

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: P414620

Luminaire Tested: **LXF.LXT-PA1-30-730-U-T2R-A**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414620  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-30-730-U-T2R-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3253 lumens  
Efficiency: N/A  
Efficacy: 104.9 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type II - Medium - Non-Cutoff  
BUG Rating: B1 - U3 - G2

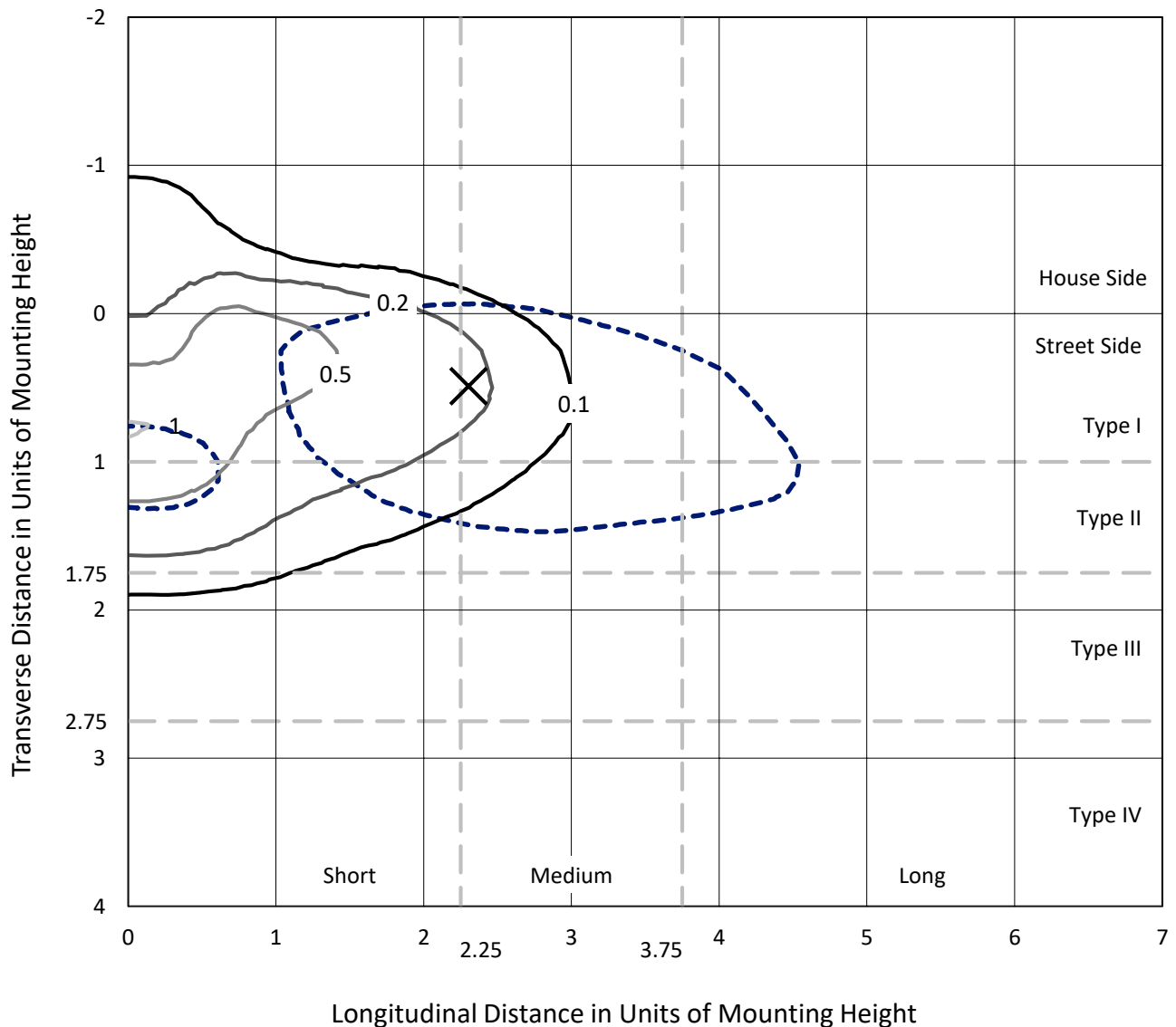
Input Watts (W): 31  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P414620  
 CATALOG NUMBER: LXF.LXT-PA1-30-730-U-T2R-A

