

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: P415329

Luminaire Tested: **LXF.LXT-PA1-40-830-U-T4W-TL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415329  
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-PA1-40-830-U-T4W-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 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: 3746 lumens  
Efficiency: N/A  
Efficacy: 93.7 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

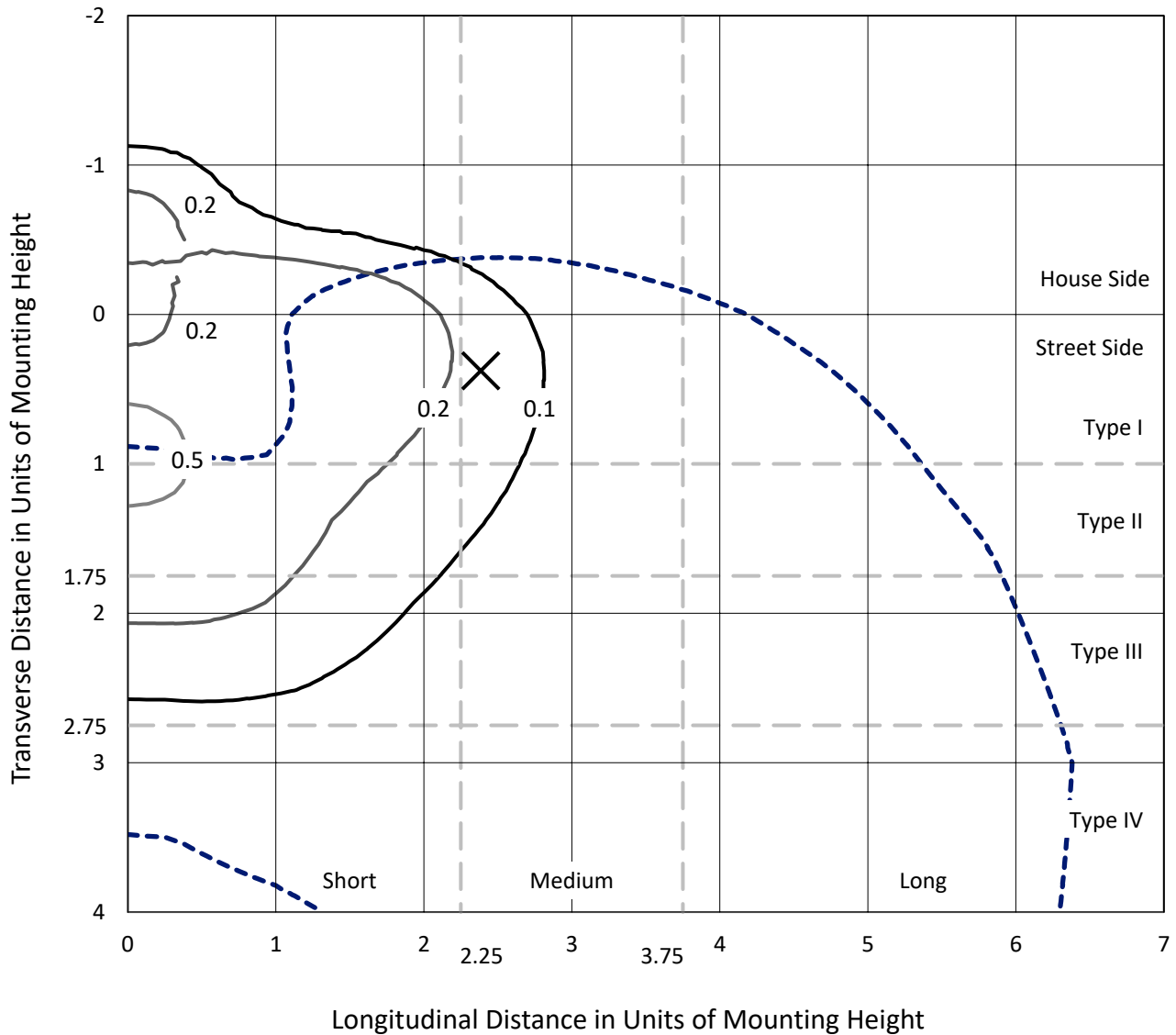
Input Watts (W): 40  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

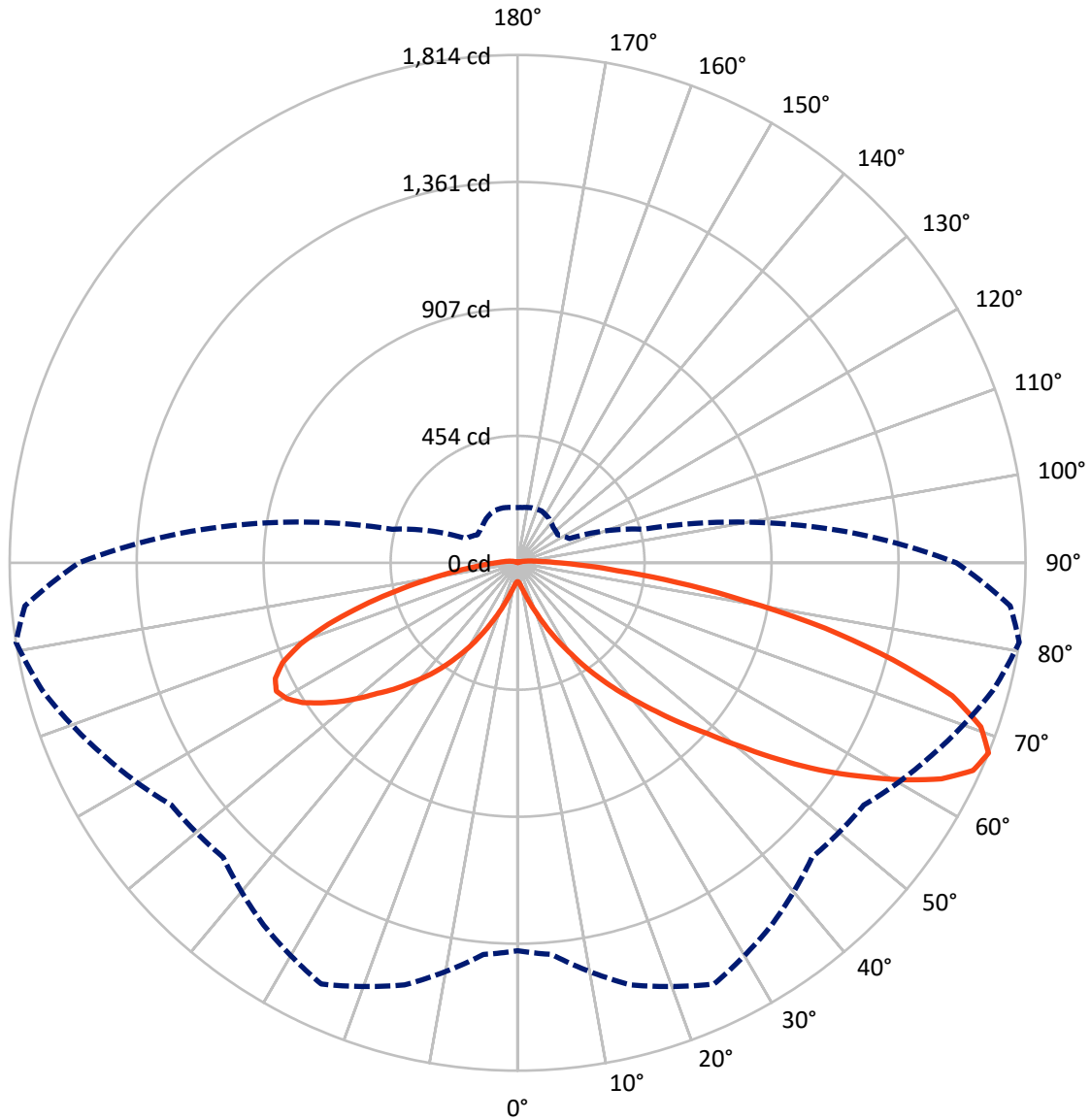
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 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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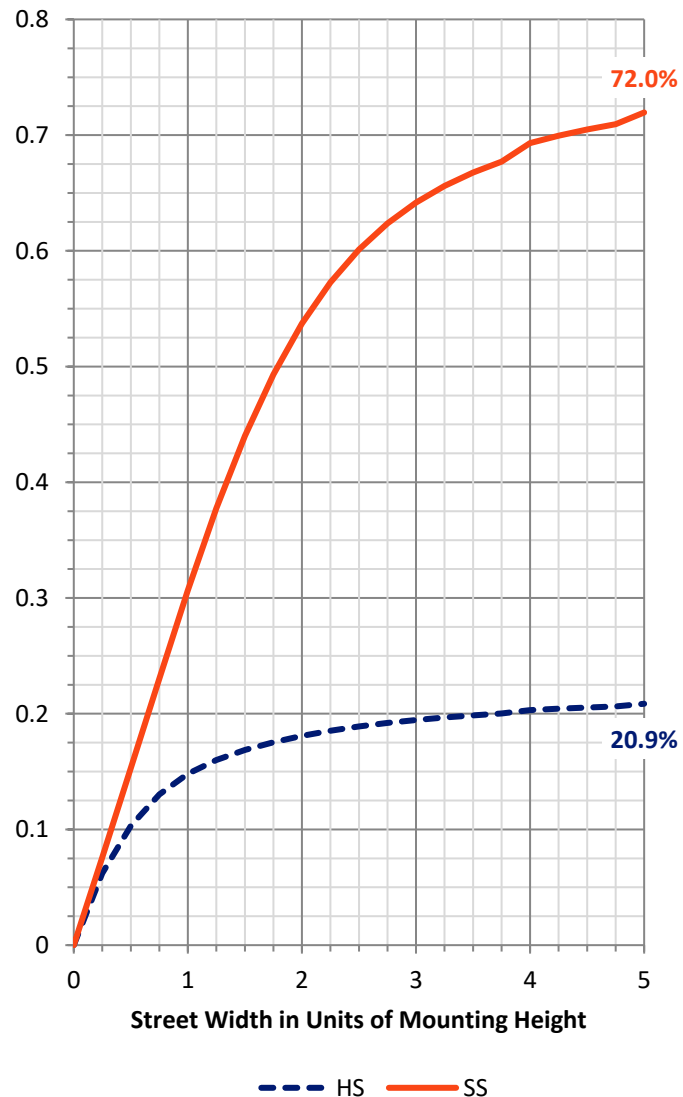
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	820.0	58.3	878.3
	% Fixture	21.9	1.6	23.4
<b>Street Side</b>	Lumens	2794.4	73.3	2867.7
	% Fixture	74.6	2.0	76.6
<b>Total</b>	Lumens	3614.3	131.7	3746.0
	% Fixture	96.5	3.5	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7.7	0.2
10°-20°	38.7	1.0
20°-30°	115.4	3.1
30°-40°	250.4	6.7
40°-50°	439.1	11.7
50°-60°	695.9	18.6
60°-70°	939.1	25.1
70°-80°	805.7	21.5
80°-90°	322.4	8.6
90°-100°	78.4	2.1
100°-110°	27.6	0.7
110°-120°	12.6	0.3
120°-130°	6.8	0.2
