

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: P415045

Luminaire Tested: **LXF.LXT-PA1-40-730-U-T2U-A**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415045  
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-PA1-40-730-U-T2U-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 500mA 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: 4323.1 lumens  
Efficiency: N/A  
Efficacy: 108.1 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: B2 - U3 - G2

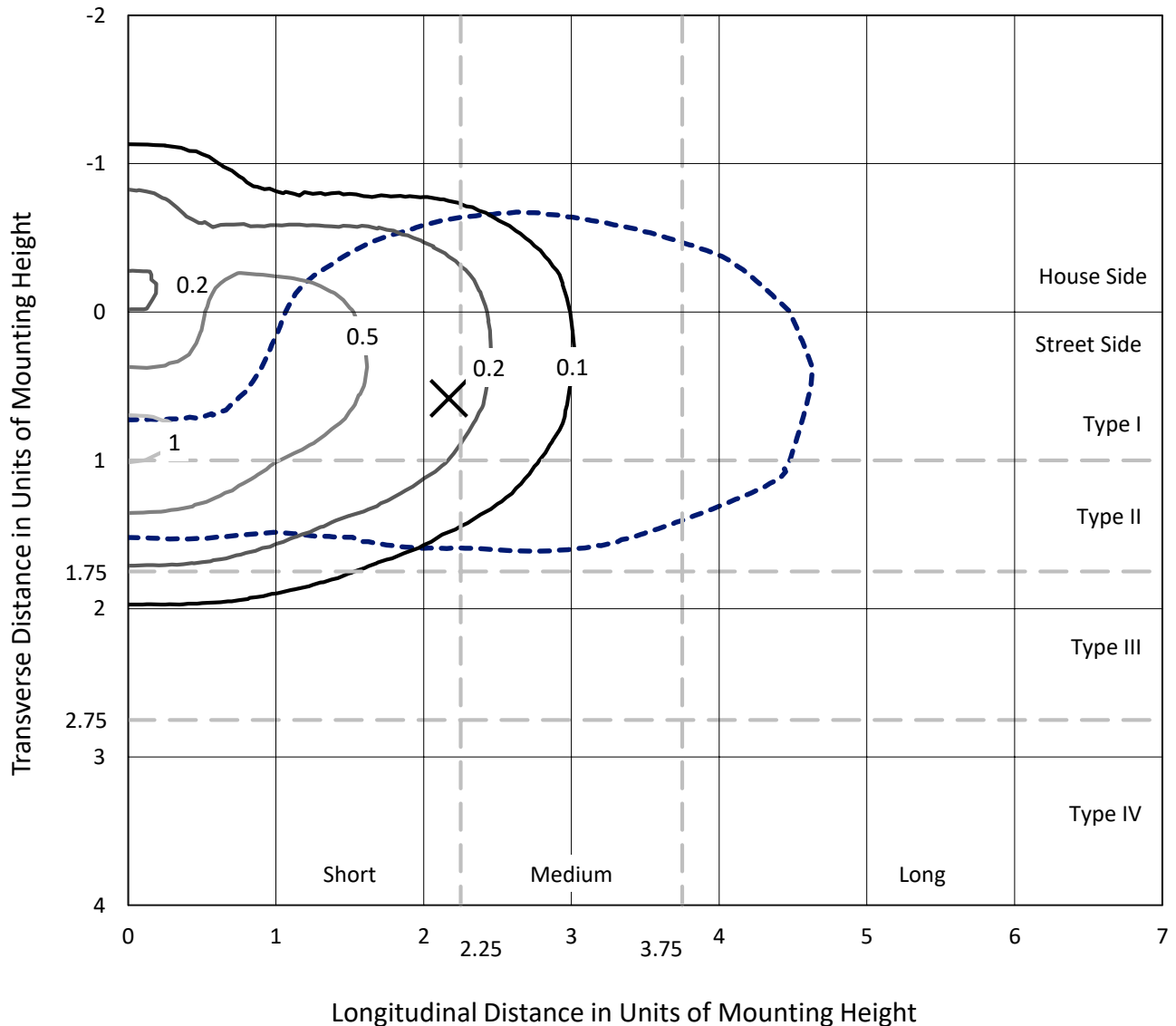
Input Watts (W): 40  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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 CATALOG NUMBER: LXF.LXT-PA1-40-730-U-T2U-A

