

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: P694626

Luminaire Tested: **LXF.LXT-PA16-20-750-U-T2U-A**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P694626  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-20-750-U-T2U-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS  
AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2844.1 lumens  
Efficiency: N/A  
Efficacy: 130.5 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type II - Short  
BUG Rating: B1 - U2 - G1

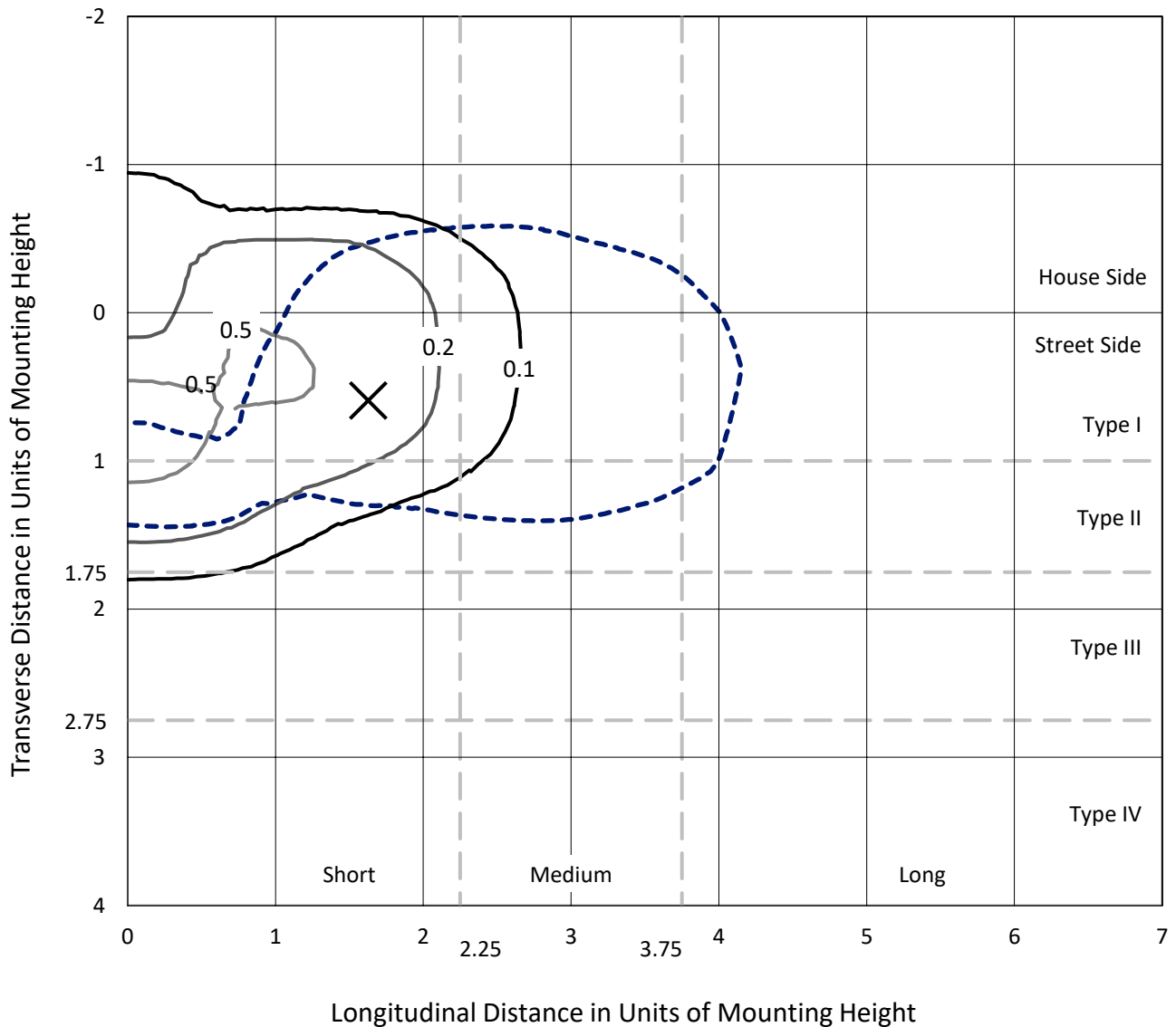
Input Watts (W): 21.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

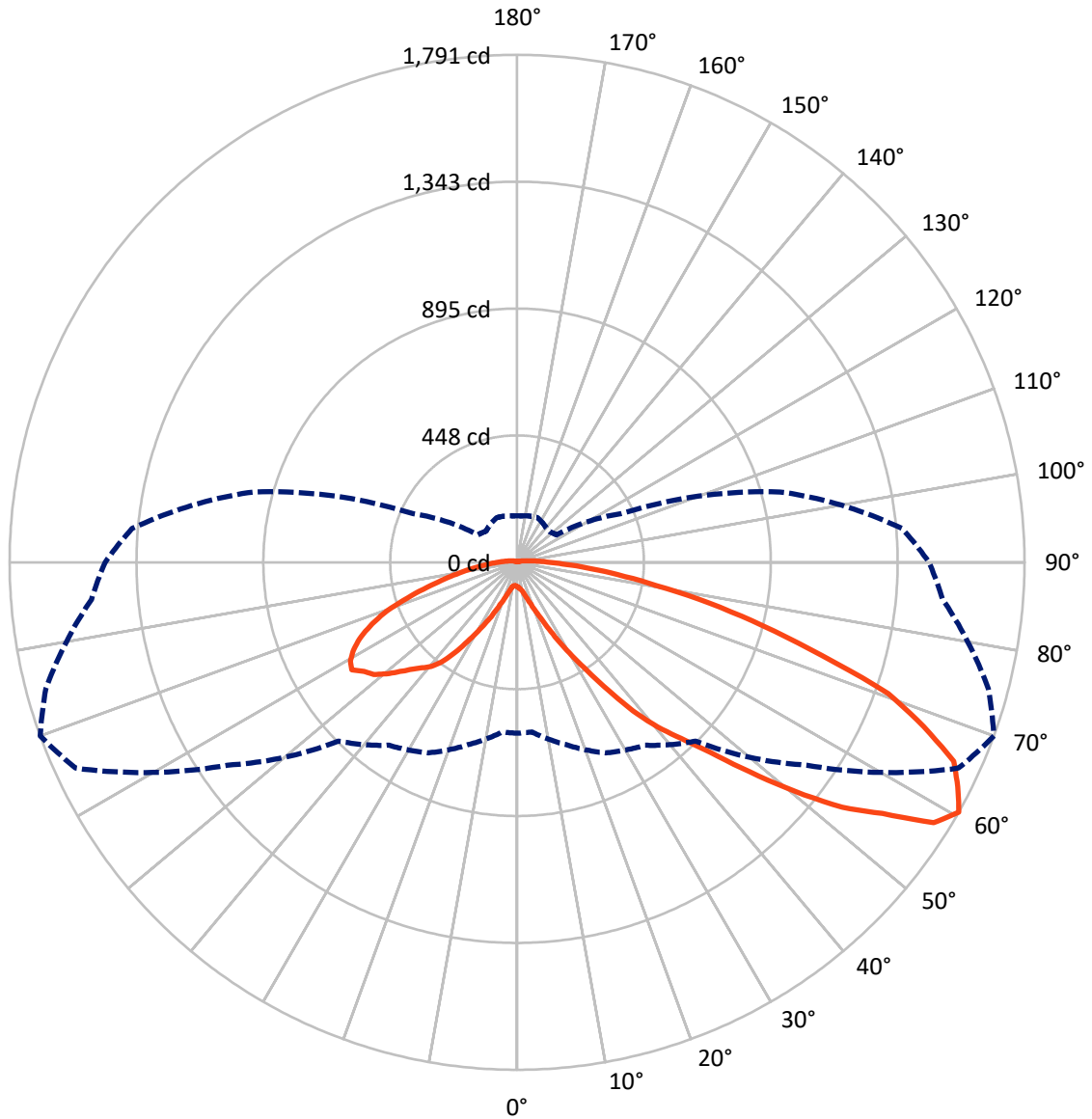
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral      - - - Horizontal Cone Through 60-Deg Vertical

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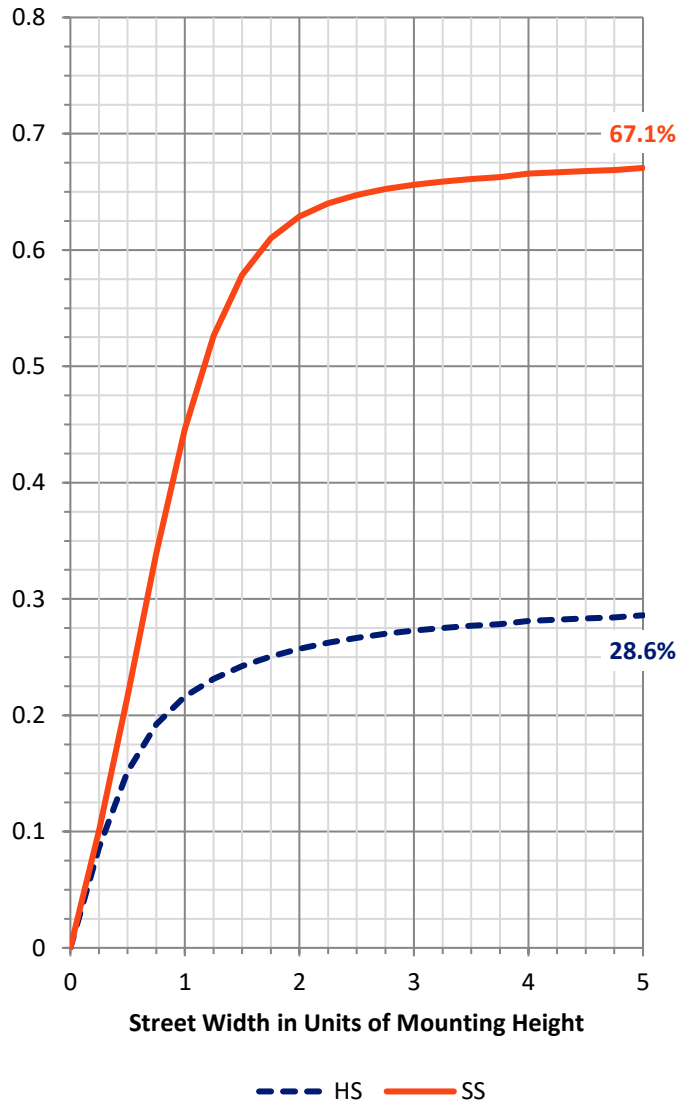
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	837.3	42.3	879.6
	% Fixture	29.4	1.5	30.9
<b>Street Side</b>	Lumens	1928.4	36.0	1964.5
	% Fixture	67.8	1.3	69.1
<b>Total</b>	Lumens	2765.8	78.3	2844.1
	% Fixture	97.2	2.8	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	8.6	0.3
10°-20°	36.3	1.3
20°-30°	114.9	4.0
30°-40°	282.8	9.9
40°-50°	489.5	17.2
50°-60°	688.9	24.2
60°-70°	640.5	22.5
70°-80°	365.3	12.8
80°-90°	139.0	4.9
90°-100°	41.4	1.5
100°-110°	16.8	0.6
110°-120°	9.0	0.3
120°-130°	5.6	0.2
130°-140°	3.6	0.1
140°-150°	1.6	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2765.8	97.2
