

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: P694889

Luminaire Tested: **LXF.LXT-PA16-30-750-U-SL3-TL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P694889  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-30)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-30-750-U-SL3-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3412.1 lumens  
Efficiency: N/A  
Efficacy: 116.9 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

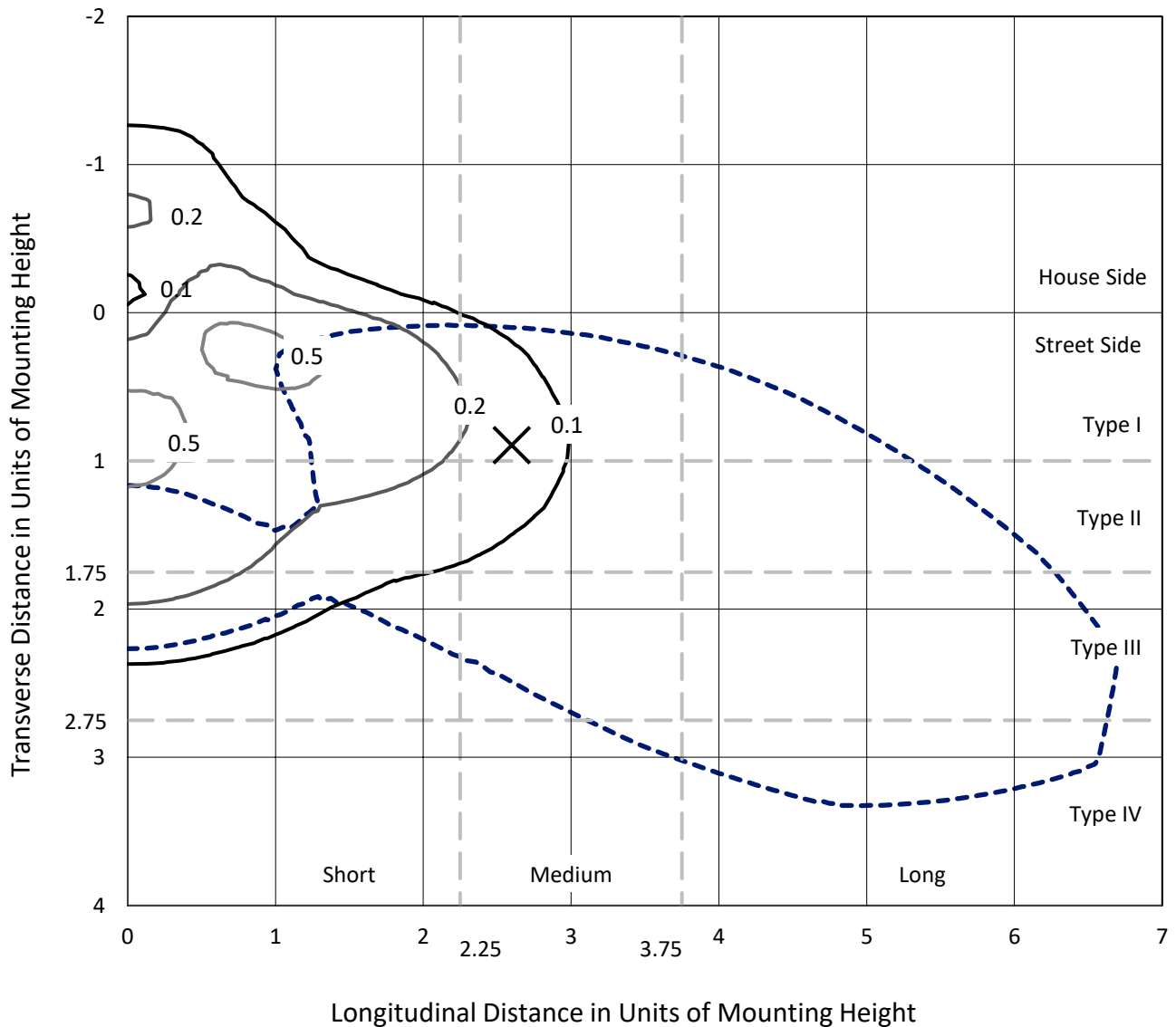
Input Watts (W): 29.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

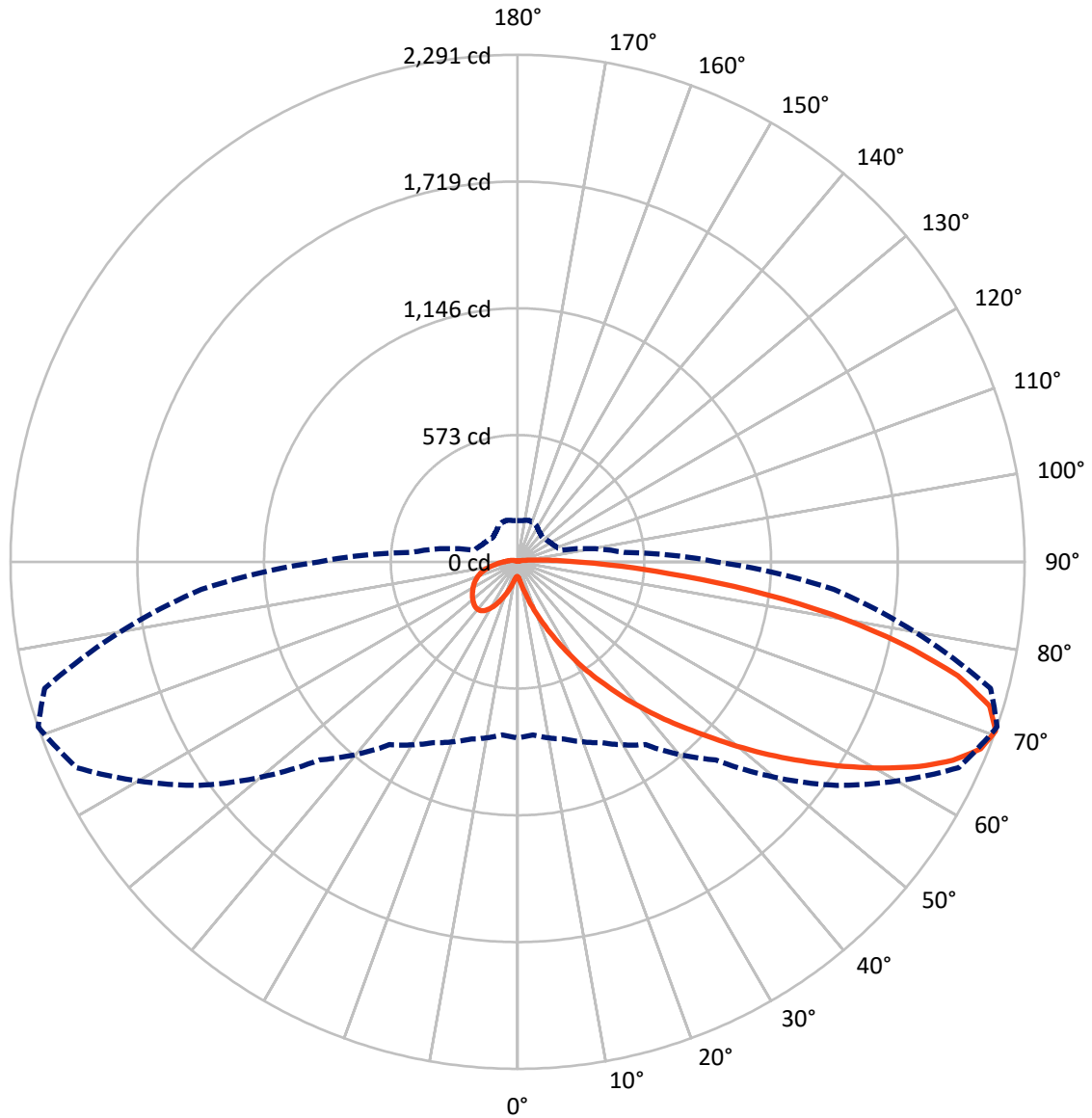
✕ Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 71-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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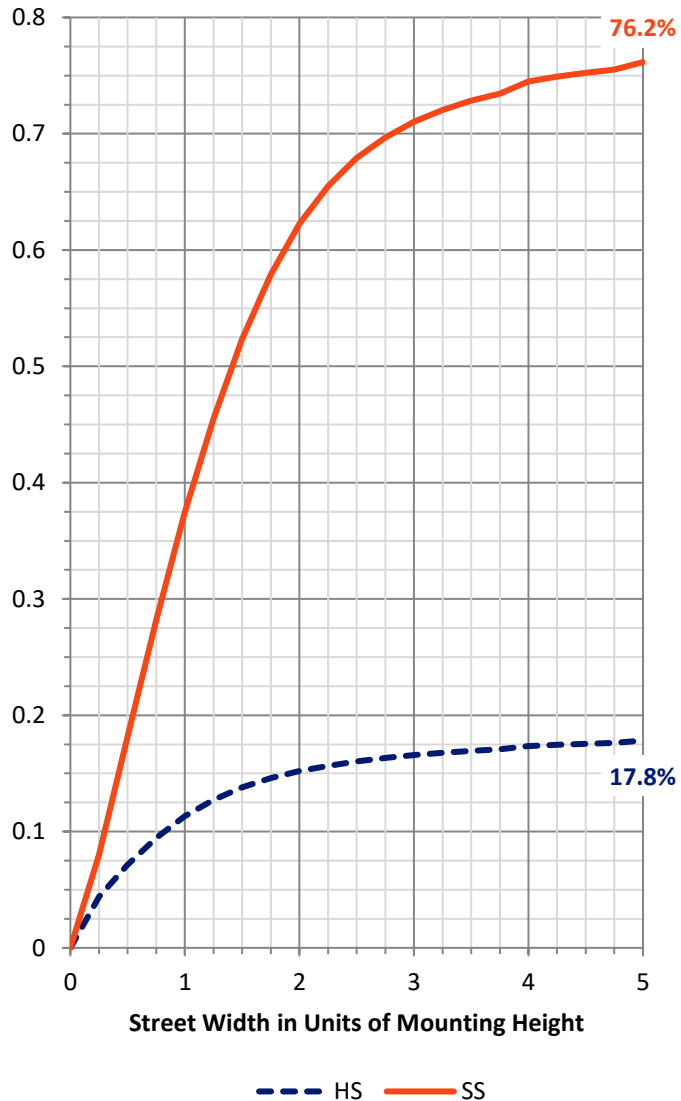
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	637.4	54.8	692.2
	% Fixture	18.7	1.6	20.3
<b>Street Side</b>	Lumens	2660.2	59.7	2719.9
	% Fixture	78.0	1.7	79.7
<b>Total</b>	Lumens	3297.6	114.4	3412.1
	% Fixture	96.6	3.4	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7.7	0.2
10°-20°	39.8	1.2
20°-30°	122.7	3.6
30°-40°	266.2	7.8
40°-50°	444.6	13.0
50°-60°	658.6	19.3
60°-70°	828.9	24.3
70°-80°	665.9	19.5
80°-90°	263.2	7.7
90°-100°	63.4	1.9
100°-110°	24.9	0.7
110°-120°	12.4	0.4
120°-130°	7.1	0.2
130°-140°	4.2	0.1
140°-150°	2.1	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3297.6	96.6
0°-180°	3412.1	100.0

