

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: P415302

Luminaire Tested: **LXF.LXT-PA1-40-830-U-T2R-TL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415302  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-40-830-U-T2R-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 3000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3673 lumens  
Efficiency: N/A  
Efficacy: 91.8 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): 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

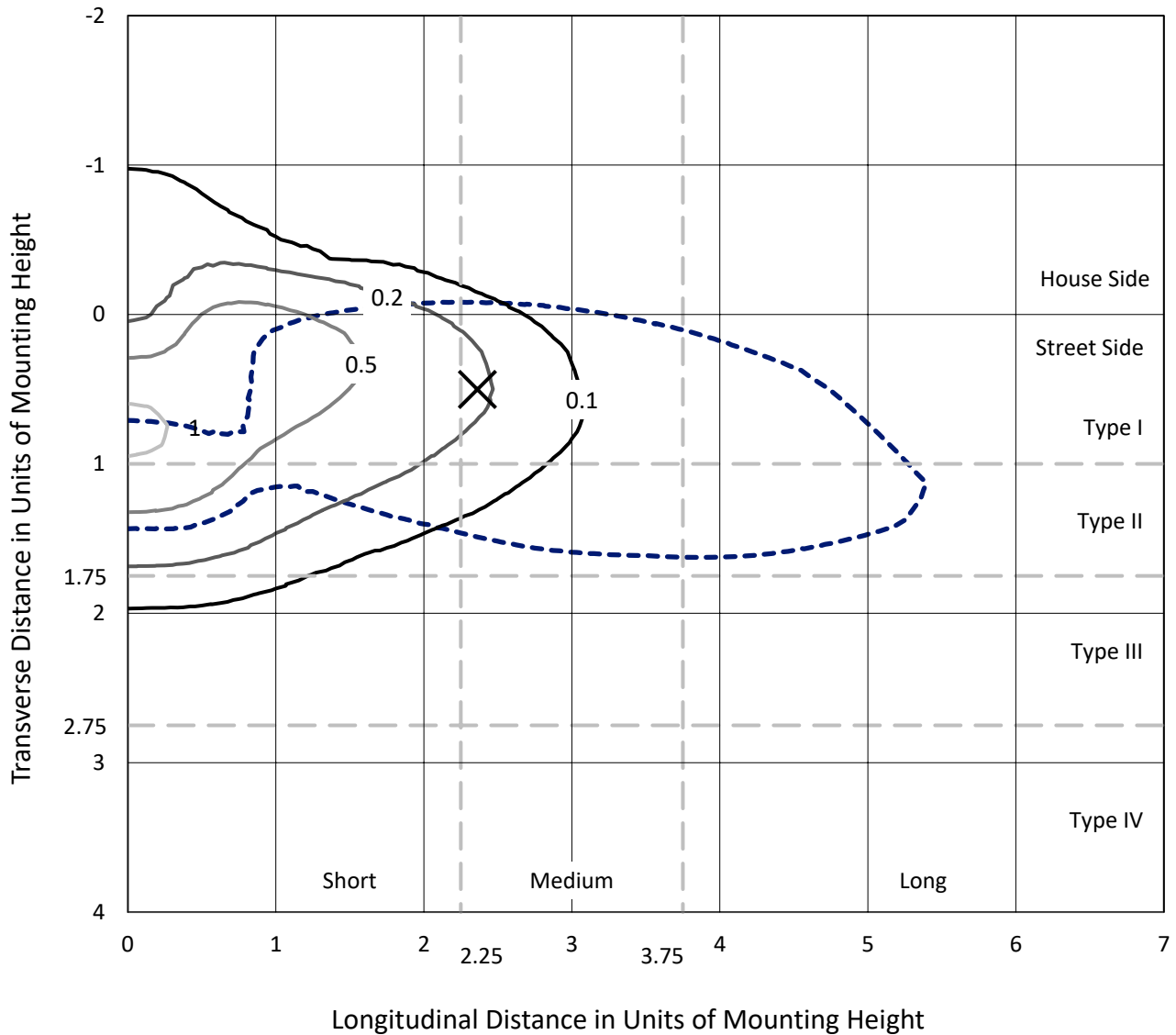


REPORT NUMBER: P415302

CATALOG NUMBER: LXF.LXT-PA1-40-830-U-T2R-TL

### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

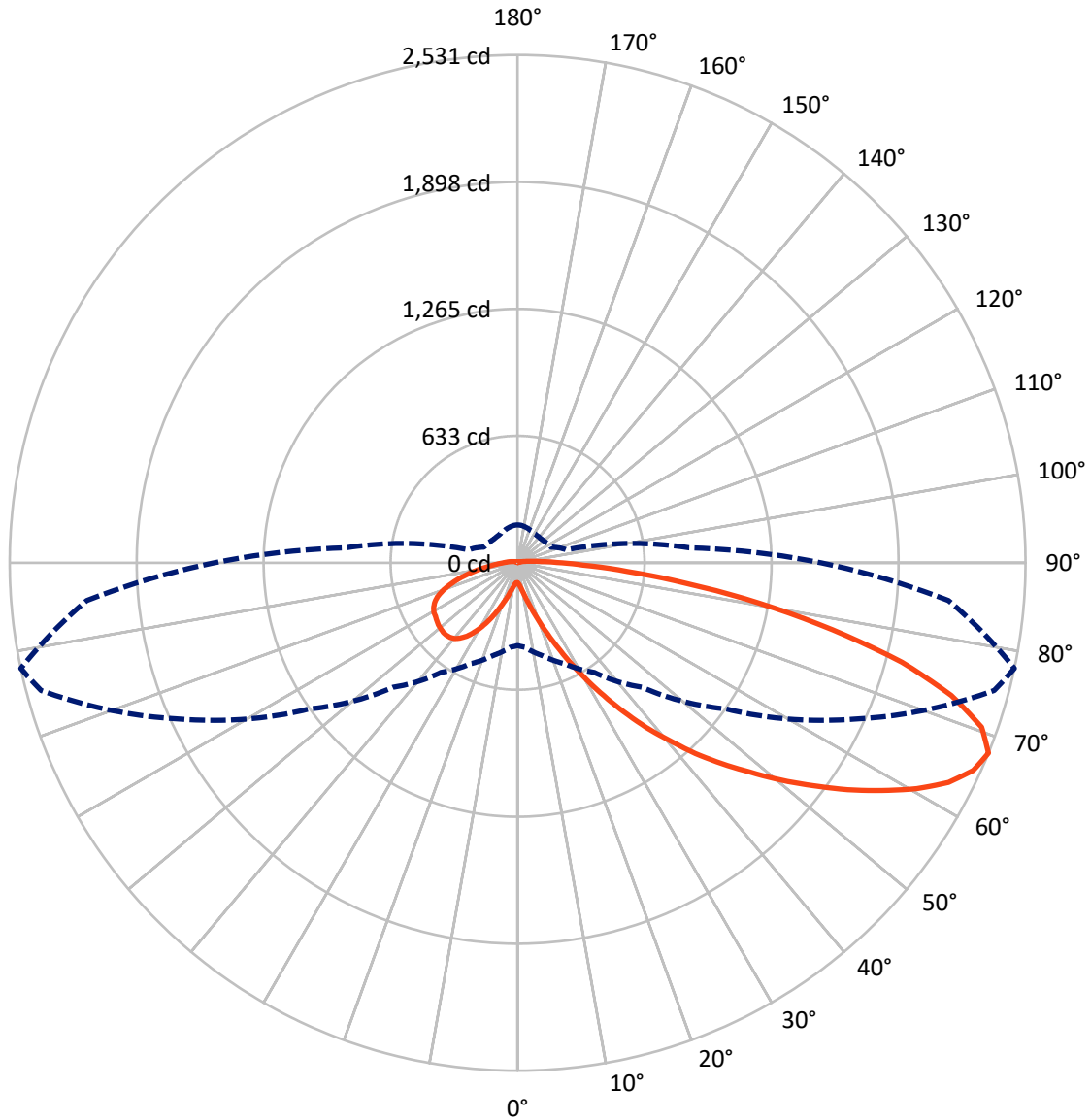


Based on 25 foot mounting height. Maximum calculated value = 1.1 fc  
 Type II - Medium - Non-Cutoff

