

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: P694627

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

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P694627  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-13)  
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-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS  
AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2955.1 lumens  
Efficiency: N/A  
Efficacy: 135.6 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

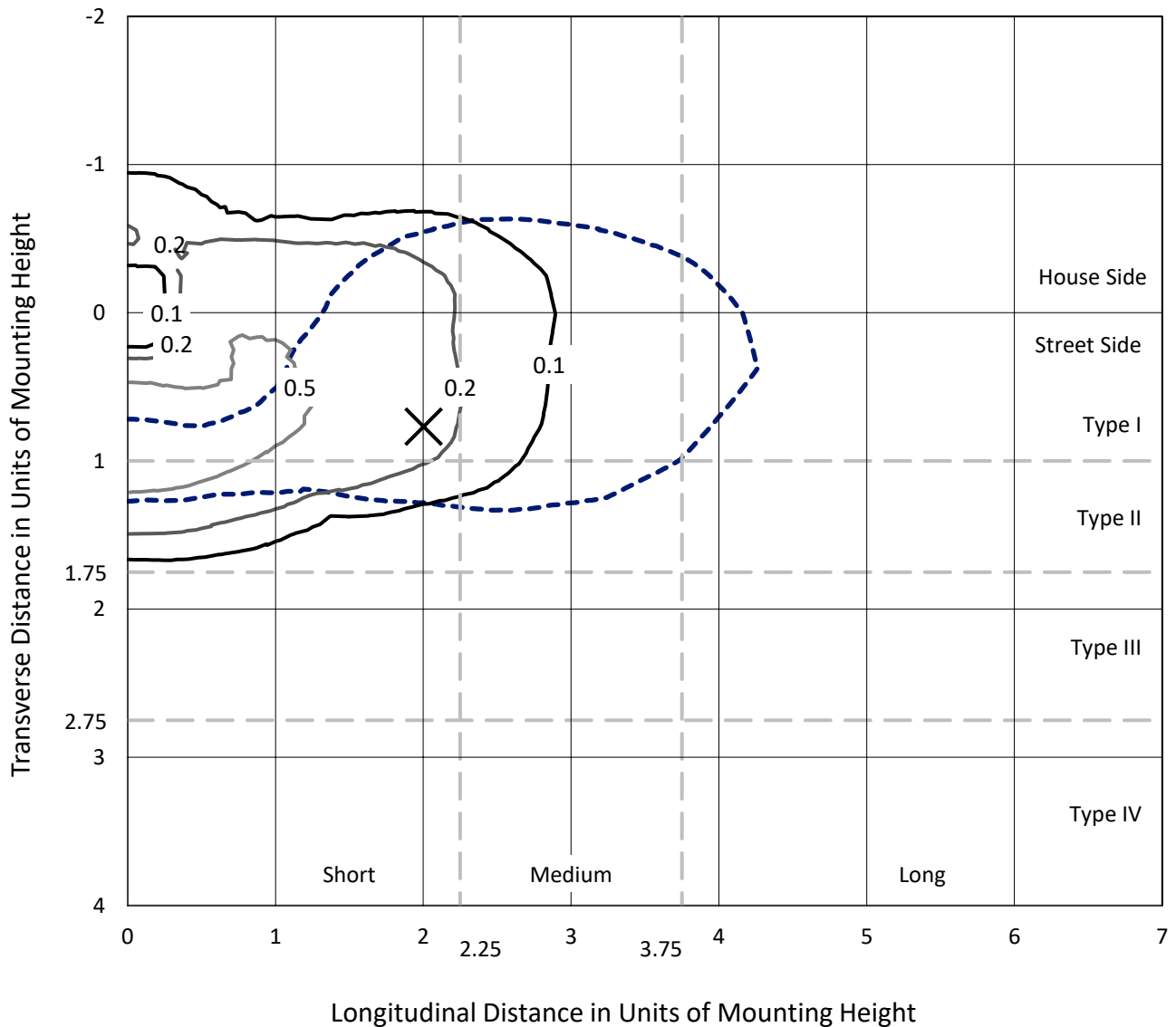
Input Watts (W): 21.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

