

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: P414777

Luminaire Tested: **LXF.LXT-PA1-30-760-U-T2R-CL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414777  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-30-760-U-T2R-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5700K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3743 lumens  
Efficiency: N/A  
Efficacy: 120.7 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 - G1

Input Watts (W): 31  
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

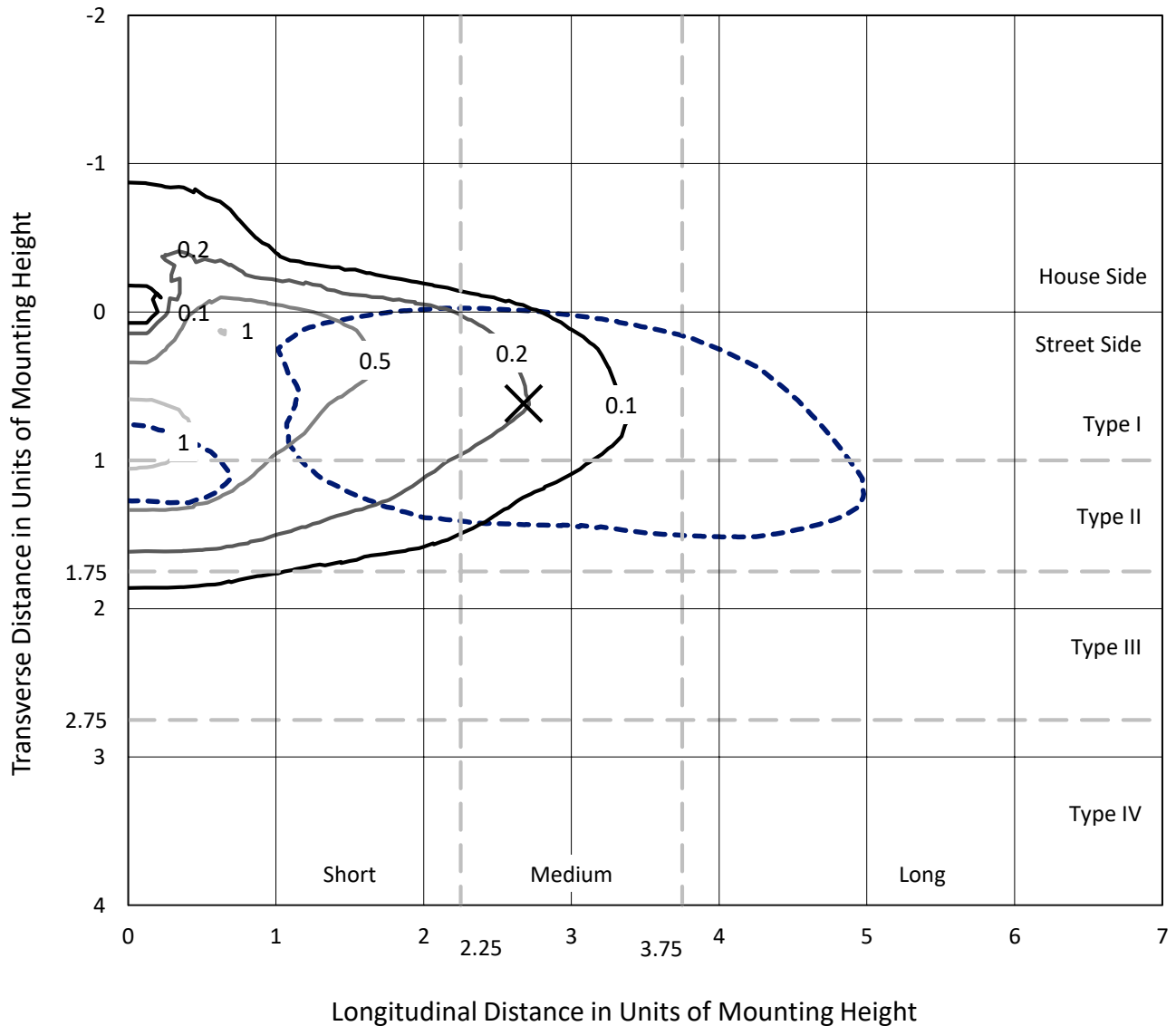


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

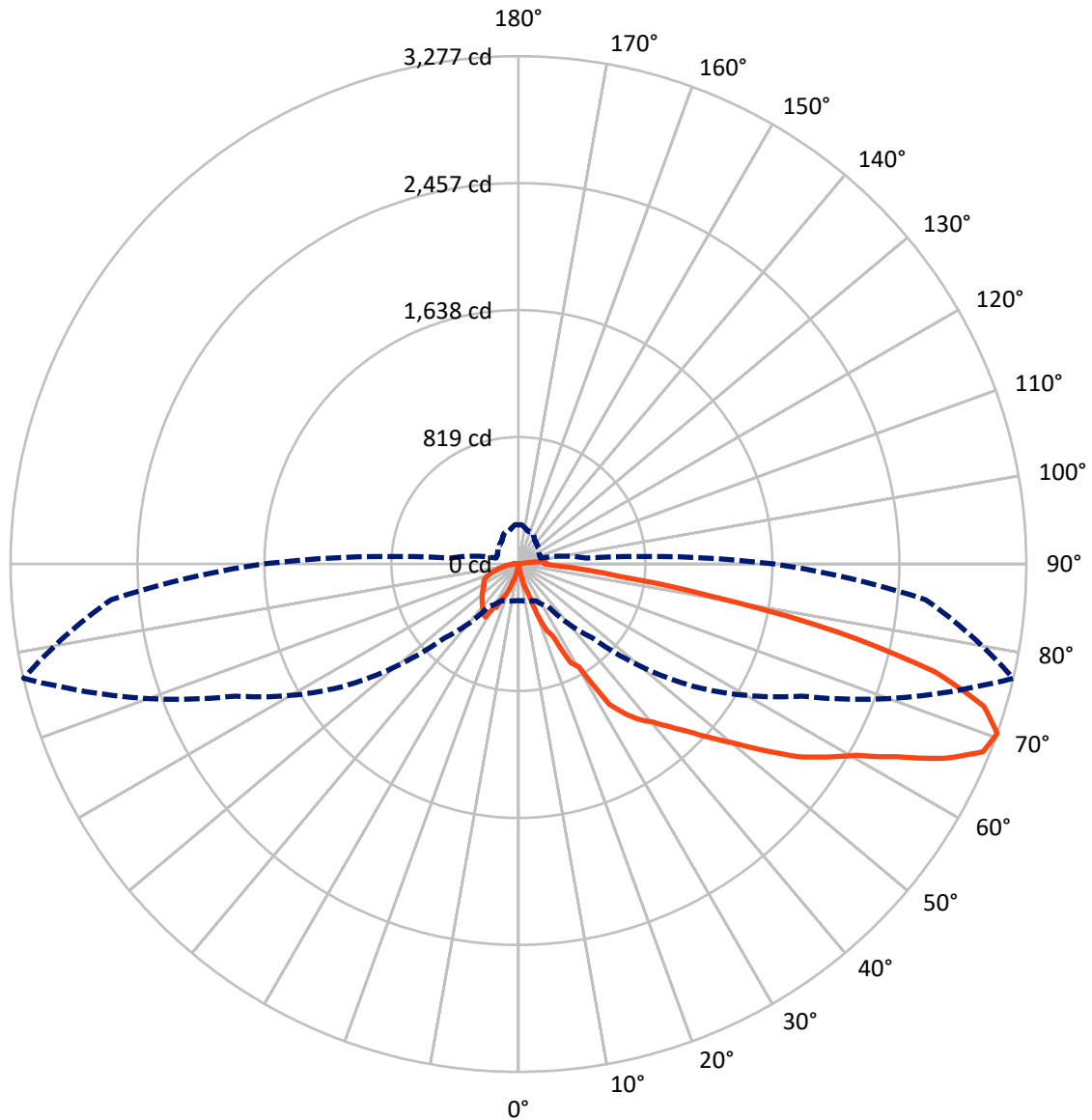


Based on 25 foot mounting height. Maximum calculated value = 1.3 fc  
 Type II - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical



