

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: P414180

Luminaire Tested: **LXF.LXT-PA1-20-727-U-T4W-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414180
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-13)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-20-727-U-T4W-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2268 lumens
Efficiency: N/A
Efficacy: 108.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B1 - U2 - G1

Input Watts (W): 21
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: 28.75 FT

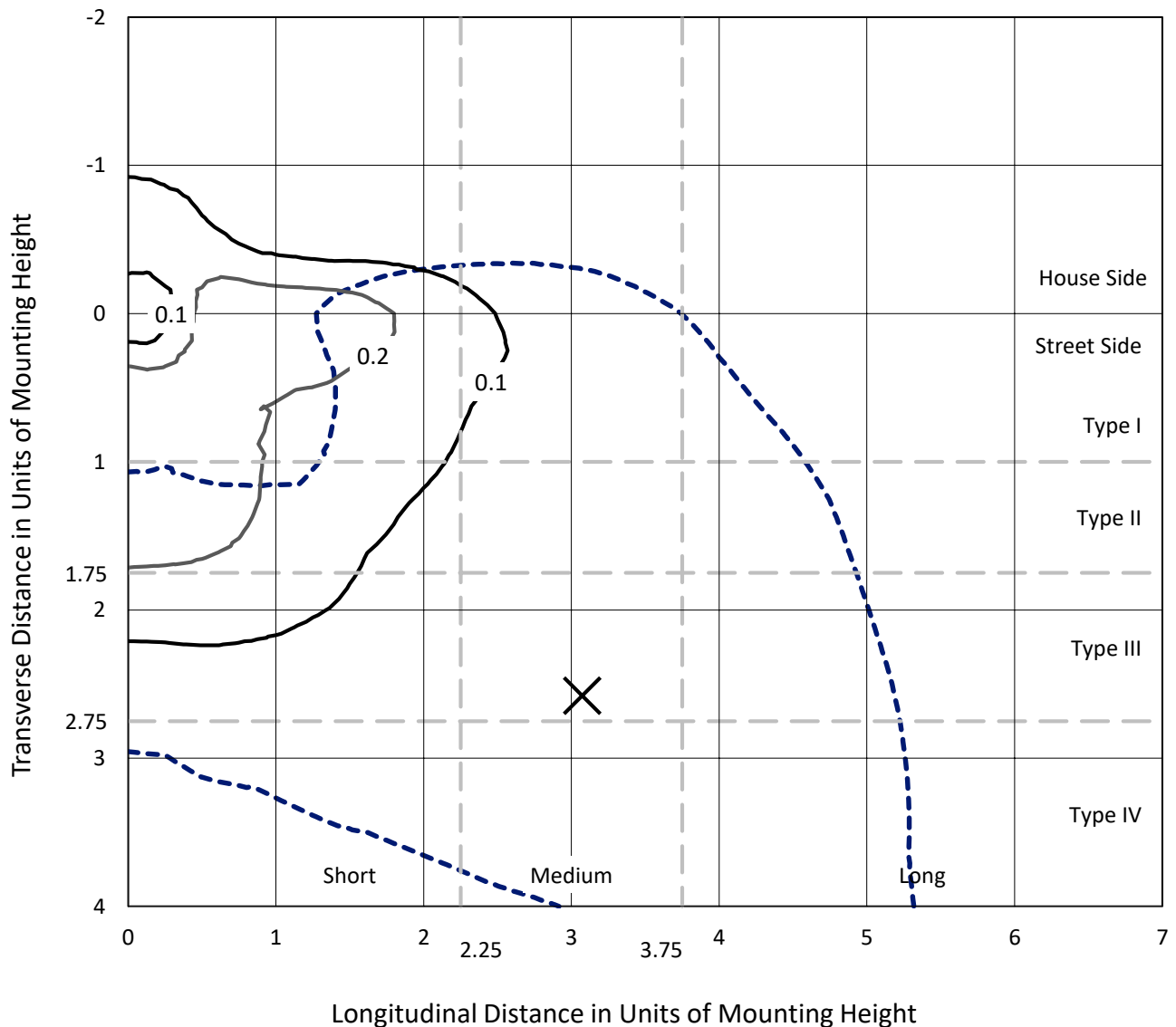


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

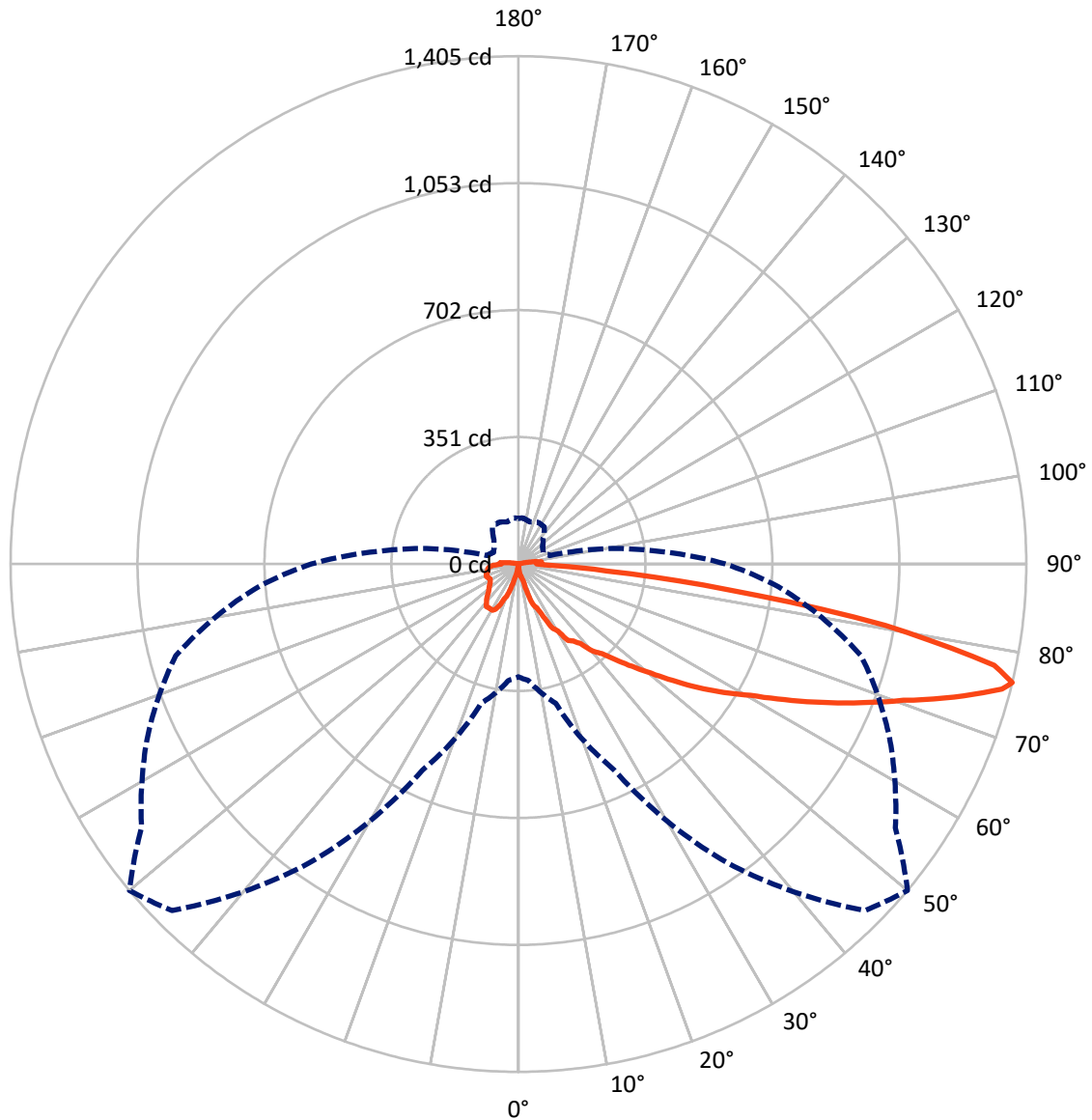


Based on 25 foot mounting height. Maximum calculated value = 0.4 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral - - - Horizontal Cone Through 76-Deg Vertical



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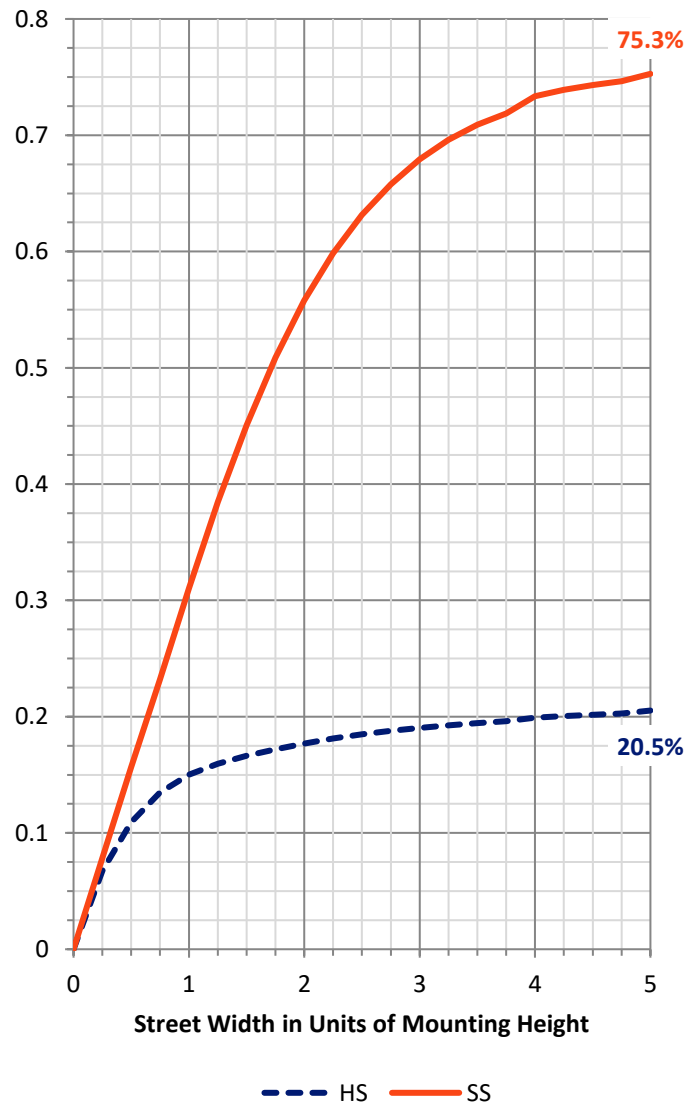
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	495.0	27.9	522.9
	% Fixture	21.8	1.2	23.1
Street Side	Lumens	1722.7	22.4	1745.1
	% Fixture	76.0	1.0	76.9
Total	Lumens	2217.7	50.3	2268.0
	% Fixture	97.8	2.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.3	0.1
10°-20°	18.9	0.8
20°-30°	74.0	3.3
30°-40°	159.2	7.0
40°-50°	259.5	11.4
