

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: P414595

Luminaire Tested: **LXF.LXT-PA1-30-727-U-T4W-A**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414595  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-30-727-U-T4W-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3072 lumens  
Efficiency: N/A  
Efficacy: 99.1 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B1 - U3 - G2

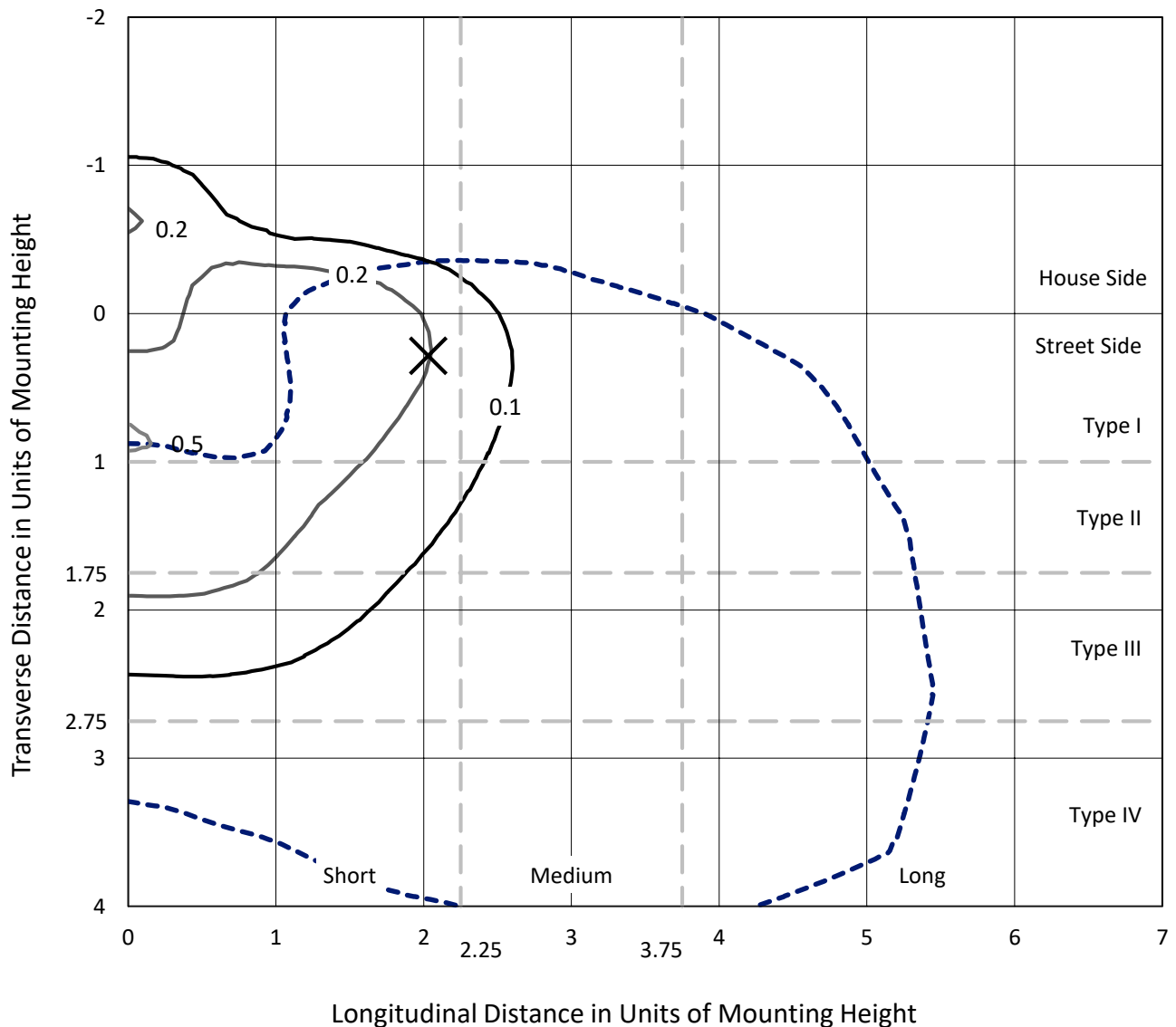
Input Watts (W): 31  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

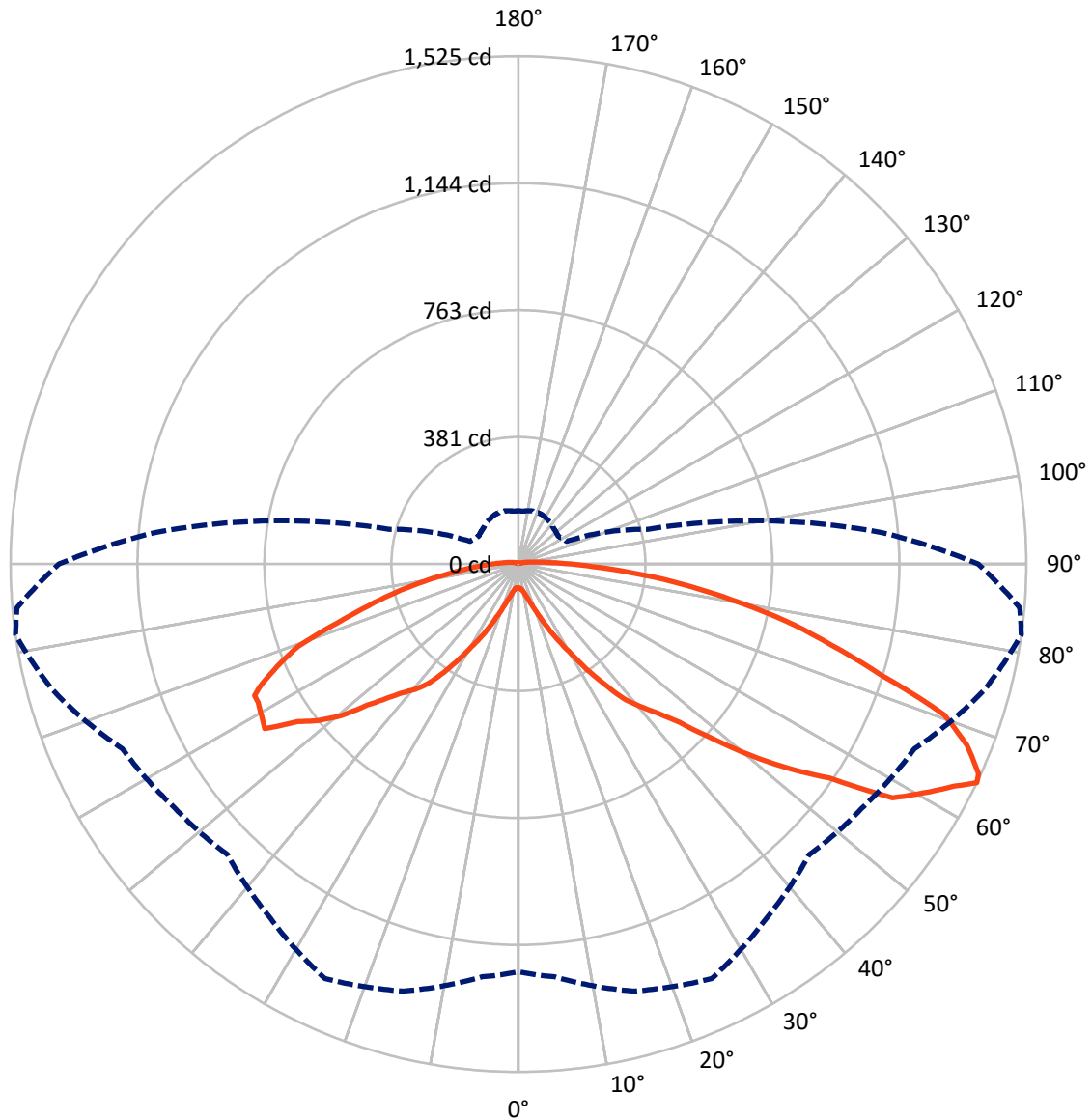


Based on 25 foot mounting height. Maximum calculated value = 0.5 fc  
 Type IV - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral      - - - Horizontal Cone Through 64-Deg Vertical



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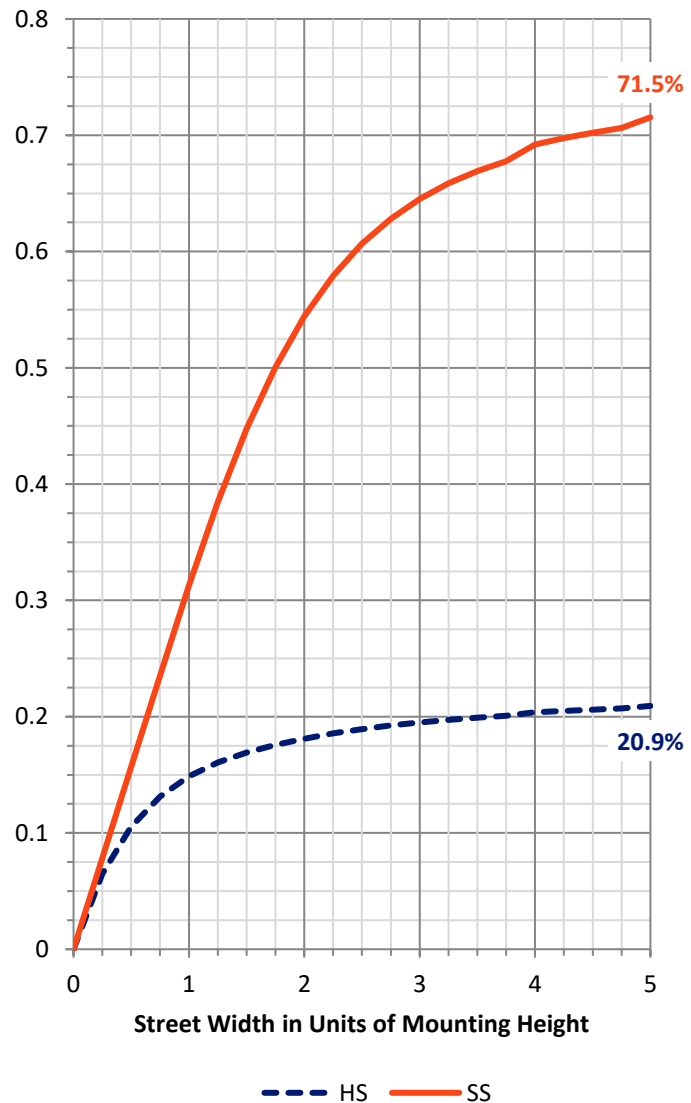
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	675.3	50.6	725.9
	% Fixture	22.0	1.6	23.6
<b>Street Side</b>	Lumens	2279.8	66.3	2346.1
	% Fixture	74.2	2.2	76.4
<b>Total</b>	Lumens	2955.1	116.9	3072.0
	% Fixture	96.2	3.8	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7.4	0.2
10°-20°	31.6	1.0
20°-30°	91.1	3.0
30°-40°	209.1	6.8
40°-50°	367.2	12.0
50°-60°	589.8	19.2
60°-70°	791.7	25.8
70°-80°	605.3	19.7
80°-90°	262.2	8.5
90°-100°	73.6	2.4
100°-110°	22.4	0.7