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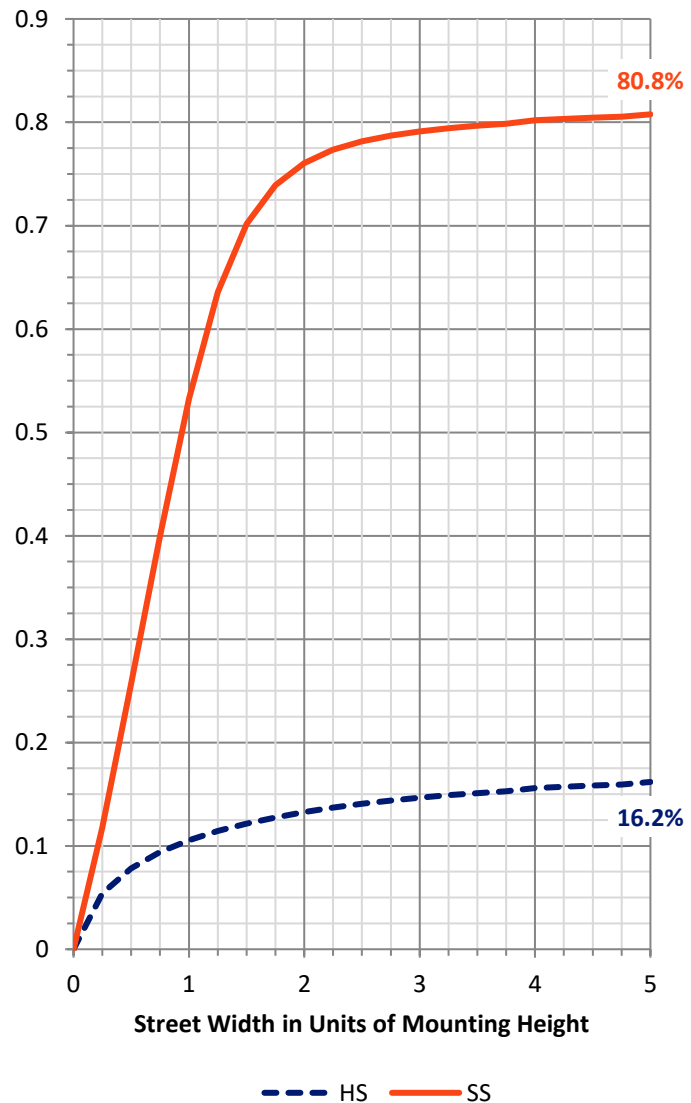
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	633.1	27.8	660.8
	% Fixture	16.9	0.7	17.7
<b>Street Side</b>	Lumens	3047.6	34.6	3082.1
	% Fixture	81.4	0.9	82.3
<b>Total</b>	Lumens	3680.6	62.3	3743.0
	% Fixture	98.3	1.7	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3.0	0.1
10°-20°	44.5	1.2
20°-30°	176.4	4.7
30°-40°	426.0	11.4
40°-50°	689.0	18.4
50°-60°	824.1	22.0
60°-70°	805.9	21.5
70°-80°	557.1	14.9
80°-90°	154.6	4.1
90°-100°	40.7	1.1
100°-110°	8.3	0.2
110°-120°	4.4	0.1
120°-130°	3.6	0.1
130°-140°	2.4	0.1
140°-150°	2.0	0.1
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3680.6	98.3
0°-180°	3743.0	100.0