130°-140°	3.8	0.1
140°-150°	1.8	0.0
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3614.3	96.5
0°-180°	3746.0	100.0

**Coefficient of Utilization**



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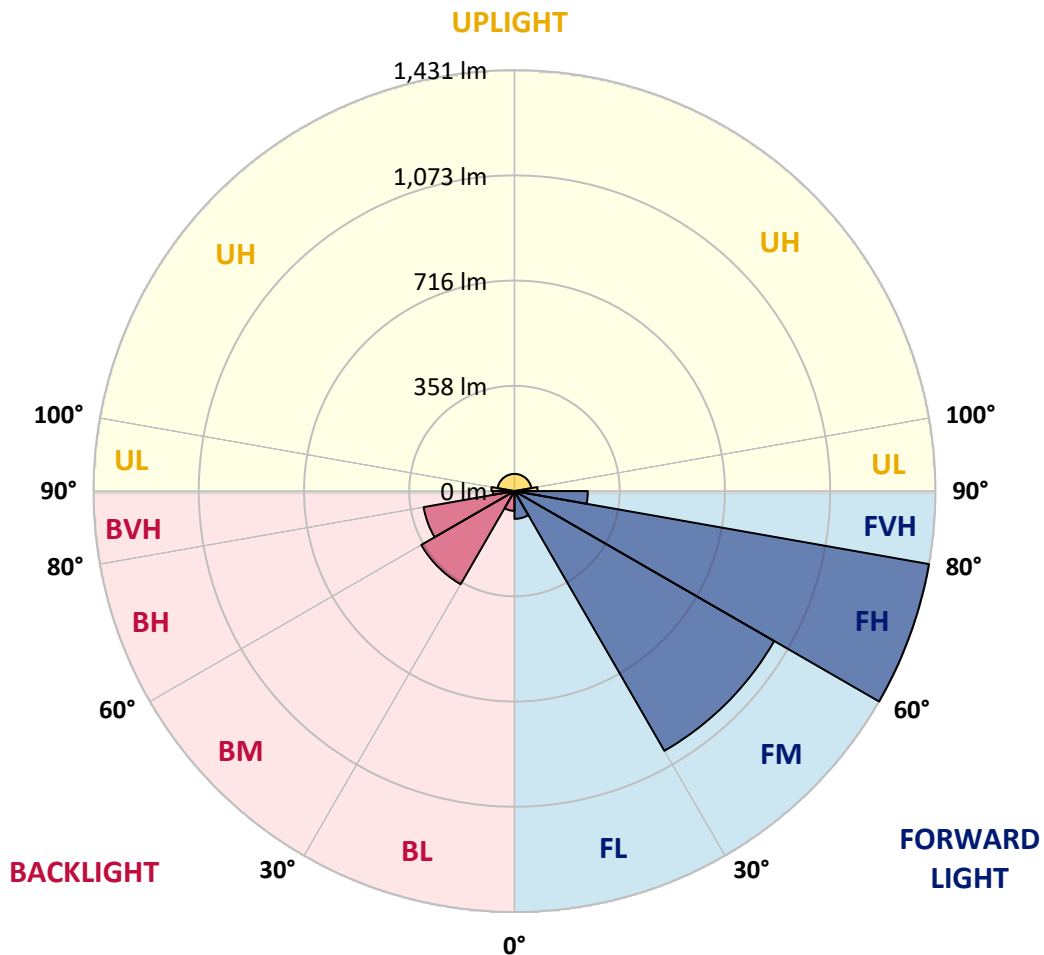
CATALOG NUMBER: LXF.LXT-PA1-40-830-U-T4W-TL

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	94.5	2.5			
FM (30°-60°)	1019.6	27.2			
FH (60°-80°)	1431.1	38.2			G1/1800
FVH (80°-90°)	249.2	6.7			G3/500
BL (0°-30°)	67.3	1.8	B0/110		
BM (30°-60°)	365.8	9.8	B1/1000		
BH (60°-80°)	313.7	8.4	B1/500		G1/500
BVH (80°-90°)	73.2	2.0			G1/100
UL (90°-100°)	78.4	2.1		U3/500	
UH (100°-180°)	58.3	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°	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
2.5°	73.5	73.1	73.1	73.5	73.5	73.5	72.2	70.9	69.6	69.2	68.7
5°	83.5	82.7	82.7	82.7	82.2	80.9	79.2	77.4	75.7	74.8	74.0
7.5°	96.6	96.1	95.7	94.4	94.0	91.8	89.2	86.6	84.0	83.1	82.2
10°	114.4	114.0	111.8	111.4	109.2	107.0	103.1	99.2	95.7	94.4	93.1
12.5°	137.0	137.0	134.0	130.5	127.9	123.6	120.1	115.3	112.7	110.9	109.2
15°	166.6	164.9	161.0	157.1	150.1	144.9	139.7	137.0	135.3	133.1	130.5
17.5°	199.3	197.1	193.6	185.8	176.6	169.2	164.5	161.8	161.0	159.7	156.6
20°	238.4	235.8	231.0	218.8	208.8	198.8	193.2	191.9	192.7	190.6	187.5
22.5°	285.0	283.2	273.2	258.0	244.1	230.1	224.9	225.8	227.5	230.6	228.8
