

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: P694888

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

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P694888  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-29)  
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-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS AND FROSTED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3343 lumens  
Efficiency: N/A  
Efficacy: 114.5 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 - G3

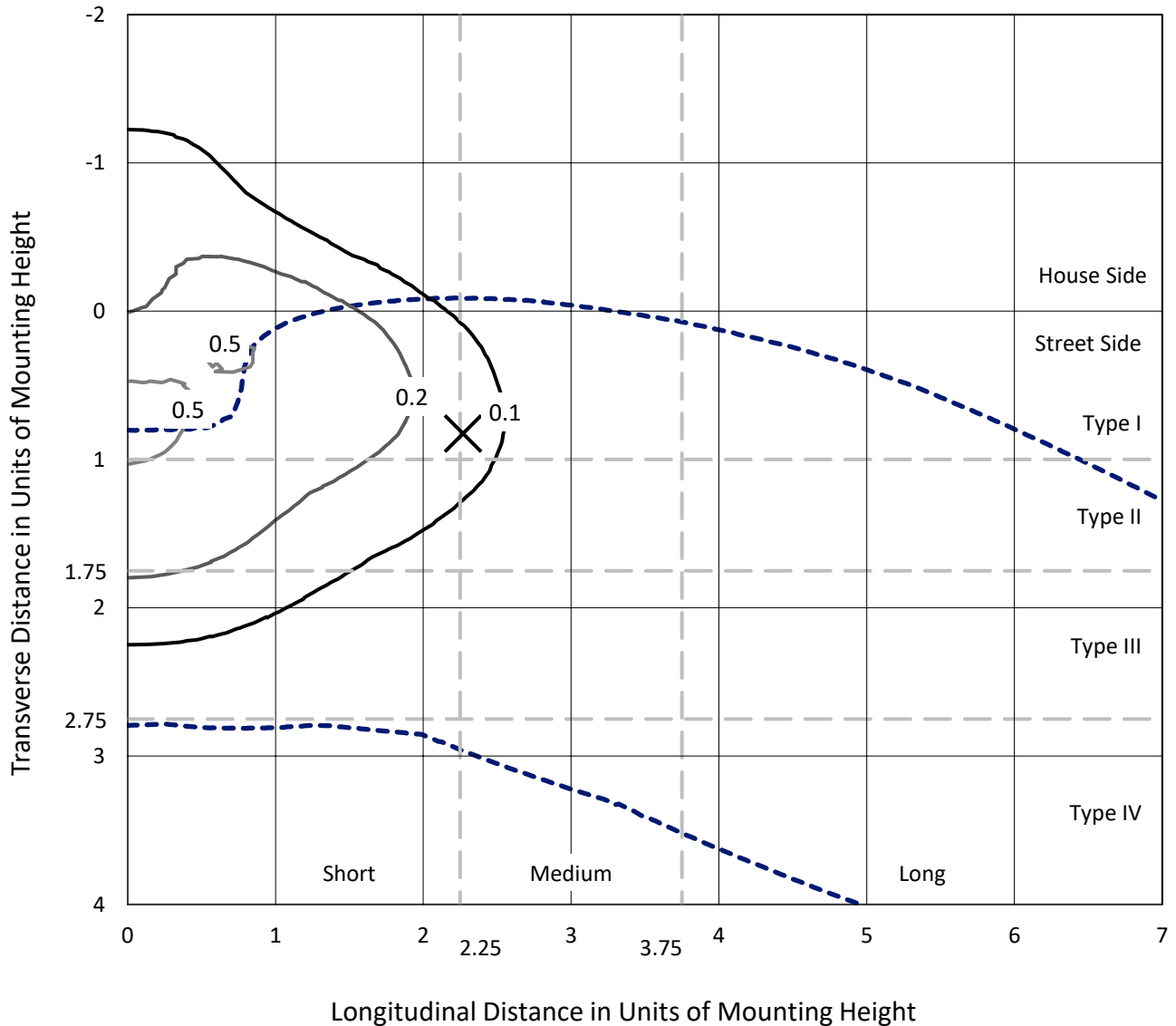
Input Watts (W): 29.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