### Iso-Footcandle Lines of Horizontal Illumination

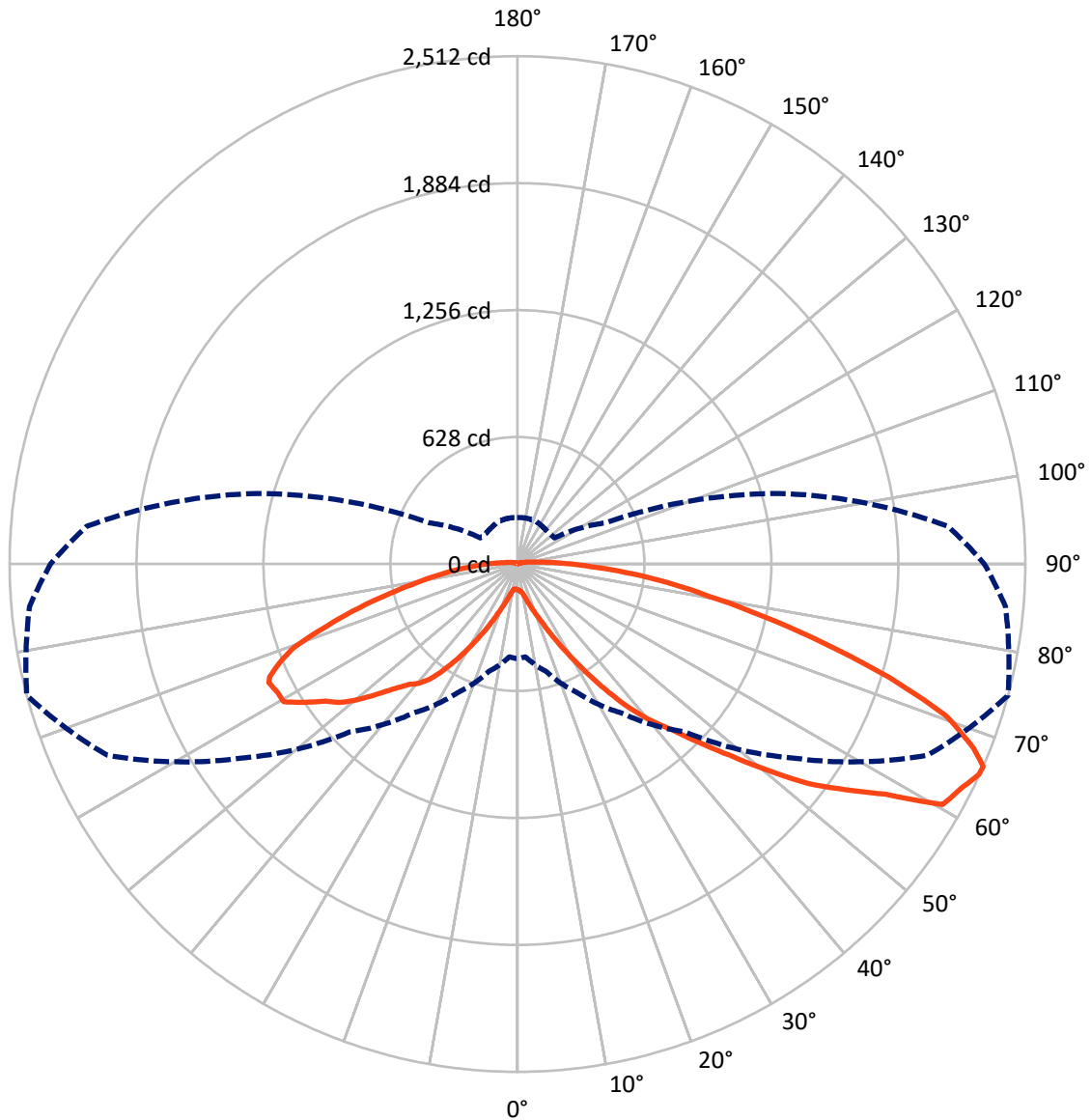
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc  
 Type II - Short - Non-Cutoff

