

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: P414592

Luminaire Tested: **LXF.LXT-PA1-30-727-U-T3-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414592
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-22)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-30-727-U-T3-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3078 lumens
Efficiency: N/A
Efficacy: 99.3 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

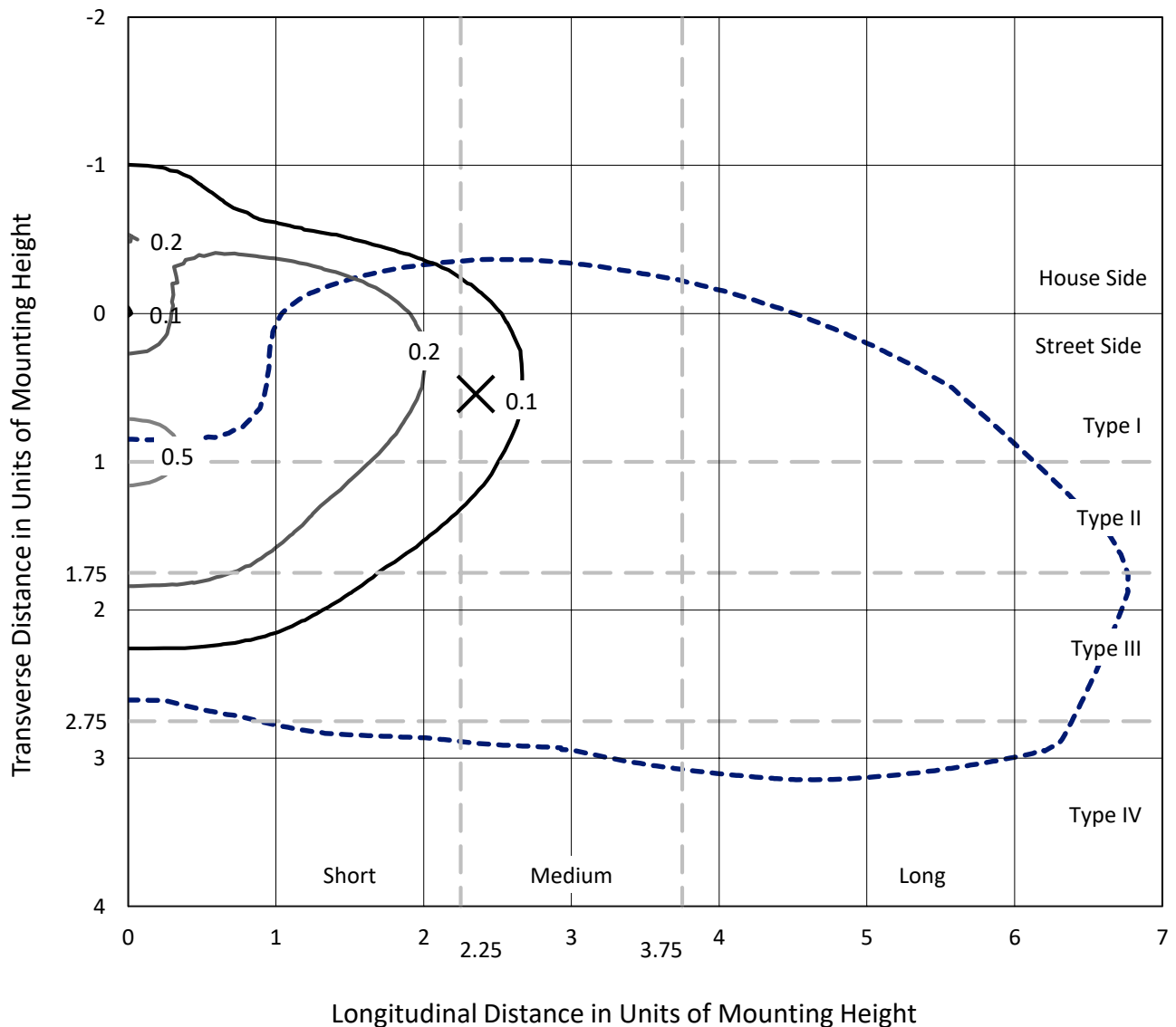
Input Watts (W): 31
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P414592
 CATALOG NUMBER: LXF.LXT-PA1-30-727-U-T3-TL

