

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: P694782

Luminaire Tested: **LXF.LXT-PA16-30-727-U-T3-CL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P694782  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-18)  
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-T3-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3108.1 lumens  
Efficiency: N/A  
Efficacy: 106.4 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 - U2 - G1

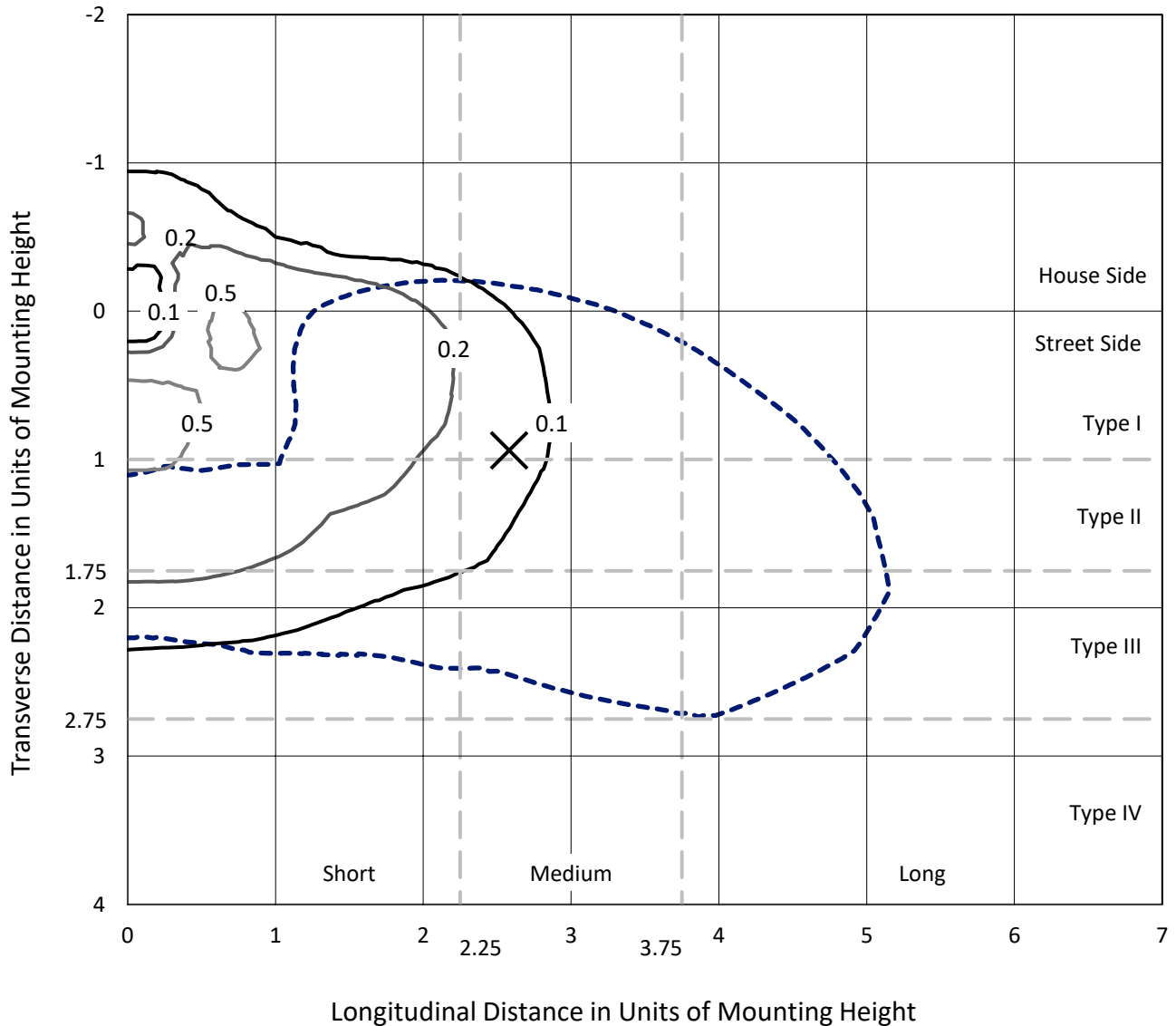
Input Watts (W): 29.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