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CATALOG NUMBER: LXF.LXT-PA1-40-730-U-T2U-A

### Luminous Intensity Polar Plot



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

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CATALOG NUMBER: LXF.LXT-PA1-40-730-U-T2U-A

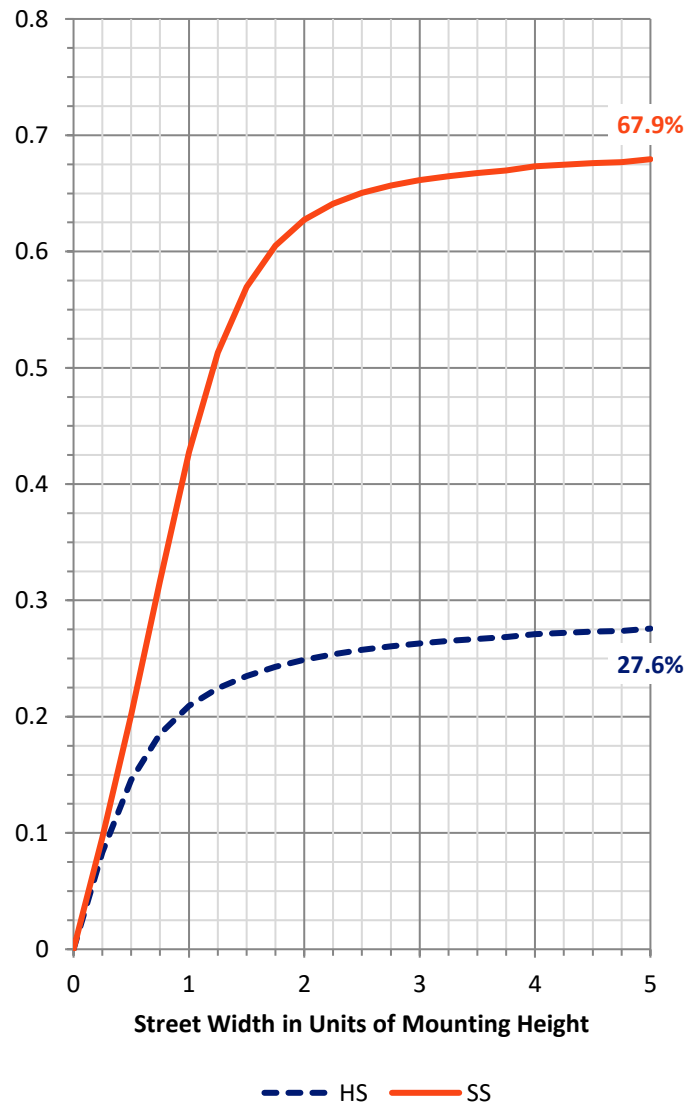
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1227.8	60.0	1287.8
	% Fixture	28.4	1.4	29.8
<b>Street Side</b>	Lumens	2976.0	59.3	3035.3
	% Fixture	68.8	1.4	70.2
<b>Total</b>	Lumens	4203.8	119.3	4323.1
	% Fixture	97.2	2.8	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	12.9	0.3
10°-20°	54.3	1.3
20°-30°	164.8	3.8
30°-40°	407.5	9.4
40°-50°	735.9	17.0
50°-60°	994.3	23.0
60°-70°	998.1	23.1
70°-80°	602.9	13.9
80°-90°	233.1	5.4
90°-100°	69.2	1.6
100°-110°	25.0	0.6
110°-120°	12.1	0.3
120°-130°	7.2	0.2
130°-140°	4.3	0.1
140°-150°	1.4	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4203.8	97.2
0°-180°	4323.1	100.0