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

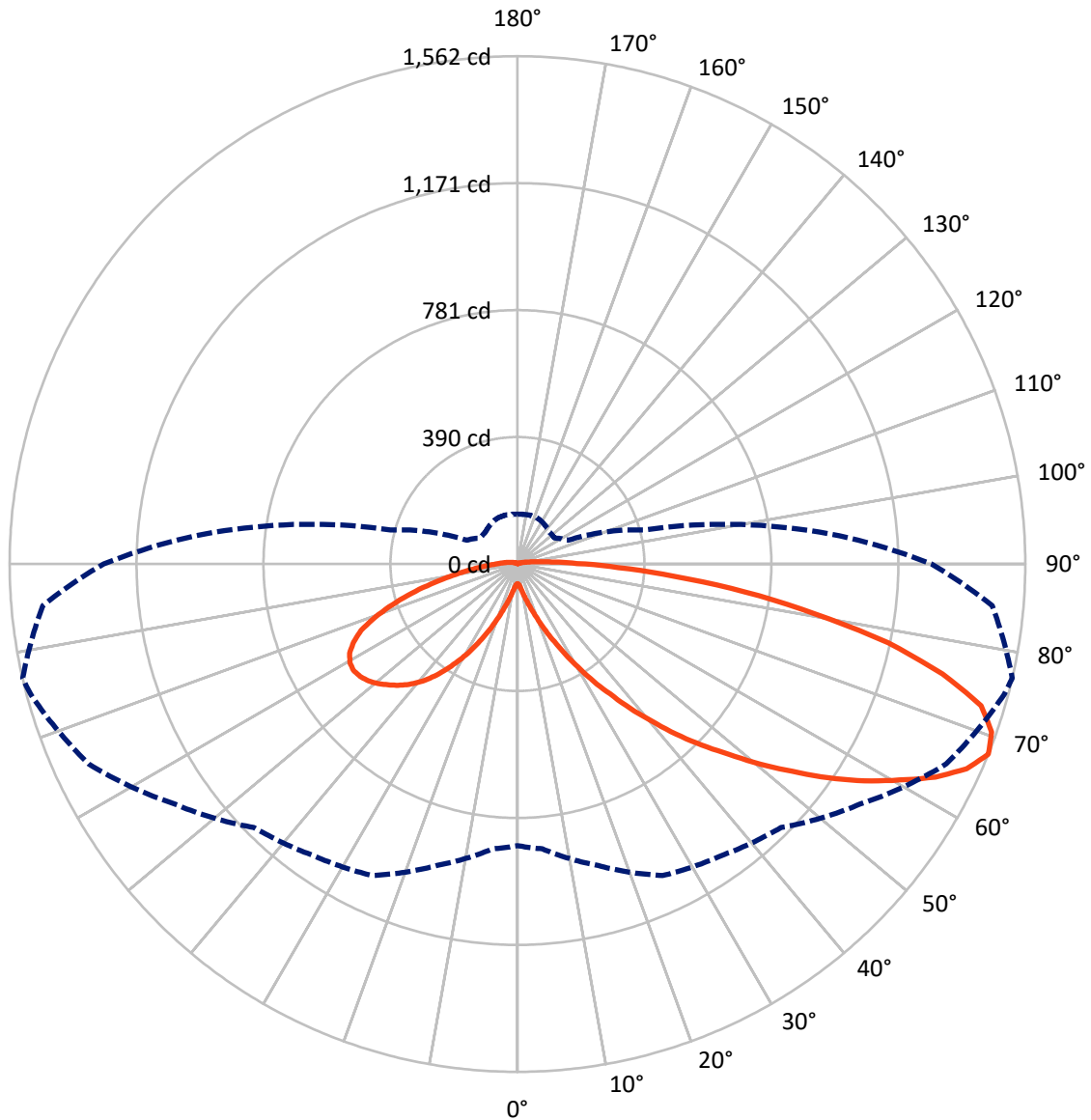


Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P414592

CATALOG NUMBER: LXF.LXT-PA1-30-727-U-T3-TL

Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical



REPORT NUMBER: P414592

CATALOG NUMBER: LXF.LXT-PA1-30-727-U-T3-TL

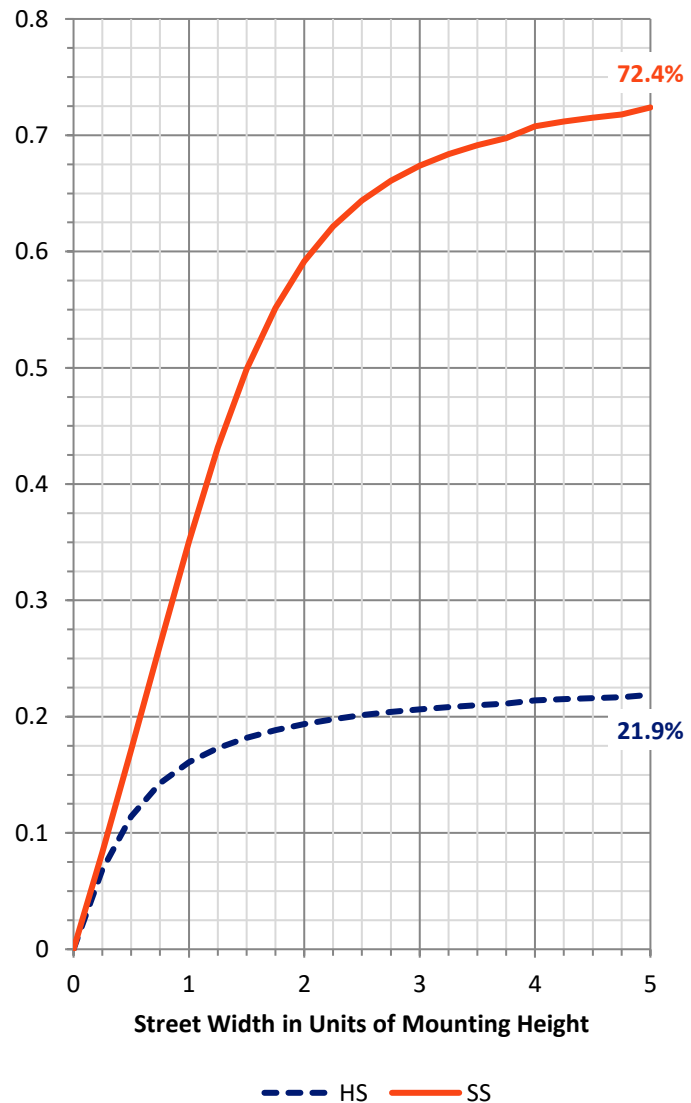
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	702.2	46.2	748.5
	% Fixture	22.8	1.5	24.3
Street Side	Lumens	2278.0	51.5	2329.5
	% Fixture	74.0	1.7	75.7
Total	Lumens	2980.3	97.7	3078.0
	% Fixture	96.8	3.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.0	0.2
10°-20°	35.7	1.2
20°-30°	106.7	3.5
30°-40°	236.2	7.7
40°-50°	423.0	13.7
50°-60°	633.6	20.6
60°-70°	746.8	24.3
70°-80°	570.2	18.5
80°-90°	221.0	7.2
90°-100°	56.3	1.8
100°-110°	21.3	0.7
110°-120°	10.0	0.3
120°-130°	5.4	0.2
130°-140°	3.0	0.1
140°-150°	1.3	0.0
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2980.3	96.8
0°-180°	3078.0	100.0



