

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: P694802

Luminaire Tested: **LXF.LXT-PA16-30-730-U-T2R-CL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P694802  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-30-730-U-T2R-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY  
OPTICS AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3328 lumens  
Efficiency: N/A  
Efficacy: 114.0 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U2 - G1

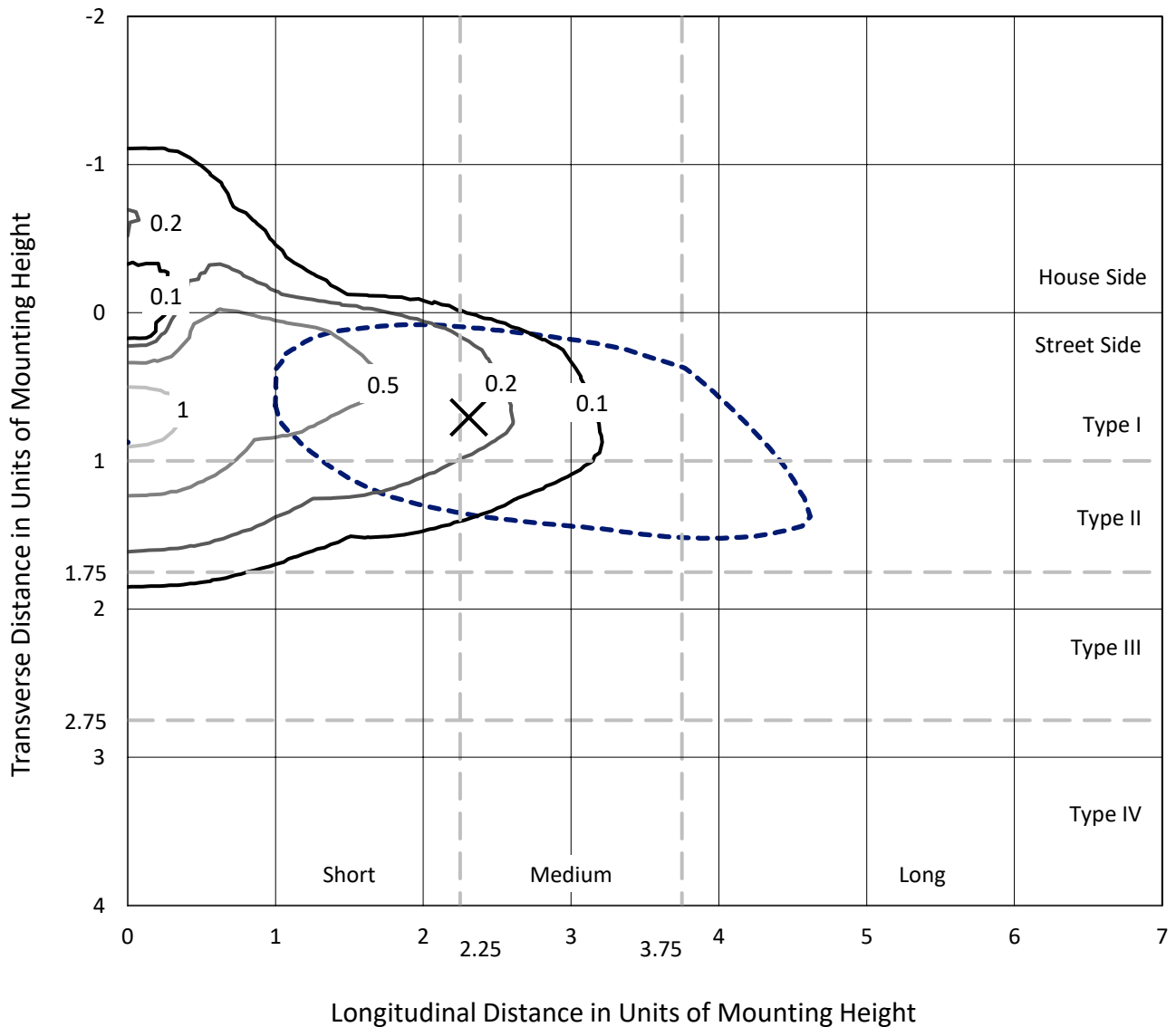
Input Watts (W): 29.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

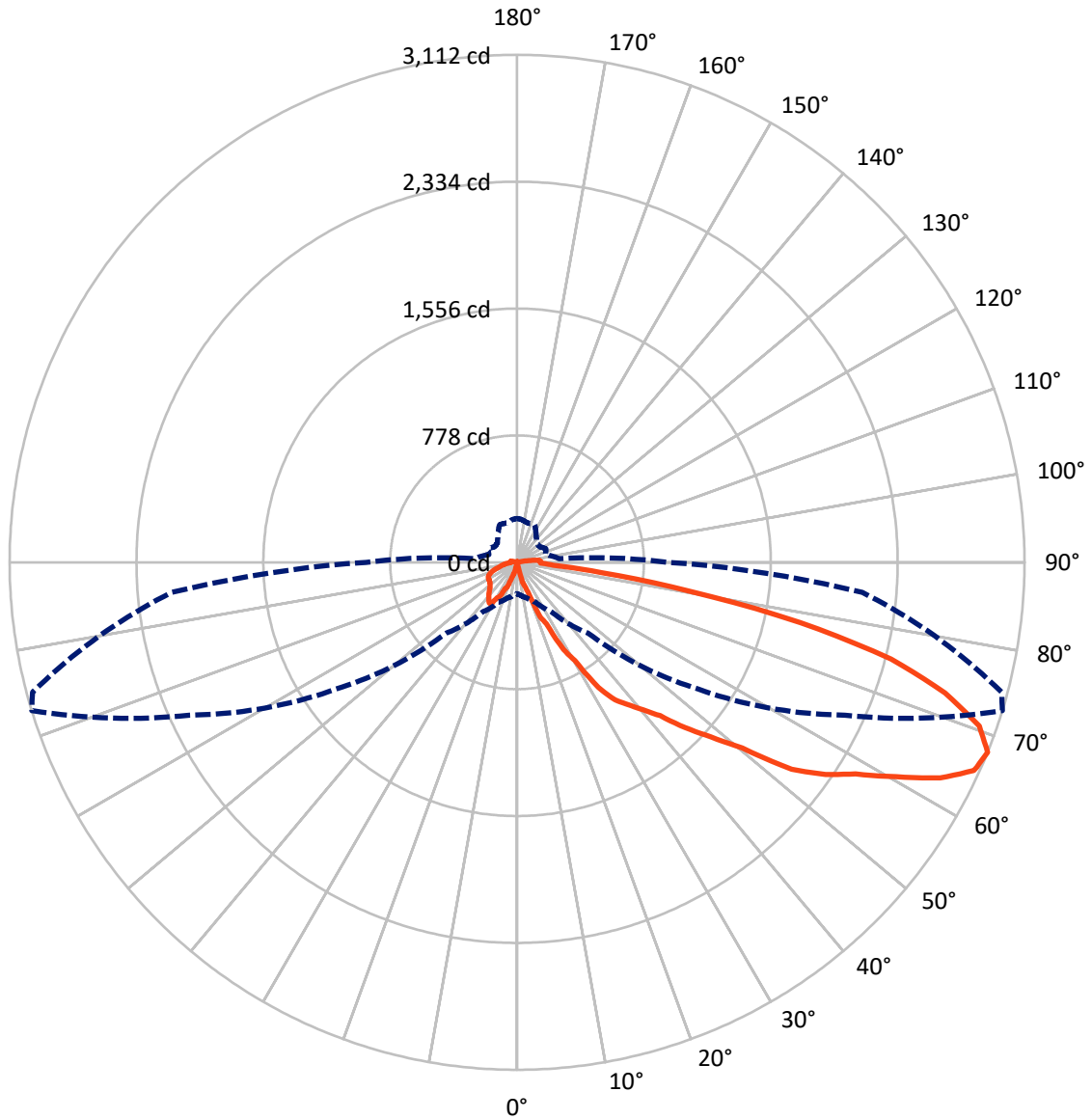
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 73-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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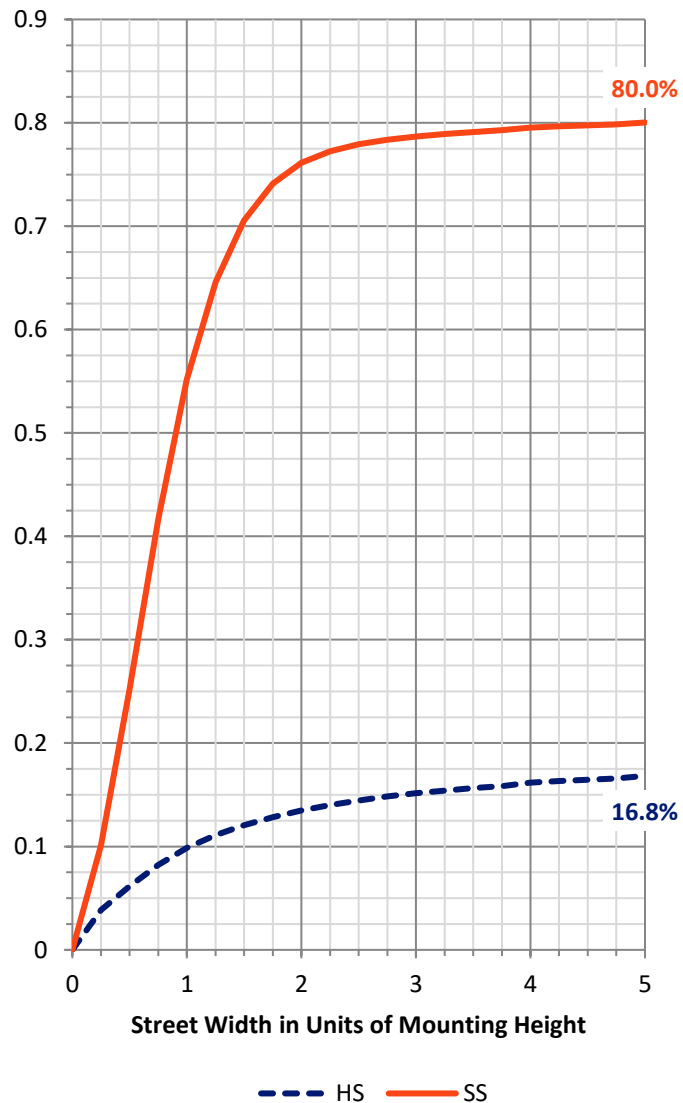
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	588.3	25.0	613.3
	% Fixture	17.7	0.8	18.4
<b>Street Side</b>	Lumens	2683.9	30.8	2714.7
	% Fixture	80.6	0.9	81.6
<b>Total</b>	Lumens	3272.2	55.8	3328.0
	% Fixture	98.3	1.7	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.3	0.0
10°-20°	26.9	0.8
20°-30°	166.6	5.0
30°-40°	419.1	12.6
40°-50°	605.1	18.2
50°-60°	740.0	22.2
60°-70°	729.6	21.9
70°-80°	459.0	13.8
80°-90°	125.5	3.8
90°-100°	36.5	1.1
100°-110°	7.8	0.2
110°-120°	4.0	0.1
120°-130°	3.3	0.1
130°-140°	2.3	0.1
140°-150°	1.7	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3272.2	98.3