110°-120°	9.8	0.3
120°-130°	5.6	0.2
130°-140°	3.4	0.1
140°-150°	1.5	0.0
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2955.1	96.2
0°-180°	3072.0	100.0



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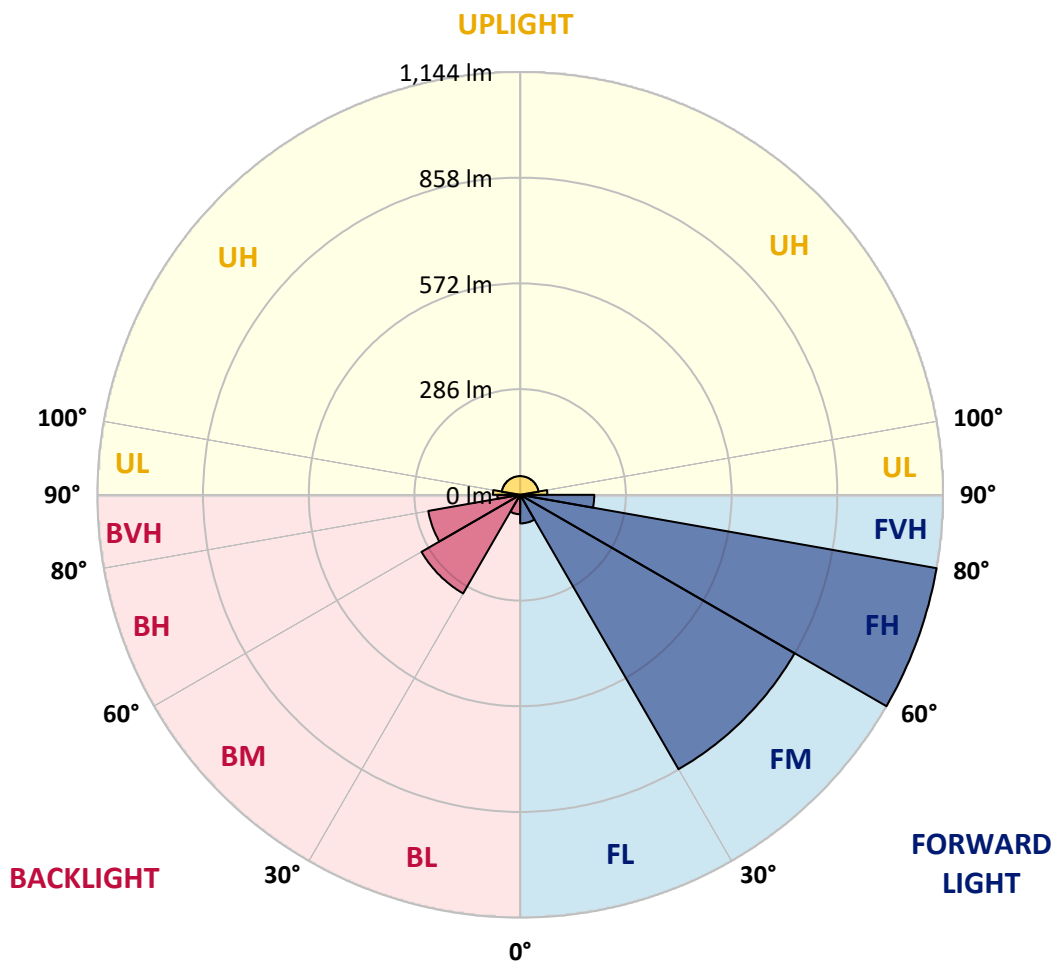
CATALOG NUMBER: LXF.LXT-PA1-30-727-U-T4W-A

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	77.3	2.5			
FM	(30°-60°)	857.5	27.9			
FH	(60°-80°)	1144.5	37.3			G1/1800
FVH	(80°-90°)	200.4	6.5			G2/225
BL	(0°-30°)	52.7	1.7	B0/110		
BM	(30°-60°)	308.4	10.0	B1/1000		
BH	(60°-80°)	252.4	8.2	B1/500		G1/500
BVH	(80°-90°)	61.8	2.0			G1/100
UL	(90°-100°)	73.6	2.4		U3/500	
UH	(100°-180°)	50.6	1.6		U3/500	

**BUG Rating: B1-U3-G2**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
2.5°	77.1	76.7	76.7	77.1	77.1	76.4	75.0	73.9	72.8	72.5	72.1
5°	84.1	83.8	83.4	83.8	82.7	81.7	79.6	77.4	76.0	74.6	74.2
7.5°	93.7	93.3	93.0	92.3	90.9	88.7	85.6	82.7	80.3	78.5	77.8
10°	106.1	104.7	104.3	102.9	100.4	96.9	93.3	89.8	87.0	84.5	83.4
12.5°	123.0	123.0	120.2	117.0	112.8	107.5	102.9	100.1	97.2	95.8	93.7
15°	143.9	143.2	140.4	135.1	128.0	122.0	117.0	113.5	111.7	109.3	108.2
17.5°	166.9	165.5	163.0	154.9	146.4	140.0	134.4	130.8	129.8	127.6	127.3
20°	196.9	194.8	188.8	178.9	167.2	160.2	154.9	151.0	150.6	151.3	151.0
22.5°	232.6	231.2	223.8	205.8	192.7	182.4	175.4	176.1	180.7	182.8	180.0
