

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: P414612

Luminaire Tested: **LXF.LXT-PA1-30-730-U-SL3-CL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414612  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-14)  
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-SL3-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3373 lumens  
Efficiency: N/A  
Efficacy: 108.8 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type III - Medium - Non-Cutoff  
BUG Rating: B1 - U2 - G2

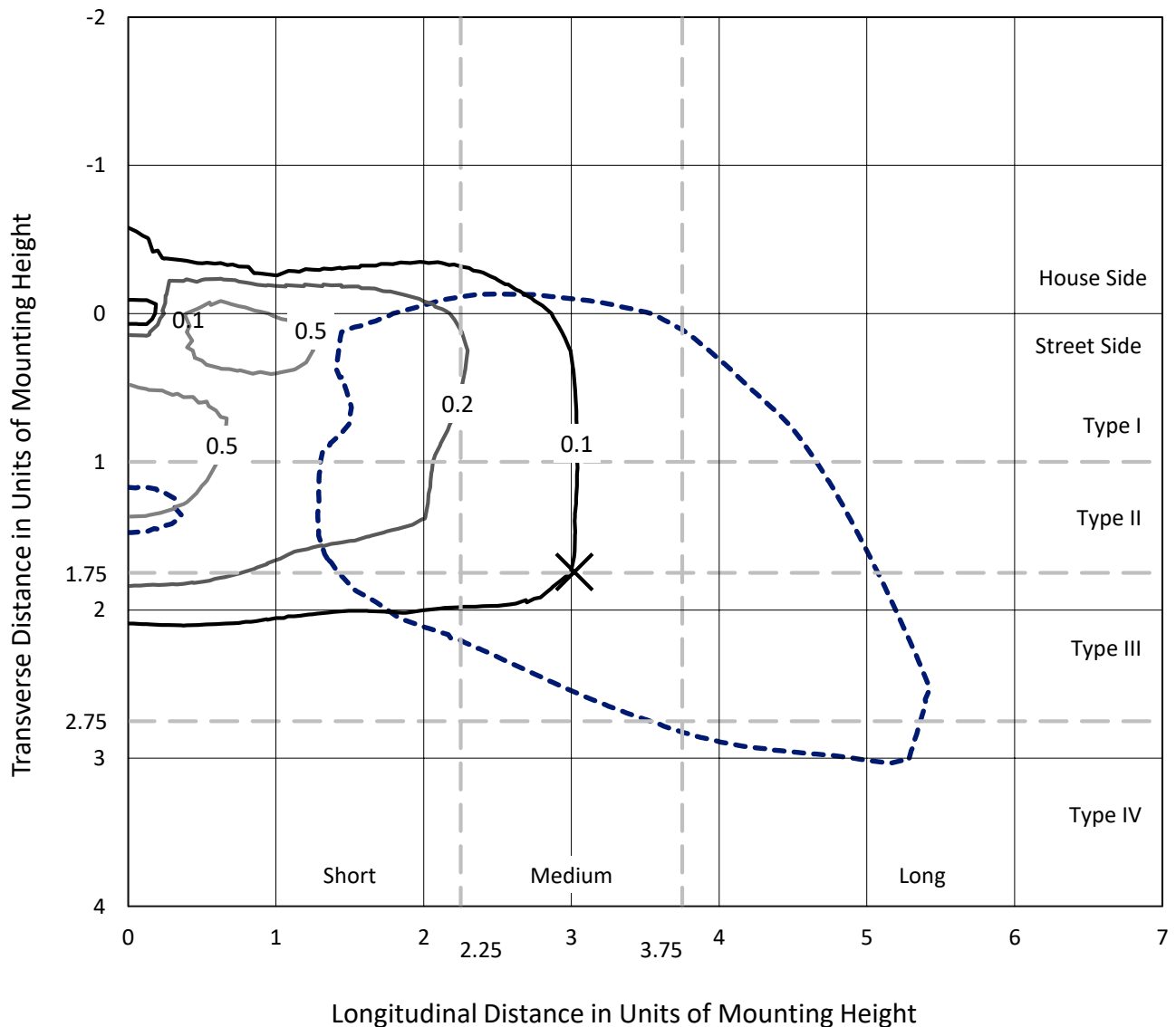
Input Watts (W): 31  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P414612  
 CATALOG NUMBER: LXF.LXT-PA1-30-730-U-SL3-CL