0°-180°	2844.1	100.0

**Coefficient of Utilization**



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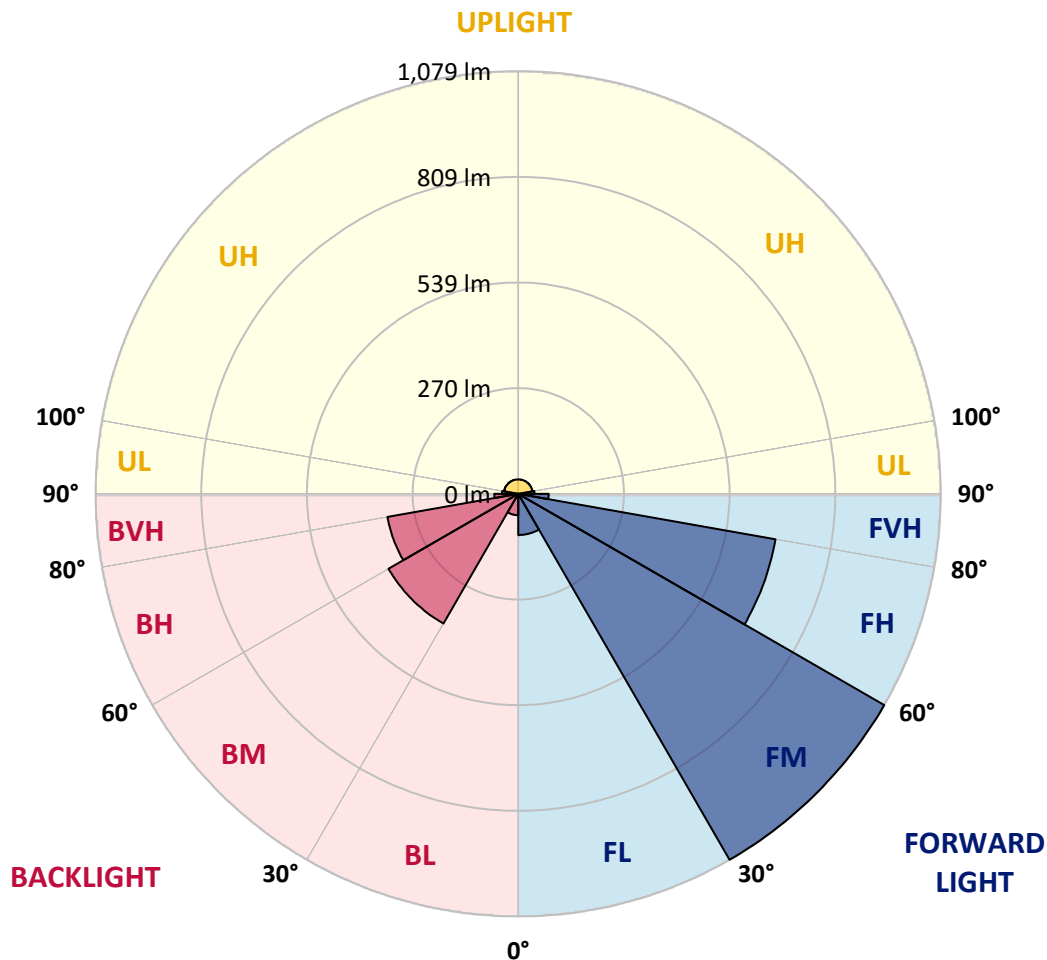
CATALOG NUMBER: LXF.LXT-PA16-20-750-U-T2U-A

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	105.2	3.7			
FM (30°-60°)	1078.8	37.9			
FH (60°-80°)	666.8	23.4			G1/1800
FVH (80°-90°)	77.6	2.7			G1/100
BL (0°-30°)	54.6	1.9	B0/110		
BM (30°-60°)	382.4	13.4	B1/1000		
BH (60°-80°)	339.0	11.9	B1/500		G1/500
BVH (80°-90°)	61.3	2.2			G1/100
UL (90°-100°)	41.4	1.5		U2/50	
UH (100°-180°)	36.8	1.3		U2/50	

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

Type II Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
2.5°	92.0	91.0	91.0	91.0	91.0	90.0	89.0	88.0	88.0	87.0	86.0
5°	100.0	100.0	100.0	99.0	98.0	97.0	95.0	93.0	92.0	90.0	88.0
7.5°	113.0	111.0	111.0	110.0	107.0	105.0	102.0	98.0	97.0	95.0	92.0
10°	129.0	128.0	127.0	124.0	119.0	115.0	112.0	107.0	104.0	102.0	98.0
12.5°	154.0	154.0	151.0	145.0	138.0	131.0	125.0	119.0	116.0	113.0	109.0
15°	185.0	184.0	183.0	173.0	162.0	152.0	142.0	135.0	132.0	130.0	123.0
17.5°	226.0	227.0	221.0	205.0	189.0	178.0	166.0	157.0	153.0	150.0	144.0
20°	279.0	278.0	269.0	246.0	228.0	210.0	197.0	183.0	180.0	177.0	170.0
22.5°	348.0	346.0	328.0	300.0	273.0	248.0	231.0	221.0	215.0	211.0	205.0
25°	419.0	427.0	402.0	368.0	329.0	291.0	273.0	267.0	261.0	258.0	250.0
27.5°	531.0	532.0	496.0	441.0	389.0	350.0	327.0	317.0	317.0	313.0	303.0