25°	275.4	276.8	264.5	240.4	223.1	205.8	202.9	206.8	217.1	222.7	223.1
27.5°	326.0	325.6	309.4	282.9	256.0	236.5	231.9	243.3	257.7	265.9	265.9
30°	382.6	387.5	364.5	329.9	292.4	269.4	265.9	283.2	298.4	312.9	317.1
32.5°	457.9	456.8	427.1	385.4	335.5	303.0	300.2	322.1	356.4	376.5	376.5
35°	551.6	547.7	506.3	443.7	376.9	340.5	340.8	371.2	416.5	441.3	443.7
37.5°	632.2	635.4	593.6	517.6	430.3	383.3	387.5	428.5	483.0	512.0	521.9
40°	718.4	719.5	673.5	590.8	487.9	428.9	439.1	486.5	538.1	562.2	571.7
42.5°	794.5	800.8	754.9	664.4	546.3	484.7	489.7	531.1	582.3	611.0	624.4
45°	846.8	850.3	822.0	731.9	609.5	541.7	541.0	579.5	645.6	677.4	699.0
47.5°	917.9	927.4	886.7	799.8	674.6	599.6	593.6	643.1	730.1	781.7	800.1
50°	1001.3	1015.8	987.2	882.1	748.9	667.9	668.9	728.0	835.1	902.7	921.7
52.5°	1084.4	1090.0	1071.0	981.1	835.1	747.4	755.9	829.8	952.9	1022.2	1033.8
55°	1128.9	1137.1	1142.7	1071.7	938.7	841.8	856.7	945.8	1053.3	1134.6	1161.1
57.5°	1171.4	1182.7	1197.5	1149.1	1041.6	958.5	973.0	1052.2	1209.2	1325.2	1345.3
60°	1243.1	1253.0	1281.7	1242.1	1136.0	1069.9	1085.1	1196.5	1316.7	1396.6	1398.7
62.5°	1242.1	1257.6	1326.9	1336.8	1237.1	1177.0	1214.1	1274.3	1369.4	1469.8	1467.7
64°	1225.1	1244.6	1328.0	1374.0	1298.6	1235.0	1267.2	1312.4	1451.0	1525.3	1511.8
65°	1213.1	1234.7	1324.8	1383.5	1332.2	1267.9	1291.9	1344.3	1474.7	1518.9	1500.5
