

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: P414577

Luminaire Tested: **LXF.LXT-PA1-30-727-U-T2U-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414577
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-10)
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-T2U-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3066 lumens
Efficiency: N/A
Efficacy: 98.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B1 - U2 - G1

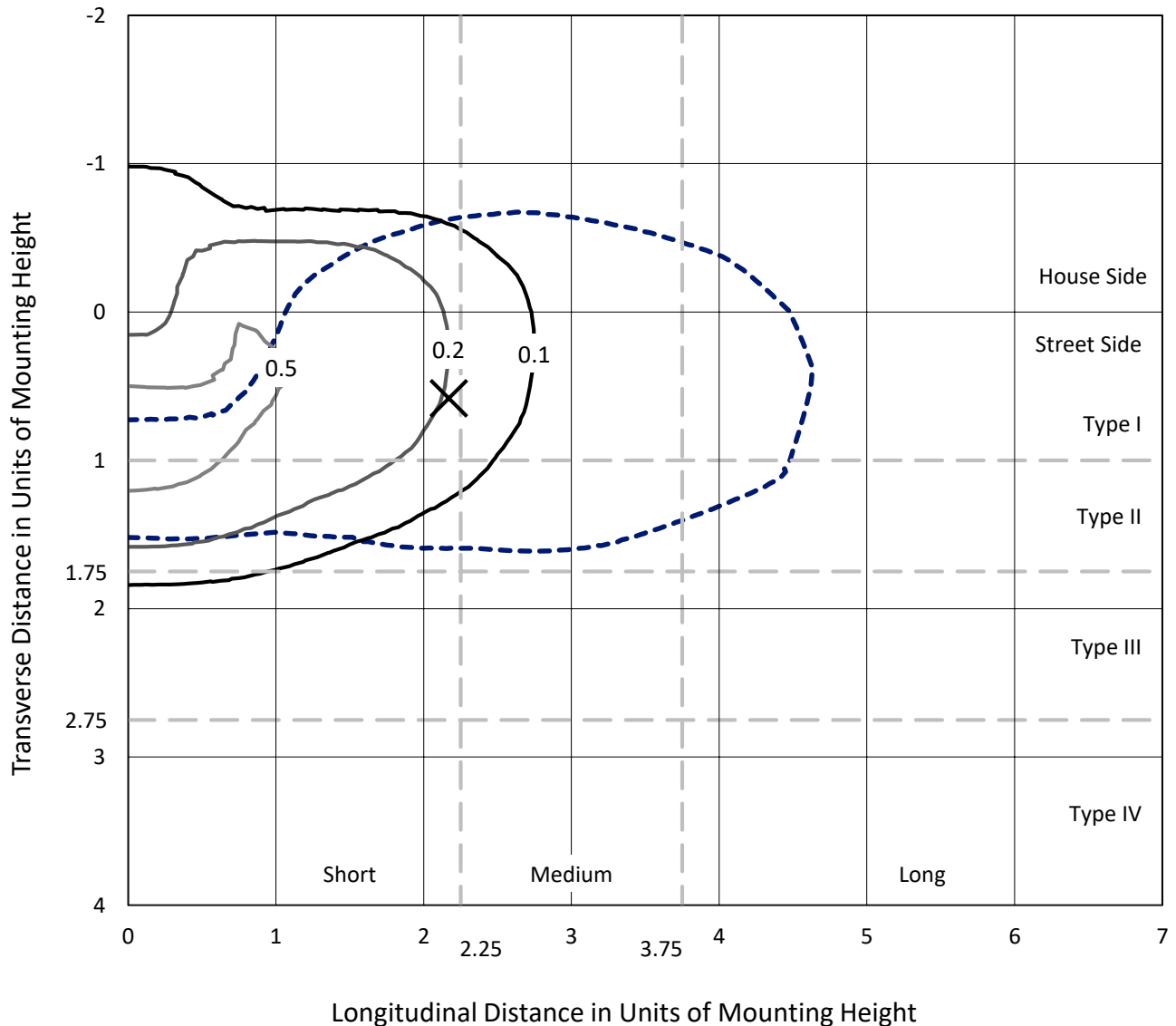
Input Watts (W): 31
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P414577
 CATALOG NUMBER: LXF.LXT-PA1-30-727-U-T2U-A

