

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: P694766

Luminaire Tested: **LXF.LXT-PA16-30-727-U-SL3-A**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P694766  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-27)  
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-SL3-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2879 lumens  
Efficiency: N/A  
Efficacy: 98.6 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U3 - G2

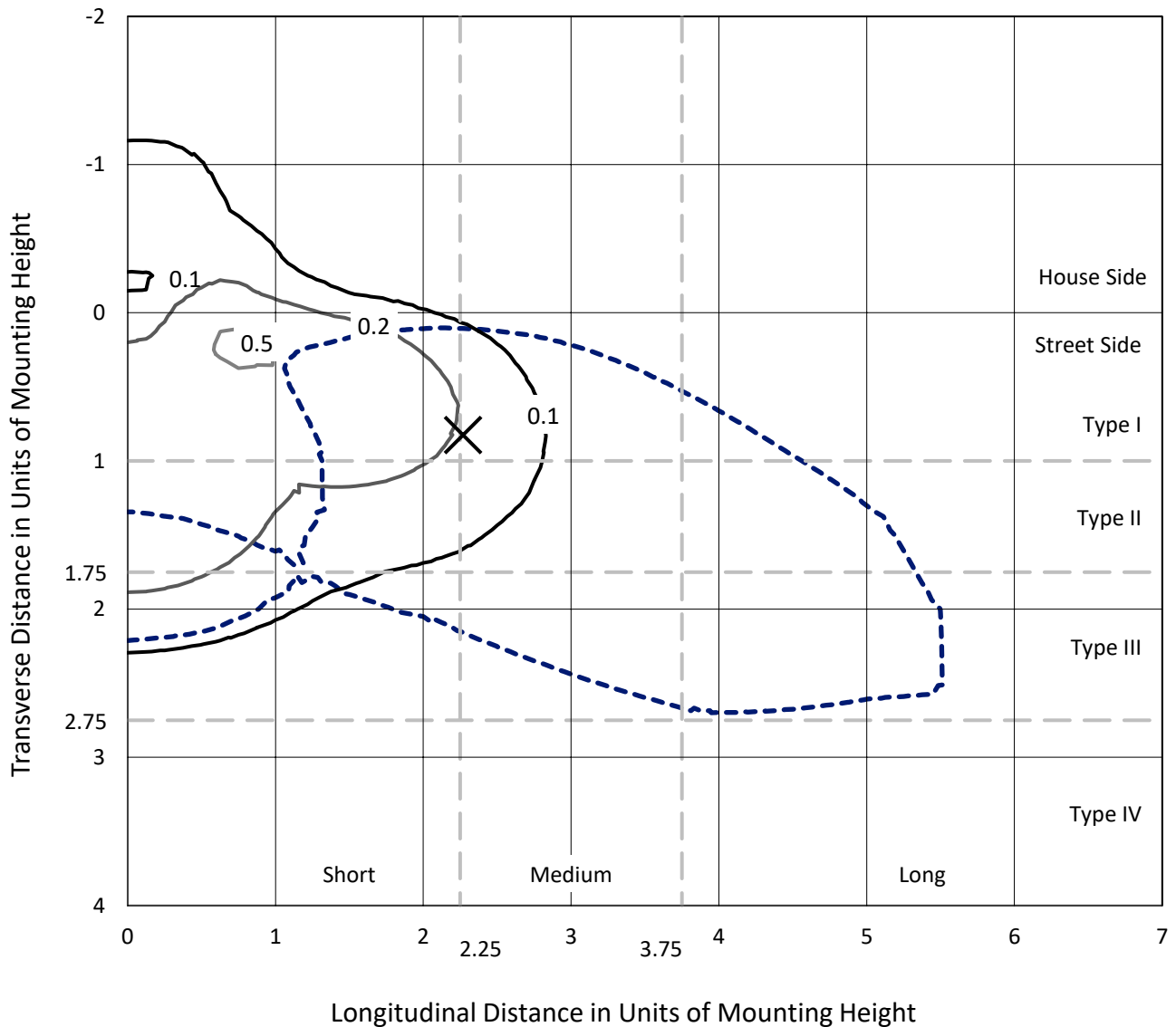
Input Watts (W): 29.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

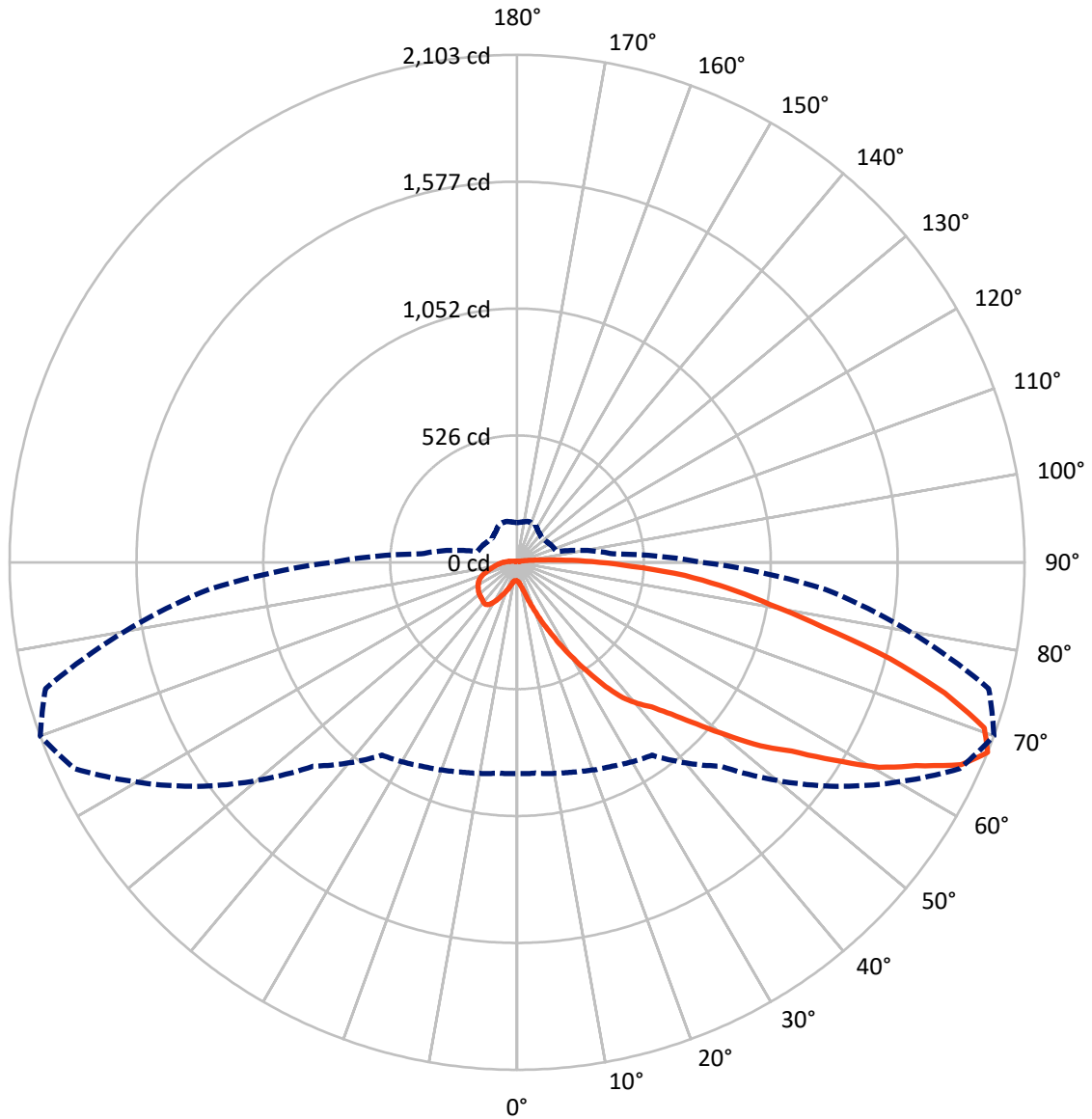
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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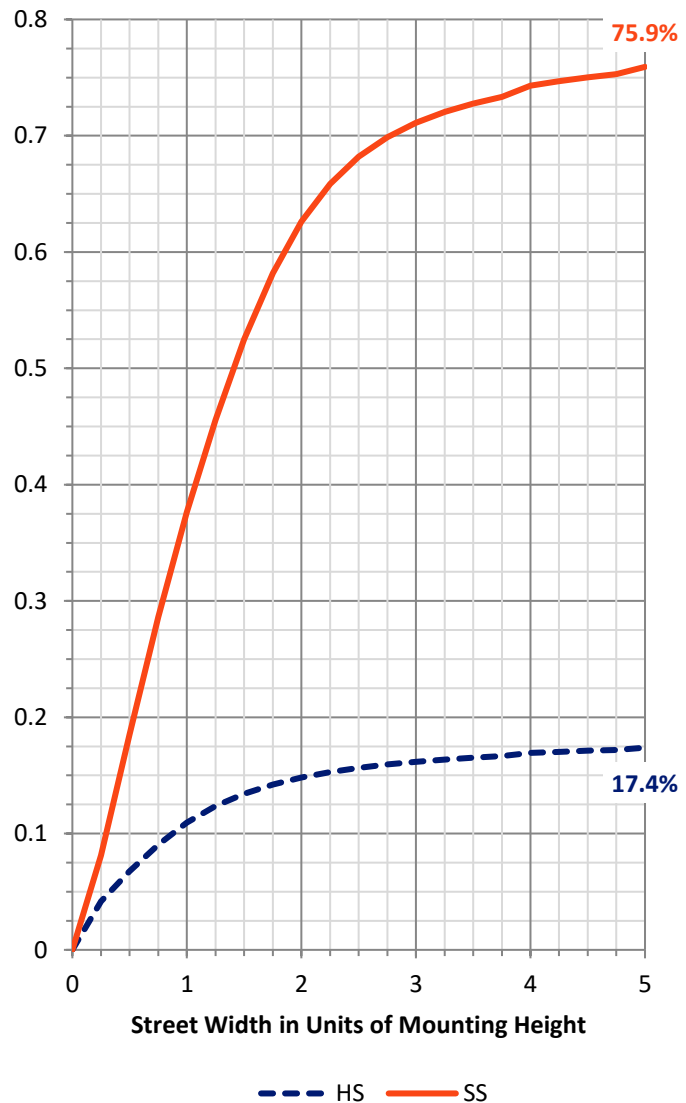
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	525.9	47.0	572.9
	% Fixture	18.3	1.6	19.9
<b>Street Side</b>	Lumens	2246.1	60.0	2306.1
	% Fixture	78.0	2.1	80.1
<b>Total</b>	Lumens	2772.0	107.0	2879.0
	% Fixture	96.3	3.7	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	8.0	0.3
10°-20°	35.1	1.2
20°-30°	103.8	3.6
30°-40°	226.9	7.9
40°-50°	357.2	12.4
50°-60°	552.3	19.2
60°-70°	738.2	25.6
70°-80°	522.3	18.1
80°-90°	228.1	7.9
90°-100°	64.2	2.2
100°-110°	20.6	0.7
110°-120°	10.0	0.3
120°-130°	6.1	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°	2772.0	96.3
0°-180°	2879.0	100.0

**Coefficient of Utilization**

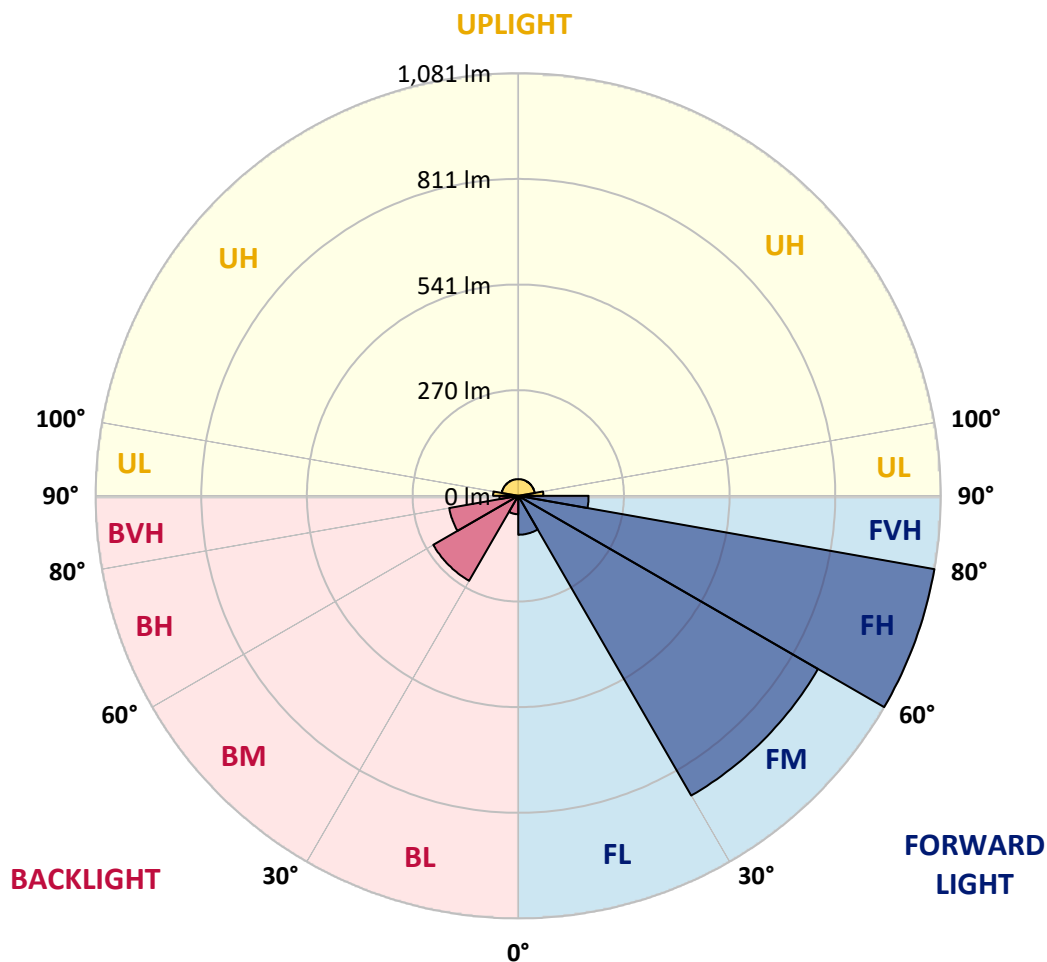