REPORT NUMBER: P415302

CATALOG NUMBER: LXF.LXT-PA1-40-830-U-T2R-TL

### Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P415302

CATALOG NUMBER: LXF.LXT-PA1-40-830-U-T2R-TL

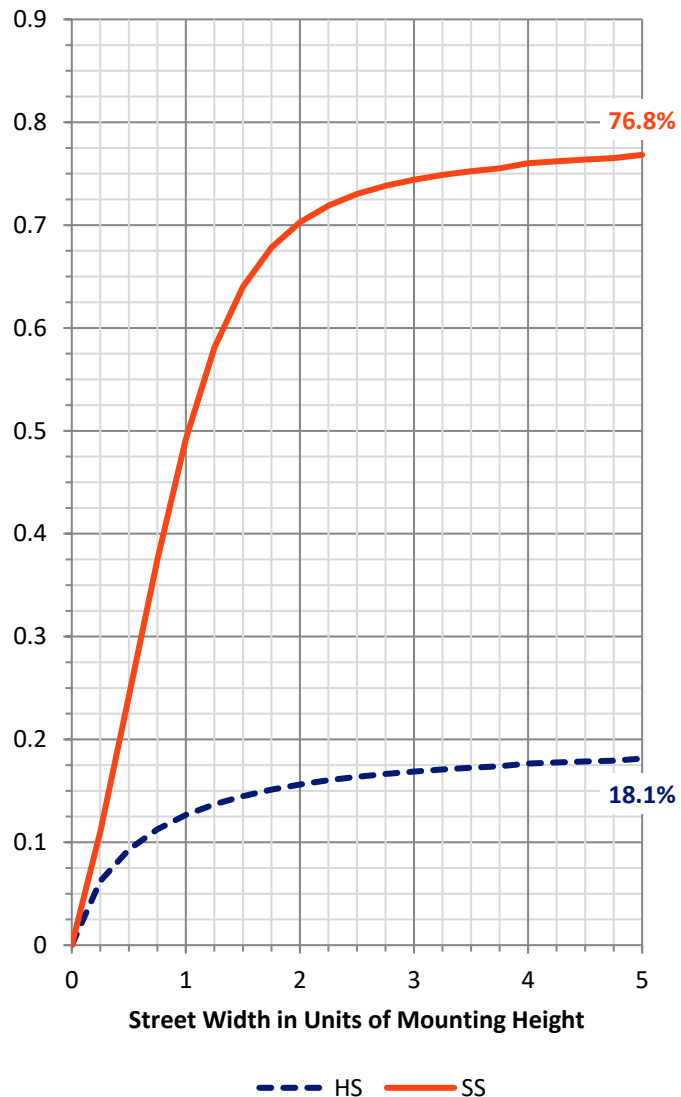
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	697.9	56.7	754.6
	% Fixture	19.0	1.5	20.5
<b>Street Side</b>	Lumens	2861.0	57.4	2918.4
	% Fixture	77.9	1.6	79.5
<b>Total</b>	Lumens	3558.9	114.1	3673.0
	% Fixture	96.9	3.1	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	11.4	0.3
10°-20°	57.0	1.6
20°-30°	173.9	4.7
30°-40°	389.0	10.6
40°-50°	640.9	17.5
50°-60°	788.9	21.5
60°-70°	765.1	20.8
70°-80°	529.9	14.4
80°-90°	202.8	5.5
90°-100°	58.2	1.6
100°-110°	25.2	0.7
110°-120°	13.6	0.4
120°-130°	8.4	0.2
130°-140°	5.2	0.1
140°-150°	2.5	0.1
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3558.9	96.9
0°-180°	3673.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P415302

