

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: P694502

Luminaire Tested: **LXF.LXT-PA16-20-727-U-T2R-CL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P694502  
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-PA16-20-727-U-T2R-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 420mA 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: 2367 lumens  
Efficiency: N/A  
Efficacy: 108.6 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

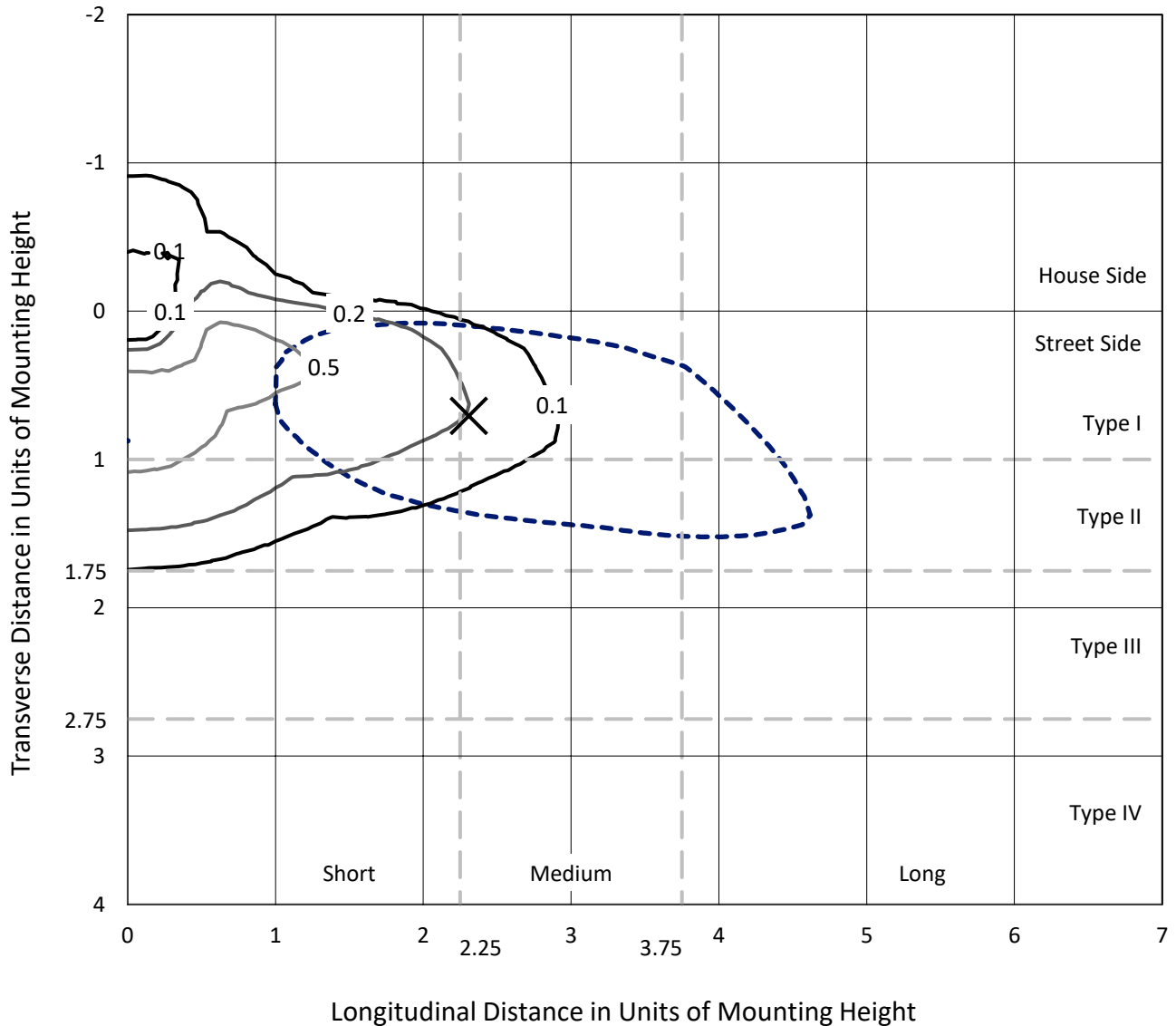
Input Watts (W): 21.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

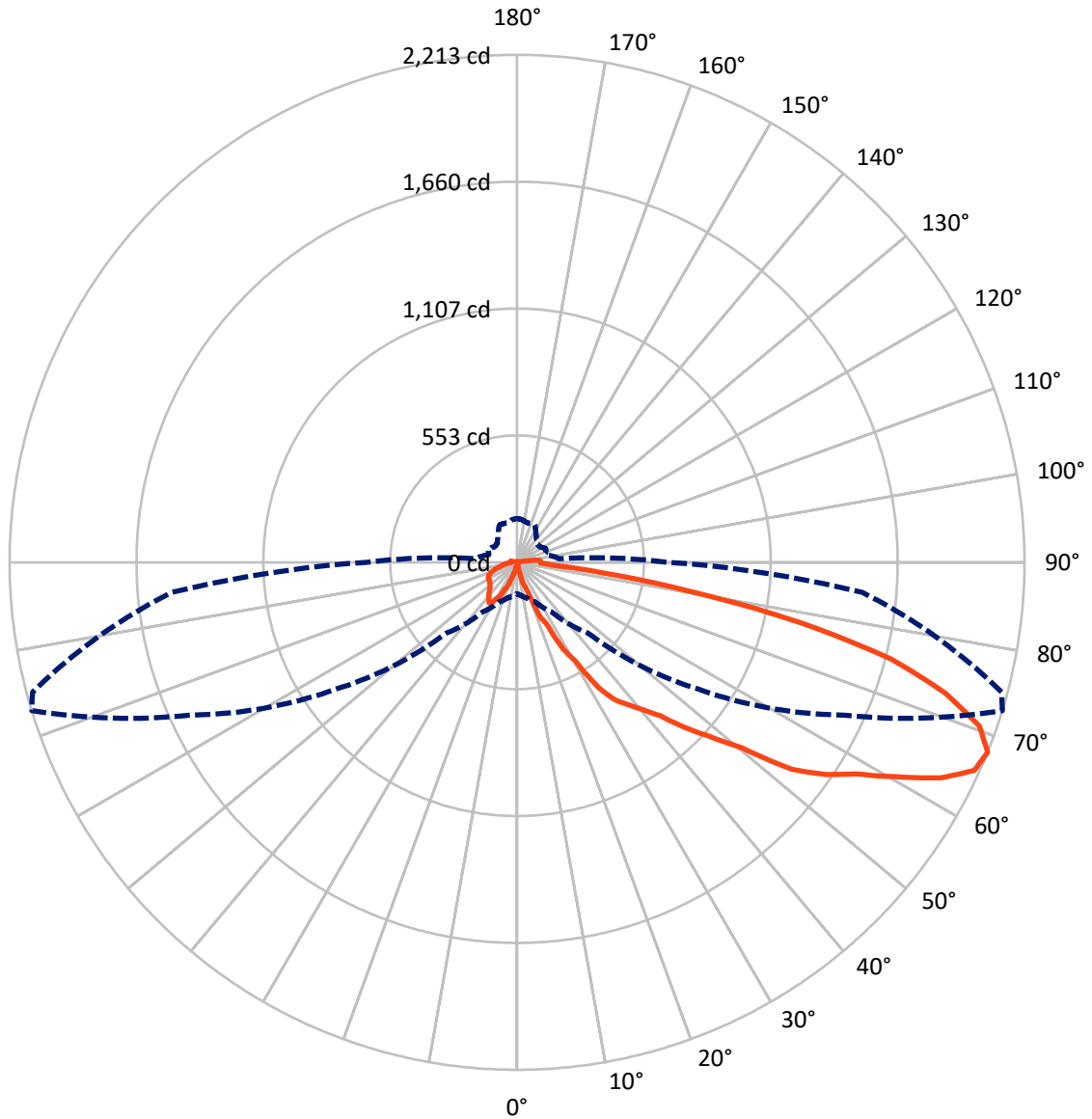
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 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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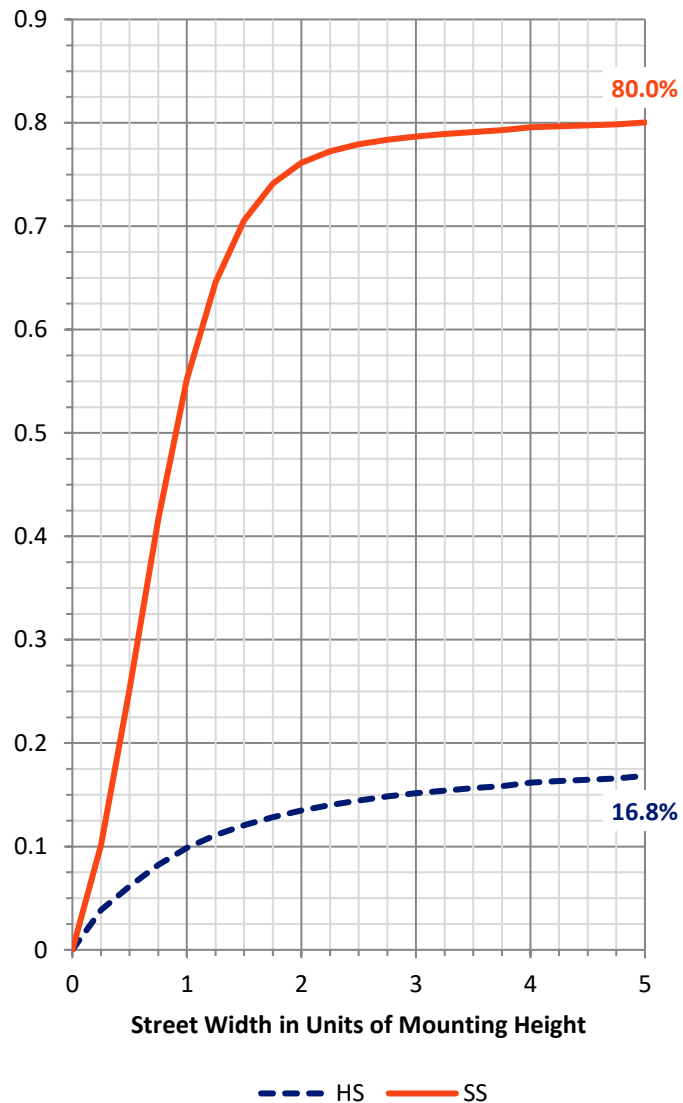
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	418.4	17.8	436.2
	% Fixture	17.7	0.8	18.4
<b>Street Side</b>	Lumens	1908.9	21.9	1930.7
	% Fixture	80.6	0.9	81.6
<b>Total</b>	Lumens	2327.3	39.7	2367.0
	% Fixture	98.3	1.7	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.2	0.0
10°-20°	19.1	0.8
20°-30°	118.5	5.0
30°-40°	298.0	12.6
40°-50°	430.4	18.2
50°-60°	526.3	22.2
60°-70°	518.9	21.9
70°-80°	326.5	13.8
80°-90°	89.3	3.8
90°-100°	26.0	1.1
