

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: P414568

Luminaire Tested: **LXF.LXT-PA1-30-727-U-T2R-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414568
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-3)
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-T2R-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2987 lumens
Efficiency: N/A
Efficacy: 96.4 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 - G2

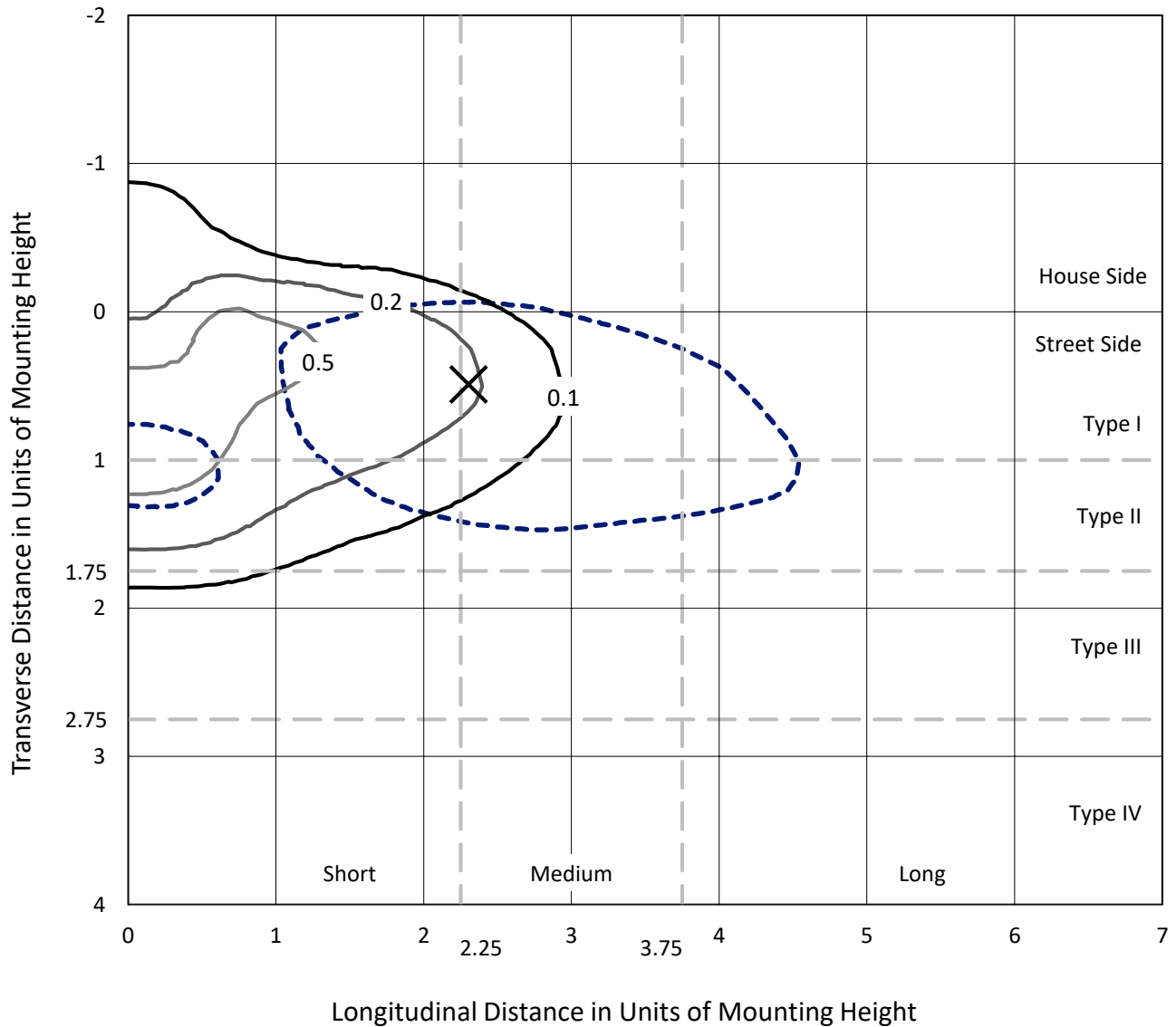
Input Watts (W): 31
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P414568
 CATALOG NUMBER: LXF.LXT-PA1-30-727-U-T2R-A

