

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: P414950

Luminaire Tested: **LXF.LXT-PA1-40-722-U-T3-A**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414950  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-40-722-U-T3-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2200K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS  
AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3501 lumens  
Efficiency: N/A  
Efficacy: 87.5 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type III - Short - Non-Cutoff  
BUG Rating: B1 - U3 - G2

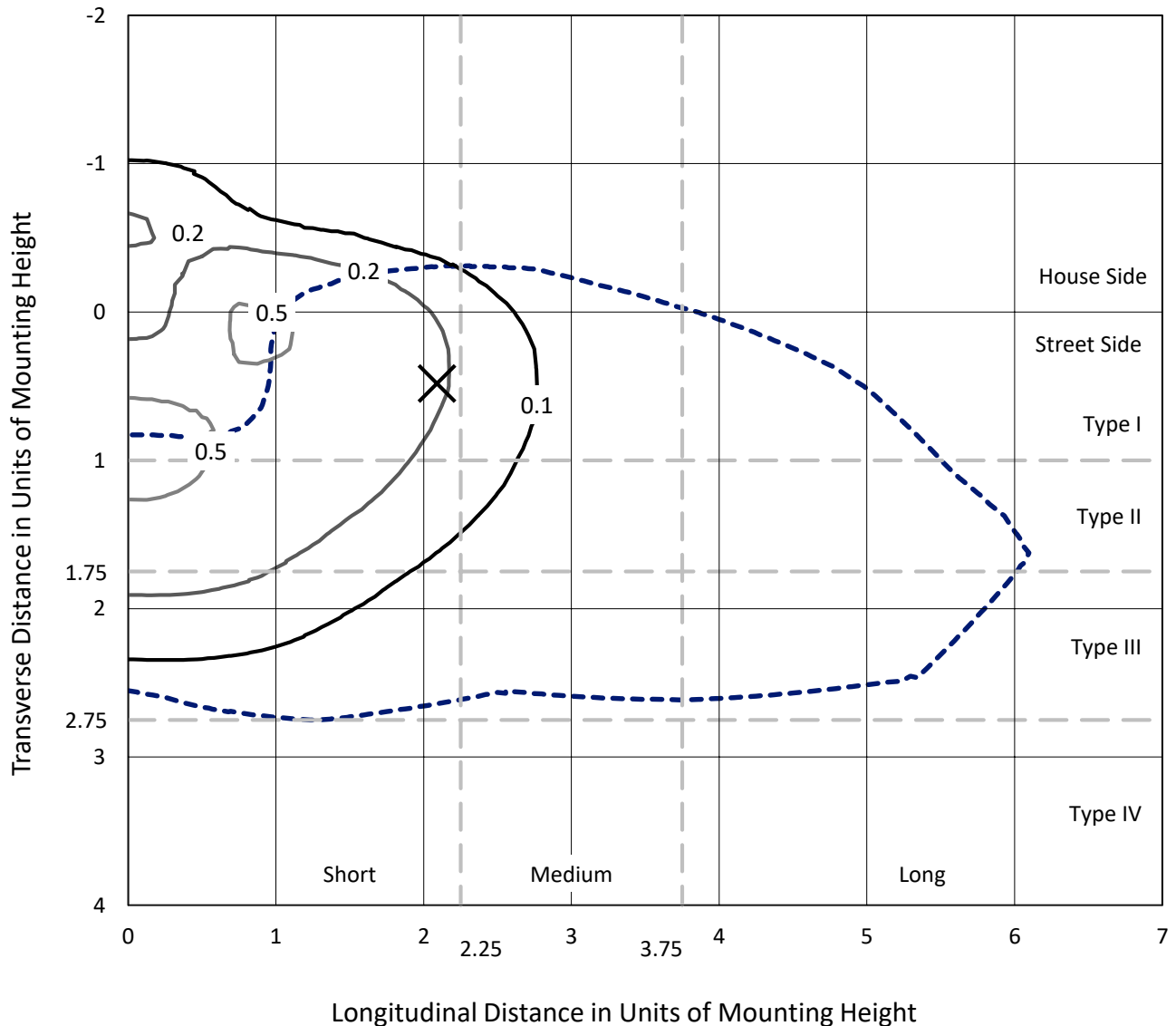
Input Watts (W): 40  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P414950  
 CATALOG NUMBER: LXF.LXT-PA1-40-722-U-T3-A