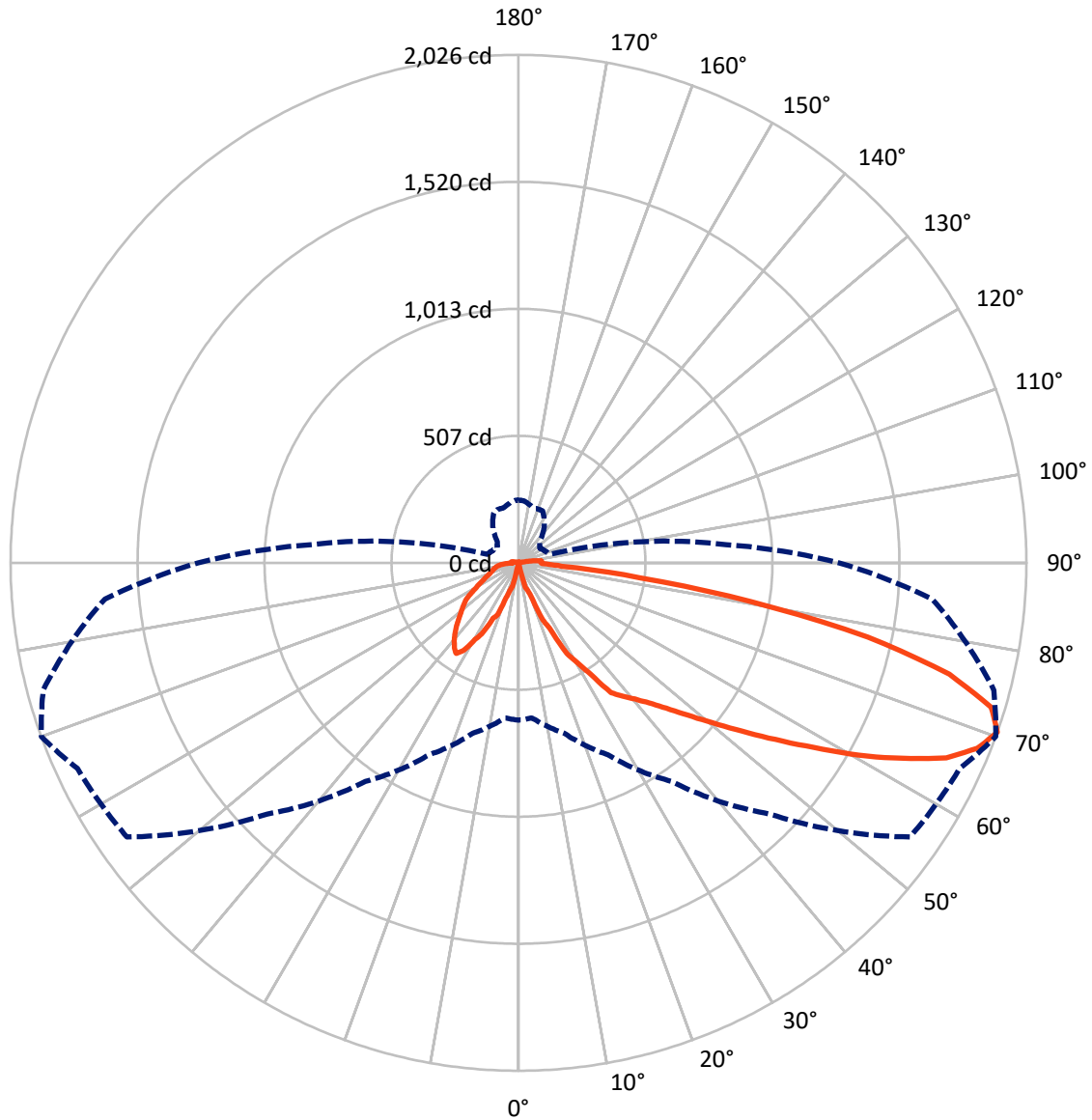
× Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



