

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: P414913

Luminaire Tested: **LXF.LXT-PA1-30-830-U-T4W-TL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414913  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-23)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-30-830-U-T4W-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2893 lumens  
Efficiency: N/A  
Efficacy: 93.3 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type IV - Medium - Non-Cutoff  
BUG Rating: B1 - U3 - G2

Input Watts (W): 31  
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

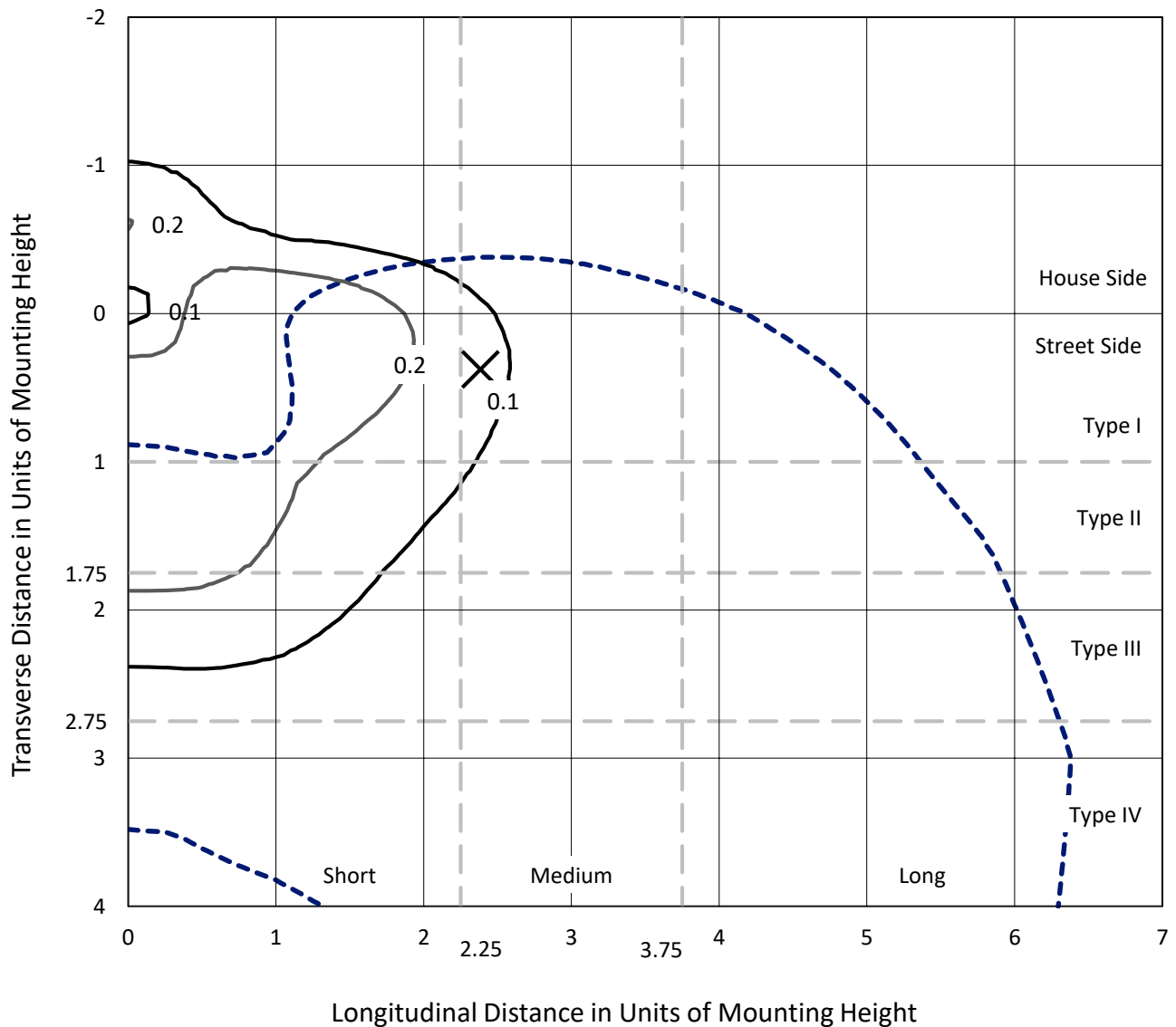


REPORT NUMBER: P414913

CATALOG NUMBER: LXF.LXT-PA1-30-830-U-T4W-TL

### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

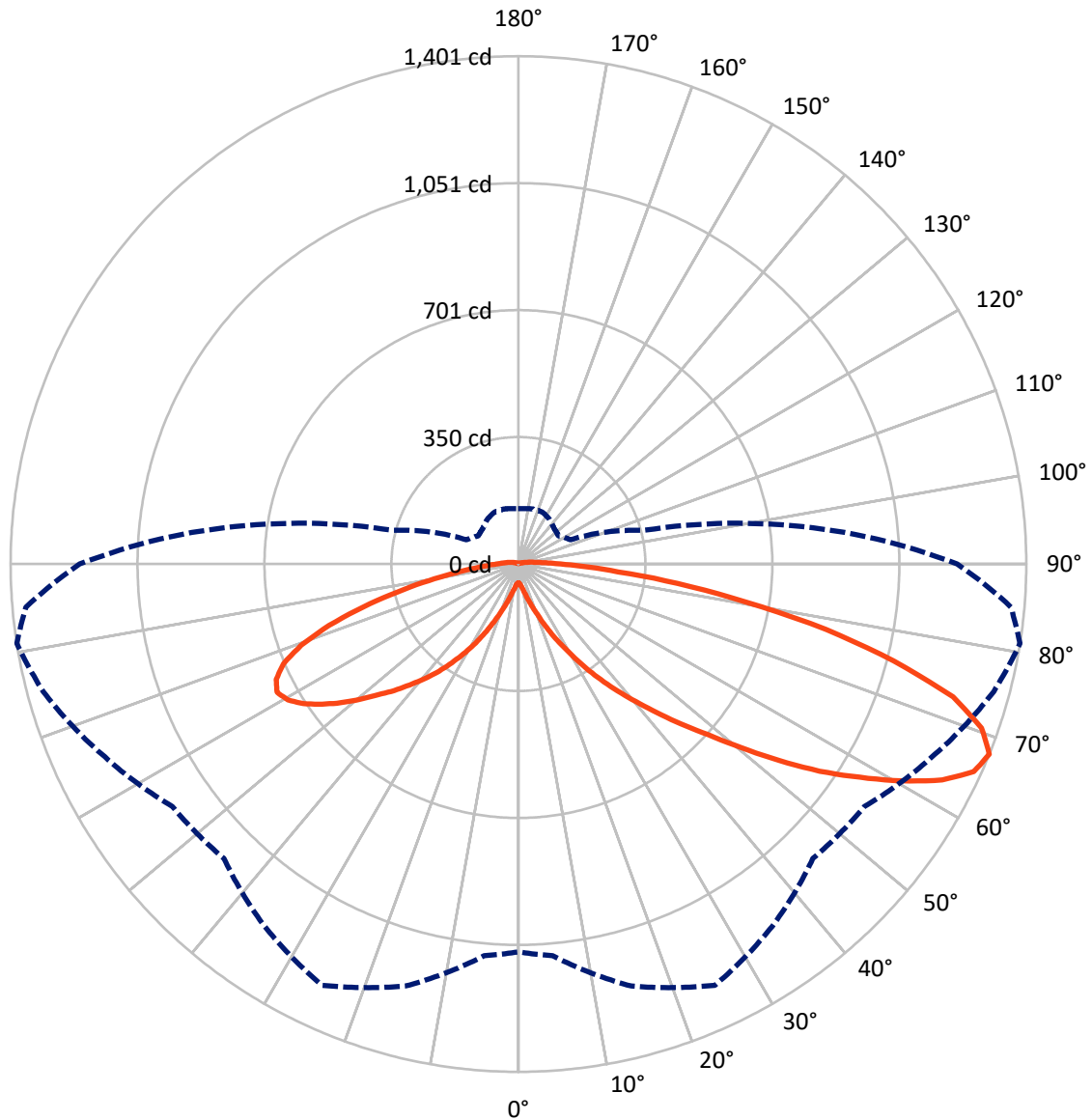


Based on 25 foot mounting height. Maximum calculated value = 0.5 fc  
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P414913