100°-110°	5.6	0.2
110°-120°	2.8	0.1
120°-130°	2.3	0.1
130°-140°	1.7	0.1
140°-150°	1.2	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2327.3	98.3
0°-180°	2367.0	100.0

**Coefficient of Utilization**

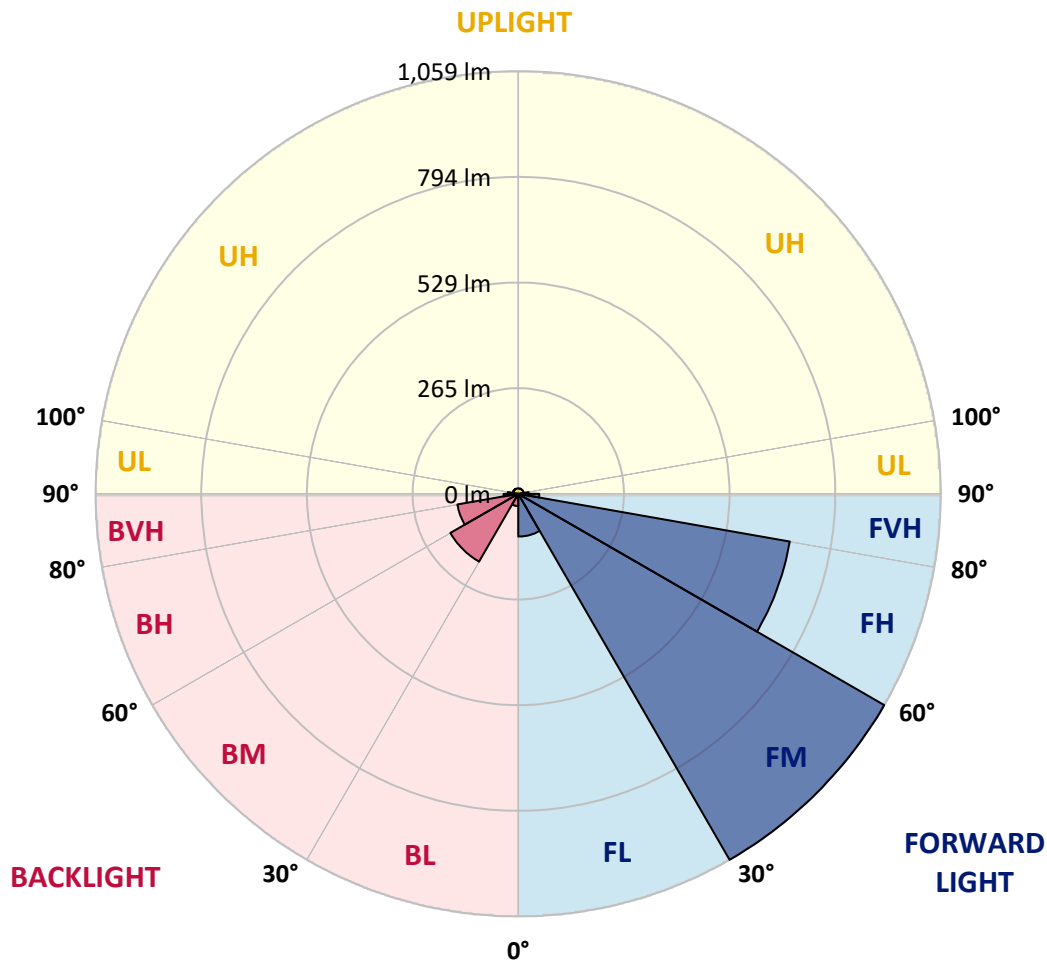


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	107.1	4.5			
FM (30°-60°)	1058.5	44.7			
FH (60°-80°)	690.6	29.2			G1/1800
FVH (80°-90°)	52.6	2.2			G1/100
BL (0°-30°)	30.7	1.3	B0/110		
BM (30°-60°)	196.3	8.3	B0/220		
BH (60°-80°)	154.8	6.5	B1/500		G1/500
BVH (80°-90°)	36.7	1.5			G1/100
UL (90°-100°)	26.0	1.1		U2/50	
UH (100°-180°)	13.7	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°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
2.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	1.7	1.7	1.7
5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	1.7	1.7	1.7
7.5°	3.4	4.2	3.4	3.4	3.4	3.4	3.4	2.5	1.7	1.7	1.7
10°	14.3	13.4	9.2	8.4	5.0	4.2	3.4	2.5	2.5	2.5	2.5
12.5°	112.6	111.8	109.3	98.3	16.8	8.4	5.0	6.7	9.2	10.9	12.6
15°	129.4	131.1	128.6	126.1	121.9	40.3	17.7	97.5	90.8	87.4	67.2
17.5°	233.7	174.8	153.8	150.5	141.2	118.5	107.6	119.4	108.4	105.1	81.5
20°	321.1	319.4	313.5	302.6	169.8	216.0	206.8	140.4	142.0	150.5	160.5
22.5°	358.9	357.2	349.7	337.9	353.0	248.8	234.5	260.6	258.0	250.5	194.2
