

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: P414986

Luminaire Tested: **LXF.LXT-PA1-40-727-U-T2R-FL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414986  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-5)  
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-T2R-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND FROSTED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3774 lumens  
Efficiency: N/A  
Efficacy: 94.3 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

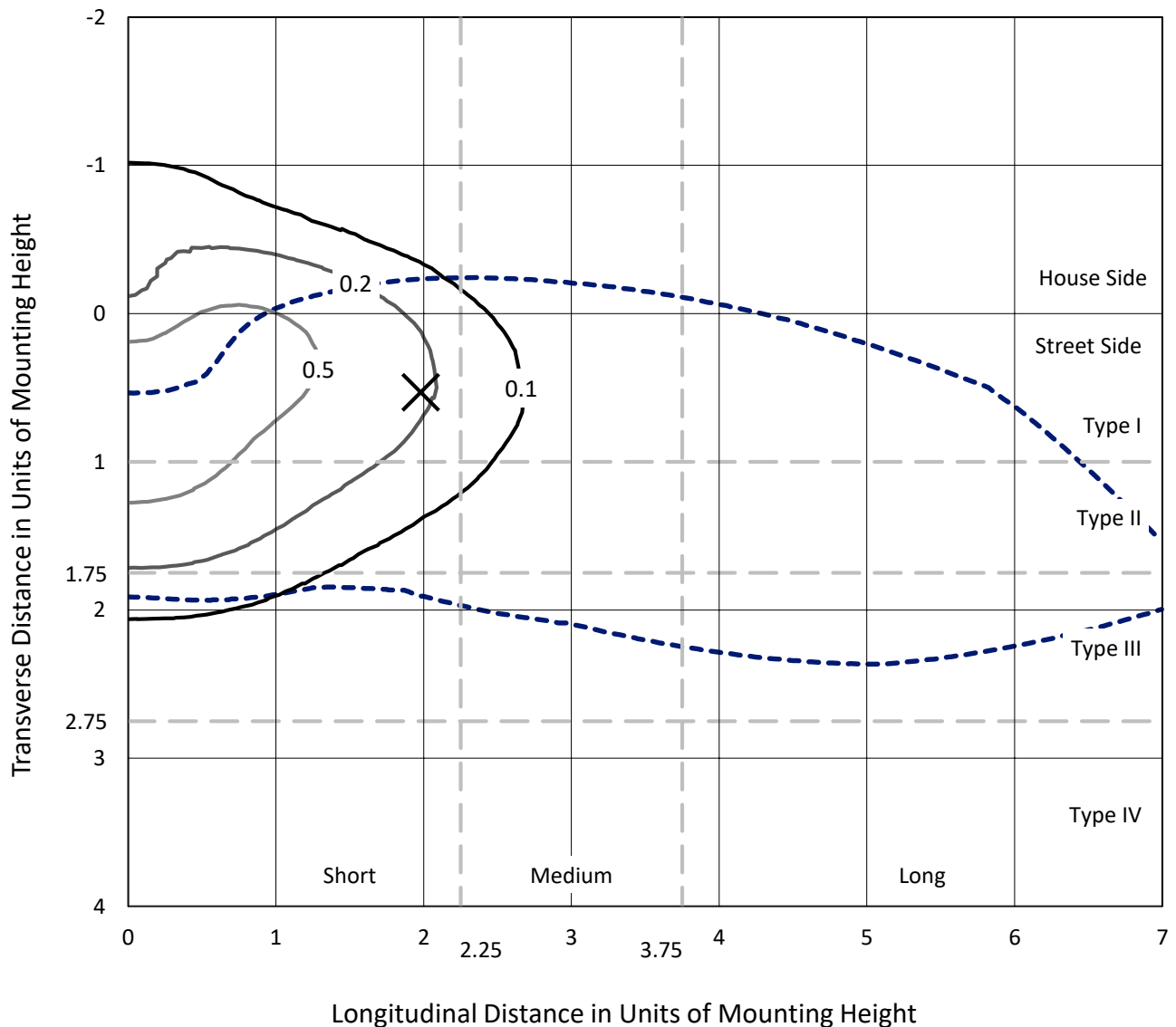
Input Watts (W): 40  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

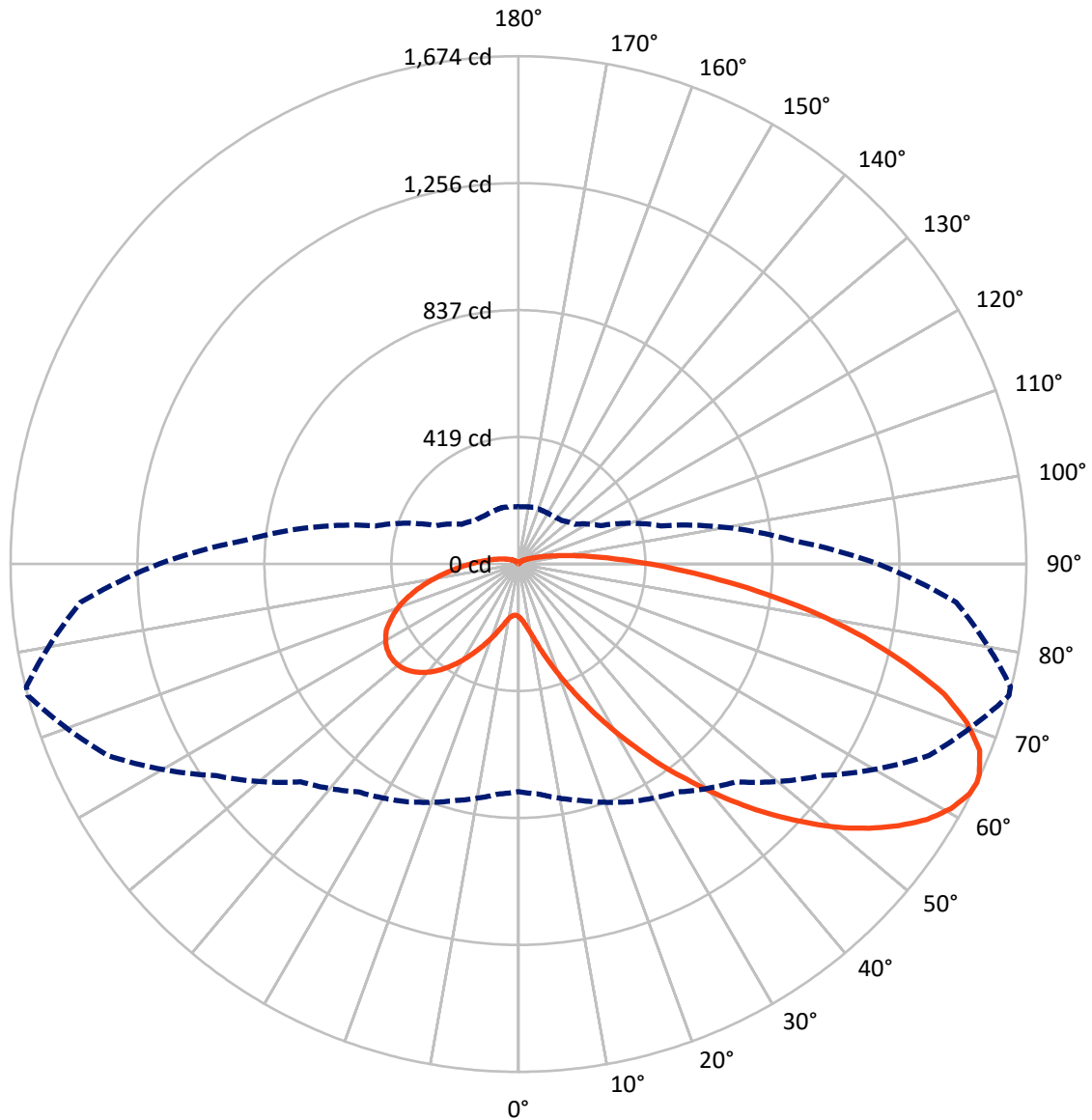


Based on 25 foot mounting height. Maximum calculated value = 1 fc  
 Type III - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral      - - - Horizontal Cone Through 64-Deg Vertical

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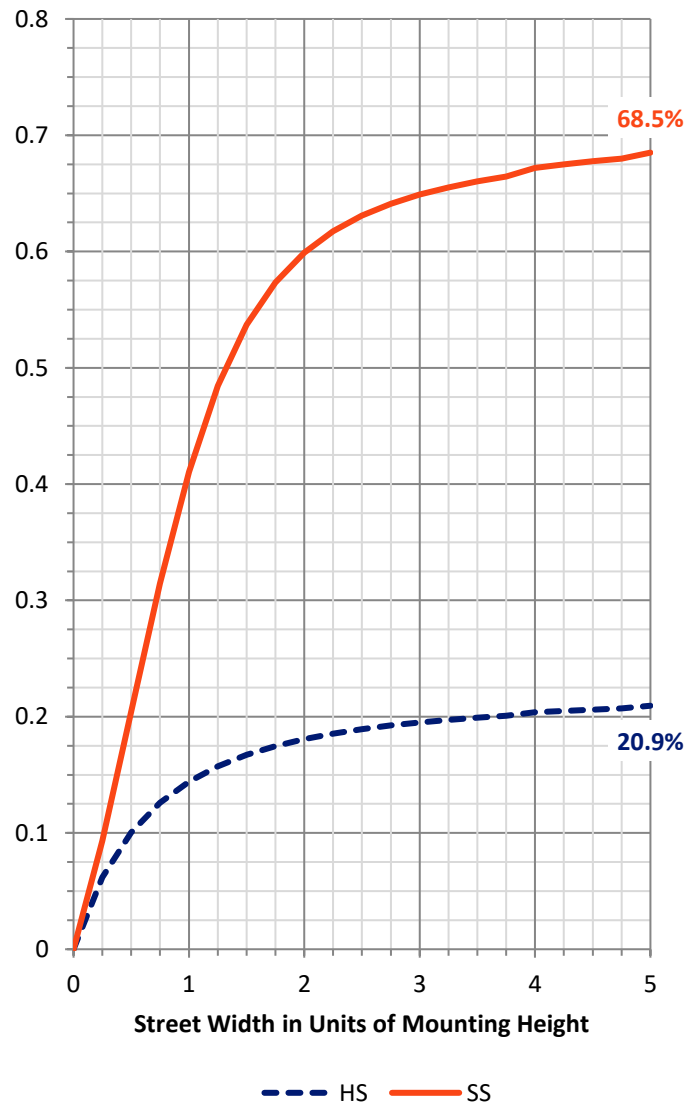
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	832.4	109.6	942.0
	% Fixture	22.1	2.9	25.0
<b>Street Side</b>	Lumens	2665.2	166.8	2832.0
	% Fixture	70.6	4.4	75.0
<b>Total</b>	Lumens	3497.6	276.4	3774.0
	% Fixture	92.7	7.3	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	18.3	0.5
10°-20°	76.1	2.0
20°-30°	192.7	5.1
30°-40°	377.4	10.0
40°-50°	587.1	15.6
50°-60°	720.0	19.1
60°-70°	700.0	18.5
70°-80°	527.9	14.0
80°-90°	298.1	7.9