25°	338.0	333.7	324.1	302.4	279.3	265.8	260.6	264.5	272.3	276.7	273.2
27.5°	399.8	397.2	378.1	349.8	319.8	301.5	297.6	308.9	322.4	325.9	325.9
30°	465.1	466.8	439.0	405.5	367.6	342.4	337.6	353.7	376.8	378.9	384.6
32.5°	547.7	544.7	515.5	460.7	415.9	383.3	380.2	402.9	432.0	443.3	443.3
35°	634.3	631.3	595.6	530.8	468.6	426.4	428.5	452.5	492.1	506.4	508.6
37.5°	734.0	723.9	685.2	604.7	526.0	476.4	472.5	508.6	555.1	575.6	575.6
40°	843.6	837.9	784.0	688.7	584.7	528.2	525.1	566.9	623.4	646.1	650.4
42.5°	950.2	942.8	892.7	770.1	652.6	583.0	583.4	629.1	693.9	725.2	730.9
45°	1062.9	1055.9	1001.1	870.1	726.1	650.9	645.6	702.6	780.1	814.9	821.4
47.5°	1162.9	1158.1	1110.7	969.8	817.5	723.5	716.5	782.2	871.9	910.6	930.2
50°	1271.7	1265.6	1221.2	1075.9	908.4	801.0	800.5	871.0	983.2	1030.2	1046.3
52.5°	1360.0	1353.0	1322.2	1182.5	998.5	891.4	884.0	970.6	1098.5	1166.0	1173.8
55°	1441.4	1438.8	1428.3	1296.9	1108.1	980.2	985.0	1087.7	1229.9	1306.1	1317.8
57.5°	1500.1	1503.6	1508.4	1411.8	1215.6	1079.4	1088.1	1205.1	1366.5	1437.4	1453.5
60°	1540.1	1552.3	1584.1	1511.8	1325.2	1187.7	1202.5	1321.3	1497.9	1573.6	1586.7
62.5°	1543.2	1556.2	1630.2	1605.4	1430.5	1298.7	1315.6	1440.9	1615.4	1699.4	1700.7
65°	1485.3	1503.1	1621.5	1655.8	1523.2	1404.8	1420.0	1547.5	1713.7	1788.1	1761.1
