

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: P694506

Luminaire Tested: **LXF.LXT-PA16-20-727-U-T2U-A**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P694506  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-20-727-U-T2U-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS  
AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2391 lumens  
Efficiency: N/A  
Efficacy: 109.7 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type II - Short  
BUG Rating: B1 - U2 - G1

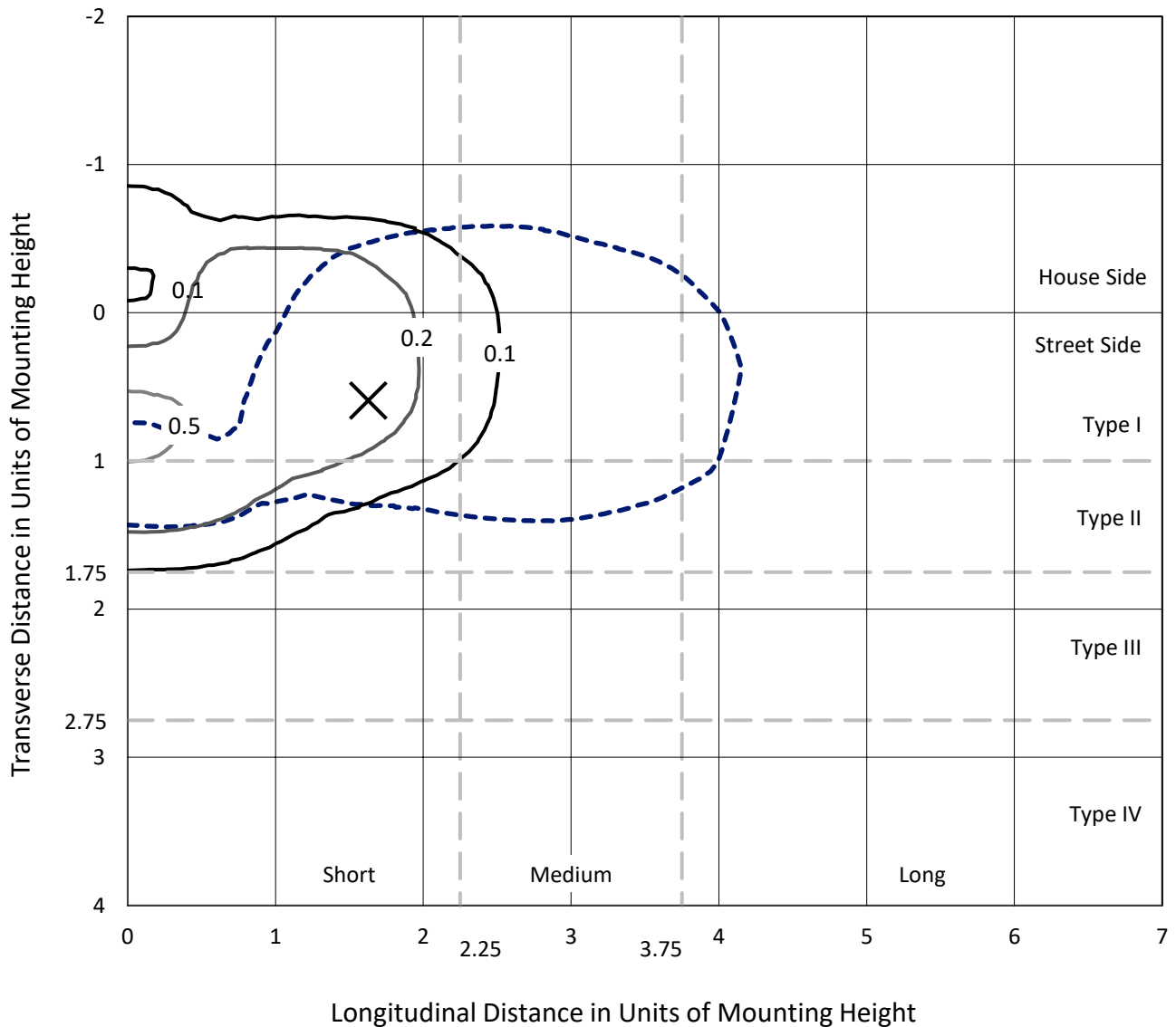
Input Watts (W): 21.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

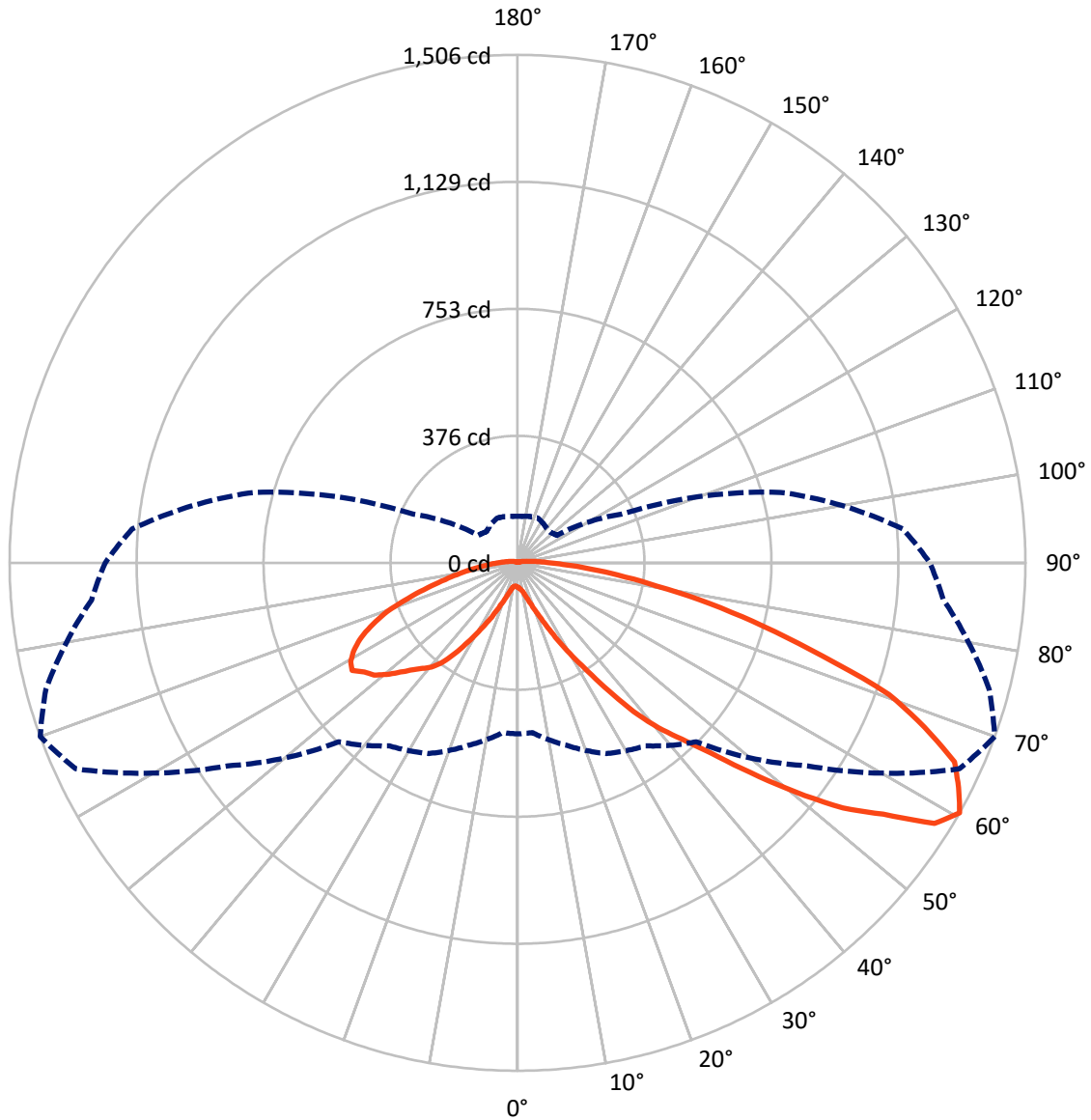
× Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral      - - - Horizontal Cone Through 60-Deg Vertical

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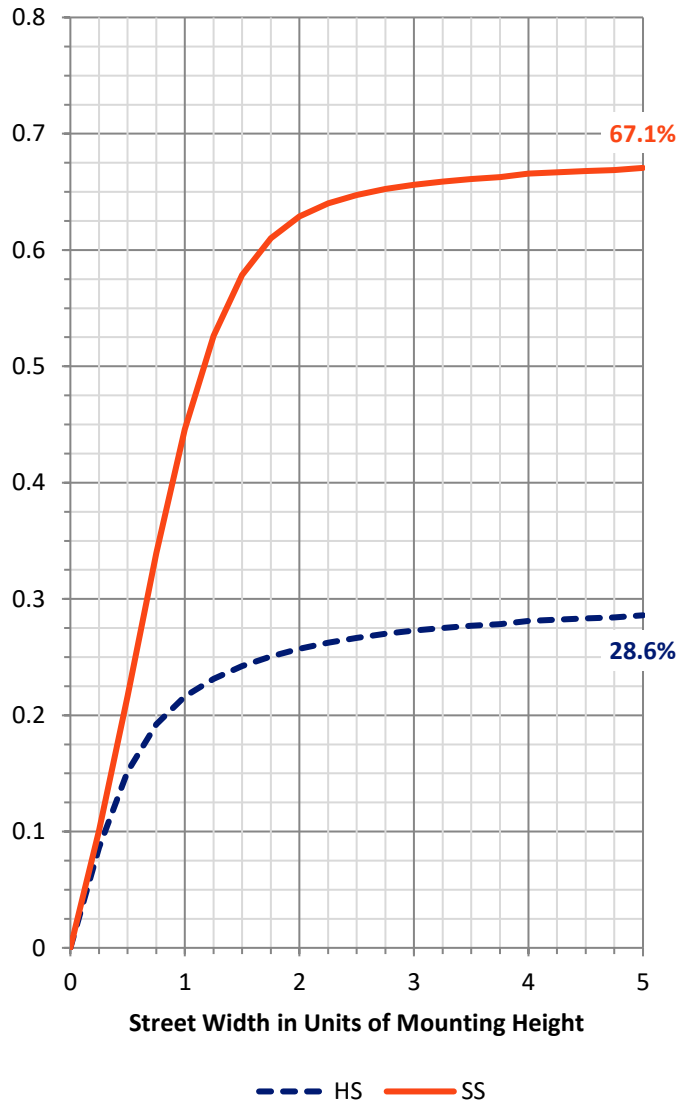
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	703.9	35.5	739.5
	% Fixture	29.4	1.5	30.9
<b>Street Side</b>	Lumens	1621.3	30.3	1651.5
	% Fixture	67.8	1.3	69.1
<b>Total</b>	Lumens	2325.2	65.8	2391.0
	% Fixture	97.2	2.8	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7.2	0.3
10°-20°	30.5	1.3
20°-30°	96.6	4.0
30°-40°	237.8	9.9
40°-50°	411.5	17.2
50°-60°	579.1	24.2
60°-70°	538.5	22.5
70°-80°	307.1	12.8
80°-90°	116.8	4.9
90°-100°	34.8	1.5
100°-110°	14.2	0.6
110°-120°	7.6	0.3
120°-130°	4.7	0.2
130°-140°	3.1	0.1
140°-150°	1.3	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2325.2	97.2