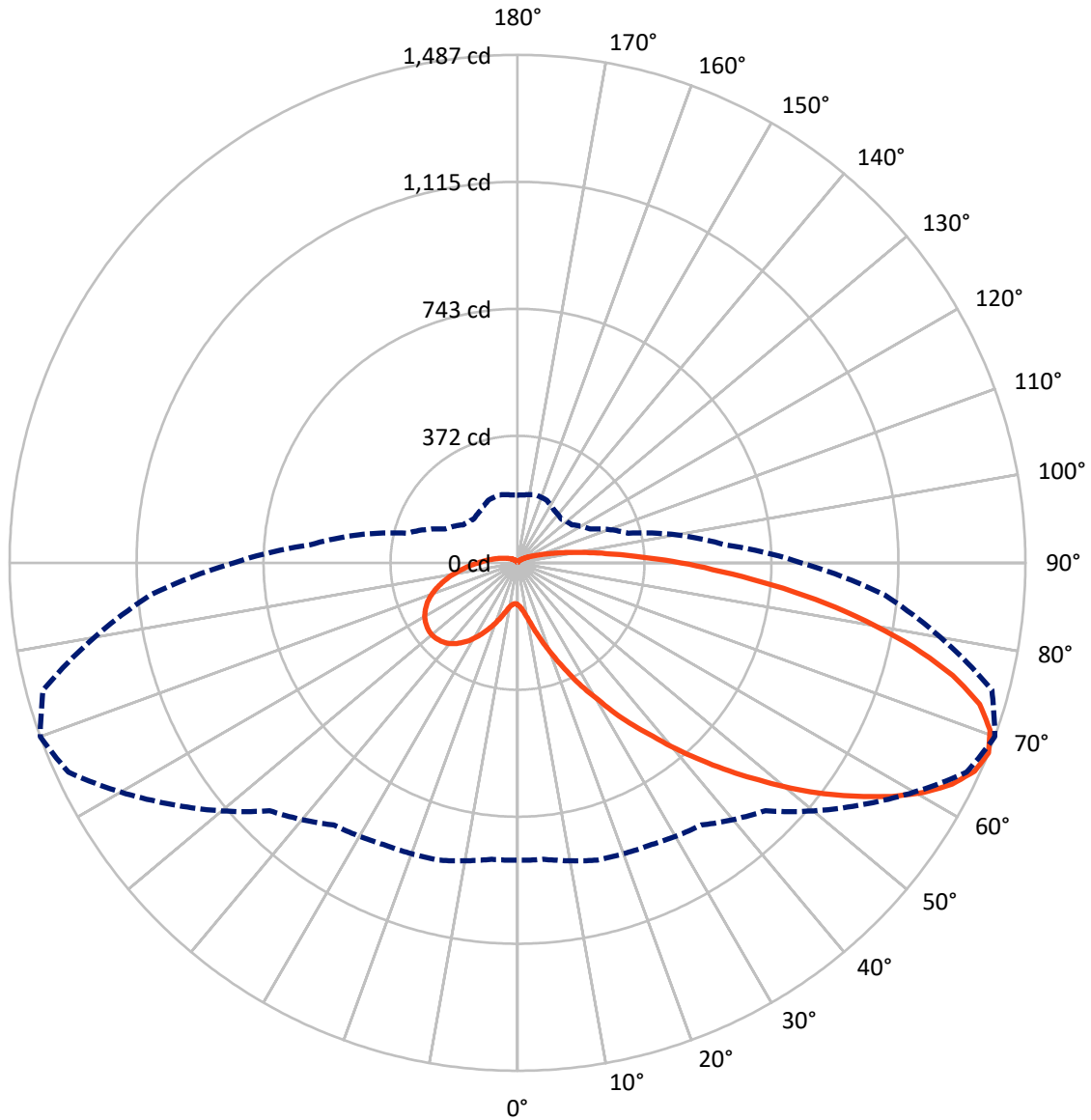
× Max cd  
 - - - 1/2 Max cd



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

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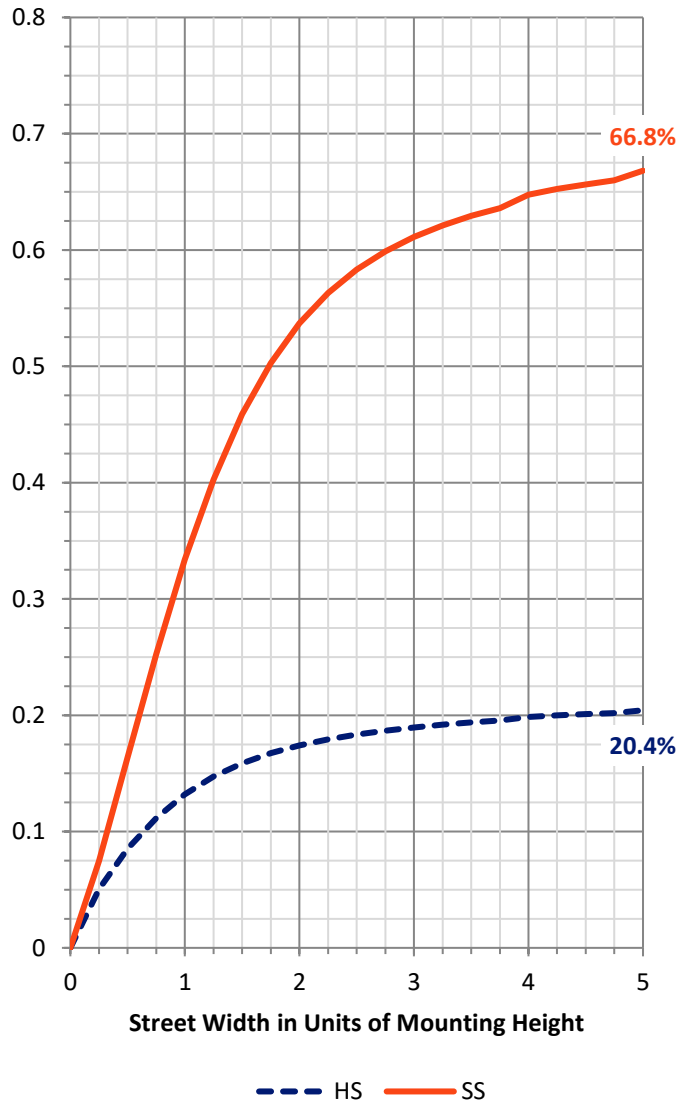
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	720.7	98.1	818.8
	% Fixture	21.6	2.9	24.5
<b>Street Side</b>	Lumens	2340.5	183.7	2524.2
	% Fixture	70.0	5.5	75.5
<b>Total</b>	Lumens	3061.2	281.8	3343.0
	% Fixture	91.6	8.4	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	12.8	0.4
10°-20°	52.9	1.6
20°-30°	133.4	4.0
30°-40°	261.2	7.8
40°-50°	425.3	12.7
50°-60°	595.9	17.8
60°-70°	683.5	20.4
70°-80°	568.9	17.0
80°-90°	327.2	9.8
90°-100°	150.1	4.5
100°-110°	68.7	2.1
110°-120°	33.8	1.0
120°-130°	17.4	0.5
130°-140°	8.5	0.3
140°-150°	3.1	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3061.2	91.6
0°-180°	3343.0	100.0

