

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: P415069

Luminaire Tested: **LXF.LXT-PA1-40-730-U-T4W-TL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415069  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-23)  
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-T4W-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4293.1 lumens  
Efficiency: N/A  
Efficacy: 107.3 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 - G3

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

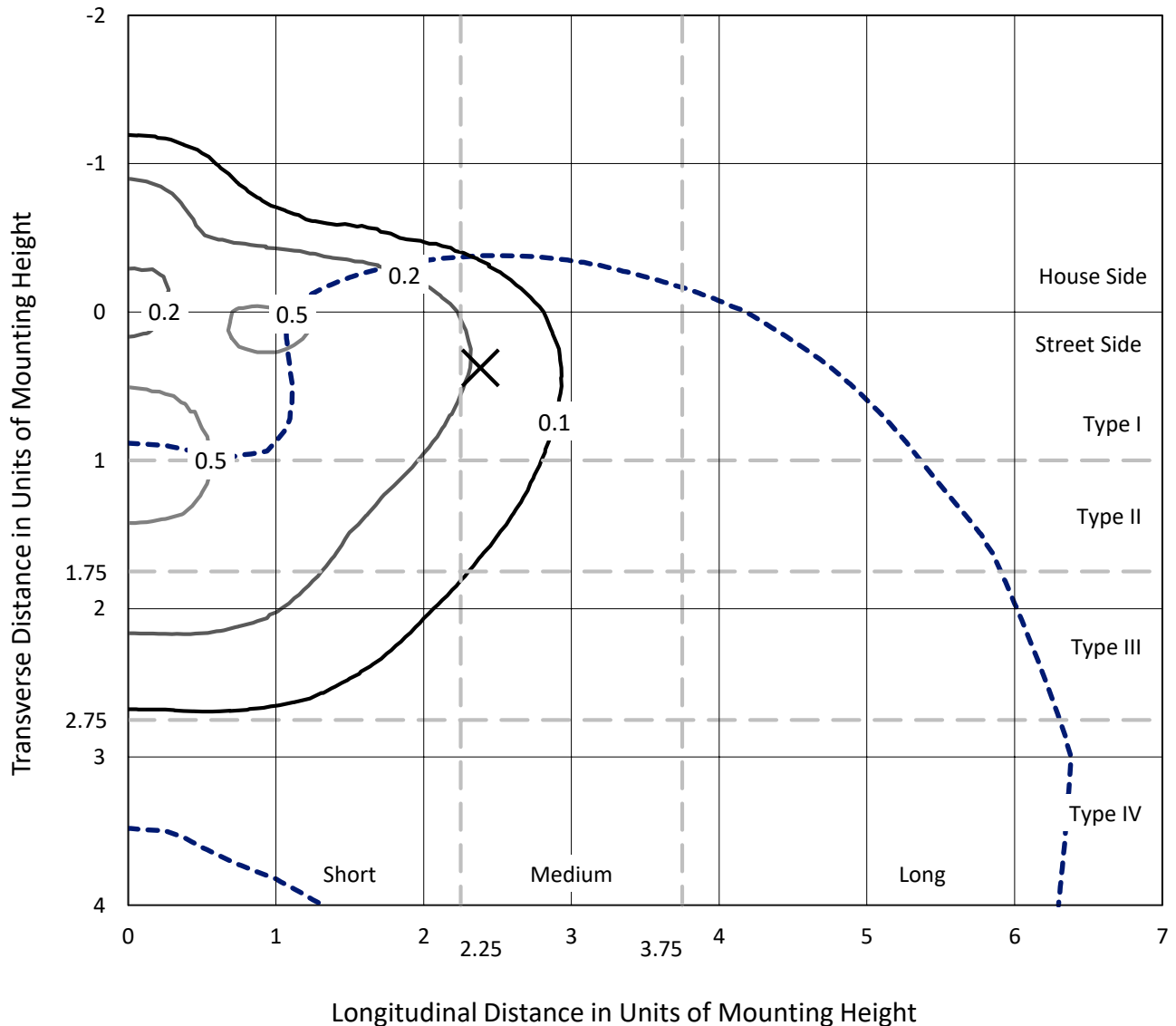


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

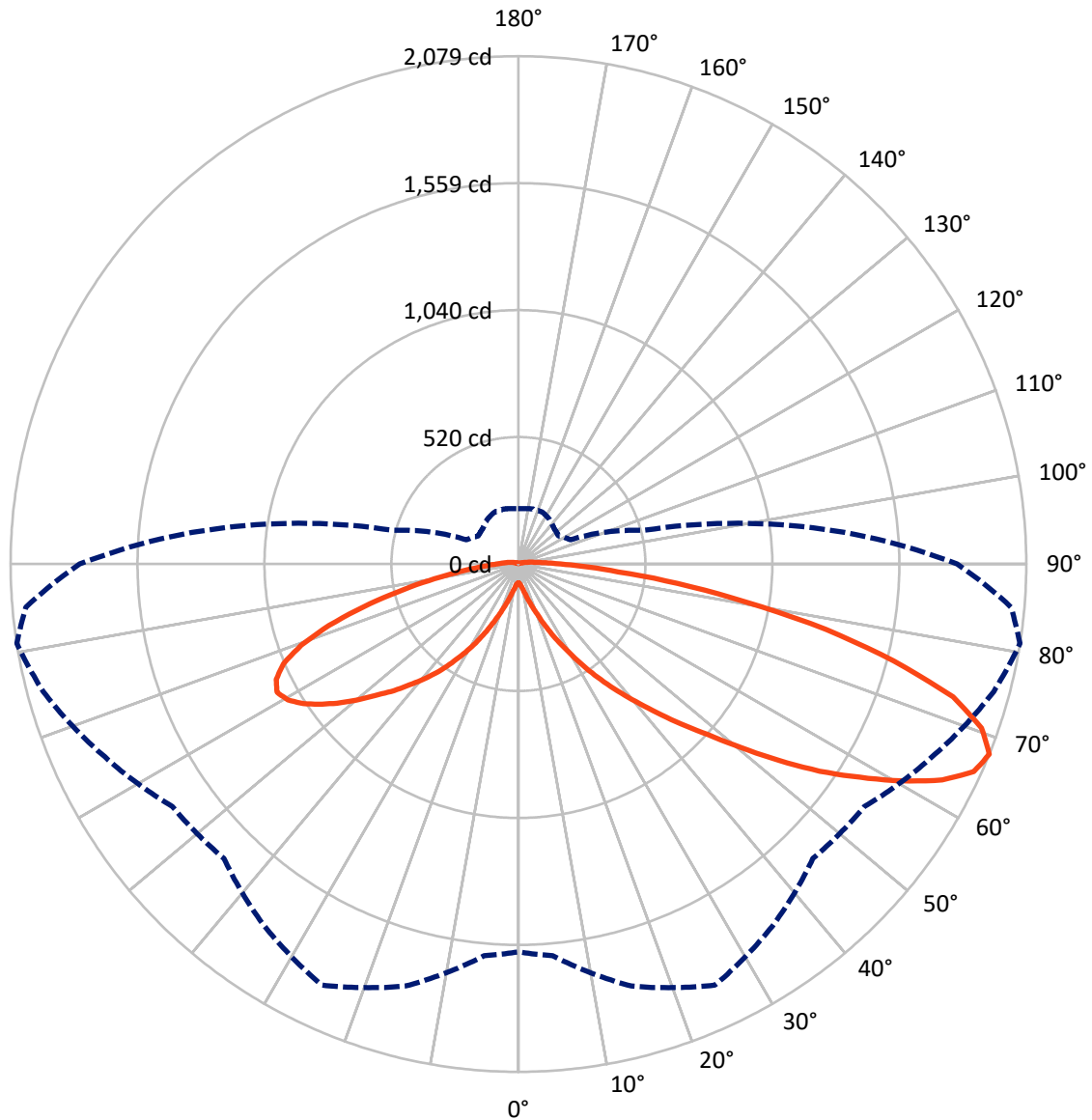


Based on 25 foot mounting height. Maximum calculated value = 0.7 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 81-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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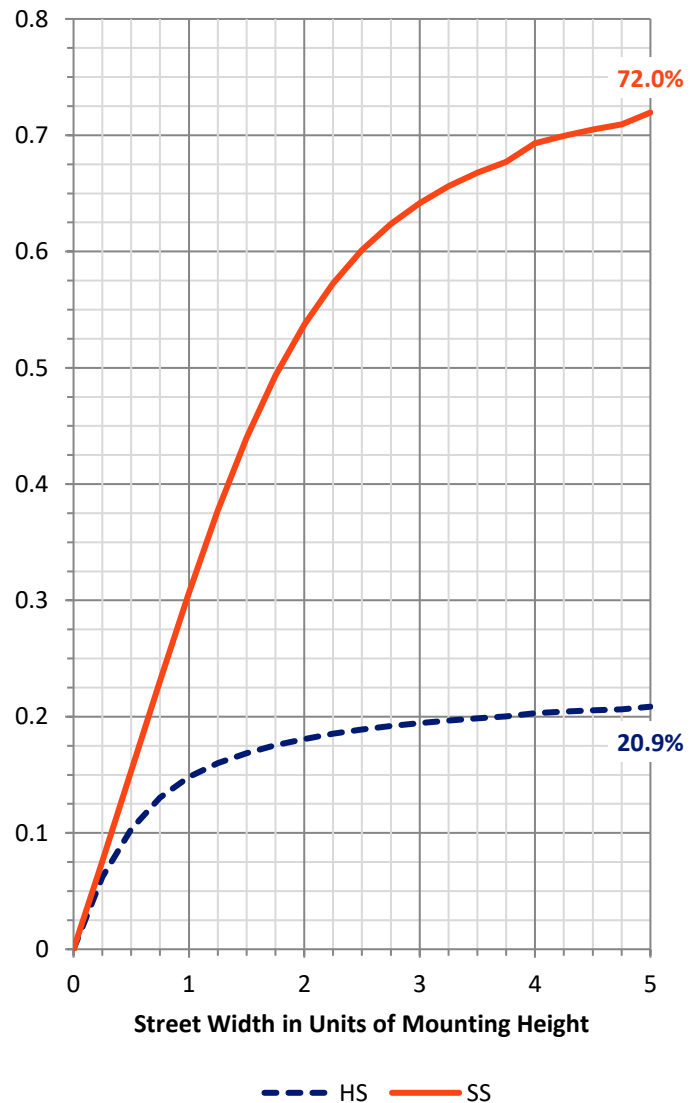
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	939.7	66.9	1006.6
	% Fixture	21.9	1.6	23.4
<b>Street Side</b>	Lumens	3202.4	84.1	3286.5
	% Fixture	74.6	2.0	76.6
<b>Total</b>	Lumens	4142.1	150.9	4293.1
	% Fixture	96.5	3.5	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	8.9	0.2
10°-20°	44.3	1.0
20°-30°	132.2	3.1
30°-40°	287.0	6.7
40°-50°	503.2	11.7
50°-60°	797.5	18.6
60°-70°	1076.2	25.1
70°-80°	923.4	21.5