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

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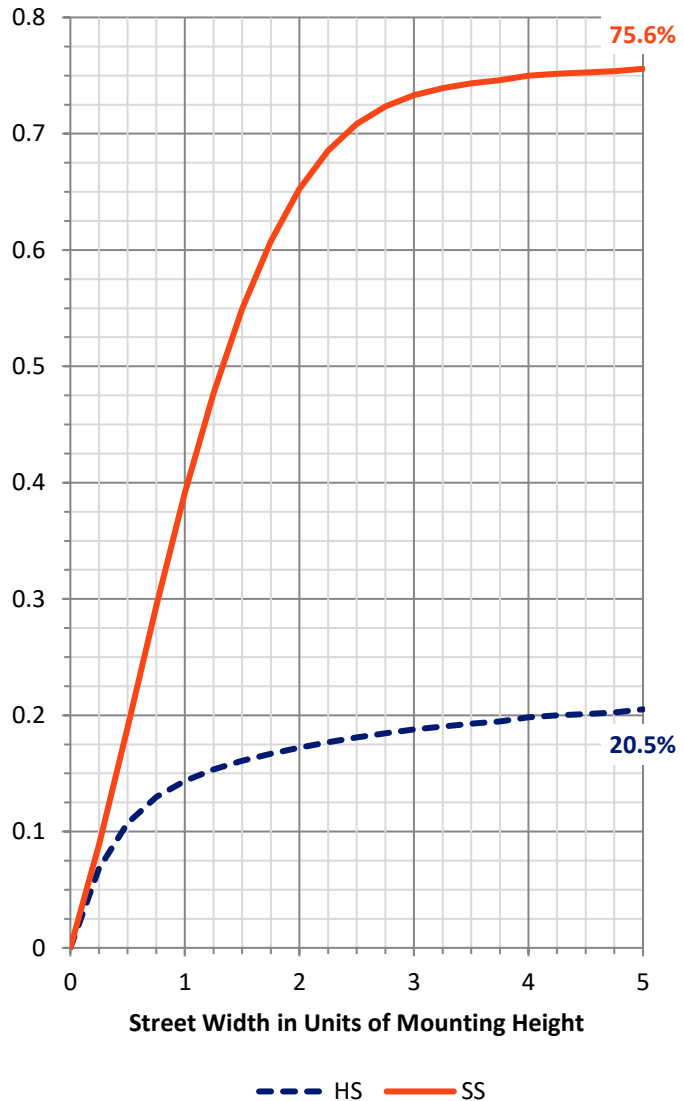
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	676.3	33.6	709.9
	% Fixture	21.8	1.1	22.8
<b>Street Side</b>	Lumens	2368.7	29.5	2398.2
	% Fixture	76.2	0.9	77.2
<b>Total</b>	Lumens	3045.0	63.1	3108.1
	% Fixture	98.0	2.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.3	0.0
10°-20°	22.2	0.7
20°-30°	127.0	4.1
30°-40°	293.2	9.4
40°-50°	429.4	13.8
50°-60°	635.1	20.4
60°-70°	833.0	26.8
70°-80°	565.7	18.2
80°-90°	139.2	4.5
90°-100°	45.7	1.5
100°-110°	8.2	0.3
110°-120°	3.3	0.1
120°-130°	2.6	0.1
130°-140°	1.8	0.1
140°-150°	1.4	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3045.0	98.0
0°-180°	3108.1	100.0