0°-180°	2391.0	100.0

**Coefficient of Utilization**

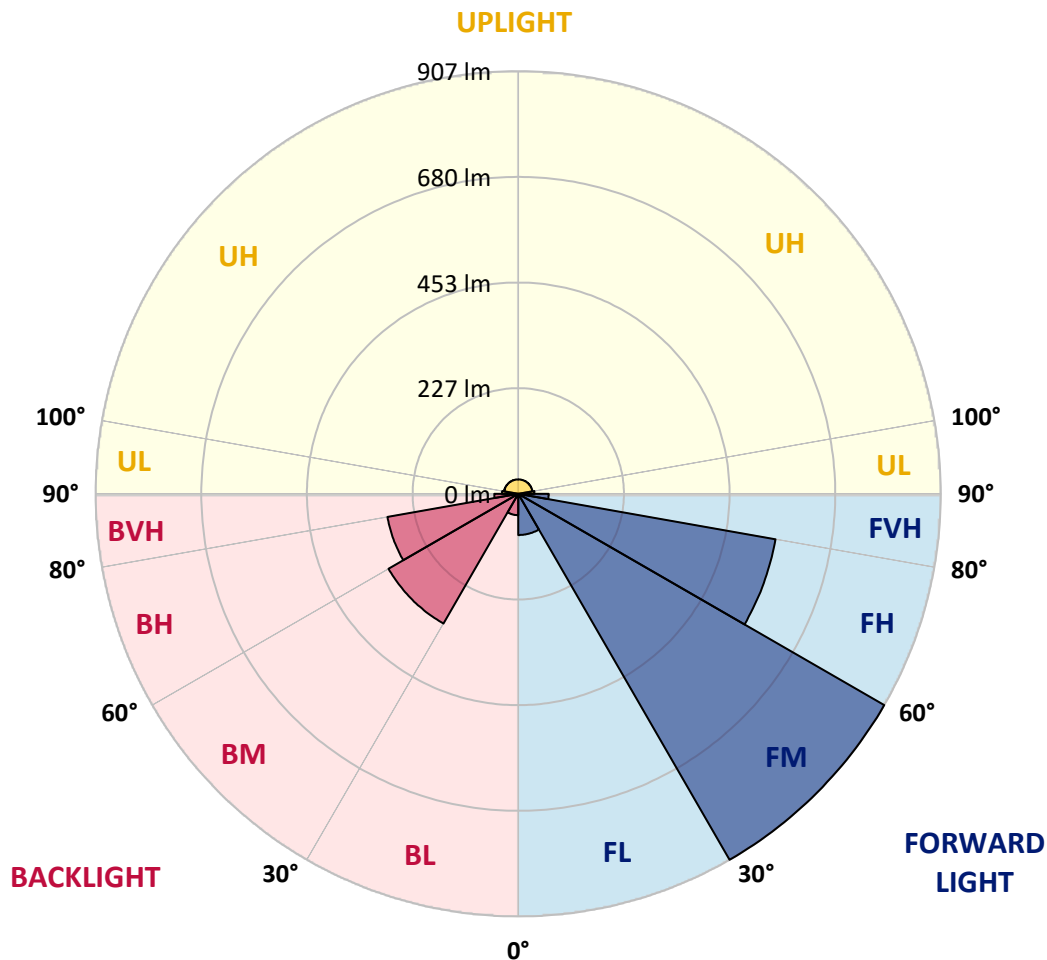


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	88.5	3.7			
FM (30°-60°)	906.9	37.9			
FH (60°-80°)	560.6	23.4			G0/660
FVH (80°-90°)	65.3	2.7			G1/100
BL (0°-30°)	45.9	1.9	B0/110		
BM (30°-60°)	321.5	13.4	B1/1000		
BH (60°-80°)	285.0	11.9	B1/500		G1/500
BVH (80°-90°)	51.6	2.2			G1/100
UL (90°-100°)	34.8	1.5		U2/50	
UH (100°-180°)	31.0	1.3		U2/50	

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



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
2.5°	77.3	76.5	76.5	76.5	76.5	75.7	74.8	74.0	74.0	73.1	72.3
5°	84.1	84.1	84.1	83.2	82.4	81.5	79.9	78.2	77.3	75.7	74.0
7.5°	95.0	93.3	93.3	92.5	90.0	88.3	85.7	82.4	81.5	79.9	77.3
10°	108.4	107.6	106.8	104.2	100.0	96.7	94.2	90.0	87.4	85.7	82.4
12.5°	129.5	129.5	126.9	121.9	116.0	110.1	105.1	100.0	97.5	95.0	91.6
15°	155.5	154.7	153.8	145.4	136.2	127.8	119.4	113.5	111.0	109.3	103.4
17.5°	190.0	190.8	185.8	172.3	158.9	149.6	139.6	132.0	128.6	126.1	121.1
20°	234.5	233.7	226.1	206.8	191.7	176.5	165.6	153.8	151.3	148.8	142.9
22.5°	292.6	290.9	275.7	252.2	229.5	208.5	194.2	185.8	180.7	177.4	172.3
25°	352.2	359.0	337.9	309.4	276.6	244.6	229.5	224.5	219.4	216.9	210.2
27.5°	446.4	447.2	417.0	370.7	327.0	294.2	274.9	266.5	266.5	263.1	254.7
30°	546.4	545.6	508.6	449.8	390.1	344.7	324.5	319.5	321.1	316.9	305.2