### Iso-Footcandle Lines of Horizontal Illumination

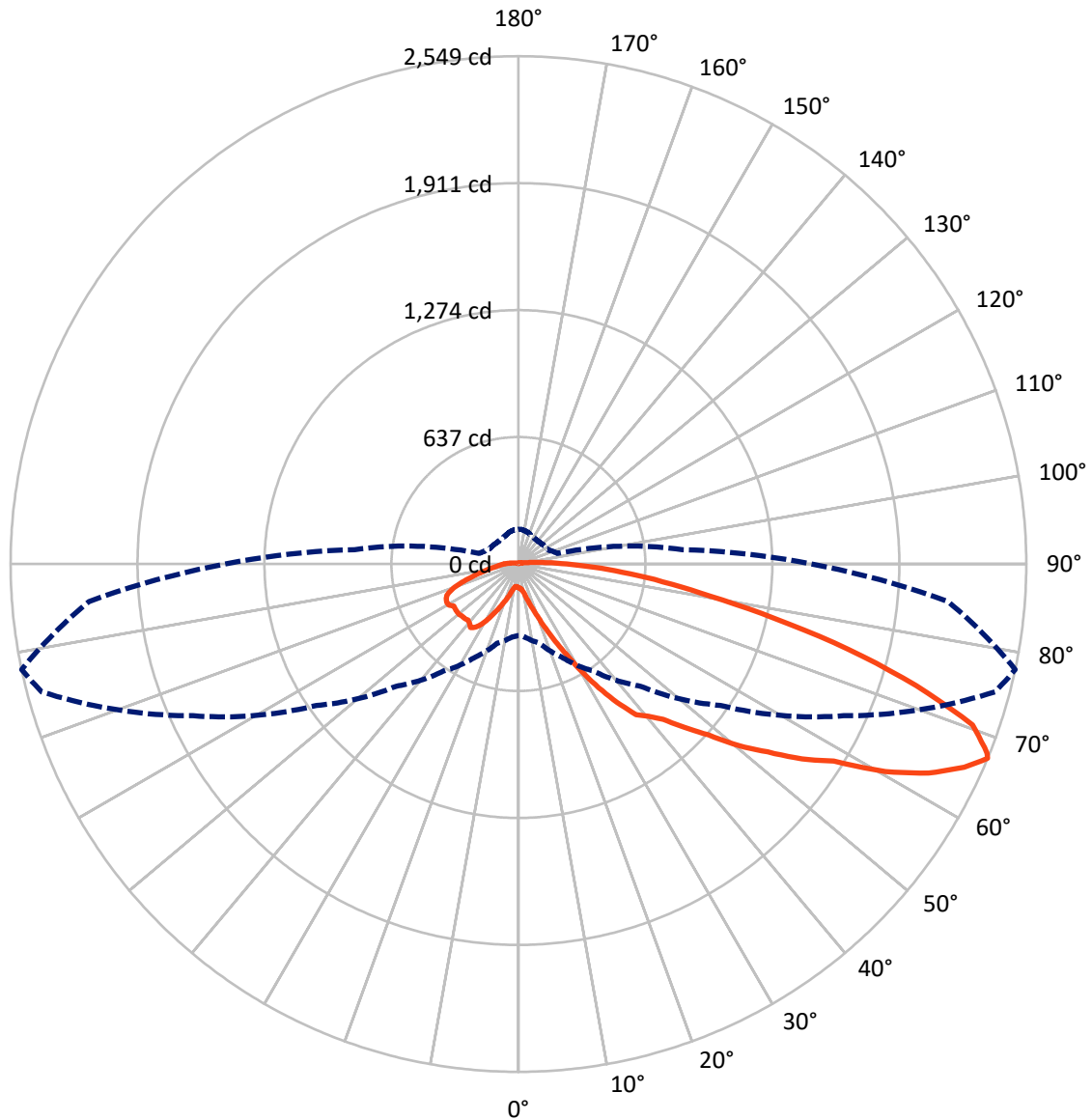
✕ Max cd  
 - - - 1/2 Max cd



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

REPORT NUMBER: P414620  
CATALOG NUMBER: LXF.LXT-PA1-30-730-U-T2R-A

### Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral      - - - Horizontal Cone Through 67-Deg Vertical