30°	650.0	649.0	605.0	535.0	464.0	410.0	386.0	380.0	382.0	377.0	363.0
32.5°	755.0	753.0	704.0	635.0	541.0	475.0	452.0	454.0	456.0	460.0	449.0
35°	869.0	868.0	810.0	725.0	623.0	549.0	533.0	552.0	553.0	559.0	534.0
37.5°	910.0	915.9	880.0	804.0	696.0	625.0	626.0	647.0	665.0	667.0	632.0
40°	940.9	943.9	910.9	850.0	762.0	704.0	729.0	763.0	764.0	747.0	690.0
42.5°	1011.9	1014.9	968.9	892.0	810.0	784.0	820.0	856.0	849.0	834.0	763.0
45°	1057.9	1061.9	1031.9	957.9	858.0	843.0	909.0	956.9	955.9	945.9	848.0
47.5°	1104.9	1110.9	1079.9	1009.9	912.9	898.0	1006.9	1105.9	1104.9	1076.9	960.9
50°	1090.9	1095.9	1097.9	1051.9	951.9	954.9	1109.9	1261.9	1269.9	1233.9	1098.9
52.5°	1005.9	1013.9	1042.9	1048.9	979.9	993.9	1209.9	1426.9	1436.9	1376.9	1205.9
55°	896.0	906.0	943.9	985.9	962.9	1003.9	1292.9	1557.9	1563.9	1514.9	1342.9
57.5°	749.0	770.0	819.0	879.0	893.0	979.9	1293.9	1665.9	1733.9	1695.9	1491.9
60°	603.0	601.0	666.0	742.0	788.0	892.0	1247.9	1718.9	1790.9	1721.9	1507.9
62.5°	433.0	440.0	510.0	598.0	655.0	755.0	1140.9	1614.9	1745.9	1743.9	1591.9
65°	309.0	316.0	367.0	451.0	517.0	626.0	967.9	1512.9	1692.9	1708.9	1583.9
67.5°	220.0	223.0	262.0	328.0	386.0	478.0	793.0	1367.9	1547.9	1595.9	1537.9
70°	165.0	168.0	192.0	241.0	282.0	349.0	633.0	1159.9	1389.9	1459.9	1419.9
72.5°	127.0	131.0	147.0	184.0	208.0	249.0	473.0	945.9	1123.9	1192.9	1175.9
75°	100.0	102.0	114.0	139.0	154.0	175.0	335.0	728.0	895.0	993.9	993.9
77.5°	80.0	83.0	91.0	109.0	122.0	130.0	230.0	523.0	694.0	794.0	817.0
