3	25.6	25.6	26.1
125°	17.4	17.4	17.9	20.6	25.2	27.9	27.5	24.3	22.0	22.0	22.4
127.5°	16.5	16.5	16.5	18.3	22.0	24.3	23.8	20.6	18.8	18.8	19.7
130°	15.6	15.6	15.1	16.0	18.8	20.6	19.7	17.4	16.0	16.0	16.9
132.5°	14.7	14.7	13.7	14.2	16.0	16.9	16.0	14.2	13.7	13.7	14.2
135°	13.7	13.3	12.8	12.4	13.3	13.7	12.8	11.4	11.4	11.4	12.4
137.5°	12.4	12.4	11.4	10.5	10.5	10.5	10.1	8.7	9.2	9.6	10.1
140°	11.4	11.4	10.5	9.2	8.2	8.2	7.3	6.9	7.3	7.8	8.2
142.5°	10.1	10.1	9.2	7.8	6.4	5.5	5.0	4.6	5.5	6.0	6.0
145°	8.7	8.7	7.8	6.0	4.6	3.2	2.7	3.2	3.7	4.1	4.6
147.5°	7.3	6.9	6.0	4.6	2.3	1.4	0.9	1.8	2.3	2.3	2.7
150°	5.5	5.5	4.6	3.2	1.4	0.0	0.5	0.9	1.4	1.4	1.8
152.5°	4.1	3.7	3.2	1.8	0.0	0.0	0.0	0.0	0.5	0.9	0.9
155°	2.3	2.3	1.8	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.4	1.4	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.5	0.5	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°	152.5	152.5	152.5	152.5	152.5	152.5	152.5	152.5	152.5	152.5	152.5
2.5°	153.4	152.0	150.2	148.8	147.4	145.6	144.7	143.3	143.3	143.3	144.2
5°	158.9	157.0	152.9	149.3	145.6	142.9	140.1	138.3	137.4	136.4	136.9
7.5°	169.0	166.7	160.3	153.8	148.8	143.8	140.1	136.9	135.5	135.1	135.1
10°	184.5	180.4	170.8	162.1	154.8	147.9	142.9	138.7	136.9	135.5	135.5
12.5°	205.6	199.6	188.2	176.3	165.3	156.1	148.8	145.6	144.2	143.3	143.8
15°	233.5	227.1	209.7	194.1	179.9	167.6	160.7	157.5	155.7	154.8	154.3
17.5°	266.0	256.9	235.8	215.7	197.8	184.1	175.4	170.3	167.1	165.3	165.7
20°	301.7	289.8	262.8	240.8	217.9	204.2	190.9	182.7	178.6	177.7	178.1
22.5°	342.0	329.7	298.5	266.5	242.7	222.1	206.0	195.5	190.5	190.0	190.0
25°	389.6	373.2	336.5	296.2	265.6	239.5	220.7	207.9	202.4	200.5	200.5
27.5°	443.7	421.7	376.4	330.1	288.0	255.0	233.1	218.4	212.4	211.1	211.1
30°	503.2	480.3	422.6	362.2	309.5	268.8	244.0	228.5	220.7	218.9	219.3
32.5°	568.7	538.9	466.1	396.5	328.3	279.8	251.4	235.8	227.1	224.8	224.8
35°	639.6	604.8	517.8	429.9	346.1	288.5	256.9	240.8	231.2	228.9	228.5
37.5°	719.3	675.8	571.4	460.6	360.3	293.9	260.5	244.0	233.5	230.3	229.8
40°	802.6	752.7	620.9	488.5	372.2	297.2	261.4	245.4	234.4	229.4	228.9
42.5°	880.5	825.5	677.2	514.2	379.6	298.5	261.0	245.0	233.5	226.6	226.2
45°	966.6	899.2	728.9	537.5	384.1	297.6	259.2	242.7	231.7	223.0	222.1
47.5°	1056.7	979.4	776.5	554.5	386.0	294.9	256.9	240.8	228.5	218.9	217.9
50°	1138.2	1048.0	820.9	567.8	385.1	290.7	253.2	238.1	225.7	214.7	213.8
52.5°	1217.9	1119.9	855.7	575.1	380.5	286.2	250.0	234.9	222.5	211.1	209.7
55°	1290.3	1176.7	886.9	578.3	374.5	280.2	245.4	232.1	219.8	207.4	206.0