90°-100°	140.6	3.7
100°-110°	67.9	1.8
110°-120°	35.6	0.9
120°-130°	19.2	0.5
130°-140°	9.4	0.2
140°-150°	3.2	0.1
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3497.6	92.7
0°-180°	3774.0	100.0



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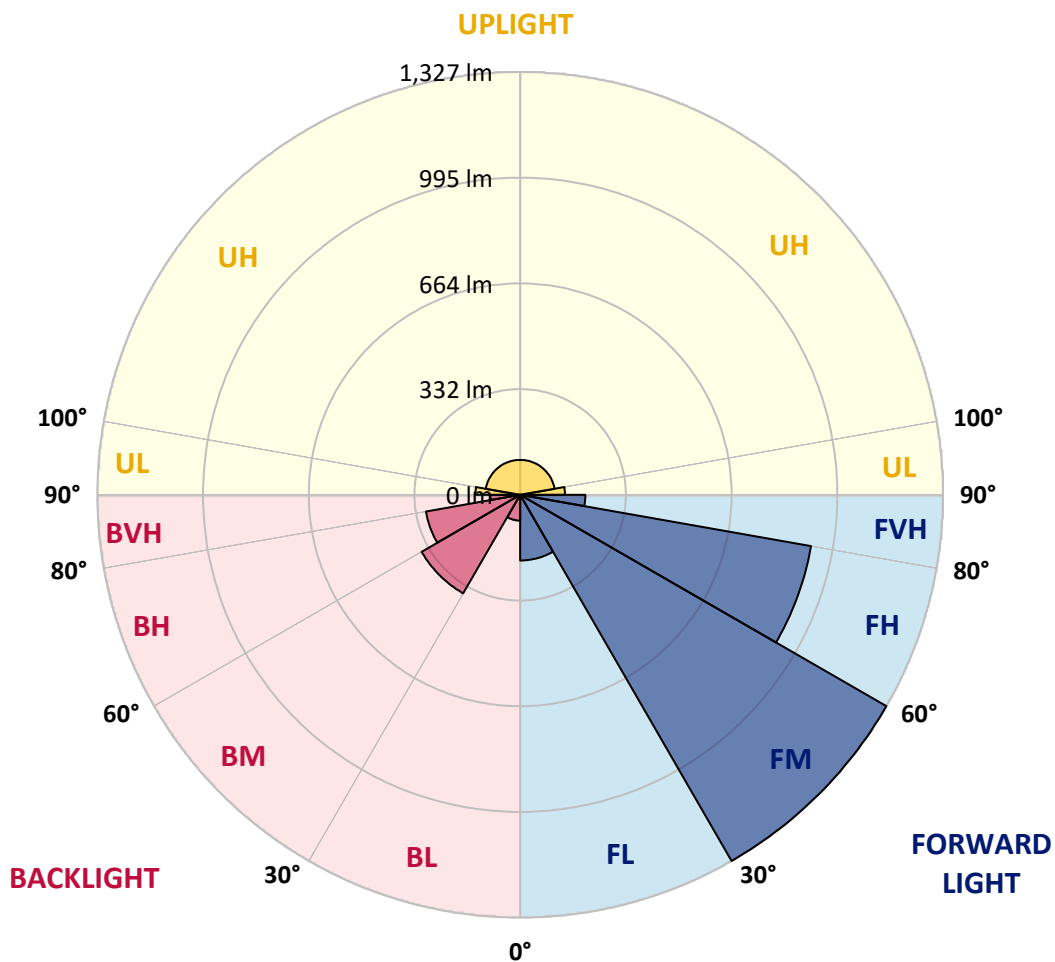
CATALOG NUMBER: LXF.LXT-PA1-40-727-U-T2R-FL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	206.2	5.5			
FM	(30°-60°)	1327.3	35.2			
FH	(60°-80°)	927.3	24.6			G1/1800
FVH	(80°-90°)	204.4	5.4			G2/225
BL	(0°-30°)	81.0	2.1	B0/110		
BM	(30°-60°)	357.2	9.5	B1/1000		
BH	(60°-80°)	300.5	8.0	B1/500		G1/500
BVH	(80°-90°)	93.6	2.5			G1/100
UL	(90°-100°)	140.6	3.7		U3/500	
UH	(100°-180°)	109.6	2.9		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°	76°	85°
0°	174.0	174.0	174.0	174.0	174.0	174.0	174.0	174.0	174.0	174.0	174.0
2.5°	202.9	201.0	200.1	199.6	196.4	193.2	189.6	185.9	181.8	180.9	177.2
5°	234.4	232.2	231.2	228.5	223.9	218.4	210.6	203.3	194.2	194.6	186.4
7.5°	270.6	268.8	266.0	261.9	255.1	247.7	236.3	225.3	212.9	211.6	199.6
10°	311.8	310.5	307.7	301.3	292.6	280.2	268.8	252.3	234.9	234.0	216.6
12.5°	361.3	359.5	351.7	345.3	333.8	322.4	305.0	285.3	266.5	264.2	242.7
15°	417.2	414.4	408.9	398.8	386.5	367.7	349.4	329.7	305.0	300.8	275.7
17.5°	474.4	474.4	467.5	455.6	438.7	422.2	402.0	377.3	346.2	345.7	312.3
20°	546.3	545.4	534.8	517.4	500.5	483.1	458.8	430.9	396.1	392.9	352.1