67.5°	1147.0	1171.0	1290.5	1382.4	1366.9	1319.5	1327.3	1376.1	1435.5	1452.8	1419.9
70°	1028.5	1041.3	1177.0	1324.5	1332.6	1287.3	1308.5	1333.7	1366.2	1357.7	1314.6
72.5°	811.8	838.0	975.1	1185.2	1231.5	1198.9	1207.1	1219.5	1186.6	1137.8	1086.5
75°	578.1	601.4	729.4	934.8	1072.4	1059.3	1070.6	1050.8	1014.4	969.8	919.6
77.5°	402.0	409.4	515.1	705.4	857.0	897.0	921.4	893.5	873.0	819.6	779.3
80°	260.2	272.6	339.1	510.9	679.2	760.9	800.1	782.1	734.4	649.1	603.2
82.5°	161.2	171.1	223.5	362.8	538.5	652.0	689.8	665.1	588.7	493.6	447.6
85°	92.3	94.4	130.8	236.2	393.5	518.0	568.5	528.9	440.2	348.3	308.0
87.5°	53.0	54.8	78.1	144.6	272.2	390.3	438.4	380.8	295.6	223.8	197.3
90°	33.9	36.1	50.6	94.4	175.4	279.0	314.3	261.3	198.0	141.8	124.8
92.5°	23.3	24.4	33.9	58.7	113.1	184.2	210.0	174.7	123.4	90.5	80.3
95°	17.0	17.7	24.0	40.0	72.8	115.6	129.8	110.7	81.0	60.1	53.7
97.5°	13.8	14.1	18.7	29.3	50.2	73.5	77.8	68.9	53.7	42.8	40.3
100°	11.7	12.0	15.6	22.6	35.7	48.1	49.1	46.3	37.8	31.8	30.4
102.5°	10.6	10.6	13.1	18.4	26.9	34.3	34.3	31.8	26.2	23.3	23.3
105°	9.5	9.5	11.3	15.2	21.2	26.5	26.2	23.3	19.8	17.7	18.0
107.5°	8.5	8.5	9.9	12.4	17.3	20.9	20.2	17.3	15.2	13.8	14.1



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
110°	7.8	7.8	8.8	10.6	14.5	17.3	16.3	13.4	11.3	11.3	11.7
112.5°	7.1	7.1	7.8	9.5	12.4	14.1	13.1	10.6	9.2	9.2	9.5
