

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: P694774

Luminaire Tested: **LXF.LXT-PA16-30-727-U-T2R-TL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P694774  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-10)  
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-T2R-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY  
OPTICS AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2934 lumens  
Efficiency: N/A  
Efficacy: 100.5 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

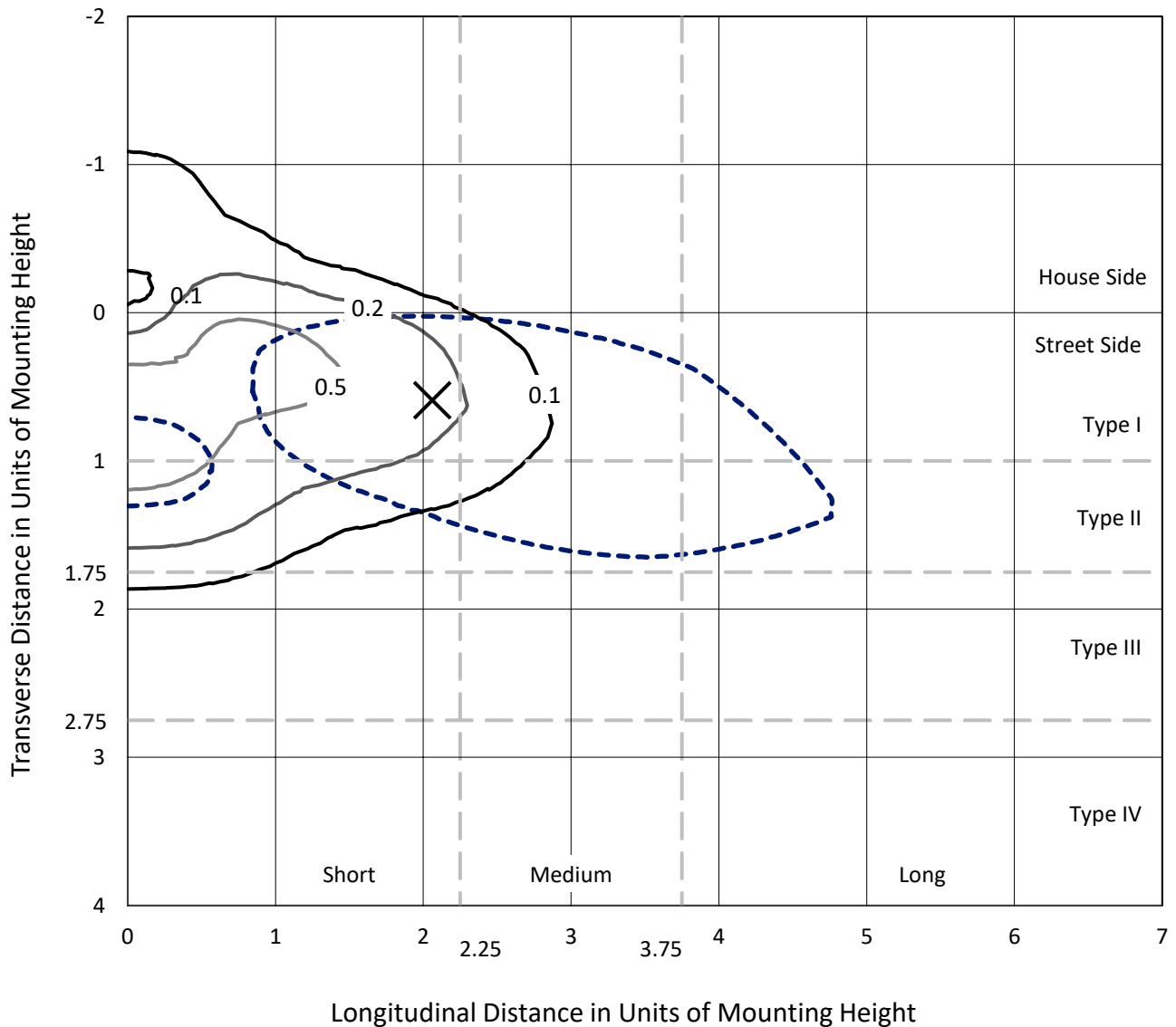
Input Watts (W): 29.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

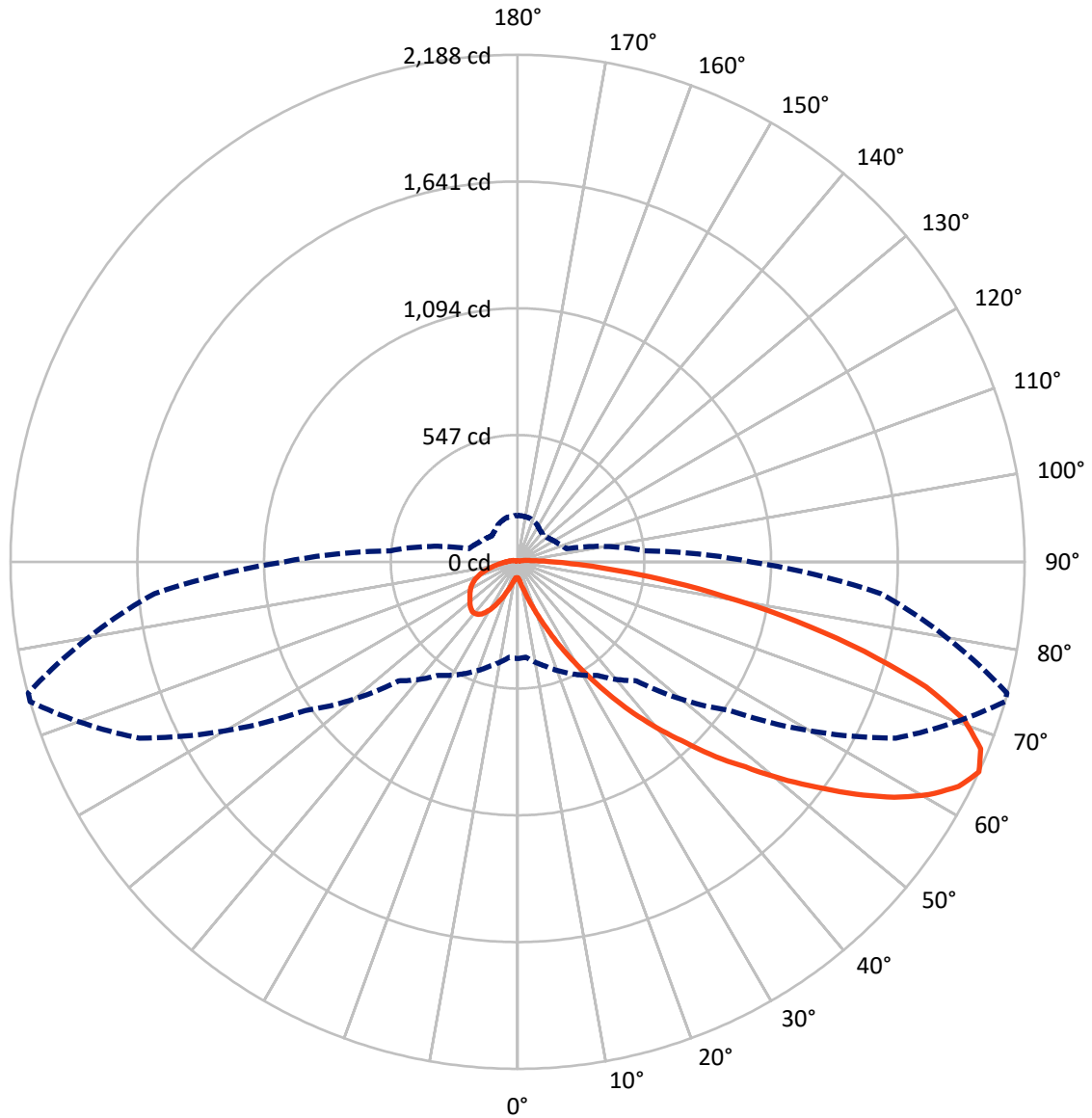
✕ Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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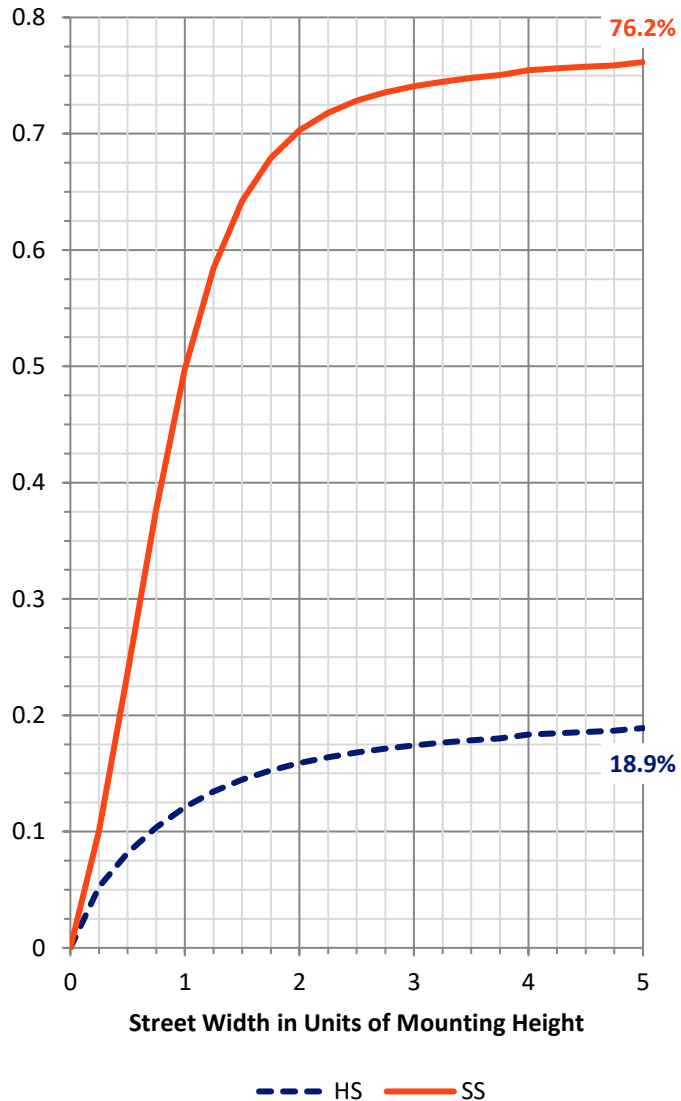
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	582.2	47.5	629.6
	% Fixture	19.8	1.6	21.5
<b>Street Side</b>	Lumens	2261.9	42.5	2304.4
	% Fixture	77.1	1.4	78.5
<b>Total</b>	Lumens	2844.0	90.0	2934.0
	% Fixture	96.9	3.1	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7.9	0.3
10°-20°	42.3	1.4
20°-30°	140.6	4.8
30°-40°	322.3	11.0
40°-50°	515.8	17.6
50°-60°	640.2	21.8
60°-70°	621.4	21.2
70°-80°	405.3	13.8
80°-90°	148.2	5.1
90°-100°	44.2	1.5
100°-110°	20.5	0.7
110°-120°	11.3	0.4