CATALOG NUMBER: LXF.LXT-PA1-30-830-U-T4W-TL

### Luminous Intensity Polar Plot



— Vertical Plane Through 81-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P414913

CATALOG NUMBER: LXF.LXT-PA1-30-830-U-T4W-TL

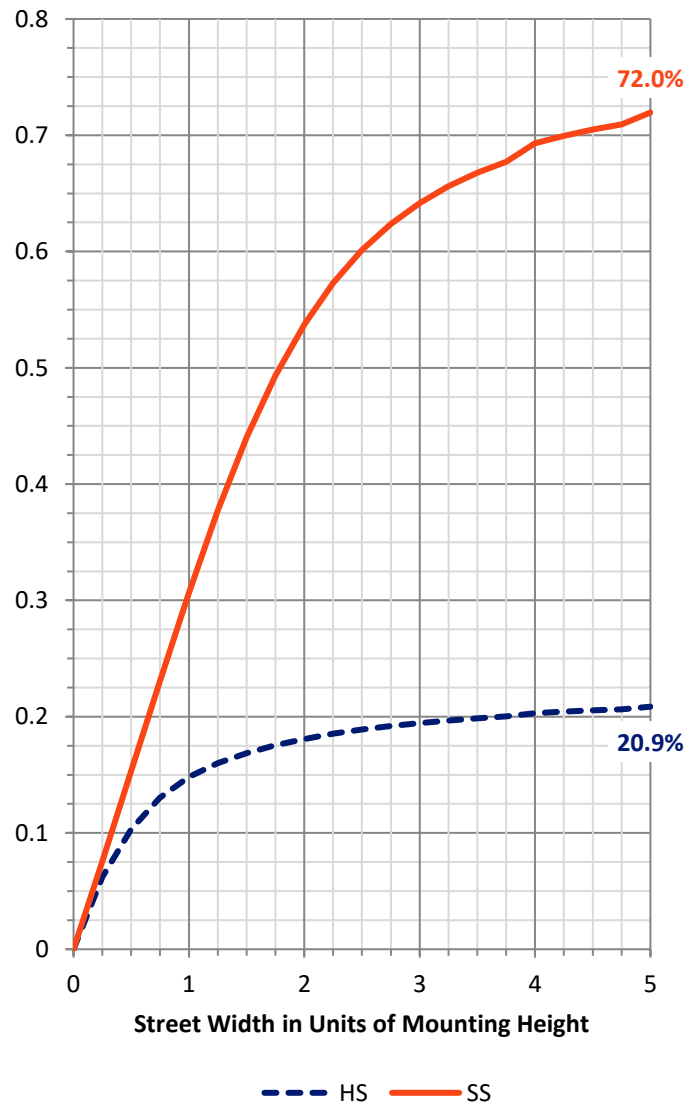
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	633.3	45.0	678.3
	% Fixture	21.9	1.6	23.4
<b>Street Side</b>	Lumens	2158.1	56.6	2214.7
	% Fixture	74.6	2.0	76.6
<b>Total</b>	Lumens	2791.3	101.7	2893.0
	% Fixture	96.5	3.5	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	6.0	0.2
10°-20°	29.9	1.0
20°-30°	89.1	3.1
30°-40°	193.4	6.7
40°-50°	339.1	11.7
50°-60°	537.4	18.6
60°-70°	725.2	25.1
70°-80°	622.3	21.5
80°-90°	248.9	8.6
90°-100°	60.6	2.1
100°-110°	21.3	0.7
110°-120°	9.7	0.3
120°-130°	5.3	0.2
130°-140°	3.0	0.1
140°-150°	1.4	0.0
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2791.3	96.5
0°-180°	2893.0	100.0