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	99.6	3.5			
FM (30°-60°)	885.4	30.8			
FH (60°-80°)	1081.2	37.6			G1/1800
FVH (80°-90°)	179.9	6.2			G2/225
BL (0°-30°)	47.3	1.6	B0/110		
BM (30°-60°)	251.1	8.7	B1/1000		
BH (60°-80°)	179.4	6.2	B1/500		G1/500
BVH (80°-90°)	48.2	1.7			G1/100
UL (90°-100°)	64.2	2.2		U3/500	
UH (100°-180°)	42.8	1.5		U2/50	

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



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
2.5°	82.7	82.7	83.8	82.7	82.7	82.7	81.6	80.5	79.4	79.4	78.3
5°	91.4	91.4	91.4	91.4	90.3	89.2	88.1	86.0	84.9	83.8	81.6
7.5°	102.3	102.3	102.3	102.3	101.2	100.1	96.8	93.6	92.5	91.4	87.0
10°	118.6	118.6	118.6	116.4	115.3	113.2	109.9	106.6	104.5	102.3	95.8
12.5°	140.4	139.3	139.3	137.1	132.7	128.4	127.3	124.0	121.9	119.7	112.1
15°	167.6	167.6	167.6	162.1	157.8	153.4	152.3	149.1	149.1	145.8	136.0
17.5°	198.0	198.0	193.7	188.2	185.0	182.8	183.9	182.8	181.7	177.4	164.3
20°	231.8	230.7	225.2	217.6	213.3	215.4	218.7	222.0	220.9	215.4	196.9
22.5°	275.3	273.1	263.3	252.4	242.6	245.9	256.8	267.7	270.9	262.2	239.4
25°	322.1	322.1	307.9	291.6	279.6	278.5	293.8	324.2	326.4	325.3	292.7
27.5°	384.1	380.8	361.2	337.3	314.5	315.5	339.5	379.7	392.8	391.7	348.2
30°	451.6	450.5	427.6	392.8	353.6	348.2	387.4	448.3	464.6	471.1	412.4
32.5°	503.8	509.2	480.9	447.2	396.1	381.9	430.9	512.5	545.1	547.3	472.2