57.5°	1346.1	1230.3	909.8	574.2	365.4	273.3	240.8	228.0	216.6	204.2	202.8
60°	1387.3	1265.5	920.3	566.4	354.8	265.6	235.3	223.9	213.4	201.5	200.1
62.5°	1412.1	1285.2	918.0	552.6	341.6	257.8	230.3	219.8	210.2	198.3	197.3
65°	1407.9	1277.4	900.6	530.7	327.4	247.7	222.5	214.3	205.6	194.6	193.2
67.5°	1374.5	1245.8	865.4	503.2	311.3	237.6	215.2	207.0	199.6	190.0	187.3
70°	1315.0	1187.7	814.5	468.9	293.0	226.2	206.5	198.7	192.3	183.1	180.4
72.5°	1214.7	1103.0	750.0	433.1	273.3	212.9	195.0	188.6	181.8	174.4	171.2
75°	1100.2	996.8	674.0	391.0	252.3	199.6	183.1	176.7	170.3	162.5	159.8
77.5°	975.7	876.4	595.2	353.9	230.8	184.5	169.9	164.4	158.0	149.7	146.5
80°	826.9	747.7	511.4	311.3	209.2	169.9	156.1	150.2	143.3	135.5	132.3
82.5°	692.7	622.7	434.1	272.9	187.7	154.8	142.9	134.2	127.7	120.0	114.5
85°	566.4	517.4	364.0	234.4	167.6	139.2	127.3	120.0	112.6	103.5	99.8
87.5°	455.6	413.9	299.0	202.4	147.9	124.1	113.1	105.8	97.5	87.9	84.7
90°	360.3	334.7	248.6	174.0	130.9	111.3	100.3	92.5	83.3	74.6	72.8
92.5°	285.7	267.9	205.6	147.9	115.4	98.4	88.4	80.6	71.4	62.7	60.0
95°	229.8	212.4	168.5	129.1	101.2	86.5	77.8	70.5	61.4	52.7	50.8
97.5°	183.6	169.9	138.3	108.5	88.8	76.9	69.1	61.4	52.2	44.4	43.5
100°	143.8	135.5	114.5	93.4	78.3	68.2	60.9	54.0	44.9	37.1	36.6
102.5°	114.9	110.3	95.2	80.6	68.7	60.4	54.5	47.2	38.9	31.6	31.1
105°	92.5	89.7	79.2	69.1	60.9	54.0	48.5	41.2	33.0	27.0	27.0
107.5°	75.1	72.8	66.4	59.1	53.6	48.5	42.6	36.2	28.4	23.4	23.4
110°	61.4	60.4	56.3	51.3	47.2	43.0	37.5	31.1	24.3	20.6	20.6



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	51.3	50.8	47.6	44.9	41.7	38.0	33.4	27.5	21.1	17.9	18.3
115°	42.6	42.6	40.7	38.9	36.6	33.9	29.3	23.4	17.9	16.0	16.0
117.5°	36.2	35.7	35.3	33.9	32.5	29.8	25.2	20.1	15.1	14.2	14.7
120°	31.1	31.1	30.2	29.8	28.4	25.6	22.0	16.9	12.8	12.8	12.8
122.5°	26.6	27.0	26.1	25.6	24.7	22.9	18.8	14.2	11.4	11.0	11.4
125°	23.4	23.4	22.9	22.4	21.5	19.2	16.0	11.9	9.6	10.1	10.1
127.5°	19.7	20.1	19.7	19.2	18.8	16.5	13.3	9.6	8.2	8.7	8.7
130°	17.4	17.4	16.9	16.5	15.6	13.7	11.0	7.8	7.3	7.8	7.8
132.5°	14.7	14.7	14.7	13.7	12.8	11.4	8.7	6.4	6.0	6.9	6.9
135°	12.4	12.4	12.4	11.4	10.5	8.7	6.4	5.0	5.0	6.0	6.0
137.5°	10.1	10.5	10.1	9.2	8.2	6.9	5.0	3.7	4.1	5.0	5.0
140°	8.2	8.2	7.8	7.3	6.0	4.6	3.2	2.7	3.7	4.1	4.1
142.5°	6.4	6.4	6.0	5.0	4.1	3.2	1.8	1.8	2.7	3.2	3.2
145°	4.6	4.6	4.1	3.2	2.3	1.4	0.5	0.9	1.8	2.3	2.3
147.5°	2.7	2.7	2.7	2.3	1.4	0.5	0.0	0.5	0.9	1.4	1.4
150°	1.8	1.8	1.8	1.4	0.9	0.0	0.0	0.0	0.5	0.9	0.9
152.5°	0.9	0.9	0.9	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.5	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)