**Coefficient of Utilization**



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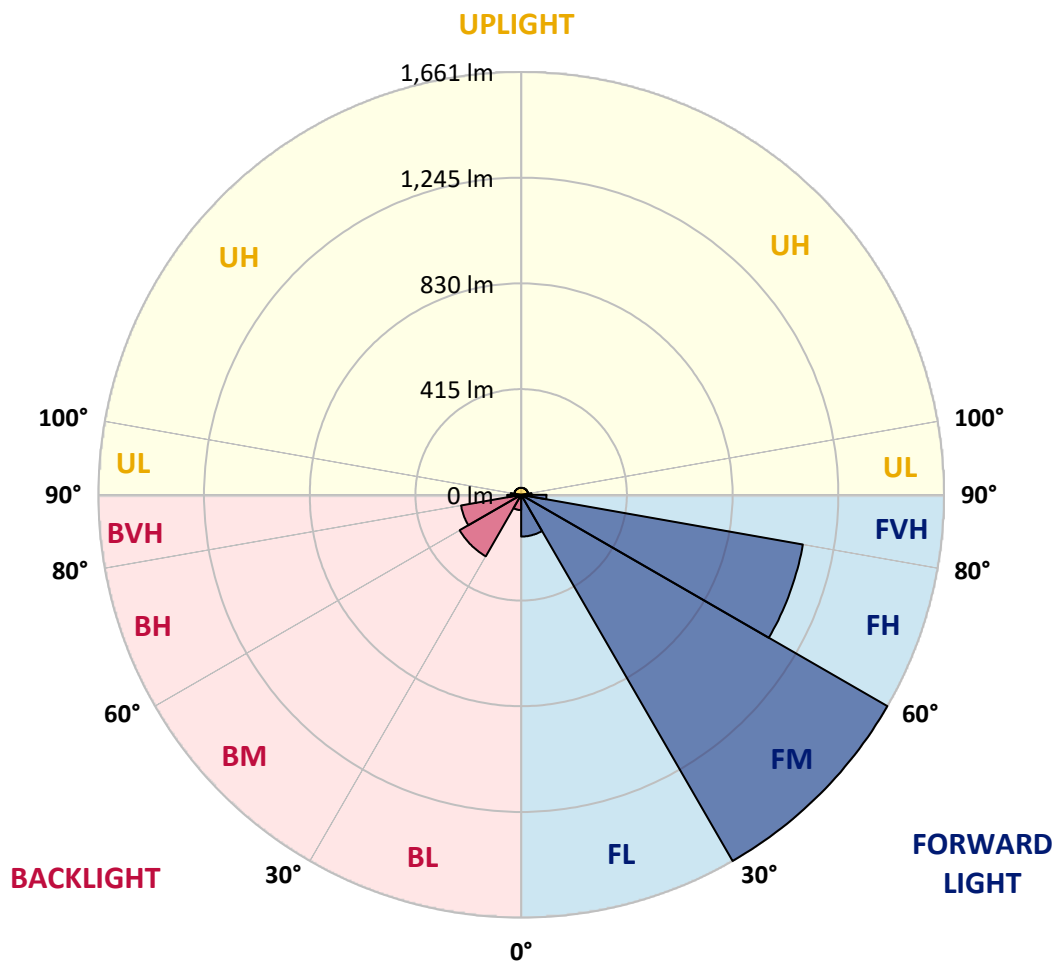
CATALOG NUMBER: LXF.LXT-PA1-30-760-U-T2R-CL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	164.0	4.4			
FM	(30°-60°)	1660.6	44.4			
FH	(60°-80°)	1123.3	30.0			G1/1800
FVH	(80°-90°)	99.6	2.7			G1/100
BL	(0°-30°)	59.9	1.6	B0/110		
BM	(30°-60°)	278.5	7.4	B1/1000		
BH	(60°-80°)	239.7	6.4	B1/500		G1/500
BVH	(80°-90°)	55.0	1.5			G1/100
UL	(90°-100°)	40.7	1.1		U2/50	
UH	(100°-180°)	27.8	0.7		U2/50	