25°	588.4	580.8	539.6	393.4	394.2	347.1	359.7	335.4	295.9	288.3	226.1
27.5°	638.0	642.2	632.1	574.1	451.4	462.3	395.0	385.8	430.3	443.0	342.1
30°	853.1	873.3	776.6	654.8	591.7	505.2	484.1	529.5	497.6	483.3	374.0
32.5°	996.9	987.6	969.1	817.0	671.6	605.2	604.3	584.2	651.4	649.7	525.3
35°	1054.0	1046.5	1028.0	895.2	772.4	710.2	657.3	726.2	737.1	709.4	560.6
37.5°	1096.9	1088.5	1066.6	923.7	853.1	753.1	775.0	778.3	788.4	782.5	591.7
40°	1099.4	1094.4	1079.2	964.1	897.7	786.7	839.7	847.2	844.7	859.9	631.2
42.5°	1090.2	1080.1	1070.8	971.6	921.2	812.8	889.3	933.0	914.5	936.3	677.5
45°	1054.0	1042.3	1038.0	971.6	917.9	830.4	947.3	1013.7	1028.0	1008.6	727.9
47.5°	992.7	990.1	991.8	949.0	914.5	850.6	1002.7	1075.0	1137.2	1107.0	801.9
50°	930.5	934.7	946.4	922.9	904.4	862.4	1073.4	1180.9	1272.6	1231.4	912.8
52.5°	832.1	838.0	871.6	880.9	875.8	861.5	1128.0	1323.8	1499.5	1442.3	1028.0
55°	742.2	745.5	768.2	801.9	821.2	843.9	1149.8	1386.9	1633.1	1568.4	1102.8
57.5°	639.6	632.9	662.3	711.1	754.8	819.5	1172.5	1436.5	1740.7	1705.4	1200.3
60°	517.8	503.5	546.3	591.7	658.1	769.1	1186.8	1522.2	1898.7	1878.6	1342.3
62.5°	348.8	355.5	398.4	459.8	552.2	684.2	1170.9	1600.4	2070.2	2058.4	1460.8
65°	219.4	228.6	256.4	309.3	403.5	575.8	1103.6	1637.3	2189.6	2169.4	1528.9