0°-180°	3328.0	100.0

**Coefficient of Utilization**

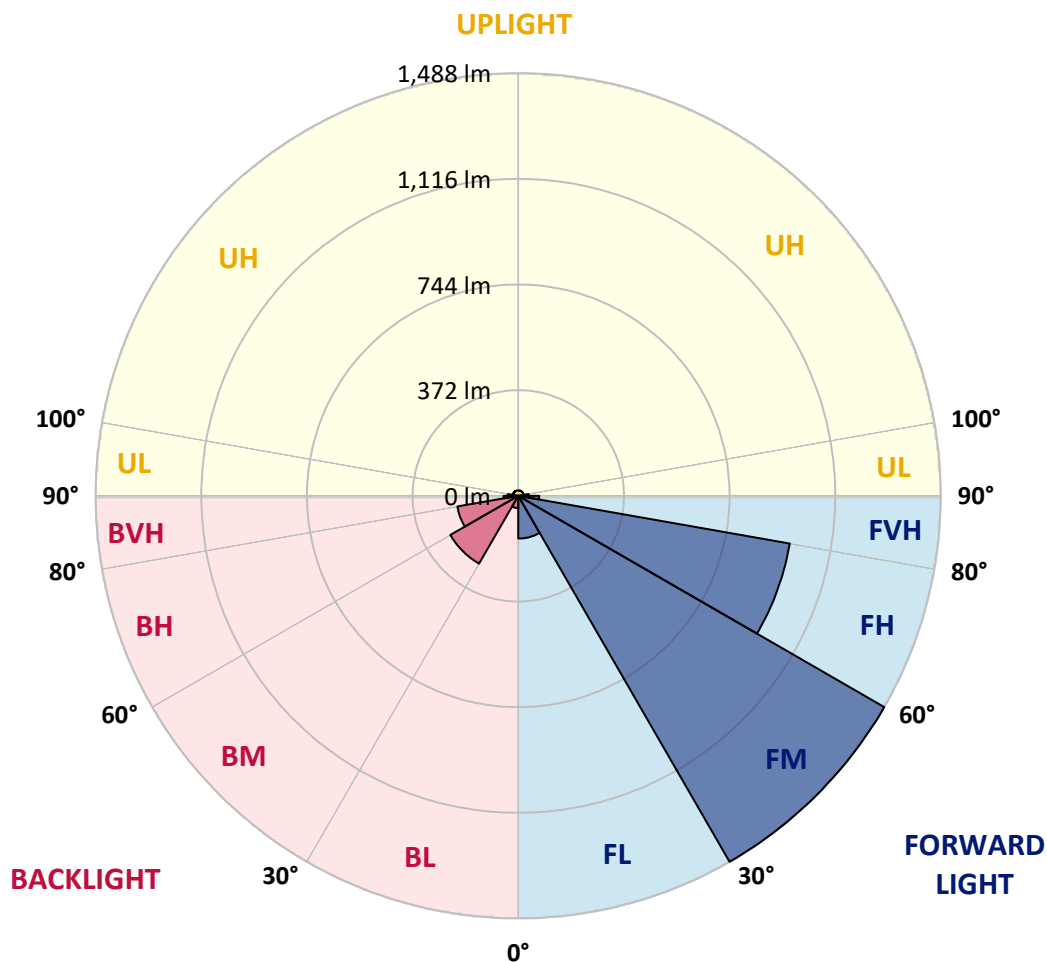


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	150.6	4.5			
FM (30°-60°)	1488.3	44.7			
FH (60°-80°)	971.0	29.2			G1/1800
FVH (80°-90°)	73.9	2.2			G1/100
BL (0°-30°)	43.2	1.3	B0/110		
BM (30°-60°)	275.9	8.3	B1/1000		
BH (60°-80°)	217.6	6.5	B1/500		G1/500
BVH (80°-90°)	51.6	1.5			G1/100
UL (90°-100°)	36.5	1.1		U2/50	
UH (100°-180°)	19.3	0.6		U2/50	

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



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
0°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
2.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	2.4	2.4	2.4
5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	2.4	2.4	2.4
7.5°	4.7	5.9	4.7	4.7	4.7	4.7	4.7	3.5	2.4	2.4	2.4
10°	20.1	18.9	13.0	11.8	7.1	5.9	4.7	3.5	3.5	3.5	3.5
12.5°	158.4	157.2	153.6	138.3	23.6	11.8	7.1	9.5	13.0	15.4	17.7
15°	182.0	184.4	180.8	177.3	171.4	56.7	24.8	137.1	127.6	122.9	94.5
17.5°	328.5	245.8	216.3	211.5	198.5	166.6	151.3	167.8	152.4	147.7	114.6
20°	451.4	449.1	440.8	425.4	238.7	303.7	290.7	197.4	199.7	211.5	225.7
22.5°	504.6	502.3	491.6	475.1	496.3	349.8	329.7	366.4	362.8	352.2	273.0
25°	827.2	816.6	758.7	553.1	554.3	488.1	505.8	471.5	416.0	405.4	317.9
27.5°	897.0	902.9	888.7	807.2	634.6	650.0	555.4	542.4	605.1	622.8	481.0
30°	1199.5	1227.9	1092.0	920.6	832.0	710.2	680.7	744.5	699.6	679.5	525.9
