

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: P414829

Luminaire Tested: **LXF.LXT-PA1-30-827-U-T2R-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414829
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-4)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-30-827-U-T2R-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2752.1 lumens
Efficiency: N/A
Efficacy: 88.8 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 - U2 - G1

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

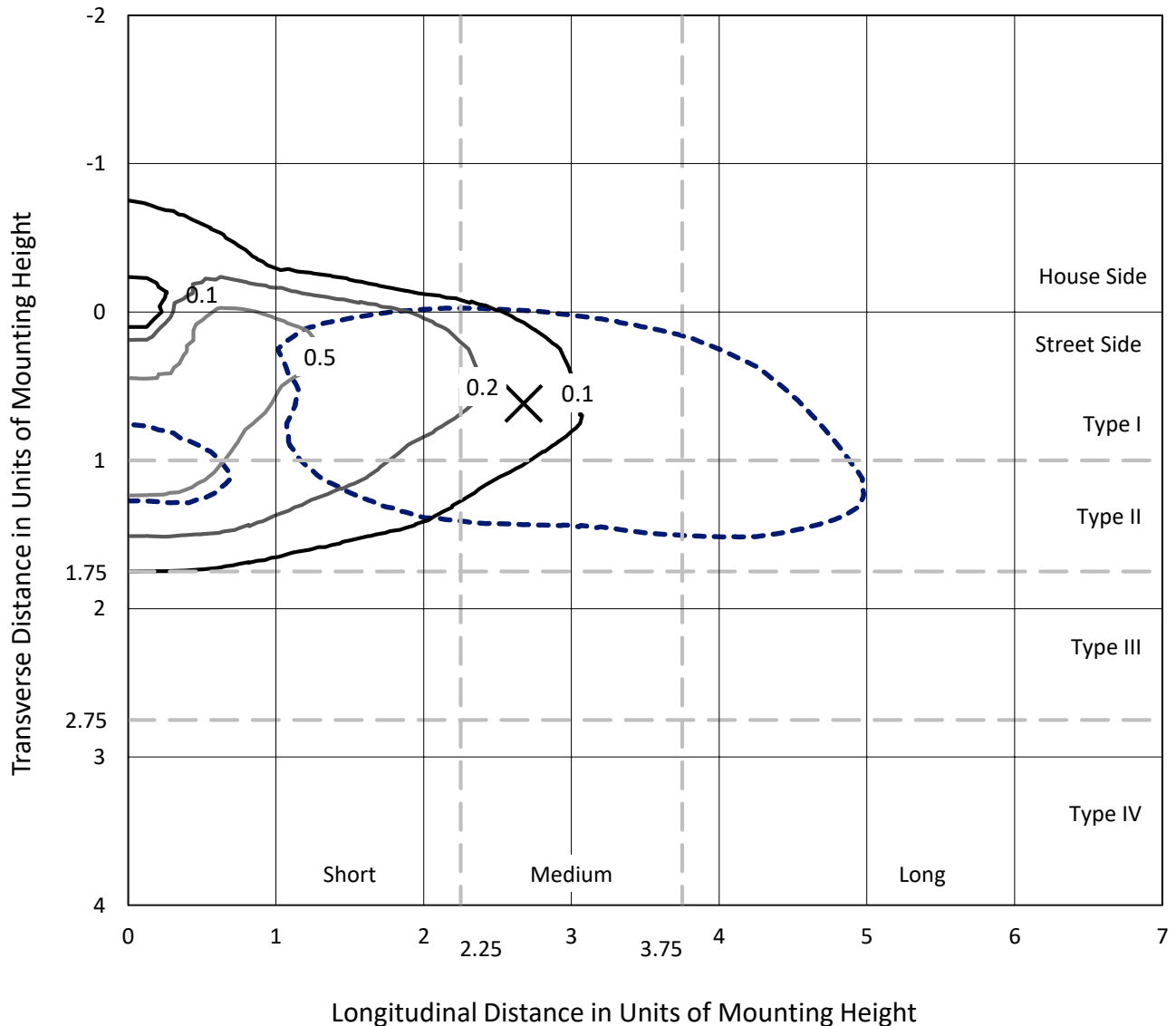


REPORT NUMBER: P414829

CATALOG NUMBER: LXF.LXT-PA1-30-827-U-T2R-CL

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

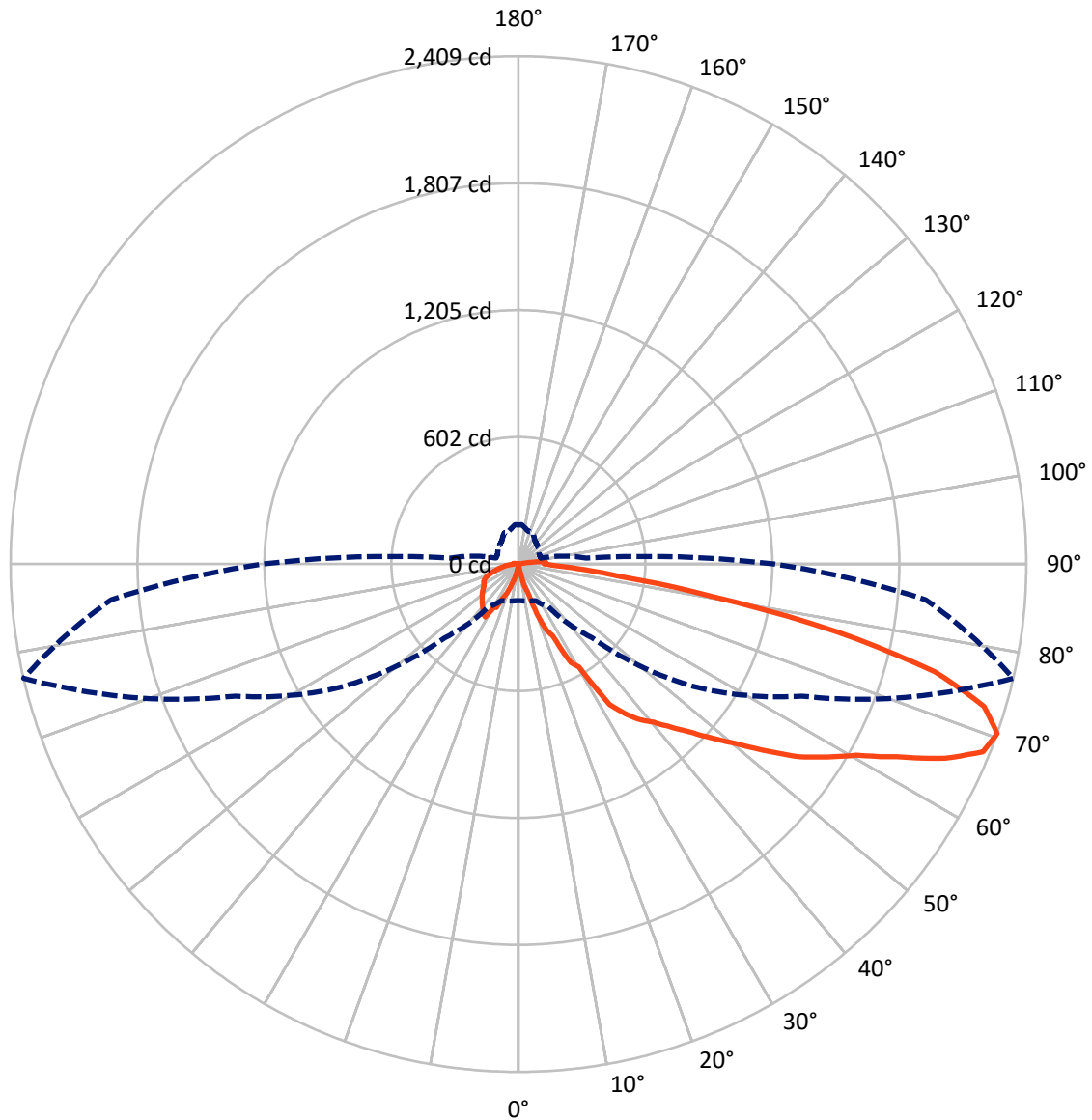


Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type II - Medium - Non-Cutoff