50°-60°	417.7	18.4
60°-70°	608.4	26.8
70°-80°	542.8	23.9
80°-90°	136.0	6.0
90°-100°	39.8	1.8
100°-110°	5.9	0.3
110°-120°	1.7	0.1
120°-130°	1.2	0.1
130°-140°	0.8	0.0
140°-150°	0.7	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2217.7	97.8
0°-180°	2268.0	100.0



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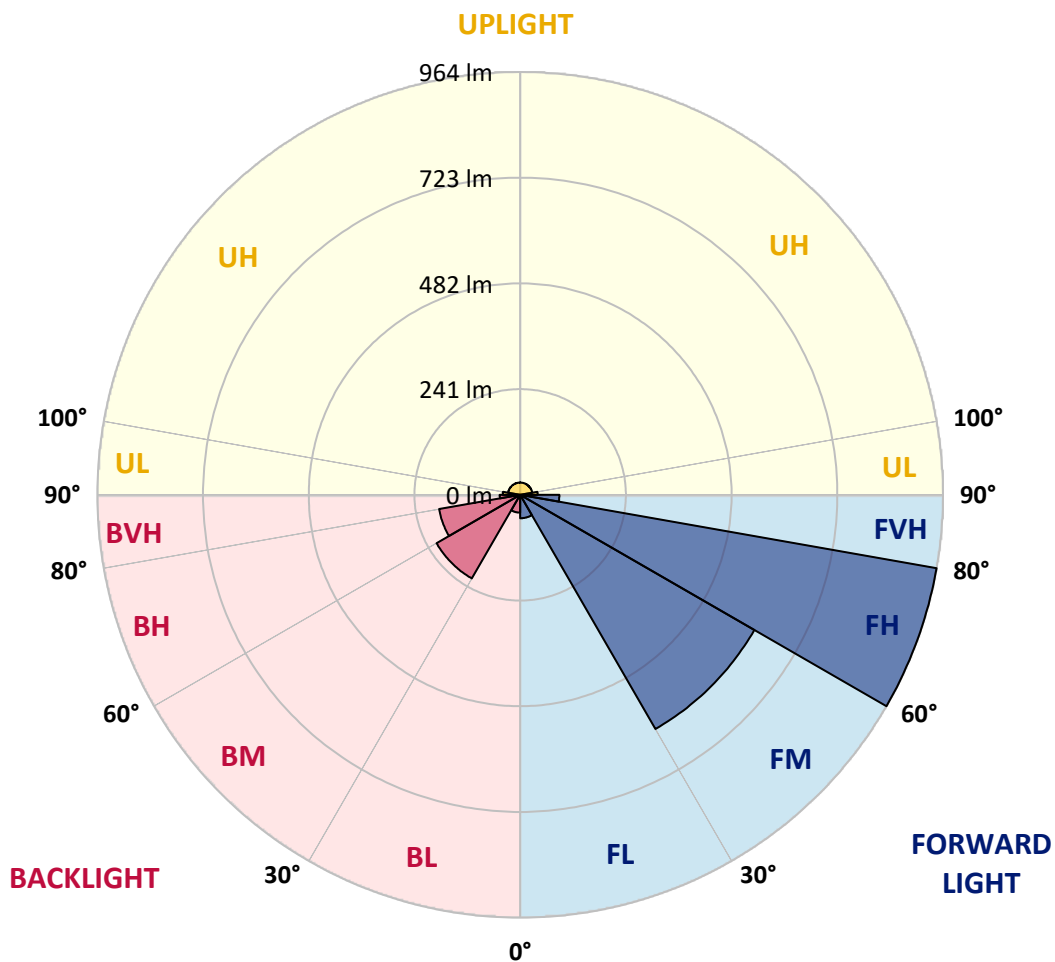
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	53.5	2.4			
FM	(30°-60°)	616.3	27.2			
FH	(60°-80°)	963.7	42.5			G1/1800
FVH	(80°-90°)	89.3	3.9			G1/100
BL	(0°-30°)	40.7	1.8	B0/110		
BM	(30°-60°)	220.1	9.7	B1/1000		
BH	(60°-80°)	187.5	8.3	B1/500		G1/500
BVH	(80°-90°)	46.7	2.1			G1/100
UL	(90°-100°)	39.8	1.8		U2/50	
UH	(100°-180°)	27.9	1.2		U2/50	

BUG Rating: B1-U2-G1

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
2.5°	3.3	2.5	2.3	2.0	2.0	1.8	1.8	1.5	1.5	1.5	1.5
5°	31.8	30.8	28.5	26.5	9.1	7.6	6.3	4.8	1.8	1.8	1.5
7.5°	38.1	37.3	35.8	34.8	33.3	31.0	28.5	13.4	5.3	2.0	1.8
10°	49.9	46.1	43.1	40.6	38.8	35.0	34.0	32.0	8.8	3.8	2.8
12.5°	89.2	87.2	84.2	57.2	47.1	40.3	38.8	37.1	28.7	13.6	24.4
15°	98.3	96.3	93.3	89.5	83.9	49.7	46.6	58.0	74.1	55.7	58.2
17.5°	115.4	114.4	106.4	97.3	91.7	97.5	97.8	88.7	84.2	73.6	67.0
20°	160.1	159.0	154.5	131.3	103.8	123.3	122.8	118.2	94.5	108.6	117.0