**Coefficient of Utilization**

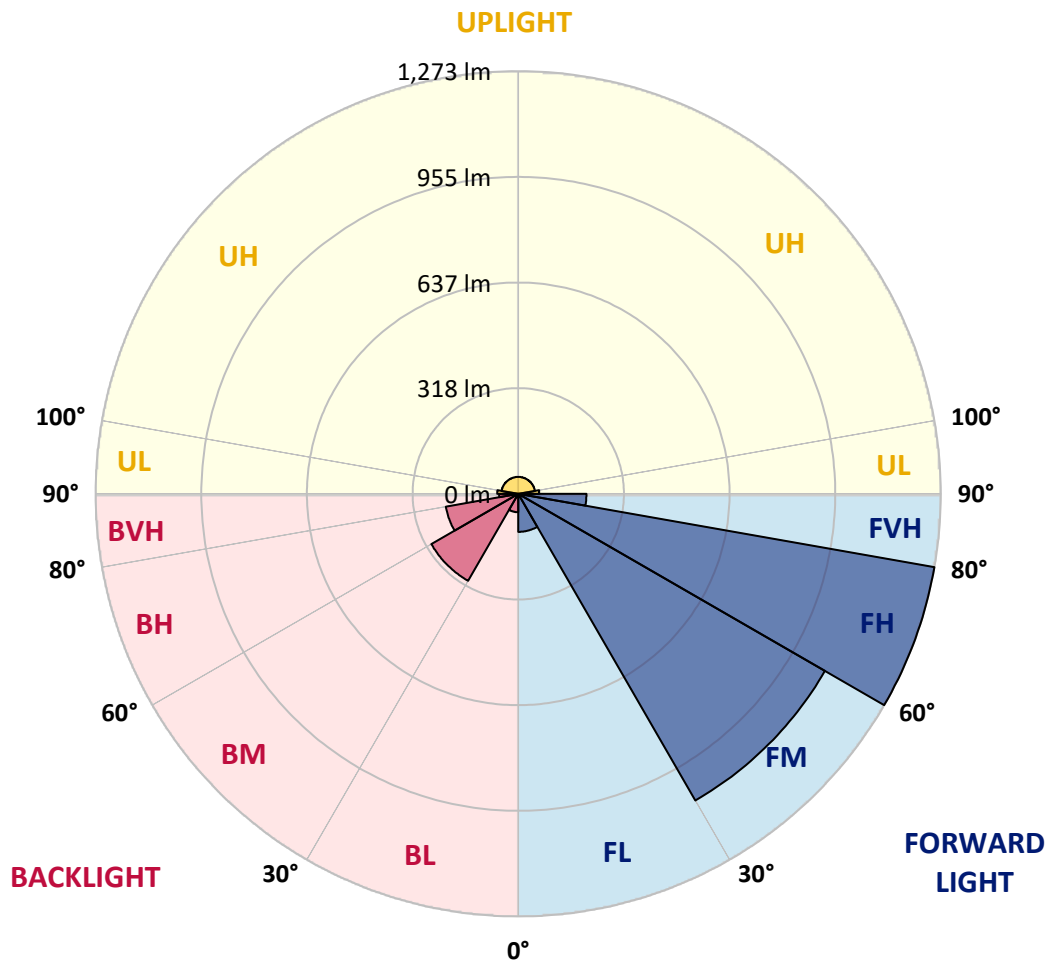


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	114.7	3.4			
FM (30°-60°)	1066.9	31.3			
FH (60°-80°)	1273.2	37.3			G1/1800
FVH (80°-90°)	205.5	6.0			G2/225
BL (0°-30°)	55.5	1.6	B0/110		
BM (30°-60°)	302.6	8.9	B1/1000		
BH (60°-80°)	221.6	6.5	B1/500		G1/500
BVH (80°-90°)	57.7	1.7			G1/100
UL (90°-100°)	63.4	1.9		U3/500	
UH (100°-180°)	51.0	1.5		U3/500	

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



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
0°	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
2.5°	75.1	75.1	75.1	75.1	75.1	73.8	72.5	72.5	71.2	71.2	69.9
5°	89.3	89.3	88.0	88.0	86.7	85.4	84.1	81.6	80.3	79.0	76.4
7.5°	106.2	104.9	103.6	103.6	103.6	101.0	98.4	95.8	93.2	90.6	86.7
10°	126.9	125.6	125.6	124.3	123.0	121.7	119.1	115.2	111.3	110.0	103.6
12.5°	151.5	150.2	151.5	150.2	146.3	146.3	145.0	139.8	137.2	134.6	125.6
15°	182.5	182.5	182.5	178.7	177.4	174.8	176.1	172.2	169.6	167.0	155.4
17.5°	221.4	221.4	218.8	214.9	209.7	209.7	211.0	211.0	212.3	204.5	189.0
20°	265.4	269.3	261.5	253.7	247.3	248.6	251.2	258.9	258.9	251.2	233.0
22.5°	322.4	318.5	314.6	299.1	288.7	286.1	296.5	309.4	310.7	309.4	280.9
25°	381.9	380.6	367.7	350.8	332.7	330.1	347.0	367.7	372.8	370.3	336.6
27.5°	445.3	445.3	432.4	402.6	376.7	372.8	393.6	429.8	441.5	442.8	396.1
30°	528.2	520.4	502.3	462.2	428.5	416.9	446.6	498.4	519.1	520.4	460.9
32.5°	599.4	599.4	573.5	528.2	479.0	459.6	495.8	572.2	599.4	596.8	524.3