### Iso-Footcandle Lines of Horizontal Illumination

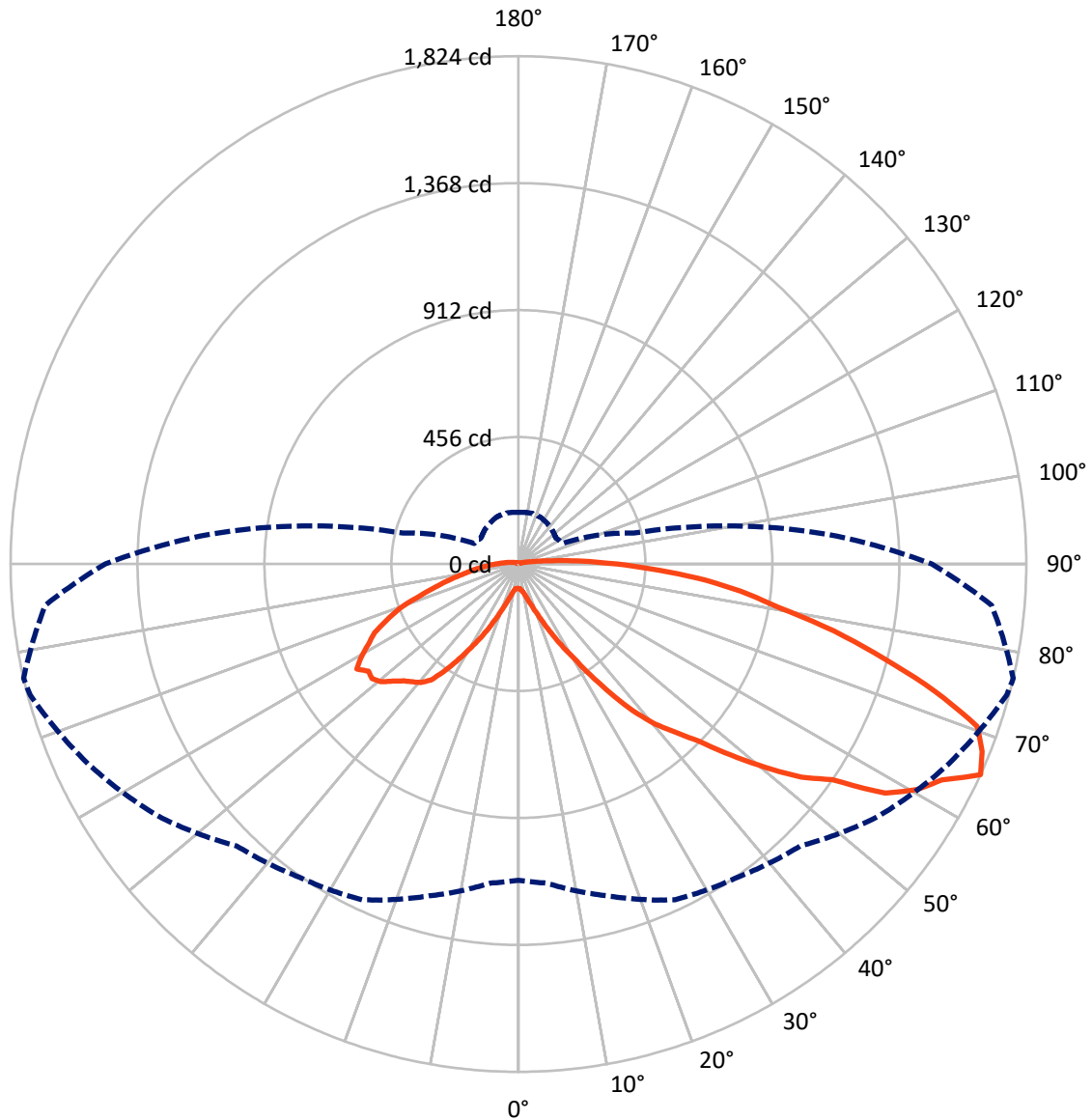
× Max cd  
 - - - 1/2 Max cd



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

REPORT NUMBER: P414950  
CATALOG NUMBER: LXF.LXT-PA1-40-722-U-T3-A

### Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical



REPORT NUMBER: P414950

CATALOG NUMBER: LXF.LXT-PA1-40-722-U-T3-A

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	771.5	54.8	826.3
	% Fixture	22.0	1.6	23.6
<b>Street Side</b>	Lumens	2606.1	68.6	2674.7
	% Fixture	74.4	2.0	76.4