32.5°	1401.6	1388.6	1362.6	1148.7	944.2	850.9	849.7	821.3	915.9	913.5	738.6
35°	1482.0	1471.3	1445.3	1258.6	1086.1	998.6	924.2	1021.1	1036.4	997.4	788.2
37.5°	1542.2	1530.4	1499.7	1298.8	1199.5	1058.9	1089.6	1094.3	1108.5	1100.2	832.0
40°	1545.8	1538.7	1517.4	1355.5	1262.1	1106.1	1180.6	1191.2	1187.7	1209.0	887.5
42.5°	1532.8	1518.6	1505.6	1366.1	1295.2	1142.8	1250.3	1311.8	1285.8	1316.5	952.5
45°	1482.0	1465.4	1459.5	1366.1	1290.5	1167.6	1331.9	1425.2	1445.3	1418.1	1023.4
47.5°	1395.7	1392.1	1394.5	1334.2	1285.8	1196.0	1409.9	1511.5	1598.9	1556.4	1127.4
50°	1308.2	1314.1	1330.7	1297.6	1271.6	1212.5	1509.1	1660.4	1789.2	1731.3	1283.4
52.5°	1170.0	1178.2	1225.5	1238.5	1231.4	1211.3	1585.9	1861.3	2108.3	2027.9	1445.3
55°	1043.5	1048.2	1080.1	1127.4	1154.6	1186.5	1616.7	1949.9	2296.2	2205.2	1550.5
57.5°	899.3	889.9	931.2	999.8	1061.2	1152.2	1648.6	2019.7	2447.5	2397.8	1687.6
60°	728.0	707.9	768.2	832.0	925.3	1081.3	1668.7	2140.2	2669.6	2641.3	1887.3
62.5°	490.4	499.9	560.2	646.4	776.4	962.0	1646.2	2250.1	2910.7	2894.2	2053.9
65°	308.4	321.4	360.4	434.9	567.3	809.5	1551.7	2302.1	3078.5	3050.2	2149.7
67.5°	192.6	200.9	225.7	270.6	372.3	613.3	1355.5	2218.2	3111.6	3075.0	2126.0
70°	159.5	161.9	165.4	176.1	229.3	424.3	1077.8	2000.8	3006.4	3012.4	2027.9
72.5°	143.0	145.4	145.4	144.2	147.7	265.9	768.2	1697.0	2744.1	2744.1	1832.9
75°	131.2	132.4	128.8	127.6	125.3	165.4	469.2	1344.9	2369.5	2324.6	1531.6
77.5°	115.8	118.2	114.6	114.6	113.5	126.5	271.8	1025.8	1775.0	1699.4	1032.9