80°	64.0	66.0	73.0	86.0	95.0	100.0	155.0	363.0	498.0	617.0	684.0
82.5°	51.0	51.0	58.0	68.0	77.0	83.0	114.0	257.0	356.0	446.0	520.0
85°	41.0	42.0	46.0	53.0	62.0	70.0	88.0	176.0	243.0	299.0	360.0
87.5°	32.0	32.0	36.0	41.0	50.0	59.0	72.0	119.0	160.0	206.0	242.0
90°	23.0	24.0	26.0	30.0	39.0	48.0	57.0	83.0	106.0	129.0	153.0
92.5°	17.0	17.0	18.0	21.0	28.0	38.0	46.0	60.0	73.0	84.0	95.0
95°	13.0	13.0	14.0	15.0	20.0	29.0	35.0	44.0	51.0	59.0	64.0
97.5°	11.0	11.0	11.0	12.0	16.0	22.0	27.0	33.0	38.0	43.0	48.0
100°	10.0	10.0	10.0	10.0	13.0	19.0	21.0	26.0	29.0	33.0	36.0
102.5°	9.0	9.0	9.0	9.0	12.0	16.0	18.0	20.0	23.0	25.0	28.0
105°	8.0	8.0	8.0	8.0	10.0	13.0	15.0	17.0	18.0	19.0	21.0
107.5°	7.0	7.0	7.0	7.0	9.0	12.0	13.0	13.0	14.0	15.0	17.0
110°	6.0	6.0	6.0	7.0	8.0	10.0	11.0	11.0	11.0	12.0	14.0

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	6.0	6.0	6.0	6.0	7.0	9.0	9.0	9.0	10.0	10.0	12.0
115°	5.0	5.0	5.0	6.0	7.0	8.0	8.0	8.0	8.0	9.0	10.0
117.5°	5.0	5.0	5.0	5.0	7.0	8.0	8.0	7.0	7.0	8.0	9.0
120°	5.0	5.0	5.0	5.0	6.0	7.0	7.0	7.0	7.0	7.0	8.0
122.5°	5.0	5.0	5.0	5.0	6.0	6.0	6.0	6.0	6.0	6.0	7.0
125°	5.0	5.0	5.0	5.0	6.0	6.0	6.0	5.0	5.0	6.0	7.0
127.5°	6.0	6.0	5.0	5.0	5.0	6.0	5.0	5.0	5.0	5.0	6.0
130°	6.0	6.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	6.0
132.5°	6.0	6.0	5.0	5.0	5.0	5.0	5.0	4.0	4.0	5.0	6.0
135°	5.0	6.0	5.0	5.0	5.0	4.0	4.0	4.0	4.0	4.0	5.0
137.5°	5.0	5.0	5.0	4.0	4.0	4.0	3.0	3.0	3.0	4.0	4.0
140°	5.0	5.0	4.0	4.0	4.0	3.0	3.0	3.0	3.0	3.0	4.0