80°-90°	369.4	8.6
90°-100°	89.9	2.1
100°-110°	31.6	0.7
110°-120°	14.5	0.3
120°-130°	7.8	0.2
130°-140°	4.4	0.1
140°-150°	2.0	0.0
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4142.1	96.5
0°-180°	4293.1	100.0



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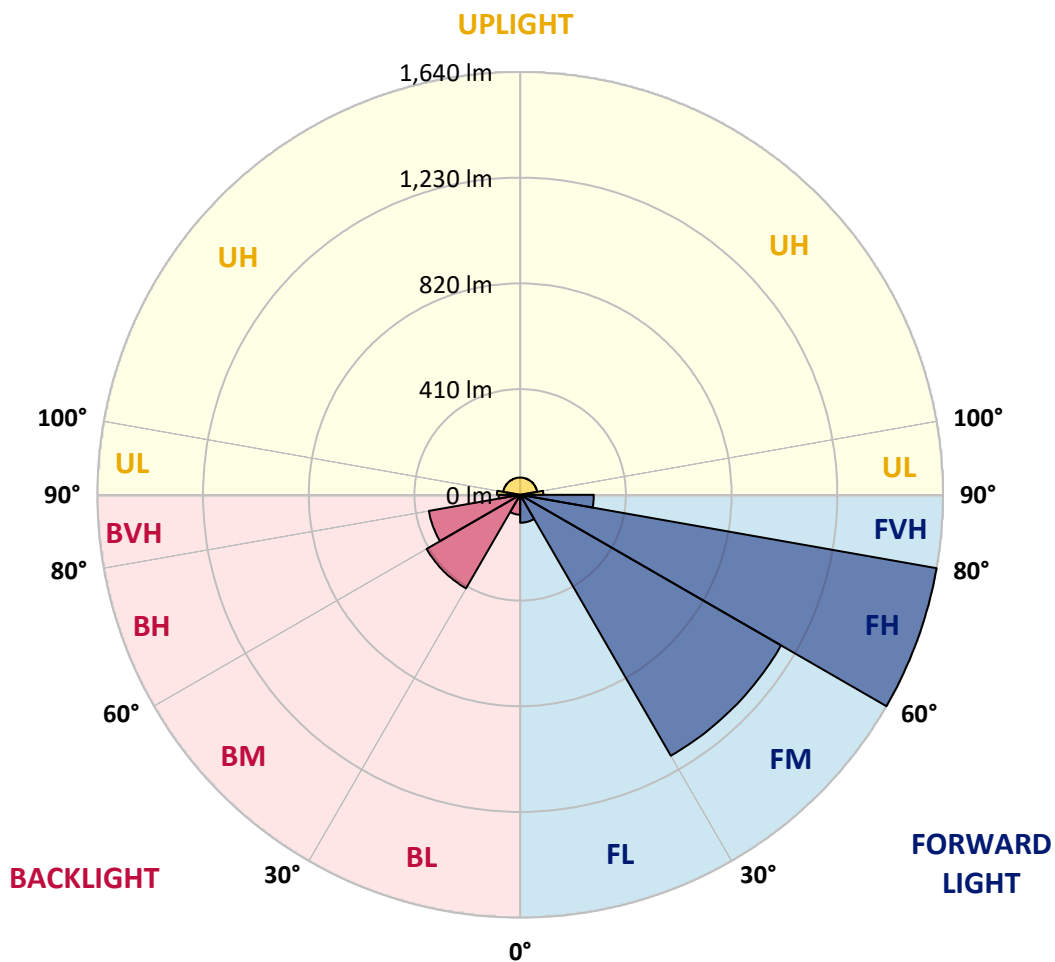
CATALOG NUMBER: LXF.LXT-PA1-40-730-U-T4W-TL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	108.3	2.5			
FM	(30°-60°)	1168.5	27.2			
FH	(60°-80°)	1640.0	38.2			G1/1800
FVH	(80°-90°)	285.5	6.7			G3/500
BL	(0°-30°)	77.1	1.8	B0/110		
BM	(30°-60°)	419.2	9.8	B1/1000		
BH	(60°-80°)	359.6	8.4	B1/500		G1/500
BVH	(80°-90°)	83.9	2.0			G1/100
UL	(90°-100°)	89.9	2.1		U3/500	
UH	(100°-180°)	66.9	1.6		U3/500	

**BUG Rating: B1-U3-G3**

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
0°	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
2.5°	84.3	83.8	83.8	84.3	84.3	84.3	82.8	81.3	79.8	79.3	78.8
5°	95.7	94.7	94.7	94.7	94.2	92.7	90.7	88.7	86.8	85.8	84.8
7.5°	110.7	110.2	109.7	108.2	107.7	105.2	102.2	99.2	96.2	95.2	94.2
10°	131.1	130.6	128.1	127.6	125.1	122.7	118.2	113.7	109.7	108.2	106.7
12.5°	157.1	157.1	153.6	149.6	146.6	141.6	137.6	132.1	129.1	127.1	125.1
15°	191.0	189.0	184.5	180.0	172.0	166.0	160.0	157.1	155.1	152.6	149.6
17.5°	228.4	225.9	221.9	212.9	202.4	194.0	188.5	185.5	184.5	183.0	179.5