35°	562.5	562.5	535.3	492.9	433.1	414.6	475.5	582.1	632.2	636.5	533.2
37.5°	586.5	594.1	573.4	533.2	467.9	442.8	521.2	660.5	711.6	726.8	577.8
40°	618.0	624.6	601.7	558.2	496.2	472.2	560.4	719.2	769.3	776.9	591.9
42.5°	679.0	684.4	650.7	589.7	520.1	497.3	588.7	758.4	819.3	831.3	615.9
45°	741.0	746.4	716.0	644.1	550.6	521.2	615.9	822.6	896.6	907.5	651.8
47.5°	824.8	826.9	786.7	705.1	596.3	549.5	657.2	908.5	1001.0	1014.1	700.7
50°	916.2	919.4	867.2	775.8	648.5	597.4	716.0	1006.5	1125.1	1145.8	771.4
52.5°	1007.6	997.8	951.0	856.3	718.1	655.0	784.5	1131.6	1263.3	1275.2	836.7
55°	1110.9	1095.7	1036.9	928.1	795.4	729.0	891.1	1252.4	1380.8	1389.5	908.5
57.5°	1218.7	1204.5	1129.4	1007.6	873.7	834.6	1008.7	1385.1	1545.1	1567.9	1018.4
60°	1237.1	1229.5	1175.1	1081.6	960.8	948.8	1152.3	1560.3	1725.7	1726.8	1110.9
62.5°	1214.3	1211.0	1161.0	1096.8	1027.1	1067.4	1343.8	1726.8	1856.3	1844.3	1193.6
65°	1104.4	1092.4	1092.4	1060.9	1044.6	1175.1	1512.4	1884.6	2022.7	1985.7	1272.0
67.5°	875.9	877.0	899.8	932.5	976.0	1194.7	1619.1	2023.8	2103.3	2023.8	1280.7
70°	616.9	633.3	682.2	755.1	841.1	1106.6	1624.5	2007.5	2054.3	1976.0	1224.1
72.5°	451.6	438.5	476.6	543.0	672.4	952.1	1485.2	1851.9	1854.1	1738.8	1059.8
75°	305.8	306.8	334.0	391.7	488.5	774.7	1290.5	1603.8	1597.3	1464.6	883.5
77.5°	203.5	205.6	230.7	276.4	367.8	621.3	1079.4	1326.4	1297.0	1206.7	708.3
80°	139.3	144.7	158.9	191.5	267.7	491.8	885.7	1088.1	1064.1	977.1	571.2