<b>Total</b>	Lumens	3377.6	123.4	3501.0
	% Fixture	96.5	3.5	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	9.0	0.3
10°-20°	38.3	1.1
20°-30°	112.4	3.2
30°-40°	269.0	7.7
40°-50°	484.4	13.8
50°-60°	736.8	21.0
60°-70°	869.1	24.8
70°-80°	598.9	17.1
80°-90°	259.7	7.4
90°-100°	75.8	2.2
100°-110°	23.7	0.7
110°-120°	11.1	0.3
120°-130°	6.5	0.2
130°-140°	4.0	0.1
140°-150°	1.7	0.0
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3377.6	96.5
0°-180°	3501.0	100.0



REPORT NUMBER: P414950

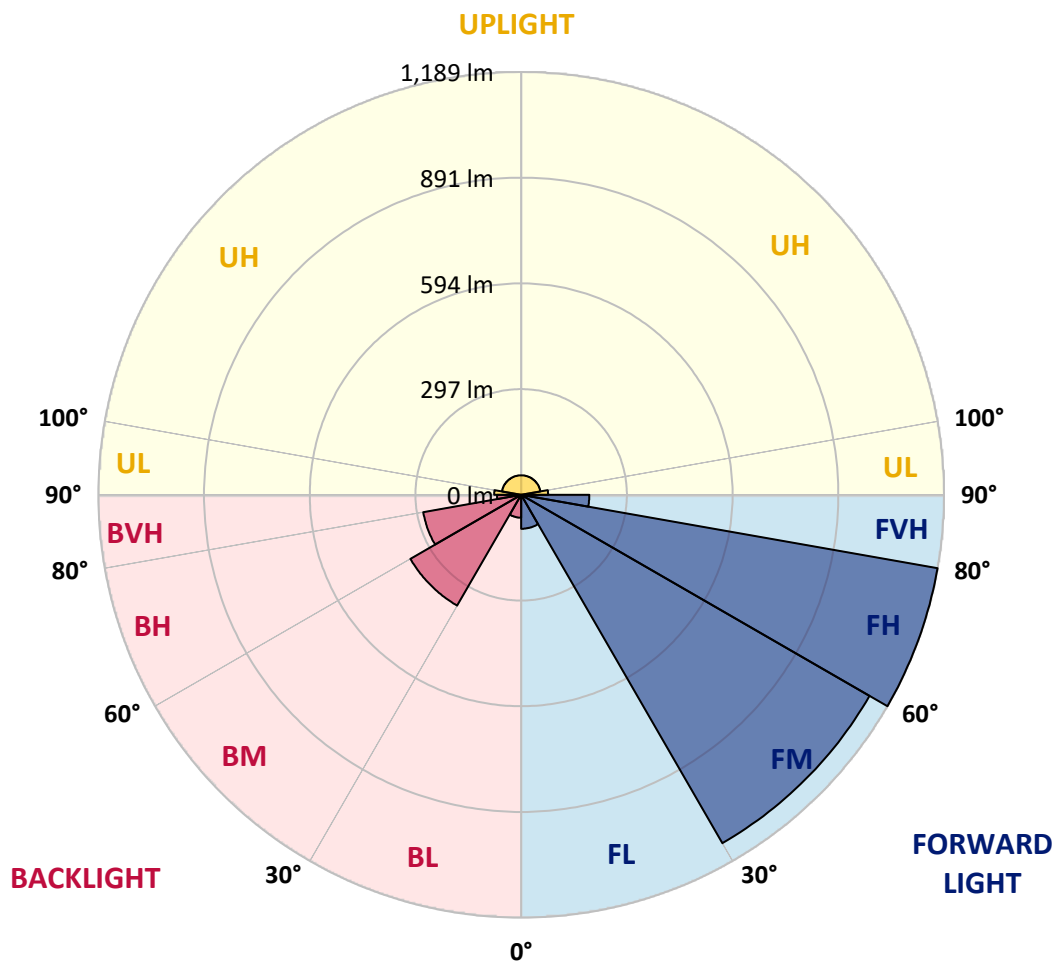
CATALOG NUMBER: LXF.LXT-PA1-40-722-U-T3-A