REPORT NUMBER: P414620

CATALOG NUMBER: LXF.LXT-PA1-30-730-U-T2R-A

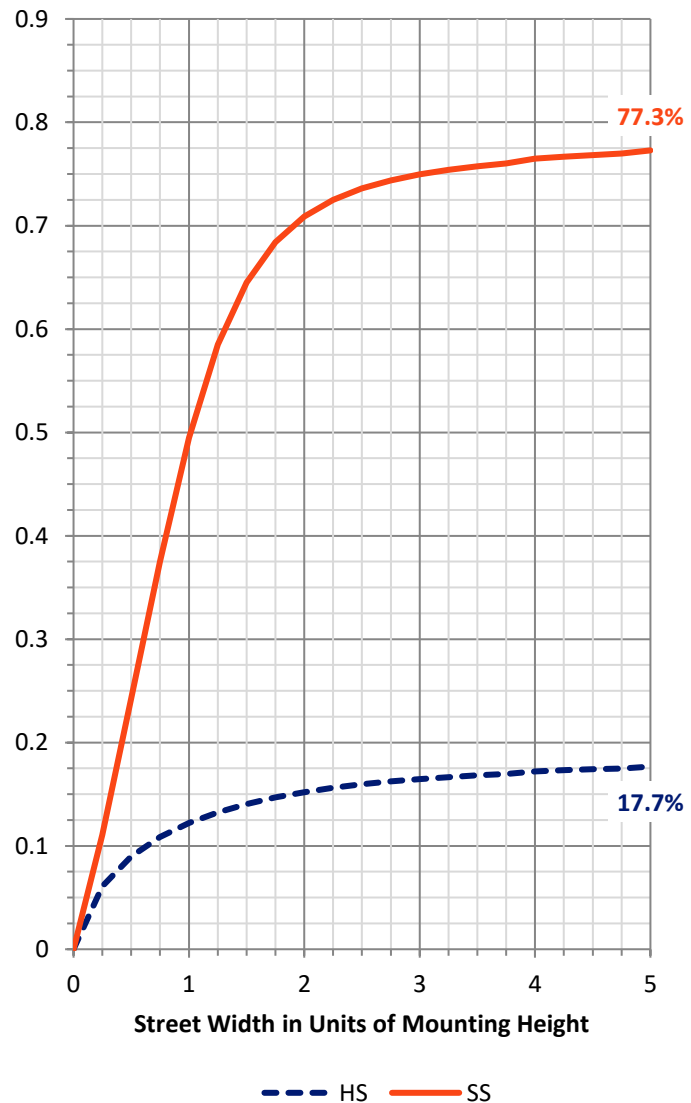
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	601.8	49.2	651.0
	% Fixture	18.5	1.5	20.0
<b>Street Side</b>	Lumens	2549.5	52.4	2602.0
	% Fixture	78.4	1.6	80.0
<b>Total</b>	Lumens	3151.3	101.7	3253.0
	% Fixture	96.9	3.1	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	11.9	0.4
10°-20°	50.6	1.6
20°-30°	151.8	4.7
30°-40°	347.4	10.7
40°-50°	554.9	17.1
50°-60°	683.9	21.0
60°-70°	712.8	21.9
70°-80°	462.2	14.2
80°-90°	175.7	5.4
90°-100°	54.3	1.7
100°-110°	20.9	0.6
110°-120°	11.3	0.3
120°-130°	7.4	0.2
130°-140°	4.9	0.2
140°-150°	2.2	0.1
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3151.3	96.9
0°-180°	3253.0	100.0