142.5°	4.0	4.0	4.0	3.0	3.0	3.0	2.0	2.0	2.0	2.0	3.0
145°	4.0	4.0	3.0	3.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
147.5°	3.0	3.0	3.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0
150°	3.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
2.5°	86.0	85.0	84.0	84.0	83.0	82.0	81.0	81.0	81.0	81.0	81.0
5°	87.0	86.0	84.0	82.0	80.0	78.0	77.0	75.0	75.0	75.0	74.0
7.5°	90.0	88.0	85.0	81.0	78.0	75.0	72.0	71.0	70.0	69.0	69.0
10°	95.0	93.0	88.0	83.0	78.0	74.0	70.0	67.0	65.0	65.0	65.0
12.5°	105.0	102.0	95.0	87.0	80.0	74.0	69.0	66.0	65.0	65.0	66.0
15°	121.0	117.0	107.0	97.0	86.0	77.0	73.0	73.0	74.0	75.0	75.0
17.5°	140.0	135.0	124.0	110.0	97.0	88.0	84.0	85.0	87.0	88.0	88.0
20°	167.0	158.0	147.0	128.0	111.0	103.0	98.0	97.0	102.0	104.0	104.0
22.5°	198.0	193.0	175.0	151.0	131.0	119.0	112.0	110.0	115.0	117.0	117.0
25°	244.0	234.0	213.0	181.0	155.0	135.0	125.0	123.0	130.0	134.0	134.0
27.5°	297.0	282.0	256.0	215.0	179.0	150.0	137.0	137.0	144.0	150.0	151.0
30°	352.0	335.0	304.0	253.0	203.0	162.0	146.0	147.0	154.0	163.0	161.0
32.5°	432.0	408.0	362.0	296.0	225.0	172.0	151.0	155.0	166.0	178.0	176.0
35°	510.0	485.0	430.0	344.0	244.0	177.0	154.0	163.0	175.0	184.0	184.0
37.5°	593.0	562.0	492.0	386.0	264.0	180.0	156.0	165.0	177.0	183.0	183.0
40°	648.0	617.0	537.0	416.0	272.0	179.0	155.0	164.0	172.0	174.0	172.0
42.5°	717.0	671.0	572.0	430.0	268.0	174.0	152.0	159.0	162.0	161.0	161.0
45°	799.0	748.0	622.0	435.0	256.0	166.0	148.0	153.0	157.0	158.0	158.0