22.5°	166.6	165.3	161.3	155.0	164.3	135.1	131.8	131.8	139.4	147.7	137.6
25°	219.3	218.0	187.3	163.1	176.2	160.8	161.3	178.5	154.3	162.1	154.8
27.5°	229.1	227.4	224.8	208.7	185.5	203.7	200.9	191.6	200.6	223.8	216.0
30°	267.4	248.0	239.7	230.4	219.0	215.8	214.5	231.4	237.9	236.4	238.7
32.5°	310.3	309.5	301.5	245.8	247.8	231.9	252.3	259.9	249.8	287.1	311.0
35°	372.8	347.1	331.5	294.4	257.9	268.2	261.1	268.9	303.5	307.0	329.9
37.5°	468.6	467.1	431.3	324.9	297.4	274.5	279.5	301.2	323.9	328.9	359.9
40°	547.7	540.4	517.7	405.1	323.4	296.9	317.1	312.3	336.2	353.9	383.6
42.5°	606.4	613.3	600.4	468.8	375.6	332.5	338.5	332.2	354.4	387.4	417.7
45°	662.7	659.9	668.7	533.6	425.7	378.1	377.6	362.2	387.7	424.7	464.5
47.5°	708.5	704.5	713.6	603.9	483.4	419.4	423.0	403.0	427.5	471.3	534.1
50°	759.7	751.9	757.9	662.9	558.8	479.2	474.4	459.0	472.9	532.6	619.0
52.5°	821.2	815.7	804.8	721.6	636.4	540.7	534.6	519.7	534.9	608.7	713.1
55°	876.4	870.1	861.3	802.5	701.0	603.2	603.4	588.6	618.0	691.9	822.2
57.5°	933.9	930.8	935.4	893.0	793.2	668.5	670.0	660.9	713.8	777.3	937.9
60°	981.5	977.0	1002.2	985.5	875.1	743.1	737.0	746.8	811.6	866.6	1055.1
62.5°	999.7	1002.7	1050.3	1070.7	954.5	823.5	825.7	839.1	902.1	973.4	1168.0
65°	914.5	925.0	1058.1	1085.6	1043.0	912.7	923.5	921.3	994.9	1052.1	1263.3