**Coefficient of Utilization**

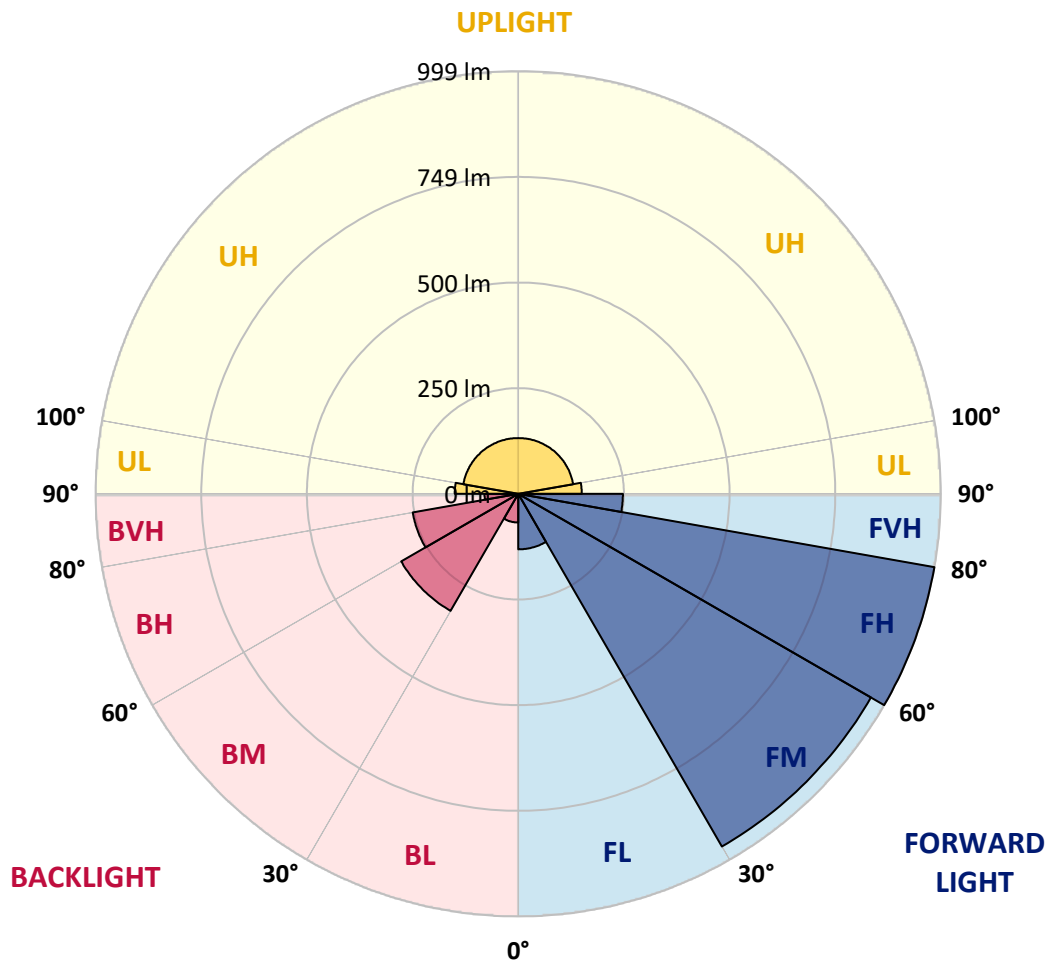


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	131.3	3.9			
FM (30°-60°)	962.8	28.8			
FH (60°-80°)	999.1	29.9			G1/1800
FVH (80°-90°)	247.4	7.4			G3/500
BL (0°-30°)	67.8	2.0	B0/110		
BM (30°-60°)	319.6	9.6	B1/1000		
BH (60°-80°)	253.4	7.6	B1/500		G1/500
BVH (80°-90°)	79.8	2.4			G1/100
UL (90°-100°)	150.1	4.5		U3/500	
UH (100°-180°)	131.8	3.9		U3/500	