80°	99.3	99.3	99.3	99.3	100.5	100.5	170.2	704.3	1069.5	985.6	557.8
82.5°	79.2	78.0	80.4	85.1	82.7	76.8	131.2	410.1	518.8	470.3	275.4
85°	30.7	37.8	43.7	53.2	55.5	53.2	100.5	202.1	221.0	236.4	170.2
87.5°	17.7	17.7	14.2	14.2	15.4	21.3	62.6	121.7	143.0	160.7	150.1
90°	18.9	18.9	14.2	13.0	13.0	17.7	54.4	111.1	145.4	161.9	152.4
92.5°	20.1	20.1	14.2	13.0	13.0	14.2	44.9	99.3	144.2	165.4	148.9
95°	17.7	18.9	13.0	11.8	13.0	13.0	33.1	79.2	133.5	135.9	139.4
97.5°	11.8	13.0	8.3	9.5	11.8	10.6	17.7	46.1	70.9	54.4	65.0
100°	7.1	8.3	5.9	7.1	8.3	8.3	9.5	20.1	17.7	11.8	11.8
102.5°	7.1	7.1	4.7	5.9	5.9	4.7	4.7	8.3	7.1	7.1	11.8
105°	7.1	7.1	4.7	4.7	3.5	3.5	3.5	5.9	5.9	7.1	11.8
107.5°	4.7	5.9	3.5	3.5	3.5	3.5	2.4	3.5	5.9	5.9	13.0
110°	3.5	3.5	2.4	2.4	2.4	3.5	2.4	3.5	4.7	5.9	9.5

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
112.5°	2.4	3.5	2.4	2.4	2.4	2.4	2.4	3.5	4.7	4.7	5.9
115°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	3.5	3.5	4.7	7.1
117.5°	3.5	3.5	2.4	2.4	1.2	2.4	2.4	2.4	3.5	4.7	7.1
120°	3.5	3.5	2.4	2.4	1.2	1.2	2.4	2.4	4.7	4.7	7.1
122.5°	3.5	3.5	2.4	1.2	1.2	1.2	2.4	2.4	3.5	4.7	7.1
125°	3.5	3.5	2.4	1.2	1.2	1.2	2.4	2.4	3.5	4.7	5.9
127.5°	3.5	3.5	2.4	1.2	1.2	1.2	2.4	2.4	3.5	3.5	5.9
130°	3.5	3.5	2.4	1.2	1.2	1.2	2.4	2.4	3.5	3.5	5.9
132.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	3.5	4.7
135°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	3.5