120°-130°	7.1	0.2
130°-140°	4.4	0.2
140°-150°	2.3	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2844.0	96.9
0°-180°	2934.0	100.0

**Coefficient of Utilization**

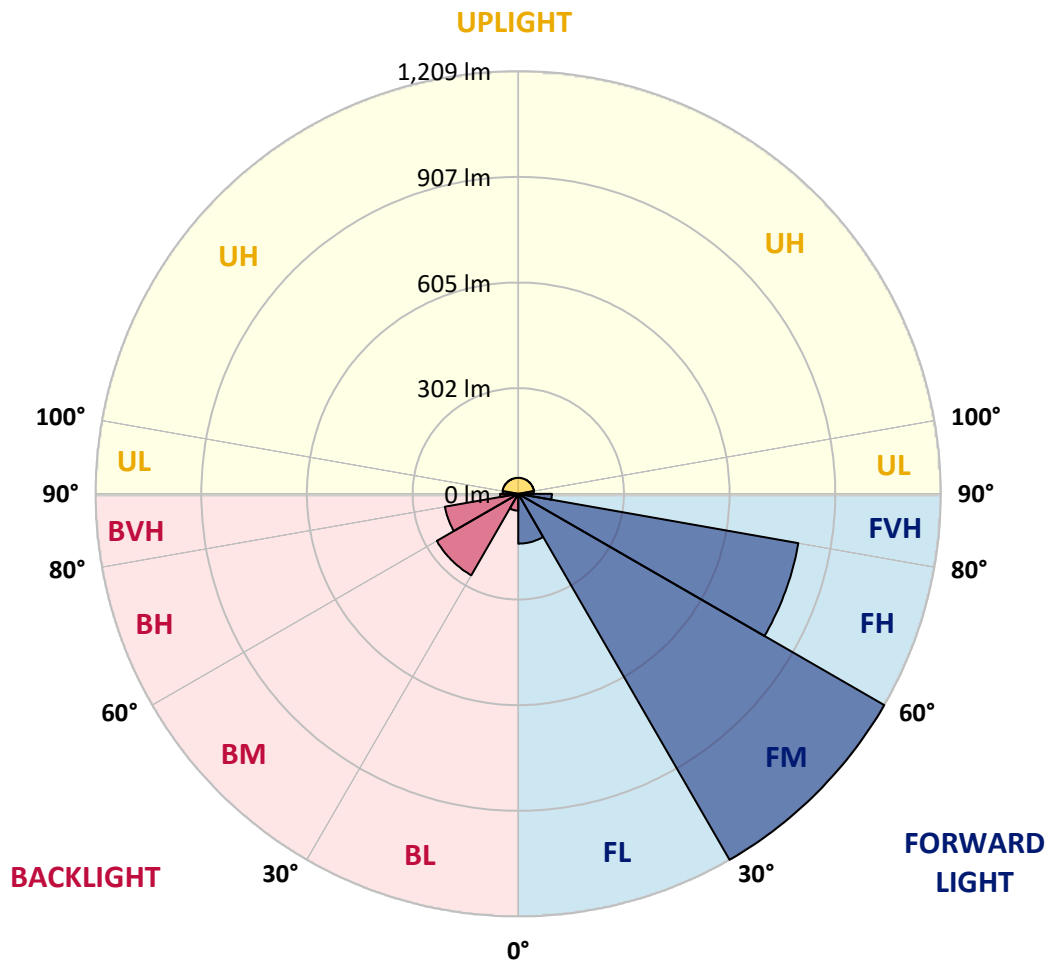


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	142.6	4.9			
FM (30°-60°)	1209.2	41.2			
FH (60°-80°)	813.8	27.7			G1/1800
FVH (80°-90°)	96.2	3.3			G1/100
BL (0°-30°)	48.2	1.6	B0/110		
BM (30°-60°)	269.1	9.2	B1/1000		
BH (60°-80°)	212.9	7.3	B1/500		G1/500
BVH (80°-90°)	52.0	1.8			G1/100
UL (90°-100°)	44.2	1.5		U2/50	
UH (100°-180°)	45.8	1.6		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°	74°	75°	85°
0°	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
2.5°	79.4	80.5	80.5	79.4	78.3	78.3	76.1	74.0	72.9	72.9	71.8
5°	96.8	97.9	97.9	95.7	92.5	91.4	87.0	83.8	80.5	80.5	76.1
7.5°	121.8	122.9	120.7	118.6	114.2	109.9	104.4	97.9	91.4	90.3	84.8
10°	151.2	154.5	152.3	146.8	140.3	134.9	126.2	115.3	108.8	106.6	96.8
12.5°	196.9	194.7	189.3	183.8	176.2	165.3	153.4	140.3	127.3	128.3	115.3
15°	243.6	248.0	240.4	230.6	215.4	203.4	187.1	172.9	158.8	156.6	139.2
17.5°	312.2	311.1	302.4	282.8	260.0	248.0	230.6	213.2	196.9	191.4	168.6
20°	392.7	391.6	374.2	349.2	327.4	303.5	279.5	261.0	241.5	237.1	207.7
22.5°	488.4	484.0	465.5	429.6	392.7	363.3	338.3	324.1	298.0	293.7	253.4