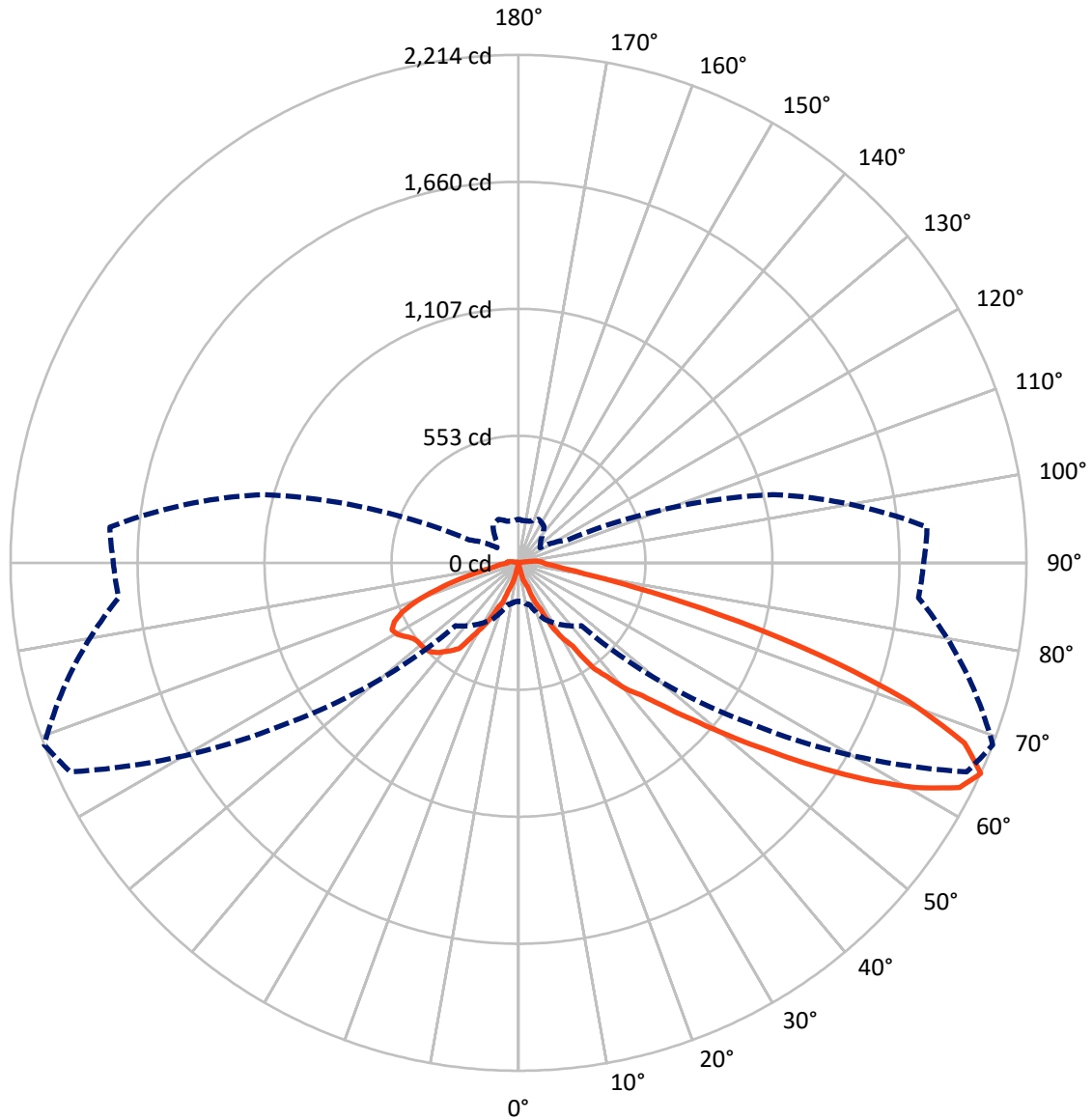
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 69-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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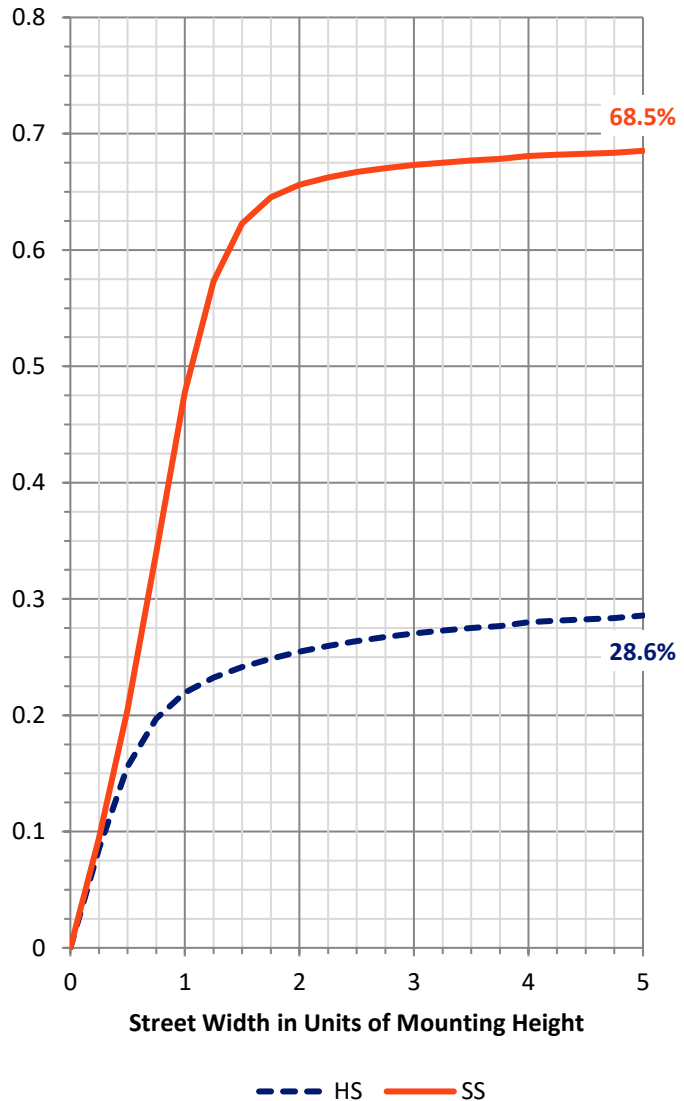
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	866.3	25.4	891.7
	% Fixture	29.3	0.9	30.2
<b>Street Side</b>	Lumens	2041.4	22.0	2063.4
	% Fixture	69.1	0.7	69.8
<b>Total</b>	Lumens	2907.7	47.3	2955.1
	% Fixture	98.4	1.6	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.2	0.0
10°-20°	17.8	0.6
20°-30°	113.8	3.9
30°-40°	312.3	10.6
40°-50°	556.7	18.8
50°-60°	722.6	24.5
60°-70°	691.0	23.4
70°-80°	398.3	13.5
80°-90°	95.0	3.2
90°-100°	33.6	1.1
100°-110°	6.1	0.2
110°-120°	2.9	0.1
120°-130°	2.4	0.1
130°-140°	1.4	0.0
140°-150°	1.0	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2907.7	98.4
0°-180°	2955.1	100.0