**BUG Rating: B1-U2-G1**

Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
2.5°	4.7	4.2	4.2	4.7	5.5	5.1	3.8	3.0	2.5	2.5	2.5
5°	91.7	88.8	86.7	61.3	13.5	8.0	5.1	3.8	3.0	3.0	2.5
7.5°	109.5	107.8	107.0	104.0	100.6	93.8	16.9	5.5	3.4	3.4	3.0
10°	123.9	122.6	120.9	119.2	114.6	109.9	100.6	14.0	5.5	5.5	4.7
12.5°	252.4	248.6	245.2	174.2	129.4	124.3	115.4	79.1	60.0	57.9	69.8
15°	259.1	259.1	259.1	261.3	257.4	138.7	189.0	236.7	156.4	151.3	156.4
17.5°	276.0	273.5	269.3	270.6	275.6	306.1	282.0	263.4	208.4	185.2	180.1
20°	413.0	410.9	412.2	382.2	293.8	385.5	383.0	296.8	338.6	343.3	334.4
22.5°	440.9	440.5	439.2	437.5	502.2	409.2	440.5	466.7	473.0	463.7	384.7
25°	625.7	621.0	564.8	476.0	538.1	492.5	587.6	517.4	526.7	510.2	487.4
27.5°	714.8	705.1	695.4	668.8	577.9	658.2	625.2	682.3	764.7	720.8	620.2
30°	943.1	948.6	791.4	782.5	714.8	697.9	765.6	801.9	802.8	770.7	696.2
32.5°	1161.3	1146.5	1109.7	951.6	851.4	781.6	887.7	853.9	1050.5	1080.9	944.0
35°	1375.2	1346.4	1238.6	1131.2	993.4	963.4	951.2	1069.1	1143.5	1187.0	1021.3
37.5°	1680.0	1659.2	1556.1	1275.4	1145.2	1037.0	1115.2	1138.0	1256.4	1275.0	1127.0
40°	1792.0	1778.0	1692.2	1472.0	1264.0	1157.5	1188.7	1220.9	1368.4	1342.6	1206.5
42.5°	1872.3	1867.2	1798.7	1574.7	1418.7	1277.1	1273.7	1290.2	1483.4	1436.0	1286.0
45°	1934.0	1926.8	1886.3	1640.6	1491.8	1351.1	1365.4	1375.6	1584.4	1543.0	1376.9
47.5°	1922.2	1925.1	1930.6	1722.7	1535.4	1423.4	1459.3	1449.1	1666.9	1676.6	1478.7
50°	1831.3	1837.2	1877.8	1755.6	1560.3	1482.5	1540.5	1531.2	1781.8	1822.4	1596.3
52.5°	1561.2	1570.9	1721.4	1704.5	1582.3	1529.0	1623.7	1625.8	1916.3	2002.5	1746.3
55°	1143.1	1179.9	1362.9	1535.0	1558.2	1543.8	1679.5	1745.9	2071.0	2195.3	1880.3
57.5°	919.5	911.8	1038.2	1288.9	1439.0	1525.7	1738.3	1852.9	2212.2	2350.0	2014.3
60°	713.6	716.1	809.5	989.2	1230.2	1480.8	1798.3	1949.2	2385.9	2505.6	2178.4
62.5°	531.4	536.5	604.1	711.5	991.7	1355.7	1816.9	2069.7	2627.3	2740.6	2376.6
65°	386.0	394.4	431.2	497.1	716.5	1168.0	1760.3	2159.8	2894.9	3023.8	2588.4
67.5°	290.0	294.6	316.2	356.4	511.9	927.1	1620.4	2154.3	3029.3	3232.2	2679.3
70°	235.9	238.0	246.0	260.4	336.1	672.2	1374.7	2015.6	3058.1	3276.6	2637.0
72.5°	200.4	199.5	200.0	202.1	232.1	459.5	1061.9	1756.1	2948.2	3141.8	2446.4
75°	171.2	169.9	169.9	167.8	179.2	322.5	731.3	1417.4	2656.1	2776.1	2060.8
77.5°	145.8	143.7	143.3	139.1	144.2	240.1	484.5	1055.6	2101.4	2103.5	1461.0
80°	124.3	120.5	118.8	115.8	121.7	183.0	316.2	688.6	1285.5	1264.8	810.8
82.5°	91.7	91.7	94.3	95.1	104.8	135.7	223.2	409.6	701.7	664.1	470.1
85°	52.8	57.5	68.1	69.3	80.3	90.0	167.8	242.7	392.7	378.8	241.0
87.5°	19.4	18.6	28.3	30.0	33.8	33.8	91.3	133.2	205.9	214.3	189.8
90°	16.1	16.1	11.0	10.1	13.1	22.0	61.7	93.4	154.7	166.1	179.2
92.5°	16.9	16.9	11.0	9.7	12.3	19.4	52.0	88.4	162.3	178.0	185.2
95°	16.1	16.5	9.7	8.9	11.4	16.5	38.9	75.7	156.0	170.8	180.9
97.5°	14.0	14.4	8.0	7.6	10.1	11.8	21.1	37.6	77.8	80.7	83.7
100°	11.4	11.4	5.9	6.3	8.0	8.0	11.0	19.9	19.0	15.6	13.5
102.5°	9.7	10.6	5.5	5.1	5.9	5.1	5.1	7.6	11.4	9.7	13.1
105°	8.0	8.9	4.7	4.2	4.7	4.2	3.4	5.5	8.5	9.7	14.0
107.5°	5.5	5.9	3.4	3.8	3.8	3.8	2.5	4.2	8.0	9.3	14.4
110°	3.8	3.8	2.5	3.4	3.4	3.8	2.5	4.2	6.3	7.2	11.4