Iso-Footcandle Lines of Horizontal Illumination

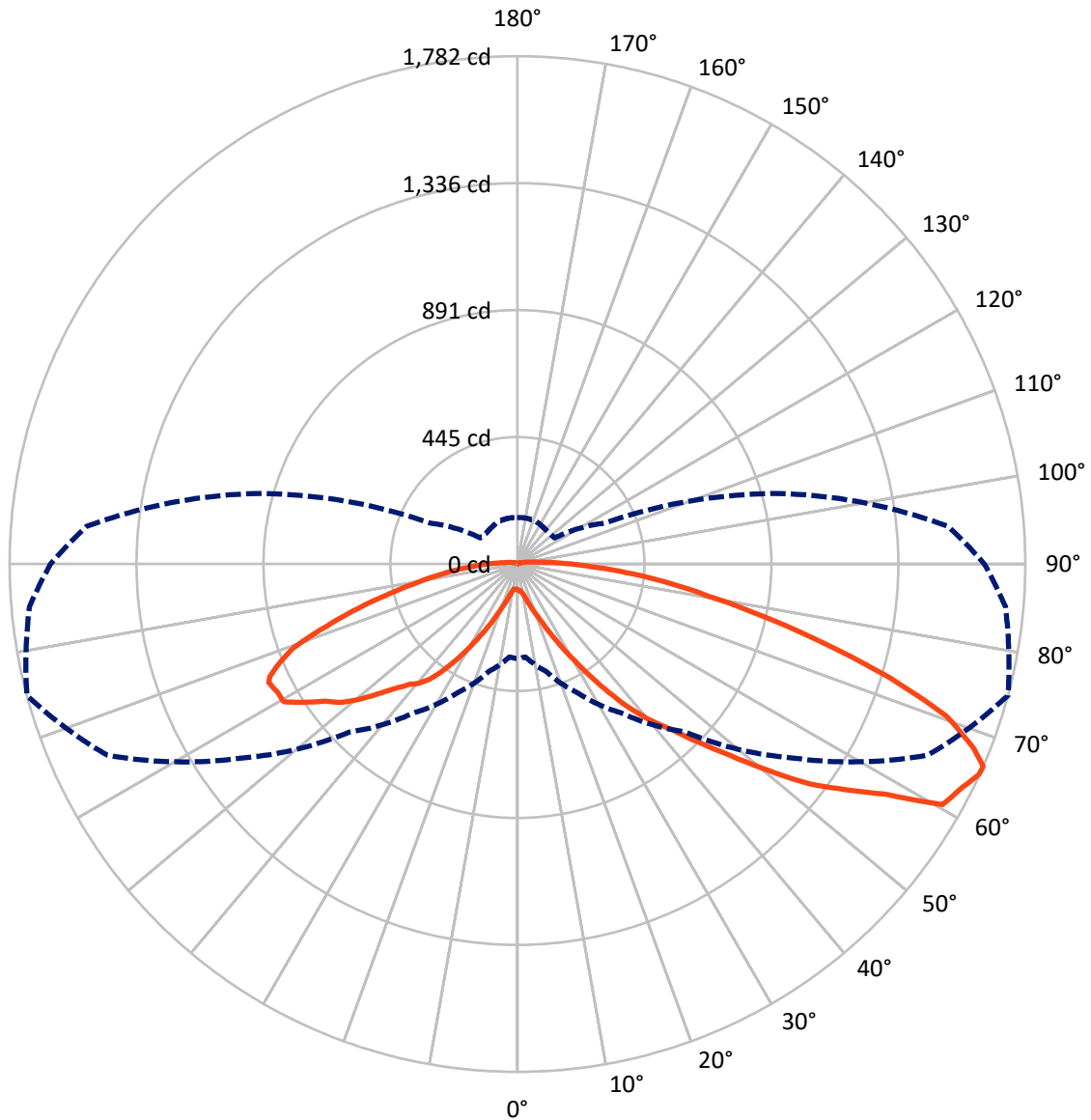
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type II - Short - Non-Cutoff