REPORT NUMBER: P414913

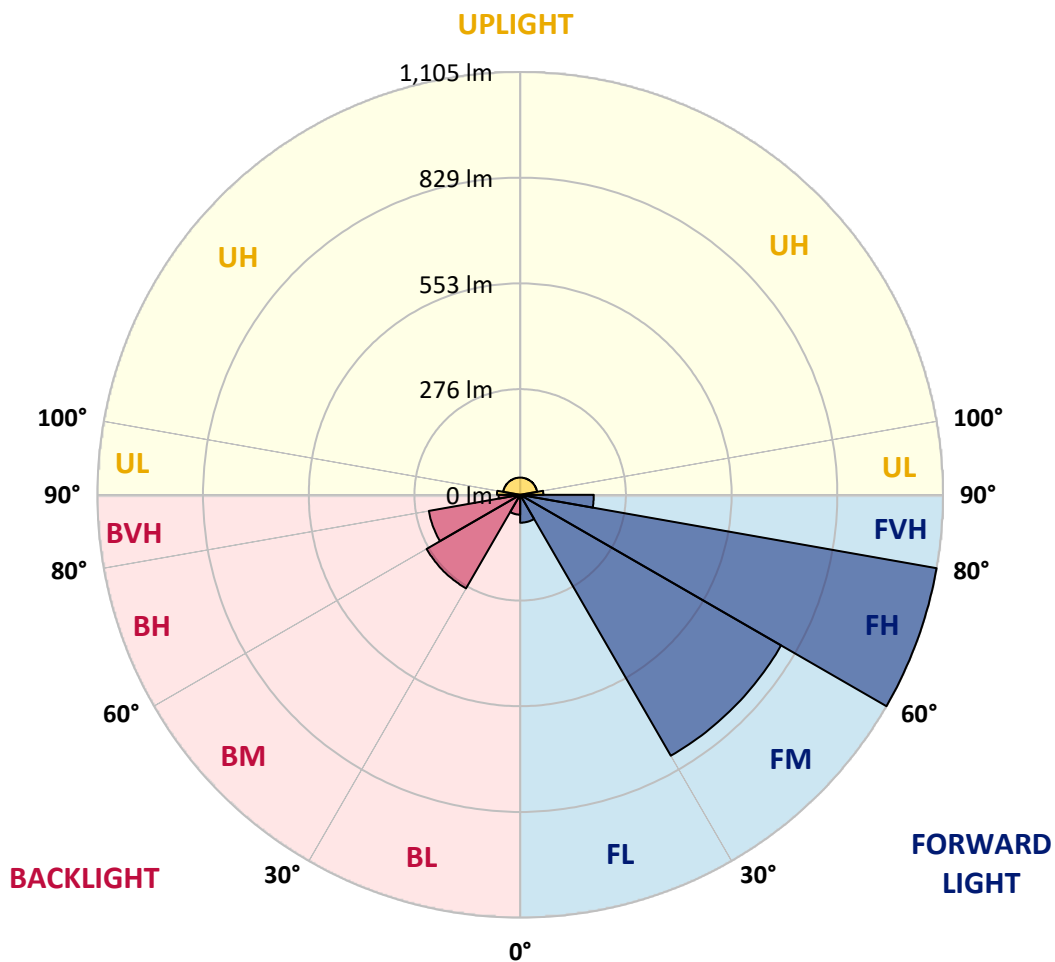
CATALOG NUMBER: LXF.LXT-PA1-30-830-U-T4W-TL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	73.0	2.5			
FM	(30°-60°)	787.4	27.2			
FH	(60°-80°)	1105.2	38.2			G1/1800
FVH	(80°-90°)	192.4	6.7			G2/225
BL	(0°-30°)	51.9	1.8	B0/110		
BM	(30°-60°)	282.5	9.8	B1/1000		
BH	(60°-80°)	242.3	8.4	B1/500		G1/500
BVH	(80°-90°)	56.5	2.0			G1/100
UL	(90°-100°)	60.6	2.1		U3/500	
UH	(100°-180°)	45.0	1.6		U2/50	