22.5°	624.1	623.2	610.4	591.6	569.6	544.9	517.9	488.6	450.6	446.5	398.8
25°	708.4	707.9	694.6	665.8	637.9	614.5	586.6	554.1	510.1	509.2	452.0
27.5°	811.0	805.9	785.3	750.1	714.8	684.6	652.1	622.8	578.8	571.9	508.3
30°	909.9	907.1	879.2	841.2	792.6	752.8	719.8	697.4	652.1	645.6	574.2
32.5°	1012.0	1010.1	976.3	932.3	872.3	822.9	797.2	772.9	729.4	726.7	639.2
35°	1125.1	1117.8	1078.8	1018.4	948.8	893.4	870.5	859.5	816.4	806.4	710.7
37.5°	1217.6	1212.1	1176.8	1103.1	1021.1	961.6	944.2	936.9	899.8	895.7	788.1
40°	1306.9	1302.7	1259.7	1180.0	1086.6	1027.1	1009.7	1022.0	992.3	985.9	865.9
42.5°	1371.4	1365.9	1326.1	1241.4	1143.4	1080.7	1080.2	1108.6	1087.1	1080.2	946.5
45°	1409.9	1404.4	1371.4	1289.9	1187.8	1127.4	1137.9	1187.8	1181.4	1173.2	1020.2
47.5°	1413.6	1410.4	1386.5	1311.0	1214.8	1164.0	1194.2	1265.7	1272.5	1264.7	1099.0
50°	1380.1	1383.3	1368.2	1308.2	1224.4	1187.8	1240.0	1339.4	1364.6	1355.4	1177.3
52.5°	1316.9	1313.3	1319.7	1277.1	1214.4	1196.1	1271.2	1401.2	1447.4	1438.3	1249.6
55°	1211.6	1214.4	1236.8	1220.8	1182.8	1186.4	1289.9	1450.2	1522.5	1515.2	1315.1
57.5°	1100.8	1094.4	1134.7	1137.4	1126.9	1160.8	1292.2	1487.3	1588.9	1581.2	1371.4
60°	955.7	971.2	1007.4	1038.5	1056.9	1118.2	1277.1	1506.5	1637.5	1635.2	1416.8
62.5°	830.2	833.4	882.4	929.6	973.5	1058.2	1243.7	1506.1	1669.1	1666.3	1443.8
64°	750.5	761.0	807.3	864.5	917.2	1015.2	1216.2	1493.2	1674.1	1671.8	1448.4