67.5°	822.0	834.1	978.7	1089.4	1111.6	1017.6	1023.1	1000.7	1074.8	1101.2	1334.4
70°	756.4	765.7	884.7	1068.0	1153.7	1126.9	1129.5	1087.9	1132.7	1159.0	1331.9
72.5°	643.0	652.8	762.7	987.1	1179.9	1259.5	1259.5	1167.8	1179.6	1157.7	1176.1
75°	434.5	438.3	528.3	766.3	1112.1	1367.7	1380.8	1255.0	1163.5	1051.6	877.2
76°	312.0	323.6	399.0	629.1	1010.0	1355.3	1404.5	1272.6	1132.0	981.3	721.9
77.5°	165.3	175.9	235.4	402.8	819.2	1260.3	1345.2	1218.4	1032.2	842.4	533.9
80°	64.8	64.0	80.9	143.4	414.9	958.6	1029.4	898.1	698.2	488.0	253.6
82.5°	35.5	39.1	51.4	75.9	180.0	528.8	581.5	473.9	356.4	225.1	148.2
85°	22.7	23.2	30.2	46.9	111.2	222.8	244.7	202.9	166.9	138.1	105.4
87.5°	13.6	14.1	15.9	21.7	54.9	65.5	71.6	84.2	95.8	95.0	91.0
90°	9.3	9.3	7.8	8.6	25.7	52.4	50.4	53.7	48.9	62.0	87.7
92.5°	9.1	9.1	7.6	7.8	21.9	58.2	58.5	58.2	51.7	63.3	92.3
95°	8.1	8.3	6.6	6.8	16.1	54.4	64.0	62.0	52.2	63.8	92.0
97.5°	6.8	7.1	5.0	5.8	10.8	36.8	47.6	48.6	32.5	32.3	41.6
100°	5.0	5.3	3.5	4.5	6.6	16.9	25.5	23.9	16.1	8.8	5.8
102.5°	4.8	5.0	3.0	3.5	4.0	5.8	9.3	7.1	6.0	5.0	5.0
105°	5.3	5.3	2.8	2.5	2.5	2.8	2.3	3.3	3.5	3.8	5.3
107.5°	4.5	4.8	2.0	2.0	1.8	1.8	1.5	1.5	2.0	3.3	5.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
110°	3.5	3.5	1.8	1.8	1.3	1.5	1.5	1.3	1.8	2.5	4.5
112.5°	2.0	2.3	1.0	1.5	1.0	1.3	1.3	1.0	1.5	1.8	2.5