**Coefficient of Utilization**

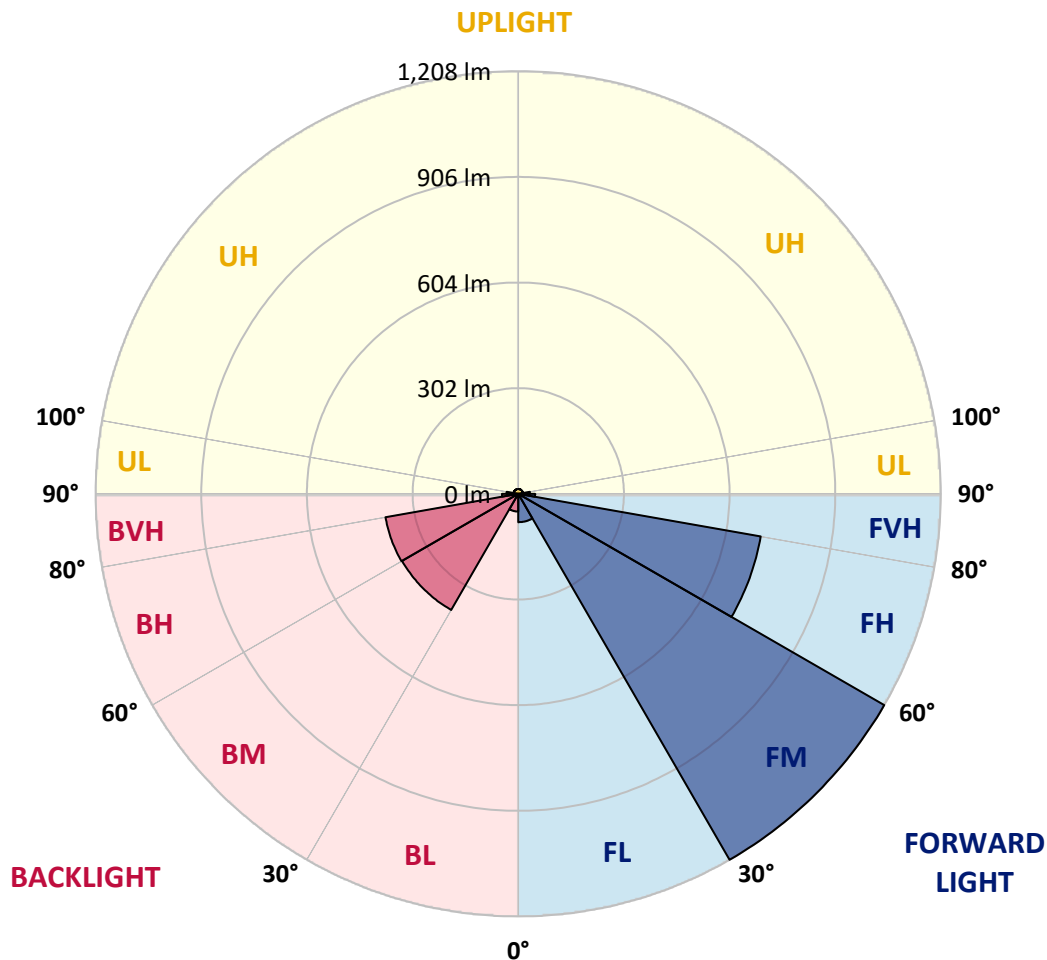


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	81.1	2.7			
FM (30°-60°)	1208.1	40.9			
FH (60°-80°)	703.8	23.8			G1/1800
FVH (80°-90°)	48.4	1.6			G1/100
BL (0°-30°)	50.7	1.7	B0/110		
BM (30°-60°)	383.5	13.0	B1/1000		
BH (60°-80°)	385.5	13.0	B1/500		G1/500
BVH (80°-90°)	46.6	1.6			G1/100
UL (90°-100°)	33.6	1.1		U2/50	
UH (100°-180°)	13.8	0.5		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°	69°	75°	85°
0°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.0	1.0
5°	2.0	2.0	2.0	3.0	2.0	2.0	2.0	2.0	2.0	1.0	1.0
7.5°	4.0	3.0	3.0	3.0	3.0	2.0	2.0	2.0	2.0	1.0	1.0
10°	17.0	14.0	11.0	8.0	5.0	3.0	3.0	2.0	2.0	2.0	2.0
12.5°	74.0	71.0	70.0	66.0	22.0	8.0	5.0	8.0	10.0	14.0	17.0
15°	87.0	86.0	84.0	78.0	74.0	55.0	18.0	68.0	74.0	78.0	79.0
17.5°	159.0	145.0	112.0	97.0	86.0	79.0	75.0	87.0	89.0	91.0	94.0
20°	215.0	215.0	206.0	181.0	110.0	131.0	129.0	104.0	109.0	135.0	170.0
22.5°	269.0	266.0	249.0	230.0	226.0	157.0	150.0	182.0	185.0	202.0	202.0
25°	443.0	443.0	393.0	290.0	271.0	228.0	231.0	233.0	226.0	230.0	240.0
27.5°	526.0	519.0	500.0	442.0	336.0	317.0	274.0	273.0	325.0	336.0	343.0
30°	751.9	748.9	642.0	521.0	454.0	367.0	374.0	382.0	382.0	383.0	372.0
32.5°	908.9	912.9	857.9	692.9	533.0	451.0	453.0	423.0	433.0	502.0	507.0
35°	1061.9	1069.9	993.9	842.9	687.9	559.0	507.0	544.0	565.0	564.0	551.0
37.5°	1216.9	1210.9	1143.9	973.9	805.9	643.0	618.0	640.0	630.0	643.0	602.0
40°	1325.9	1324.9	1264.9	1111.9	925.9	758.9	696.9	716.9	723.9	718.9	665.9
42.5°	1400.9	1393.9	1368.9	1253.9	1082.9	912.9	800.9	814.9	790.9	809.9	742.9
45°	1431.9	1422.9	1418.9	1331.9	1218.9	1147.9	948.9	920.9	893.9	931.9	832.9