REPORT NUMBER: P415045

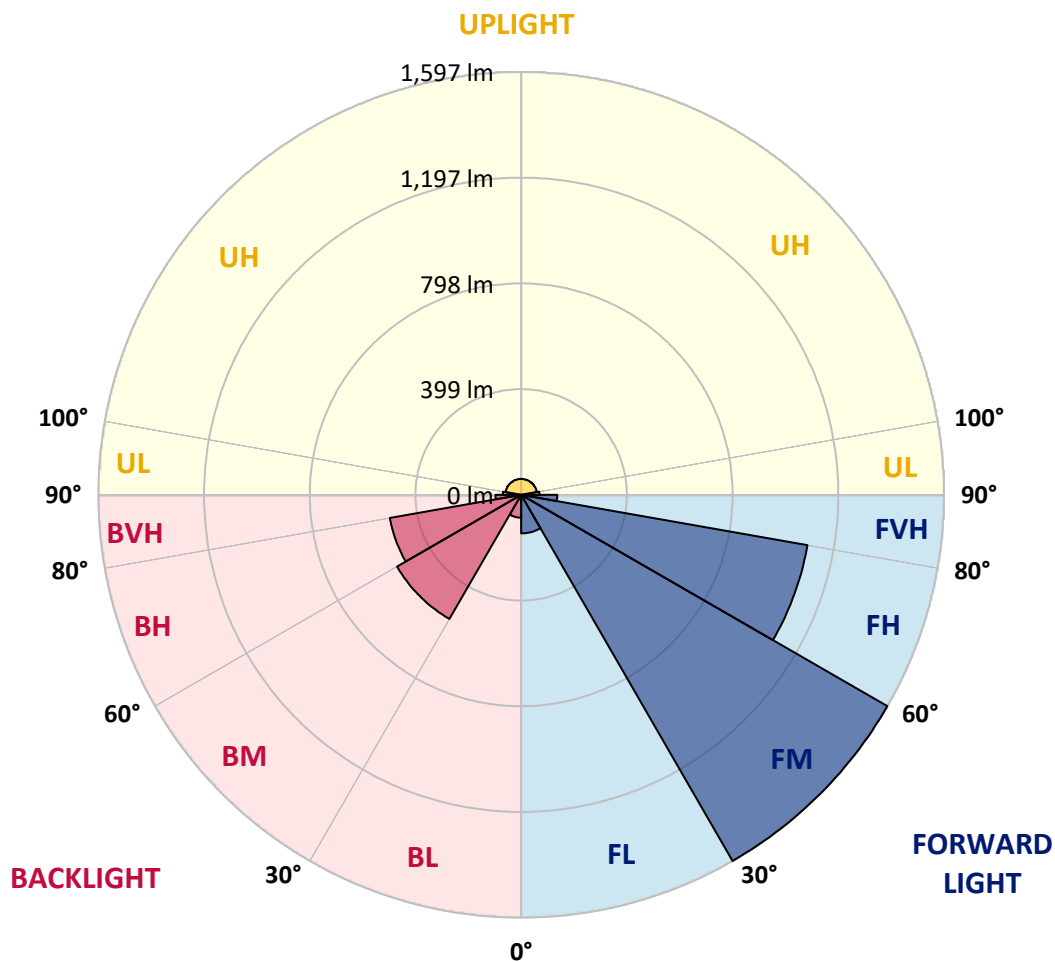
CATALOG NUMBER: LXF.LXT-PA1-40-730-U-T2U-A

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	145.6	3.4			
FM (30°-60°)	1596.6	36.9			
FH (60°-80°)	1097.6	25.4			G1/1800
FVH (80°-90°)	136.1	3.1			G2/225
BL (0°-30°)	86.3	2.0	B0/110		
BM (30°-60°)	541.2	12.5	B1/1000		
BH (60°-80°)	503.4	11.6	B2/1000		G2/1000
BVH (80°-90°)	96.9	2.2			G1/100
UL (90°-100°)	69.2	1.6		U3/500	
UH (100°-180°)	60.0	1.4		U3/500	

