

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: P694786

Luminaire Tested: **LXF.LXT-PA16-30-727-U-T4W-A**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P694786  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-22)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-30-727-U-T4W-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS  
AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3027 lumens  
Efficiency: N/A  
Efficacy: 103.7 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U3 - G2

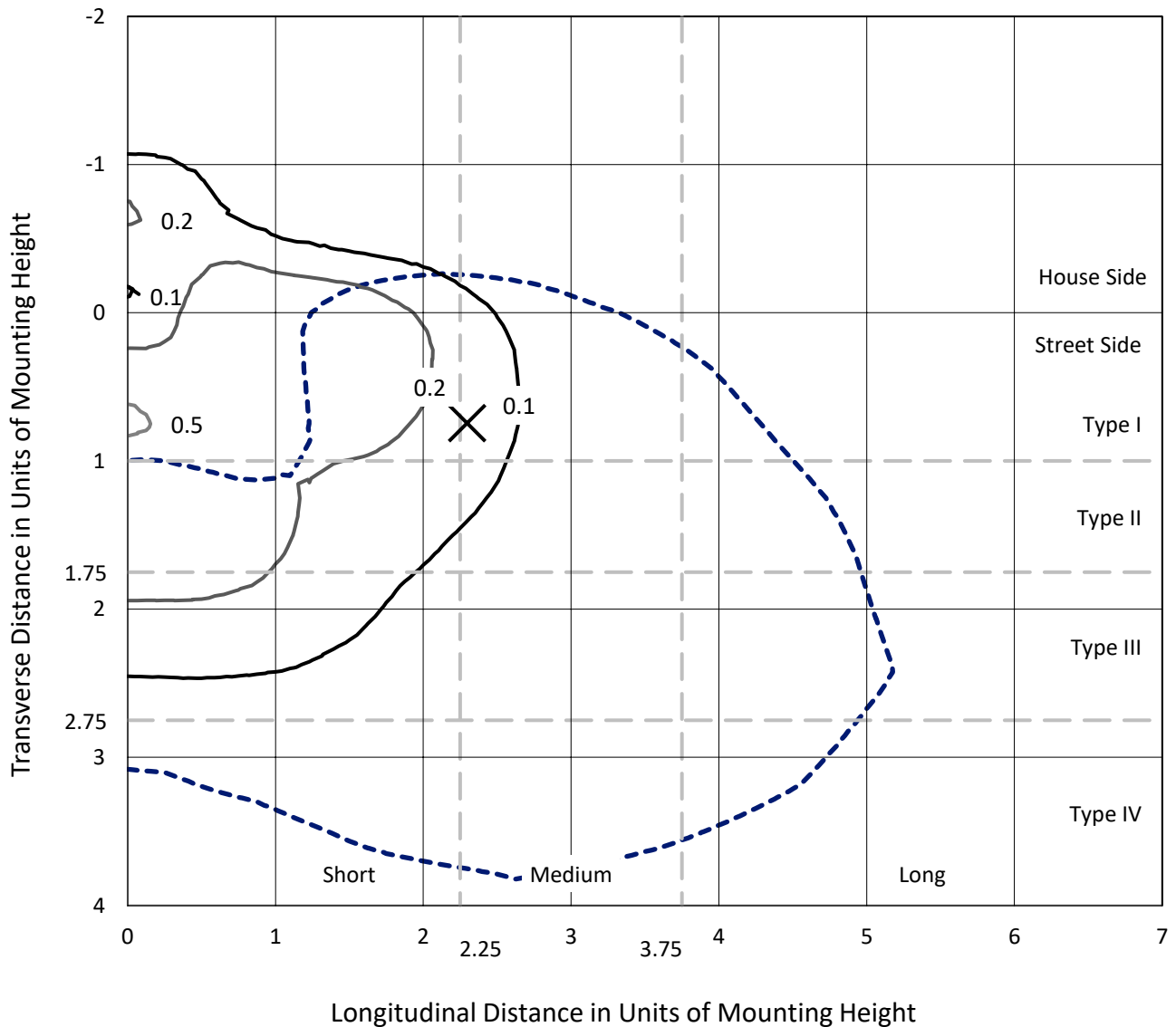
Input Watts (W): 29.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

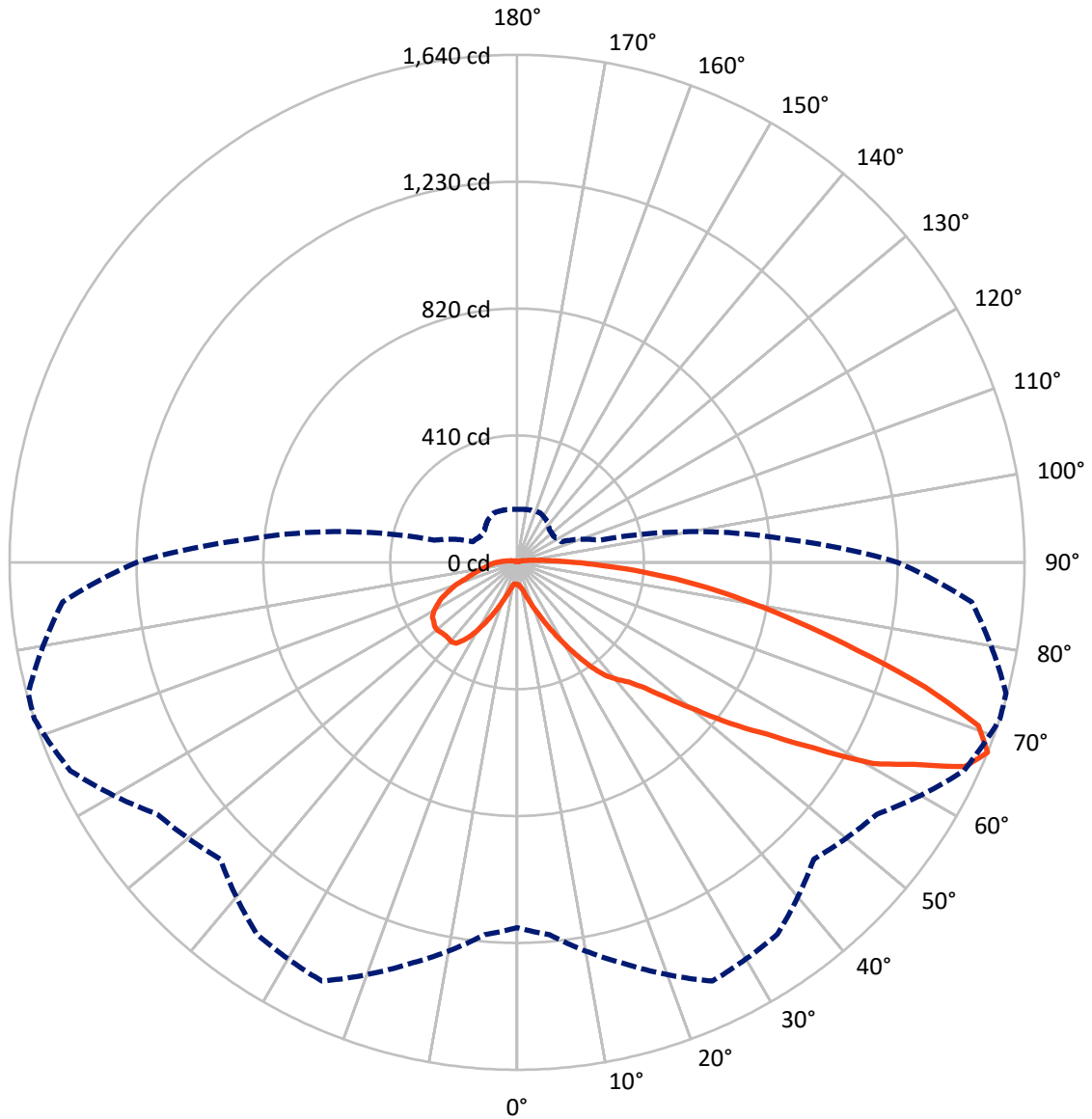
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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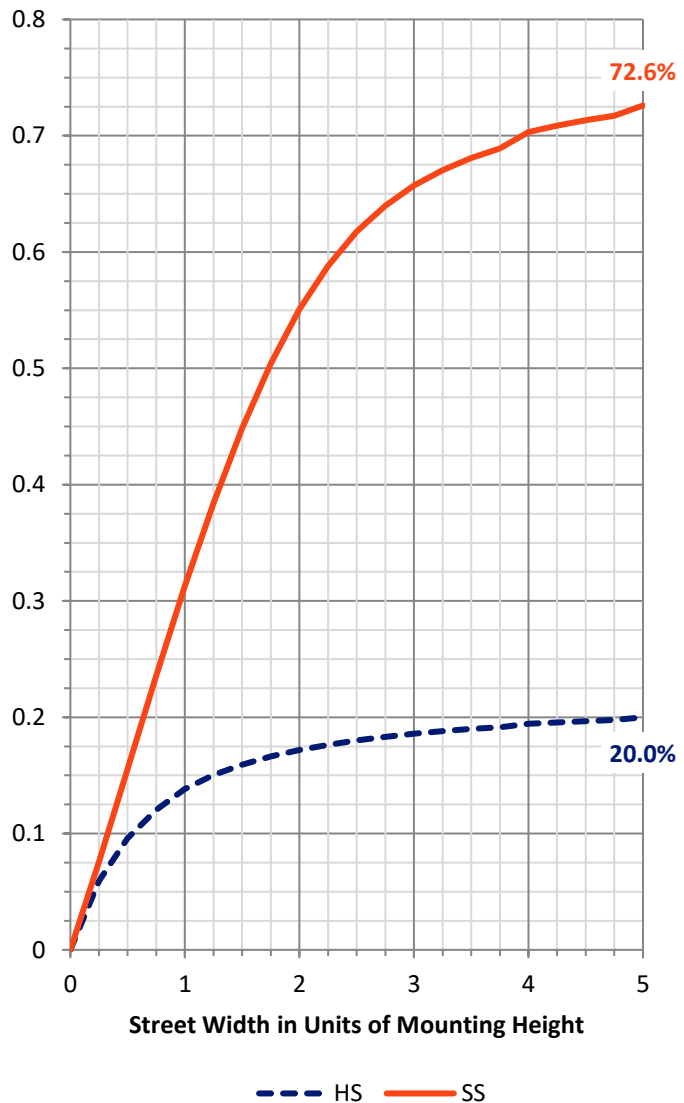
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	638.8	54.9	693.8
	% Fixture	21.1	1.8	22.9
<b>Street Side</b>	Lumens	2274.7	58.5	2333.2
	% Fixture	75.1	1.9	77.1
<b>Total</b>	Lumens	2913.6	113.4	3027.0
	% Fixture	96.3	3.7	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7.3	0.2
10°-20°	31.4	1.0
20°-30°	95.0	3.1
30°-40°	213.9	7.1
40°-50°	343.3	11.3
50°-60°	556.5	18.4
60°-70°	811.6	26.8
70°-80°	608.4	20.1
80°-90°	246.3	8.1
90°-100°	68.4	2.3
100°-110°	22.4	0.7
110°-120°	10.3	0.3
120°-130°	6.2	0.2
130°-140°	4.0	0.1
140°-150°	1.9	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2913.6	96.3
0°-180°	3027.0	100.0