25°	599.3	589.5	568.9	521.0	464.4	430.7	407.9	391.6	366.6	361.1	308.9
27.5°	722.2	715.7	677.6	614.5	547.1	494.9	478.6	467.7	447.0	440.5	370.9
30°	837.5	839.7	798.4	719.0	633.0	570.0	558.0	559.1	531.9	526.4	443.8
32.5°	974.6	965.9	912.6	821.2	713.5	648.3	637.4	652.6	629.8	625.4	523.2
35°	1083.3	1089.9	1033.3	920.2	795.1	720.1	724.4	749.4	736.4	729.8	593.9
37.5°	1187.8	1182.3	1116.0	1003.9	865.8	787.5	803.8	859.3	846.2	838.6	677.6
40°	1257.4	1250.9	1193.2	1072.5	930.0	849.5	881.0	963.7	958.3	955.0	749.4
42.5°	1290.0	1281.3	1234.5	1120.3	976.8	898.4	960.4	1070.3	1069.2	1065.9	832.1
45°	1282.4	1277.0	1241.1	1148.6	1007.2	944.1	1031.1	1181.2	1200.8	1185.6	908.2
47.5°	1248.7	1243.2	1218.2	1148.6	1023.5	972.4	1094.2	1297.6	1322.6	1308.5	993.1
50°	1181.2	1179.1	1172.5	1121.4	1021.3	995.2	1155.1	1403.1	1470.6	1456.4	1089.9
52.5°	1086.6	1085.5	1096.4	1072.5	1000.7	998.5	1203.0	1524.9	1615.2	1600.0	1184.5
55°	975.7	975.7	994.2	996.3	960.4	986.5	1240.0	1622.8	1770.8	1749.0	1287.8
57.5°	834.3	838.6	879.9	907.1	894.1	951.7	1253.0	1716.4	1917.6	1903.5	1394.4
60°	694.0	696.1	744.0	789.7	812.5	902.8	1241.1	1780.6	2040.5	2035.1	1480.4
62.5°	547.1	549.3	599.3	665.7	710.3	822.3	1196.5	1809.9	2136.2	2133.0	1543.4
65°	417.7	413.3	466.6	531.9	598.2	726.6	1119.2	1801.2	2188.4	2186.3	1573.9