**Coefficient of Utilization**

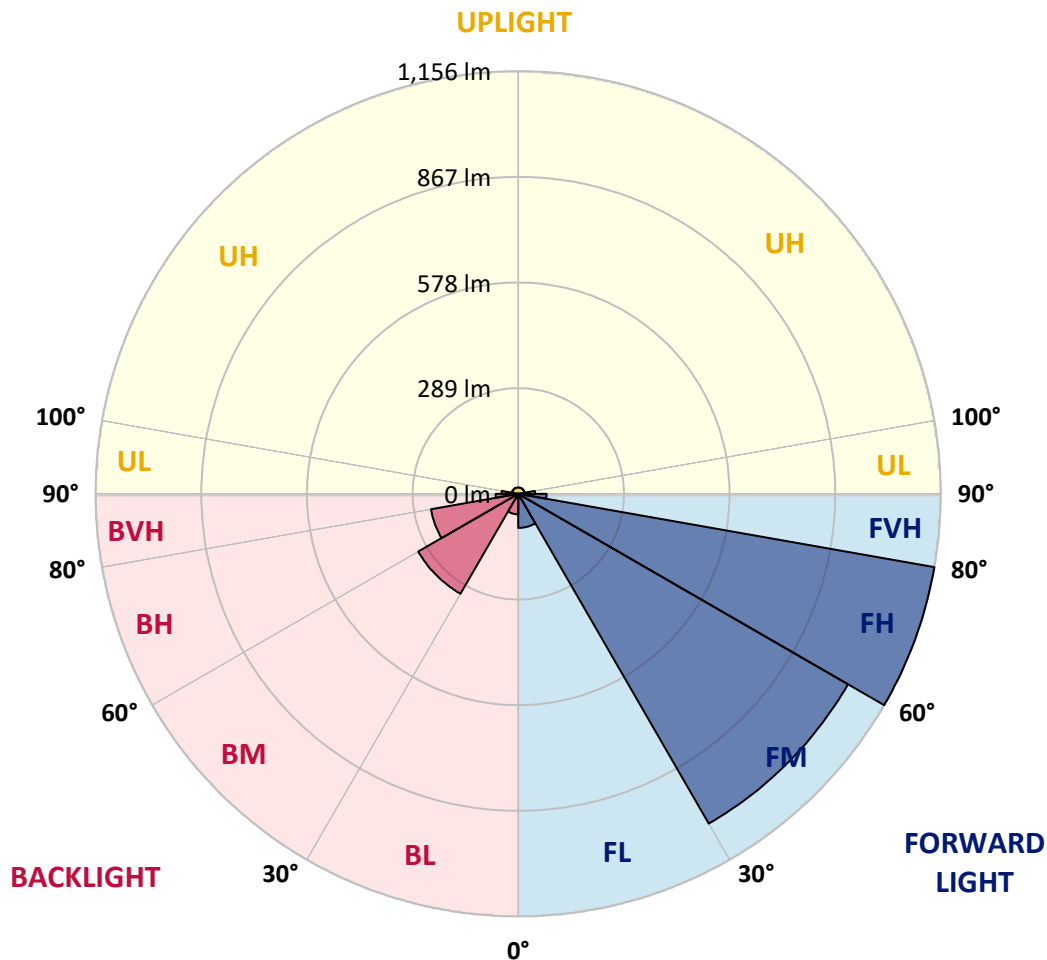


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	93.3	3.0			
FM (30°-60°)	1041.8	33.5			
FH (60°-80°)	1156.2	37.2			G1/1800
FVH (80°-90°)	77.3	2.5			G1/100
BL (0°-30°)	56.1	1.8	B0/110		
BM (30°-60°)	315.9	10.2	B1/1000		
BH (60°-80°)	242.5	7.8	B1/500		G1/500
BVH (80°-90°)	61.8	2.0			G1/100
UL (90°-100°)	45.7	1.5		U2/50	
UH (100°-180°)	17.4	0.6		U2/50	