**BUG Rating: B2-U3-G2**

Type II Short





REPORT NUMBER: P415045

CATALOG NUMBER: LXF.LXT-PA1-40-730-U-T2U-A

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	127.6	127.6	127.6	127.6	127.6	127.6	127.6	127.6	127.6	127.6	127.6
2.5°	140.6	139.6	138.6	137.6	136.6	135.6	133.6	131.1	129.1	129.1	127.1
5°	153.5	152.6	151.1	149.1	147.1	145.1	141.1	137.1	133.1	133.1	129.6
7.5°	169.5	169.0	167.0	164.5	160.0	155.5	150.6	144.6	139.1	138.6	134.1
10°	189.9	188.9	186.0	182.5	177.5	171.5	164.5	157.0	149.1	148.6	143.1
12.5°	218.4	216.4	211.4	205.9	196.4	190.4	182.5	175.5	169.5	168.0	160.5
15°	255.3	252.8	247.3	237.8	225.3	214.4	209.9	202.4	195.9	193.9	187.0
17.5°	302.6	300.1	290.6	275.7	262.7	251.8	241.8	234.3	228.8	228.3	218.4
20°	367.4	361.4	346.0	325.0	308.1	294.6	280.7	272.2	266.7	264.7	258.7
22.5°	447.2	445.7	423.8	396.3	368.4	344.0	328.5	319.1	315.1	315.6	312.1
25°	548.9	544.4	523.5	483.6	441.7	410.8	389.4	383.4	382.9	379.4	377.9
27.5°	657.6	651.6	624.2	585.8	530.4	488.6	464.6	458.2	459.7	455.7	458.7
30°	790.7	787.7	747.8	692.0	632.1	577.3	552.4	546.9	550.4	555.4	552.4
32.5°	955.2	959.7	905.3	830.1	746.3	683.0	655.6	653.6	658.6	657.6	656.1
35°	1155.6	1163.6	1088.3	997.1	881.9	806.6	772.2	769.7	779.7	778.7	779.7
37.5°	1370.0	1373.5	1312.1	1167.6	1033.5	929.3	900.9	897.9	907.3	901.9	896.4
40°	1539.0	1555.4	1483.6	1359.5	1184.5	1078.3	1043.9	1027.5	1019.0	1013.0	973.1
42.5°	1699.0	1689.0	1638.2	1500.1	1339.6	1223.9	1178.0	1147.1	1119.7	1115.7	1071.9
45°	1803.7	1791.2	1742.9	1615.3	1464.7	1369.0	1326.6	1289.2	1258.3	1244.3	1191.5
47.5°	1809.7	1803.7	1792.2	1696.5	1564.9	1481.7	1467.7	1447.8	1413.9	1414.3	1346.5
50°	1718.5	1709.0	1742.4	1706.0	1614.8	1570.9	1623.7	1645.7	1602.3	1597.8	1527.5
52.5°	1556.9	1551.9	1612.8	1648.7	1616.3	1633.2	1758.8	1838.6	1804.7	1786.8	1696.0
55°	1393.4	1399.4	1452.2	1510.1	1563.4	1651.2	1878.5	2037.5	1970.7	1958.8	1845.6
57.5°	1170.6	1190.5	1269.3	1360.0	1443.8	1626.2	1941.3	2163.7	2146.7	2142.2	2045.5
60°	926.3	924.3	1040.9	1173.1	1310.7	1544.0	1944.8	2322.2	2416.4	2395.0	2258.4
62.5°	719.4	724.4	808.1	973.6	1158.1	1418.8	1896.9	2393.0	2455.8	2431.4	2312.2
65°	521.0	528.9	631.1	764.8	973.1	1249.8	1760.8	2296.8	2509.1	2494.2	2426.9
66°	468.1	461.1	550.9	702.4	900.4	1175.1	1675.1	2238.4	2512.1	2503.7	2423.4
67.5°	376.4	385.4	454.7	586.8	783.2	1055.9	1520.0	2145.2	2434.4	2422.9	2369.0
70°	278.7	287.2	334.5	440.2	594.3	842.0	1256.8	1853.1	2250.9	2259.4	2253.4
72.5°	206.4	215.4	247.8	324.0	439.7	626.2	996.1	1561.9	1924.9	1944.8	1930.8
75°	160.5	164.0	190.9	244.3	321.6	441.2	736.8	1210.4	1566.9	1603.8	1616.8
77.5°	129.1	132.1	154.0	188.4	240.8	322.1	516.5	902.4	1240.4	1266.3	1290.7
80°	104.2	106.2	124.1	151.6	184.5	230.3	348.5	655.6	951.7	966.7	1002.6
82.5°	83.8	85.2	98.2	121.6	147.6	175.0	247.8	457.7	747.3	761.3	806.6
85°	65.8	66.8	78.3	96.7	118.7	138.6	179.0	323.6	538.4	551.4	606.2
87.5°	51.8	52.8	61.8	75.3	95.7	109.7	132.1	217.9	363.4	381.9	444.2
90°	40.9	41.4	47.9	58.3	74.3	89.2	103.7	152.1	242.3	252.8	287.7
92.5°	30.9	31.4	36.4	44.4	57.8	70.8	79.3	105.2	155.0	159.5	184.5
95°	22.9	23.4	27.4	32.4	43.4	55.3	61.3	73.8	97.7	103.7	110.2
97.5°	17.9	18.4	20.9	23.9	31.9	43.4	48.9	54.3	66.8	68.8	73.8
100°	15.5	15.5	17.0	18.9	23.9	33.9	38.4	42.9	50.4	50.4	53.3
102.5°	13.0	13.0	14.0	15.0	19.4	26.9	30.9	33.9	37.9	38.4	40.9
105°	11.5	11.5	12.0	13.0	16.5	21.9	25.4	26.9	29.4	29.4	30.4
107.5°	10.0	10.0	10.5	11.0	14.5	18.4	20.4	20.9	21.9	21.9	23.4