35°	679.7	673.2	644.7	589.0	528.2	503.6	547.6	646.0	681.0	681.0	585.2
37.5°	753.5	745.7	719.8	653.8	578.7	546.3	602.0	719.8	775.5	775.5	639.5
40°	826.0	824.7	792.3	717.2	631.8	587.7	655.1	803.9	870.0	864.8	696.5
42.5°	907.5	902.3	863.5	783.2	683.5	633.1	710.7	892.0	972.2	964.5	750.9
45°	994.3	982.6	938.6	851.8	731.4	679.7	769.0	978.7	1075.8	1078.4	811.7
47.5°	1073.2	1070.6	1025.3	923.0	793.6	728.9	832.4	1087.5	1192.3	1185.9	868.7
50°	1163.8	1158.7	1104.3	993.0	850.6	785.8	903.6	1194.9	1323.1	1316.6	943.8
52.5°	1253.2	1242.8	1185.9	1066.7	916.6	848.0	983.9	1312.7	1457.7	1443.5	1018.8
55°	1329.6	1325.7	1253.2	1140.5	989.1	914.0	1079.7	1442.2	1597.5	1591.1	1100.4
57.5°	1391.7	1383.9	1316.6	1205.3	1055.1	1003.3	1191.0	1571.6	1743.8	1728.3	1187.1
60°	1411.1	1403.3	1336.0	1249.3	1117.2	1095.2	1316.6	1716.6	1892.7	1872.0	1273.9
62.5°	1369.7	1361.9	1308.8	1253.2	1162.5	1183.3	1455.1	1870.7	2037.7	2017.0	1358.0
65°	1235.0	1231.2	1210.4	1200.1	1170.3	1251.9	1602.7	2006.6	2162.0	2127.0	1426.6
67.5°	1033.1	1038.3	1040.9	1079.7	1122.4	1290.7	1706.3	2130.9	2256.5	2207.3	1450.0
70°	794.9	785.8	829.8	902.3	1008.5	1266.1	1761.9	2199.5	2291.4	2212.5	1434.4
72.5°	565.7	567.0	616.2	712.0	863.5	1185.9	1751.6	2174.9	2230.6	2138.7	1360.6
75°	391.0	388.4	425.9	520.4	688.7	1035.7	1626.0	2059.7	2054.5	1962.6	1202.7
77.5°	262.8	270.6	297.8	369.0	523.0	863.5	1431.8	1789.1	1771.0	1655.8	1013.7
80°	185.1	182.5	211.0	264.1	365.1	670.6	1161.3	1461.6	1439.6	1301.1	791.0