32.5°	634.7	633.0	591.8	533.8	454.8	399.3	380.0	381.7	383.3	386.7	377.5
35°	730.5	729.7	680.9	609.5	523.7	461.5	448.1	464.1	464.9	469.9	448.9
37.5°	765.0	770.1	739.8	675.9	585.1	525.4	526.3	543.9	559.0	560.7	531.3
40°	791.1	793.6	765.9	714.6	640.6	591.8	612.8	641.4	642.3	628.0	580.1
42.5°	850.8	853.3	814.6	749.9	680.9	659.1	689.4	719.6	713.7	701.1	641.4
45°	889.4	892.8	867.6	805.4	721.3	708.7	764.2	804.5	803.7	795.3	712.9
47.5°	928.9	934.0	907.9	849.1	767.5	754.9	846.6	929.8	928.9	905.4	807.9
50°	917.2	921.4	923.1	884.4	800.3	802.8	933.1	1060.9	1067.7	1037.4	923.9
52.5°	845.7	852.4	876.8	881.9	823.9	835.6	1017.2	1199.6	1208.0	1157.6	1013.8
55°	753.2	761.6	793.6	828.9	809.6	844.0	1087.0	1309.8	1314.8	1273.6	1129.0
57.5°	629.7	647.3	688.5	738.9	750.7	823.9	1087.8	1400.6	1457.7	1425.8	1254.3
60°	506.9	505.2	559.9	623.8	662.4	749.9	1049.2	1445.1	1505.6	1447.6	1267.7
62.5°	364.0	369.9	428.7	502.7	550.6	634.7	959.2	1357.7	1467.8	1466.1	1338.3
65°	259.8	265.7	308.5	379.1	434.6	526.3	813.8	1271.9	1423.3	1436.7	1331.6
67.5°	184.9	187.5	220.3	275.7	324.5	401.8	666.7	1150.0	1301.4	1341.7	1293.0
70°	138.7	141.2	161.4	202.6	237.1	293.4	532.1	975.2	1168.5	1227.4	1193.8
72.5°	106.8	110.1	123.6	154.7	174.9	209.3	397.6	795.3	944.9	1002.9	988.6
75°	84.1	85.7	95.8	116.9	129.5	147.1	281.6	612.0	752.4	835.6	835.6
77.5°	67.3	69.8	76.5	91.6	102.6	109.3	193.4	439.7	583.4	667.5	686.8
80°	53.8	55.5	61.4	72.3	79.9	84.1	130.3	305.2	418.7	518.7	575.0