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	2.5	2.5	2.1	2.5	3.0	3.0	2.5	3.8	5.5	5.9	8.0
115°	2.1	2.1	1.7	2.1	2.5	2.5	2.1	3.4	5.5	6.3	8.5
117.5°	2.5	2.1	1.7	2.1	2.5	2.1	2.1	3.0	5.5	6.3	8.5
120°	2.5	2.5	2.1	2.1	2.1	2.1	2.1	3.0	5.5	6.3	8.5
122.5°	3.0	2.5	2.1	2.1	2.1	2.1	2.1	2.5	5.1	5.9	8.0
125°	3.0	3.0	2.1	2.1	2.5	2.1	2.1	2.5	5.1	5.5	7.6
127.5°	3.4	3.0	2.5	2.1	2.5	2.1	2.1	2.5	4.7	5.1	6.8
130°	3.4	3.4	2.5	2.1	2.5	2.1	2.1	2.1	3.8	4.2	5.9
132.5°	3.4	3.4	3.0	2.5	3.0	2.5	2.1	2.1	3.0	3.4	4.7
135°	3.8	3.4	3.4	3.0	3.4	3.0	2.1	2.1	2.1	2.5	3.4
137.5°	3.8	3.8	3.8	3.4	3.8	3.0	2.1	2.1	2.1	2.1	2.5
140°	4.7	4.7	4.2	3.8	4.2	3.4	2.5	2.1	2.1	2.1	2.5
142.5°	5.5	5.5	5.1	4.7	4.2	3.4	3.0	2.5	2.5	2.5	2.5
145°	6.3	5.9	5.9	5.1	4.2	3.4	3.0	3.0	3.0	3.0	3.0
147.5°	6.3	6.3	5.9	4.7	3.8	2.5	2.5	3.4	3.4	3.4	3.4
150°	5.9	5.9	5.1	4.2	3.0	2.1	2.1	3.0	3.4	3.4	3.4
152.5°	4.7	4.2	3.8	2.5	2.1	1.3	1.7	2.1	2.5	2.5	3.0
155°	3.0	2.5	2.1	1.7	1.7	1.3	1.3	1.7	1.7	1.7	2.1
157.5°	1.3	1.3	0.8	0.8	1.3	1.3	1.3	1.3	1.3	1.3	1.3
160°	0.4	0.4	0.4	0.4	1.3	1.3	1.3	0.8	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