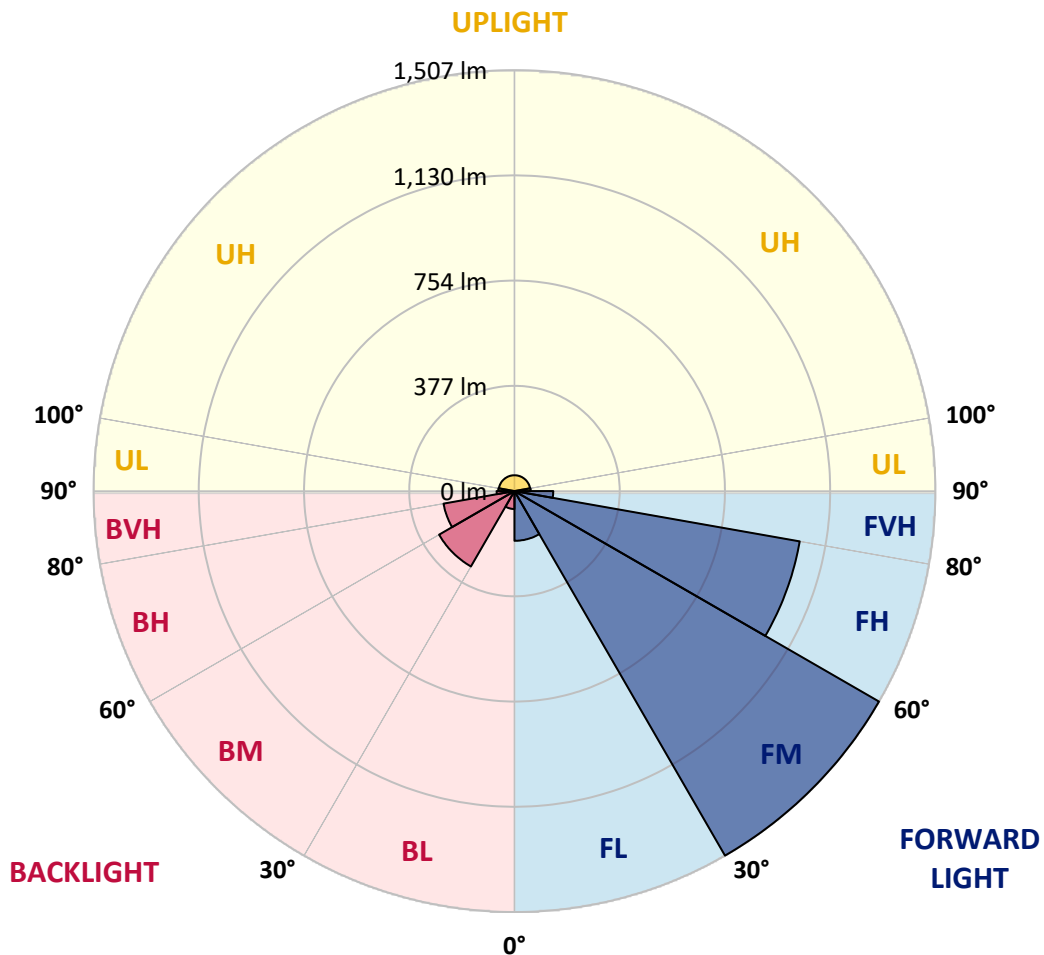
CATALOG NUMBER: LXF.LXT-PA1-40-830-U-T2R-TL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	178.0	4.8			
FM	(30°-60°)	1507.0	41.0			
FH	(60°-80°)	1037.1	28.2			G1/1800
FVH	(80°-90°)	138.8	3.8			G2/225
BL	(0°-30°)	64.3	1.7	B0/110		
BM	(30°-60°)	311.8	8.5	B1/1000		
BH	(60°-80°)	257.9	7.0	B1/500		G1/500
BVH	(80°-90°)	64.0	1.7			G1/100
UL	(90°-100°)	58.2	1.6		U3/500	
UH	(100°-180°)	56.7	1.5		U3/500	