REPORT NUMBER: P414592

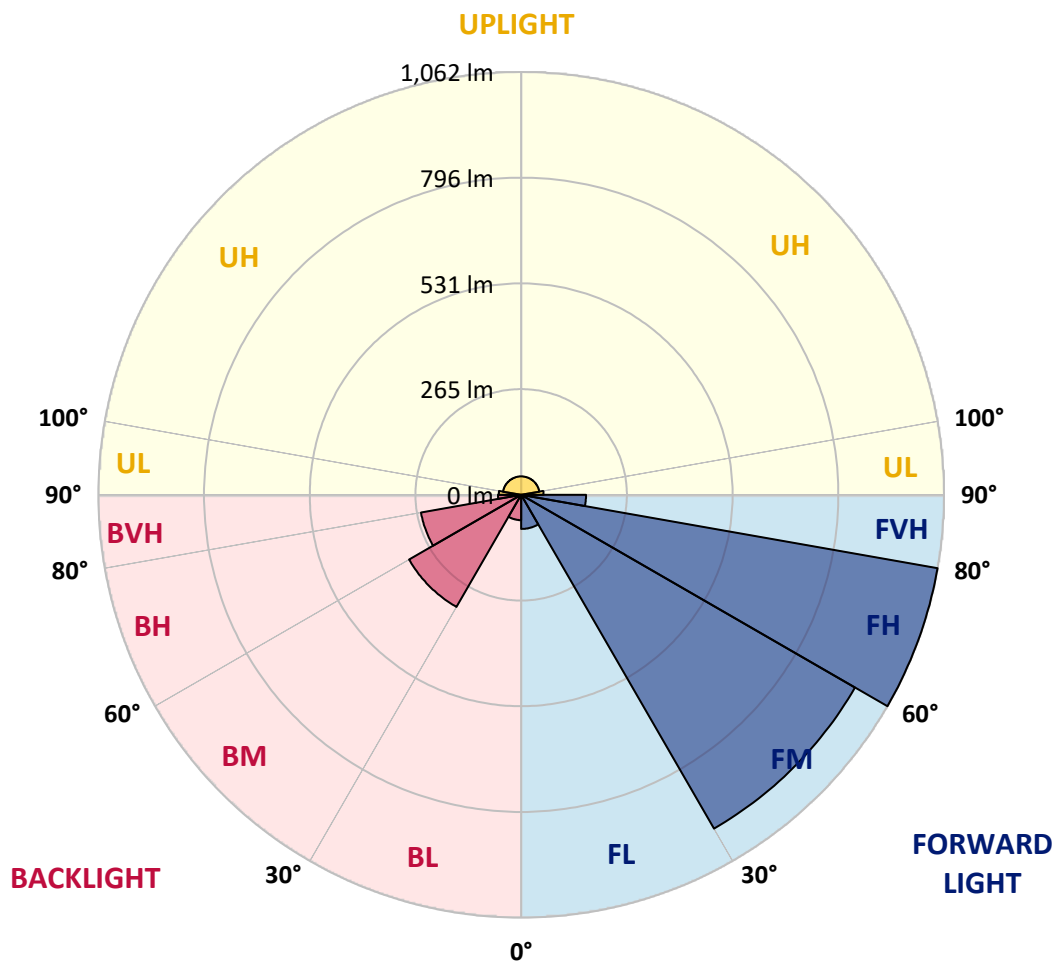
CATALOG NUMBER: LXF.LXT-PA1-30-727-U-T3-TL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	85.8	2.8			
FM	(30°-60°)	967.8	31.4			
FH	(60°-80°)	1061.6	34.5			G1/1800
FVH	(80°-90°)	162.8	5.3			G2/225
BL	(0°-30°)	63.6	2.1	B0/110		
BM	(30°-60°)	325.0	10.6	B1/1000		
BH	(60°-80°)	255.4	8.3	B1/500		G1/500
BVH	(80°-90°)	58.2	1.9			G1/100
UL	(90°-100°)	56.3	1.8		U3/500	
UH	(100°-180°)	46.2	1.5		U2/50	