20°	273.2	270.2	264.8	250.8	239.3	227.9	221.4	219.9	220.9	218.4	214.9
22.5°	326.6	324.6	313.1	295.7	279.7	263.8	257.8	258.8	260.8	264.3	262.3
25°	387.4	382.4	371.5	346.5	320.1	304.6	298.7	303.1	312.1	317.1	313.1
27.5°	458.2	455.2	433.3	400.9	366.5	345.5	341.0	354.0	369.5	373.4	373.4
30°	533.0	535.0	503.1	464.7	421.3	392.4	386.9	405.4	431.8	434.3	440.8
32.5°	627.7	624.2	590.8	528.0	476.7	439.3	435.8	461.7	495.1	508.1	508.1
35°	726.9	723.5	682.6	608.3	537.0	488.6	491.1	518.5	563.9	580.4	582.9
37.5°	841.1	829.7	785.3	693.0	602.8	546.0	541.5	582.9	636.2	659.6	659.6
40°	966.8	960.3	898.5	789.3	670.1	605.3	601.8	649.7	714.5	740.4	745.4
42.5°	1088.9	1080.4	1023.1	882.5	747.9	668.1	668.6	721.0	795.3	831.2	837.6
45°	1218.1	1210.1	1147.3	997.2	832.1	745.9	739.9	805.2	894.0	933.9	941.3
47.5°	1332.7	1327.3	1272.9	1111.4	936.9	829.2	821.2	896.5	999.2	1043.6	1066.0
50°	1457.4	1450.4	1399.5	1233.0	1041.1	917.9	917.4	998.2	1126.8	1180.7	1199.1
52.5°	1558.6	1550.6	1515.2	1355.2	1144.3	1021.6	1013.1	1112.4	1258.9	1336.2	1345.2
55°	1651.8	1648.8	1636.9	1486.3	1269.9	1123.3	1128.8	1246.5	1409.5	1496.8	1510.2
57.5°	1719.1	1723.1	1728.6	1617.9	1393.1	1237.0	1247.0	1381.1	1566.1	1647.3	1665.8
60°	1765.0	1779.0	1815.4	1732.6	1518.7	1361.2	1378.1	1514.2	1716.7	1803.4	1818.4
62.5°	1768.5	1783.5	1868.2	1839.8	1639.4	1488.3	1507.7	1651.3	1851.3	1947.5	1949.0