65°	707.0	705.6	761.0	818.7	875.5	982.7	1188.3	1479.5	1669.5	1669.5	1446.5
67.5°	587.5	592.1	640.6	707.0	777.1	896.6	1116.8	1430.5	1639.3	1642.5	1420.0
70°	484.5	491.3	544.5	603.5	680.9	810.0	1028.5	1342.1	1568.3	1572.9	1362.7
72.5°	399.8	407.5	446.5	506.0	591.6	718.9	928.6	1231.3	1468.1	1469.9	1267.0
75°	325.1	333.8	373.2	424.9	499.1	620.9	819.7	1110.9	1322.0	1331.1	1143.4
77.5°	264.7	273.8	310.0	356.7	427.2	531.2	711.6	971.7	1166.7	1172.2	1001.9
80°	213.8	223.5	255.5	299.5	360.8	452.4	610.4	829.3	999.2	999.2	856.3
82.5°	173.5	181.8	210.6	248.6	304.5	381.9	512.9	689.2	826.1	826.5	707.5
85°	140.1	145.2	173.5	207.0	253.2	320.1	424.0	560.9	666.3	656.6	570.1
87.5°	112.6	117.2	141.0	173.5	210.2	267.0	348.0	456.5	523.8	527.1	455.2
90°	90.7	93.4	115.4	142.9	176.8	220.7	283.0	363.1	412.1	408.0	356.7
92.5°	73.7	76.9	95.7	120.4	148.8	185.5	233.1	287.6	319.2	320.1	278.9
95°	60.4	62.3	79.7	101.7	127.3	155.2	190.0	229.0	250.5	247.7	217.0
97.5°	50.4	51.3	67.3	87.0	108.1	131.0	158.4	182.2	194.2	192.3	169.9
100°	42.6	43.5	57.2	75.6	93.4	111.7	131.0	147.0	151.1	148.8	133.7
102.5°	37.1	37.5	49.0	65.5	80.6	95.7	109.0	119.1	118.6	118.6	105.8
105°	32.5	33.0	42.6	57.2	71.0	82.9	92.0	97.1	95.2	94.3	84.7
107.5°	29.3	29.8	37.5	50.4	62.7	71.9	78.8	80.1	76.5	75.6	68.7



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
110°	26.6	26.6	33.0	44.4	55.4	62.7	67.3	67.3	61.8	61.4	56.8