REPORT NUMBER: P414577
CATALOG NUMBER: LXF.LXT-PA1-30-727-U-T2U-A

Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

REPORT NUMBER: P414577

CATALOG NUMBER: LXF.LXT-PA1-30-727-U-T2U-A

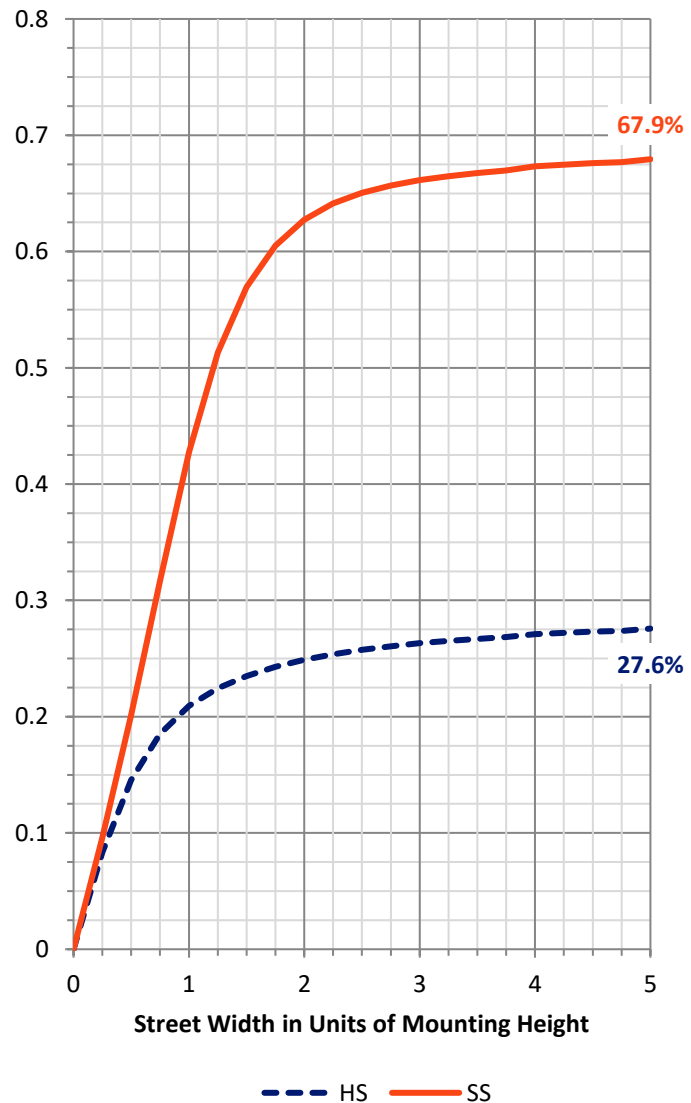
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	870.8	42.5	913.3
	% Fixture	28.4	1.4	29.8
Street Side	Lumens	2110.6	42.0	2152.7
	% Fixture	68.8	1.4	70.2
Total	Lumens	2981.5	84.6	3066.0
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.1	0.3
10°-20°	38.5	1.3
20°-30°	116.9	3.8
30°-40°	289.0	9.4
40°-50°	521.9	17.0
50°-60°	705.2	23.0
60°-70°	707.9	23.1
70°-80°	427.6	13.9
80°-90°	165.3	5.4
90°-100°	49.1	1.6
100°-110°	17.7	0.6
110°-120°	8.6	0.3
120°-130°	5.1	0.2
130°-140°	3.0	0.1
140°-150°	1.0	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2981.5	97.2
0°-180°	3066.0	100.0