### Iso-Footcandle Lines of Horizontal Illumination

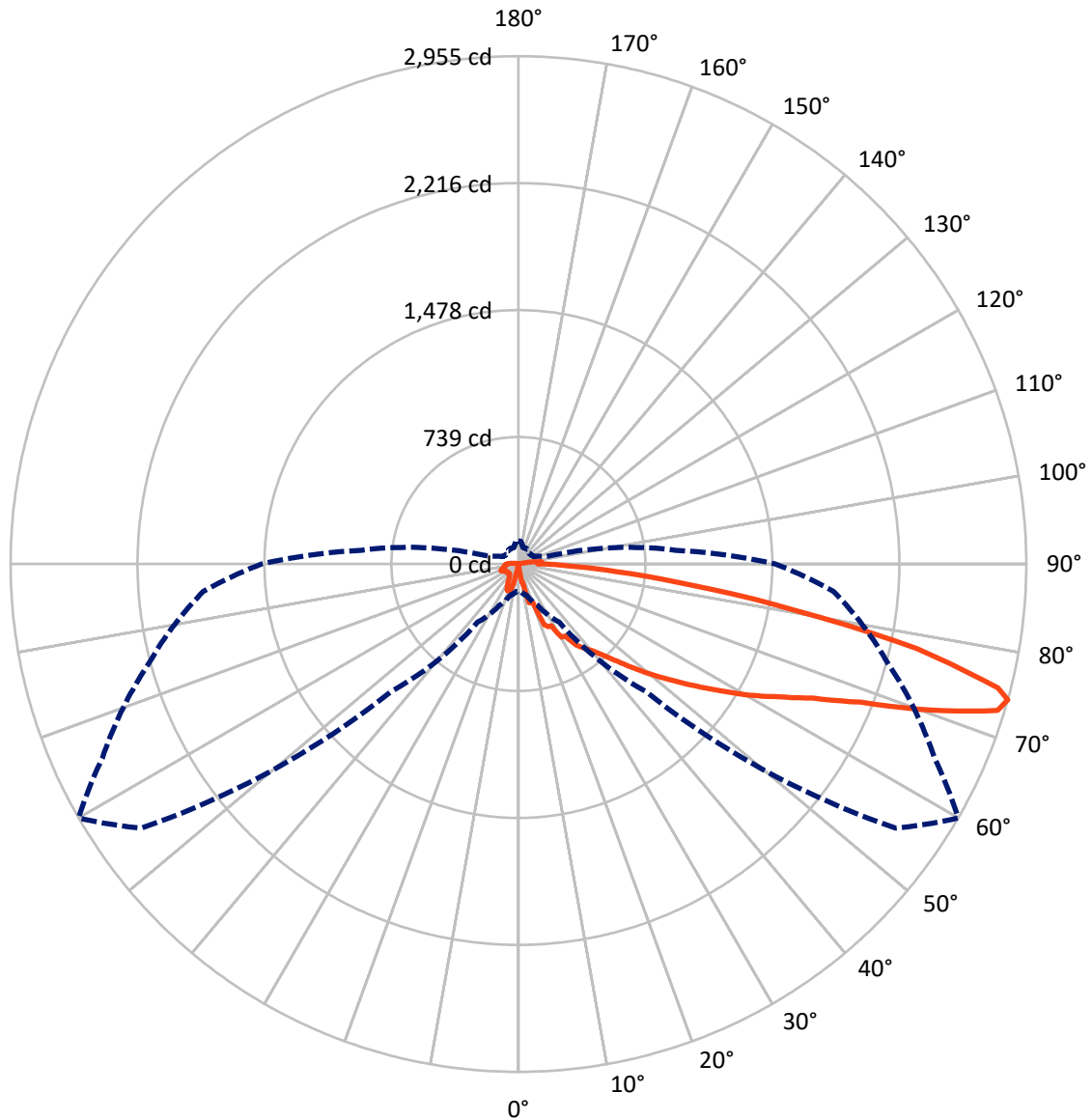
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc  
 Type III - Medium - Non-Cutoff

REPORT NUMBER: P414612  
CATALOG NUMBER: LXF.LXT-PA1-30-730-U-SL3-CL

### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral      - - - Horizontal Cone Through 74-Deg Vertical