115°	6.4	6.4	7.1	8.5	11.0	12.0	11.0	8.5	7.4	7.8	8.5
117.5°	6.0	6.0	6.7	7.8	9.5	10.3	9.2	7.1	6.4	7.1	7.4
120°	5.7	5.7	6.4	7.4	8.8	9.2	7.8	6.4	5.7	6.4	6.7
122.5°	5.7	5.7	6.0	7.1	8.1	8.1	7.1	5.7	4.9	5.7	6.0
125°	5.7	5.7	6.0	6.7	7.4	7.4	6.4	4.9	4.6	5.3	5.3
127.5°	6.0	6.0	6.4	6.7	7.1	6.7	5.7	4.6	4.2	4.9	4.9
130°	6.0	6.0	6.0	6.4	6.4	6.0	4.9	4.2	4.2	4.6	4.9
132.5°	6.0	6.0	6.0	6.0	6.0	5.3	4.6	3.9	4.2	4.6	4.9
135°	5.7	5.7	5.7	5.7	5.3	4.6	3.9	3.2	3.9	4.2	4.2
137.5°	4.9	5.3	4.9	4.9	4.9	4.2	3.2	2.8	3.2	3.9	3.9
140°	4.6	4.6	4.6	4.6	4.2	3.5	2.8	2.1	2.5	3.2	3.2
142.5°	4.2	4.2	4.2	3.9	3.9	3.2	2.1	1.8	2.1	2.5	2.5
145°	3.5	3.5	3.5	3.5	3.2	2.5	1.8	1.4	1.8	2.1	2.1
147.5°	2.8	2.8	2.8	2.8	2.5	2.1	1.4	1.4	1.8	1.8	1.8
150°	2.1	2.5	2.5	2.5	2.1	1.8	1.1	1.1	1.4	1.8	1.8
152.5°	1.8	1.8	1.8	2.1	1.8	1.1	0.7	1.1	1.4	1.4	1.4
155°	1.1	1.4	1.4	1.4	1.4	1.1	0.7	1.1	1.1	1.4	1.4
157.5°	0.7	0.7	1.1	1.1	1.1	1.1	0.7	0.7	1.1	1.1	1.1
160°	0.4	0.4	0.7	1.1	1.1	1.1	0.7	0.7	1.1	1.1	1.1
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°	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
2.5°	71.8	71.4	70.7	70.0	69.7	69.7	68.9	68.6	67.5	67.5	67.2
5°	73.2	72.5	71.1	69.7	68.6	68.2	67.5	66.5	65.8	65.4	65.4
7.5°	76.4	75.3	72.5	70.7	69.3	68.2	67.5	66.5	65.8	65.4	65.4
10°	81.7	79.9	76.7	73.5	71.4	70.0	69.3	68.9	68.6	68.2	68.2