115°	2.0	2.0	1.0	0.8	0.8	0.8	1.0	1.0	1.3	1.8	2.8
117.5°	2.0	2.0	1.0	0.8	0.5	0.8	0.8	0.8	1.3	1.8	2.8
120°	2.0	2.0	1.0	0.5	0.5	0.5	0.5	0.8	1.3	1.8	2.8
122.5°	2.3	2.0	1.0	0.5	0.5	0.5	0.5	0.8	1.3	1.8	2.5
125°	2.3	2.0	1.0	0.5	0.5	0.5	0.5	0.8	1.0	1.5	2.3
127.5°	2.3	2.0	1.0	0.5	0.5	0.5	0.5	0.8	1.0	1.5	2.0
130°	2.0	2.0	1.0	0.5	0.5	0.5	0.5	0.8	1.0	1.5	2.0
132.5°	2.0	1.8	1.0	0.5	0.5	0.5	0.5	0.8	1.0	1.3	1.8
135°	1.8	1.5	1.0	0.5	0.8	0.5	0.8	0.8	1.0	1.3	1.5
137.5°	1.5	1.5	1.0	0.8	0.8	0.8	0.8	0.8	1.0	1.3	1.3
140°	1.8	1.5	1.0	1.0	0.8	0.8	0.8	0.8	1.0	1.3	1.3
142.5°	2.0	1.8	1.3	1.0	1.0	0.8	0.8	1.0	1.0	1.3	1.3
145°	2.0	2.0	1.5	1.3	0.8	0.8	0.8	1.0	1.3	1.3	1.5
147.5°	2.3	2.0	1.5	1.3	0.8	0.5	0.8	0.8	1.3	1.5	1.5
150°	2.0	2.0	1.3	1.0	0.5	0.3	0.5	0.8	1.3	1.5	1.5
152.5°	1.5	1.5	1.0	0.5	0.3	0.3	0.5	0.8	1.0	1.3	1.5
155°	1.0	1.0	0.5	0.3	0.0	0.3	0.3	0.5	0.8	1.0	1.3
157.5°	0.5	0.5	0.3	0.0	0.0	0.3	0.3	0.5	0.8	1.0	1.0
160°	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.5	0.5	0.8	0.8
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°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
2.5°	1.5	1.3	1.3	1.0	1.0	0.8	0.8	0.8	0.8	1.0	1.3
5°	1.5	1.5	1.3	1.3	1.3	1.0	1.0	1.5	1.8	2.0	2.0
7.5°	1.5	1.5	1.5	1.3	1.5	2.0	8.1	23.2	25.5	27.0	27.5
10°	2.8	2.5	2.3	2.0	3.8	25.7	31.8	34.5	35.8	37.1	37.1