Iso-Footcandle Lines of Horizontal Illumination

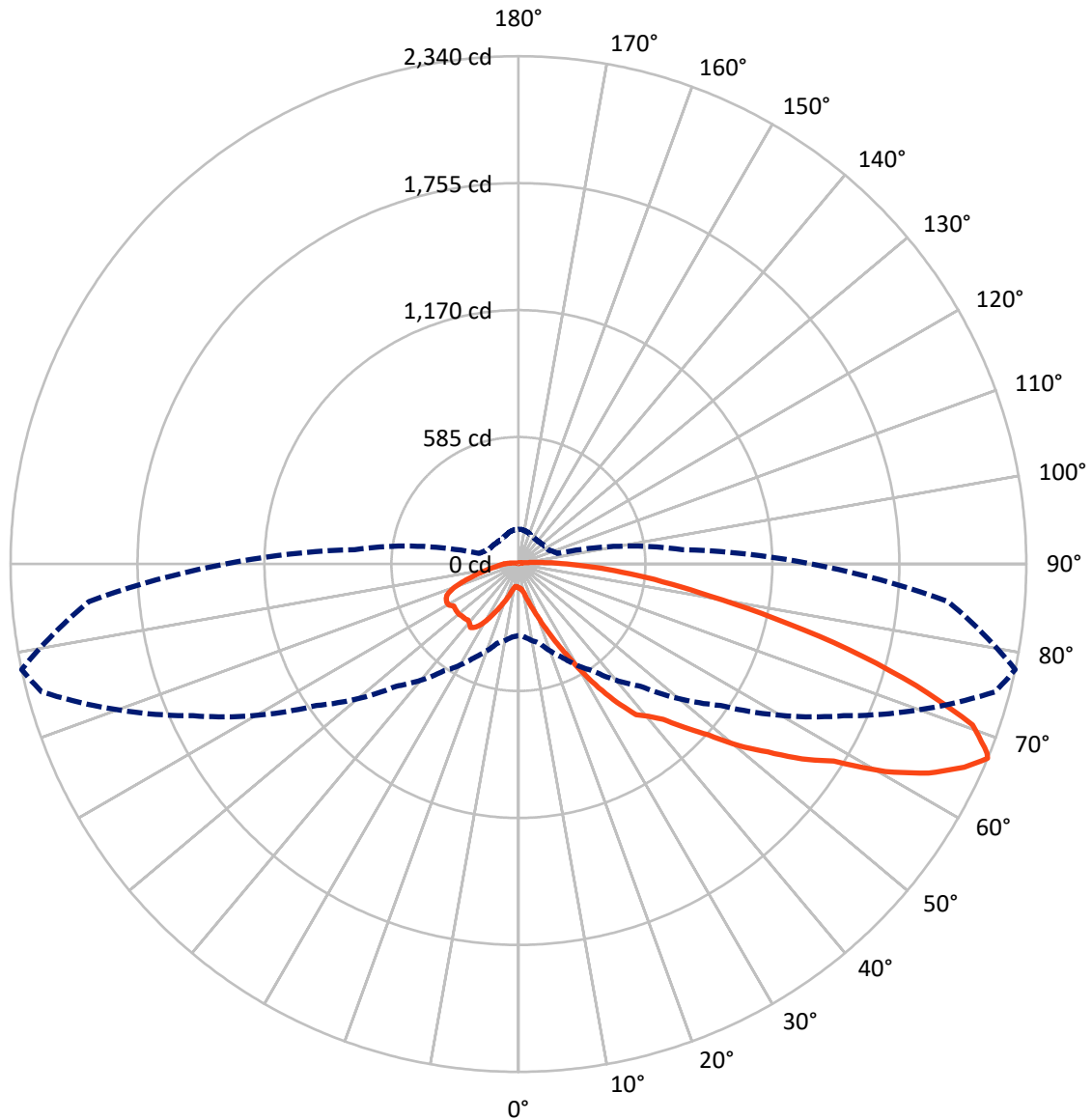
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type II - Medium - Non-Cutoff