67.5°	137.0	142.9	160.5	192.5	264.8	436.2	964.1	1577.7	2213.1	2187.0	1512.1
70°	113.5	115.2	117.7	125.2	163.1	301.7	766.6	1423.0	2138.3	2142.5	1442.3
72.5°	101.7	103.4	103.4	102.5	105.1	189.1	546.3	1207.0	1951.7	1951.7	1303.7
75°	93.3	94.1	91.6	90.8	89.1	117.7	333.7	956.5	1685.3	1653.3	1089.3
77.5°	82.4	84.1	81.5	81.5	80.7	89.9	193.3	729.6	1262.5	1208.7	734.6
80°	70.6	70.6	70.6	70.6	71.4	71.4	121.0	501.0	760.7	701.0	396.7
82.5°	56.3	55.5	57.2	60.5	58.8	54.6	93.3	291.7	369.0	334.5	195.8
85°	21.9	26.9	31.1	37.8	39.5	37.8	71.4	143.7	157.2	168.1	121.0
87.5°	12.6	12.6	10.1	10.1	10.9	15.1	44.5	86.6	101.7	114.3	106.7
90°	13.4	13.4	10.1	9.2	9.2	12.6	38.7	79.0	103.4	115.2	108.4
92.5°	14.3	14.3	10.1	9.2	9.2	10.1	31.9	70.6	102.5	117.7	105.9
95°	12.6	13.4	9.2	8.4	9.2	9.2	23.5	56.3	95.0	96.7	99.2
97.5°	8.4	9.2	5.9	6.7	8.4	7.6	12.6	32.8	50.4	38.7	46.2
100°	5.0	5.9	4.2	5.0	5.9	5.9	6.7	14.3	12.6	8.4	8.4
102.5°	5.0	5.0	3.4	4.2	4.2	3.4	3.4	5.9	5.0	5.0	8.4
105°	5.0	5.0	3.4	3.4	2.5	2.5	2.5	4.2	4.2	5.0	8.4
107.5°	3.4	4.2	2.5	2.5	2.5	2.5	1.7	2.5	4.2	4.2	9.2
110°	2.5	2.5	1.7	1.7	1.7	2.5	1.7	2.5	3.4	4.2	6.7

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
112.5°	1.7	2.5	1.7	1.7	1.7	1.7	1.7	2.5	3.4	3.4	4.2
115°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.5	2.5	3.4	5.0
117.5°	2.5	2.5	1.7	1.7	0.8	1.7	1.7	1.7	2.5	3.4	5.0