137.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
140°	3.5	3.5	3.5	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
142.5°	3.5	3.5	3.5	3.5	3.5	2.4	2.4	2.4	2.4	2.4	2.4
145°	4.7	4.7	4.7	3.5	3.5	2.4	2.4	2.4	2.4	2.4	2.4
147.5°	4.7	4.7	4.7	3.5	3.5	2.4	2.4	2.4	2.4	2.4	2.4
150°	4.7	5.9	4.7	3.5	2.4	2.4	2.4	2.4	2.4	2.4	2.4
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°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
2.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	3.5	3.5	3.5
5°	2.4	2.4	2.4	1.2	1.2	1.2	1.2	2.4	2.4	2.4	2.4
7.5°	2.4	2.4	2.4	1.2	1.2	1.2	1.2	2.4	2.4	2.4	2.4
10°	3.5	2.4	2.4	1.2	1.2	1.2	1.2	1.2	2.4	2.4	1.2
12.5°	17.7	17.7	13.0	5.9	2.4	1.2	1.2	1.2	3.5	3.5	3.5
15°	86.3	78.0	69.7	61.5	16.5	2.4	2.4	10.6	40.2	56.7	59.1
17.5°	100.5	91.0	81.5	74.5	66.2	24.8	27.2	70.9	73.3	74.5	73.3
20°	193.8	172.5	112.3	85.1	73.3	76.8	67.4	75.6	81.5	83.9	83.9
22.5°	230.4	198.5	170.2	148.9	87.5	105.2	98.1	87.5	135.9	139.4	140.6
25°	267.1	225.7	183.2	158.4	152.4	108.7	115.8	133.5	144.2	146.5	145.4
27.5°	390.0	321.4	256.4	171.4	161.9	135.9	145.4	140.6	153.6	187.9	191.4
30°	419.5	334.4	261.2	208.0	170.2	159.5	150.1	183.2	198.5	198.5	199.7
32.5°	581.4	446.7	321.4	208.0	187.9	160.7	179.6	191.4	200.9	215.1	210.4
35°	608.6	451.4	317.9	241.1	187.9	169.0	185.5	197.4	241.1	245.8	244.6
37.5°	631.1	446.7	300.2	234.0	203.3	179.6	189.1	225.7	243.4	242.3	239.9
40°	655.9	439.6	282.4	229.3	202.1	180.8	202.1	226.9	237.5	231.6	225.7