12.5°	26.5	26.5	10.8	6.0	26.0	34.5	36.3	38.3	40.1	41.8	42.1
15°	57.5	56.7	54.7	50.2	43.4	39.1	40.8	60.5	71.1	75.9	75.1
17.5°	65.8	64.8	63.5	72.3	75.4	60.2	70.3	78.1	80.4	82.9	82.7
20°	122.0	120.7	94.0	84.2	82.4	101.1	80.4	82.2	86.2	109.9	110.7
22.5°	136.6	135.1	125.8	128.3	96.3	109.6	106.1	111.2	124.0	127.8	128.3
25°	160.1	154.0	142.7	134.1	136.4	114.4	132.1	123.8	128.5	133.1	133.8
27.5°	221.6	218.0	197.9	150.2	139.1	143.2	137.6	134.6	160.8	170.4	171.1
30°	238.7	235.2	210.0	173.9	146.7	146.7	138.6	167.9	169.1	174.2	175.4
32.5°	324.4	317.3	266.9	176.7	152.2	140.1	157.0	165.3	185.5	200.6	203.2
35°	344.3	338.3	275.5	201.9	147.2	145.9	148.2	174.2	189.0	198.1	200.1
37.5°	365.0	358.2	274.5	192.3	156.0	139.1	144.2	162.8	184.3	207.7	210.7
40°	393.2	384.9	275.7	180.0	146.2	131.6	135.4	156.3	170.9	185.5	188.0
42.5°	431.0	414.4	278.0	168.9	134.8	128.3	129.1	141.2	148.0	154.0	154.0
45°	481.9	455.0	278.8	157.3	123.5	120.7	121.7	127.3	129.8	126.0	124.3
47.5°	550.2	505.1	288.1	146.9	113.9	112.4	113.2	114.9	113.7	103.8	102.1
50°	629.9	564.1	293.1	137.9	106.9	106.6	105.4	105.4	100.8	89.7	89.0
52.5°	717.9	634.4	297.4	126.8	101.8	103.1	103.1	97.8	91.0	82.2	81.4
55°	829.5	715.6	303.7	117.2	97.5	97.3	100.1	93.5	86.5	78.9	78.9
57.5°	940.4	801.5	311.3	108.9	92.8	93.3	97.3	92.0	88.2	85.2	84.9