**Coefficient of Utilization**

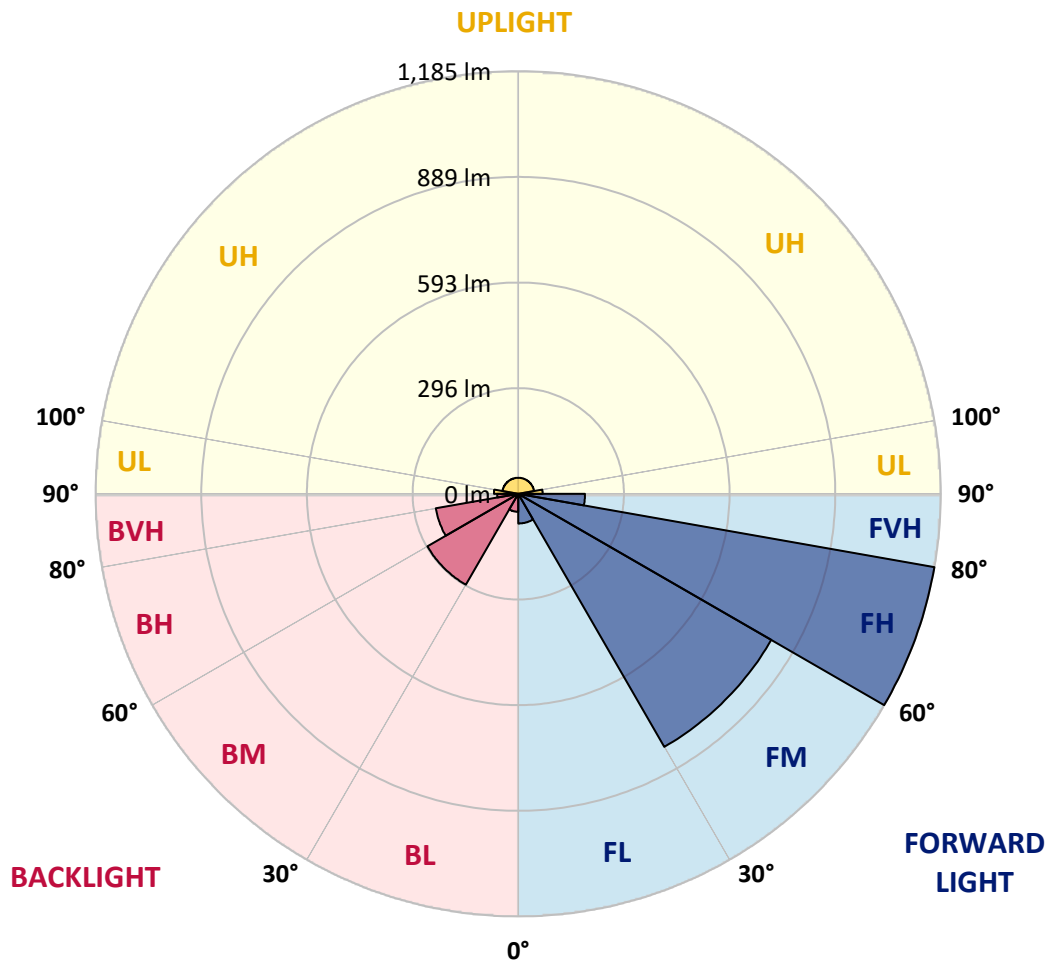


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	83.2	2.7			
FM (30°-60°)	819.4	27.1			
FH (60°-80°)	1185.1	39.2			G1/1800
FVH (80°-90°)	187.0	6.2			G2/225
BL (0°-30°)	50.4	1.7	B0/110		
BM (30°-60°)	294.2	9.7	B1/1000		
BH (60°-80°)	234.9	7.8	B1/500		G1/500
BVH (80°-90°)	59.3	2.0			G1/100
UL (90°-100°)	68.4	2.3		U3/500	
UH (100°-180°)	45.0	1.5		U2/50	

**BUG Rating: B1-U3-G2**  
 Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
2.5°	75.1	75.1	75.1	75.1	75.1	75.1	75.1	74.0	72.9	72.9	71.8
5°	81.6	81.6	81.6	81.6	81.6	80.5	78.3	77.2	76.2	75.1	74.0
7.5°	91.4	90.3	90.3	89.2	88.1	87.0	84.9	82.7	80.5	79.4	77.2
10°	103.4	103.4	102.3	100.1	99.0	94.6	92.5	89.2	87.0	85.9	82.7
12.5°	125.1	122.9	121.8	118.6	113.1	107.7	103.4	100.1	97.9	97.9	93.6
15°	150.1	149.0	146.9	138.2	131.6	124.0	118.6	116.4	115.3	113.1	109.9
17.5°	180.6	180.6	176.2	164.3	153.4	145.8	139.3	136.0	134.9	134.9	131.6
20°	219.8	219.8	211.1	193.7	180.6	170.8	163.2	158.8	158.8	157.7	155.6
22.5°	265.5	267.6	254.6	231.7	210.0	195.8	187.1	186.0	186.0	190.4	188.2
25°	318.8	318.8	302.4	273.1	248.0	223.0	216.5	220.8	224.1	228.5	229.6
27.5°	387.3	385.1	357.9	320.9	281.8	254.6	247.0	255.7	265.5	268.7	275.2
30°	465.6	462.4	428.6	376.4	323.1	282.9	279.6	295.9	313.3	316.6	325.3
32.5°	532.0	534.2	496.1	438.4	365.5	317.7	314.4	340.5	362.3	369.9	386.2
35°	612.5	613.6	567.9	495.0	406.9	350.3	349.2	385.1	416.7	426.5	443.9