67.5°	1385.7	1404.4	1561.0	1660.2	1580.6	1487.5	1509.2	1630.2	1758.1	1814.2	1766.4
70°	1241.2	1259.5	1424.4	1594.5	1591.0	1536.2	1564.9	1664.1	1749.8	1755.5	1688.0
72.5°	1051.5	1049.8	1227.7	1450.9	1533.2	1532.3	1578.0	1638.4	1655.4	1623.7	1523.6
75°	805.3	827.9	990.2	1243.4	1401.3	1463.1	1509.2	1532.3	1483.6	1385.2	1276.9
77.5°	576.9	595.6	743.1	980.2	1205.6	1319.5	1370.4	1359.6	1238.6	1123.3	998.9
80°	382.0	392.9	516.0	731.8	971.9	1104.2	1165.5	1123.8	970.2	822.7	715.2
82.5°	229.3	247.1	324.6	514.2	720.9	872.7	910.2	840.5	692.6	572.5	493.8
85°	138.8	142.7	201.9	328.9	503.4	627.8	663.5	588.6	455.5	357.6	296.7
87.5°	77.9	84.8	124.9	214.1	338.5	435.9	448.5	387.6	285.8	221.9	185.8
90°	45.7	50.5	76.6	132.7	215.8	281.9	285.4	234.5	169.2	133.6	118.8
92.5°	29.1	32.6	50.9	85.3	138.8	183.2	178.4	144.9	108.3	89.2	77.0
95°	20.9	22.6	35.7	58.7	93.1	115.3	113.6	90.9	72.7	62.2	56.6
97.5°	15.7	17.4	27.8	43.1	62.6	77.4	75.7	60.5	50.5	45.7	43.5
100°	13.1	13.9	22.6	33.9	46.6	55.7	54.8	44.8	37.9	34.4	33.5
102.5°	11.3	12.2	18.7	27.4	37.0	43.1	41.3	34.8	28.7	25.7	24.8
105°	10.0	10.4	16.1	23.5	30.5	33.9	33.5	27.8	22.2	19.1	18.7
107.5°	9.1	9.6	13.9	20.0	25.7	28.7	27.8	22.6	17.0	14.8	14.4
110°	8.3	8.7	12.2	17.4	21.8	24.4	23.1	18.7	13.5	11.3	11.3



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
112.5°	7.8	7.8	10.9	14.8	18.7	20.9	19.6	15.2	10.4	9.1	9.6