REPORT NUMBER: P414620

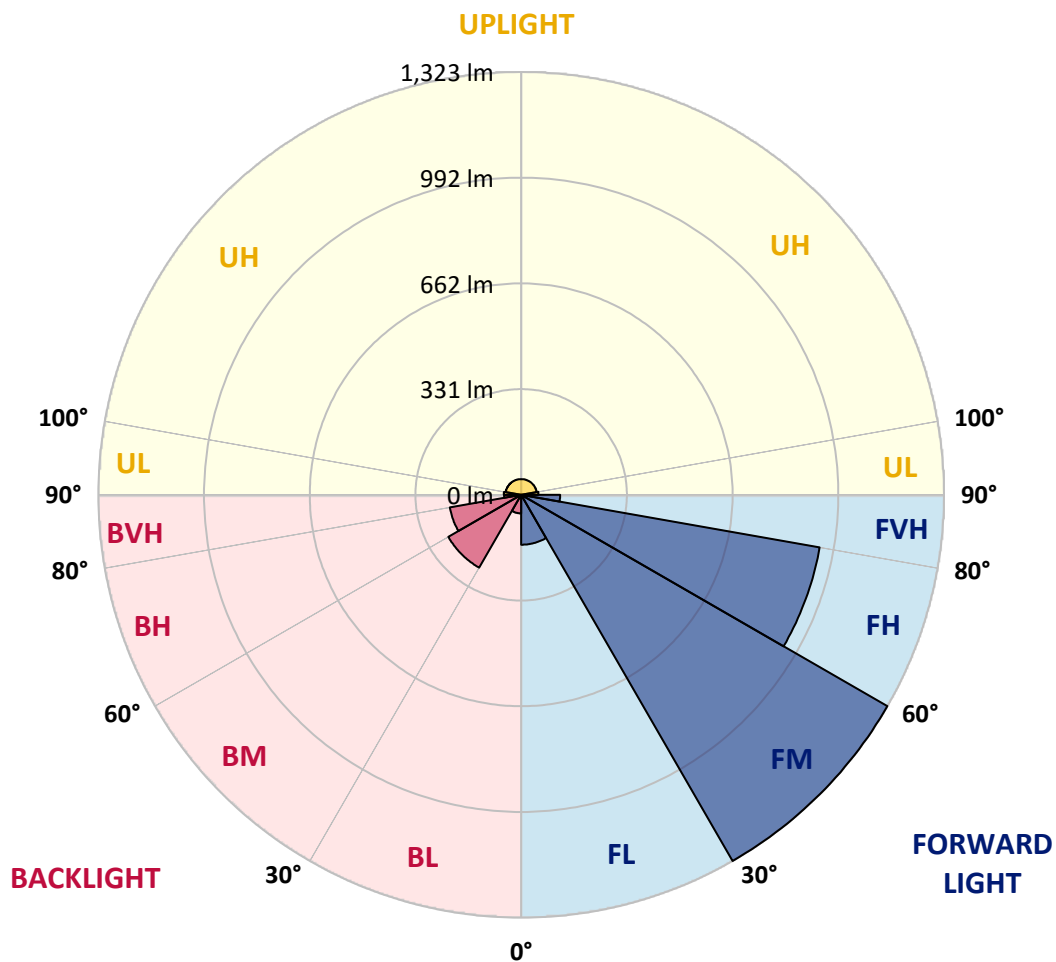
CATALOG NUMBER: LXF.LXT-PA1-30-730-U-T2R-A

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	156.2	4.8			
FM (30°-60°)	1323.2	40.7			
FH (60°-80°)	948.3	29.2			G1/1800
FVH (80°-90°)	121.9	3.7			G2/225
BL (0°-30°)	58.1	1.8	B0/110		
BM (30°-60°)	263.1	8.1	B1/1000		
BH (60°-80°)	226.7	7.0	B1/500		G1/500
BVH (80°-90°)	53.8	1.7			G1/100
UL (90°-100°)	54.3	1.7		U3/500	
UH (100°-180°)	49.2	1.5		U2/50	