82.5°	124.3	130.8	148.9	182.5	261.5	494.5	880.3	1082.3	1057.7	945.1	554.1
85°	81.6	84.1	101.0	128.2	181.2	340.5	602.0	730.2	686.1	616.2	362.5
87.5°	51.8	54.4	67.3	88.0	125.6	229.1	400.0	450.5	416.9	388.4	220.1
90°	31.1	33.7	44.0	60.8	86.7	154.1	242.1	261.5	233.0	212.3	133.3
92.5°	22.0	23.3	31.1	44.0	63.4	103.6	150.2	150.2	137.2	117.8	84.1
95°	15.5	16.8	23.3	33.7	47.9	71.2	94.5	89.3	79.0	73.8	57.0
97.5°	12.9	12.9	19.4	27.2	38.8	54.4	62.1	57.0	53.1	49.2	42.7
100°	10.4	11.7	16.8	23.3	32.4	41.4	45.3	41.4	37.5	36.2	32.4
102.5°	9.1	10.4	14.2	20.7	27.2	33.7	35.0	31.1	29.8	27.2	24.6
105°	7.8	9.1	11.7	18.1	23.3	28.5	28.5	25.9	23.3	22.0	19.4
107.5°	7.8	7.8	10.4	15.5	20.7	23.3	24.6	20.7	18.1	16.8	15.5
110°	6.5	6.5	9.1	12.9	18.1	20.7	20.7	16.8	14.2	12.9	11.7

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
112.5°	6.5	6.5	9.1	11.7	15.5	18.1	16.8	14.2	11.7	10.4	10.4
115°	6.5	6.5	7.8	10.4	14.2	15.5	14.2	11.7	10.4	9.1	9.1
117.5°	5.2	6.5	7.8	10.4	12.9	14.2	12.9	10.4	9.1	7.8	7.8
120°	5.2	5.2	6.5	9.1	10.4	11.7	11.7	9.1	7.8	6.5	7.8
122.5°	5.2	5.2	6.5	7.8	10.4	10.4	10.4	7.8	6.5	6.5	6.5
125°	5.2	5.2	6.5	7.8	9.1	9.1	9.1	6.5	6.5	5.2	6.5
127.5°	5.2	5.2	5.2	6.5	7.8	9.1	7.8	6.5	5.2	5.2	6.5
130°	5.2	5.2	5.2	6.5	7.8	7.8	6.5	5.2	5.2	5.2	5.2
132.5°	5.2	5.2	5.2	6.5	6.5	6.5	6.5	5.2	5.2	5.2	5.2
135°	5.2	5.2	5.2	5.2	6.5	6.5	5.2	5.2	3.9	3.9	5.2
137.5°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	3.9	3.9	3.9	5.2
140°	5.2	3.9	3.9	5.2	5.2	5.2	3.9	3.9	3.9	3.9	3.9
