

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: P415264

Luminaire Tested: **LXF.LXT-PA1-40-827-U-T3-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415264
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-17)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-40-827-U-T3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3423 lumens
Efficiency: N/A
Efficacy: 85.6 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 - U3 - G3

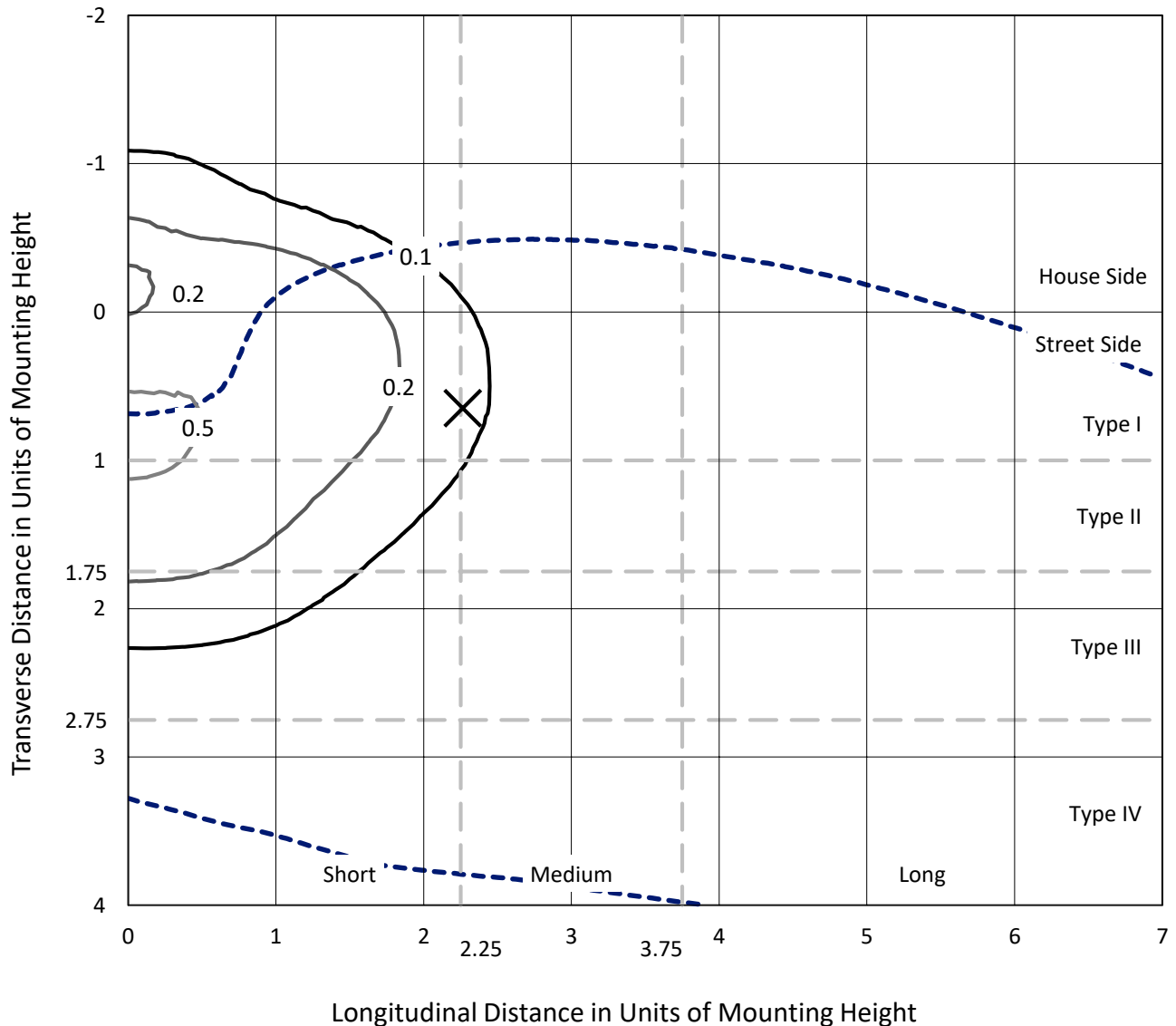
Input Watts (W): 40
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