REPORT NUMBER: P414612

CATALOG NUMBER: LXF.LXT-PA1-30-730-U-SL3-CL

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	517.6	32.8	550.4
	% Fixture	15.3	1.0	16.3
<b>Street Side</b>	Lumens	2787.4	35.1	2822.6
	% Fixture	82.6	1.0	83.7
<b>Total</b>	Lumens	3305.1	67.9	3373.0
	% Fixture	98.0	2.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3.7	0.1
10°-20°	43.1	1.3
20°-30°	130.4	3.9
30°-40°	261.1	7.7
40°-50°	447.9	13.3
50°-60°	682.8	20.2
60°-70°	841.3	24.9
70°-80°	703.3	20.9
80°-90°	191.5	5.7
90°-100°	49.5	1.5
100°-110°	8.9	0.3
110°-120°	3.3	0.1
120°-130°	2.5	0.1
130°-140°	1.7	0.1
140°-150°	1.4	0.0
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3305.1	98.0
0°-180°	3373.0	100.0



REPORT NUMBER: P414612

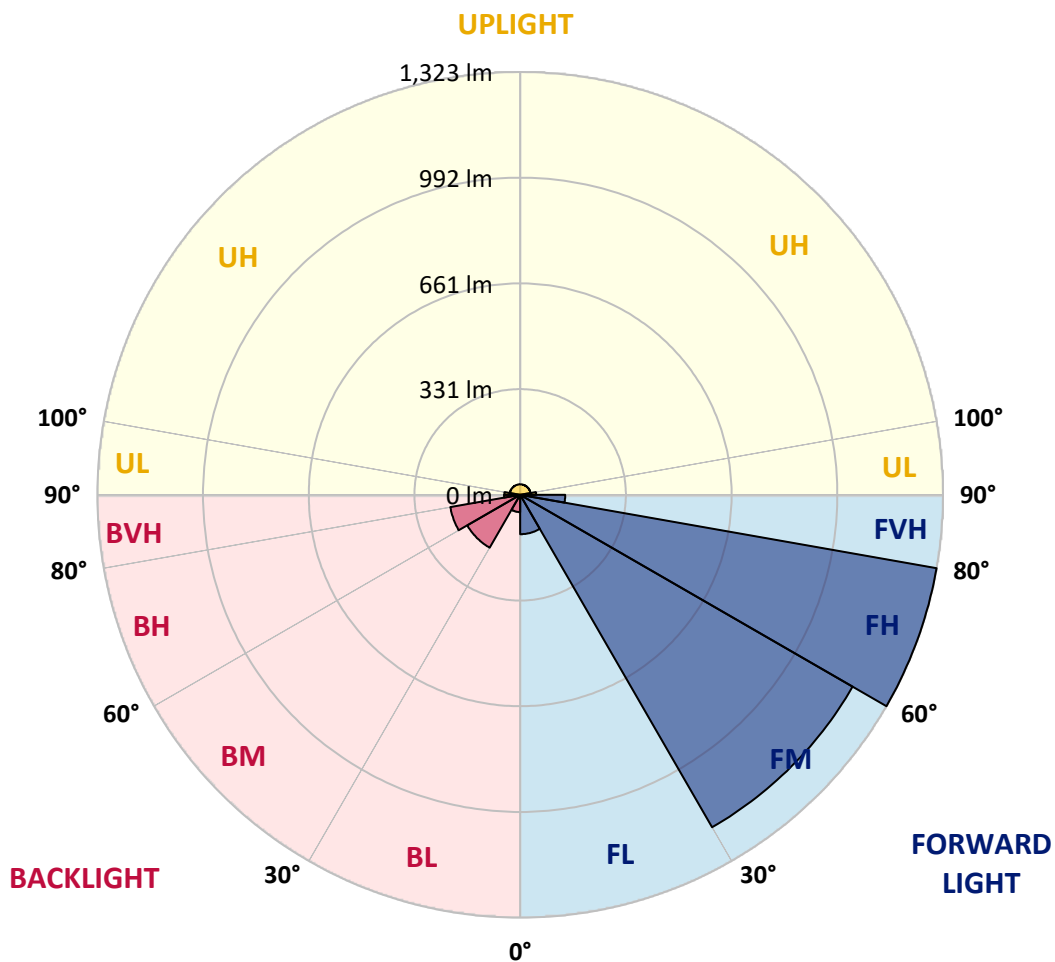
CATALOG NUMBER: LXF.LXT-PA1-30-730-U-SL3-CL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	123.2	3.7			
FM	(30°-60°)	1200.8	35.6			
FH	(60°-80°)	1322.7	39.2			G1/1800
FVH	(80°-90°)	140.8	4.2			G2/225
BL	(0°-30°)	54.1	1.6	B0/110		
BM	(30°-60°)	191.0	5.7	B0/220		
BH	(60°-80°)	221.8	6.6	B1/500		G1/500
BVH	(80°-90°)	50.7	1.5			G1/100
UL	(90°-100°)	49.5	1.5		U2/50	
UH	(100°-180°)	32.8	1.0		U2/50	