115°	7.4	7.4	9.6	13.1	16.5	18.3	16.5	12.6	8.7	7.8	7.8
117.5°	7.0	7.0	8.7	11.7	14.8	16.1	14.4	10.9	7.4	6.5	7.0
120°	6.5	7.0	8.3	10.4	13.1	13.9	12.6	9.1	6.1	6.1	6.5
122.5°	6.5	6.5	7.8	9.6	11.7	12.2	10.9	7.8	5.7	5.7	5.7
125°	6.5	6.5	7.4	8.7	10.4	10.9	9.1	6.5	5.2	5.2	5.2
127.5°	6.5	6.5	7.0	8.3	9.1	9.6	8.3	6.1	4.8	4.8	5.2
130°	6.1	6.5	6.5	7.4	8.3	8.3	7.0	5.2	4.4	4.4	4.8
132.5°	6.1	6.1	6.5	7.0	7.4	7.4	6.1	4.8	3.9	4.4	4.4
135°	6.1	6.1	6.1	6.5	7.0	6.5	5.2	3.9	3.5	3.9	3.9
137.5°	5.7	5.7	5.7	6.1	6.1	5.7	4.8	3.5	3.5	3.5	3.5
140°	5.2	5.2	5.2	5.2	5.7	5.2	3.9	3.0	3.0	3.0	3.0
142.5°	4.8	4.8	4.8	4.8	4.8	4.4	3.5	2.6	2.6	2.6	2.6
145°	4.4	4.4	4.4	4.4	3.9	3.5	2.6	2.2	2.2	2.6	2.6
147.5°	3.5	3.5	3.5	3.5	3.5	3.0	2.2	1.7	2.2	2.2	2.2
150°	3.0	3.0	3.0	3.0	2.6	2.6	1.7	1.7	1.7	2.2	2.2
152.5°	2.2	2.2	2.2	2.6	2.2	1.7	1.3	1.3	1.7	1.7	1.7
155°	1.7	1.7	1.7	1.7	1.7	1.3	0.9	1.3	1.7	1.7	1.7
157.5°	0.9	1.3	1.3	1.3	1.3	1.3	0.9	1.3	1.3	1.3	1.3
160°	0.4	0.4	0.9	0.9	1.3	1.3	0.9	0.9	1.3	1.3	1.3
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°	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
2.5°	68.7	68.3	67.9	67.4	67.0	67.0	66.6	66.1	65.7	65.3	65.3
5°	73.5	72.7	71.4	70.5	69.6	69.6	68.7	68.3	67.4	67.0	67.0
7.5°	80.9	80.5	77.9	76.6	75.3	74.8	74.0	73.1	72.2	72.2	72.2
10°	91.8	90.5	88.3	84.8	83.5	82.7	81.4	80.5	80.5	80.9	80.9