**BUG Rating: B1-U2-G1**  
 Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
2.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
5°	2.2	2.2	2.2	2.2	3.3	3.3	2.2	2.2	2.2	2.2	2.2
7.5°	3.3	2.2	2.2	3.3	3.3	3.3	3.3	2.2	2.2	2.2	2.2
10°	18.5	19.6	13.1	7.6	5.4	3.3	3.3	3.3	3.3	3.3	3.3
12.5°	100.1	99.0	96.8	67.4	23.9	7.6	5.4	9.8	12.0	15.2	21.8
15°	113.1	114.2	110.9	109.9	103.3	39.2	20.7	91.4	100.1	101.2	101.2
17.5°	157.7	156.6	141.4	124.0	116.4	120.7	96.8	108.8	113.1	115.3	116.4
20°	265.4	264.3	261.0	223.0	143.6	176.2	170.8	129.4	137.0	176.2	224.1
22.5°	295.8	293.7	289.3	278.4	288.2	201.2	195.8	227.3	246.9	258.9	257.8
25°	453.6	457.9	377.4	313.3	318.7	275.2	295.8	293.7	288.2	290.4	293.7
27.5°	504.7	500.3	493.8	462.3	354.6	374.2	337.2	375.2	410.1	429.6	424.2
30°	647.2	646.1	568.9	514.5	465.5	405.7	419.8	473.1	461.2	464.4	447.0
32.5°	755.9	754.9	744.0	635.2	527.5	459.0	498.2	500.3	530.8	590.6	596.0
35°	798.4	794.0	786.4	707.0	600.4	540.6	526.4	618.9	636.3	638.5	623.2
37.5°	841.9	836.4	829.9	741.8	672.2	573.2	603.7	674.4	674.4	688.5	650.4
40°	866.9	866.9	865.8	771.2	704.8	602.6	641.7	716.8	714.6	724.4	688.5
42.5°	898.4	895.2	907.1	801.6	738.5	633.0	678.7	757.0	763.6	788.6	739.6
45°	943.0	947.4	952.8	866.9	784.2	677.6	722.2	820.1	826.6	860.4	813.6
47.5°	992.0	997.4	1017.0	935.4	858.2	734.2	759.2	891.9	907.1	948.5	907.1
50°	1052.9	1054.0	1082.2	1003.9	952.8	814.7	826.6	961.5	1001.8	1038.7	1013.7
52.5°	1096.4	1100.7	1135.5	1092.0	1039.8	911.5	924.5	1051.8	1114.9	1160.6	1129.0
55°	1134.5	1137.7	1170.3	1159.5	1112.7	985.4	1051.8	1173.6	1244.3	1283.5	1270.4
57.5°	1148.6	1151.9	1200.8	1209.5	1186.7	1079.0	1185.6	1294.3	1389.0	1432.5	1410.7
60°	1138.8	1138.8	1198.6	1245.4	1268.2	1182.3	1327.0	1430.3	1558.6	1588.0	1595.6
62.5°	1106.2	1114.9	1187.7	1260.6	1327.0	1283.5	1470.5	1598.9	1717.4	1744.6	1727.2
65°	1034.4	1036.6	1113.8	1228.0	1333.5	1393.3	1654.4	1741.4	1875.2	1865.4	1791.4
67.5°	898.4	883.2	950.6	1111.6	1261.7	1449.9	1807.7	1862.1	1974.1	1941.5	1775.1
70°	627.6	621.1	703.7	845.1	1063.8	1417.2	1906.7	1941.5	2026.3	1963.3	1656.5
72.5°	298.0	322.0	363.3	484.0	737.4	1196.4	1879.5	1933.9	1972.0	1900.2	1439.0
75°	130.5	133.8	155.5	219.7	379.6	755.9	1644.6	1737.0	1775.1	1693.5	1133.4
77.5°	93.5	93.5	103.3	119.6	172.9	361.1	1120.3	1375.9	1424.9	1345.5	794.0
80°	72.9	72.9	80.5	91.4	107.7	149.0	698.3	922.4	939.8	822.3	442.7
82.5°	54.4	56.6	63.1	68.5	79.4	102.2	299.1	474.2	486.2	381.8	231.7
85°	39.2	39.2	43.5	43.5	52.2	79.4	154.5	174.0	172.9	153.4	143.6
87.5°	13.1	13.1	10.9	13.1	21.8	50.0	96.8	97.9	93.5	106.6	120.7
90°	15.2	15.2	10.9	12.0	16.3	45.7	93.5	93.5	89.2	95.7	120.7
92.5°	16.3	16.3	12.0	12.0	14.1	40.2	94.6	99.0	93.5	96.8	119.6
95°	16.3	16.3	12.0	10.9	13.1	27.2	91.4	91.4	88.1	85.9	94.6
97.5°	9.8	9.8	7.6	8.7	10.9	14.1	54.4	56.6	50.0	39.2	51.1
100°	6.5	6.5	5.4	6.5	7.6	7.6	26.1	27.2	20.7	9.8	10.9
102.5°	6.5	6.5	4.4	5.4	4.4	4.4	7.6	9.8	6.5	6.5	8.7
105°	6.5	7.6	3.3	3.3	3.3	3.3	3.3	6.5	5.4	5.4	8.7
107.5°	6.5	6.5	3.3	3.3	3.3	3.3	2.2	3.3	4.4	5.4	9.8
110°	3.3	4.4	2.2	3.3	2.2	3.3	2.2	3.3	4.4	4.4	7.6