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CATALOG NUMBER: LXF.LXT-PA1-40-730-U-T2U-A

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
110°	9.5	9.5	9.5	10.0	12.5	16.0	17.0	16.5	17.0	17.0	18.4
112.5°	9.0	8.5	8.5	9.0	11.5	14.0	14.0	13.5	13.5	13.5	15.0
115°	8.5	8.5	8.0	8.5	10.5	12.0	12.0	11.0	11.0	11.0	12.5
117.5°	8.5	8.5	8.0	8.0	9.5	11.0	10.5	9.5	9.0	9.5	11.0
120°	8.5	8.5	7.5	7.5	9.0	9.5	9.5	8.0	8.0	8.0	9.5
122.5°	8.5	8.5	7.5	7.5	8.5	9.0	8.5	7.0	7.0	7.0	8.5
125°	9.0	8.5	7.5	7.5	8.0	8.0	7.5	6.5	6.0	6.0	7.5
127.5°	9.0	9.0	8.0	7.5	7.5	7.5	7.0	6.0	5.5	5.5	7.0
130°	10.0	9.5	8.5	7.5	7.0	6.5	6.0	5.5	5.5	5.5	6.5
132.5°	10.0	10.0	8.5	7.0	6.5	6.0	5.5	4.5	5.0	5.0	6.0
135°	9.5	9.0	7.5	6.5	6.0	5.0	4.5	4.0	4.5	4.5	5.5
137.5°	8.5	8.0	7.0	5.5	5.0	4.0	3.5	3.0	3.5	3.5	4.5
140°	7.0	7.0	5.5	4.5	4.0	3.5	3.0	2.0	2.5	3.0	3.5
142.5°	6.0	5.5	4.5	3.5	3.0	2.5	2.0	1.5	2.0	2.0	2.5
145°	5.0	4.5	3.5	2.5	2.0	1.5	1.0	1.0	1.0	1.0	1.5
147.5°	4.0	3.5	2.5	1.5	1.0	1.0	0.5	0.5	1.0	1.0	1.0
150°	3.0	3.0	2.0	1.0	0.5	0.5	0.0	0.5	0.5	0.5	0.5
152.5°	2.5	2.5	1.5	0.5	0.0	0.0	0.0	0.0	0.5	0.5	0.5
155°	1.5	1.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.5	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: P415045