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	95.4	2.7			
FM	(30°-60°)	1130.6	32.3			
FH	(60°-80°)	1188.5	33.9			G1/1800
FVH	(80°-90°)	191.6	5.5			G2/225
BL	(0°-30°)	64.3	1.8	B0/110		
BM	(30°-60°)	359.6	10.3	B1/1000		
BH	(60°-80°)	279.5	8.0	B1/500		G1/500
BVH	(80°-90°)	68.1	1.9			G1/100
UL	(90°-100°)	75.8	2.2		U3/500	
UH	(100°-180°)	54.8	1.6		U3/500	

**BUG Rating: B1-U3-G2**

Type III Short





REPORT NUMBER: P414950

CATALOG NUMBER: LXF.LXT-PA1-40-722-U-T3-A

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
2.5°	94.6	94.2	94.2	94.6	93.8	93.0	91.8	90.5	89.3	89.3	88.5
5°	102.2	101.8	101.8	101.8	100.2	99.0	96.2	94.6	93.0	92.2	90.9
7.5°	112.3	111.1	111.5	111.1	108.7	106.2	103.4	100.2	98.2	97.8	95.4
10°	125.6	124.8	123.9	122.3	119.9	115.9	111.9	109.1	106.2	105.8	103.0
12.5°	144.5	143.7	142.1	138.4	133.2	128.4	124.4	121.1	119.5	118.7	115.9
15°	167.4	165.0	164.2	158.6	151.3	145.7	141.3	139.2	137.6	137.6	134.0
17.5°	194.4	194.4	190.3	182.7	173.4	166.6	162.2	158.6	159.8	159.4	157.3
20°	227.8	227.0	220.9	210.9	199.6	193.2	187.5	185.5	187.1	188.7	188.7
22.5°	276.1	274.1	264.8	249.5	233.0	222.5	218.5	218.1	224.6	226.6	229.0
25°	330.4	327.6	315.9	297.4	276.9	260.8	255.1	259.6	271.2	275.7	280.5
27.5°	396.0	394.4	376.7	351.3	326.8	305.8	299.4	313.1	328.8	330.4	340.1
30°	480.5	481.3	457.2	420.5	378.7	357.0	349.7	366.2	389.6	391.2	410.5
32.5°	578.3	578.3	542.1	497.8	443.9	413.3	406.5	433.0	469.6	475.3	493.8
35°	703.0	695.8	649.5	585.9	518.3	472.9	472.0	513.5	563.8	569.4	589.6
37.5°	814.9	819.3	772.3	689.4	598.0	545.7	552.5	605.3	668.8	670.4	692.2
40°	936.1	940.9	885.3	798.8	686.5	627.8	641.5	690.6	753.7	755.0	762.6
42.5°	1031.0	1043.5	991.6	901.4	788.0	721.2	724.4	770.2	818.9	825.0	830.2
45°	1087.8	1097.0	1068.4	996.4	877.3	814.5	806.9	844.3	907.9	906.3	913.9
47.5°	1177.1	1188.0	1144.1	1078.5	977.9	900.2	890.6	939.3	1017.3	1025.4	1018.1
50°	1269.7	1284.2	1252.4	1175.9	1072.1	996.4	997.6	1053.2	1144.1	1146.9	1151.3
52.5°	1334.5	1344.9	1332.4	1279.3	1169.1	1100.2	1111.1	1177.5	1266.8	1272.1	1254.4
55°	1344.5	1360.6	1370.7	1358.6	1275.3	1207.3	1235.1	1301.5	1361.8	1366.2	1352.6
57.5°	1341.3	1354.6	1375.9	1385.2	1343.3	1317.6	1353.4	1421.4	1537.7	1552.6	1545.7
60°	1337.7	1347.3	1391.6	1405.3	1381.5	1402.1	1459.2	1580.3	1644.3	1645.5	1583.2
62.5°	1237.1	1253.2	1336.5	1405.3	1398.8	1437.9	1563.0	1647.1	1697.8	1707.1	1647.5
65°	1136.1	1150.1	1233.8	1330.4	1373.1	1431.8	1579.1	1703.1	1815.8	1824.2	1706.3
67.5°	990.0	1012.1	1103.5	1219.8	1272.1	1365.8	1536.9	1722.8	1792.8	1796.4	1661.6
70°	806.5	836.7	939.7	1062.4	1125.2	1220.2	1442.3	1652.4	1750.2	1748.2	1587.6
72.5°	581.1	608.1	702.2	847.9	946.1	1049.9	1269.3	1512.3	1567.9	1565.9	1350.6
75°	394.8	409.3	480.1	613.3	754.6	876.5	1093.4	1311.9	1359.0	1355.4	1157.0
77.5°	258.8	275.3	321.1	435.0	566.6	707.1	917.9	1098.2	1172.3	1159.0	980.7
80°	158.6	167.8	205.6	293.8	429.4	570.6	759.0	929.2	967.4	948.1	800.8
82.5°	99.0	106.2	133.2	194.0	308.3	440.7	622.6	782.3	825.0	803.2	658.8
85°	60.8	64.4	82.9	127.6	209.3	324.0	500.6	634.6	660.8	645.1	496.6
87.5°	44.3	45.1	56.7	86.1	141.3	231.8	368.6	478.1	497.0	468.0	348.1
90°	32.6	34.2	41.9	60.8	98.2	157.3	253.9	336.4	341.3	323.6	232.6
92.5°	24.5	25.4	31.4	43.1	67.6	107.4	169.4	225.4	220.9	208.5	144.5
95°	17.7	18.1	22.5	30.6	47.5	72.0	107.9	141.3	127.2	121.9	87.7
97.5°	14.5	14.9	18.1	23.7	35.0	50.7	69.6	84.1	74.9	71.6	56.3
100°	12.5	12.5	15.3	19.7	27.4	37.8	46.3	52.7	48.3	46.7	39.8
102.5°	11.3	11.3	13.3	16.5	22.5	29.8	34.2	36.2	33.8	32.6	29.4
105°	10.1	10.1	11.7	14.1	18.9	24.1	26.2	26.6	24.1	23.7	22.5
107.5°	9.3	9.3	10.5	12.5	16.1	20.1	20.9	19.7	18.5	17.7	17.7
110°	8.0	8.5	9.3	10.9	14.1	16.9	16.9	15.3	13.7	13.7	14.1