112.5°	24.3	24.7	29.8	39.4	49.0	55.4	58.2	55.9	50.8	50.4	48.1
115°	22.4	22.9	26.6	35.3	43.5	49.0	50.4	47.2	42.1	41.7	39.8
117.5°	21.1	21.5	24.3	31.1	38.9	43.0	43.5	40.3	35.3	34.8	34.3
120°	20.1	20.1	22.4	27.9	34.3	38.0	37.5	34.3	30.2	29.8	29.8
122.5°	19.2	19.2	20.6	24.7	30.2	33.4	33.0	29.3	25.6	25.6	25.6
125°	18.3	18.3	19.2	22.4	27.0	29.3	28.4	25.2	22.0	22.0	22.9
127.5°	17.4	17.4	17.9	19.7	23.8	25.2	24.3	21.1	19.2	19.2	19.7
130°	16.5	16.5	16.5	17.9	20.6	21.5	20.6	17.9	16.5	16.5	17.4
132.5°	15.6	15.6	15.6	15.6	17.4	18.3	16.9	14.7	14.2	14.7	15.1
135°	14.7	14.7	14.2	13.7	14.7	15.1	13.7	12.4	12.4	12.4	13.3
137.5°	13.7	13.3	12.8	12.4	11.9	11.9	11.0	9.6	10.5	10.5	11.4
140°	12.4	11.9	11.4	10.5	9.6	9.2	8.2	7.8	8.7	8.7	9.2
142.5°	11.0	10.5	10.1	8.7	7.3	6.4	5.5	6.0	6.9	6.9	7.3
145°	9.2	9.2	8.2	6.9	5.5	4.6	3.7	4.1	5.0	5.0	5.5
147.5°	7.8	7.3	6.9	5.5	3.7	2.7	1.8	2.7	3.7	3.7	4.1
150°	6.0	5.5	5.0	3.7	2.3	0.9	0.9	1.8	2.3	2.3	2.7
152.5°	4.1	4.1	3.7	2.3	0.9	0.0	0.5	0.9	1.4	1.4	1.8
155°	2.7	2.3	1.8	1.4	0.5	0.0	0.0	0.5	0.9	0.9	0.9
157.5°	1.4	1.4	0.9	0.9	0.0	0.0	0.0	0.0	0.5	0.5	0.5
160°	0.5	0.5	0.5	0.5	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°	174.0	174.0	174.0	174.0	174.0	174.0	174.0	174.0	174.0	174.0	174.0
2.5°	174.9	173.1	169.0	165.3	161.6	158.4	156.6	154.3	153.9	153.4	153.4
5°	181.3	177.2	169.0	161.2	153.9	147.9	143.3	138.7	136.5	135.5	135.1
7.5°	192.3	185.9	172.6	160.7	149.7	140.6	133.3	127.8	124.6	122.7	122.3