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	2.2	2.2	1.1	2.2	2.2	2.2	2.2	3.3	3.3	3.3	5.4
115°	2.2	2.2	1.1	1.1	1.1	2.2	2.2	2.2	3.3	3.3	5.4
117.5°	2.2	2.2	1.1	1.1	1.1	1.1	2.2	2.2	2.2	3.3	5.4
120°	3.3	2.2	1.1	1.1	1.1	1.1	2.2	2.2	3.3	3.3	5.4
122.5°	3.3	2.2	1.1	1.1	1.1	1.1	1.1	2.2	2.2	3.3	5.4
125°	3.3	2.2	1.1	1.1	1.1	1.1	1.1	2.2	2.2	3.3	5.4
127.5°	2.2	2.2	1.1	1.1	1.1	1.1	1.1	2.2	2.2	3.3	5.4
130°	2.2	2.2	1.1	1.1	1.1	1.1	1.1	2.2	2.2	3.3	4.4
132.5°	2.2	2.2	1.1	1.1	1.1	1.1	2.2	2.2	2.2	2.2	4.4
135°	2.2	2.2	1.1	1.1	1.1	1.1	2.2	2.2	2.2	2.2	3.3
137.5°	2.2	2.2	1.1	1.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2
140°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
142.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
145°	3.3	3.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
147.5°	3.3	3.3	3.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3.3
150°	3.3	3.3	3.3	2.2	2.2	1.1	2.2	2.2	2.2	2.2	3.3
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°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
2.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3.3	3.3
5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3.3
7.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
10°	3.3	3.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3.3
12.5°	19.6	19.6	15.2	7.6	3.3	2.2	2.2	2.2	3.3	5.4	4.4
15°	103.3	103.3	101.2	92.5	19.6	5.4	4.4	9.8	43.5	78.3	79.4
17.5°	118.6	117.5	115.3	109.9	97.9	34.8	33.7	91.4	97.9	102.2	103.3
20°	223.0	220.8	170.8	121.8	106.6	105.5	92.5	103.3	106.6	108.8	109.9
22.5°	254.5	251.3	239.3	211.0	121.8	143.6	134.9	112.0	167.5	179.5	179.5
25°	292.6	283.9	260.0	227.3	207.7	151.2	155.5	163.2	172.9	175.1	175.1
27.5°	416.6	409.0	374.2	250.2	223.0	178.4	180.6	165.3	174.0	199.0	202.3
30°	436.2	424.2	392.7	308.9	231.7	200.1	172.9	193.6	203.4	202.3	203.4
32.5°	580.8	568.9	504.7	317.6	249.1	188.2	189.3	193.6	200.1	211.0	218.6
35°	603.7	590.6	517.7	361.1	238.2	187.1	187.1	195.8	225.1	229.5	229.5
37.5°	628.7	617.8	512.3	337.2	240.4	187.1	181.6	200.1	212.1	211.0	211.0
40°	672.2	654.8	498.2	307.8	218.6	179.5	181.6	188.2	194.7	188.2	184.9