67.5°	300.2	308.9	349.2	412.2	479.7	624.3	1012.6	1716.4	2155.8	2158.0	1541.3
70°	217.5	231.7	260.0	307.8	377.4	513.4	884.3	1575.0	2044.9	2057.9	1448.8
72.5°	167.5	168.6	191.4	229.5	285.0	406.8	732.0	1382.5	1843.6	1848.0	1288.9
75°	130.5	133.8	149.0	176.2	218.6	315.4	593.9	1144.3	1545.6	1570.6	1093.1
77.5°	106.6	107.7	119.6	136.0	167.5	238.2	443.8	902.8	1229.1	1231.3	852.8
80°	83.8	88.1	97.9	108.8	130.5	178.4	326.3	661.3	903.9	889.7	603.7
82.5°	64.2	67.4	75.1	87.0	99.0	133.8	233.9	466.6	621.1	610.2	413.3
85°	47.9	50.0	57.6	67.4	78.3	102.2	163.2	301.3	385.0	373.1	251.3
87.5°	33.7	34.8	41.3	50.0	59.8	77.2	113.1	184.9	231.7	227.3	155.5
90°	22.8	23.9	29.4	37.0	46.8	59.8	81.6	115.3	134.9	134.9	99.0
92.5°	16.3	17.4	21.8	28.3	37.0	47.9	59.8	75.1	82.7	81.6	67.4
95°	13.1	13.1	17.4	22.8	30.5	39.2	45.7	51.1	55.5	55.5	51.1
97.5°	10.9	10.9	15.2	19.6	26.1	32.6	37.0	38.1	40.2	40.2	38.1
100°	9.8	9.8	13.1	17.4	21.8	27.2	30.5	29.4	30.5	31.5	29.4
102.5°	8.7	8.7	12.0	15.2	19.6	23.9	25.0	23.9	23.9	23.9	22.8
105°	7.6	7.6	10.9	14.1	17.4	20.7	21.8	19.6	18.5	18.5	18.5
107.5°	6.5	6.5	9.8	12.0	15.2	18.5	18.5	17.4	15.2	15.2	14.1
110°	6.5	6.5	8.7	10.9	14.1	16.3	16.3	14.1	12.0	12.0	12.0

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
112.5°	5.4	5.4	7.6	10.9	13.1	14.1	14.1	12.0	10.9	9.8	9.8
115°	5.4	5.4	7.6	9.8	12.0	13.1	13.1	10.9	8.7	8.7	8.7