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

Type IV Medium





REPORT NUMBER: P414913

CATALOG NUMBER: LXF.LXT-PA1-30-830-U-T4W-TL

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
0°	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
2.5°	56.8	56.4	56.4	56.8	56.8	56.8	55.8	54.8	53.8	53.4	53.1
5°	64.5	63.8	63.8	63.8	63.5	62.5	61.2	59.8	58.5	57.8	57.1
7.5°	74.6	74.3	73.9	72.9	72.6	70.9	68.9	66.9	64.8	64.2	63.5
10°	88.4	88.0	86.4	86.0	84.3	82.7	79.6	76.6	73.9	72.9	71.9
12.5°	105.8	105.8	103.5	100.8	98.8	95.4	92.7	89.0	87.0	85.7	84.3
15°	128.7	127.3	124.3	121.3	115.9	111.9	107.9	105.8	104.5	102.8	100.8
17.5°	153.9	152.2	149.5	143.5	136.4	130.7	127.0	125.0	124.3	123.3	121.0
20°	184.1	182.1	178.4	169.0	161.3	153.5	149.2	148.2	148.8	147.2	144.8
22.5°	220.1	218.7	211.0	199.2	188.5	177.7	173.7	174.4	175.7	178.1	176.7
25°	261.1	257.7	250.3	233.5	215.7	205.3	201.3	204.3	210.3	213.7	211.0
27.5°	308.8	306.8	292.0	270.1	247.0	232.8	229.8	238.6	249.0	251.7	251.7
30°	359.2	360.5	339.0	313.1	283.9	264.4	260.7	273.2	291.0	292.7	297.0
32.5°	423.0	420.7	398.2	355.8	321.2	296.0	293.7	311.1	333.6	342.4	342.4
35°	489.9	487.5	460.0	409.9	361.9	329.3	331.0	349.4	380.0	391.1	392.8
37.5°	566.8	559.1	529.2	467.0	406.2	367.9	364.9	392.8	428.7	444.5	444.5
40°	651.5	647.1	605.5	531.9	451.6	407.9	405.5	437.8	481.5	499.0	502.3
42.5°	733.8	728.1	689.5	594.7	504.0	450.2	450.6	485.8	535.9	560.1	564.5
45°	820.8	815.5	773.1	672.0	560.8	502.6	498.6	542.6	602.4	629.3	634.4
47.5°	898.1	894.4	857.8	748.9	631.3	558.8	553.4	604.1	673.3	703.2	718.4
50°	982.1	977.4	943.1	830.9	701.6	618.6	618.2	672.7	759.3	795.6	808.1
52.5°	1050.3	1044.9	1021.1	913.2	771.1	688.5	682.7	749.6	848.4	900.5	906.5
55°	1113.2	1111.1	1103.1	1001.6	855.8	757.0	760.7	840.0	949.9	1008.7	1017.7
57.5°	1158.5	1161.2	1164.9	1090.3	938.8	833.6	840.3	930.7	1055.4	1110.1	1122.6
60°	1189.4	1198.8	1223.4	1167.6	1023.4	917.3	928.7	1020.4	1156.8	1215.3	1225.4
62.5°	1191.8	1201.9	1259.0	1239.8	1104.8	1002.9	1016.0	1112.8	1247.5	1312.4	1313.4
65°	1147.1	1160.9	1252.3	1278.8	1176.3	1084.9	1096.7	1195.1	1323.5	1380.9	1360.1
67.5°	1070.1	1084.6	1205.5	1282.2	1220.7	1148.8	1165.6	1259.0	1357.8	1401.1	1364.1
70°	958.6	972.7	1100.0	1231.4	1228.7	1186.4	1208.6	1285.2	1351.4	1355.7	1303.7
72.5°	812.1	810.8	948.2	1120.5	1184.0	1183.4	1218.7	1265.4	1278.5	1253.9	1176.7
75°	621.9	639.4	764.7	960.3	1082.2	1130.0	1165.6	1183.4	1145.7	1069.8	986.1
77.5°	445.5	460.0	573.9	757.0	931.0	1019.1	1058.4	1050.0	956.6	867.5	771.4
80°	295.0	303.4	398.5	565.1	750.6	852.8	900.1	867.9	749.3	635.4	552.4
82.5°	177.1	190.8	250.7	397.1	556.7	674.0	702.9	649.1	534.9	442.2	381.4
85°	107.2	110.2	155.9	254.0	388.7	484.8	512.4	454.6	351.8	276.2	229.1
87.5°	60.1	65.5	96.4	165.3	261.4	336.7	346.4	299.4	220.7	171.4	143.5
90°	35.3	39.0	59.1	102.5	166.7	217.7	220.4	181.1	130.7	103.2	91.7
92.5°	22.5	25.2	39.3	65.9	107.2	141.5	137.8	111.9	83.7	68.9	59.5
95°	16.1	17.5	27.6	45.4	71.9	89.0	87.7	70.2	56.1	48.0	43.7
97.5°	12.1	13.4	21.5	33.3	48.4	59.8	58.5	46.7	39.0	35.3	33.6
100°	10.1	10.8	17.5	26.2	36.0	43.0	42.3	34.6	29.2	26.5	25.9
102.5°	8.7	9.4	14.4	21.2	28.6	33.3	31.9	26.9	22.2	19.8	19.2
105°	7.7	8.1	12.4	18.1	23.5	26.2	25.9	21.5	17.1	14.8	14.4
107.5°	7.1	7.4	10.8	15.5	19.8	22.2	21.5	17.5	13.1	11.4	11.1
110°	6.4	6.7	9.4	13.4	16.8	18.8	17.8	14.4	10.4	8.7	8.7