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
2.5°	2.5	2.5	2.5	2.5	2.5	2.1	2.5	3.0	3.4	3.4	3.4
5°	2.5	2.5	2.5	3.0	3.0	2.5	3.0	3.8	4.2	4.2	4.2
7.5°	3.0	2.5	3.0	3.4	3.4	3.4	14.8	42.7	47.3	48.2	49.0
10°	4.2	4.2	4.2	4.7	5.1	44.4	52.4	55.0	56.6	57.9	58.3
12.5°	64.3	56.2	35.1	9.3	44.8	55.0	57.9	62.1	64.3	66.8	65.9
15°	144.2	127.7	96.0	82.0	80.3	61.3	64.3	107.0	118.8	120.9	120.5
17.5°	163.2	140.3	107.0	114.1	118.8	92.2	108.2	119.6	121.7	123.9	123.4
20°	303.5	241.8	145.0	125.6	124.3	155.6	115.4	119.2	123.4	145.4	148.0
22.5°	336.9	278.2	189.8	183.9	150.1	158.1	150.5	152.6	165.7	165.7	164.9
25°	421.9	336.5	214.3	187.7	190.7	157.3	176.7	152.6	155.1	155.1	155.6
27.5°	548.7	432.5	284.5	209.3	188.5	190.2	167.8	154.7	177.1	179.7	180.9
30°	587.2	448.9	281.5	233.8	197.0	184.7	156.8	173.3	167.0	167.0	165.7
32.5°	820.5	612.5	350.4	228.7	202.1	171.6	173.7	163.2	160.2	173.3	173.3
35°	866.6	630.7	338.2	257.4	194.0	178.8	165.3	167.8	162.3	161.5	160.2
37.5°	919.5	643.4	310.7	241.8	205.0	171.6	170.8	164.4	157.3	167.4	169.1
40°	969.8	655.7	288.7	223.2	189.4	170.8	167.4	164.0	148.8	148.8	148.4
42.5°	1026.4	663.7	268.9	208.4	174.2	171.2	161.9	151.3	141.2	144.2	143.3
45°	1085.2	668.8	248.6	191.9	160.6	177.1	162.3	157.7	149.6	150.9	149.6
47.5°	1157.5	677.2	230.8	175.9	152.2	162.3	153.5	151.3	156.0	151.8	154.3
50°	1234.4	681.9	214.3	161.9	143.7	157.7	158.9	152.6	156.0	148.8	148.4
52.5°	1326.5	686.1	196.6	152.6	142.5	156.8	166.6	159.8	153.9	144.6	143.7
55°	1407.7	672.6	181.4	146.7	150.9	155.1	172.9	164.9	152.6	142.0	142.5
57.5°	1496.1	655.2	169.1	144.2	149.2	152.2	181.8	172.1	158.1	158.5	158.9
60°	1587.4	638.8	161.5	143.7	147.1	153.5	183.0	181.8	165.3	169.1	172.1
62.5°	1696.4	625.7	160.2	146.7	154.7	160.2	184.3	197.4	183.0	184.7	185.6
65°	1781.8	587.6	158.9	148.4	157.7	161.5	184.7	208.4	202.1	211.8	210.9
67.5°	1755.6	517.4	156.8	150.1	159.8	168.2	184.3	216.4	215.6	238.0	235.9
70°	1648.7	439.6	150.1	148.0	160.6	171.6	184.7	218.6	222.4	254.1	252.0
72.5°	1468.6	354.7	137.8	142.0	161.1	175.9	190.2	219.0	223.2	268.0	261.7
75°	1228.9	286.6	119.6	128.5	166.1	178.4	191.5	214.8	214.8	257.0	249.0
77.5°	884.4	220.7	103.1	116.7	164.4	176.7	187.7	205.0	202.1	222.4	214.8
80°	515.3	162.8	87.9	114.6	154.3	173.3	177.1	180.9	167.0	171.6	167.0
82.5°	309.4	120.5	76.1	102.7	135.7	156.0	158.9	152.6	134.0	133.6	127.2
85°	185.6	82.4	55.8	79.5	107.0	130.2	133.6	115.8	98.5	108.6	97.2
87.5°	137.0	52.0	38.5	49.5	65.1	60.9	79.5	74.8	63.8	61.3	60.5
90°	123.4	39.7	31.7	40.2	44.0	37.6	40.6	40.6	33.0	32.6	30.9
92.5°	122.2	37.2	33.8	39.3	35.5	30.0	33.0	32.6	26.2	24.9	23.7
95°	114.1	33.4	33.8	35.5	31.3	24.5	26.6	24.9	18.6	17.3	16.1
97.5°	53.7	23.3	32.1	30.9	25.8	19.0	22.0	19.0	13.1	11.4	11.4
100°	12.7	19.9	27.5	27.9	20.7	14.4	15.2	12.3	8.5	7.2	7.2
102.5°	12.7	8.9	16.9	22.0	12.7	5.9	8.5	8.0	6.3	6.3	6.8
105°	12.7	8.5	8.5	14.4	7.6	3.8	3.8	5.1	5.5	7.2	8.0
107.5°	13.1	8.9	6.8	6.8	5.5	3.8	3.4	3.8	5.5	8.5	8.9
110°	11.0	8.0	6.3	5.9	5.5	3.8	3.0	3.8	5.5	9.3	10.1