REPORT NUMBER: P414577

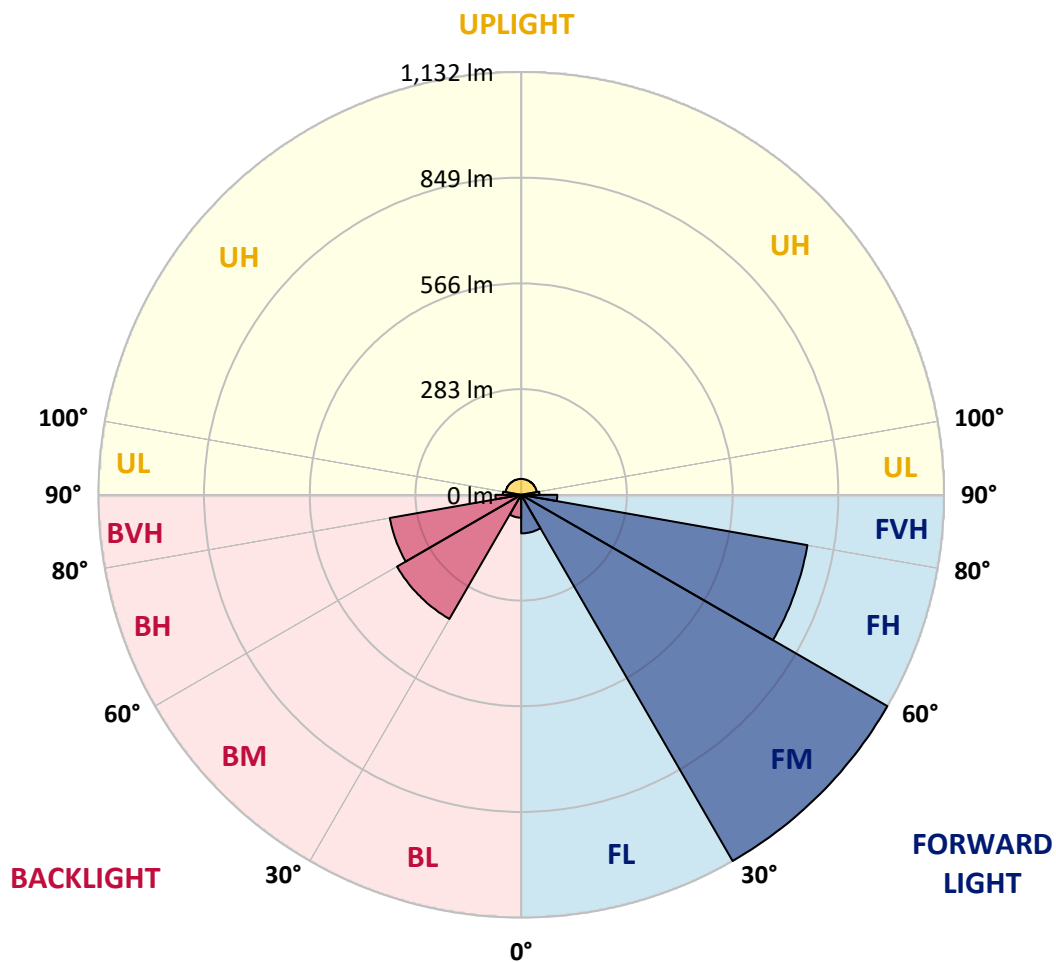
CATALOG NUMBER: LXF.LXT-PA1-30-727-U-T2U-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	103.3	3.4			
FM	(30°-60°)	1132.3	36.9			
FH	(60°-80°)	778.5	25.4			G1/1800
FVH	(80°-90°)	96.5	3.1			G1/100
BL	(0°-30°)	61.2	2.0	B0/110		
BM	(30°-60°)	383.9	12.5	B1/1000		
BH	(60°-80°)	357.0	11.6	B1/500		G1/500
BVH	(80°-90°)	68.8	2.2			G1/100
UL	(90°-100°)	49.1	1.6		U2/50	
UH	(100°-180°)	42.5	1.4		U2/50	