37.5°	646.2	652.8	617.9	544.0	448.2	385.1	382.9	427.6	463.5	474.3	493.9
40°	681.0	685.4	649.5	579.9	481.9	415.6	416.7	464.5	497.2	510.2	521.1
42.5°	752.8	755.0	706.1	617.9	510.2	447.1	448.2	491.7	528.7	545.0	564.6
45°	817.0	826.8	779.0	677.8	548.3	474.3	476.5	536.3	577.7	600.5	624.5
47.5°	908.4	908.4	869.2	757.2	604.9	511.3	523.3	599.4	656.0	675.6	710.4
50°	990.0	991.1	961.7	843.1	668.0	562.5	584.2	678.9	750.7	773.5	820.3
52.5°	1057.5	1058.5	1037.9	942.1	753.9	629.9	654.9	784.4	864.9	893.2	934.5
55°	1141.2	1135.8	1122.7	1041.1	851.8	716.9	753.9	896.4	980.2	1018.3	1068.3
57.5°	1230.4	1223.9	1229.4	1148.8	963.9	824.6	862.7	1016.1	1132.5	1181.5	1239.1
60°	1279.4	1281.6	1322.9	1290.3	1099.9	958.5	1000.9	1198.9	1319.6	1357.7	1370.8
62.5°	1303.3	1305.5	1376.2	1398.0	1260.9	1098.8	1158.6	1350.1	1437.1	1485.0	1475.2
65°	1296.8	1305.5	1418.7	1478.5	1395.8	1250.0	1314.2	1492.6	1590.5	1615.6	1539.4
67.5°	1180.4	1207.6	1342.5	1492.6	1466.5	1355.6	1418.7	1592.7	1639.5	1635.1	1474.1
70°	999.8	1007.4	1169.5	1387.1	1445.8	1351.2	1428.4	1572.0	1580.8	1557.9	1329.4
72.5°	769.2	787.7	934.5	1170.6	1302.2	1254.4	1319.6	1432.8	1379.5	1321.8	1072.7
75°	564.6	557.0	680.0	909.5	1078.1	1084.7	1148.8	1215.2	1135.8	1089.0	875.8
77.5°	382.9	401.4	489.6	673.4	847.5	906.2	970.4	979.1	926.9	888.8	670.2
80°	262.2	265.5	331.8	491.7	661.5	744.1	800.7	820.3	745.2	701.7	505.9
82.5°	150.1	153.4	210.0	353.6	518.9	614.7	672.3	666.9	581.0	537.4	351.4