42.5°	684.2	429.0	267.1	218.6	197.4	182.0	203.3	221.0	219.8	216.3	212.7
45°	720.9	417.2	249.4	209.2	195.0	179.6	199.7	205.6	213.9	211.5	209.2
47.5°	775.2	405.4	234.0	200.9	192.6	176.1	202.1	209.2	216.3	210.4	209.2
50°	855.6	388.8	221.0	198.5	191.4	186.7	185.5	215.1	221.0	206.8	204.4
52.5°	910.0	369.9	213.9	196.2	187.9	182.0	197.4	212.7	218.6	202.1	200.9
55°	946.6	342.7	208.0	196.2	185.5	171.4	213.9	217.4	217.4	198.5	196.2
57.5°	986.8	323.8	204.4	199.7	184.4	159.5	223.4	222.2	217.4	192.6	193.8
60°	1044.7	312.0	200.9	203.3	184.4	163.1	219.8	232.8	217.4	196.2	203.3
62.5°	1077.8	300.2	198.5	204.4	182.0	163.1	212.7	248.2	235.2	219.8	221.0
65°	1031.7	284.8	191.4	203.3	178.4	166.6	205.6	254.1	251.7	244.6	245.8
67.5°	926.5	258.8	178.4	195.0	166.6	169.0	202.1	254.1	249.4	264.7	268.3
70°	809.5	228.1	159.5	180.8	158.4	166.6	210.4	245.8	245.8	274.2	280.1
72.5°	685.4	186.7	138.3	165.4	158.4	161.9	219.8	236.4	236.4	274.2	273.0
75°	562.5	148.9	115.8	141.8	146.5	161.9	218.6	225.7	219.8	250.5	244.6
77.5°	411.3	118.2	99.3	119.4	132.4	161.9	211.5	210.4	200.9	215.1	212.7
80°	252.9	93.4	83.9	101.6	111.1	154.8	199.7	191.4	174.9	182.0	179.6
82.5°	146.5	69.7	70.9	86.3	88.6	141.8	180.8	166.6	148.9	152.4	148.9
85°	94.5	44.9	55.5	66.2	69.7	115.8	154.8	140.6	120.5	156.0	148.9
87.5°	73.3	26.0	37.8	43.7	42.5	50.8	88.6	83.9	82.7	67.4	65.0
90°	68.5	22.5	37.8	37.8	30.7	24.8	34.3	35.5	29.5	31.9	28.4
92.5°	61.5	22.5	40.2	37.8	27.2	20.1	28.4	28.4	22.5	21.3	20.1