82.5°	100.1	101.2	115.3	140.4	191.5	376.5	721.4	912.9	880.3	786.7	455.9
85°	76.2	76.2	86.0	103.4	138.2	287.3	575.6	726.8	697.5	608.2	340.6
87.5°	55.5	56.6	63.1	78.3	102.3	217.6	441.8	522.3	475.5	420.0	233.9
90°	35.9	38.1	42.4	56.6	76.2	154.5	307.9	341.7	310.1	260.1	151.2
92.5°	22.8	22.8	27.2	38.1	55.5	105.5	193.7	202.4	175.2	158.9	92.5
95°	15.2	16.3	19.6	26.1	39.2	71.8	116.4	117.5	103.4	87.0	58.8
97.5°	13.1	13.1	15.2	19.6	29.4	49.0	68.5	66.4	59.8	53.3	41.3
100°	10.9	10.9	13.1	16.3	23.9	35.9	43.5	42.4	39.2	38.1	32.6
102.5°	9.8	9.8	10.9	14.1	19.6	28.3	31.6	29.4	28.3	28.3	25.0
105°	8.7	8.7	9.8	12.0	16.3	22.8	23.9	21.8	21.8	20.7	19.6
107.5°	7.6	7.6	8.7	9.8	14.1	18.5	18.5	16.3	16.3	16.3	16.3
110°	7.6	7.6	7.6	8.7	12.0	15.2	15.2	13.1	13.1	12.0	13.1

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	6.5	6.5	6.5	8.7	10.9	13.1	12.0	10.9	9.8	9.8	10.9
115°	6.5	5.4	6.5	7.6	9.8	10.9	10.9	8.7	8.7	8.7	9.8
117.5°	5.4	5.4	5.4	6.5	8.7	9.8	8.7	7.6	7.6	7.6	8.7
120°	5.4	5.4	5.4	6.5	8.7	8.7	7.6	6.5	6.5	6.5	7.6
122.5°	5.4	5.4	5.4	6.5	7.6	7.6	7.6	6.5	6.5	6.5	7.6
125°	5.4	5.4	5.4	6.5	7.6	7.6	6.5	5.4	5.4	5.4	7.6
127.5°	5.4	5.4	5.4	6.5	6.5	6.5	5.4	5.4	5.4	5.4	6.5
130°	5.4	5.4	5.4	6.5	6.5	5.4	5.4	5.4	5.4	5.4	6.5
132.5°	5.4	5.4	5.4	6.5	6.5	5.4	5.4	4.4	5.4	5.4	6.5
135°	5.4	5.4	5.4	5.4	5.4	4.4	4.4	4.4	4.4	5.4	5.4
137.5°	5.4	5.4	5.4	5.4	5.4	4.4	3.3	4.4	4.4	4.4	5.4