85°	83.8	84.9	121.8	218.7	390.6	491.7	541.8	498.3	412.3	372.1	230.6
87.5°	50.0	52.2	72.9	140.3	265.5	380.8	405.8	347.0	266.5	237.2	152.3
90°	31.5	33.7	44.6	82.7	170.8	267.6	275.2	218.7	165.4	149.0	103.4
92.5°	20.7	21.8	29.4	51.1	105.5	168.6	176.2	131.6	102.3	91.4	70.7
95°	16.3	16.3	20.7	34.8	65.3	99.0	106.6	79.4	66.4	59.8	49.0
97.5°	13.1	13.1	16.3	25.0	44.6	62.0	64.2	52.2	44.6	43.5	37.0
100°	10.9	12.0	14.1	19.6	31.5	41.3	41.3	35.9	32.6	32.6	29.4
102.5°	9.8	9.8	12.0	16.3	25.0	31.5	30.5	27.2	25.0	25.0	23.9
105°	9.8	8.7	10.9	13.1	19.6	23.9	22.8	20.7	19.6	18.5	18.5
107.5°	8.7	7.6	8.7	10.9	16.3	19.6	18.5	16.3	15.2	14.1	15.2
110°	7.6	7.6	7.6	9.8	13.1	16.3	15.2	13.1	12.0	12.0	12.0

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	6.5	6.5	6.5	8.7	10.9	13.1	13.1	10.9	9.8	8.7	9.8
115°	6.5	6.5	6.5	7.6	9.8	12.0	10.9	8.7	7.6	7.6	8.7
117.5°	5.4	5.4	5.4	7.6	8.7	9.8	9.8	7.6	6.5	6.5	7.6
120°	5.4	5.4	5.4	6.5	8.7	8.7	8.7	6.5	6.5	6.5	7.6
122.5°	5.4	5.4	5.4	6.5	7.6	8.7	7.6	6.5	5.4	5.4	6.5
125°	5.4	5.4	5.4	6.5	7.6	7.6	6.5	5.4	5.4	5.4	6.5
127.5°	5.4	5.4	5.4	6.5	6.5	6.5	6.5	5.4	5.4	5.4	6.5
130°	5.4	5.4	5.4	5.4	6.5	6.5	5.4	5.4	5.4	5.4	5.4
132.5°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	4.4	5.4	5.4	5.4
135°	5.4	5.4	5.4	5.4	5.4	5.4	4.4	4.4	4.4	4.4	5.4
137.5°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	5.4
140°	4.4	4.4	4.4	4.4	4.4	4.4	3.3	3.3	3.3	3.3	4.4
142.5°	4.4	4.4	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