**BUG Rating: B1-U3-G3**  
 Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	122.9	122.9	122.9	122.9	122.9	122.9	122.9	122.9	122.9	122.9	122.9
2.5°	134.6	134.6	134.6	133.3	133.3	130.7	130.7	128.1	128.1	126.8	124.2
5°	151.4	151.4	150.1	150.1	147.5	144.9	142.3	138.5	135.9	134.6	130.7
7.5°	170.8	170.8	169.5	166.9	165.6	161.8	156.6	151.4	148.8	146.2	139.8
10°	194.1	194.1	191.5	190.2	187.6	182.5	177.3	169.5	165.6	161.8	152.7
12.5°	221.3	218.7	218.7	214.8	210.9	207.1	200.6	191.5	187.6	182.5	170.8
15°	249.8	249.8	249.8	245.9	240.7	234.2	229.1	220.0	217.4	209.6	196.7
17.5°	283.4	286.0	282.1	276.9	274.3	267.9	261.4	254.9	248.5	240.7	223.9
20°	324.8	323.5	319.6	314.5	310.6	304.1	300.2	288.6	283.4	275.6	251.1
22.5°	364.9	366.2	362.3	354.6	349.4	345.5	339.1	330.0	322.2	313.2	286.0
25°	418.0	416.7	407.6	396.0	390.8	385.6	381.8	372.7	367.5	359.8	324.8
27.5°	471.0	465.9	459.4	449.0	436.1	427.0	424.5	420.6	416.7	403.8	364.9
30°	526.7	521.5	513.8	496.9	478.8	468.5	468.5	473.6	464.6	454.2	410.2
32.5°	586.2	579.8	569.4	548.7	524.1	512.5	517.6	526.7	525.4	509.9	455.5
35°	645.7	644.5	628.9	603.0	572.0	557.8	565.5	583.6	583.6	572.0	504.7
37.5°	704.0	705.3	691.0	658.7	618.6	603.0	614.7	644.5	644.5	635.4	552.6
40°	777.7	775.2	749.3	711.7	667.7	648.3	671.6	710.5	716.9	700.1	605.6
42.5°	841.2	836.0	815.3	768.7	715.6	692.3	724.7	777.7	790.7	771.3	660.0
45°	905.9	899.4	874.8	823.0	763.5	736.3	781.6	852.8	869.6	851.5	716.9
47.5°	966.7	960.2	938.2	876.1	814.0	789.4	839.9	929.2	949.9	934.3	772.6
50°	1022.3	1021.0	993.9	929.2	858.0	834.7	900.7	1009.4	1036.6	1013.3	829.5
52.5°	1070.2	1065.0	1039.2	977.0	902.0	883.9	962.8	1093.5	1123.3	1100.0	886.4
55°	1100.0	1097.4	1074.1	1013.3	942.1	929.2	1024.9	1169.9	1206.1	1185.4	939.5
57.5°	1114.2	1110.3	1090.9	1036.6	971.9	970.6	1081.9	1248.8	1290.2	1263.0	993.9
60°	1100.0	1097.4	1084.4	1043.0	991.3	1002.9	1141.4	1321.3	1365.3	1335.5	1036.6
62.5°	1052.1	1052.1	1050.8	1026.2	995.2	1030.1	1188.0	1383.4	1427.4	1391.1	1067.6
65°	977.0	980.9	988.7	983.5	978.3	1039.2	1219.0	1430.0	1470.1	1427.4	1084.4
67.5°	870.9	870.9	900.7	912.3	936.9	1026.2	1233.3	1450.7	1486.9	1437.7	1078.0
70°	753.2	753.2	786.8	820.5	874.8	992.6	1217.7	1439.0	1467.5	1413.1	1049.5
72.5°	630.2	631.5	671.6	718.2	793.3	934.3	1176.3	1388.6	1414.4	1349.7	992.6
75°	509.9	520.2	553.9	614.7	701.4	856.7	1098.7	1300.6	1316.1	1254.0	912.3
77.5°	403.8	416.7	456.8	516.3	606.9	758.3	993.9	1182.8	1185.4	1125.9	815.3
80°	319.6	328.7	370.1	425.8	513.8	658.7	869.6	1036.6	1034.0	975.7	698.8
82.5°	252.3	258.8	291.2	345.5	429.6	564.2	746.7	869.6	878.7	821.7	586.2
85°	194.1	201.9	231.6	279.5	354.6	469.8	617.3	713.0	716.9	666.5	482.7
87.5°	148.8	156.6	183.8	229.1	292.5	385.6	503.4	578.5	572.0	531.9	381.8
90°	115.2	119.1	146.2	183.8	239.4	318.3	405.0	454.2	454.2	415.4	305.4
92.5°	91.9	93.2	117.8	151.4	198.0	258.8	326.1	357.2	348.1	326.1	240.7
95°	72.5	75.1	94.5	124.2	163.1	212.2	257.5	279.5	271.8	251.1	188.9
97.5°	58.2	60.8	77.6	103.5	135.9	173.4	207.1	217.4	213.5	199.3	150.1
100°	47.9	49.2	63.4	88.0	113.9	143.6	165.6	172.1	164.3	155.3	117.8
102.5°	40.1	41.4	54.4	73.8	97.1	117.8	134.6	137.2	130.7	120.3	94.5
105°	33.6	34.9	45.3	63.4	81.5	99.6	110.0	108.7	102.2	94.5	76.4
107.5°	29.8	29.8	38.8	54.4	71.2	82.8	90.6	88.0	81.5	73.8	62.1
110°	25.9	25.9	32.4	46.6	60.8	71.2	75.1	71.2	64.7	59.5	50.5