140°	4.4	4.4	4.4	4.4	4.4	3.3	3.3	3.3	3.3	4.4	4.4
142.5°	4.4	4.4	4.4	4.4	3.3	3.3	2.2	3.3	3.3	3.3	4.4
145°	3.3	3.3	3.3	3.3	3.3	2.2	2.2	2.2	2.2	3.3	3.3
147.5°	3.3	3.3	3.3	3.3	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	1.1	1.1	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°	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
2.5°	78.3	77.3	77.3	76.2	75.1	75.1	75.1	75.1	74.0	74.0	74.0
5°	80.5	79.4	77.3	75.1	72.9	70.7	70.7	69.6	69.6	68.5	67.5
7.5°	84.9	82.7	78.3	75.1	71.8	68.5	67.5	66.4	65.3	64.2	64.2
10°	93.6	89.2	82.7	76.2	70.7	66.4	64.2	63.1	62.0	60.9	60.9
12.5°	106.6	102.3	91.4	80.5	71.8	66.4	63.1	62.0	60.9	60.9	60.9
15°	128.4	120.8	104.5	89.2	75.1	67.5	64.2	65.3	67.5	67.5	67.5
17.5°	153.4	143.6	119.7	99.0	81.6	72.9	70.7	72.9	75.1	76.2	76.2
20°	182.8	167.6	136.0	108.8	89.2	82.7	80.5	82.7	86.0	88.1	88.1
22.5°	219.8	195.9	153.4	118.6	99.0	92.5	91.4	93.6	97.9	102.3	101.2
25°	262.2	230.7	173.0	129.5	112.1	103.4	104.5	108.8	116.4	120.8	123.0
27.5°	309.0	266.6	192.6	144.7	124.0	115.3	117.5	125.1	137.1	144.7	144.7
30°	359.1	301.4	212.2	159.9	137.1	127.3	131.7	145.8	158.9	168.7	168.7
32.5°	408.0	335.1	227.4	177.4	151.2	139.3	145.8	164.3	181.7	192.6	193.7
35°	446.1	355.8	235.0	190.4	163.2	149.1	157.8	183.9	206.7	218.7	219.8
37.5°	467.9	362.3	236.1	200.2	173.0	157.8	169.7	200.2	225.2	237.2	237.2
40°	464.6	349.3	228.5	205.6	179.5	165.4	180.6	215.4	240.5	249.2	247.0