12.5°	108.3	104.9	101.8	97.0	94.4	92.7	91.8	92.2	94.4	95.3	94.4
15°	127.5	126.6	119.2	112.2	107.0	103.5	105.7	108.3	111.4	112.2	113.6
17.5°	154.0	151.0	141.0	131.0	121.4	119.6	122.3	126.6	130.1	132.7	134.9
20°	185.8	180.6	168.4	151.0	140.1	137.5	139.2	145.3	151.8	157.1	157.5
22.5°	225.8	218.0	196.2	174.5	158.4	154.0	156.2	165.8	175.3	181.9	181.4
25°	269.3	259.7	230.6	199.3	177.1	169.2	173.2	185.8	199.3	207.1	208.0
27.5°	318.0	308.5	268.0	223.2	194.0	182.3	188.8	203.2	221.4	231.0	232.8
30°	375.5	362.4	305.4	248.9	209.7	194.5	200.6	219.3	239.3	252.8	254.5
32.5°	435.1	414.6	342.8	269.7	220.6	202.3	209.3	231.0	254.1	268.9	271.5
35°	496.8	471.6	380.7	287.6	228.4	207.1	214.1	238.4	262.8	278.9	281.1
37.5°	566.5	533.0	415.0	301.1	232.8	208.4	215.4	239.7	264.5	280.2	282.4
40°	636.5	591.7	443.8	309.3	233.2	207.1	212.7	236.2	259.7	273.2	275.4
42.5°	711.8	653.5	472.5	311.5	231.0	203.6	208.4	229.3	249.3	259.7	261.0
45°	796.2	724.8	496.8	309.8	224.9	198.4	201.9	219.7	235.4	240.2	242.3
47.5°	885.4	795.3	515.5	304.5	218.8	192.7	194.9	209.7	219.7	220.1	220.6
50°	994.1	881.0	538.6	297.1	210.6	187.5	188.8	200.6	205.3	203.2	202.3
52.5°	1113.3	972.8	553.4	285.4	203.2	182.7	184.0	193.2	194.9	190.1	190.6
55°	1243.0	1058.5	566.0	274.1	195.3	179.7	182.3	189.7	189.7	183.6	183.2
57.5°	1363.9	1146.0	571.7	259.7	188.8	177.5	181.9	189.3	188.4	182.7	182.3