REPORT NUMBER: P414950

CATALOG NUMBER: LXF.LXT-PA1-40-722-U-T3-A

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	7.6	7.6	8.5	10.1	12.5	14.5	13.7	12.1	10.9	10.9	11.7
115°	6.8	6.8	7.6	9.3	11.3	12.5	11.7	10.1	8.9	9.3	10.1
117.5°	6.4	6.4	7.2	8.5	10.1	10.9	10.1	8.5	7.6	8.0	9.3
120°	6.4	6.4	7.2	8.0	9.3	9.7	8.9	7.2	6.8	6.8	8.0
122.5°	6.4	6.4	6.8	8.0	8.9	8.9	7.6	6.4	6.0	6.0	7.2
125°	6.4	6.4	7.2	8.0	8.0	8.0	6.8	5.6	5.2	5.6	6.4
127.5°	6.8	6.8	7.2	7.6	7.6	7.2	6.0	5.2	4.8	5.2	6.0
130°	6.8	6.8	7.2	7.6	7.2	6.4	5.6	4.8	4.8	4.8	6.0
132.5°	6.8	6.8	7.2	7.2	6.8	5.6	4.8	4.0	4.4	4.8	5.6
135°	6.4	6.4	6.4	6.4	6.0	5.2	4.0	3.6	4.0	4.4	5.2
137.5°	6.0	6.0	6.0	6.0	5.2	4.4	3.2	2.8	3.6	3.6	4.4
140°	5.2	5.2	5.6	5.2	4.8	3.6	2.8	2.0	2.8	2.8	3.6
142.5°	4.8	4.8	4.8	4.8	4.0	3.2	2.0	2.0	2.4	2.4	2.8
145°	4.0	4.0	4.4	4.0	3.2	2.4	1.6	1.6	2.0	2.0	2.4
147.5°	3.2	3.6	3.6	3.2	2.8	2.0	1.2	1.2	1.6	1.6	2.0
150°	2.8	2.8	2.8	2.8	2.0	1.2	0.8	1.2	1.6	1.6	1.6
152.5°	2.0	2.0	2.4	2.4	1.6	0.8	0.8	1.2	1.2	1.2	1.6
155°	1.6	1.6	2.0	1.6	1.2	0.4	0.8	0.8	1.2	1.2	1.2
157.5°	0.8	0.8	1.2	1.2	0.8	0.4	0.4	0.8	0.8	0.8	1.2
160°	0.4	0.4	1.2	1.2	0.8	0.4	0.4	0.4	0.8	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