10°	207.4	198.3	180.0	163.5	148.8	136.9	127.8	121.3	117.2	115.4	114.9
12.5°	231.2	216.6	193.7	170.3	151.1	136.5	125.9	119.1	117.2	115.4	115.4
15°	258.3	243.6	212.0	183.2	158.4	139.2	130.0	125.5	122.7	121.3	120.9
17.5°	293.1	270.6	232.6	196.9	167.6	149.3	137.4	132.3	129.6	128.2	127.8
20°	328.8	302.2	255.5	212.0	180.0	161.2	147.0	139.2	136.5	135.1	134.6
22.5°	371.4	339.3	279.3	228.0	194.2	172.2	156.1	147.0	143.8	142.4	142.9
25°	414.9	380.5	305.0	245.0	207.4	181.3	164.8	154.3	152.0	150.2	150.2
27.5°	468.0	422.2	331.1	264.2	218.9	189.6	172.6	162.1	158.0	158.0	157.5
30°	523.8	466.6	359.5	280.7	229.0	196.9	178.6	169.0	164.8	164.4	164.4
32.5°	578.3	514.2	387.4	297.2	236.7	201.9	184.1	174.9	169.9	169.4	169.9
35°	642.0	562.8	413.5	310.5	243.6	206.1	188.2	180.0	174.5	174.0	174.0
37.5°	702.4	612.7	438.7	321.0	248.2	208.8	191.4	184.1	178.1	177.7	177.2
40°	765.6	659.8	461.6	329.7	250.5	210.6	193.2	186.8	181.3	179.5	179.5
42.5°	829.7	707.5	480.8	334.7	251.8	211.1	194.6	188.7	183.6	180.4	180.4
45°	889.7	748.2	496.8	337.5	251.8	211.6	195.5	190.0	185.5	181.3	180.9
47.5°	955.7	789.4	509.2	337.9	250.5	210.6	196.0	191.4	186.4	181.8	181.3
50°	1013.3	828.4	517.0	336.6	248.6	210.2	196.4	191.9	187.7	182.2	182.2
52.5°	1064.2	859.5	520.6	332.9	246.4	209.3	196.4	192.8	189.1	183.2	182.7
55°	1109.1	883.8	520.2	327.4	242.7	207.9	196.0	192.8	190.0	183.6	183.6