REPORT NUMBER: P414829

CATALOG NUMBER: LXF.LXT-PA1-30-827-U-T2R-CL

Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical



REPORT NUMBER: P414829

CATALOG NUMBER: LXF.LXT-PA1-30-827-U-T2R-CL

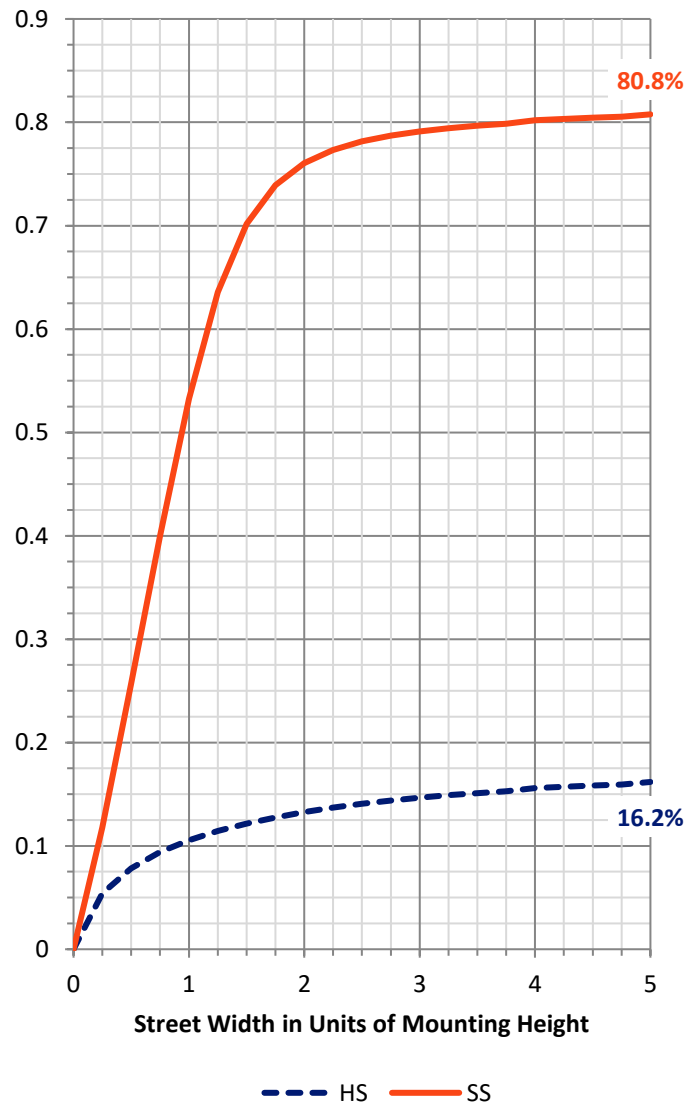
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	465.5	20.4	485.9
	% Fixture	16.9	0.7	17.7
Street Side	Lumens	2240.7	25.5	2266.2
	% Fixture	81.4	0.9	82.3
Total	Lumens	2706.2	45.9	2752.1
	% Fixture	98.3	1.7	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.2	0.1
10°-20°	32.7	1.2
20°-30°	129.7	4.7
30°-40°	313.2	11.4
40°-50°	506.6	18.4
50°-60°	605.9	22.0
60°-70°	592.5	21.5
70°-80°	409.6	14.9
80°-90°	113.7	4.1
90°-100°	29.9	1.1
100°-110°	6.1	0.2
110°-120°	3.3	0.1
120°-130°	2.6	0.1
130°-140°	1.8	0.1
140°-150°	1.5	0.1
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2706.2	98.3
0°-180°	2752.1	100.0