117.5°	5.4	5.4	6.5	8.7	10.9	12.0	10.9	9.8	7.6	7.6	7.6
120°	5.4	5.4	6.5	7.6	9.8	10.9	10.9	8.7	6.5	6.5	7.6
122.5°	5.4	5.4	6.5	7.6	8.7	9.8	9.8	7.6	6.5	6.5	6.5
125°	5.4	5.4	6.5	7.6	8.7	9.8	8.7	7.6	5.4	5.4	6.5
127.5°	5.4	5.4	6.5	6.5	7.6	8.7	7.6	6.5	5.4	5.4	6.5
130°	5.4	5.4	6.5	6.5	7.6	7.6	7.6	5.4	5.4	5.4	5.4
132.5°	6.5	6.5	6.5	6.5	6.5	7.6	6.5	5.4	4.4	4.4	5.4
135°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	5.4	4.4	4.4	5.4
137.5°	5.4	6.5	5.4	5.4	5.4	6.5	5.4	4.4	4.4	4.4	4.4
140°	5.4	5.4	5.4	5.4	5.4	5.4	4.4	3.3	4.4	4.4	4.4
142.5°	5.4	5.4	5.4	4.4	4.4	4.4	4.4	3.3	3.3	3.3	4.4
145°	4.4	4.4	4.4	4.4	4.4	4.4	3.3	3.3	3.3	3.3	3.3
147.5°	4.4	4.4	4.4	3.3	3.3	3.3	2.2	2.2	2.2	2.2	3.3
150°	3.3	3.3	3.3	3.3	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°	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
2.5°	70.7	69.6	68.5	67.4	65.3	64.2	64.2	63.1	63.1	63.1	63.1
5°	74.0	72.9	69.6	66.3	63.1	60.9	58.7	58.7	57.6	56.6	56.6
7.5°	81.6	78.3	72.9	67.4	64.2	59.8	57.6	55.5	54.4	54.4	54.4
10°	92.5	88.1	79.4	71.8	66.3	60.9	57.6	55.5	54.4	53.3	53.3
12.5°	107.7	102.2	89.2	79.4	69.6	64.2	59.8	57.6	56.6	56.6	56.6
15°	129.4	120.7	104.4	88.1	77.2	67.4	65.3	65.3	66.3	66.3	66.3
17.5°	157.7	144.7	119.6	99.0	84.8	76.1	72.9	74.0	76.1	76.1	76.1
20°	188.2	172.9	139.2	113.1	94.6	87.0	82.7	84.8	88.1	90.3	90.3