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	23.3	23.3	28.5	40.1	51.8	60.8	62.1	56.9	53.1	49.2	41.4
115°	20.7	22.0	24.6	33.6	44.0	51.8	51.8	47.9	44.0	40.1	36.2
117.5°	19.4	19.4	22.0	29.8	38.8	44.0	44.0	40.1	36.2	33.6	31.1
120°	18.1	18.1	20.7	25.9	33.6	37.5	37.5	33.6	31.1	28.5	27.2
122.5°	16.8	16.8	18.1	22.0	28.5	32.4	32.4	28.5	25.9	24.6	23.3
125°	15.5	15.5	16.8	19.4	24.6	27.2	27.2	23.3	22.0	20.7	20.7
127.5°	14.2	14.2	15.5	16.8	20.7	23.3	22.0	19.4	18.1	18.1	18.1
130°	12.9	12.9	14.2	15.5	18.1	19.4	18.1	16.8	15.5	15.5	15.5
132.5°	12.9	12.9	12.9	12.9	14.2	15.5	15.5	14.2	12.9	14.2	14.2
135°	11.6	11.6	11.6	11.6	11.6	12.9	11.6	11.6	11.6	11.6	11.6
137.5°	10.4	10.4	10.4	10.4	10.4	10.4	9.1	9.1	9.1	10.4	10.4
140°	9.1	9.1	9.1	7.8	7.8	7.8	7.8	7.8	7.8	7.8	9.1
142.5°	7.8	7.8	7.8	6.5	6.5	5.2	5.2	5.2	6.5	6.5	7.8
145°	6.5	6.5	6.5	5.2	3.9	3.9	3.9	3.9	5.2	5.2	5.2
147.5°	5.2	5.2	5.2	3.9	2.6	2.6	2.6	2.6	3.9	3.9	3.9
150°	3.9	3.9	3.9	2.6	2.6	1.3	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°	122.9	122.9	122.9	122.9	122.9	122.9	122.9	122.9	122.9	122.9	122.9
2.5°	124.2	122.9	121.6	119.1	117.8	117.8	117.8	116.5	116.5	115.2	115.2
5°	128.1	126.8	121.6	117.8	115.2	112.6	110.0	108.7	107.4	106.1	106.1
7.5°	135.9	133.3	126.8	120.3	115.2	110.0	106.1	103.5	102.2	100.9	100.9
10°	147.5	143.6	133.3	124.2	116.5	110.0	104.8	102.2	99.6	98.4	98.4
12.5°	164.3	159.2	144.9	132.0	121.6	112.6	107.4	103.5	100.9	99.6	99.6
15°	187.6	178.6	160.5	143.6	129.4	117.8	111.3	108.7	107.4	107.4	107.4
17.5°	212.2	199.3	178.6	156.6	139.8	126.8	120.3	117.8	116.5	116.5	116.5
20°	239.4	225.2	196.7	170.8	150.1	138.5	130.7	128.1	126.8	126.8	126.8
22.5°	269.2	253.6	216.1	183.8	163.1	150.1	142.3	138.5	139.8	139.8	139.8
25°	302.8	280.8	236.8	199.3	174.7	161.8	154.0	150.1	152.7	154.0	154.0
27.5°	340.3	310.6	256.2	213.5	187.6	172.1	165.6	163.1	166.9	168.2	169.5
30°	376.6	342.9	275.6	229.1	198.0	182.5	176.0	177.3	179.9	182.5	185.1
32.5°	416.7	372.7	296.3	242.0	208.3	190.2	186.3	190.2	195.4	198.0	199.3
35°	455.5	403.8	311.9	253.6	216.1	198.0	195.4	201.9	208.3	213.5	213.5
37.5°	494.3	432.2	328.7	262.7	222.6	203.2	203.2	212.2	220.0	226.5	226.5
40°	534.5	463.3	342.9	270.5	227.8	208.3	209.6	221.3	231.6	235.5	236.8
42.5°	575.9	489.2	354.6	275.6	230.3	212.2	214.8	229.1	239.4	243.3	244.6
45°	616.0	516.3	363.6	278.2	232.9	213.5	217.4	234.2	244.6	248.5	248.5
47.5°	653.5	539.6	370.1	279.5	232.9	213.5	220.0	236.8	248.5	249.8	249.8
50°	693.6	562.9	375.3	279.5	231.6	213.5	220.0	238.1	248.5	248.5	248.5
52.5°	732.5	583.6	377.9	276.9	229.1	212.2	218.7	236.8	247.2	244.6	244.6
55°	768.7	600.5	376.6	273.1	225.2	208.3	216.1	234.2	243.3	239.4	239.4
57.5°	798.5	614.7	374.0	267.9	221.3	204.5	212.2	230.3	238.1	232.9	231.6
60°	824.3	623.7	368.8	261.4	214.8	199.3	208.3	225.2	231.6	225.2	223.9
62.5°	838.6	627.6	361.0	252.3	209.6	194.1	201.9	218.7	223.9	216.1	216.1
65°	843.7	622.5	349.4	243.3	201.9	188.9	195.4	210.9	214.8	208.3	207.1
67.5°	830.8	608.2	335.2	234.2	194.1	181.2	187.6	201.9	205.8	199.3	198.0
70°	803.6	581.0	317.1	221.3	185.1	173.4	178.6	190.2	195.4	190.2	188.9
72.5°	753.2	547.4	296.3	208.3	174.7	164.3	169.5	179.9	185.1	179.9	178.6
75°	693.6	503.4	273.1	194.1	164.3	155.3	159.2	166.9	172.1	169.5	166.9
77.5°	614.7	450.3	248.5	179.9	154.0	144.9	147.5	155.3	159.2	156.6	156.6
80°	531.9	392.1	223.9	164.3	143.6	135.9	135.9	142.3	146.2	144.9	142.3
82.5°	451.6	335.2	198.0	148.8	130.7	124.2	125.5	128.1	133.3	130.7	129.4
85°	371.4	284.7	173.4	134.6	119.1	113.9	113.9	115.2	119.1	117.8	116.5
87.5°	304.1	234.2	151.4	119.1	107.4	103.5	100.9	103.5	103.5	103.5	100.9
90°	247.2	194.1	130.7	106.1	98.4	93.2	90.6	90.6	90.6	89.3	88.0
92.5°	196.7	160.5	113.9	94.5	88.0	84.1	81.5	80.2	78.9	76.4	76.4
95°	161.8	132.0	98.4	82.8	78.9	75.1	72.5	71.2	68.6	66.0	64.7
97.5°	128.1	110.0	84.1	73.8	69.9	67.3	64.7	62.1	58.2	55.6	54.4
100°	102.2	89.3	72.5	64.7	62.1	59.5	56.9	54.4	50.5	46.6	45.3
102.5°	84.1	75.1	62.1	58.2	55.6	53.1	51.8	47.9	42.7	38.8	38.8
105°	68.6	62.1	54.4	50.5	49.2	47.9	45.3	41.4	36.2	32.4	32.4
107.5°	56.9	53.1	46.6	45.3	44.0	42.7	40.1	36.2	31.1	27.2	27.2
110°	47.9	44.0	40.1	38.8	38.8	37.5	36.2	31.1	27.2	23.3	23.3