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

Type II Medium





REPORT NUMBER: P414620

CATALOG NUMBER: LXF.LXT-PA1-30-730-U-T2R-A

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	118.6	118.6	118.6	118.6	118.6	118.6	118.6	118.6	118.6	118.6	118.6
2.5°	134.0	133.6	133.2	132.5	130.9	129.4	127.1	124.0	121.7	121.3	119.0
5°	150.9	149.8	149.8	147.9	144.8	141.7	137.1	131.7	127.4	125.1	121.7
7.5°	171.7	169.4	170.2	167.1	162.9	157.5	150.2	142.9	134.8	132.5	127.4
10°	196.8	195.2	193.7	189.8	184.8	176.3	169.4	158.6	147.9	144.8	137.1
12.5°	227.2	227.6	222.9	218.7	210.2	201.8	193.3	182.9	171.0	167.5	157.5
15°	269.9	269.5	264.5	254.9	244.5	235.3	228.3	217.2	205.6	201.8	186.7
17.5°	320.0	318.8	315.0	298.0	287.6	280.3	270.3	263.4	246.8	242.6	224.1
20°	393.1	386.2	377.3	354.6	339.2	330.0	321.9	313.0	295.3	288.0	266.1
22.5°	474.4	477.8	461.7	426.6	400.8	383.9	375.4	370.8	357.3	352.3	319.2
25°	575.3	575.3	549.8	511.3	477.8	446.3	444.3	449.7	431.6	428.2	393.1
27.5°	681.5	685.8	652.3	611.1	560.2	523.3	521.3	526.0	524.4	514.4	464.4
30°	802.8	799.0	761.2	711.2	643.8	600.3	594.9	628.4	631.1	624.2	569.5
32.5°	944.1	941.0	893.7	816.3	733.1	683.1	686.5	733.9	752.4	740.4	676.5
35°	1115.8	1119.7	1045.4	936.4	826.7	768.9	772.8	832.1	866.7	852.1	780.1
37.5°	1292.2	1293.4	1225.2	1077.7	927.2	845.2	854.4	926.8	971.5	959.5	860.6
40°	1403.9	1415.4	1350.0	1209.8	1033.1	921.4	929.1	1000.7	1026.9	1004.6	888.3
42.5°	1501.7	1510.5	1443.9	1293.4	1113.5	989.6	986.9	1041.1	1078.9	1065.0	945.3
45°	1549.8	1567.1	1507.0	1351.5	1170.1	1042.7	1021.9	1103.1	1187.1	1169.8	1037.7
47.5°	1514.7	1535.9	1510.5	1381.9	1195.6	1076.2	1080.8	1192.5	1301.1	1281.8	1138.6
50°	1400.4	1425.8	1434.3	1359.2	1202.1	1092.7	1142.0	1292.2	1437.7	1433.9	1262.5
52.5°	1262.5	1276.0	1313.0	1290.7	1177.8	1112.0	1208.3	1388.8	1578.7	1566.7	1365.4
55°	1135.1	1152.8	1183.2	1170.1	1117.8	1114.3	1260.6	1496.7	1728.4	1726.9	1494.7
57.5°	959.5	984.2	1048.1	1055.4	1040.0	1100.1	1298.7	1581.4	1860.9	1866.3	1624.5
60°	736.6	757.4	854.4	931.8	945.3	1066.6	1318.0	1674.5	2087.3	2115.4	1851.3
62.5°	597.2	601.0	674.6	771.2	862.9	1005.3	1321.1	1792.4	2285.2	2310.6	1987.2
65°	447.0	446.3	514.0	624.2	751.6	933.7	1311.4	1829.3	2392.6	2457.7	2117.0
67°	359.2	367.7	411.2	516.0	655.3	866.7	1236.8	1802.0	2477.0	2548.6	2164.3
67.5°	345.4	349.6	389.3	488.2	633.4	846.7	1214.8	1795.1	2476.6	2537.4	2150.1
70°	275.7	281.5	310.3	375.8	506.7	715.4	1060.4	1634.1	2329.9	2418.4	2019.5
72.5°	212.9	217.5	238.0	287.6	385.8	576.0	877.1	1406.2	2017.6	2087.7	1712.3
75°	162.1	163.6	182.9	216.8	294.6	439.3	677.3	1107.4	1659.1	1712.3	1391.5
77.5°	125.5	129.0	143.6	166.3	218.7	330.7	509.8	862.5	1319.9	1311.8	1058.1
80°	97.8	100.9	111.7	127.4	164.0	243.0	373.1	637.6	964.1	973.8	774.7
82.5°	78.5	80.9	88.2	99.7	126.3	184.8	272.6	476.7	733.1	729.7	567.9
85°	62.8	64.3	69.7	79.7	97.4	140.2	201.4	354.2	517.5	521.7	387.7
87.5°	48.9	50.8	57.0	63.1	77.0	106.7	148.6	245.7	344.2	347.7	266.4
90°	38.1	39.3	44.7	51.2	62.4	80.9	107.4	168.3	221.8	217.5	171.3
92.5°	28.1	29.3	34.3	40.4	48.5	62.4	77.4	107.8	129.8	132.5	107.0
95°	20.0	21.2	25.4	30.0	37.0	47.4	55.1	68.5	79.7	77.4	68.5
97.5°	15.4	15.8	18.9	22.3	28.1	36.6	40.8	47.4	52.4	51.2	47.7
100°	12.3	12.7	15.0	16.9	21.9	28.9	32.7	36.2	39.3	38.1	36.6
102.5°	10.4	10.8	12.3	13.9	18.1	24.3	26.6	28.9	30.0	30.0	29.3
105°	8.9	9.2	10.4	11.9	15.4	20.0	21.6	22.7	23.9	23.5	23.5
107.5°	8.1	8.1	9.2	10.4	13.5	16.9	17.7	18.1	18.5	18.5	19.3