145°	3.3	3.3	3.3	3.3	3.3	3.3	2.2	2.2	2.2	3.3	3.3
147.5°	3.3	3.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
150°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
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°	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
2.5°	71.8	71.8	70.7	69.6	69.6	69.6	69.6	69.6	68.5	68.5	68.5
5°	72.9	71.8	70.7	69.6	68.5	67.5	66.4	66.4	65.3	65.3	65.3
7.5°	76.2	75.1	71.8	69.6	67.5	66.4	65.3	64.2	63.1	62.0	62.0
10°	81.6	79.4	75.1	71.8	68.5	66.4	64.2	63.1	62.0	62.0	60.9
12.5°	91.4	89.2	82.7	77.2	71.8	68.5	65.3	64.2	64.2	64.2	65.3
15°	107.7	104.4	95.7	88.1	79.4	72.9	70.7	71.8	72.9	74.0	74.0
17.5°	128.4	124.0	114.2	101.2	89.2	81.6	80.5	81.6	83.8	85.9	85.9
20°	152.3	146.9	131.6	116.4	101.2	94.6	91.4	93.6	96.8	101.2	100.1
22.5°	186.0	177.3	158.8	133.8	116.4	107.7	103.4	106.6	113.1	117.5	117.5
25°	224.1	213.2	189.3	155.6	131.6	118.6	116.4	121.8	133.8	140.3	140.3
27.5°	267.6	254.6	221.9	178.4	148.0	130.6	128.4	140.3	155.6	167.5	166.5
30°	318.8	303.5	261.1	202.4	163.2	140.3	142.5	158.8	179.5	193.7	193.7
32.5°	377.5	353.6	299.2	228.5	175.2	149.0	153.4	175.2	200.2	214.3	216.5
35°	433.0	404.7	330.7	248.0	184.9	156.7	162.1	190.4	219.8	237.2	237.2
37.5°	480.9	450.4	355.8	261.1	189.3	161.0	169.7	202.4	230.6	248.0	248.0
40°	503.7	467.8	363.4	263.3	190.4	163.2	174.1	207.8	235.0	249.1	248.0
42.5°	545.0	497.2	364.5	251.3	187.1	164.3	176.2	205.6	226.3	232.8	231.7