REPORT NUMBER: P414950

CATALOG NUMBER: LXF.LXT-PA1-40-722-U-T3-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
2.5°	88.1	87.3	86.9	86.1	85.3	84.5	84.5	84.5	84.1	83.7	84.1
5°	89.7	89.3	87.3	85.7	84.1	83.3	82.5	82.1	82.1	81.3	81.3
7.5°	94.2	92.6	89.7	86.9	85.3	83.7	82.5	82.1	81.7	80.9	80.9
10°	101.0	99.0	95.8	91.4	88.5	85.7	84.5	84.5	84.1	83.7	83.7
12.5°	113.9	111.5	105.8	99.8	94.2	90.1	89.3	90.5	93.0	93.4	93.4
15°	132.8	130.0	122.7	113.1	104.2	98.6	99.4	102.6	105.8	107.0	107.0
17.5°	156.1	152.9	142.5	128.4	116.7	111.5	111.1	115.5	119.9	122.3	122.3
20°	187.5	182.3	168.6	148.5	132.4	126.4	123.9	128.0	134.8	137.6	136.8
22.5°	226.6	220.5	201.2	170.6	150.5	139.6	136.4	140.9	149.3	152.9	152.5
25°	278.1	272.0	240.7	198.4	168.2	151.3	149.3	155.7	168.2	175.5	174.7
27.5°	338.0	328.0	286.1	229.4	185.5	161.0	161.4	172.2	185.1	193.2	192.4
30°	402.0	389.1	332.0	259.2	201.6	171.8	171.0	183.9	197.2	205.6	205.6
32.5°	486.5	467.6	385.1	287.7	214.1	180.3	177.5	192.0	205.6	214.5	214.1
35°	577.1	551.7	440.7	317.9	224.6	184.7	181.5	196.4	210.5	220.9	220.9
37.5°	680.9	637.9	492.6	338.8	231.8	187.1	182.7	199.6	216.9	227.8	227.0
40°	735.6	687.3	517.5	348.1	233.0	187.5	184.7	202.4	216.9	220.9	218.9
42.5°	796.8	734.4	528.0	336.8	228.6	186.7	185.9	199.6	206.0	204.8	203.6
45°	874.1	790.0	538.0	322.7	218.1	185.5	183.9	192.0	192.4	187.5	185.9
47.5°	972.7	866.4	554.5	305.8	207.7	182.7	180.7	184.3	177.5	168.6	165.8
50°	1078.5	955.0	575.1	291.4	198.0	179.1	177.1	175.9	169.0	160.2	158.6
52.5°	1170.7	1014.9	580.7	276.1	191.6	176.7	174.3	173.0	166.6	156.5	154.5
55°	1253.2	1066.0	561.0	253.1	186.3	175.1	174.3	174.3	167.4	156.9	154.9
57.5°	1416.1	1188.4	568.2	229.8	179.5	174.7	175.9	176.3	169.8	159.8	157.8
60°	1421.0	1165.0	526.0	213.3	173.4	174.7	177.5	178.3	173.8	167.0	165.8
62.5°	1467.3	1165.8	469.2	192.0	169.4	173.8	178.7	181.5	181.9	177.9	177.1
65°	1484.2	1148.9	428.2	175.1	163.8	171.8	179.1	185.9	188.3	186.3	185.5
67.5°	1419.4	1071.3	372.2	163.8	158.2	168.6	178.7	187.1	192.4	193.6	193.6
70°	1334.1	983.9	322.3	152.9	152.1	164.2	175.9	187.1	194.4	197.6	197.6
72.5°	1117.5	808.1	266.0	141.7	144.1	157.3	169.8	183.5	191.6	194.4	193.2
75°	934.8	665.2	218.9	132.0	136.0	148.9	161.4	174.7	180.3	181.9	180.7
77.5°	790.8	553.3	179.9	123.1	126.4	138.0	149.3	158.6	162.2	161.4	159.4
80°	637.4	431.8	147.7	112.3	115.5	124.8	132.8	140.0	143.7	141.7	140.4
82.5°	507.5	343.3	126.0	102.6	103.8	111.5	117.1	122.7	128.8	127.2	123.9
85°	375.5	252.7	107.0	92.2	92.2	97.8	100.6	105.8	114.3	113.9	112.7
87.5°	256.7	179.9	90.9	81.7	81.3	84.5	86.1	91.8	102.6	103.0	101.8
90°	169.0	123.1	76.1	70.8	70.0	72.4	73.6	78.5	87.3	88.1	86.5
92.5°	109.9	85.3	62.4	60.0	59.6	61.6	61.2	64.4	70.4	70.0	68.8
95°	70.4	59.6	50.7	49.5	48.3	50.7	49.9	50.7	53.9	53.1	53.1
97.5°	48.7	45.5	41.9	39.8	39.0	41.5	40.6	40.6	42.3	40.6	39.8
100°	37.4	36.2	34.6	33.0	31.4	33.4	33.4	33.4	34.6	32.2	31.4
102.5°	29.0	28.6	28.6	27.4	26.2	27.8	28.2	28.6	28.2	25.8	25.4
105°	22.9	22.9	23.7	22.5	22.1	23.3	23.7	23.3	23.3	21.3	21.3
107.5°	18.1	18.9	19.7	18.9	18.9	19.7	19.7	19.7	18.9	17.7	18.1
110°	14.9	15.7	16.9	16.1	16.1	16.9	16.5	16.1	15.7	15.3	15.3