REPORT NUMBER: P414568
CATALOG NUMBER: LXF.LXT-PA1-30-727-U-T2R-A

Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

REPORT NUMBER: P414568

CATALOG NUMBER: LXF.LXT-PA1-30-727-U-T2R-A

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	552.6	45.2	597.8
	% Fixture	18.5	1.5	20.0
Street Side	Lumens	2341.1	48.2	2389.2
	% Fixture	78.4	1.6	80.0
Total	Lumens	2893.7	93.3	2987.0
	% Fixture	96.9	3.1	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.0	0.4
10°-20°	46.5	1.6
20°-30°	139.4	4.7
30°-40°	319.0	10.7
40°-50°	509.6	17.1
50°-60°	628.0	21.0
60°-70°	654.5	21.9
70°-80°	424.4	14.2
80°-90°	161.3	5.4
90°-100°	49.8	1.7
100°-110°	19.2	0.6
110°-120°	10.3	0.3
120°-130°	6.8	0.2
130°-140°	4.5	0.2
140°-150°	2.0	0.1
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2893.7	96.9
0°-180°	2987.0	100.0



REPORT NUMBER: P414568

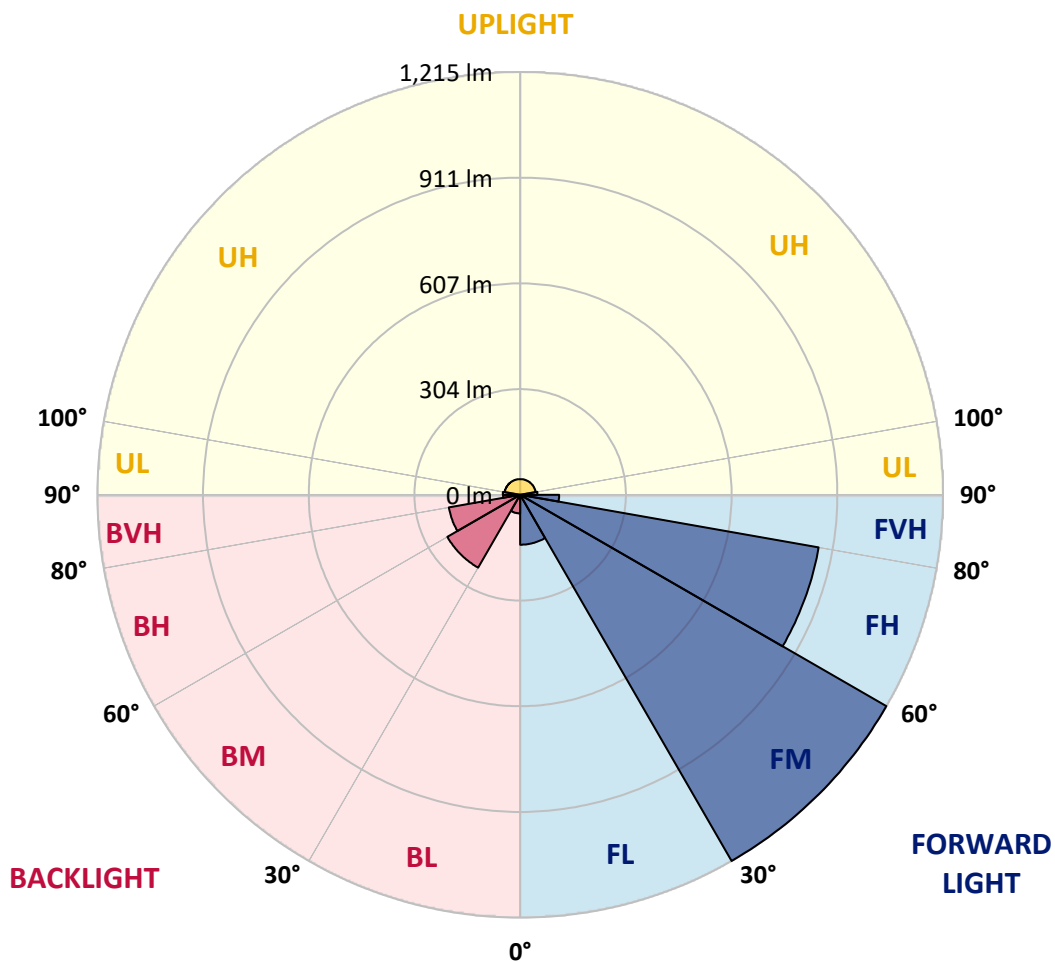
CATALOG NUMBER: LXF.LXT-PA1-30-727-U-T2R-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	143.4	4.8			
FM (30°-60°)	1215.0	40.7			
FH (60°-80°)	870.8	29.2			G1/1800
FVH (80°-90°)	111.9	3.7			G2/225
BL (0°-30°)	53.4	1.8	B0/110		
BM (30°-60°)	241.6	8.1	B1/1000		
BH (60°-80°)	208.2	7.0	B1/500		G1/500
BVH (80°-90°)	49.4	1.7			G1/100
UL (90°-100°)	49.8	1.7		U2/50	
UH (100°-180°)	45.2	1.5		U2/50	