REPORT NUMBER: P414829

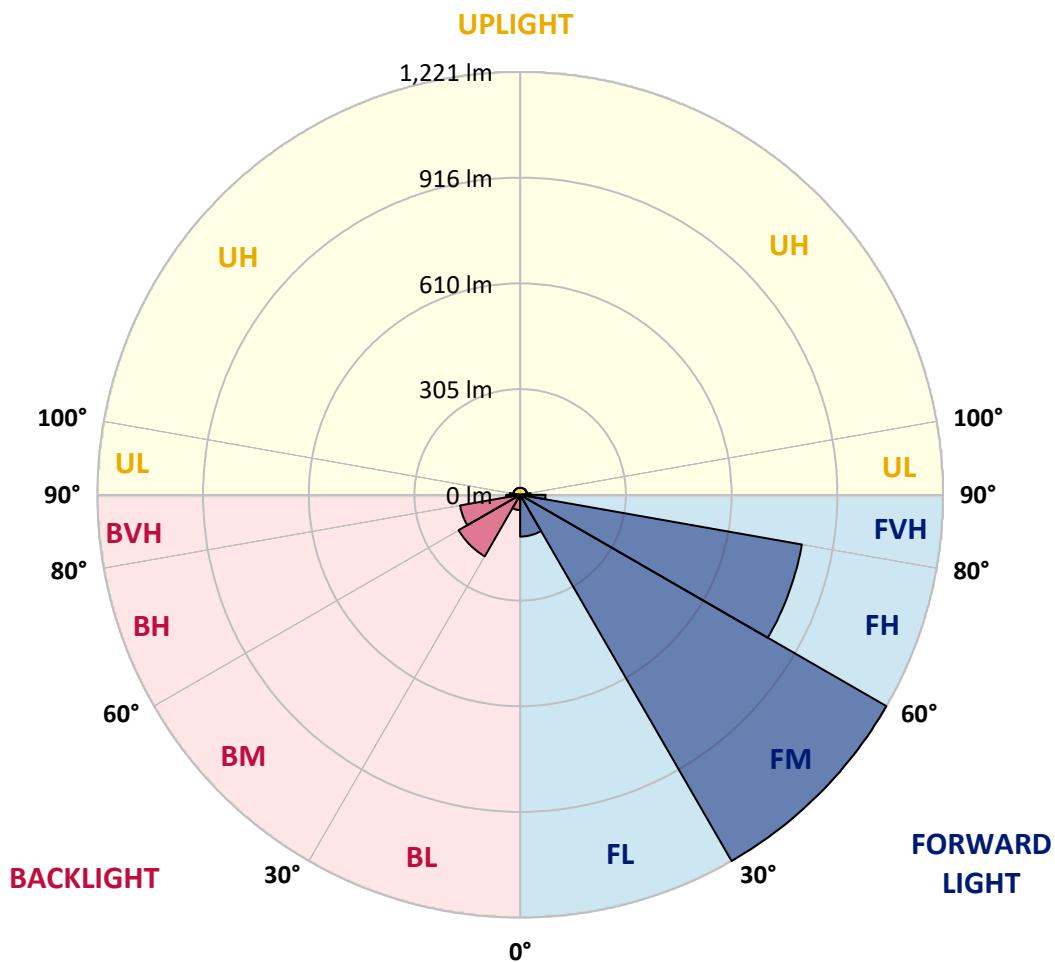
CATALOG NUMBER: LXF.LXT-PA1-30-827-U-T2R-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	120.6	4.4			
FM (30°-60°)	1221.0	44.4			
FH (60°-80°)	825.9	30.0			G1/1800
FVH (80°-90°)	73.2	2.7			G1/100
BL (0°-30°)	44.1	1.6	B0/110		
BM (30°-60°)	204.7	7.4	B0/220		
BH (60°-80°)	176.2	6.4	B1/500		G1/500
BVH (80°-90°)	40.4	1.5			G1/100
UL (90°-100°)	29.9	1.1		U2/50	
UH (100°-180°)	20.4	0.7		U2/50	