REPORT NUMBER: P414913

CATALOG NUMBER: LXF.LXT-PA1-30-830-U-T4W-TL

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
112.5°	6.0	6.0	8.4	11.4	14.4	16.1	15.1	11.8	8.1	7.1	7.4
115°	5.7	5.7	7.4	10.1	12.8	14.1	12.8	9.7	6.7	6.0	6.0
117.5°	5.4	5.4	6.7	9.1	11.4	12.4	11.1	8.4	5.7	5.0	5.4
120°	5.0	5.4	6.4	8.1	10.1	10.8	9.7	7.1	4.7	4.7	5.0
122.5°	5.0	5.0	6.0	7.4	9.1	9.4	8.4	6.0	4.4	4.4	4.4
125°	5.0	5.0	5.7	6.7	8.1	8.4	7.1	5.0	4.0	4.0	4.0
127.5°	5.0	5.0	5.4	6.4	7.1	7.4	6.4	4.7	3.7	3.7	4.0
130°	4.7	5.0	5.0	5.7	6.4	6.4	5.4	4.0	3.4	3.4	3.7
132.5°	4.7	4.7	5.0	5.4	5.7	5.7	4.7	3.7	3.0	3.4	3.4
135°	4.7	4.7	4.7	5.0	5.4	5.0	4.0	3.0	2.7	3.0	3.0
137.5°	4.4	4.4	4.4	4.7	4.7	4.4	3.7	2.7	2.7	2.7	2.7
140°	4.0	4.0	4.0	4.0	4.4	4.0	3.0	2.4	2.4	2.4	2.4
142.5°	3.7	3.7	3.7	3.7	3.7	3.4	2.7	2.0	2.0	2.0	2.0
145°	3.4	3.4	3.4	3.4	3.0	2.7	2.0	1.7	1.7	2.0	2.0
147.5°	2.7	2.7	2.7	2.7	2.7	2.4	1.7	1.3	1.7	1.7	1.7
150°	2.4	2.4	2.4	2.4	2.0	2.0	1.3	1.3	1.3	1.7	1.7
152.5°	1.7	1.7	1.7	2.0	1.7	1.3	1.0	1.0	1.3	1.3	1.3
155°	1.3	1.3	1.3	1.3	1.3	1.0	0.7	1.0	1.3	1.3	1.3
157.5°	0.7	1.0	1.0	1.0	1.0	1.0	0.7	1.0	1.0	1.0	1.0
160°	0.3	0.3	0.7	0.7	1.0	1.0	0.7	0.7	1.0	1.0	1.0
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