BUG Rating: B1-U3-G2

Type IV Medium





REPORT NUMBER: P414592

CATALOG NUMBER: LXF.LXT-PA1-30-727-U-T3-TL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
2.5°	64.0	63.7	64.0	64.0	64.4	63.7	62.9	62.6	62.2	62.2	61.9
5°	70.7	70.0	70.4	70.7	70.4	69.7	68.6	68.2	67.5	67.5	66.8
7.5°	80.3	80.3	79.9	79.2	79.9	78.9	78.1	77.8	76.7	76.4	76.0
10°	94.8	94.1	93.7	93.0	92.3	91.9	90.5	90.5	88.8	89.5	88.4
12.5°	113.5	112.1	112.5	111.0	108.9	107.5	106.8	106.4	106.4	106.4	106.1
15°	136.1	135.1	134.7	131.5	129.4	127.7	126.2	126.6	128.4	128.7	127.3
17.5°	162.0	163.7	160.5	157.7	154.5	151.0	151.0	151.0	152.4	153.5	152.8
20°	198.0	194.5	191.0	186.4	181.1	178.2	176.8	181.1	183.5	185.3	184.6
22.5°	237.6	234.1	230.2	222.8	215.4	210.0	210.0	215.4	221.0	223.1	223.8
25°	282.5	284.7	275.1	263.8	250.4	245.8	246.5	254.3	262.7	264.5	268.7
27.5°	338.1	338.1	329.9	311.9	294.2	285.0	285.7	298.5	311.2	313.7	316.8
30°	405.6	403.1	392.2	368.1	344.8	327.5	330.6	346.2	366.3	368.5	372.4
32.5°	480.9	480.6	459.3	429.6	396.1	375.5	377.0	399.6	424.7	430.7	435.0
35°	564.4	566.5	538.9	495.8	456.9	429.3	433.9	459.7	489.1	490.5	495.8
37.5°	659.9	658.8	625.9	578.9	520.9	491.5	488.0	523.0	553.8	563.0	560.1
40°	765.6	754.3	722.4	664.1	592.7	553.4	554.1	590.2	631.9	634.7	634.0
42.5°	869.9	864.9	826.4	747.5	671.2	624.8	626.6	661.3	704.4	715.4	707.6
45°	982.4	970.0	928.2	846.9	753.9	703.7	699.1	738.0	785.4	793.9	786.4
47.5°	1073.2	1065.5	1028.7	942.0	842.7	778.3	771.2	819.0	873.1	873.8	862.8
50°	1148.6	1144.7	1115.7	1038.9	928.6	861.8	854.3	901.7	958.3	967.5	951.6
52.5°	1213.6	1207.3	1192.8	1117.1	1006.8	933.2	932.1	984.1	1054.8	1059.1	1043.9
55°	1234.5	1238.4	1236.2	1182.9	1083.5	1003.9	1012.8	1082.8	1146.1	1160.9	1132.3
57.5°	1231.3	1231.3	1251.5	1227.1	1134.8	1067.9	1087.0	1171.5	1253.9	1258.5	1224.2
60°	1183.2	1184.3	1232.7	1239.4	1171.5	1122.7	1167.6	1261.7	1346.2	1349.1	1316.9
62.5°	1113.9	1111.4	1182.5	1216.4	1176.1	1155.3	1225.3	1340.6	1433.2	1442.8	1394.3
65°	1005.7	1010.3	1087.0	1154.6	1152.1	1167.6	1270.2	1411.6	1503.9	1517.7	1447.7
67.5°	866.0	879.4	960.1	1057.0	1094.4	1146.1	1286.8	1455.1	1549.9	1561.9	1465.7
70°	717.5	714.3	801.7	923.3	996.5	1090.9	1268.4	1456.9	1551.0	1547.1	1427.2
72.5°	544.2	557.7	636.2	759.9	868.5	986.2	1208.7	1411.6	1491.6	1490.9	1325.4
75°	386.9	395.0	464.3	588.1	717.5	863.9	1089.5	1313.0	1371.7	1350.5	1177.9
77.5°	255.3	262.7	322.5	435.3	555.2	710.1	929.3	1140.8	1187.4	1165.5	989.8
80°	158.8	162.3	207.6	297.0	403.5	550.2	752.5	932.8	951.2	929.0	762.0
82.5°	94.4	97.2	129.8	190.6	287.5	400.6	567.2	715.0	721.0	705.8	549.5
85°	58.0	61.9	82.7	127.3	191.7	282.5	395.3	496.8	501.1	483.4	363.2
87.5°	37.8	40.0	56.2	82.7	129.1	189.2	264.9	330.6	321.1	310.1	229.5
90°	25.8	27.2	38.5	56.9	87.3	125.2	167.6	206.9	191.7	183.2	139.3
92.5°	18.0	19.4	28.3	41.0	60.5	83.8	108.9	123.8	117.4	113.5	87.7
95°	14.1	14.9	21.6	31.8	44.9	59.4	72.1	76.7	72.8	70.0	59.1
97.5°	11.3	12.0	18.0	25.8	35.0	44.2	50.2	51.6	47.7	46.3	41.0
100°	9.5	10.3	15.2	21.6	28.6	35.0	37.5	37.1	33.9	33.2	29.7
102.5°	8.5	8.8	13.4	18.7	24.4	28.3	29.7	27.9	24.8	24.4	22.3
105°	7.4	8.1	11.7	16.3	20.9	24.0	24.0	21.9	18.4	18.0	17.0
107.5°	7.1	7.1	10.3	14.1	18.0	20.2	20.2	17.7	14.5	13.8	13.1
110°	6.4	6.7	9.2	12.4	15.6	17.3	17.0	14.1	11.0	10.6	10.3