65°	1702.2	1722.6	1858.3	1897.6	1745.6	1610.0	1627.4	1773.5	1964.0	2049.2	2018.3
67.5°	1588.0	1609.5	1788.9	1902.6	1811.4	1704.7	1729.6	1868.2	2014.8	2079.1	2024.3
70°	1422.5	1443.4	1632.4	1827.3	1823.3	1760.5	1793.4	1907.1	2005.3	2011.8	1934.5
72.5°	1205.1	1203.1	1407.0	1662.8	1757.0	1756.0	1808.4	1877.7	1897.1	1860.7	1746.1
75°	922.9	948.8	1134.8	1425.0	1606.0	1676.8	1729.6	1756.0	1700.2	1587.5	1463.4
77.5°	661.1	682.6	851.6	1123.3	1381.6	1512.2	1570.6	1558.1	1419.5	1287.4	1144.8
80°	437.8	450.2	591.3	838.6	1113.9	1265.4	1335.7	1287.9	1111.9	942.8	819.7
82.5°	262.8	283.2	371.9	589.3	826.2	1000.2	1043.1	963.3	793.8	656.1	565.9
85°	159.1	163.5	231.3	376.9	576.9	719.5	760.4	674.6	522.0	409.8	340.0
87.5°	89.2	97.2	143.1	245.3	387.9	499.6	514.0	444.2	327.6	254.3	212.9
90°	52.4	57.8	87.8	152.1	247.3	323.1	327.1	268.7	194.0	153.1	136.1
92.5°	33.4	37.4	58.3	97.7	159.1	209.9	204.4	166.0	124.1	102.2	88.3
95°	23.9	25.9	40.9	67.3	106.7	132.1	130.1	104.2	83.3	71.3	64.8
97.5°	17.9	19.9	31.9	49.4	71.8	88.7	86.8	69.3	57.8	52.4	49.9
100°	15.0	16.0	25.9	38.9	53.3	63.8	62.8	51.4	43.4	39.4	38.4
102.5°	13.0	14.0	21.4	31.4	42.4	49.4	47.4	39.9	32.9	29.4	28.4
105°	11.5	12.0	18.4	26.9	34.9	38.9	38.4	31.9	25.4	21.9	21.4
107.5°	10.5	11.0	16.0	22.9	29.4	32.9	31.9	25.9	19.4	17.0	16.5
110°	9.5	10.0	14.0	19.9	24.9	27.9	26.4	21.4	15.5	13.0	13.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