BUG Rating: B1-U2-G1

Type II Medium





REPORT NUMBER: P414829

CATALOG NUMBER: LXF.LXT-PA1-30-827-U-T2R-CL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
2.5°	3.4	3.1	3.1	3.4	4.0	3.7	2.8	2.2	1.9	1.9	1.9
5°	67.4	65.3	63.7	45.1	9.9	5.9	3.7	2.8	2.2	2.2	1.9
7.5°	80.5	79.3	78.6	76.5	74.0	69.0	12.4	4.0	2.5	2.5	2.2
10°	91.1	90.1	88.9	87.6	84.2	80.8	74.0	10.3	4.0	4.0	3.4
12.5°	185.6	182.8	180.3	128.1	95.1	91.4	84.9	58.1	44.1	42.6	51.3
15°	190.5	190.5	190.5	192.1	189.3	101.9	138.9	174.1	115.0	111.3	115.0
17.5°	203.0	201.1	198.0	198.9	202.7	225.0	207.3	193.6	153.2	136.1	132.4
20°	303.7	302.1	303.0	281.0	216.0	283.5	281.6	218.2	249.0	252.4	245.9
22.5°	324.2	323.9	322.9	321.7	369.2	300.9	323.9	343.1	347.8	341.0	282.8
25°	460.0	456.6	415.2	350.0	395.7	362.1	432.0	380.4	387.3	375.2	358.4
27.5°	525.6	518.4	511.3	491.7	424.9	483.9	459.7	501.7	562.3	529.9	456.0
30°	693.4	697.5	581.8	575.3	525.6	513.2	562.9	589.6	590.2	566.6	511.9
32.5°	853.8	842.9	815.9	699.6	626.0	574.7	652.7	627.8	772.4	794.7	694.0
35°	1011.1	989.9	910.7	831.7	730.4	708.3	699.3	786.0	840.7	872.8	750.9
37.5°	1235.2	1219.9	1144.1	937.7	842.0	762.4	819.9	836.7	923.7	937.4	828.6
40°	1317.5	1307.3	1244.2	1082.3	929.3	851.0	874.0	897.6	1006.1	987.1	887.1
42.5°	1376.6	1372.9	1322.5	1157.8	1043.1	939.0	936.5	948.6	1090.6	1055.8	945.5
45°	1422.0	1416.7	1386.8	1206.3	1096.9	993.4	1003.9	1011.4	1164.9	1134.5	1012.3
47.5°	1413.3	1415.4	1419.5	1266.6	1128.9	1046.5	1072.9	1065.5	1225.5	1232.7	1087.2
50°	1346.4	1350.8	1380.6	1290.8	1147.2	1090.0	1132.6	1125.8	1310.1	1339.9	1173.6
52.5°	1147.8	1155.0	1265.6	1253.2	1163.4	1124.2	1193.8	1195.4	1408.9	1472.3	1284.0
55°	840.4	867.5	1002.1	1128.6	1145.7	1135.1	1234.9	1283.7	1522.7	1614.1	1382.5
57.5°	676.0	670.4	763.4	947.7	1058.0	1121.7	1278.1	1362.3	1626.5	1727.8	1481.0
60°	524.7	526.5	595.2	727.3	904.5	1088.8	1322.2	1433.2	1754.2	1842.2	1601.6
62.5°	390.7	394.4	444.2	523.1	729.2	996.8	1335.9	1521.7	1931.7	2015.0	1747.4
65°	283.8	290.0	317.0	365.5	526.8	858.8	1294.2	1587.9	2128.4	2223.2	1903.1
67.5°	213.2	216.6	232.5	262.0	376.4	681.6	1191.3	1583.9	2227.3	2376.5	1969.9
70°	173.4	175.0	180.9	191.5	247.1	494.2	1010.8	1482.0	2248.4	2409.1	1938.9
72.5°	147.3	146.7	147.0	148.6	170.6	337.9	780.8	1291.1	2167.6	2310.0	1798.7
75°	125.9	124.9	124.9	123.4	131.8	237.2	537.7	1042.2	1952.8	2041.1	1515.2
77.5°	107.2	105.7	105.4	102.3	106.0	176.5	356.2	776.1	1545.1	1546.6	1074.2
80°	91.4	88.6	87.3	85.2	89.5	134.6	232.5	506.3	945.2	930.0	596.1
82.5°	67.4	67.4	69.3	69.9	77.1	99.8	164.1	301.2	515.9	488.3	345.6
85°	38.9	42.3	50.0	51.0	59.1	66.2	123.4	178.4	288.7	278.5	177.2
87.5°	14.3	13.7	20.8	22.1	24.9	24.9	67.1	97.9	151.4	157.6	139.6
90°	11.8	11.8	8.1	7.5	9.6	16.2	45.4	68.7	113.8	122.1	131.8
92.5°	12.4	12.4	8.1	7.1	9.0	14.3	38.2	65.0	119.4	130.9	136.1
95°	11.8	12.1	7.1	6.5	8.4	12.1	28.6	55.6	114.7	125.6	133.0
97.5°	10.3	10.6	5.9	5.6	7.5	8.7	15.5	27.7	57.2	59.4	61.5
100°	8.4	8.4	4.4	4.7	5.9	5.9	8.1	14.6	14.0	11.5	9.9
102.5°	7.1	7.8	4.0	3.7	4.4	3.7	3.7	5.6	8.4	7.1	9.6
105°	5.9	6.5	3.4	3.1	3.4	3.1	2.5	4.0	6.2	7.1	10.3
107.5°	4.0	4.4	2.5	2.8	2.8	2.8	1.9	3.1	5.9	6.8	10.6
110°	2.8	2.8	1.9	2.5	2.5	2.8	1.9	3.1	4.7	5.3	8.4