22.5°	230.6	208.8	163.2	128.3	106.6	96.8	94.6	96.8	102.2	104.4	104.4
25°	279.5	246.9	188.2	144.7	119.6	108.8	106.6	109.9	116.4	121.8	121.8
27.5°	330.7	289.3	215.4	161.0	131.6	118.6	117.5	122.9	131.6	137.0	138.1
30°	389.4	332.8	240.4	177.3	143.6	128.3	128.3	137.0	146.8	154.5	155.5
32.5°	447.0	378.5	262.1	191.4	154.5	137.0	138.1	149.0	162.1	168.6	170.8
35°	505.8	417.7	281.7	203.4	162.1	144.7	146.8	161.0	174.0	181.6	181.6
37.5°	562.3	453.6	291.5	209.9	168.6	150.1	154.5	170.8	183.8	190.3	191.4
40°	616.7	480.8	298.0	214.3	172.9	155.5	159.9	177.3	191.4	198.0	198.0
42.5°	664.6	503.6	299.1	215.4	176.2	158.8	165.3	182.7	195.8	200.1	201.2
45°	713.5	523.2	293.7	213.2	178.4	162.1	167.5	186.0	198.0	201.2	202.3
47.5°	758.1	539.5	287.2	211.0	179.5	163.2	169.7	188.2	199.0	200.1	201.2
50°	810.3	552.5	277.4	207.7	180.6	164.2	170.8	188.2	199.0	199.0	199.0
52.5°	860.4	563.4	267.6	204.5	180.6	164.2	170.8	189.3	199.0	198.0	198.0
55°	914.8	573.2	257.8	202.3	179.5	164.2	170.8	189.3	198.0	196.9	198.0
57.5°	957.2	577.6	250.2	200.1	179.5	163.2	169.7	188.2	196.9	196.9	196.9
60°	994.2	576.5	240.4	198.0	178.4	162.1	169.7	187.1	196.9	196.9	196.9
62.5°	1015.9	566.7	230.6	195.8	176.2	159.9	168.6	187.1	196.9	198.0	198.0
65°	1007.2	549.3	217.5	190.3	171.9	157.7	167.5	184.9	195.8	199.0	200.1
67.5°	970.2	510.1	203.4	182.7	167.5	155.5	166.4	182.7	193.6	199.0	199.0