142.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	2.6	3.9	3.9	3.9
145°	3.9	3.9	3.9	3.9	3.9	3.9	2.6	2.6	2.6	2.6	3.9
147.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
150°	2.6	2.6	2.6	2.6	2.6	2.6	1.3	2.6	2.6	2.6	2.6
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°	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
2.5°	68.6	68.6	67.3	66.0	64.7	63.4	63.4	63.4	63.4	62.1	62.1
5°	73.8	72.5	69.9	67.3	64.7	62.1	60.8	59.6	58.3	58.3	57.0
7.5°	84.1	81.6	76.4	71.2	67.3	63.4	60.8	58.3	57.0	55.7	55.7
10°	99.7	95.8	86.7	79.0	72.5	66.0	62.1	59.6	58.3	57.0	57.0
12.5°	119.1	113.9	101.0	89.3	79.0	71.2	67.3	63.4	62.1	60.8	60.8
15°	147.6	137.2	120.4	103.6	89.3	79.0	73.8	72.5	71.2	71.2	71.2
17.5°	178.7	167.0	141.1	117.8	99.7	89.3	84.1	82.9	84.1	84.1	84.1
20°	216.2	199.4	164.4	134.6	112.6	102.3	98.4	97.1	99.7	101.0	102.3
22.5°	260.2	234.3	187.7	151.5	128.2	116.5	111.3	112.6	116.5	120.4	120.4
25°	309.4	277.0	213.6	168.3	143.7	130.8	126.9	132.0	137.2	142.4	143.7
27.5°	357.3	315.9	239.5	186.4	159.2	143.7	143.7	148.9	161.8	167.0	169.6
30°	407.8	352.1	260.2	204.5	174.8	157.9	159.2	170.9	185.1	192.9	195.5
32.5°	453.1	385.8	277.0	220.1	187.7	172.2	173.5	189.0	208.4	218.8	220.1
35°	498.4	410.4	291.3	234.3	199.4	182.5	187.7	208.4	229.1	240.8	242.1
37.5°	532.1	429.8	297.8	243.4	209.7	190.3	198.1	224.0	247.3	257.6	258.9
40°	563.2	441.5	300.3	249.9	216.2	198.1	207.1	236.9	260.2	270.6	270.6
42.5°	586.5	445.3	299.1	252.4	221.4	202.0	213.6	246.0	269.3	277.0	278.3