47.5°	909.0	850.0	687.0	443.0	241.0	158.0	146.0	154.0	158.0	155.0	155.0
50°	1035.9	966.9	762.0	450.0	226.0	152.0	147.0	157.0	158.0	155.0	154.0
52.5°	1136.9	1061.9	827.0	458.0	211.0	149.0	151.0	161.0	160.0	155.0	154.0
55°	1270.9	1193.9	885.0	440.0	197.0	150.0	155.0	165.0	162.0	154.0	154.0
57.5°	1428.9	1335.9	961.9	430.0	181.0	153.0	160.0	169.0	164.0	157.0	156.0
60°	1453.9	1363.9	959.9	405.0	169.0	155.0	164.0	173.0	169.0	164.0	164.0
62.5°	1538.9	1441.9	943.9	361.0	160.0	155.0	167.0	178.0	179.0	176.0	175.0
65°	1527.9	1421.9	903.0	317.0	152.0	153.0	169.0	184.0	185.0	186.0	186.0
67.5°	1487.9	1376.9	832.0	278.0	143.0	150.0	169.0	183.0	188.0	192.0	192.0
70°	1365.9	1264.9	742.0	239.0	134.0	142.0	161.0	177.0	182.0	187.0	188.0
72.5°	1142.9	1048.9	609.0	203.0	122.0	130.0	147.0	162.0	168.0	172.0	171.0
75°	952.9	877.0	495.0	161.0	109.0	115.0	129.0	142.0	146.0	149.0	149.0
77.5°	787.0	719.0	390.0	132.0	95.0	100.0	111.0	121.0	125.0	126.0	124.0
80°	657.0	577.0	306.0	107.0	81.0	84.0	95.0	103.0	107.0	105.0	106.0
82.5°	508.0	442.0	232.0	90.0	71.0	72.0	80.0	87.0	90.0	88.0	87.0
85°	345.0	300.0	167.0	78.0	62.0	61.0	66.0	72.0	74.0	73.0	72.0
87.5°	228.0	198.0	121.0	67.0	54.0	53.0	56.0	61.0	63.0	62.0	60.0
90°	144.0	131.0	87.0	57.0	47.0	45.0	47.0	50.0	53.0	52.0	51.0
92.5°	92.0	83.0	64.0	47.0	40.0	38.0	38.0	40.0	42.0	40.0	38.0
95°	62.0	60.0	49.0	38.0	33.0	31.0	30.0	30.0	32.0	30.0	29.0
97.5°	48.0	46.0	40.0	30.0	26.0	25.0	24.0	24.0	26.0	24.0	23.0