BUG Rating: B1-U2-G1

Type II Short





REPORT NUMBER: P414577

CATALOG NUMBER: LXF.LXT-PA1-30-727-U-T2U-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
2.5°	99.7	99.0	98.3	97.6	96.9	96.2	94.8	93.0	91.6	91.6	90.2
5°	108.9	108.2	107.1	105.7	104.3	102.9	100.1	97.2	94.4	94.4	91.9
7.5°	120.2	119.9	118.4	116.7	113.5	110.3	106.8	102.5	98.6	98.3	95.1
10°	134.7	134.0	131.9	129.4	125.9	121.6	116.7	111.4	105.7	105.4	101.5
12.5°	154.9	153.5	149.9	146.0	139.3	135.1	129.4	124.5	120.2	119.2	113.9
15°	181.0	179.3	175.4	168.7	159.8	152.0	148.9	143.6	139.0	137.5	132.6
17.5°	214.6	212.9	206.1	195.5	186.3	178.6	171.5	166.2	162.3	161.9	154.9
20°	260.6	256.3	245.4	230.5	218.5	209.0	199.1	193.1	189.2	187.7	183.5
22.5°	317.2	316.1	300.5	281.1	261.3	244.0	233.0	226.3	223.5	223.8	221.3
25°	389.3	386.1	371.3	343.0	313.3	291.3	276.1	271.9	271.5	269.1	268.0
27.5°	466.4	462.1	442.7	415.5	376.2	346.5	329.5	324.9	326.0	323.2	325.3
30°	560.8	558.7	530.4	490.8	448.3	409.4	391.8	387.9	390.3	393.9	391.8
32.5°	677.5	680.6	642.1	588.7	529.3	484.4	465.0	463.5	467.1	466.4	465.3
35°	819.6	825.2	771.9	707.2	625.5	572.1	547.7	545.9	553.0	552.3	553.0
37.5°	971.6	974.1	930.6	828.1	733.0	659.1	638.9	636.8	643.5	639.6	635.7
40°	1091.5	1103.2	1052.2	964.2	840.1	764.8	740.4	728.7	722.7	718.5	690.2
42.5°	1205.0	1197.9	1161.9	1063.9	950.1	868.0	835.5	813.6	794.1	791.3	760.2
45°	1279.2	1270.4	1236.1	1145.6	1038.8	970.9	940.9	914.4	892.4	882.5	845.0
47.5°	1283.5	1279.2	1271.1	1203.2	1109.9	1050.8	1040.9	1026.8	1002.7	1003.1	955.0
50°	1218.8	1212.1	1235.8	1209.9	1145.2	1114.1	1151.6	1167.2	1136.4	1133.2	1083.4
52.5°	1104.2	1100.7	1143.8	1169.3	1146.3	1158.3	1247.4	1304.0	1280.0	1267.2	1202.9
55°	988.2	992.5	1030.0	1071.0	1108.8	1171.0	1332.3	1445.1	1397.7	1389.2	1308.9
57.5°	830.2	844.3	900.2	964.6	1024.0	1153.4	1376.8	1534.5	1522.5	1519.3	1450.7
60°	656.9	655.5	738.3	832.0	929.6	1095.0	1379.3	1647.0	1713.8	1698.6	1601.7
62.5°	510.2	513.7	573.1	690.5	821.4	1006.3	1345.4	1697.2	1741.7	1724.4	1639.9
65°	369.5	375.1	447.6	542.4	690.2	886.4	1248.8	1628.9	1779.6	1768.9	1721.2
66°	332.0	327.1	390.7	498.2	638.6	833.4	1188.0	1587.6	1781.7	1775.7	1718.7
67.5°	267.0	273.3	322.5	416.2	555.5	748.9	1078.1	1521.4	1726.5	1718.4	1680.2
70°	197.6	203.7	237.3	312.2	421.5	597.2	891.4	1314.2	1596.4	1602.4	1598.2
72.5°	146.4	152.7	175.7	229.8	311.9	444.1	706.4	1107.8	1365.2	1379.3	1369.4
75°	113.9	116.3	135.4	173.3	228.1	312.9	522.6	858.5	1111.3	1137.5	1146.7
77.5°	91.6	93.7	109.3	133.7	170.8	228.4	366.3	640.0	879.7	898.1	915.4
80°	73.9	75.3	88.0	107.5	130.8	163.4	247.2	465.0	675.0	685.6	711.0
82.5°	59.4	60.5	69.7	86.3	104.7	124.1	175.7	324.6	530.0	539.9	572.1
85°	46.7	47.4	55.5	68.6	84.2	98.3	126.9	229.5	381.9	391.1	430.0
87.5°	36.8	37.5	43.8	53.4	67.9	77.8	93.7	154.5	257.8	270.8	315.0
90°	29.0	29.3	33.9	41.4	52.7	63.3	73.5	107.8	171.8	179.3	204.0
92.5°	21.9	22.3	25.8	31.5	41.0	50.2	56.2	74.6	110.0	113.1	130.8
95°	16.3	16.6	19.4	23.0	30.8	39.2	43.5	52.3	69.3	73.5	78.1
97.5°	12.7	13.1	14.9	17.0	22.6	30.8	34.7	38.5	47.4	48.8	52.3
100°	11.0	11.0	12.0	13.4	17.0	24.0	27.2	30.4	35.7	35.7	37.8
102.5°	9.2	9.2	9.9	10.6	13.8	19.1	21.9	24.0	26.9	27.2	29.0
105°	8.1	8.1	8.5	9.2	11.7	15.6	18.0	19.1	20.9	20.9	21.6
107.5°	7.1	7.1	7.4	7.8	10.3	13.1	14.5	14.9	15.6	15.6	16.6