45°	600.5	538.5	369.9	240.4	179.5	162.1	174.1	198.0	210.0	211.1	208.9
47.5°	672.3	598.4	377.5	230.6	173.0	158.8	168.6	187.1	193.7	190.4	189.3
50°	771.3	666.9	388.4	219.8	168.6	153.4	163.2	179.5	183.9	177.3	176.2
52.5°	868.2	735.4	392.7	208.9	164.3	150.1	159.9	176.2	177.3	166.5	165.4
55°	985.7	809.4	387.3	196.9	162.1	149.0	159.9	174.1	169.7	158.8	156.7
57.5°	1132.5	904.1	386.2	186.0	157.7	149.0	161.0	171.9	168.6	161.0	159.9
60°	1223.9	944.3	368.8	179.5	154.5	151.2	163.2	175.2	170.8	162.1	161.0
62.5°	1289.2	961.7	342.7	171.9	152.3	151.2	166.5	176.2	169.7	163.2	162.1
65°	1307.7	944.3	315.5	164.3	149.0	151.2	167.5	175.2	171.9	167.5	167.5
67.5°	1229.4	866.0	276.3	157.7	144.7	148.0	165.4	176.2	174.1	171.9	170.8
70°	1086.8	755.0	240.4	149.0	137.1	142.5	162.1	176.2	176.2	175.2	175.2
72.5°	867.1	583.1	193.7	139.3	128.4	136.0	157.7	173.0	171.9	170.8	169.7
75°	695.2	460.2	164.3	126.2	119.7	127.3	151.2	166.5	164.3	164.3	163.2
77.5°	523.3	348.1	139.3	114.2	108.8	119.7	141.4	155.6	154.5	153.4	151.2
80°	378.6	257.8	118.6	103.4	100.1	109.9	129.5	141.4	141.4	141.4	140.3
82.5°	274.2	190.4	103.4	93.6	91.4	100.1	116.4	126.2	130.6	133.8	131.6
85°	180.6	133.8	91.4	84.9	84.9	92.5	105.5	114.2	120.8	124.0	122.9
87.5°	122.9	102.3	80.5	75.1	77.2	84.9	96.8	103.4	108.8	112.1	111.0
90°	87.0	79.4	68.5	64.2	66.4	76.2	87.0	92.5	94.6	95.7	94.6
92.5°	62.0	58.7	54.4	52.2	55.5	66.4	76.2	78.3	78.3	77.2	75.1
95°	46.8	44.6	43.5	41.3	45.7	55.5	63.1	63.1	63.1	59.8	59.8