60°	1481.0	1217.3	564.7	245.8	184.5	176.6	184.5	192.3	191.4	186.6	186.2
62.5°	1561.9	1262.1	547.3	231.9	180.6	177.9	187.5	196.6	196.6	191.4	191.4
65°	1596.7	1256.9	511.6	218.0	177.5	178.8	191.9	201.4	200.6	196.2	195.3
67.5°	1567.5	1209.5	463.8	204.5	174.9	179.7	194.0	204.0	203.2	198.4	197.5
70°	1474.0	1109.8	405.9	192.3	171.4	178.4	194.9	203.6	202.3	198.0	196.2
72.5°	1287.8	955.0	345.4	180.6	166.2	175.3	192.3	200.1	198.8	195.3	193.2
75°	1060.7	770.1	285.4	167.5	159.7	169.7	186.6	193.6	191.9	188.8	186.6
77.5°	811.0	581.7	235.8	155.3	151.8	162.3	178.8	184.0	182.3	179.7	178.4
80°	573.8	414.2	189.7	141.8	140.5	151.0	164.9	170.5	169.7	167.1	164.9
82.5°	377.6	275.4	151.4	126.6	127.5	138.3	148.8	151.8	151.4	149.2	146.6
85°	232.8	181.4	119.2	109.2	113.1	121.8	130.5	131.0	129.6	129.2	125.3
87.5°	148.4	124.0	93.5	92.7	98.3	105.7	109.6	107.9	108.8	108.8	105.7
90°	96.6	87.0	74.8	77.4	83.5	89.2	90.9	86.1	88.8	87.4	86.1
92.5°	70.0	64.8	60.9	64.4	70.5	75.7	74.8	69.6	70.9	70.9	70.5
95°	53.1	50.5	50.9	54.4	59.2	62.6	60.9	56.6	57.0	56.1	54.8
97.5°	41.8	41.3	43.1	45.7	50.0	52.2	50.5	46.6	46.1	44.8	44.4
100°	33.1	33.5	36.1	39.2	41.8	43.5	42.2	38.3	36.5	34.4	33.9
102.5°	25.7	26.5	30.0	32.6	35.2	36.5	35.2	32.2	29.1	27.0	26.5
105°	20.0	20.9	24.8	27.4	29.6	30.5	29.6	26.1	23.1	20.4	20.4