95°	50.8	20.1	42.5	39.0	24.8	17.7	23.6	22.5	17.7	16.5	15.4
97.5°	27.2	13.0	40.2	35.5	22.5	16.5	21.3	18.9	13.0	11.8	10.6
100°	9.5	8.3	39.0	30.7	18.9	13.0	15.4	14.2	8.3	7.1	5.9
102.5°	8.3	7.1	22.5	22.5	11.8	7.1	9.5	9.5	7.1	5.9	5.9
105°	9.5	7.1	8.3	11.8	5.9	3.5	4.7	5.9	5.9	7.1	7.1
107.5°	9.5	7.1	5.9	5.9	4.7	3.5	3.5	3.5	5.9	7.1	7.1
110°	8.3	7.1	4.7	5.9	4.7	3.5	3.5	3.5	5.9	8.3	8.3

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 CATALOG NUMBER: LXF.LXT-PA16-30-730-U-T2R-CL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	5.9	5.9	4.7	4.7	3.5	3.5	3.5	3.5	5.9	8.3	9.5
115°	5.9	5.9	3.5	3.5	3.5	3.5	2.4	3.5	5.9	9.5	10.6
117.5°	7.1	5.9	3.5	3.5	2.4	2.4	2.4	3.5	7.1	10.6	11.8
120°	7.1	5.9	3.5	3.5	2.4	2.4	2.4	3.5	7.1	11.8	11.8
122.5°	7.1	5.9	3.5	3.5	2.4	2.4	2.4	3.5	7.1	11.8	11.8
125°	5.9	5.9	3.5	3.5	2.4	2.4	2.4	3.5	7.1	11.8	11.8
127.5°	5.9	4.7	3.5	2.4	2.4	2.4	2.4	3.5	7.1	10.6	11.8
130°	4.7	4.7	3.5	2.4	2.4	2.4	2.4	3.5	7.1	10.6	10.6
132.5°	4.7	4.7	3.5	2.4	2.4	2.4	2.4	3.5	5.9	9.5	9.5
135°	3.5	3.5	2.4	2.4	2.4	2.4	2.4	3.5	4.7	7.1	7.1
137.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	3.5	4.7	4.7
140°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	3.5	3.5	3.5
142.5°	2.4	2.4	2.4	2.4	2.4	1.2	2.4	2.4	3.5	3.5	3.5
145°	2.4	2.4	2.4	2.4	1.2	1.2	2.4	2.4	3.5	3.5	2.4
147.5°	2.4	2.4	2.4	2.4	1.2	1.2	1.2	2.4	3.5	3.5	2.4
150°	2.4	2.4	2.4	1.2	1.2	1.2	1.2	2.4	3.5	3.5	2.4
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)