82.5°	42.9	42.9	48.8	57.2	64.7	69.8	95.8	216.1	299.3	374.9	437.1
85°	34.5	35.3	38.7	44.6	52.1	58.8	74.0	148.0	204.3	251.4	302.6
87.5°	26.9	26.9	30.3	34.5	42.0	49.6	60.5	100.0	134.5	173.2	203.4
90°	19.3	20.2	21.9	25.2	32.8	40.4	47.9	69.8	89.1	108.4	128.6
92.5°	14.3	14.3	15.1	17.7	23.5	31.9	38.7	50.4	61.4	70.6	79.9
95°	10.9	10.9	11.8	12.6	16.8	24.4	29.4	37.0	42.9	49.6	53.8
97.5°	9.2	9.2	9.2	10.1	13.5	18.5	22.7	27.7	31.9	36.1	40.4
100°	8.4	8.4	8.4	8.4	10.9	16.0	17.7	21.9	24.4	27.7	30.3
102.5°	7.6	7.6	7.6	7.6	10.1	13.5	15.1	16.8	19.3	21.0	23.5
105°	6.7	6.7	6.7	6.7	8.4	10.9	12.6	14.3	15.1	16.0	17.7
107.5°	5.9	5.9	5.9	5.9	7.6	10.1	10.9	10.9	11.8	12.6	14.3
110°	5.0	5.0	5.0	5.9	6.7	8.4	9.2	9.2	9.2	10.1	11.8

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	5.0	5.0	5.0	5.0	5.9	7.6	7.6	7.6	8.4	8.4	10.1
115°	4.2	4.2	4.2	5.0	5.9	6.7	6.7	6.7	6.7	7.6	8.4
117.5°	4.2	4.2	4.2	4.2	5.9	6.7	6.7	5.9	5.9	6.7	7.6
120°	4.2	4.2	4.2	4.2	5.0	5.9	5.9	5.9	5.9	5.9	6.7
122.5°	4.2	4.2	4.2	4.2	5.0	5.0	5.0	5.0	5.0	5.0	5.9
125°	4.2	4.2	4.2	4.2	5.0	5.0	5.0	4.2	4.2	5.0	5.9
127.5°	5.0	5.0	4.2	4.2	4.2	5.0	4.2	4.2	4.2	4.2	5.0
130°	5.0	5.0	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	5.0
132.5°	5.0	5.0	4.2	4.2	4.2	4.2	4.2	3.4	3.4	4.2	5.0
135°	4.2	5.0	4.2	4.2	4.2	3.4	3.4	3.4	3.4	3.4	4.2
137.5°	4.2	4.2	4.2	3.4	3.4	3.4	2.5	2.5	2.5	3.4	3.4
140°	4.2	4.2	3.4	3.4	3.4	2.5	2.5	2.5	2.5	2.5	3.4
142.5°	3.4	3.4	3.4	2.5	2.5	2.5	1.7	1.7	1.7	1.7	2.5