REPORT NUMBER: P414829

CATALOG NUMBER: LXF.LXT-PA1-30-827-U-T2R-CL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	1.9	1.9	1.6	1.9	2.2	2.2	1.9	2.8	4.0	4.4	5.9
115°	1.6	1.6	1.2	1.6	1.9	1.9	1.6	2.5	4.0	4.7	6.2
117.5°	1.9	1.6	1.2	1.6	1.9	1.6	1.6	2.2	4.0	4.7	6.2
120°	1.9	1.9	1.6	1.6	1.6	1.6	1.6	2.2	4.0	4.7	6.2
122.5°	2.2	1.9	1.6	1.6	1.6	1.6	1.6	1.9	3.7	4.4	5.9
125°	2.2	2.2	1.6	1.6	1.9	1.6	1.6	1.9	3.7	4.0	5.6
127.5°	2.5	2.2	1.9	1.6	1.9	1.6	1.6	1.9	3.4	3.7	5.0
130°	2.5	2.5	1.9	1.6	1.9	1.6	1.6	1.6	2.8	3.1	4.4
132.5°	2.5	2.5	2.2	1.9	2.2	1.9	1.6	1.6	2.2	2.5	3.4
135°	2.8	2.5	2.5	2.2	2.5	2.2	1.6	1.6	1.6	1.9	2.5
137.5°	2.8	2.8	2.8	2.5	2.8	2.2	1.6	1.6	1.6	1.6	1.9
140°	3.4	3.4	3.1	2.8	3.1	2.5	1.9	1.6	1.6	1.6	1.9
142.5°	4.0	4.0	3.7	3.4	3.1	2.5	2.2	1.9	1.9	1.9	1.9
145°	4.7	4.4	4.4	3.7	3.1	2.5	2.2	2.2	2.2	2.2	2.2
147.5°	4.7	4.7	4.4	3.4	2.8	1.9	1.9	2.5	2.5	2.5	2.5
150°	4.4	4.4	3.7	3.1	2.2	1.6	1.6	2.2	2.5	2.5	2.5
152.5°	3.4	3.1	2.8	1.9	1.6	0.9	1.2	1.6	1.9	1.9	2.2
155°	2.2	1.9	1.6	1.2	1.2	0.9	0.9	1.2	1.2	1.2	1.6
157.5°	0.9	0.9	0.6	0.6	0.9	0.9	0.9	0.9	0.9	0.9	0.9
160°	0.3	0.3	0.3	0.3	0.9	0.9	0.9	0.6	0.6	0.6	0.6
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: P414829