REPORT NUMBER: P414577

CATALOG NUMBER: LXF.LXT-PA1-30-727-U-T2U-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
110°	6.7	6.7	6.7	7.1	8.8	11.3	12.0	11.7	12.0	12.0	13.1
112.5°	6.4	6.0	6.0	6.4	8.1	9.9	9.9	9.5	9.5	9.5	10.6
115°	6.0	6.0	5.7	6.0	7.4	8.5	8.5	7.8	7.8	7.8	8.8
117.5°	6.0	6.0	5.7	5.7	6.7	7.8	7.4	6.7	6.4	6.7	7.8
120°	6.0	6.0	5.3	5.3	6.4	6.7	6.7	5.7	5.7	5.7	6.7
122.5°	6.0	6.0	5.3	5.3	6.0	6.4	6.0	5.0	5.0	5.0	6.0
125°	6.4	6.0	5.3	5.3	5.7	5.7	5.3	4.6	4.2	4.2	5.3
127.5°	6.4	6.4	5.7	5.3	5.3	5.3	5.0	4.2	3.9	3.9	5.0
130°	7.1	6.7	6.0	5.3	5.0	4.6	4.2	3.9	3.9	3.9	4.6
132.5°	7.1	7.1	6.0	5.0	4.6	4.2	3.9	3.2	3.5	3.5	4.2
135°	6.7	6.4	5.3	4.6	4.2	3.5	3.2	2.8	3.2	3.2	3.9
137.5°	6.0	5.7	5.0	3.9	3.5	2.8	2.5	2.1	2.5	2.5	3.2
140°	5.0	5.0	3.9	3.2	2.8	2.5	2.1	1.4	1.8	2.1	2.5
142.5°	4.2	3.9	3.2	2.5	2.1	1.8	1.4	1.1	1.4	1.4	1.8
145°	3.5	3.2	2.5	1.8	1.4	1.1	0.7	0.7	0.7	0.7	1.1
147.5°	2.8	2.5	1.8	1.1	0.7	0.7	0.4	0.4	0.7	0.7	0.7
150°	2.1	2.1	1.4	0.7	0.4	0.4	0.0	0.4	0.4	0.4	0.4
152.5°	1.8	1.8	1.1	0.4	0.0	0.0	0.0	0.0	0.4	0.4	0.4
155°	1.1	1.1	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.4	0.0	0.0	0.0	0.0	0.0	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