112.5°	9.0	9.0	12.5	17.0	21.4	23.9	22.4	17.5	12.0	10.5	11.0
115°	8.5	8.5	11.0	15.0	18.9	20.9	18.9	14.5	10.0	9.0	9.0
117.5°	8.0	8.0	10.0	13.5	17.0	18.4	16.5	12.5	8.5	7.5	8.0
120°	7.5	8.0	9.5	12.0	15.0	16.0	14.5	10.5	7.0	7.0	7.5
122.5°	7.5	7.5	9.0	11.0	13.5	14.0	12.5	9.0	6.5	6.5	6.5
125°	7.5	7.5	8.5	10.0	12.0	12.5	10.5	7.5	6.0	6.0	6.0
127.5°	7.5	7.5	8.0	9.5	10.5	11.0	9.5	7.0	5.5	5.5	6.0
130°	7.0	7.5	7.5	8.5	9.5	9.5	8.0	6.0	5.0	5.0	5.5
132.5°	7.0	7.0	7.5	8.0	8.5	8.5	7.0	5.5	4.5	5.0	5.0
135°	7.0	7.0	7.0	7.5	8.0	7.5	6.0	4.5	4.0	4.5	4.5
137.5°	6.5	6.5	6.5	7.0	7.0	6.5	5.5	4.0	4.0	4.0	4.0
140°	6.0	6.0	6.0	6.0	6.5	6.0	4.5	3.5	3.5	3.5	3.5
142.5°	5.5	5.5	5.5	5.5	5.5	5.0	4.0	3.0	3.0	3.0	3.0
145°	5.0	5.0	5.0	5.0	4.5	4.0	3.0	2.5	2.5	3.0	3.0
147.5°	4.0	4.0	4.0	4.0	4.0	3.5	2.5	2.0	2.5	2.5	2.5
150°	3.5	3.5	3.5	3.5	3.0	3.0	2.0	2.0	2.0	2.5	2.5
152.5°	2.5	2.5	2.5	3.0	2.5	2.0	1.5	1.5	2.0	2.0	2.0
155°	2.0	2.0	2.0	2.0	2.0	1.5	1.0	1.5	2.0	2.0	2.0
157.5°	1.0	1.5	1.5	1.5	1.5	1.5	1.0	1.5	1.5	1.5	1.5
160°	0.5	0.5	1.0	1.0	1.5	1.5	1.0	1.0	1.5	1.5	1.5
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





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
2.5°	78.8	78.3	77.8	77.3	76.8	76.8	76.3	75.8	75.3	74.8	74.8
5°	84.3	83.3	81.8	80.8	79.8	79.8	78.8	78.3	77.3	76.8	76.8
7.5°	92.7	92.2	89.2	87.8	86.3	85.8	84.8	83.8	82.8	82.8	82.8