**BUG Rating: B1-U2-G2**

Type III Medium





REPORT NUMBER: P414612

CATALOG NUMBER: LXF.LXT-PA1-30-730-U-SL3-CL

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
2.5°	4.2	3.9	3.5	3.9	4.2	3.9	3.1	2.7	2.3	2.3	2.3
5°	112.4	110.9	110.1	85.9	20.4	12.7	5.0	3.5	3.1	2.3	2.3
7.5°	114.0	112.4	112.8	112.4	110.5	110.5	35.8	13.1	7.3	2.7	2.7
10°	120.1	117.8	114.7	114.4	113.6	112.4	110.5	108.2	24.6	4.2	3.9
12.5°	221.8	220.6	219.1	169.0	122.4	114.0	112.8	110.1	84.7	16.2	74.7
15°	220.2	219.9	217.2	218.3	217.9	124.0	140.5	234.5	225.2	163.3	188.3
17.5°	231.0	229.9	221.8	216.8	217.2	247.6	229.9	231.4	232.2	206.4	201.8
20°	313.4	311.5	310.7	301.9	220.6	290.7	296.5	240.3	246.0	320.4	358.1
22.5°	317.3	314.6	311.5	309.2	348.1	289.6	313.4	382.7	365.4	423.9	399.7
25°	428.6	421.2	390.8	316.5	347.7	333.4	405.4	403.5	382.0	442.4	427.4
27.5°	464.0	459.0	436.6	419.7	354.6	399.3	403.1	407.4	480.5	610.3	568.7
30°	621.5	582.6	482.1	471.7	423.2	402.8	460.9	494.0	540.6	613.0	601.4
32.5°	711.6	692.7	644.2	569.9	495.5	440.5	499.8	499.8	543.3	740.8	760.5
35°	857.5	796.6	701.9	651.5	565.2	527.1	515.2	580.3	642.2	778.2	777.0
37.5°	910.2	904.5	869.0	714.3	664.6	573.3	600.7	620.7	673.1	832.1	829.8
40°	939.1	951.8	954.5	849.8	738.1	662.3	652.6	663.8	714.3	907.9	878.7
42.5°	1036.9	1041.5	1055.8	936.4	848.2	759.3	732.3	727.7	762.8	996.1	943.3
45°	1194.8	1197.1	1186.7	1036.1	938.0	855.6	825.5	807.8	838.6	1083.5	1025.4
47.5°	1375.7	1381.1	1331.1	1149.0	1019.6	948.4	932.2	904.8	924.5	1162.4	1127.4
50°	1519.8	1518.2	1428.9	1240.2	1102.0	1043.5	1038.5	1013.0	1015.4	1258.3	1237.5
52.5°	1557.1	1554.8	1478.6	1307.6	1177.1	1142.4	1165.1	1125.9	1105.5	1357.7	1351.9
55°	1500.9	1505.1	1469.3	1335.7	1224.8	1229.4	1288.3	1254.5	1226.7	1451.6	1460.8
57.5°	1419.6	1414.6	1420.0	1346.5	1262.2	1314.5	1435.0	1392.7	1366.1	1557.9	1568.3
60°	1269.1	1262.2	1331.9	1334.9	1296.8	1410.8	1591.0	1549.8	1512.4	1669.9	1658.8
62.5°	1040.0	1031.1	1157.0	1264.1	1336.5	1523.6	1745.0	1700.3	1664.1	1788.9	1767.7
65°	692.3	734.3	881.7	1109.3	1321.8	1686.1	1948.7	1881.7	1815.9	1911.0	1907.1
67.5°	401.6	431.6	539.8	788.9	1201.3	1825.1	2271.7	2144.7	2031.1	2049.2	2040.3
70°	249.1	258.4	305.3	455.1	846.7	1779.3	2629.8	2547.8	2307.2	2203.2	2061.1
72.5°	193.3	199.5	226.4	297.3	514.8	1376.1	2800.0	2915.1	2585.9	2243.6	1958.7
74°	158.3	162.1	190.2	266.1	413.1	1049.2	2679.1	2955.2	2671.4	2224.0	1840.9
75°	125.1	129.0	160.6	255.3	392.7	837.1	2500.1	2880.9	2674.1	2193.6	1698.8
77.5°	76.6	79.3	86.6	176.3	356.9	478.2	1844.7	2371.5	2369.9	1821.6	1218.3
80°	60.8	61.6	64.7	92.8	290.7	433.6	1168.2	1636.8	1624.9	1093.5	624.2
82.5°	42.0	45.0	51.2	60.1	154.8	424.7	736.6	1016.9	877.1	416.2	261.1
85°	28.1	30.4	38.9	44.7	82.8	452.0	528.7	572.2	431.6	206.0	172.1
87.5°	11.6	11.9	17.7	21.6	33.5	216.8	355.8	283.4	198.7	130.5	140.2
90°	6.2	6.2	4.6	5.0	12.3	46.6	116.3	112.8	93.6	107.4	131.7
92.5°	6.9	6.9	4.6	5.0	11.9	36.6	125.9	128.6	107.4	114.4	140.9
95°	7.7	7.7	4.6	4.6	11.6	25.0	120.9	135.9	110.5	120.1	142.1
97.5°	8.5	8.9	4.2	4.2	9.2	18.9	75.9	92.8	72.0	62.4	68.2
100°	8.9	8.9	3.9	3.9	6.2	13.5	35.0	44.7	34.7	16.2	11.2
102.5°	8.9	9.2	3.9	3.5	4.2	8.5	11.2	16.2	12.7	9.6	10.4
105°	8.5	9.2	3.9	3.5	3.5	4.6	5.8	6.5	6.9	6.9	10.8
107.5°	6.5	7.3	3.1	3.5	3.1	3.1	2.3	2.7	3.5	6.2	10.8