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CATALOG NUMBER: LXF.LXT-PA1-30-760-U-T2R-CL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	8.0	7.2	5.5	5.5	4.7	3.8	3.0	3.4	5.9	10.1	11.0
115°	8.0	6.8	5.1	4.7	3.8	3.4	3.0	3.4	6.3	11.0	11.8
117.5°	8.5	6.8	4.7	4.2	3.4	2.5	2.5	3.4	6.3	11.4	12.3
120°	8.5	6.8	4.7	4.2	3.4	2.5	2.5	3.8	6.8	11.0	11.8
122.5°	8.0	6.8	4.7	4.2	3.4	2.1	2.5	3.4	6.3	10.6	11.4
125°	7.2	6.3	4.7	3.8	3.4	2.1	2.5	3.4	6.3	10.1	10.6
127.5°	6.8	5.9	4.2	3.8	3.0	2.1	2.5	3.4	5.9	9.3	9.7
130°	5.9	5.5	3.8	3.4	3.0	2.1	2.5	3.4	5.9	8.5	8.9
132.5°	4.7	4.2	3.4	3.0	3.0	2.1	2.5	3.0	4.7	7.2	7.6
135°	3.4	3.4	3.0	3.0	3.0	2.1	2.5	2.5	3.8	5.5	5.9
137.5°	2.5	2.5	2.5	3.0	2.5	2.1	2.1	2.5	3.4	4.2	4.7
140°	2.5	2.5	2.5	3.0	2.5	2.1	2.1	2.5	3.0	3.4	3.8
142.5°	2.5	2.5	2.5	3.0	2.5	1.7	2.1	2.5	3.0	3.4	3.4
145°	3.0	3.0	3.0	3.0	2.5	1.7	1.7	2.5	3.0	3.4	3.4
147.5°	3.4	3.4	3.0	3.0	2.5	1.3	1.3	2.5	3.0	3.4	3.4
150°	3.4	3.4	3.0	3.0	2.1	1.3	1.3	2.1	3.0	3.0	3.0
152.5°	2.5	2.5	2.5	2.5	2.1	0.8	0.8	1.7	2.5	2.5	2.5
155°	2.1	2.1	2.1	2.1	1.7	0.8	0.4	1.3	2.1	2.1	2.1
157.5°	1.3	1.7	1.7	2.1	1.7	0.8	0.4	0.8	1.7	1.7	1.7
160°	0.8	1.3	1.3	1.7	1.7	0.8	0.4	0.8	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

(END OF REPORT)