REPORT NUMBER: P414577

CATALOG NUMBER: LXF.LXT-PA1-30-727-U-T2U-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
2.5°	89.8	89.1	88.4	87.7	87.0	86.6	85.6	84.9	84.9	84.9	84.5
5°	90.9	89.5	87.7	86.3	84.5	83.1	82.0	81.0	80.3	80.3	80.3
7.5°	93.3	91.9	88.7	85.9	83.4	81.3	79.9	78.8	78.5	78.1	78.1
10°	99.0	96.5	92.3	88.0	84.5	81.7	80.3	79.6	79.2	79.2	79.2
12.5°	111.7	108.2	101.8	94.8	88.7	84.5	83.1	83.1	85.2	86.3	86.3
15°	128.7	125.5	118.1	108.2	98.6	91.6	90.5	93.0	95.8	97.2	96.9
17.5°	152.0	147.8	137.9	124.8	112.1	105.0	101.8	104.3	107.8	109.6	109.6
20°	179.6	175.4	161.9	144.3	128.7	120.9	116.0	116.0	120.6	122.0	122.7
22.5°	217.5	211.1	192.0	167.6	147.4	135.4	129.4	128.3	133.7	136.1	135.4
25°	259.9	254.9	232.7	196.2	170.1	150.6	142.5	142.5	149.2	154.9	155.2
27.5°	319.3	306.9	275.8	231.2	192.0	164.8	155.9	157.7	164.8	170.4	170.4
30°	381.5	372.7	327.1	268.4	213.2	177.8	165.1	167.9	174.3	180.7	180.7
32.5°	456.8	442.0	385.8	305.1	232.7	186.3	170.1	174.0	181.4	187.7	187.7
35°	530.4	518.3	444.8	343.7	249.6	189.9	172.2	176.8	185.3	193.1	193.8
37.5°	615.9	589.8	502.4	378.3	262.0	190.6	171.5	179.6	190.9	199.8	200.1
40°	667.2	635.7	541.3	404.1	267.7	188.1	171.5	181.7	191.3	194.5	194.1
42.5°	728.0	688.4	568.6	407.3	260.6	183.2	171.1	179.3	183.5	183.5	183.2
45°	809.7	765.1	611.7	409.1	246.1	177.1	168.3	173.6	172.5	169.4	168.3
47.5°	909.8	855.7	666.5	415.5	231.9	171.1	165.1	166.5	161.6	154.5	154.2
50°	1029.3	965.6	730.8	422.2	219.6	166.2	162.3	160.9	155.9	149.9	149.2
52.5°	1141.3	1064.6	789.2	426.8	209.3	163.0	160.2	159.8	154.9	147.1	146.4
55°	1242.8	1150.9	828.4	417.9	200.1	161.6	160.2	160.5	154.2	146.4	145.3
57.5°	1389.6	1288.8	890.7	404.8	189.2	161.2	161.2	161.6	153.8	146.4	145.3
60°	1517.2	1405.1	951.8	403.8	178.6	160.9	161.6	161.2	155.6	151.0	149.9
62.5°	1561.0	1454.3	954.7	378.3	171.8	159.1	160.2	161.9	160.9	158.8	157.7
65°	1643.8	1527.1	966.7	349.7	162.3	155.9	158.4	163.0	163.7	162.3	161.2
66°	1637.8	1516.8	955.0	340.8	159.1	154.2	157.3	162.3	163.7	163.4	162.6
67.5°	1608.1	1490.3	916.5	315.7	154.5	151.0	155.6	160.5	163.7	164.8	164.1
70°	1527.8	1410.4	839.7	277.9	145.7	143.6	149.9	156.3	161.6	163.4	163.0
72.5°	1301.9	1190.1	702.6	237.3	133.3	132.9	140.4	148.1	154.5	156.3	155.6
75°	1092.9	982.9	577.0	195.5	120.6	120.9	128.0	135.4	140.4	140.4	140.7
77.5°	876.2	783.2	457.2	162.3	107.5	107.5	112.4	118.4	121.6	120.2	118.1
80°	673.9	612.4	357.1	135.8	94.4	93.7	96.2	100.8	103.2	100.1	97.6
82.5°	544.2	491.1	282.5	113.1	81.7	81.0	82.0	85.2	86.6	83.1	82.0
85°	413.0	365.2	212.5	93.0	70.7	68.9	70.7	71.4	73.2	70.0	67.9
87.5°	292.1	258.8	154.2	77.4	60.5	59.4	59.0	59.8	60.8	58.7	57.6
90°	196.2	172.2	111.4	64.7	51.6	49.9	49.1	49.1	49.9	46.3	45.3
92.5°	125.9	111.4	77.4	51.6	43.1	41.0	39.6	40.0	39.6	36.1	35.4
95°	78.5	71.1	55.9	40.7	34.7	32.9	31.5	31.1	30.8	28.3	27.6
97.5°	51.3	48.8	41.7	32.2	27.6	26.2	25.5	25.1	25.1	23.3	22.3
100°	38.2	37.1	32.9	26.9	22.6	21.6	20.9	20.9	21.6	20.2	19.4
102.5°	29.7	30.1	26.9	22.6	19.1	18.4	17.7	17.7	18.4	17.7	17.3
105°	22.6	22.6	21.9	18.7	16.3	15.9	15.2	15.2	15.9	15.9	15.9
107.5°	17.7	18.4	17.7	15.6	14.1	13.8	13.1	13.1	13.8	14.1	14.5