120°	2.5	2.5	1.7	1.7	0.8	0.8	1.7	1.7	3.4	3.4	5.0
122.5°	2.5	2.5	1.7	0.8	0.8	0.8	1.7	1.7	2.5	3.4	5.0
125°	2.5	2.5	1.7	0.8	0.8	0.8	1.7	1.7	2.5	3.4	4.2
127.5°	2.5	2.5	1.7	0.8	0.8	0.8	1.7	1.7	2.5	2.5	4.2
130°	2.5	2.5	1.7	0.8	0.8	0.8	1.7	1.7	2.5	2.5	4.2
132.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.5	3.4
135°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.5
137.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
140°	2.5	2.5	2.5	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
142.5°	2.5	2.5	2.5	2.5	2.5	1.7	1.7	1.7	1.7	1.7	1.7
145°	3.4	3.4	3.4	2.5	2.5	1.7	1.7	1.7	1.7	1.7	1.7
147.5°	3.4	3.4	3.4	2.5	2.5	1.7	1.7	1.7	1.7	1.7	1.7
150°	3.4	4.2	3.4	2.5	1.7	1.7	1.7	1.7	1.7	1.7	1.7
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°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
2.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.5	2.5	2.5
5°	1.7	1.7	1.7	0.8	0.8	0.8	0.8	1.7	1.7	1.7	1.7
7.5°	1.7	1.7	1.7	0.8	0.8	0.8	0.8	1.7	1.7	1.7	1.7
10°	2.5	1.7	1.7	0.8	0.8	0.8	0.8	0.8	1.7	1.7	0.8
12.5°	12.6	12.6	9.2	4.2	1.7	0.8	0.8	0.8	2.5	2.5	2.5
15°	61.4	55.5	49.6	43.7	11.8	1.7	1.7	7.6	28.6	40.3	42.0
17.5°	71.4	64.7	58.0	53.0	47.1	17.7	19.3	50.4	52.1	53.0	52.1
20°	137.8	122.7	79.8	60.5	52.1	54.6	47.9	53.8	58.0	59.7	59.7