REPORT NUMBER: P414612

CATALOG NUMBER: LXF.LXT-PA1-30-730-U-SL3-CL

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	4.6	4.6	2.3	3.1	2.7	3.1	1.9	2.3	3.1	4.6	8.9
112.5°	2.3	1.9	1.5	2.3	2.3	2.7	1.9	1.9	2.7	3.9	6.2
115°	1.5	1.9	1.2	1.5	1.9	1.9	1.5	1.9	2.3	3.9	6.5
117.5°	1.5	1.5	1.2	1.5	1.9	1.5	1.5	1.9	2.3	3.9	6.5
120°	1.9	1.5	1.2	1.5	1.5	1.2	1.5	1.9	1.9	3.9	6.5
122.5°	1.9	1.9	1.5	1.5	1.5	1.2	1.5	1.5	1.9	3.9	6.2
125°	2.3	1.9	1.5	1.5	1.5	1.2	1.5	1.5	1.9	3.5	5.8
127.5°	2.3	2.3	1.5	1.5	1.9	1.2	1.5	1.5	1.9	3.1	5.4
130°	2.3	2.3	1.9	1.5	1.9	1.5	1.5	1.5	1.9	2.7	4.6
132.5°	2.3	2.3	1.9	1.9	1.9	1.5	1.5	1.5	1.5	2.3	3.9
135°	2.7	2.3	1.9	1.9	2.3	1.5	1.5	1.5	1.5	1.9	2.7
137.5°	2.7	2.7	2.3	2.3	2.7	1.9	1.5	1.9	1.9	1.9	2.3
140°	3.1	3.1	3.1	2.7	2.7	1.9	1.9	1.9	1.9	2.3	2.3
142.5°	3.9	3.5	3.5	3.1	2.7	1.9	1.9	1.9	2.3	2.3	2.3
145°	4.2	4.2	3.9	3.5	2.7	1.9	1.9	2.3	2.3	2.7	2.7
147.5°	4.2	4.2	3.9	3.1	2.3	1.5	1.9	2.3	2.3	2.7	3.1
150°	4.2	3.9	3.5	2.7	1.9	1.2	1.5	1.9	2.3	2.7	3.1
152.5°	3.1	3.1	2.7	1.9	1.5	0.8	1.2	1.5	1.9	2.3	2.7
155°	1.9	1.9	1.5	1.2	1.2	0.8	1.2	1.5	1.5	1.9	2.3
157.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.5	1.5
160°	0.4	0.4	0.8	0.4	0.8	0.8	0.8	1.2	1.2	1.2	1.2
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: P414612