97.5°	35.9	35.9	35.9	33.7	37.0	44.6	50.0	49.0	49.0	46.8	46.8
100°	29.4	29.4	29.4	28.3	30.5	35.9	38.1	38.1	39.2	38.1	38.1
102.5°	23.9	23.9	23.9	23.9	25.0	29.4	31.5	30.5	31.5	31.5	31.5
105°	19.6	19.6	20.7	19.6	21.8	25.0	25.0	25.0	26.1	23.9	25.0
107.5°	15.2	16.3	16.3	16.3	18.5	20.7	21.8	20.7	20.7	19.6	19.6
110°	13.1	14.1	14.1	14.1	15.2	17.4	18.5	17.4	16.3	16.3	16.3

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 CATALOG NUMBER: LXF.LXT-PA16-30-727-U-T4W-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	10.9	12.0	12.0	12.0	13.1	15.2	15.2	14.1	13.1	13.1	13.1
115°	9.8	9.8	10.9	10.9	12.0	13.1	13.1	12.0	10.9	12.0	12.0
117.5°	8.7	8.7	9.8	9.8	9.8	10.9	10.9	9.8	9.8	10.9	10.9
120°	7.6	8.7	8.7	8.7	8.7	9.8	9.8	8.7	8.7	9.8	9.8
122.5°	7.6	7.6	7.6	7.6	8.7	8.7	8.7	7.6	7.6	8.7	8.7
125°	6.5	7.6	7.6	7.6	7.6	7.6	7.6	6.5	7.6	7.6	8.7
127.5°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	7.6	7.6
130°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	5.4	6.5	6.5	6.5
132.5°	6.5	6.5	5.4	5.4	5.4	5.4	5.4	5.4	5.4	6.5	6.5
135°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	6.5	6.5
137.5°	5.4	5.4	4.4	4.4	4.4	4.4	4.4	4.4	5.4	5.4	5.4
140°	4.4	4.4	4.4	3.3	3.3	3.3	4.4	4.4	4.4	4.4	4.4
142.5°	4.4	4.4	3.3	3.3	3.3	3.3	3.3	3.3	4.4	4.4	4.4
145°	3.3	3.3	3.3	2.2	2.2	3.3	3.3	3.3	3.3	3.3	3.3
147.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3.3	3.3	3.3	3.3
150°	2.2	2.2	2.2	2.2	1.1	2.2	2.2	2.2	2.2	2.2	2.2
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)