100°	37.0	37.0	32.0	25.0	20.0	20.0	20.0	21.0	22.0	21.0	21.0
102.5°	29.0	29.0	27.0	21.0	17.0	17.0	17.0	18.0	20.0	19.0	19.0
105°	22.0	23.0	22.0	17.0	15.0	15.0	15.0	16.0	17.0	17.0	17.0
107.5°	18.0	19.0	18.0	15.0	13.0	13.0	13.0	14.0	15.0	16.0	16.0
110°	15.0	16.0	15.0	13.0	12.0	12.0	12.0	12.0	14.0	14.0	15.0

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 CATALOG NUMBER: LXF.LXT-PA16-20-750-U-T2U-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	12.0	13.0	13.0	11.0	11.0	11.0	10.0	11.0	12.0	13.0	13.0
115°	11.0	11.0	11.0	10.0	10.0	10.0	9.0	9.0	11.0	12.0	12.0
117.5°	10.0	10.0	10.0	9.0	9.0	9.0	8.0	8.0	9.0	11.0	11.0
120°	9.0	9.0	9.0	8.0	8.0	8.0	7.0	7.0	8.0	10.0	10.0
122.5°	8.0	8.0	8.0	7.0	7.0	7.0	7.0	7.0	8.0	9.0	9.0
125°	7.0	7.0	7.0	7.0	7.0	6.0	6.0	6.0	7.0	8.0	8.0
127.5°	7.0	7.0	7.0	6.0	6.0	6.0	6.0	6.0	6.0	7.0	8.0
130°	6.0	6.0	6.0	6.0	5.0	5.0	5.0	5.0	6.0	7.0	7.0
132.5°	6.0	6.0	6.0	5.0	5.0	5.0	5.0	5.0	6.0	6.0	7.0
135°	5.0	6.0	5.0	5.0	5.0	4.0	4.0	4.0	5.0	6.0	6.0
137.5°	5.0	5.0	4.0	4.0	4.0	4.0	4.0	4.0	5.0	5.0	5.0
140°	4.0	4.0	4.0	3.0	3.0	3.0	3.0	3.0	4.0	5.0	5.0
142.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	4.0	4.0	4.0
145°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0	3.0	4.0	4.0
147.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0	3.0	3.0
150°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	3.0	3.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	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)