REPORT NUMBER: P414592

CATALOG NUMBER: LXF.LXT-PA1-30-727-U-T3-TL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	6.0	6.0	8.1	11.0	13.4	14.9	14.1	11.7	8.8	8.5	8.1
115°	5.7	5.7	7.4	9.9	12.0	13.1	12.0	9.5	7.1	6.7	7.1
117.5°	5.3	5.7	6.7	8.8	10.6	11.3	10.3	8.1	6.0	5.7	6.0
120°	5.3	5.3	6.4	7.8	9.2	9.9	8.8	6.7	5.0	5.0	5.3
122.5°	5.3	5.3	6.0	7.1	8.1	8.5	7.4	5.7	4.6	4.6	5.0
125°	5.0	5.0	5.7	6.4	7.4	7.4	6.7	5.0	3.9	3.9	4.6
127.5°	5.0	5.0	5.3	6.0	6.7	6.7	5.7	4.2	3.5	3.9	4.2
130°	4.6	4.6	5.0	5.3	6.0	5.7	5.0	3.9	3.2	3.5	3.9
132.5°	4.6	4.6	4.6	5.0	5.3	5.0	4.2	3.2	3.2	3.2	3.5
135°	4.2	4.2	4.6	4.6	4.6	4.2	3.5	2.8	2.8	2.8	3.2
137.5°	4.2	4.2	4.2	4.2	4.2	3.9	3.2	2.5	2.5	2.5	2.8
140°	3.9	3.9	3.9	3.5	3.5	3.2	2.5	2.1	2.1	2.1	2.5
142.5°	3.5	3.5	3.5	3.2	3.2	2.5	2.1	1.8	1.8	2.1	2.1
145°	3.2	3.2	3.2	2.8	2.5	2.1	1.4	1.4	1.8	1.8	2.1
147.5°	2.5	2.5	2.5	2.5	1.8	1.8	1.1	1.4	1.4	1.8	1.8
150°	2.1	2.1	2.1	2.1	1.4	1.1	0.7	1.1	1.4	1.4	1.4
152.5°	1.8	1.8	1.8	1.8	1.1	0.7	0.7	1.1	1.1	1.1	1.4
155°	1.1	1.1	1.4	1.1	0.7	0.4	0.7	0.7	1.1	1.1	1.1
157.5°	0.7	0.7	0.7	0.7	0.4	0.4	0.4	0.7	0.7	0.7	1.1
160°	0.4	0.4	0.7	0.7	0.7	0.4	0.4	0.4	0.7	0.7	0.7
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: P414592