107.5°	15.7	16.5	20.4	23.5	24.8	25.7	24.4	21.8	18.3	16.1	16.1
110°	12.6	13.5	17.0	19.6	20.9	21.8	20.4	17.4	14.8	13.1	13.1



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CATALOG NUMBER: LXF.LXT-PA1-40-830-U-T4W-TL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	10.0	11.3	13.9	16.5	17.8	18.3	17.0	14.8	11.7	10.9	10.9
115°	8.7	9.6	11.7	13.9	15.2	15.2	14.4	12.2	9.6	9.1	9.1
117.5°	7.4	8.3	10.0	12.2	13.1	13.1	12.2	10.0	8.3	7.8	7.8
120°	7.0	7.4	8.7	10.4	11.3	11.3	10.4	8.7	7.0	7.0	7.0
122.5°	6.1	6.5	7.8	9.1	10.0	10.0	9.1	7.4	6.1	6.5	6.5
125°	5.7	6.1	7.0	7.8	8.7	8.7	7.8	6.5	5.7	5.7	5.7
127.5°	5.2	5.7	6.1	7.0	7.4	7.4	7.0	5.7	5.2	5.2	5.2
130°	4.8	5.2	5.7	6.1	6.5	6.5	5.7	4.8	4.8	4.8	4.8
132.5°	4.8	4.8	4.8	5.2	5.7	5.7	5.2	4.4	4.4	4.4	4.4
135°	4.4	4.4	4.4	4.4	4.8	4.8	4.4	3.9	3.9	3.9	3.9
137.5°	3.9	3.9	3.9	3.9	4.4	4.4	3.9	3.5	3.5	3.5	3.5
140°	3.5	3.5	3.5	3.0	3.5	3.5	3.0	3.0	3.0	3.0	3.0
142.5°	2.6	3.0	2.6	2.6	2.6	2.6	2.6	2.2	2.6	2.6	2.6
145°	2.6	2.6	2.6	2.2	2.2	2.2	2.2	1.7	2.2	2.2	2.2
147.5°	2.2	2.2	2.2	1.7	1.3	1.7	1.3	1.7	1.7	1.7	1.7
150°	2.2	2.2	1.7	1.7	1.3	0.9	0.9	1.3	1.3	1.3	1.3
152.5°	1.7	1.7	1.7	1.3	0.9	0.4	0.4	0.9	0.9	0.9	0.9
155°	1.7	1.7	1.3	1.3	0.9	0.4	0.4	0.4	0.4	0.4	0.4
157.5°	1.3	1.3	1.3	0.9	0.9	0.4	0.0	0.4	0.0	0.0	0.0
160°	1.3	1.3	1.3	0.9	0.4	0.4	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)