REPORT NUMBER: P414913

CATALOG NUMBER: LXF.LXT-PA1-30-830-U-T4W-TL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
2.5°	53.1	52.8	52.4	52.1	51.7	51.7	51.4	51.1	50.7	50.4	50.4
5°	56.8	56.1	55.1	54.4	53.8	53.8	53.1	52.8	52.1	51.7	51.7
7.5°	62.5	62.2	60.1	59.1	58.1	57.8	57.1	56.4	55.8	55.8	55.8
10°	70.9	69.9	68.2	65.5	64.5	63.8	62.8	62.2	62.2	62.5	62.5
12.5°	83.7	81.0	78.6	74.9	72.9	71.6	70.9	71.2	72.9	73.6	72.9
15°	98.4	97.8	92.1	86.7	82.7	80.0	81.6	83.7	86.0	86.7	87.7
17.5°	118.9	116.6	108.9	101.1	93.7	92.4	94.4	97.8	100.5	102.5	104.2
20°	143.5	139.4	130.0	116.6	108.2	106.2	107.5	112.2	117.3	121.3	121.6
22.5°	174.4	168.3	151.5	134.7	122.3	118.9	120.6	128.0	135.4	140.4	140.1
25°	208.0	200.6	178.1	153.9	136.7	130.7	133.7	143.5	153.9	159.9	160.6
27.5°	245.6	238.2	207.0	172.4	149.9	140.8	145.8	156.9	171.0	178.4	179.8
30°	290.0	279.9	235.9	192.2	161.9	150.2	154.9	169.3	184.8	195.2	196.6
32.5°	336.0	320.2	264.8	208.3	170.3	156.2	161.6	178.4	196.2	207.6	209.7
35°	383.7	364.2	294.0	222.1	176.4	159.9	165.3	184.1	202.9	215.4	217.1
37.5°	437.5	411.6	320.5	232.5	179.8	160.9	166.3	185.1	204.3	216.4	218.1
40°	491.6	457.0	342.7	238.9	180.1	159.9	164.3	182.4	200.6	211.0	212.7
42.5°	549.7	504.7	364.9	240.6	178.4	157.2	160.9	177.1	192.5	200.6	201.6
45°	614.9	559.8	383.7	239.2	173.7	153.2	155.9	169.7	181.8	185.5	187.1
47.5°	683.7	614.2	398.2	235.2	169.0	148.8	150.5	161.9	169.7	170.0	170.3
50°	767.7	680.4	416.0	229.5	162.6	144.8	145.8	154.9	158.6	156.9	156.2
52.5°	859.8	751.3	427.4	220.4	156.9	141.1	142.1	149.2	150.5	146.8	147.2
55°	959.9	817.5	437.1	211.7	150.9	138.8	140.8	146.5	146.5	141.8	141.5
57.5°	1053.3	885.0	441.5	200.6	145.8	137.1	140.4	146.2	145.5	141.1	140.8
60°	1143.7	940.1	436.1	189.8	142.5	136.4	142.5	148.5	147.8	144.1	143.8
62.5°	1206.2	974.7	422.7	179.1	139.4	137.4	144.8	151.9	151.9	147.8	147.8
65°	1233.1	970.7	395.1	168.3	137.1	138.1	148.2	155.6	154.9	151.5	150.9
67.5°	1210.6	934.1	358.2	157.9	135.1	138.8	149.9	157.6	156.9	153.2	152.5
70°	1138.4	857.1	313.5	148.5	132.4	137.8	150.5	157.2	156.2	152.9	151.5
72.5°	994.5	737.5	266.8	139.4	128.3	135.4	148.5	154.6	153.5	150.9	149.2
75°	819.2	594.7	220.4	129.4	123.3	131.0	144.1	149.5	148.2	145.8	144.1
77.5°	626.3	449.2	182.1	120.0	117.3	125.3	138.1	142.1	140.8	138.8	137.8
80°	443.2	319.9	146.5	109.5	108.5	116.6	127.3	131.7	131.0	129.0	127.3
82.5°	291.6	212.7	116.9	97.8	98.4	106.8	114.9	117.3	116.9	115.2	113.2
85°	179.8	140.1	92.1	84.3	87.4	94.1	100.8	101.1	100.1	99.8	96.8
87.5°	114.6	95.8	72.2	71.6	75.9	81.6	84.7	83.3	84.0	84.0	81.6
90°	74.6	67.2	57.8	59.8	64.5	68.9	70.2	66.5	68.5	67.5	66.5
92.5°	54.1	50.1	47.0	49.7	54.4	58.5	57.8	53.8	54.8	54.8	54.4
95°	41.0	39.0	39.3	42.0	45.7	48.4	47.0	43.7	44.0	43.3	42.3
97.5°	32.3	31.9	33.3	35.3	38.6	40.3	39.0	36.0	35.6	34.6	34.3
100°	25.5	25.9	27.9	30.2	32.3	33.6	32.6	29.6	28.2	26.5	26.2
102.5°	19.8	20.5	23.2	25.2	27.2	28.2	27.2	24.9	22.5	20.8	20.5
105°	15.5	16.1	19.2	21.2	22.8	23.5	22.8	20.2	17.8	15.8	15.8
107.5°	12.1	12.8	15.8	18.1	19.2	19.8	18.8	16.8	14.1	12.4	12.4
110°	9.7	10.4	13.1	15.1	16.1	16.8	15.8	13.4	11.4	10.1	10.1