10°	105.2	103.7	101.2	97.2	95.7	94.7	93.2	92.2	92.2	92.7	92.7
12.5°	124.1	120.2	116.7	111.2	108.2	106.2	105.2	105.7	108.2	109.2	108.2
15°	146.1	145.1	136.6	128.6	122.7	118.7	121.2	124.1	127.6	128.6	130.1
17.5°	176.5	173.0	161.5	150.1	139.1	137.1	140.1	145.1	149.1	152.1	154.6
20°	212.9	206.9	193.0	173.0	160.5	157.6	159.5	166.5	174.0	180.0	180.5
22.5°	258.8	249.8	224.9	199.9	181.5	176.5	179.0	190.0	200.9	208.4	207.9
25°	308.6	297.7	264.3	228.4	202.9	194.0	198.4	212.9	228.4	237.3	238.3
27.5°	364.5	353.5	307.1	255.8	222.4	208.9	216.4	232.8	253.8	264.8	266.7
30°	430.3	415.3	350.0	285.2	240.3	222.9	229.9	251.3	274.2	289.7	291.7
32.5°	498.6	475.2	392.9	309.1	252.8	231.8	239.8	264.8	291.2	308.1	311.1
35°	569.4	540.5	436.3	329.6	261.8	237.3	245.3	273.2	301.1	319.6	322.1
37.5°	649.2	610.8	475.7	345.0	266.7	238.8	246.8	274.7	303.1	321.1	323.6
40°	729.4	678.1	508.6	354.5	267.2	237.3	243.8	270.7	297.7	313.1	315.6
42.5°	815.7	748.9	541.5	357.0	264.8	233.3	238.8	262.8	285.7	297.7	299.2
45°	912.4	830.7	569.4	355.0	257.8	227.4	231.3	251.8	269.7	275.2	277.7
47.5°	1014.6	911.4	590.8	349.0	250.8	220.9	223.4	240.3	251.8	252.3	252.8
50°	1139.3	1009.6	617.3	340.5	241.3	214.9	216.4	229.9	235.3	232.8	231.8
52.5°	1275.9	1114.9	634.2	327.1	232.8	209.4	210.9	221.4	223.4	217.9	218.4
55°	1424.5	1213.1	648.7	314.1	223.9	205.9	208.9	217.4	217.4	210.4	209.9