42.5°	471.1	343.8	223.1	203.5	181.7	169.7	187.2	223.1	243.7	247.0	244.8
45°	478.8	336.2	217.6	201.3	180.6	171.9	190.4	223.1	240.5	239.4	237.2
47.5°	499.4	335.1	214.4	200.2	179.5	170.8	190.4	222.0	235.0	229.6	227.4
50°	527.7	339.5	212.2	198.0	178.4	168.7	188.2	219.8	231.8	226.3	224.1
52.5°	553.8	341.7	207.8	195.9	177.4	167.6	187.2	219.8	229.6	218.7	215.4
55°	587.6	352.5	202.4	191.5	175.2	165.4	186.1	217.6	219.8	206.7	204.6
57.5°	649.6	373.2	198.0	186.1	171.9	164.3	183.9	210.0	213.3	201.3	198.0
60°	695.3	388.4	193.7	181.7	166.5	161.0	178.4	205.6	206.7	190.4	187.2
62.5°	735.5	399.3	186.1	176.3	163.2	157.8	173.0	195.9	192.6	178.4	177.4
65°	774.7	408.0	180.6	168.7	156.7	151.2	166.5	182.8	183.9	171.9	169.7
67.5°	767.1	399.3	169.7	159.9	149.1	143.6	154.5	174.1	175.2	166.5	164.3
70°	721.4	369.9	156.7	150.2	138.2	132.7	142.5	162.1	165.4	158.9	157.8
72.5°	624.6	319.9	139.3	136.0	126.2	120.8	130.6	146.9	152.3	146.9	144.7
75°	525.5	269.8	124.0	120.8	114.2	108.8	116.4	131.7	138.2	137.1	137.1
77.5°	421.1	216.5	109.9	107.7	102.3	97.9	104.5	117.5	126.2	127.3	125.1
80°	338.4	176.3	96.8	95.8	92.5	89.2	92.5	103.4	113.2	115.3	114.2
82.5°	272.0	146.9	86.0	86.0	82.7	80.5	82.7	92.5	104.5	108.8	107.7
85°	208.9	120.8	77.3	76.2	74.0	72.9	75.1	81.6	94.7	100.1	100.1
87.5°	152.3	95.8	68.5	66.4	65.3	65.3	66.4	72.9	84.9	89.2	88.1
90°	105.5	74.0	58.8	56.6	55.5	56.6	58.8	64.2	72.9	74.0	74.0
92.5°	71.8	56.6	49.0	46.8	46.8	49.0	51.1	55.5	60.9	59.8	58.8