REPORT NUMBER: P414620

CATALOG NUMBER: LXF.LXT-PA1-30-730-U-T2R-A

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
110°	7.3	7.7	8.5	9.2	11.9	15.0	15.0	14.6	14.6	14.6	15.8
112.5°	6.9	7.3	7.7	8.9	11.2	13.1	12.7	11.9	11.9	12.3	13.5
115°	6.9	6.9	7.3	8.5	10.4	11.9	11.2	10.0	10.0	10.4	11.6
117.5°	6.9	6.9	7.7	8.5	10.0	10.8	10.0	8.9	8.5	8.9	10.0
120°	7.3	7.3	7.7	8.5	9.2	10.0	9.2	8.1	7.7	8.1	9.2
122.5°	7.7	7.7	7.7	8.5	8.9	9.2	8.5	7.3	6.9	7.3	8.5
125°	8.1	8.1	8.1	8.5	8.9	8.5	7.7	6.9	6.9	6.9	8.1
127.5°	8.9	8.9	8.9	8.9	8.5	8.1	7.3	6.5	6.9	6.9	7.7
130°	9.6	9.6	9.2	8.9	8.5	7.7	6.9	6.2	6.5	6.9	7.7
132.5°	10.0	9.6	9.2	8.5	8.1	6.9	6.2	5.8	6.2	6.5	7.3
135°	9.2	9.2	8.5	7.7	7.3	6.2	5.4	5.4	5.8	6.2	6.5
137.5°	8.1	8.1	7.7	6.9	6.5	5.8	5.0	4.6	5.4	5.8	6.2
140°	6.9	6.9	6.5	5.8	5.4	5.0	4.2	3.9	4.6	5.0	5.4
142.5°	5.8	5.8	5.4	4.6	4.6	4.2	3.5	3.5	4.2	4.2	4.6
145°	4.6	4.6	4.6	3.9	3.9	3.5	2.7	3.1	3.5	3.9	3.9
147.5°	3.9	3.9	3.9	3.1	3.1	2.7	1.9	2.3	2.7	3.1	3.1
150°	3.1	3.1	3.1	2.7	2.3	1.9	1.5	1.9	1.9	2.3	2.3
152.5°	2.3	2.3	2.3	1.9	1.9	1.2	1.2	1.5	1.5	1.9	1.9
155°	1.5	1.5	1.9	1.5	1.2	0.8	1.2	1.2	1.5	1.5	1.5
157.5°	1.2	1.2	1.2	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2
160°	0.4	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
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