70°	893.0	461.2	184.9	171.9	159.9	152.3	163.2	179.5	189.3	195.8	195.8
72.5°	785.3	398.1	167.5	157.7	151.2	146.8	159.9	174.0	182.7	188.2	188.2
75°	652.6	330.7	146.8	141.4	140.3	139.2	153.4	166.4	171.9	176.2	176.2
77.5°	510.1	266.5	125.1	125.1	125.1	129.4	144.7	153.4	157.7	162.1	162.1
80°	373.1	203.4	105.5	106.6	109.9	118.6	131.6	138.1	140.3	144.7	142.5
82.5°	254.5	147.9	88.1	88.1	94.6	104.4	117.5	120.7	121.8	125.1	121.8
85°	167.5	106.6	72.9	72.9	79.4	89.2	99.0	101.2	101.2	103.3	100.1
87.5°	108.8	78.3	59.8	59.8	64.2	74.0	81.6	81.6	81.6	83.8	80.5
90°	77.2	59.8	50.0	48.9	52.2	59.8	65.3	64.2	64.2	65.3	63.1
92.5°	56.6	48.9	42.4	41.3	43.5	48.9	52.2	51.1	52.2	51.1	50.0
95°	44.6	40.2	37.0	35.9	37.0	40.2	42.4	41.3	41.3	40.2	39.2
97.5°	35.9	33.7	32.6	31.5	31.5	32.6	34.8	33.7	34.8	32.6	31.5
100°	29.4	28.3	28.3	28.3	27.2	28.3	29.4	29.4	29.4	27.2	27.2
102.5°	22.8	23.9	25.0	25.0	23.9	25.0	25.0	25.0	25.0	22.8	22.8
105°	18.5	19.6	21.8	21.8	21.8	21.8	21.8	21.8	21.8	19.6	19.6
107.5°	15.2	16.3	18.5	19.6	18.5	18.5	19.6	19.6	18.5	17.4	17.4
110°	13.1	14.1	15.2	16.3	16.3	16.3	17.4	17.4	16.3	15.2	14.1

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 CATALOG NUMBER: LXF.LXT-PA16-30-727-U-T2R-TL

**CANDELA DISTRIBUTION (continued):**

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