145°	3.4	3.4	2.5	2.5	1.7	1.7	1.7	1.7	1.7	1.7	1.7
147.5°	2.5	2.5	2.5	1.7	1.7	1.7	0.8	0.8	0.8	0.8	0.8
150°	2.5	1.7	1.7	1.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8
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°	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
2.5°	72.3	71.5	70.6	70.6	69.8	68.9	68.1	68.1	68.1	68.1	68.1
5°	73.1	72.3	70.6	68.9	67.3	65.6	64.7	63.1	63.1	63.1	62.2
7.5°	75.7	74.0	71.5	68.1	65.6	63.1	60.5	59.7	58.8	58.0	58.0
10°	79.9	78.2	74.0	69.8	65.6	62.2	58.8	56.3	54.6	54.6	54.6
12.5°	88.3	85.7	79.9	73.1	67.3	62.2	58.0	55.5	54.6	54.6	55.5
15°	101.7	98.4	90.0	81.5	72.3	64.7	61.4	61.4	62.2	63.1	63.1
17.5°	117.7	113.5	104.2	92.5	81.5	74.0	70.6	71.5	73.1	74.0	74.0
20°	140.4	132.8	123.6	107.6	93.3	86.6	82.4	81.5	85.7	87.4	87.4
22.5°	166.5	162.2	147.1	126.9	110.1	100.0	94.2	92.5	96.7	98.4	98.4
25°	205.1	196.7	179.1	152.2	130.3	113.5	105.1	103.4	109.3	112.6	112.6
27.5°	249.7	237.1	215.2	180.7	150.5	126.1	115.2	115.2	121.1	126.1	126.9
30°	295.9	281.6	255.6	212.7	170.7	136.2	122.7	123.6	129.5	137.0	135.3
32.5°	363.2	343.0	304.3	248.8	189.2	144.6	126.9	130.3	139.6	149.6	148.0
35°	428.7	407.7	361.5	289.2	205.1	148.8	129.5	137.0	147.1	154.7	154.7
37.5°	498.5	472.5	413.6	324.5	221.9	151.3	131.1	138.7	148.8	153.8	153.8
40°	544.8	518.7	451.4	349.7	228.7	150.5	130.3	137.9	144.6	146.3	144.6
42.5°	602.8	564.1	480.9	361.5	225.3	146.3	127.8	133.7	136.2	135.3	135.3