CATALOG NUMBER: LXF.LXT-PA1-30-727-U-T3-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
2.5°	61.5	61.9	61.5	61.2	61.2	60.8	60.8	60.8	60.8	60.5	60.5
5°	67.2	66.8	66.5	65.8	65.1	64.4	64.4	64.0	63.7	63.3	63.3
7.5°	75.0	75.0	74.3	73.2	72.1	71.4	70.7	70.4	69.3	69.3	69.0
10°	87.0	87.0	84.9	83.8	82.0	80.3	79.6	78.5	77.8	77.4	77.1
12.5°	104.3	103.3	101.1	97.6	94.1	91.2	89.5	88.8	89.1	89.1	89.5
15°	126.6	124.5	121.3	114.6	108.2	104.0	102.9	102.9	103.3	103.3	103.6
17.5°	153.1	149.9	142.9	134.4	125.2	119.5	117.0	117.0	117.8	118.8	119.9
20°	185.3	182.5	171.5	156.7	142.9	135.4	131.2	130.8	132.3	135.4	134.7
22.5°	221.7	218.5	202.3	180.7	161.6	149.6	145.0	146.4	149.9	152.1	152.1
25°	265.6	260.3	235.9	204.4	180.0	163.0	157.0	159.1	164.4	166.9	168.0
27.5°	312.6	305.5	273.0	230.2	194.5	174.0	167.6	170.4	176.8	180.7	181.8
30°	368.5	356.1	311.9	254.3	207.6	181.8	175.0	180.3	187.4	192.0	193.1
32.5°	427.2	408.1	345.5	274.8	217.1	187.1	180.3	186.7	194.5	199.8	200.1
35°	485.9	463.9	382.6	291.4	222.1	189.5	182.5	189.9	198.4	202.6	203.7
37.5°	549.5	519.1	414.8	302.0	224.2	189.2	182.5	189.9	198.0	201.6	202.3
40°	610.7	573.2	443.4	308.4	223.5	186.4	180.0	187.8	194.8	197.3	197.0
42.5°	679.3	625.6	466.4	308.7	218.5	182.1	176.8	183.5	188.5	188.1	188.5
45°	744.7	681.1	483.4	306.2	211.8	176.8	172.6	178.6	180.3	178.6	178.2
47.5°	816.5	736.2	496.8	299.9	203.7	171.9	168.0	172.6	172.9	169.0	168.3
50°	892.5	791.4	509.2	288.2	194.1	166.2	163.7	167.6	166.9	160.5	159.5
52.5°	966.8	847.3	517.0	274.1	184.6	161.2	160.2	164.1	162.0	154.5	153.1
55°	1046.0	898.9	518.4	259.9	175.4	157.0	157.0	161.2	158.8	151.0	149.9
57.5°	1123.4	953.0	513.1	241.5	166.6	152.4	154.5	159.5	157.7	149.9	149.2
60°	1195.9	993.7	498.6	224.2	158.4	149.2	152.8	158.4	157.0	150.6	149.9
62.5°	1252.2	1020.5	475.6	207.2	151.3	146.0	151.0	156.7	157.0	151.7	152.1
65°	1278.3	1020.5	442.4	190.2	145.0	142.9	149.2	155.6	156.3	153.1	153.1
67.5°	1272.7	994.4	404.9	172.6	139.0	139.0	146.8	153.5	154.9	153.5	153.5
70°	1212.9	923.7	353.6	158.4	133.0	134.4	142.9	149.9	152.1	152.4	152.1
72.5°	1115.7	817.2	300.6	143.6	126.6	129.8	137.9	145.0	147.8	148.5	148.2
75°	965.4	693.8	248.6	131.2	119.9	123.8	132.3	138.3	141.4	142.9	142.2
77.5°	775.8	550.6	203.7	118.8	112.1	116.3	124.5	129.4	133.3	135.1	133.7
80°	591.2	409.8	162.0	106.4	102.5	107.1	114.2	119.5	123.1	123.8	122.7
82.5°	419.7	290.7	129.8	94.8	92.3	96.2	102.5	106.1	110.3	110.0	107.9
85°	275.1	197.3	101.8	82.4	81.3	83.8	88.8	90.9	95.1	95.1	92.6
87.5°	178.9	130.8	80.3	69.3	70.4	72.5	75.0	76.7	78.5	78.9	76.7
90°	114.2	89.5	64.0	59.1	60.1	61.9	61.9	61.5	64.4	65.1	63.3
92.5°	75.0	63.7	53.0	50.2	50.9	51.3	51.3	49.9	52.3	52.7	51.3
95°	52.7	47.7	43.8	43.1	43.1	43.1	42.4	40.7	42.8	42.8	42.1
97.5°	39.6	37.1	36.8	36.8	36.8	36.4	35.4	34.7	35.4	35.4	35.0
100°	29.7	29.4	30.4	31.1	31.5	31.1	30.4	29.4	29.4	27.9	28.3
102.5°	22.6	23.3	25.5	26.5	26.5	26.5	26.2	24.8	24.0	22.6	22.3
105°	17.7	18.4	20.9	22.3	22.6	23.0	22.3	20.9	19.4	18.0	17.7
107.5°	13.8	14.9	17.0	18.7	19.4	19.4	19.1	17.7	15.9	14.1	14.1
110°	11.3	12.0	14.1	15.9	16.6	16.6	16.3	14.5	12.7	11.3	11.3