12.5°	91.9	89.5	84.1	80.3	76.0	73.9	73.2	73.9	75.7	76.4	76.7
15°	106.1	102.9	96.5	89.5	83.1	79.6	81.0	84.5	87.7	89.1	88.7
17.5°	123.7	118.8	111.0	101.5	92.6	90.9	92.3	96.2	100.8	102.9	102.5
20°	146.4	142.5	130.8	115.3	105.4	102.5	103.6	108.5	115.3	117.4	118.1
22.5°	177.5	171.8	153.8	132.2	119.2	113.8	114.9	121.3	130.5	135.4	136.5
25°	217.8	211.8	185.3	152.4	131.9	123.7	128.0	136.5	151.3	159.1	158.4
27.5°	264.5	254.2	219.6	177.1	146.7	134.0	140.4	154.2	169.7	179.6	178.9
30°	307.6	298.8	252.4	199.8	159.5	143.9	150.6	168.3	186.3	198.4	199.1
32.5°	372.3	356.0	291.0	219.2	169.7	152.0	158.4	180.0	200.8	215.3	215.0
35°	439.1	420.7	333.4	241.8	178.6	157.3	164.1	188.5	211.4	228.8	229.1
37.5°	509.5	483.7	371.2	256.7	185.6	160.5	167.2	194.5	223.8	243.6	244.3
40°	556.9	527.5	394.2	264.5	187.7	162.6	170.1	198.7	225.9	240.4	241.8
42.5°	609.9	568.5	406.2	258.1	185.3	162.3	170.8	195.5	216.7	227.0	228.1
45°	683.1	627.6	419.3	248.2	178.6	161.2	167.9	187.0	200.8	204.7	204.7
47.5°	778.2	699.4	441.3	237.6	171.5	158.0	163.0	175.4	180.7	180.0	178.2
50°	892.4	801.2	467.8	228.4	164.8	154.2	157.3	164.4	166.2	164.1	163.0
52.5°	1006.2	883.2	486.2	220.3	160.5	150.6	152.7	158.0	158.0	151.7	150.6
55°	1110.6	957.5	481.2	204.7	157.3	148.9	151.0	154.9	151.7	144.3	142.8
57.5°	1279.2	1085.8	493.9	189.5	152.7	148.5	151.3	153.8	149.2	142.1	140.7