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

Type II Medium





REPORT NUMBER: P415302

CATALOG NUMBER: LXF.LXT-PA1-40-830-U-T2R-TL

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	100.1	100.1	100.1	100.1	100.1	100.1	100.1	100.1	100.1	100.1	100.1
2.5°	119.2	118.3	118.3	117.9	116.1	114.4	111.8	108.8	106.1	104.4	102.7
5°	144.9	141.8	142.7	140.1	137.0	133.5	128.8	122.2	116.1	114.8	110.1
7.5°	175.7	171.8	173.1	170.1	164.4	157.0	150.5	140.9	131.8	128.8	121.8
10°	214.9	211.0	208.8	204.5	197.9	188.4	178.4	165.7	153.1	148.8	140.1
12.5°	261.4	258.4	255.4	249.3	238.8	226.6	214.0	200.1	183.6	177.9	164.4
15°	319.3	316.7	310.2	301.9	286.7	273.2	254.0	241.4	221.0	214.0	197.5
17.5°	384.1	378.9	372.4	360.2	342.8	325.8	309.7	288.4	266.2	260.6	240.1
20°	464.2	462.4	449.8	429.4	410.2	387.2	371.5	350.6	325.8	318.0	291.0
22.5°	559.0	555.5	540.7	509.8	481.1	451.5	438.9	417.2	399.3	388.5	353.2
25°	673.0	666.4	642.1	605.1	564.2	529.0	508.1	500.3	486.3	469.8	426.7
27.5°	794.3	794.8	761.3	706.5	649.5	607.3	591.2	594.2	577.3	568.1	515.5
30°	944.4	933.5	889.6	822.2	745.2	690.8	681.2	696.5	691.7	673.8	611.6
32.5°	1094.5	1090.6	1036.2	944.0	843.1	783.5	776.5	809.6	808.3	790.4	711.2
35°	1244.1	1239.8	1172.4	1064.9	945.3	877.0	870.9	914.4	930.1	912.2	823.5
37.5°	1394.7	1384.7	1316.8	1186.3	1042.3	962.7	965.3	1020.1	1056.7	1040.6	931.8
40°	1527.3	1525.6	1446.4	1298.1	1135.8	1049.7	1067.1	1139.3	1184.1	1161.9	1041.9
42.5°	1629.1	1621.7	1551.7	1390.7	1219.8	1131.0	1161.1	1256.8	1314.2	1299.0	1150.2
45°	1676.1	1671.8	1615.6	1460.8	1285.0	1201.5	1248.9	1365.5	1443.8	1427.3	1261.5
47.5°	1663.5	1659.6	1629.1	1495.1	1328.1	1262.0	1326.4	1471.2	1580.0	1557.8	1372.5
50°	1587.8	1591.7	1582.2	1485.1	1343.3	1300.7	1399.9	1576.9	1713.1	1702.6	1479.5
52.5°	1449.5	1460.8	1476.0	1432.9	1329.4	1318.1	1453.0	1668.7	1845.3	1844.9	1598.2
55°	1269.8	1277.6	1330.7	1322.9	1276.3	1317.7	1492.1	1759.2	1994.1	1996.3	1720.9
57.5°	1079.3	1075.4	1145.8	1186.7	1198.9	1284.2	1511.2	1839.2	2125.5	2140.7	1850.6
60°	870.9	885.3	951.4	1034.9	1080.6	1218.0	1504.7	1895.8	2252.1	2285.6	1968.4
62.5°	707.8	701.2	773.9	864.8	957.5	1123.2	1457.3	1922.3	2372.6	2410.0	2077.2
65°	534.6	548.1	613.8	694.3	804.3	1003.6	1380.7	1908.4	2447.0	2494.8	2145.5
67.5°	412.4	422.8	479.0	554.6	666.9	876.6	1270.2	1843.6	2458.3	2530.9	2155.1
70°	318.9	327.1	366.7	431.1	538.1	736.5	1114.9	1720.1	2396.5	2453.1	2067.2
72.5°	254.0	257.5	285.4	337.6	425.0	600.8	946.2	1526.0	2209.9	2260.3	1887.1
75°	199.7	204.9	227.5	266.7	331.9	480.3	773.5	1289.4	1925.8	1978.0	1638.7
77.5°	158.8	164.0	181.0	208.4	257.5	370.2	604.2	1050.6	1572.1	1604.3	1305.5
80°	126.2	128.8	143.1	163.6	200.1	285.4	455.0	797.4	1190.6	1224.1	970.1
82.5°	95.7	97.9	112.2	130.1	156.2	216.2	328.9	560.7	838.7	847.8	658.6
85°	68.7	72.6	84.4	99.2	119.6	161.0	235.8	380.6	535.1	549.0	417.2
87.5°	48.7	50.5	62.2	76.1	91.4	119.2	164.0	250.6	329.3	325.4	253.2
90°	33.1	34.4	44.8	56.1	69.6	89.2	114.4	157.5	202.3	195.8	158.8
92.5°	22.2	24.4	33.1	42.6	54.4	68.7	81.3	103.1	125.3	119.2	100.9
95°	16.5	17.4	25.2	33.9	43.5	52.6	60.5	70.5	80.0	78.3	69.6
97.5°	13.1	13.9	20.4	27.8	35.2	42.6	47.0	50.5	55.7	55.2	50.0
100°	11.3	11.7	17.4	23.9	30.5	35.7	38.3	39.2	40.9	40.0	38.3
102.5°	9.6	10.4	15.2	20.9	26.5	30.5	32.2	31.3	30.9	30.0	28.3
105°	8.7	9.1	13.5	18.7	23.5	26.5	27.0	25.7	23.5	23.1	22.2
107.5°	8.3	8.7	12.2	17.0	20.9	23.5	23.1	21.3	18.7	17.8	17.4
110°	7.8	8.3	11.3	15.2	19.1	20.9	20.4	17.8	14.8	13.9	14.4