BUG Rating: B1-U2-G2

Type II Medium





REPORT NUMBER: P414568

CATALOG NUMBER: LXF.LXT-PA1-30-727-U-T2R-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	108.9	108.9	108.9	108.9	108.9	108.9	108.9	108.9	108.9	108.9	108.9
2.5°	123.0	122.7	122.3	121.6	120.2	118.8	116.7	113.8	111.7	111.4	109.2
5°	138.6	137.5	137.5	135.8	132.9	130.1	125.9	120.9	117.0	114.9	111.7
7.5°	157.7	155.6	156.3	153.4	149.6	144.6	137.9	131.2	123.7	121.6	117.0
10°	180.7	179.3	177.8	174.3	169.7	161.9	155.6	145.7	135.8	132.9	125.9
12.5°	208.6	209.0	204.7	200.8	193.0	185.3	177.5	167.9	157.0	153.8	144.6
15°	247.8	247.5	242.9	234.1	224.5	216.0	209.7	199.4	188.8	185.3	171.5
17.5°	293.8	292.7	289.2	273.7	264.1	257.4	248.2	241.8	226.6	222.7	205.8
20°	361.0	354.6	346.5	325.6	311.5	303.0	295.6	287.4	271.2	264.5	244.3
22.5°	435.6	438.8	423.9	391.7	368.1	352.5	344.7	340.5	328.1	323.5	293.1
25°	528.2	528.2	504.9	469.5	438.8	409.8	408.0	413.0	396.3	393.2	361.0
27.5°	625.8	629.7	598.9	561.1	514.4	480.5	478.7	483.0	481.5	472.4	426.4
30°	737.2	733.6	699.0	653.0	591.1	551.2	546.2	577.0	579.5	573.1	522.9
32.5°	866.9	864.1	820.6	749.5	673.2	627.2	630.4	673.9	690.8	679.9	621.2
35°	1024.6	1028.1	959.9	859.8	759.1	706.1	709.6	764.0	795.9	782.4	716.3
37.5°	1186.5	1187.6	1125.0	989.6	851.4	776.1	784.5	851.0	892.0	881.1	790.2
40°	1289.1	1299.7	1239.6	1110.9	948.6	846.1	853.1	918.9	942.9	922.4	815.7
42.5°	1378.9	1387.0	1325.8	1187.6	1022.5	908.6	906.2	956.0	990.7	977.9	868.0
45°	1423.1	1439.0	1383.8	1241.0	1074.5	957.4	938.3	1012.9	1090.0	1074.1	952.8
47.5°	1390.9	1410.3	1387.0	1268.9	1097.8	988.2	992.4	1095.0	1194.7	1177.0	1045.5
50°	1285.9	1309.2	1317.0	1248.1	1103.8	1003.4	1048.6	1186.5	1320.2	1316.6	1159.3
52.5°	1159.3	1171.7	1205.6	1185.1	1081.5	1021.1	1109.5	1275.3	1449.6	1438.6	1253.7
55°	1042.3	1058.5	1086.5	1074.5	1026.4	1023.2	1157.5	1374.3	1587.1	1585.7	1372.5
57.5°	881.1	903.7	962.4	969.1	955.0	1010.1	1192.5	1452.1	1708.7	1713.7	1491.7
60°	676.4	695.4	784.5	855.6	868.0	979.3	1210.2	1537.6	1916.6	1942.4	1699.9
62.5°	548.4	551.9	619.4	708.2	792.3	923.1	1213.0	1645.8	2098.4	2121.7	1824.7
65°	410.5	409.8	472.0	573.1	690.1	857.4	1204.2	1679.7	2197.0	2256.7	1943.8
67°	329.9	337.6	377.6	473.8	601.8	795.9	1135.6	1654.6	2274.4	2340.2	1987.3
67.5°	317.1	321.0	357.4	448.3	581.6	777.5	1115.5	1648.3	2274.1	2329.9	1974.3
70°	253.1	258.4	285.0	345.1	465.3	656.9	973.7	1500.5	2139.4	2220.7	1854.4
72.5°	195.5	199.8	218.5	264.1	354.3	528.9	805.4	1291.2	1852.6	1917.0	1572.3
75°	148.8	150.3	167.9	199.1	270.5	403.4	621.9	1016.8	1523.5	1572.3	1277.7
77.5°	115.3	118.4	131.9	152.7	200.8	303.7	468.1	792.0	1212.0	1204.6	971.6
80°	89.8	92.6	102.5	117.0	150.6	223.1	342.6	585.5	885.3	894.1	711.4
82.5°	72.1	74.2	81.0	91.6	116.0	169.7	250.3	437.7	673.2	670.0	521.5
85°	57.6	59.0	64.0	73.2	89.4	128.7	184.9	325.3	475.2	479.1	356.0
87.5°	44.9	46.7	52.3	58.0	70.7	97.9	136.5	225.6	316.1	319.3	244.7
90°	35.0	36.1	41.0	47.0	57.3	74.2	98.6	154.5	203.6	199.8	157.3
92.5°	25.8	26.9	31.5	37.1	44.5	57.3	71.1	99.0	119.1	121.6	98.3
95°	18.4	19.4	23.3	27.6	33.9	43.5	50.6	62.9	73.2	71.1	62.9
97.5°	14.1	14.5	17.3	20.5	25.8	33.6	37.5	43.5	48.1	47.0	43.8
100°	11.3	11.7	13.8	15.6	20.2	26.5	30.1	33.2	36.1	35.0	33.6
102.5°	9.5	9.9	11.3	12.7	16.6	22.3	24.4	26.5	27.6	27.6	26.9
105°	8.1	8.5	9.5	11.0	14.1	18.4	19.8	20.9	21.9	21.6	21.6
107.5°	7.4	7.4	8.5	9.5	12.4	15.6	16.3	16.6	17.0	17.0	17.7