60°	1309.3	1080.5	463.9	180.0	149.6	149.6	152.7	155.6	152.4	146.0	145.7
62.5°	1351.0	1085.4	418.3	166.2	147.4	150.3	155.9	160.2	159.8	155.2	154.5
64°	1380.3	1092.5	402.0	159.8	145.7	150.3	158.4	164.8	164.8	159.5	159.5
65°	1351.3	1065.6	390.0	156.6	143.9	150.3	159.8	167.6	166.9	162.6	161.9
67.5°	1263.6	978.3	339.1	149.6	140.0	150.3	163.7	172.2	173.2	169.7	168.3
70°	1156.5	882.9	294.9	141.4	136.1	148.5	163.7	175.0	176.8	172.9	171.8
72.5°	942.6	710.0	243.3	132.6	130.5	144.3	161.6	173.6	175.4	170.8	169.4
75°	790.2	579.8	201.5	124.1	124.5	139.0	156.3	167.2	167.2	162.3	160.2
77.5°	650.9	468.1	166.9	116.0	117.4	132.2	146.7	153.8	151.7	147.1	144.3
80°	487.6	353.6	137.5	107.1	108.5	121.3	133.3	138.2	136.1	130.5	129.8
82.5°	356.7	254.2	117.4	97.9	99.0	109.3	118.1	122.3	124.1	119.5	118.1
85°	234.4	179.3	100.8	88.7	89.5	97.2	102.9	106.4	110.3	108.9	108.2
87.5°	153.1	124.1	85.2	78.1	78.8	85.2	89.1	92.6	100.4	101.5	100.1
90°	102.9	87.0	70.4	67.5	68.6	73.9	76.0	79.6	88.0	89.5	89.5
92.5°	68.9	62.2	56.9	56.9	58.7	63.3	63.6	64.7	71.8	73.5	72.8
95°	48.4	46.3	46.0	46.7	48.8	52.3	50.6	49.9	54.4	54.8	54.1
97.5°	37.1	36.4	37.1	38.2	39.2	42.8	41.0	39.2	41.4	40.7	41.4
100°	29.7	29.3	30.4	30.4	31.5	34.6	33.2	32.2	32.5	31.1	31.1
102.5°	23.7	23.7	24.7	25.1	25.8	28.3	27.9	26.9	26.2	24.7	25.1
105°	18.4	18.7	20.2	20.5	21.6	23.7	23.3	21.9	21.2	19.4	19.8