REPORT NUMBER: P414620

CATALOG NUMBER: LXF.LXT-PA1-30-730-U-T2R-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	118.6	118.6	118.6	118.6	118.6	118.6	118.6	118.6	118.6	118.6	118.6
2.5°	117.8	117.1	115.1	113.2	111.3	109.7	107.8	107.4	107.4	106.7	106.7
5°	119.4	117.1	112.4	108.6	104.3	100.9	98.2	97.0	95.9	95.1	94.3
7.5°	122.8	119.0	111.3	105.1	99.0	93.6	89.7	87.8	86.6	85.5	85.9
10°	130.9	125.1	114.0	104.0	94.7	87.4	82.8	80.5	79.7	78.5	78.5
12.5°	148.2	140.5	124.4	107.4	93.2	83.2	77.8	77.0	77.8	78.9	78.9
15°	175.6	164.0	140.5	117.1	96.6	82.4	79.3	81.6	84.3	85.9	85.9
17.5°	209.1	193.3	159.8	128.2	101.7	89.3	85.5	88.6	92.0	94.3	94.3
20°	246.0	224.9	179.4	137.8	109.0	99.0	94.7	97.4	102.0	105.5	105.1
22.5°	294.2	263.4	202.1	146.3	117.8	107.8	105.1	108.6	115.5	120.1	120.5
25°	353.9	311.5	228.7	157.5	125.9	115.5	116.3	122.4	131.7	136.7	136.7
27.5°	417.4	363.9	251.4	168.6	134.4	123.6	127.4	135.9	145.9	151.7	152.5
30°	501.3	431.2	279.9	179.8	141.7	131.7	136.3	146.3	153.6	157.1	157.5
32.5°	586.8	495.2	302.6	191.4	148.6	137.5	141.7	151.3	157.9	161.7	161.3
35°	664.2	546.8	316.1	196.8	154.8	141.7	143.6	154.0	157.9	160.2	159.8
37.5°	723.5	583.7	321.1	197.9	157.1	143.6	144.4	153.2	158.6	162.9	162.1
40°	733.5	578.7	302.3	191.0	156.7	143.6	145.2	155.2	160.9	162.9	162.5
42.5°	770.5	592.6	286.1	178.7	152.1	143.2	146.7	155.9	158.6	157.5	156.3
45°	834.8	621.8	281.5	172.5	146.3	142.1	147.5	154.0	153.6	151.3	150.6
47.5°	898.3	649.9	271.5	169.8	144.8	141.7	147.1	151.7	152.9	150.6	149.8
50°	979.2	687.3	263.4	166.0	145.2	141.7	146.3	151.7	152.5	148.6	148.2
52.5°	1051.5	713.1	251.4	162.5	145.5	142.9	146.3	151.7	152.1	148.2	147.5
55°	1127.0	740.4	239.1	159.0	146.7	144.0	147.5	152.1	152.5	149.8	149.0
57.5°	1202.5	764.3	225.2	156.3	147.9	146.3	148.2	152.5	155.6	154.8	154.8
60°	1356.5	832.8	222.9	156.7	149.0	148.2	149.0	154.4	160.2	158.3	158.6
62.5°	1417.3	847.5	218.7	161.7	152.5	149.8	150.2	155.9	162.1	164.8	164.4
65°	1472.8	848.6	210.2	165.2	156.7	150.9	150.9	156.3	166.7	172.9	172.9
67°	1469.7	825.5	204.1	165.6	158.6	152.1	150.6	156.3	167.1	174.0	174.4
67.5°	1452.0	810.5	201.8	165.6	159.0	152.1	150.2	155.9	167.1	174.4	174.4
70°	1345.3	731.6	186.7	161.3	157.9	150.2	147.9	152.1	164.8	174.8	174.8
72.5°	1114.3	602.2	165.6	150.9	150.6	145.2	141.7	146.3	158.6	169.0	168.6
75°	900.6	481.3	144.4	135.5	139.4	135.5	132.8	136.3	148.2	158.6	157.9
77.5°	673.1	361.6	124.8	120.9	126.3	123.6	121.3	124.8	136.3	146.3	144.8
80°	497.5	278.8	108.6	107.0	110.9	110.1	109.4	110.9	120.9	127.4	126.3
82.5°	366.2	212.2	93.6	92.4	97.0	97.0	97.0	98.2	105.5	107.8	106.7
85°	260.3	159.8	82.4	79.3	83.2	85.1	86.2	86.6	90.5	90.9	88.2
87.5°	183.3	125.9	73.9	67.4	69.3	73.5	75.5	75.1	76.6	75.5	72.8
90°	127.8	99.0	67.0	57.4	57.4	61.6	64.7	64.3	64.7	61.6	58.9
92.5°	90.1	74.7	56.6	47.4	46.6	50.8	53.5	53.1	53.1	50.1	47.4
95°	60.5	55.1	45.0	38.1	37.0	40.4	43.1	42.4	42.4	39.3	38.1
97.5°	44.7	42.0	37.0	32.3	30.0	32.0	33.9	33.9	34.3	32.3	31.2
100°	35.0	33.9	31.6	27.7	25.4	25.8	27.0	27.0	28.5	27.0	26.2
102.5°	29.3	28.5	26.6	23.9	21.9	21.6	22.3	22.7	24.6	23.5	23.1
105°	24.3	23.9	22.7	20.4	18.9	18.9	18.9	19.3	21.2	20.4	20.4
107.5°	19.6	19.6	19.6	17.7	16.6	16.6	16.2	16.6	18.1	18.1	18.1