REPORT NUMBER: P414568

CATALOG NUMBER: LXF.LXT-PA1-30-727-U-T2R-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
110°	6.7	7.1	7.8	8.5	11.0	13.8	13.8	13.4	13.4	13.4	14.5
112.5°	6.4	6.7	7.1	8.1	10.3	12.0	11.7	11.0	11.0	11.3	12.4
115°	6.4	6.4	6.7	7.8	9.5	11.0	10.3	9.2	9.2	9.5	10.6
117.5°	6.4	6.4	7.1	7.8	9.2	9.9	9.2	8.1	7.8	8.1	9.2
120°	6.7	6.7	7.1	7.8	8.5	9.2	8.5	7.4	7.1	7.4	8.5
122.5°	7.1	7.1	7.1	7.8	8.1	8.5	7.8	6.7	6.4	6.7	7.8
125°	7.4	7.4	7.4	7.8	8.1	7.8	7.1	6.4	6.4	6.4	7.4
127.5°	8.1	8.1	8.1	8.1	7.8	7.4	6.7	6.0	6.4	6.4	7.1
130°	8.8	8.8	8.5	8.1	7.8	7.1	6.4	5.7	6.0	6.4	7.1
132.5°	9.2	8.8	8.5	7.8	7.4	6.4	5.7	5.3	5.7	6.0	6.7
135°	8.5	8.5	7.8	7.1	6.7	5.7	4.9	4.9	5.3	5.7	6.0
137.5°	7.4	7.4	7.1	6.4	6.0	5.3	4.6	4.2	4.9	5.3	5.7
140°	6.4	6.4	6.0	5.3	4.9	4.6	3.9	3.5	4.2	4.6	4.9
142.5°	5.3	5.3	4.9	4.2	4.2	3.9	3.2	3.2	3.9	3.9	4.2
145°	4.2	4.2	4.2	3.5	3.5	3.2	2.5	2.8	3.2	3.5	3.5
147.5°	3.5	3.5	3.5	2.8	2.8	2.5	1.8	2.1	2.5	2.8	2.8
150°	2.8	2.8	2.8	2.5	2.1	1.8	1.4	1.8	1.8	2.1	2.1
152.5°	2.1	2.1	2.1	1.8	1.8	1.1	1.1	1.4	1.4	1.8	1.8
155°	1.4	1.4	1.8	1.4	1.1	0.7	1.1	1.1	1.4	1.4	1.4
157.5°	1.1	1.1	1.1	0.7	0.7	0.7	0.7	0.7	1.1	1.1	1.1
160°	0.4	0.4	0.7	0.7	0.7	0.7	0.7	0.7	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: P414568