107.5°	14.8	15.6	16.6	17.0	18.0	19.8	19.1	17.7	16.6	15.9	15.9



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CATALOG NUMBER: LXF.LXT-PA1-30-727-U-T4W-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	12.4	12.7	13.8	14.1	15.2	16.6	16.3	14.5	13.1	12.7	13.1
112.5°	10.3	11.0	11.7	12.0	13.1	14.1	13.1	11.7	10.6	11.0	11.0
115°	8.8	9.2	9.9	10.3	11.0	12.0	11.0	9.5	8.8	9.2	9.5
117.5°	8.1	8.5	8.8	8.8	9.5	10.3	9.2	8.1	7.8	8.1	8.5
120°	7.1	7.4	7.8	8.1	8.5	8.8	8.1	7.1	6.7	7.4	7.4
122.5°	6.4	6.7	6.7	7.1	7.4	7.8	7.1	6.4	6.0	6.4	6.7
125°	5.7	6.0	6.4	6.4	6.7	6.7	6.4	5.7	5.7	6.0	6.0
127.5°	5.3	5.7	5.7	6.0	6.0	6.0	5.7	4.9	5.3	5.7	5.7
130°	5.3	5.3	5.3	5.3	5.3	5.3	4.9	4.6	4.9	5.3	5.3
132.5°	4.9	4.9	4.9	4.9	4.9	4.6	4.2	4.2	4.6	4.9	4.9
135°	4.6	4.6	4.2	4.2	4.2	4.2	3.9	3.9	3.9	4.2	4.2
137.5°	3.9	3.9	3.5	3.5	3.5	3.5	3.2	3.2	3.5	3.9	3.9
140°	3.2	3.2	2.8	2.8	2.8	2.8	2.8	2.8	3.2	3.2	3.5
142.5°	2.5	2.5	2.5	2.1	2.1	2.5	2.5	2.5	2.8	2.8	2.8
145°	2.1	2.1	2.1	1.8	1.8	2.1	2.1	2.1	2.5	2.5	2.5
147.5°	1.8	1.8	1.8	1.4	1.1	1.8	1.8	1.8	2.1	1.8	1.8
150°	1.8	1.8	1.4	1.1	1.1	1.1	1.4	1.4	1.4	1.4	1.4
152.5°	1.4	1.4	1.4	1.1	0.7	0.7	1.1	1.4	1.1	1.1	1.1
155°	1.4	1.4	1.1	1.1	0.7	0.4	0.7	1.1	0.7	0.7	0.7
157.5°	1.1	1.1	1.1	0.7	0.4	0.4	0.7	0.7	0.4	0.4	0.4
160°	1.1	1.1	0.7	0.7	0.4	0.4	0.7	0.7	0.4	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)