57.5°	1563.1	1313.3	655.1	297.7	216.4	203.4	208.4	216.9	215.9	209.4	208.9
60°	1697.2	1395.1	647.2	281.7	211.4	202.4	211.4	220.4	219.4	213.9	213.4
62.5°	1789.9	1446.4	627.2	265.7	206.9	203.9	214.9	225.4	225.4	219.4	219.4
65°	1829.8	1440.4	586.3	249.8	203.4	204.9	219.9	230.8	229.9	224.9	223.9
67.5°	1796.4	1386.1	531.5	234.3	200.4	205.9	222.4	233.8	232.8	227.4	226.4
70°	1689.2	1271.9	465.2	220.4	196.4	204.4	223.4	233.3	231.8	226.9	224.9
72.5°	1475.8	1094.4	395.9	206.9	190.5	200.9	220.4	229.4	227.9	223.9	221.4
75°	1215.6	882.5	327.1	192.0	183.0	194.5	213.9	221.9	219.9	216.4	213.9
77.5°	929.4	666.6	270.2	178.0	174.0	186.0	204.9	210.9	208.9	205.9	204.4
80°	657.6	474.7	217.4	162.5	161.0	173.0	189.0	195.4	194.5	191.5	189.0
82.5°	432.8	315.6	173.5	145.1	146.1	158.6	170.5	174.0	173.5	171.0	168.0
85°	266.7	207.9	136.6	125.1	129.6	139.6	149.6	150.1	148.6	148.1	143.6
87.5°	170.0	142.1	107.2	106.2	112.7	121.2	125.6	123.7	124.6	124.6	121.2
90°	110.7	99.7	85.8	88.7	95.7	102.2	104.2	98.7	101.7	100.2	98.7
92.5°	80.3	74.3	69.8	73.8	80.8	86.8	85.8	79.8	81.3	81.3	80.8
95°	60.8	57.8	58.3	62.3	67.8	71.8	69.8	64.8	65.3	64.3	62.8
97.5°	47.9	47.4	49.4	52.4	57.3	59.8	57.8	53.3	52.9	51.4	50.9
100°	37.9	38.4	41.4	44.9	47.9	49.9	48.4	43.9	41.9	39.4	38.9
102.5°	29.4	30.4	34.4	37.4	40.4	41.9	40.4	36.9	33.4	30.9	30.4