REPORT NUMBER: P415302

CATALOG NUMBER: LXF.LXT-PA1-40-830-U-T2R-TL

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
112.5°	7.8	7.8	10.4	13.9	17.4	18.7	17.8	15.2	12.2	11.7	12.2
115°	7.4	7.8	10.0	13.1	15.7	17.0	15.7	13.1	10.4	10.0	10.4
117.5°	7.4	7.8	9.6	12.2	14.8	15.2	13.9	11.3	8.7	8.7	9.6
120°	7.4	7.8	9.1	11.3	13.5	13.9	12.6	10.0	7.8	7.8	8.7
122.5°	7.8	7.8	8.7	10.9	12.6	13.1	11.3	8.7	7.4	7.4	8.3
125°	7.8	7.8	8.7	10.0	11.7	11.7	10.4	7.8	6.5	6.5	7.8
127.5°	7.8	7.8	8.7	9.6	10.9	10.9	9.6	7.4	6.1	6.1	7.4
130°	7.8	8.3	8.3	9.1	10.0	10.0	8.7	6.5	6.1	6.1	7.0
132.5°	8.3	8.3	8.3	8.7	9.6	9.1	7.4	6.1	5.7	5.7	6.5
135°	7.8	7.8	7.8	8.3	8.7	8.3	6.5	5.2	5.2	5.7	6.1
137.5°	7.8	7.8	7.8	7.4	7.8	7.4	6.1	4.8	4.8	5.2	5.7
140°	7.0	7.4	7.0	7.0	7.0	6.5	5.2	3.9	4.4	4.8	4.8
142.5°	6.5	6.5	6.5	6.1	6.1	5.7	4.4	3.5	3.9	3.9	4.4
145°	6.1	6.1	5.7	5.2	5.2	4.4	3.5	3.0	3.5	3.5	3.9
147.5°	5.2	5.2	5.2	4.4	3.9	3.5	2.2	2.2	2.6	3.0	3.0
150°	4.4	4.4	4.4	3.9	3.0	2.6	1.7	2.2	2.2	2.2	2.6
152.5°	3.5	3.5	3.5	3.0	2.6	1.7	1.3	1.7	1.7	1.7	2.2
155°	2.2	2.2	2.2	2.2	1.7	0.9	1.3	1.3	1.7	1.7	1.7
157.5°	1.3	1.3	1.3	1.3	0.9	0.9	0.9	1.3	1.3	1.3	1.3
160°	0.4	0.4	0.9	0.9	1.3	0.9	0.9	0.9	0.9	0.9	0.9
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: P415302