REPORT NUMBER: P414620

CATALOG NUMBER: LXF.LXT-PA1-30-730-U-T2R-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	16.6	16.6	16.9	15.4	14.6	14.6	14.2	14.6	16.2	16.6	16.6
112.5°	14.2	14.2	14.6	13.9	13.1	13.1	12.7	12.7	14.2	15.4	15.4
115°	12.3	12.7	12.7	12.3	11.9	11.6	11.2	11.6	13.1	14.2	14.2
117.5°	10.8	11.2	11.6	11.2	10.8	10.4	10.0	10.4	11.9	13.5	13.5
120°	9.6	10.0	10.4	10.4	10.0	9.6	8.9	9.6	10.8	12.3	12.7
122.5°	8.9	9.2	9.2	9.2	9.2	8.5	8.1	8.5	9.6	11.2	11.6
125°	8.5	8.5	8.9	8.9	8.5	7.7	7.3	7.7	8.5	9.6	10.0
127.5°	8.1	8.1	8.5	8.5	7.7	6.9	6.5	6.9	7.7	8.5	8.5
130°	8.1	8.1	8.1	7.7	7.3	6.5	5.8	6.2	6.9	7.7	7.7
132.5°	7.7	7.3	7.3	7.3	6.5	5.8	5.4	5.4	6.2	6.9	6.9
135°	6.9	6.9	6.5	6.5	6.2	5.0	4.6	4.6	5.4	6.2	6.2
137.5°	6.2	6.2	5.8	5.8	5.4	4.6	3.9	4.2	5.0	5.0	5.4
140°	5.4	5.4	5.0	5.0	4.6	3.9	3.1	3.5	4.2	4.2	4.6
142.5°	4.6	4.6	4.6	4.2	3.9	3.1	2.7	3.1	3.9	3.9	3.9
145°	3.9	3.9	3.9	3.5	3.1	2.3	1.9	2.7	3.5	3.1	3.1
147.5°	3.1	3.1	3.1	3.1	2.3	1.9	1.5	2.3	2.7	2.7	2.7
150°	2.3	2.3	2.3	2.3	1.9	1.2	1.2	1.9	2.3	2.3	2.3
152.5°	1.9	1.9	1.9	2.3	1.9	0.8	0.8	1.5	1.9	1.9	1.9
155°	1.5	1.5	1.9	1.9	1.5	0.8	0.4	1.2	1.5	1.5	1.5
157.5°	1.2	1.2	1.5	1.5	1.2	0.8	0.4	0.8	1.5	1.2	1.2
160°	0.8	1.2	1.2	1.2	1.2	0.8	0.0	0.8	1.2	0.8	0.8
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)