CATALOG NUMBER: LXF.LXT-PA1-30-730-U-SL3-CL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
2.5°	2.3	2.3	2.3	1.9	1.9	1.2	1.5	1.5	1.9	2.3	2.7
5°	2.3	2.7	2.3	1.9	1.9	1.5	1.9	1.9	1.9	2.7	2.7
7.5°	2.7	2.7	2.3	2.3	1.9	1.5	2.7	83.2	95.5	98.6	99.3
10°	3.5	3.5	3.1	2.7	2.3	89.7	99.0	99.0	98.2	99.0	99.0
12.5°	76.6	82.4	13.1	6.5	73.9	93.2	90.9	89.3	87.8	86.2	85.5
15°	186.4	180.6	165.6	124.4	114.7	85.5	78.5	109.0	116.3	118.2	117.8
17.5°	196.8	187.5	164.8	172.9	151.7	109.4	98.6	97.8	93.6	93.6	93.9
20°	370.0	348.8	224.9	168.6	131.7	132.5	84.3	75.1	78.5	83.6	86.6
22.5°	380.0	352.3	263.0	219.5	118.6	107.0	82.4	72.8	98.2	108.2	109.0
25°	405.4	361.2	266.4	184.8	134.0	87.8	82.0	75.9	90.1	99.3	98.6
27.5°	549.1	487.1	338.5	170.2	105.9	82.8	77.4	72.8	89.7	104.7	104.3
30°	548.3	480.1	312.7	156.7	87.4	77.0	70.5	79.3	83.6	89.3	89.7
32.5°	711.9	610.3	341.9	130.1	77.4	66.6	69.7	72.4	75.9	90.5	93.6
35°	715.4	596.8	296.9	119.4	71.2	63.5	65.5	71.6	78.9	88.2	88.9
37.5°	729.3	589.9	246.4	98.6	73.2	64.3	68.2	75.1	73.2	85.9	87.4
40°	754.7	591.8	207.2	88.2	72.0	64.3	71.2	72.4	72.8	79.3	80.1
42.5°	794.0	602.2	174.0	83.6	70.8	69.7	68.9	69.3	66.6	79.7	81.2
45°	849.8	623.8	148.6	82.0	70.8	81.2	72.0	69.3	63.5	91.6	98.2
47.5°	932.2	666.1	133.6	82.4	71.2	77.8	71.2	67.4	66.2	107.0	111.7
50°	1025.4	714.6	123.6	83.9	71.2	76.6	70.1	69.3	73.5	108.6	109.7
52.5°	1125.5	779.3	120.1	85.5	76.6	77.8	79.7	79.3	70.8	87.0	87.0
55°	1227.1	846.3	121.3	87.4	80.9	79.7	85.1	75.1	60.8	64.7	63.9
57.5°	1323.0	924.5	129.4	86.2	78.2	78.9	85.9	70.5	60.8	64.7	66.2
60°	1427.0	1009.2	151.7	83.2	77.0	76.6	84.7	74.3	60.8	74.3	74.7
62.5°	1553.6	1125.9	200.2	86.2	83.2	78.9	85.1	82.0	69.7	71.2	72.8
65°	1703.4	1246.4	246.4	98.2	87.8	79.3	83.9	86.2	78.9	76.2	75.9
67.5°	1813.2	1276.0	248.4	114.0	93.9	83.6	84.7	93.9	86.2	87.8	87.0
70°	1785.4	1195.2	215.2	120.5	97.8	87.0	87.0	97.4	90.9	104.3	104.7
72.5°	1649.9	1037.7	181.7	111.7	92.8	88.2	96.6	100.9	96.6	125.5	124.0
74°	1494.3	919.1	167.1	101.7	90.9	87.8	99.3	100.9	99.7	134.0	132.8
75°	1375.0	825.9	159.0	95.9	89.7	86.6	100.1	101.3	100.9	135.1	134.8
77.5°	950.3	557.9	139.0	85.5	87.8	86.6	99.7	103.6	106.3	134.4	133.2
80°	487.5	305.3	115.9	80.9	87.0	88.9	98.6	100.1	104.3	127.1	125.9
82.5°	244.5	176.0	85.1	74.3	88.2	96.6	99.0	97.0	98.2	117.1	115.1
85°	157.5	121.7	56.6	62.4	89.7	104.7	98.6	90.5	92.0	102.0	101.3
87.5°	126.7	90.1	34.7	48.5	95.5	95.9	90.1	80.1	78.2	80.1	78.9
90°	117.1	83.6	29.3	45.8	92.4	80.1	73.5	65.5	58.5	58.9	56.6
92.5°	125.9	87.4	31.2	45.4	73.5	56.2	53.9	49.7	41.2	36.6	34.3
95°	124.0	83.9	31.6	38.5	53.9	32.0	38.1	35.0	25.4	19.3	18.1
97.5°	59.7	42.4	28.1	30.0	31.6	24.3	32.3	29.6	18.5	11.9	11.2
100°	11.2	15.8	25.0	28.5	25.0	18.9	25.4	22.7	10.0	6.2	5.8
102.5°	10.8	8.9	18.9	25.8	15.8	10.8	13.9	12.7	6.5	4.6	4.6
105°	11.2	8.9	8.9	17.7	9.6	5.0	4.2	6.2	4.6	4.6	5.0
107.5°	11.6	8.9	5.4	5.8	4.6	3.9	3.1	3.1	3.5	5.0	5.4