42.5°	723.3	691.8	479.7	277.4	201.2	169.7	171.9	174.0	174.0	162.1	161.0
45°	788.6	729.8	454.7	249.1	184.9	157.7	163.2	159.9	159.9	150.1	149.0
47.5°	862.5	769.0	424.2	224.1	170.8	146.8	154.5	151.2	153.4	144.7	143.6
50°	948.5	820.1	394.8	205.6	158.8	141.4	145.7	150.1	153.4	142.5	141.4
52.5°	1038.7	870.1	374.2	184.9	147.9	134.9	149.0	150.1	152.3	141.4	141.4
55°	1149.7	932.1	349.1	169.7	140.3	129.4	156.6	156.6	153.4	143.6	142.5
57.5°	1269.3	994.1	302.4	155.5	133.8	126.2	159.9	165.3	157.7	145.7	145.7
60°	1380.3	1056.1	249.1	144.7	127.3	125.1	162.1	169.7	163.2	152.3	152.3
62.5°	1465.1	1086.6	208.8	136.0	119.6	121.8	161.0	178.4	176.2	170.8	170.8
65°	1474.9	1059.4	175.1	128.3	113.1	120.7	158.8	187.1	188.2	196.9	198.0
67.5°	1422.7	972.4	149.0	121.8	107.7	117.5	159.9	205.6	211.0	227.3	225.1
70°	1279.1	831.0	129.4	114.2	103.3	118.6	179.5	228.4	227.3	248.0	250.2
72.5°	1068.1	658.0	117.5	109.9	105.5	127.3	202.3	234.9	230.6	253.4	251.3
75°	810.3	464.4	107.7	104.4	102.2	129.4	207.7	228.4	219.7	234.9	232.8
77.5°	533.0	305.6	97.9	97.9	99.0	124.0	199.0	217.5	206.7	216.4	215.4
80°	300.2	181.6	88.1	92.5	94.6	118.6	186.0	202.3	191.4	199.0	199.0
82.5°	180.6	129.4	77.2	84.8	87.0	117.5	174.0	188.2	178.4	182.7	177.3
85°	122.9	94.6	60.9	71.8	81.6	113.1	164.2	174.0	156.6	153.4	149.0
87.5°	100.1	74.0	33.7	45.7	60.9	96.8	130.5	131.6	115.3	113.1	112.0
90°	97.9	68.5	23.9	25.0	40.2	67.4	85.9	82.7	77.2	78.3	77.2
92.5°	95.7	65.3	26.1	27.2	40.2	53.3	72.9	71.8	66.3	71.8	70.7
95°	81.6	56.6	27.2	29.4	34.8	32.6	53.3	56.6	52.2	55.5	56.6
97.5°	42.4	30.5	26.1	29.4	26.1	19.6	31.5	35.9	27.2	21.8	23.9
100°	14.1	9.8	26.1	30.5	19.6	14.1	22.8	26.1	16.3	6.5	6.5
102.5°	8.7	8.7	18.5	23.9	14.1	7.6	15.2	18.5	12.0	5.4	5.4
105°	8.7	8.7	7.6	13.1	5.4	4.4	5.4	9.8	6.5	5.4	5.4
107.5°	9.8	8.7	4.4	4.4	4.4	3.3	3.3	4.4	4.4	5.4	5.4
110°	8.7	7.6	4.4	4.4	3.3	3.3	3.3	3.3	4.4	6.5	6.5

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 CATALOG NUMBER: LXF.LXT-PA16-30-727-U-T3-CL

**CANDELA DISTRIBUTION (continued):**

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