REPORT NUMBER: P414577

CATALOG NUMBER: LXF.LXT-PA1-30-727-U-T2U-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	14.1	14.9	14.5	13.4	12.4	12.0	11.3	11.0	11.7	12.7	12.7
112.5°	11.3	12.0	12.0	11.3	10.6	10.6	9.9	9.5	10.3	11.3	11.3
115°	9.5	10.3	10.3	9.9	9.5	9.2	8.5	8.1	8.8	9.9	10.3
117.5°	8.1	8.8	8.8	8.8	8.5	8.1	7.4	7.1	7.4	8.5	8.8
120°	7.4	7.8	7.8	7.8	7.4	7.4	6.7	6.4	6.7	7.8	7.8
122.5°	6.4	6.7	7.1	7.1	6.7	6.7	6.0	5.3	5.7	6.7	7.1
125°	5.7	6.0	6.4	6.4	6.0	6.0	5.3	5.0	5.3	6.0	6.4
127.5°	5.3	5.7	5.7	5.7	5.7	5.3	4.6	4.2	4.6	5.7	5.7
130°	5.0	5.3	5.3	5.3	5.0	4.6	4.2	3.9	4.2	5.3	5.3
132.5°	4.6	5.0	5.0	4.6	4.6	4.2	3.5	3.2	3.9	4.6	4.6
135°	3.9	4.2	4.2	4.2	3.9	3.5	3.2	2.8	3.5	3.9	3.9
137.5°	3.2	3.5	3.5	3.5	3.2	2.8	2.5	2.5	2.8	3.5	3.5
140°	2.5	2.8	2.8	2.8	2.5	2.5	2.1	1.8	2.5	2.8	2.8
142.5°	1.8	2.1	2.1	2.1	1.8	1.8	1.4	1.4	2.1	2.5	2.5
145°	1.1	1.4	1.4	1.4	1.4	1.1	1.1	1.1	1.4	1.8	1.8
147.5°	0.7	1.1	1.1	1.1	1.1	0.7	0.4	0.7	1.1	1.4	1.4
150°	0.4	0.7	0.7	0.7	0.7	0.4	0.0	0.4	0.7	1.1	1.1
152.5°	0.4	0.4	0.7	0.7	0.4	0.4	0.0	0.0	0.4	0.4	0.4
155°	0.0	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.4	0.4	0.0
157.5°	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	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)