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CATALOG NUMBER: LXF.LXT-PA1-30-830-U-T4W-TL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	7.7	8.7	10.8	12.8	13.8	14.1	13.1	11.4	9.1	8.4	8.4
115°	6.7	7.4	9.1	10.8	11.8	11.8	11.1	9.4	7.4	7.1	7.1
117.5°	5.7	6.4	7.7	9.4	10.1	10.1	9.4	7.7	6.4	6.0	6.0
120°	5.4	5.7	6.7	8.1	8.7	8.7	8.1	6.7	5.4	5.4	5.4
122.5°	4.7	5.0	6.0	7.1	7.7	7.7	7.1	5.7	4.7	5.0	5.0
125°	4.4	4.7	5.4	6.0	6.7	6.7	6.0	5.0	4.4	4.4	4.4
127.5°	4.0	4.4	4.7	5.4	5.7	5.7	5.4	4.4	4.0	4.0	4.0
130°	3.7	4.0	4.4	4.7	5.0	5.0	4.4	3.7	3.7	3.7	3.7
132.5°	3.7	3.7	3.7	4.0	4.4	4.4	4.0	3.4	3.4	3.4	3.4
135°	3.4	3.4	3.4	3.4	3.7	3.7	3.4	3.0	3.0	3.0	3.0
137.5°	3.0	3.0	3.0	3.0	3.4	3.4	3.0	2.7	2.7	2.7	2.7
140°	2.7	2.7	2.7	2.4	2.7	2.7	2.4	2.4	2.4	2.4	2.4
142.5°	2.0	2.4	2.0	2.0	2.0	2.0	2.0	1.7	2.0	2.0	2.0
145°	2.0	2.0	2.0	1.7	1.7	1.7	1.7	1.3	1.7	1.7	1.7
147.5°	1.7	1.7	1.7	1.3	1.0	1.3	1.0	1.3	1.3	1.3	1.3
150°	1.7	1.7	1.3	1.3	1.0	0.7	0.7	1.0	1.0	1.0	1.0
152.5°	1.3	1.3	1.3	1.0	0.7	0.3	0.3	0.7	0.7	0.7	0.7
155°	1.3	1.3	1.0	1.0	0.7	0.3	0.3	0.3	0.3	0.3	0.3
157.5°	1.0	1.0	1.0	0.7	0.7	0.3	0.0	0.3	0.0	0.0	0.0
160°	1.0	1.0	1.0	0.7	0.3	0.3	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)