47.5°	1389.9	1377.9	1400.9	1373.9	1325.9	1312.9	1121.9	1024.9	1020.9	1049.9	944.9
50°	1253.9	1232.9	1294.9	1342.9	1376.9	1426.9	1315.9	1190.9	1177.9	1179.9	1049.9
52.5°	1037.9	1038.9	1112.9	1199.9	1356.9	1446.9	1501.9	1399.9	1354.9	1332.9	1155.9
55°	828.9	835.9	891.9	968.9	1191.9	1426.9	1643.9	1635.9	1559.9	1480.9	1268.9
57.5°	596.0	611.0	696.9	749.9	964.9	1286.9	1714.9	1845.9	1779.9	1633.9	1389.9
60°	341.0	359.0	453.0	573.0	738.9	1025.9	1679.9	2061.8	1989.8	1794.9	1510.9
62.5°	217.0	222.0	263.0	389.0	483.0	674.9	1531.9	2192.8	2156.8	1942.9	1641.9
65°	168.0	170.0	190.0	272.0	330.0	388.0	1204.9	2155.8	2213.8	2044.8	1749.9
67.5°	154.0	154.0	160.0	195.0	250.0	245.0	778.9	1930.9	2096.8	2058.8	1785.9
70°	144.0	146.0	153.0	158.0	197.0	185.0	419.0	1527.9	1799.9	1921.9	1773.9
72.5°	126.0	128.0	137.0	150.0	153.0	150.0	234.0	1015.9	1367.9	1613.9	1676.9
75°	107.0	108.0	114.0	135.0	134.0	121.0	194.0	607.0	905.9	1183.9	1421.9
77.5°	88.0	91.0	98.0	109.0	122.0	96.0	173.0	357.0	517.0	744.9	985.9
80°	65.0	67.0	74.0	90.0	98.0	83.0	143.0	232.0	290.0	386.0	475.0
82.5°	47.0	48.0	54.0	65.0	70.0	71.0	112.0	187.0	199.0	213.0	214.0
85°	29.0	28.0	29.0	34.0	43.0	46.0	81.0	149.0	150.0	145.0	143.0
87.5°	13.0	13.0	10.0	12.0	14.0	14.0	42.0	118.0	118.0	112.0	116.0
90°	14.0	14.0	10.0	10.0	11.0	10.0	24.0	100.0	106.0	106.0	117.0
92.5°	15.0	14.0	11.0	10.0	10.0	9.0	15.0	80.0	96.0	106.0	121.0
95°	14.0	14.0	10.0	9.0	9.0	8.0	12.0	55.0	77.0	86.0	103.0
97.5°	10.0	10.0	7.0	7.0	8.0	7.0	9.0	23.0	30.0	39.0	52.0
100°	7.0	7.0	5.0	5.0	5.0	5.0	6.0	10.0	12.0	10.0	12.0
102.5°	6.0	7.0	4.0	4.0	4.0	3.0	4.0	5.0	6.0	7.0	9.0
105°	6.0	6.0	3.0	3.0	3.0	3.0	2.0	4.0	4.0	5.0	9.0
107.5°	4.0	4.0	3.0	3.0	2.0	2.0	2.0	3.0	4.0	5.0	9.0
110°	3.0	3.0	2.0	2.0	2.0	2.0	2.0	3.0	4.0	4.0	7.0