105°	22.9	23.9	28.4	31.4	33.9	34.9	33.9	29.9	26.4	23.4	23.4
107.5°	17.9	18.9	23.4	26.9	28.4	29.4	27.9	24.9	20.9	18.4	18.4
110°	14.5	15.5	19.4	22.4	23.9	24.9	23.4	19.9	17.0	15.0	15.0



REPORT NUMBER: P415069

CATALOG NUMBER: LXF.LXT-PA1-40-730-U-T4W-TL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	11.5	13.0	16.0	18.9	20.4	20.9	19.4	17.0	13.5	12.5	12.5
115°	10.0	11.0	13.5	16.0	17.5	17.5	16.5	14.0	11.0	10.5	10.5
117.5°	8.5	9.5	11.5	14.0	15.0	15.0	14.0	11.5	9.5	9.0	9.0
120°	8.0	8.5	10.0	12.0	13.0	13.0	12.0	10.0	8.0	8.0	8.0
122.5°	7.0	7.5	9.0	10.5	11.5	11.5	10.5	8.5	7.0	7.5	7.5
125°	6.5	7.0	8.0	9.0	10.0	10.0	9.0	7.5	6.5	6.5	6.5
127.5°	6.0	6.5	7.0	8.0	8.5	8.5	8.0	6.5	6.0	6.0	6.0
130°	5.5	6.0	6.5	7.0	7.5	7.5	6.5	5.5	5.5	5.5	5.5
132.5°	5.5	5.5	5.5	6.0	6.5	6.5	6.0	5.0	5.0	5.0	5.0
135°	5.0	5.0	5.0	5.0	5.5	5.5	5.0	4.5	4.5	4.5	4.5
137.5°	4.5	4.5	4.5	4.5	5.0	5.0	4.5	4.0	4.0	4.0	4.0
140°	4.0	4.0	4.0	3.5	4.0	4.0	3.5	3.5	3.5	3.5	3.5
142.5°	3.0	3.5	3.0	3.0	3.0	3.0	3.0	2.5	3.0	3.0	3.0
145°	3.0	3.0	3.0	2.5	2.5	2.5	2.5	2.0	2.5	2.5	2.5
147.5°	2.5	2.5	2.5	2.0	1.5	2.0	1.5	2.0	2.0	2.0	2.0
150°	2.5	2.5	2.0	2.0	1.5	1.0	1.0	1.5	1.5	1.5	1.5
152.5°	2.0	2.0	2.0	1.5	1.0	0.5	0.5	1.0	1.0	1.0	1.0
155°	2.0	2.0	1.5	1.5	1.0	0.5	0.5	0.5	0.5	0.5	0.5
157.5°	1.5	1.5	1.5	1.0	1.0	0.5	0.0	0.5	0.0	0.0	0.0
160°	1.5	1.5	1.5	1.0	0.5	0.5	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)