CATALOG NUMBER: LXF.LXT-PA1-40-830-U-T2R-TL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	100.1	100.1	100.1	100.1	100.1	100.1	100.1	100.1	100.1	100.1	100.1
2.5°	101.4	100.1	97.9	95.7	93.5	91.4	89.6	89.2	87.9	87.9	87.4
5°	107.4	105.3	99.6	95.3	90.5	86.6	83.5	82.2	80.9	80.0	80.0
7.5°	118.3	113.5	105.3	97.9	91.4	85.7	81.8	79.6	77.9	77.0	77.0
10°	133.1	127.0	114.4	103.5	94.0	87.0	82.7	80.0	78.7	77.9	77.4
12.5°	154.9	146.2	127.9	112.2	100.1	91.4	85.7	84.0	84.4	84.4	84.4
15°	184.4	171.8	147.0	125.7	108.3	97.0	93.1	93.1	94.4	94.8	94.0
17.5°	222.7	205.8	171.0	139.2	118.8	107.0	102.7	102.7	104.8	106.1	106.1
20°	269.7	245.3	196.2	157.0	130.9	118.3	113.1	113.5	116.1	117.9	117.9
22.5°	323.7	294.9	228.4	175.3	144.4	128.3	122.7	123.1	127.5	129.6	130.5
25°	393.7	349.3	260.6	194.0	157.0	137.9	132.2	132.7	138.3	141.4	141.4
27.5°	467.6	409.8	293.2	212.3	167.9	146.6	140.9	142.2	148.3	151.0	151.8
30°	546.4	474.2	325.8	227.9	176.6	153.1	147.5	150.1	155.7	159.7	160.1
32.5°	633.8	537.2	351.9	240.6	184.0	158.8	153.1	157.0	161.8	166.2	166.6
35°	725.2	599.9	375.0	249.3	188.8	163.6	157.5	161.4	166.2	170.1	169.7
37.5°	807.0	651.2	390.2	252.7	191.4	166.2	160.5	164.4	168.8	171.8	171.8
40°	887.4	704.7	397.6	250.1	191.4	167.5	161.8	166.2	170.1	171.8	171.8
42.5°	964.0	744.3	396.3	244.9	190.5	167.9	162.7	166.6	170.1	171.0	171.0
45°	1030.1	780.9	388.5	236.2	187.5	167.5	163.1	166.6	169.2	169.2	169.7
47.5°	1108.4	809.6	377.2	227.1	184.0	166.6	162.3	166.2	168.4	168.4	167.9
50°	1178.9	837.4	361.9	217.1	181.0	165.7	161.8	165.7	168.4	167.5	167.5
52.5°	1253.7	862.2	346.3	207.9	177.9	165.3	161.8	165.7	168.4	167.9	168.4
55°	1322.9	887.0	326.7	199.7	176.2	164.9	162.3	166.2	169.7	169.7	169.2
57.5°	1411.6	900.0	311.5	194.0	174.4	164.9	162.7	167.0	171.4	171.8	172.3
60°	1474.3	917.0	298.9	190.5	174.4	165.7	164.0	168.4	174.0	176.2	177.5
62.5°	1519.9	916.1	283.6	188.8	174.9	166.6	165.3	169.7	177.1	180.1	181.8
65°	1543.9	900.5	268.0	187.5	175.3	167.5	166.2	170.5	179.2	184.9	186.6
67.5°	1512.5	858.3	251.9	185.3	174.9	167.0	166.6	171.4	180.5	187.9	188.8
70°	1436.4	786.9	232.7	180.5	173.1	165.7	165.3	169.2	179.2	187.9	188.8
72.5°	1292.0	696.5	210.5	173.6	169.2	162.7	161.4	165.3	174.9	183.6	183.6
75°	1098.8	591.6	188.8	163.6	161.4	157.5	156.2	158.3	166.6	174.9	175.3
77.5°	860.5	471.1	165.7	149.6	151.8	148.8	147.5	148.8	156.2	161.8	162.3
80°	654.7	358.9	143.6	133.1	138.3	137.5	136.2	135.7	140.9	145.3	144.0
82.5°	451.5	255.4	118.8	115.7	121.4	122.7	122.2	119.2	123.1	126.6	124.4
85°	291.5	180.5	99.2	97.9	103.1	105.3	104.8	102.7	103.5	107.4	103.1
87.5°	188.4	129.6	81.8	80.9	85.3	87.9	87.9	83.5	85.3	89.2	84.4
90°	117.9	91.8	68.3	67.9	70.9	72.2	70.5	67.9	68.7	70.9	69.2
92.5°	83.5	69.2	57.0	57.0	57.9	58.7	57.9	54.8	56.6	56.6	56.6
95°	60.9	54.8	49.6	48.7	48.3	47.9	47.4	45.2	47.0	46.5	45.2
97.5°	46.5	43.9	42.2	41.8	40.9	40.5	40.0	38.3	39.6	38.7	37.8
100°	36.5	36.1	36.1	36.1	35.2	33.9	33.9	33.5	33.5	32.2	32.2
102.5°	29.1	29.1	30.9	31.3	30.5	29.6	29.6	29.1	28.7	27.0	26.5
105°	23.1	23.9	26.5	27.0	26.5	25.7	25.2	25.2	24.4	22.2	22.2
107.5°	18.7	19.6	22.6	23.5	23.1	22.6	22.2	21.8	20.9	18.7	18.7
110°	15.2	16.5	19.1	20.4	20.0	19.6	19.6	18.7	17.8	16.1	16.1