CATALOG NUMBER: LXF.LXT-PA1-30-727-U-T2R-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	108.9	108.9	108.9	108.9	108.9	108.9	108.9	108.9	108.9	108.9	108.9
2.5°	108.2	107.5	105.7	103.9	102.2	100.8	99.0	98.6	98.6	97.9	97.9
5°	109.6	107.5	103.2	99.7	95.8	92.6	90.2	89.1	88.0	87.3	86.6
7.5°	112.8	109.2	102.2	96.5	90.9	85.9	82.4	80.6	79.5	78.5	78.8
10°	120.2	114.9	104.7	95.5	87.0	80.3	76.0	73.9	73.2	72.1	72.1
12.5°	136.1	129.0	114.2	98.6	85.6	76.4	71.4	70.7	71.4	72.5	72.5
15°	161.2	150.6	129.0	107.5	88.7	75.7	72.8	75.0	77.4	78.8	78.8
17.5°	192.0	177.5	146.7	117.7	93.3	82.0	78.5	81.3	84.5	86.6	86.6
20°	225.9	206.5	164.8	126.6	100.1	90.9	87.0	89.4	93.7	96.9	96.5
22.5°	270.1	241.8	185.6	134.4	108.2	99.0	96.5	99.7	106.1	110.3	110.7
25°	324.9	286.0	210.0	144.6	115.6	106.1	106.8	112.4	120.9	125.5	125.5
27.5°	383.3	334.1	230.9	154.9	123.4	113.5	117.0	124.8	134.0	139.3	140.0
30°	460.3	396.0	257.0	165.1	130.1	120.9	125.2	134.4	141.1	144.3	144.6
32.5°	538.8	454.7	277.9	175.7	136.5	126.2	130.1	138.9	145.0	148.5	148.1
35°	609.9	502.0	290.3	180.7	142.1	130.1	131.9	141.4	145.0	147.1	146.7
37.5°	664.3	536.0	294.9	181.7	144.3	131.9	132.6	140.7	145.7	149.6	148.8
40°	673.5	531.4	277.5	175.4	143.9	131.9	133.3	142.5	147.8	149.6	149.2
42.5°	707.5	544.1	262.7	164.0	139.7	131.5	134.7	143.2	145.7	144.6	143.5
45°	766.5	571.0	258.4	158.4	134.4	130.5	135.4	141.4	141.1	138.9	138.2
47.5°	824.8	596.8	249.3	155.9	132.9	130.1	135.1	139.3	140.4	138.2	137.5
50°	899.1	631.1	241.8	152.4	133.3	130.1	134.4	139.3	140.0	136.5	136.1
52.5°	965.6	654.8	230.9	149.2	133.6	131.2	134.4	139.3	139.7	136.1	135.4
55°	1034.9	679.9	219.6	146.0	134.7	132.2	135.4	139.7	140.0	137.5	136.8
57.5°	1104.2	701.8	206.8	143.5	135.8	134.4	136.1	140.0	142.8	142.1	142.1
60°	1245.6	764.7	204.7	143.9	136.8	136.1	136.8	141.8	147.1	145.3	145.7
62.5°	1301.4	778.2	200.8	148.5	140.0	137.5	137.9	143.2	148.8	151.3	151.0
65°	1352.3	779.2	193.0	151.7	143.9	138.6	138.6	143.5	153.1	158.7	158.7
67°	1349.5	758.0	187.4	152.0	145.7	139.7	138.2	143.5	153.4	159.8	160.2
67.5°	1333.3	744.2	185.3	152.0	146.0	139.7	137.9	143.2	153.4	160.2	160.2
70°	1235.3	671.8	171.5	148.1	145.0	137.9	135.8	139.7	151.3	160.5	160.5
72.5°	1023.2	553.0	152.0	138.6	138.2	133.3	130.1	134.4	145.7	155.2	154.9
75°	827.0	441.9	132.6	124.5	128.0	124.5	122.0	125.2	136.1	145.7	145.0
77.5°	618.0	332.0	114.6	111.0	116.0	113.5	111.4	114.6	125.2	134.4	132.9
80°	456.8	256.0	99.7	98.3	101.8	101.1	100.4	101.8	111.0	117.0	116.0
82.5°	336.2	194.8	85.9	84.9	89.1	89.1	89.1	90.2	96.9	99.0	97.9
85°	239.0	146.7	75.7	72.8	76.4	78.1	79.2	79.5	83.1	83.4	81.0
87.5°	168.3	115.6	67.9	61.9	63.6	67.5	69.3	68.9	70.4	69.3	66.8
90°	117.4	90.9	61.5	52.7	52.7	56.6	59.4	59.0	59.4	56.6	54.1
92.5°	82.7	68.6	52.0	43.5	42.8	46.7	49.1	48.8	48.8	46.0	43.5
95°	55.5	50.6	41.4	35.0	33.9	37.1	39.6	38.9	38.9	36.1	35.0
97.5°	41.0	38.5	33.9	29.7	27.6	29.3	31.1	31.1	31.5	29.7	28.6
100°	32.2	31.1	29.0	25.5	23.3	23.7	24.7	24.7	26.2	24.7	24.0
102.5°	26.9	26.2	24.4	21.9	20.2	19.8	20.5	20.9	22.6	21.6	21.2
105°	22.3	21.9	20.9	18.7	17.3	17.3	17.3	17.7	19.4	18.7	18.7
107.5°	18.0	18.0	18.0	16.3	15.2	15.2	14.8	15.2	16.6	16.6	16.6