CATALOG NUMBER: LXF.LXT-PA1-40-730-U-T2U-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	127.6	127.6	127.6	127.6	127.6	127.6	127.6	127.6	127.6	127.6	127.6
2.5°	126.6	125.6	124.6	123.6	122.6	122.1	120.6	119.6	119.6	119.6	119.2
5°	128.1	126.1	123.6	121.6	119.2	117.2	115.7	114.2	113.2	113.2	113.2
7.5°	131.6	129.6	125.1	121.1	117.7	114.7	112.7	111.2	110.7	110.2	110.2
10°	139.6	136.1	130.1	124.1	119.2	115.2	113.2	112.2	111.7	111.7	111.7
12.5°	157.5	152.6	143.6	133.6	125.1	119.2	117.2	117.2	120.1	121.6	121.6
15°	181.5	177.0	166.5	152.6	139.1	129.1	127.6	131.1	135.1	137.1	136.6
17.5°	214.4	208.4	194.4	176.0	158.0	148.1	143.6	147.1	152.1	154.5	154.5
20°	253.3	247.3	228.3	203.4	181.5	170.5	163.5	163.5	170.0	172.0	173.0
22.5°	306.6	297.6	270.7	236.3	207.9	190.9	182.5	181.0	188.4	191.9	190.9
25°	366.4	359.4	328.0	276.7	239.8	212.4	200.9	200.9	210.4	218.4	218.9
27.5°	450.2	432.7	388.9	326.0	270.7	232.3	219.9	222.3	232.3	240.3	240.3
30°	537.9	525.5	461.1	378.4	300.6	250.8	232.8	236.8	245.8	254.8	254.8
32.5°	644.1	623.2	543.9	430.2	328.0	262.7	239.8	245.3	255.7	264.7	264.7
35°	747.8	730.9	627.2	484.6	352.0	267.7	242.8	249.3	261.2	272.2	273.2
37.5°	868.5	831.6	708.4	533.4	369.4	268.7	241.8	253.3	269.2	281.7	282.2
40°	940.7	896.4	763.3	569.8	377.4	265.2	241.8	256.2	269.7	274.2	273.7
42.5°	1026.5	970.7	801.6	574.3	367.4	258.2	241.3	252.8	258.7	258.7	258.2
45°	1141.7	1078.8	862.5	576.8	347.0	249.8	237.3	244.8	243.3	238.8	237.3
47.5°	1282.7	1206.5	939.7	585.8	327.0	241.3	232.8	234.8	227.8	217.9	217.4
50°	1451.2	1361.5	1030.5	595.3	309.6	234.3	228.8	226.8	219.9	211.4	210.4
52.5°	1609.3	1501.1	1112.7	601.7	295.1	229.8	225.8	225.3	218.4	207.4	206.4
55°	1752.4	1622.7	1168.1	589.3	282.2	227.8	225.8	226.3	217.4	206.4	204.9
57.5°	1959.3	1817.2	1255.8	570.8	266.7	227.3	227.3	227.8	216.9	206.4	204.9
60°	2139.2	1981.2	1342.1	569.3	251.8	226.8	227.8	227.3	219.4	212.9	211.4
62.5°	2201.0	2050.5	1346.1	533.4	242.3	224.3	225.8	228.3	226.8	223.8	222.3
65°	2317.7	2153.2	1363.0	493.1	228.8	219.9	223.3	229.8	230.8	228.8	227.3
66°	2309.2	2138.7	1346.5	480.6	224.3	217.4	221.8	228.8	230.8	230.3	229.3
67.5°	2267.3	2101.3	1292.2	445.2	217.9	212.9	219.4	226.3	230.8	232.3	231.3
70°	2154.2	1988.7	1184.0	391.9	205.4	202.4	211.4	220.4	227.8	230.3	229.8
72.5°	1835.6	1678.1	990.6	334.5	187.9	187.4	197.9	208.9	217.9	220.4	219.4
75°	1541.0	1385.9	813.6	275.7	170.0	170.5	180.5	190.9	197.9	197.9	198.4
77.5°	1235.4	1104.3	644.6	228.8	151.6	151.6	158.5	167.0	171.5	169.5	166.5
80°	950.2	863.5	503.5	191.4	133.1	132.1	135.6	142.1	145.6	141.1	137.6
82.5°	767.2	692.5	398.3	159.5	115.2	114.2	115.7	120.1	122.1	117.2	115.7
85°	582.3	515.0	299.6	131.1	99.7	97.2	99.7	100.7	103.2	98.7	95.7
87.5°	411.8	364.9	217.4	109.2	85.2	83.8	83.3	84.3	85.7	82.8	81.3
90°	276.7	242.8	157.0	91.2	72.8	70.3	69.3	69.3	70.3	65.3	63.8
92.5°	177.5	157.0	109.2	72.8	60.8	57.8	55.8	56.3	55.8	50.9	49.9
95°	110.7	100.2	78.8	57.3	48.9	46.4	44.4	43.9	43.4	39.9	38.9
97.5°	72.3	68.8	58.8	45.4	38.9	36.9	35.9	35.4	35.4	32.9	31.4
100°	53.8	52.3	46.4	37.9	31.9	30.4	29.4	29.4	30.4	28.4	27.4
102.5°	41.9	42.4	37.9	31.9	26.9	25.9	24.9	24.9	25.9	24.9	24.4
105°	31.9	31.9	30.9	26.4	22.9	22.4	21.4	21.4	22.4	22.4	22.4
107.5°	24.9	25.9	24.9	21.9	19.9	19.4	18.4	18.4	19.4	19.9	20.4