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CATALOG NUMBER: LXF.LXT-PA1-30-727-U-T3-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	9.2	9.9	12.0	13.4	14.1	14.5	13.8	12.4	10.6	9.2	9.2
115°	7.8	8.5	10.3	11.3	12.0	12.0	11.7	10.3	8.8	7.8	7.8
117.5°	6.7	7.4	8.8	9.9	10.3	10.6	9.9	8.8	7.4	6.7	6.7
120°	6.0	6.4	7.8	8.5	8.8	8.8	8.5	7.4	6.4	6.0	6.0
122.5°	5.3	6.0	6.7	7.4	7.8	7.8	7.4	6.4	5.7	5.3	5.7
125°	5.0	5.3	6.0	6.7	6.7	6.7	6.4	5.7	5.0	5.0	5.0
127.5°	4.6	5.0	5.3	5.7	6.0	6.0	5.7	5.0	4.6	4.6	4.6
130°	4.2	4.6	5.0	5.0	5.3	5.3	5.0	4.2	4.2	4.2	4.2
132.5°	3.9	4.2	4.2	4.6	4.6	4.6	4.2	3.9	3.9	3.9	3.9
135°	3.5	3.5	3.9	3.9	3.9	3.9	3.5	3.5	3.5	3.5	3.5
137.5°	3.2	3.2	3.5	3.2	3.5	3.2	3.2	2.8	3.2	3.2	3.2
140°	2.8	2.8	2.8	2.8	2.8	2.8	2.5	2.5	2.8	2.8	2.8
142.5°	2.5	2.5	2.5	2.1	2.1	2.1	2.1	2.1	2.5	2.5	2.5
145°	2.1	2.1	2.1	1.8	1.8	1.4	1.8	1.8	2.1	2.1	2.1
147.5°	1.8	1.8	1.8	1.8	1.4	1.1	1.1	1.4	1.8	1.8	1.8
150°	1.4	1.8	1.8	1.4	1.1	0.7	0.7	1.1	1.4	1.4	1.4
152.5°	1.4	1.4	1.4	1.1	0.7	0.4	0.4	0.7	1.1	1.1	1.1
155°	1.1	1.1	1.1	1.1	0.7	0.4	0.0	0.7	0.7	0.7	0.7
157.5°	1.1	1.1	1.1	0.7	0.4	0.0	0.0	0.4	0.7	0.4	0.4
160°	0.7	0.7	0.7	0.7	0.4	0.4	0.0	0.4	0.4	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)