95°	50.1	42.4	39.2	38.1	38.1	40.3	42.4	46.8	50.1	47.9	46.8
97.5°	37.0	33.7	32.6	31.6	30.5	33.7	34.8	37.0	40.3	39.2	38.1
100°	29.4	28.3	27.2	26.1	25.0	27.2	28.3	30.5	32.6	30.5	30.5
102.5°	23.9	23.9	22.8	21.8	21.8	22.8	23.9	25.0	26.1	25.0	23.9
105°	19.6	19.6	19.6	18.5	18.5	19.6	20.7	20.7	21.8	19.6	19.6
107.5°	16.3	16.3	17.4	16.3	16.3	17.4	17.4	17.4	17.4	16.3	16.3
110°	14.1	14.1	14.1	14.1	14.1	15.2	15.2	15.2	15.2	14.1	13.1

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 CATALOG NUMBER: LXF.LXT-PA16-30-727-U-SL3-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	12.0	12.0	12.0	12.0	12.0	13.1	13.1	13.1	13.1	12.0	12.0
115°	9.8	10.9	10.9	10.9	10.9	10.9	12.0	10.9	10.9	10.9	10.9
117.5°	8.7	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
120°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	9.8	9.8
122.5°	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	8.7	8.7	8.7
125°	7.6	7.6	7.6	7.6	6.5	6.5	7.6	7.6	7.6	7.6	7.6
127.5°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	7.6
130°	6.5	6.5	6.5	6.5	5.4	5.4	5.4	6.5	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	4.4	4.4	5.4	5.4	5.4	5.4	5.4
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	3.3	3.3	3.3	2.2	2.2	3.3	4.4	4.4	4.4	4.4
145°	3.3	3.3	3.3	2.2	2.2	2.2	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	1.1	1.1	1.1	2.2	3.3	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)