57.5°	1147.5	900.7	516.1	321.0	239.0	207.0	196.0	193.2	190.9	185.0	185.0
60°	1173.6	910.3	507.8	313.2	235.4	205.1	195.5	193.7	192.3	186.4	186.8
62.5°	1186.0	908.9	495.0	305.0	231.2	203.3	194.6	193.2	192.8	188.2	188.2
64°	1185.1	902.5	486.3	299.0	228.5	202.4	194.2	192.8	193.2	189.1	189.1
65°	1179.1	893.4	477.1	294.4	226.2	201.5	193.2	192.3	193.2	189.1	189.1
67.5°	1150.3	865.0	453.8	283.0	220.3	197.4	190.5	190.0	191.4	188.7	188.2
70°	1093.0	820.1	428.6	268.3	212.9	192.8	186.4	185.9	187.7	185.5	184.5
72.5°	1015.2	757.8	397.9	253.2	204.2	186.4	180.9	180.4	181.3	180.0	178.6
75°	917.2	684.6	363.6	236.3	194.6	178.1	173.1	172.2	173.5	171.7	170.8
77.5°	808.2	603.5	327.4	218.4	182.2	169.0	163.9	162.6	162.6	160.3	158.0
80°	688.2	520.6	291.2	200.1	169.4	157.5	153.4	151.6	150.2	146.5	144.2
82.5°	574.7	442.8	254.1	181.3	155.7	145.2	141.0	138.7	135.5	131.0	127.8
85°	467.5	368.6	220.3	161.2	142.0	131.9	128.7	124.6	120.4	115.4	111.3
87.5°	375.5	301.8	190.0	143.3	126.4	118.6	114.9	109.4	105.3	99.8	96.2
90°	298.1	247.3	162.6	125.9	112.6	105.8	102.6	97.1	91.1	85.2	82.0
92.5°	240.4	201.5	140.1	111.3	100.7	94.8	90.7	85.2	78.3	72.3	70.1
95°	190.9	163.0	119.5	98.5	89.3	83.8	79.7	74.6	67.3	60.4	58.6
97.5°	151.1	134.2	102.1	86.5	79.2	74.6	70.1	65.5	58.2	51.3	50.4
100°	121.3	109.0	87.5	76.5	70.1	65.9	62.3	57.2	50.4	43.0	43.0
102.5°	98.0	90.2	75.1	67.3	62.3	58.6	54.9	50.4	43.5	37.1	36.6
105°	80.1	74.6	64.6	59.5	55.4	52.7	49.0	44.0	37.5	31.6	31.1