45°	611.1	449.2	293.9	252.4	222.7	204.5	216.2	249.9	273.2	278.3	278.3
47.5°	636.9	451.8	287.4	249.9	221.4	204.5	218.8	252.4	273.2	275.7	275.7
50°	673.2	458.3	279.6	244.7	218.8	203.3	218.8	252.4	270.6	268.0	268.0
52.5°	706.9	467.4	271.9	239.5	214.9	200.7	217.5	251.2	265.4	258.9	258.9
55°	748.3	473.8	262.8	231.7	209.7	196.8	213.6	246.0	257.6	249.9	248.6
57.5°	794.9	486.8	255.0	222.7	203.3	192.9	209.7	240.8	249.9	238.2	236.9
60°	842.8	497.1	246.0	214.9	196.8	186.4	203.3	233.0	239.5	227.8	226.6
62.5°	879.0	506.2	236.9	207.1	190.3	179.9	196.8	224.0	229.1	217.5	216.2
65°	910.1	510.1	226.6	198.1	182.5	173.5	189.0	213.6	217.5	207.1	205.8
67.5°	917.9	502.3	213.6	187.7	173.5	165.7	178.7	202.0	207.1	198.1	195.5
70°	898.5	481.6	202.0	178.7	165.7	156.6	168.3	189.0	194.2	186.4	186.4
72.5°	840.2	446.6	187.7	167.0	155.4	146.3	156.6	174.8	181.2	177.4	174.8
75°	749.6	393.6	170.9	155.4	143.7	135.9	143.7	160.5	167.0	165.7	165.7
77.5°	620.1	335.3	152.8	139.8	132.0	124.3	132.0	145.0	152.8	154.1	152.8
80°	477.7	265.4	132.0	124.3	119.1	112.6	119.1	130.8	137.2	139.8	138.5
82.5°	344.4	202.0	111.3	108.7	104.9	102.3	104.9	113.9	123.0	124.3	124.3
85°	238.2	146.3	93.2	93.2	90.6	89.3	91.9	98.4	104.9	107.5	107.5
87.5°	154.1	104.9	75.1	77.7	79.0	77.7	79.0	81.6	88.0	90.6	89.3
90°	101.0	75.1	62.1	64.7	67.3	67.3	66.0	67.3	73.8	75.1	75.1
92.5°	67.3	57.0	53.1	54.4	57.0	58.3	57.0	57.0	60.8	62.1	60.8
95°	50.5	46.6	45.3	46.6	49.2	49.2	49.2	47.9	50.5	51.8	50.5