60°	1051.3	890.3	299.2	101.3	91.0	90.0	96.5	97.8	93.3	95.0	96.8
62.5°	1155.4	947.0	250.5	94.8	87.7	89.2	103.1	110.9	109.4	107.6	108.1
65°	1204.6	958.6	203.2	89.0	85.4	94.5	113.7	125.5	120.5	114.7	114.2
67.5°	1212.9	928.6	149.5	85.4	84.2	103.8	122.0	128.8	121.2	119.0	117.0
70°	1154.4	852.5	119.5	81.7	85.2	105.4	127.3	128.0	122.5	125.0	122.5
72.5°	981.8	710.0	104.6	78.1	85.4	101.6	127.3	128.3	122.0	129.3	128.0
75°	703.0	497.8	93.0	75.1	82.7	97.3	125.5	128.0	120.5	128.5	126.5
76°	572.7	395.0	89.7	75.9	81.4	95.8	125.0	127.3	120.7	128.0	126.0
77.5°	378.3	258.1	84.2	75.4	79.1	95.0	123.8	126.3	120.5	126.5	124.5
80°	202.4	146.2	75.9	70.3	76.4	95.5	122.8	123.8	115.7	122.5	120.0
82.5°	133.3	108.9	65.5	63.8	73.6	96.3	122.2	120.7	111.7	122.5	115.7
85°	104.6	90.0	49.2	51.2	67.0	93.0	120.7	116.4	108.1	111.2	107.1
87.5°	88.7	74.1	29.5	36.5	58.7	79.1	107.1	96.3	91.5	94.5	92.8
90°	83.4	65.5	16.6	25.7	44.1	52.7	67.6	62.8	60.7	64.3	63.5
92.5°	84.2	64.0	16.4	24.4	47.1	56.7	69.8	64.3	58.2	58.2	57.5
95°	80.4	59.7	16.1	19.4	42.6	55.2	65.5	57.7	46.9	44.6	43.9
97.5°	35.0	29.0	15.1	14.9	24.4	38.1	47.6	41.3	31.0	24.2	24.2
100°	5.8	9.3	13.1	14.4	14.4	20.2	27.0	25.5	14.9	7.8	8.1
102.5°	6.0	5.3	9.1	11.8	9.3	8.3	12.4	15.4	9.8	3.0	3.3
105°	6.3	5.5	4.5	8.3	5.3	2.8	3.8	7.1	4.5	3.0	3.0