CATALOG NUMBER: LXF.LXT-PA1-30-827-U-T2R-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
2.5°	1.9	1.9	1.9	1.9	1.9	1.6	1.9	2.2	2.5	2.5	2.5
5°	1.9	1.9	1.9	2.2	2.2	1.9	2.2	2.8	3.1	3.1	3.1
7.5°	2.2	1.9	2.2	2.5	2.5	2.5	10.9	31.4	34.8	35.4	36.1
10°	3.1	3.1	3.1	3.4	3.7	32.6	38.5	40.4	41.6	42.6	42.9
12.5°	47.2	41.3	25.8	6.8	32.9	40.4	42.6	45.7	47.2	49.1	48.5
15°	106.0	93.9	70.6	60.3	59.1	45.1	47.2	78.6	87.3	88.9	88.6
17.5°	120.0	103.2	78.6	83.9	87.3	67.8	79.6	88.0	89.5	91.1	90.8
20°	223.2	177.8	106.6	92.3	91.4	114.4	84.9	87.6	90.8	106.9	108.8
22.5°	247.7	204.5	139.6	135.2	110.3	116.2	110.6	112.2	121.8	121.8	121.2
25°	310.2	247.4	157.6	138.0	140.2	115.6	129.9	112.2	114.1	114.1	114.4
27.5°	403.4	318.0	209.2	153.9	138.6	139.9	123.4	113.8	130.2	132.1	133.0
30°	431.7	330.1	207.0	171.9	144.8	135.8	115.3	127.4	122.8	122.8	121.8
32.5°	603.3	450.4	257.7	168.1	148.6	126.2	127.7	120.0	117.8	127.4	127.4
35°	637.2	463.7	248.7	189.3	142.7	131.5	121.5	123.4	119.4	118.7	117.8
37.5°	676.0	473.1	228.4	177.8	150.7	126.2	125.6	120.9	115.6	123.1	124.3
40°	713.0	482.1	212.3	164.1	139.2	125.6	123.1	120.6	109.4	109.4	109.1
42.5°	754.7	488.0	197.7	153.2	128.1	125.9	119.0	111.3	103.8	106.0	105.4
45°	797.9	491.7	182.8	141.1	118.1	130.2	119.4	115.9	110.0	111.0	110.0
47.5°	851.0	497.9	169.7	129.3	111.9	119.4	112.8	111.3	114.7	111.6	113.4
50°	907.6	501.3	157.6	119.0	105.7	115.9	116.9	112.2	114.7	109.4	109.1
52.5°	975.3	504.4	144.5	112.2	104.7	115.3	122.5	117.5	113.1	106.3	105.7
55°	1035.0	494.5	133.3	107.9	111.0	114.1	127.1	121.2	112.2	104.4	104.7
57.5°	1100.0	481.8	124.3	106.0	109.7	111.9	133.6	126.5	116.2	116.6	116.9
60°	1167.1	469.6	118.7	105.7	108.2	112.8	134.6	133.6	121.5	124.3	126.5
62.5°	1247.3	460.0	117.8	107.9	113.8	117.8	135.5	145.1	134.6	135.8	136.4
65°	1310.1	432.0	116.9	109.1	115.9	118.7	135.8	153.2	148.6	155.7	155.1
67.5°	1290.8	380.4	115.3	110.3	117.5	123.7	135.5	159.1	158.5	175.0	173.4
70°	1212.2	323.2	110.3	108.8	118.1	126.2	135.8	160.7	163.5	186.8	185.2
72.5°	1079.8	260.8	101.3	104.4	118.4	129.3	139.9	161.0	164.1	197.1	192.4
75°	903.5	210.7	88.0	94.5	122.1	131.2	140.8	157.9	157.9	189.0	183.1
77.5°	650.2	162.2	75.8	85.8	120.9	129.9	138.0	150.7	148.6	163.5	157.9
80°	378.9	119.7	64.6	84.2	113.4	127.4	130.2	133.0	122.8	126.2	122.8
82.5°	227.5	88.6	55.9	75.5	99.8	114.7	116.9	112.2	98.5	98.2	93.6
85°	136.4	60.6	41.0	58.4	78.6	95.7	98.2	85.2	72.4	79.9	71.5
87.5°	100.7	38.2	28.3	36.4	47.9	44.8	58.4	55.0	46.9	45.1	44.4
90°	90.8	29.2	23.3	29.5	32.3	27.7	29.8	29.8	24.2	23.9	22.7
92.5°	89.8	27.4	24.9	28.9	26.1	22.1	24.2	23.9	19.3	18.3	17.4
95°	83.9	24.6	24.9	26.1	23.0	18.0	19.6	18.3	13.7	12.7	11.8
97.5°	39.5	17.1	23.6	22.7	19.0	14.0	16.2	14.0	9.6	8.4	8.4
100°	9.3	14.6	20.2	20.5	15.2	10.6	11.2	9.0	6.2	5.3	5.3
102.5°	9.3	6.5	12.4	16.2	9.3	4.4	6.2	5.9	4.7	4.7	5.0
105°	9.3	6.2	6.2	10.6	5.6	2.8	2.8	3.7	4.0	5.3	5.9
107.5°	9.6	6.5	5.0	5.0	4.0	2.8	2.5	2.8	4.0	6.2	6.5
110°	8.1	5.9	4.7	4.4	4.0	2.8	2.2	2.8	4.0	6.8	7.5