REPORT NUMBER: P414568

CATALOG NUMBER: LXF.LXT-PA1-30-727-U-T2R-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	15.2	15.2	15.6	14.1	13.4	13.4	13.1	13.4	14.8	15.2	15.2
112.5°	13.1	13.1	13.4	12.7	12.0	12.0	11.7	11.7	13.1	14.1	14.1
115°	11.3	11.7	11.7	11.3	11.0	10.6	10.3	10.6	12.0	13.1	13.1
117.5°	9.9	10.3	10.6	10.3	9.9	9.5	9.2	9.5	11.0	12.4	12.4
120°	8.8	9.2	9.5	9.5	9.2	8.8	8.1	8.8	9.9	11.3	11.7
122.5°	8.1	8.5	8.5	8.5	8.5	7.8	7.4	7.8	8.8	10.3	10.6
125°	7.8	7.8	8.1	8.1	7.8	7.1	6.7	7.1	7.8	8.8	9.2
127.5°	7.4	7.4	7.8	7.8	7.1	6.4	6.0	6.4	7.1	7.8	7.8
130°	7.4	7.4	7.4	7.1	6.7	6.0	5.3	5.7	6.4	7.1	7.1
132.5°	7.1	6.7	6.7	6.7	6.0	5.3	4.9	4.9	5.7	6.4	6.4
135°	6.4	6.4	6.0	6.0	5.7	4.6	4.2	4.2	4.9	5.7	5.7
137.5°	5.7	5.7	5.3	5.3	4.9	4.2	3.5	3.9	4.6	4.6	4.9
140°	4.9	4.9	4.6	4.6	4.2	3.5	2.8	3.2	3.9	3.9	4.2
142.5°	4.2	4.2	4.2	3.9	3.5	2.8	2.5	2.8	3.5	3.5	3.5
145°	3.5	3.5	3.5	3.2	2.8	2.1	1.8	2.5	3.2	2.8	2.8
147.5°	2.8	2.8	2.8	2.8	2.1	1.8	1.4	2.1	2.5	2.5	2.5
150°	2.1	2.1	2.1	2.1	1.8	1.1	1.1	1.8	2.1	2.1	2.1
152.5°	1.8	1.8	1.8	2.1	1.8	0.7	0.7	1.4	1.8	1.8	1.8
155°	1.4	1.4	1.8	1.8	1.4	0.7	0.4	1.1	1.4	1.4	1.4
157.5°	1.1	1.1	1.4	1.4	1.1	0.7	0.4	0.7	1.4	1.1	1.1
160°	0.7	1.1	1.1	1.1	1.1	0.7	0.0	0.7	1.1	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

(END OF REPORT)