45°	671.7	628.8	522.9	365.7	215.2	139.6	124.4	128.6	132.0	132.8	132.8
47.5°	764.2	714.6	577.5	372.4	202.6	132.8	122.7	129.5	132.8	130.3	130.3
50°	870.9	812.9	640.6	378.3	190.0	127.8	123.6	132.0	132.8	130.3	129.5
52.5°	955.8	892.8	695.2	385.0	177.4	125.3	126.9	135.3	134.5	130.3	129.5
55°	1068.5	1003.8	744.0	369.9	165.6	126.1	130.3	138.7	136.2	129.5	129.5
57.5°	1201.3	1123.1	808.7	361.5	152.2	128.6	134.5	142.1	137.9	132.0	131.1
60°	1222.3	1146.7	807.0	340.5	142.1	130.3	137.9	145.4	142.1	137.9	137.9
62.5°	1293.8	1212.2	793.6	303.5	134.5	130.3	140.4	149.6	150.5	148.0	147.1
65°	1284.5	1195.4	759.1	266.5	127.8	128.6	142.1	154.7	155.5	156.4	156.4
67.5°	1250.9	1157.6	699.4	233.7	120.2	126.1	142.1	153.8	158.0	161.4	161.4
70°	1148.4	1063.4	623.8	200.9	112.6	119.4	135.3	148.8	153.0	157.2	158.0
72.5°	960.9	881.9	512.0	170.7	102.6	109.3	123.6	136.2	141.2	144.6	143.8
75°	801.2	737.3	416.1	135.3	91.6	96.7	108.4	119.4	122.7	125.3	125.3
77.5°	661.6	604.4	327.9	111.0	79.9	84.1	93.3	101.7	105.1	105.9	104.2
80°	552.3	485.1	257.2	90.0	68.1	70.6	79.9	86.6	90.0	88.3	89.1
82.5°	427.1	371.6	195.0	75.7	59.7	60.5	67.3	73.1	75.7	74.0	73.1
85°	290.0	252.2	140.4	65.6	52.1	51.3	55.5	60.5	62.2	61.4	60.5
87.5°	191.7	166.5	101.7	56.3	45.4	44.6	47.1	51.3	53.0	52.1	50.4
90°	121.1	110.1	73.1	47.9	39.5	37.8	39.5	42.0	44.6	43.7	42.9
92.5°	77.3	69.8	53.8	39.5	33.6	31.9	31.9	33.6	35.3	33.6	31.9
95°	52.1	50.4	41.2	31.9	27.7	26.1	25.2	25.2	26.9	25.2	24.4