REPORT NUMBER: P415302

CATALOG NUMBER: LXF.LXT-PA1-40-830-U-T2R-TL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	13.1	14.4	16.5	17.8	17.8	17.4	17.0	16.5	15.2	13.9	13.9
115°	11.3	12.6	14.8	15.7	15.7	15.2	14.8	14.4	13.1	12.2	12.6
117.5°	10.4	11.3	13.1	13.9	13.9	13.5	13.1	12.6	11.7	11.3	11.3
120°	9.6	10.4	11.7	12.6	12.6	12.2	11.7	11.3	10.4	10.4	10.4
122.5°	8.7	9.6	10.9	11.3	11.3	10.9	10.4	10.0	9.1	9.6	9.6
125°	8.3	8.7	9.6	10.4	10.4	10.0	9.6	8.7	8.3	8.7	8.7
127.5°	7.8	8.3	9.1	9.6	9.6	9.1	8.3	7.8	7.4	7.8	7.8
130°	7.4	7.8	8.3	8.7	8.7	7.8	7.4	7.0	7.0	7.4	7.4
132.5°	7.0	7.4	7.4	7.8	7.8	7.4	6.5	6.1	6.1	6.5	6.5
135°	6.5	6.5	7.0	7.0	7.0	6.5	5.7	5.2	5.7	6.1	6.1
137.5°	5.7	6.1	6.1	6.5	6.1	5.7	4.8	4.8	5.2	5.2	5.2
140°	5.2	5.2	5.7	5.7	5.2	4.8	4.4	3.9	4.4	4.8	4.8
142.5°	4.8	4.8	4.8	4.8	4.8	3.9	3.5	3.5	3.9	3.9	3.9
145°	3.9	3.9	4.4	3.9	3.9	3.0	2.6	3.0	3.5	3.5	3.5
147.5°	3.0	3.5	3.5	3.5	3.0	2.2	1.7	2.6	3.0	3.0	3.0
150°	2.6	2.6	2.6	2.6	2.6	1.7	1.3	2.2	2.6	2.6	2.6
152.5°	2.2	2.2	2.6	2.6	2.2	1.3	0.9	1.7	2.2	2.2	1.7
155°	1.7	1.7	2.2	2.2	1.7	0.9	0.9	1.3	1.7	1.7	1.3
157.5°	1.3	1.7	1.7	1.7	1.3	0.9	0.4	0.9	1.3	1.3	1.3
160°	1.3	1.3	1.3	1.7	1.3	0.9	0.4	0.9	1.3	0.9	0.9
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)