22.5°	163.9	141.2	121.0	105.9	62.2	74.8	69.8	62.2	96.7	99.2	100.0
25°	190.0	160.5	130.3	112.6	108.4	77.3	82.4	95.0	102.5	104.2	103.4
27.5°	277.4	228.6	182.4	121.9	115.2	96.7	103.4	100.0	109.3	133.6	136.2
30°	298.4	237.9	185.8	147.9	121.0	113.5	106.7	130.3	141.2	141.2	142.0
32.5°	413.5	317.7	228.6	147.9	133.6	114.3	127.8	136.2	142.9	153.0	149.6
35°	432.9	321.1	226.1	171.5	133.6	120.2	132.0	140.4	171.5	174.8	174.0
37.5°	448.8	317.7	213.5	166.4	144.6	127.8	134.5	160.5	173.1	172.3	170.6
40°	466.5	312.7	200.9	163.1	143.7	128.6	143.7	161.4	168.9	164.7	160.5
42.5°	486.7	305.1	190.0	155.5	140.4	129.4	144.6	157.2	156.3	153.8	151.3
45°	512.7	296.7	177.4	148.8	138.7	127.8	142.0	146.3	152.1	150.5	148.8
47.5°	551.4	288.3	166.4	142.9	137.0	125.2	143.7	148.8	153.8	149.6	148.8
50°	608.5	276.5	157.2	141.2	136.2	132.8	132.0	153.0	157.2	147.1	145.4
52.5°	647.2	263.1	152.1	139.5	133.6	129.4	140.4	151.3	155.5	143.7	142.9
55°	673.3	243.8	147.9	139.5	132.0	121.9	152.1	154.7	154.7	141.2	139.5
57.5°	701.8	230.3	145.4	142.0	131.1	113.5	158.9	158.0	154.7	137.0	137.8
60°	743.0	221.9	142.9	144.6	131.1	116.0	156.3	165.6	154.7	139.5	144.6
62.5°	766.6	213.5	141.2	145.4	129.4	116.0	151.3	176.5	167.3	156.3	157.2
65°	733.8	202.6	136.2	144.6	126.9	118.5	146.3	180.7	179.0	174.0	174.8