REPORT NUMBER: P415045

CATALOG NUMBER: LXF.LXT-PA1-40-730-U-T2U-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	19.9	20.9	20.4	18.9	17.4	17.0	16.0	15.5	16.5	17.9	17.9
112.5°	16.0	17.0	17.0	16.0	15.0	15.0	14.0	13.5	14.5	16.0	16.0
115°	13.5	14.5	14.5	14.0	13.5	13.0	12.0	11.5	12.5	14.0	14.5
117.5°	11.5	12.5	12.5	12.5	12.0	11.5	10.5	10.0	10.5	12.0	12.5
120°	10.5	11.0	11.0	11.0	10.5	10.5	9.5	9.0	9.5	11.0	11.0
122.5°	9.0	9.5	10.0	10.0	9.5	9.5	8.5	7.5	8.0	9.5	10.0
125°	8.0	8.5	9.0	9.0	8.5	8.5	7.5	7.0	7.5	8.5	9.0
127.5°	7.5	8.0	8.0	8.0	8.0	7.5	6.5	6.0	6.5	8.0	8.0
130°	7.0	7.5	7.5	7.5	7.0	6.5	6.0	5.5	6.0	7.5	7.5
132.5°	6.5	7.0	7.0	6.5	6.5	6.0	5.0	4.5	5.5	6.5	6.5
135°	5.5	6.0	6.0	6.0	5.5	5.0	4.5	4.0	5.0	5.5	5.5
137.5°	4.5	5.0	5.0	5.0	4.5	4.0	3.5	3.5	4.0	5.0	5.0
140°	3.5	4.0	4.0	4.0	3.5	3.5	3.0	2.5	3.5	4.0	4.0
142.5°	2.5	3.0	3.0	3.0	2.5	2.5	2.0	2.0	3.0	3.5	3.5
145°	1.5	2.0	2.0	2.0	2.0	1.5	1.5	1.5	2.0	2.5	2.5
147.5°	1.0	1.5	1.5	1.5	1.5	1.0	0.5	1.0	1.5	2.0	2.0
150°	0.5	1.0	1.0	1.0	1.0	0.5	0.0	0.5	1.0	1.5	1.5
152.5°	0.5	0.5	1.0	1.0	0.5	0.5	0.0	0.0	0.5	0.5	0.5
155°	0.0	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.5	0.5	0.0
157.5°	0.0	0.0	0.0	0.5	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)