REPORT NUMBER: P414950

CATALOG NUMBER: LXF.LXT-PA1-40-722-U-T3-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	12.9	13.3	14.1	13.7	14.1	14.5	14.1	13.3	13.3	13.3	13.7
115°	10.9	11.7	12.5	12.1	12.1	12.5	11.7	11.3	11.3	11.7	11.7
117.5°	9.7	10.5	10.9	10.9	10.5	10.9	10.1	9.7	10.1	10.5	10.5
120°	8.9	9.3	9.7	9.7	9.3	9.3	8.9	8.5	8.9	9.3	9.7
122.5°	8.0	8.5	8.5	8.9	8.5	8.0	7.6	7.6	8.0	8.5	8.5
125°	7.2	7.6	7.6	7.6	7.6	7.2	6.8	6.8	7.2	7.6	8.0
127.5°	6.4	6.8	6.8	7.2	6.8	6.4	6.0	6.4	6.8	7.2	7.2
130°	6.4	6.4	6.4	6.4	6.0	5.6	5.6	5.6	6.4	6.8	6.8
132.5°	6.0	6.4	6.0	6.0	5.6	4.8	4.8	5.2	6.0	6.4	6.4
135°	5.6	5.6	5.2	5.2	4.8	4.4	4.0	4.8	5.2	5.6	5.6
137.5°	4.8	4.8	4.4	4.0	4.0	3.6	3.6	4.0	4.8	5.2	5.2
140°	3.6	4.0	3.6	3.2	3.2	2.8	3.2	3.6	4.4	4.4	4.4
142.5°	2.8	3.2	2.8	2.4	2.4	2.4	2.4	3.2	4.0	4.0	4.0
145°	2.4	2.4	2.4	2.0	1.6	1.6	2.0	2.8	3.6	3.6	3.6
147.5°	2.0	2.0	2.0	1.6	1.2	1.2	1.6	2.4	2.8	2.8	2.8
150°	1.6	1.6	1.6	1.6	1.2	0.8	1.2	2.0	2.4	2.4	2.4
152.5°	1.6	1.6	1.6	1.2	0.8	0.4	0.8	1.6	2.0	2.0	2.0
155°	1.2	1.2	1.2	1.2	0.8	0.4	0.4	1.2	1.6	1.6	1.6
157.5°	1.2	1.2	1.2	0.8	0.4	0.0	0.4	1.2	1.6	1.2	1.2
160°	0.8	0.8	0.8	0.8	0.4	0.0	0.4	0.8	1.2	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)