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

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	40.1	37.5	36.2	34.9	34.9	33.6	32.4	27.2	23.3	20.7	20.7
115°	33.6	32.4	31.1	31.1	31.1	29.8	28.5	24.6	19.4	18.1	18.1
117.5°	29.8	28.5	27.2	27.2	27.2	27.2	24.6	20.7	16.8	15.5	15.5
120°	25.9	25.9	24.6	24.6	24.6	23.3	22.0	18.1	14.2	14.2	14.2
122.5°	23.3	22.0	22.0	22.0	22.0	20.7	18.1	15.5	12.9	12.9	12.9
125°	20.7	19.4	19.4	19.4	19.4	18.1	15.5	12.9	11.6	11.6	11.6
127.5°	18.1	18.1	16.8	16.8	16.8	15.5	14.2	11.6	10.4	10.4	10.4
130°	15.5	15.5	15.5	15.5	14.2	12.9	11.6	10.4	9.1	9.1	9.1
132.5°	14.2	14.2	12.9	12.9	12.9	11.6	10.4	9.1	7.8	9.1	9.1
135°	11.6	11.6	11.6	11.6	10.4	9.1	9.1	7.8	7.8	7.8	7.8
137.5°	10.4	10.4	10.4	9.1	9.1	7.8	7.8	6.5	6.5	6.5	7.8
140°	9.1	9.1	7.8	7.8	6.5	6.5	6.5	5.2	6.5	6.5	6.5
142.5°	7.8	7.8	6.5	6.5	5.2	5.2	5.2	5.2	5.2	5.2	5.2
145°	5.2	5.2	5.2	5.2	3.9	3.9	3.9	3.9	5.2	5.2	5.2
147.5°	3.9	3.9	3.9	3.9	2.6	2.6	2.6	3.9	3.9	3.9	3.9
150°	2.6	2.6	2.6	2.6	1.3	1.3	2.6	2.6	3.9	3.9	3.9
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)