107.5°	6.8	5.8	2.8	3.0	2.3	2.3	2.0	1.8	2.3	3.0	3.3



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CATALOG NUMBER: LXF.LXT-PA1-20-727-U-T4W-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	5.3	4.8	2.5	2.3	2.0	2.3	1.5	1.5	1.8	3.0	3.3
112.5°	3.0	3.0	2.3	1.8	1.8	2.0	1.3	1.3	1.8	3.3	3.3
115°	3.0	3.0	2.0	1.5	1.3	1.5	1.3	1.0	1.8	3.3	3.5
117.5°	3.0	3.0	2.0	1.5	1.3	1.0	1.0	1.0	1.8	3.3	3.5
120°	3.0	2.8	1.8	1.3	1.3	0.8	0.8	0.8	1.5	3.3	3.5
122.5°	2.8	2.8	1.8	1.3	1.0	0.8	0.8	0.8	1.5	3.0	3.3
125°	2.5	2.5	1.8	1.3	1.0	0.8	0.5	0.8	1.5	2.8	3.0
127.5°	2.3	2.3	1.5	1.3	1.0	0.8	0.5	0.8	1.5	2.8	3.0
130°	2.0	2.0	1.5	1.0	1.0	0.5	0.5	0.5	1.5	2.5	2.8
132.5°	1.8	1.8	1.3	1.0	0.8	0.5	0.3	0.5	1.3	2.3	2.3
135°	1.5	1.5	1.3	1.0	0.8	0.5	0.3	0.5	1.0	1.8	2.0
137.5°	1.3	1.3	1.0	1.0	0.8	0.5	0.3	0.5	0.8	1.5	1.5
140°	1.3	1.3	1.0	1.0	0.8	0.5	0.3	0.5	0.8	1.3	1.5
142.5°	1.3	1.3	1.0	1.0	0.8	0.5	0.3	0.5	0.8	1.3	1.5
145°	1.5	1.3	1.3	1.0	0.8	0.5	0.3	0.5	1.0	1.5	1.5
147.5°	1.5	1.5	1.3	1.0	0.8	0.5	0.3	0.5	1.0	1.5	1.5
150°	1.5	1.5	1.3	1.0	0.8	0.3	0.0	0.3	0.8	1.3	1.5
152.5°	1.5	1.3	1.0	0.8	0.5	0.3	0.0	0.0	0.5	1.0	1.0
155°	1.3	1.0	1.0	0.8	0.5	0.3	0.0	0.0	0.3	0.5	0.5
157.5°	1.0	1.0	0.8	0.5	0.3	0.3	0.0	0.0	0.0	0.3	0.3
160°	0.8	0.8	0.5	0.5	0.3	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)