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	69°	75°	85°
112.5°	2.0	2.0	2.0	1.0	1.0	2.0	2.0	3.0	3.0	3.0	5.0
115°	2.0	2.0	1.0	1.0	1.0	1.0	2.0	2.0	3.0	3.0	5.0
117.5°	2.0	2.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	3.0	5.0
120°	3.0	2.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	3.0	5.0
122.5°	3.0	3.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	3.0	5.0
125°	3.0	3.0	2.0	1.0	1.0	1.0	1.0	2.0	2.0	3.0	4.0
127.5°	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	4.0
130°	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	4.0
132.5°	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	3.0
135°	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0
137.5°	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0
140°	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
142.5°	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
145°	2.0	3.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0
147.5°	3.0	3.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
150°	3.0	3.0	3.0	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°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2.5°	1.0	1.0	1.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
5°	1.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0
7.5°	1.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0
10°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
12.5°	16.0	15.0	13.0	7.0	3.0	2.0	2.0	2.0	3.0	4.0	4.0
15°	81.0	82.0	80.0	72.0	18.0	5.0	3.0	9.0	34.0	59.0	41.0
17.5°	94.0	95.0	93.0	91.0	83.0	37.0	24.0	79.0	82.0	88.0	86.0
20°	173.0	171.0	143.0	106.0	96.0	89.0	75.0	91.0	96.0	98.0	98.0
22.5°	201.0	200.0	196.0	185.0	114.0	133.0	119.0	100.0	164.0	172.0	171.0
25°	233.0	227.0	216.0	206.0	197.0	146.0	147.0	159.0	168.0	169.0	169.0
27.5°	334.0	326.0	308.0	256.0	231.0	182.0	184.0	163.0	164.0	197.0	203.0
30°	363.0	350.0	331.0	321.0	266.0	214.0	176.0	187.0	193.0	192.0	194.0
32.5°	484.0	465.0	399.0	359.0	293.0	207.0	184.0	181.0	181.0	197.0	199.0
35°	522.0	494.0	458.0	448.0	298.0	203.0	174.0	177.0	200.0	203.0	202.0
37.5°	567.0	528.0	492.0	468.0	312.0	188.0	165.0	178.0	185.0	185.0	184.0
40°	617.0	578.0	541.0	474.0	297.0	173.0	166.0	169.0	174.0	171.0	170.0
42.5°	689.9	638.0	605.0	474.0	259.0	164.0	162.0	162.0	166.0	163.0	162.0
45°	778.9	718.9	658.9	467.0	220.0	159.0	160.0	159.0	163.0	159.0	158.0
47.5°	872.9	810.9	707.9	450.0	190.0	155.0	163.0	158.0	159.0	153.0	152.0
50°	979.9	912.9	758.9	420.0	173.0	155.0	162.0	159.0	156.0	150.0	149.0
52.5°	1087.9	1019.9	818.9	383.0	161.0	152.0	163.0	162.0	158.0	149.0	149.0
55°	1198.9	1151.9	887.9	351.0	148.0	151.0	168.0	168.0	160.0	148.0	147.0
57.5°	1317.9	1285.9	963.9	339.0	136.0	145.0	176.0	178.0	163.0	147.0	147.0
60°	1456.9	1469.9	1044.9	325.0	128.0	140.0	180.0	187.0	167.0	147.0	147.0
62.5°	1629.9	1666.9	1120.9	293.0	121.0	133.0	184.0	197.0	179.0	164.0	165.0
65°	1765.9	1787.9	1147.9	235.0	114.0	136.0	194.0	209.0	187.0	185.0	190.0
67.5°	1840.9	1830.9	1106.9	179.0	106.0	134.0	191.0	217.0	196.0	201.0	204.0
70°	1838.9	1765.9	970.9	138.0	99.0	132.0	194.0	214.0	201.0	215.0	224.0
72.5°	1710.9	1544.9	735.9	120.0	99.0	130.0	189.0	206.0	202.0	216.0	223.0
75°	1374.9	1173.9	505.0	105.0	94.0	124.0	180.0	192.0	184.0	196.0	200.0
77.5°	910.9	771.9	282.0	95.0	93.0	114.0	164.0	170.0	161.0	169.0	172.0
80°	427.0	356.0	157.0	88.0	90.0	101.0	135.0	144.0	130.0	138.0	138.0
82.5°	196.0	181.0	119.0	80.0	81.0	77.0	105.0	119.0	106.0	110.0	106.0
85°	132.0	133.0	95.0	68.0	66.0	55.0	83.0	92.0	80.0	83.0	70.0
87.5°	115.0	118.0	76.0	44.0	38.0	34.0	54.0	56.0	41.0	34.0	33.0
90°	118.0	119.0	70.0	33.0	23.0	18.0	29.0	28.0	18.0	16.0	16.0
92.5°	122.0	122.0	71.0	35.0	23.0	17.0	26.0	21.0	16.0	14.0	14.0
95°	111.0	105.0	62.0	35.0	22.0	15.0	21.0	18.0	14.0	14.0	13.0
97.5°	68.0	62.0	46.0	35.0	18.0	13.0	16.0	14.0	10.0	9.0	9.0
100°	19.0	16.0	29.0	28.0	13.0	9.0	11.0	9.0	6.0	5.0	4.0
102.5°	9.0	9.0	15.0	18.0	7.0	5.0	6.0	6.0	5.0	5.0	4.0
105°	9.0	9.0	7.0	8.0	4.0	3.0	3.0	4.0	4.0	5.0	5.0
107.5°	9.0	10.0	6.0	4.0	4.0	3.0	2.0	3.0	4.0	5.0	6.0
110°	8.0	8.0	5.0	4.0	3.0	3.0	2.0	3.0	4.0	6.0	6.0

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

**CANDELA DISTRIBUTION (continued):**

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