97.5°	40.4	38.7	33.6	25.2	21.9	21.0	20.2	20.2	21.9	20.2	19.3
100°	31.1	31.1	26.9	21.0	16.8	16.8	16.8	17.7	18.5	17.7	17.7
102.5°	24.4	24.4	22.7	17.7	14.3	14.3	14.3	15.1	16.8	16.0	16.0
105°	18.5	19.3	18.5	14.3	12.6	12.6	12.6	13.5	14.3	14.3	14.3
107.5°	15.1	16.0	15.1	12.6	10.9	10.9	10.9	11.8	12.6	13.5	13.5
110°	12.6	13.5	12.6	10.9	10.1	10.1	10.1	10.1	11.8	11.8	12.6

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 CATALOG NUMBER: LXF.LXT-PA16-20-727-U-T2U-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	10.1	10.9	10.9	9.2	9.2	9.2	8.4	9.2	10.1	10.9	10.9
115°	9.2	9.2	9.2	8.4	8.4	8.4	7.6	7.6	9.2	10.1	10.1
117.5°	8.4	8.4	8.4	7.6	7.6	7.6	6.7	6.7	7.6	9.2	9.2
120°	7.6	7.6	7.6	6.7	6.7	6.7	5.9	5.9	6.7	8.4	8.4
122.5°	6.7	6.7	6.7	5.9	5.9	5.9	5.9	5.9	6.7	7.6	7.6
125°	5.9	5.9	5.9	5.9	5.9	5.0	5.0	5.0	5.9	6.7	6.7
127.5°	5.9	5.9	5.9	5.0	5.0	5.0	5.0	5.0	5.0	5.9	6.7
130°	5.0	5.0	5.0	5.0	4.2	4.2	4.2	4.2	5.0	5.9	5.9
132.5°	5.0	5.0	5.0	4.2	4.2	4.2	4.2	4.2	5.0	5.0	5.9
135°	4.2	5.0	4.2	4.2	4.2	3.4	3.4	3.4	4.2	5.0	5.0
137.5°	4.2	4.2	3.4	3.4	3.4	3.4	3.4	3.4	4.2	4.2	4.2
140°	3.4	3.4	3.4	2.5	2.5	2.5	2.5	2.5	3.4	4.2	4.2
142.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3.4	3.4	3.4
145°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.5	2.5	3.4	3.4
147.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.5	2.5	2.5
150°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.7	1.7	2.5	2.5
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)