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CATALOG NUMBER: LXF.LXT-PA1-30-827-U-T2R-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	5.9	5.3	4.0	4.0	3.4	2.8	2.2	2.5	4.4	7.5	8.1
115°	5.9	5.0	3.7	3.4	2.8	2.5	2.2	2.5	4.7	8.1	8.7
117.5°	6.2	5.0	3.4	3.1	2.5	1.9	1.9	2.5	4.7	8.4	9.0
120°	6.2	5.0	3.4	3.1	2.5	1.9	1.9	2.8	5.0	8.1	8.7
122.5°	5.9	5.0	3.4	3.1	2.5	1.6	1.9	2.5	4.7	7.8	8.4
125°	5.3	4.7	3.4	2.8	2.5	1.6	1.9	2.5	4.7	7.5	7.8
127.5°	5.0	4.4	3.1	2.8	2.2	1.6	1.9	2.5	4.4	6.8	7.1
130°	4.4	4.0	2.8	2.5	2.2	1.6	1.9	2.5	4.4	6.2	6.5
132.5°	3.4	3.1	2.5	2.2	2.2	1.6	1.9	2.2	3.4	5.3	5.6
135°	2.5	2.5	2.2	2.2	2.2	1.6	1.9	1.9	2.8	4.0	4.4
137.5°	1.9	1.9	1.9	2.2	1.9	1.6	1.6	1.9	2.5	3.1	3.4
140°	1.9	1.9	1.9	2.2	1.9	1.6	1.6	1.9	2.2	2.5	2.8
142.5°	1.9	1.9	1.9	2.2	1.9	1.2	1.6	1.9	2.2	2.5	2.5
145°	2.2	2.2	2.2	2.2	1.9	1.2	1.2	1.9	2.2	2.5	2.5
147.5°	2.5	2.5	2.2	2.2	1.9	0.9	0.9	1.9	2.2	2.5	2.5
150°	2.5	2.5	2.2	2.2	1.6	0.9	0.9	1.6	2.2	2.2	2.2
152.5°	1.9	1.9	1.9	1.9	1.6	0.6	0.6	1.2	1.9	1.9	1.9
155°	1.6	1.6	1.6	1.6	1.2	0.6	0.3	0.9	1.6	1.6	1.6
157.5°	0.9	1.2	1.2	1.6	1.2	0.6	0.3	0.6	1.2	1.2	1.2
160°	0.6	0.9	0.9	1.2	1.2	0.6	0.3	0.6	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

(END OF REPORT)