97.5°	38.8	37.5	38.8	40.1	42.7	42.7	42.7	41.4	42.7	42.7	41.4
100°	31.1	31.1	33.7	35.0	36.2	36.2	36.2	36.2	36.2	33.7	33.7
102.5°	24.6	25.9	28.5	31.1	31.1	32.4	31.1	31.1	29.8	28.5	27.2
105°	20.7	20.7	24.6	25.9	27.2	27.2	27.2	25.9	24.6	22.0	22.0
107.5°	15.5	16.8	20.7	22.0	23.3	23.3	23.3	22.0	20.7	18.1	18.1
110°	12.9	14.2	16.8	19.4	20.7	20.7	20.7	19.4	16.8	14.2	14.2

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CATALOG NUMBER: LXF.LXT-PA16-30-750-U-SL3-TL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	11.7	11.7	14.2	16.8	16.8	18.1	18.1	16.8	14.2	11.7	12.9
115°	9.1	10.4	12.9	14.2	15.5	15.5	15.5	14.2	11.7	10.4	10.4
117.5°	9.1	9.1	11.7	12.9	12.9	14.2	12.9	11.7	10.4	9.1	9.1
120°	7.8	9.1	10.4	11.7	11.7	11.7	11.7	10.4	9.1	9.1	9.1
122.5°	7.8	7.8	9.1	10.4	10.4	10.4	10.4	9.1	7.8	7.8	7.8
125°	6.5	7.8	7.8	9.1	9.1	9.1	9.1	7.8	7.8	7.8	7.8
127.5°	6.5	6.5	7.8	7.8	7.8	7.8	7.8	7.8	6.5	6.5	6.5
130°	6.5	6.5	6.5	7.8	7.8	7.8	7.8	6.5	6.5	6.5	6.5
132.5°	5.2	5.2	6.5	6.5	6.5	6.5	6.5	6.5	5.2	6.5	6.5
135°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
137.5°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
140°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	5.2	5.2
142.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
145°	3.9	3.9	3.9	2.6	2.6	2.6	3.9	3.9	3.9	3.9	3.9
147.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	3.9	3.9	3.9
150°	2.6	2.6	2.6	2.6	1.3	2.6	2.6	2.6	2.6	2.6	2.6
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)