REPORT NUMBER: P414612

CATALOG NUMBER: LXF.LXT-PA1-30-730-U-SL3-CL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	9.2	7.7	5.0	4.6	4.2	3.9	3.1	2.7	3.5	5.4	5.8
112.5°	6.5	6.2	4.6	3.9	3.5	3.5	2.7	2.3	3.5	5.8	6.2
115°	6.5	6.2	3.9	3.5	2.7	3.1	2.7	2.3	3.5	6.5	6.9
117.5°	6.9	5.8	3.9	3.1	2.3	2.3	2.3	2.3	3.9	6.5	6.9
120°	6.9	5.8	3.9	2.7	2.3	1.9	2.3	2.3	3.9	6.5	7.3
122.5°	6.5	5.8	3.5	2.7	2.3	1.9	1.9	1.9	3.5	6.5	6.9
125°	6.2	5.4	3.5	2.7	2.3	1.5	1.9	1.9	3.5	6.2	6.9
127.5°	5.8	5.0	3.5	2.7	1.9	1.5	1.9	1.9	3.5	5.8	6.5
130°	5.0	4.6	3.1	2.3	1.9	1.5	1.9	1.9	3.5	5.4	6.2
132.5°	4.2	3.9	2.7	2.3	1.9	1.5	1.9	1.5	2.7	5.0	5.4
135°	3.1	3.1	2.7	1.9	1.9	1.2	1.5	1.5	2.3	3.9	4.2
137.5°	2.7	2.7	2.3	1.9	1.9	1.2	1.5	1.2	1.9	3.1	3.5
140°	2.7	2.7	2.3	1.9	1.5	1.2	1.2	1.2	1.5	2.7	2.7
142.5°	2.7	2.7	2.3	1.9	1.5	1.2	1.2	1.2	1.5	2.3	2.7
145°	2.7	2.7	2.7	2.3	1.5	1.2	1.2	1.2	1.5	2.3	2.3
147.5°	3.1	3.1	2.7	1.9	1.5	0.8	0.8	1.2	1.5	2.3	2.3
150°	3.1	3.1	2.7	1.9	1.5	0.8	0.4	0.8	1.2	1.9	2.3
152.5°	2.7	2.7	2.3	1.9	1.2	0.8	0.4	0.8	1.2	1.9	1.9
155°	2.3	2.3	1.9	1.5	1.2	0.4	0.0	0.4	0.8	1.5	1.5
157.5°	1.5	1.9	1.5	1.2	0.8	0.4	0.0	0.4	0.4	1.2	1.2
160°	1.5	1.5	1.5	1.2	0.8	0.4	0.0	0.0	0.4	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)