67.5°	659.0	184.1	126.9	138.7	118.5	120.2	143.7	180.7	177.4	188.3	190.8
70°	575.8	162.2	113.5	128.6	112.6	118.5	149.6	174.8	174.8	195.0	199.2
72.5°	487.5	132.8	98.3	117.7	112.6	115.2	156.3	168.1	168.1	195.0	194.2
75°	400.1	105.9	82.4	100.9	104.2	115.2	155.5	160.5	156.3	178.2	174.0
77.5°	292.5	84.1	70.6	84.9	94.1	115.2	150.5	149.6	142.9	153.0	151.3
80°	179.9	66.4	59.7	72.3	79.0	110.1	142.0	136.2	124.4	129.4	127.8
82.5°	104.2	49.6	50.4	61.4	63.0	100.9	128.6	118.5	105.9	108.4	105.9
85°	67.2	31.9	39.5	47.1	49.6	82.4	110.1	100.0	85.7	110.9	105.9
87.5°	52.1	18.5	26.9	31.1	30.3	36.1	63.0	59.7	58.8	47.9	46.2
90°	48.8	16.0	26.9	26.9	21.9	17.7	24.4	25.2	21.0	22.7	20.2
92.5°	43.7	16.0	28.6	26.9	19.3	14.3	20.2	20.2	16.0	15.1	14.3
95°	36.1	14.3	30.3	27.7	17.7	12.6	16.8	16.0	12.6	11.8	10.9
97.5°	19.3	9.2	28.6	25.2	16.0	11.8	15.1	13.4	9.2	8.4	7.6
100°	6.7	5.9	27.7	21.9	13.4	9.2	10.9	10.1	5.9	5.0	4.2
102.5°	5.9	5.0	16.0	16.0	8.4	5.0	6.7	6.7	5.0	4.2	4.2
105°	6.7	5.0	5.9	8.4	4.2	2.5	3.4	4.2	4.2	5.0	5.0
107.5°	6.7	5.0	4.2	4.2	3.4	2.5	2.5	2.5	4.2	5.0	5.0
110°	5.9	5.0	3.4	4.2	3.4	2.5	2.5	2.5	4.2	5.9	5.9

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 CATALOG NUMBER: LXF.LXT-PA16-20-727-U-T2R-CL

**CANDELA DISTRIBUTION (continued):**

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