107.5°	66.9	61.8	55.9	52.7	49.5	46.7	44.0	38.9	32.5	27.5	27.5



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	54.9	53.1	48.5	46.2	44.4	41.7	38.9	33.9	27.9	24.3	24.3
112.5°	46.7	44.9	42.6	41.2	39.4	37.5	34.3	29.8	24.3	21.5	21.5
115°	39.4	38.5	37.1	36.2	35.3	33.4	30.2	25.6	20.6	18.8	19.2
117.5°	34.3	33.9	33.0	32.5	31.6	29.3	26.6	22.4	17.9	16.9	16.9
120°	29.8	29.8	28.8	28.8	27.9	26.1	22.9	19.2	15.6	15.1	15.1
122.5°	26.1	26.1	25.6	25.6	24.7	22.9	20.1	16.5	13.3	13.3	13.7
125°	22.9	22.9	22.4	22.4	22.0	20.1	17.4	14.2	11.9	11.9	11.9
127.5°	20.1	20.1	20.1	19.7	18.8	17.4	14.7	11.9	10.5	10.5	10.5
130°	17.9	17.9	17.4	17.4	16.5	14.7	12.4	10.1	8.7	9.6	9.6
132.5°	15.6	15.6	15.6	14.7	13.7	12.4	10.1	8.2	7.8	8.2	8.2
135°	13.3	13.7	13.3	12.8	11.9	10.1	8.2	6.9	6.9	7.3	7.3
137.5°	11.4	11.4	11.4	10.5	9.6	8.2	6.4	5.5	6.0	6.4	6.4
140°	9.6	9.6	9.2	8.7	7.8	6.4	5.0	4.1	5.0	5.5	5.5
142.5°	7.8	7.8	7.3	6.9	5.5	4.6	3.2	3.2	4.1	4.6	4.6
145°	6.0	6.0	5.5	5.0	4.1	2.7	2.3	2.7	3.7	3.7	3.7
147.5°	4.1	4.1	4.1	3.2	2.3	1.4	0.9	1.8	2.7	2.7	3.2
150°	2.7	2.7	2.7	2.3	1.4	0.5	0.5	1.4	1.8	2.3	2.3
152.5°	1.8	1.8	1.8	1.4	0.9	0.0	0.0	0.9	1.4	1.4	1.4
155°	0.9	0.9	0.9	0.9	0.5	0.0	0.0	0.5	0.9	0.9	0.9
157.5°	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.5	0.9	0.5	0.5
160°	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5	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)