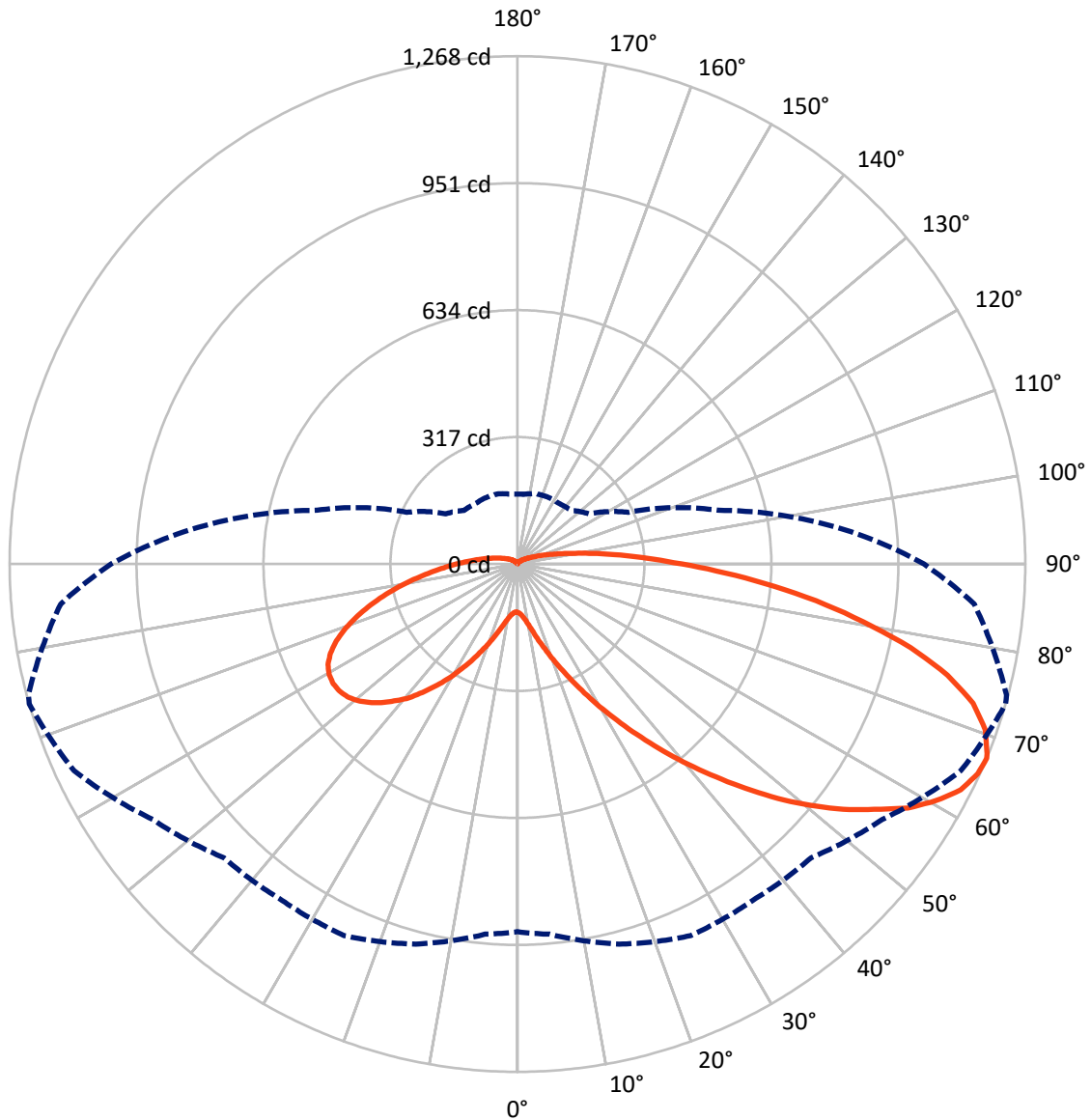
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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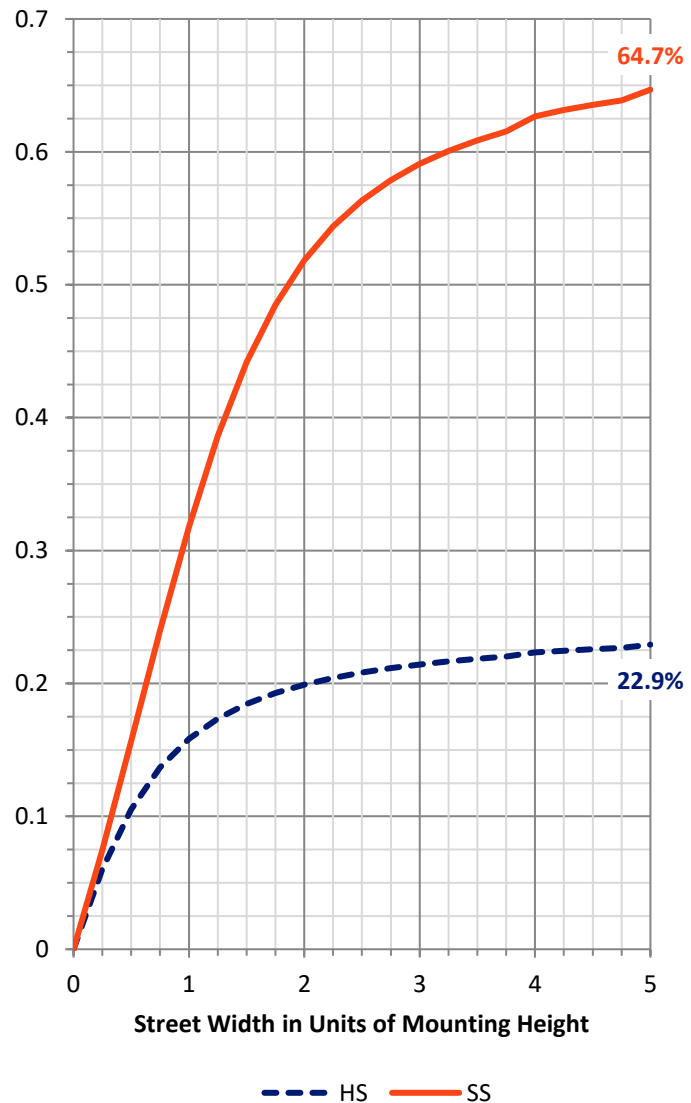
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	825.1	102.0	927.2
	% Fixture	24.1	3.0	27.1
Street Side	Lumens	2318.2	177.7	2495.8
	% Fixture	67.7	5.2	72.9
Total	Lumens	3143.3	279.7	3423.0
	% Fixture	91.8	8.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.7	0.4
10°-20°	52.5	1.5
20°-30°	133.0	3.9
30°-40°	266.8	7.8
40°-50°	447.8	13.1
50°-60°	628.3	18.4
60°-70°	702.2	20.5
70°-80°	572.9	16.7
80°-90°	327.0	9.6
90°-100°	149.5	4.4
100°-110°	68.4	2.0
110°-120°	33.7	1.0
120°-130°	17.1	0.5
130°-140°	8.0	0.2
140°-150°	2.6	0.1
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3143.3	91.8
0°-180°	3423.0	100.0



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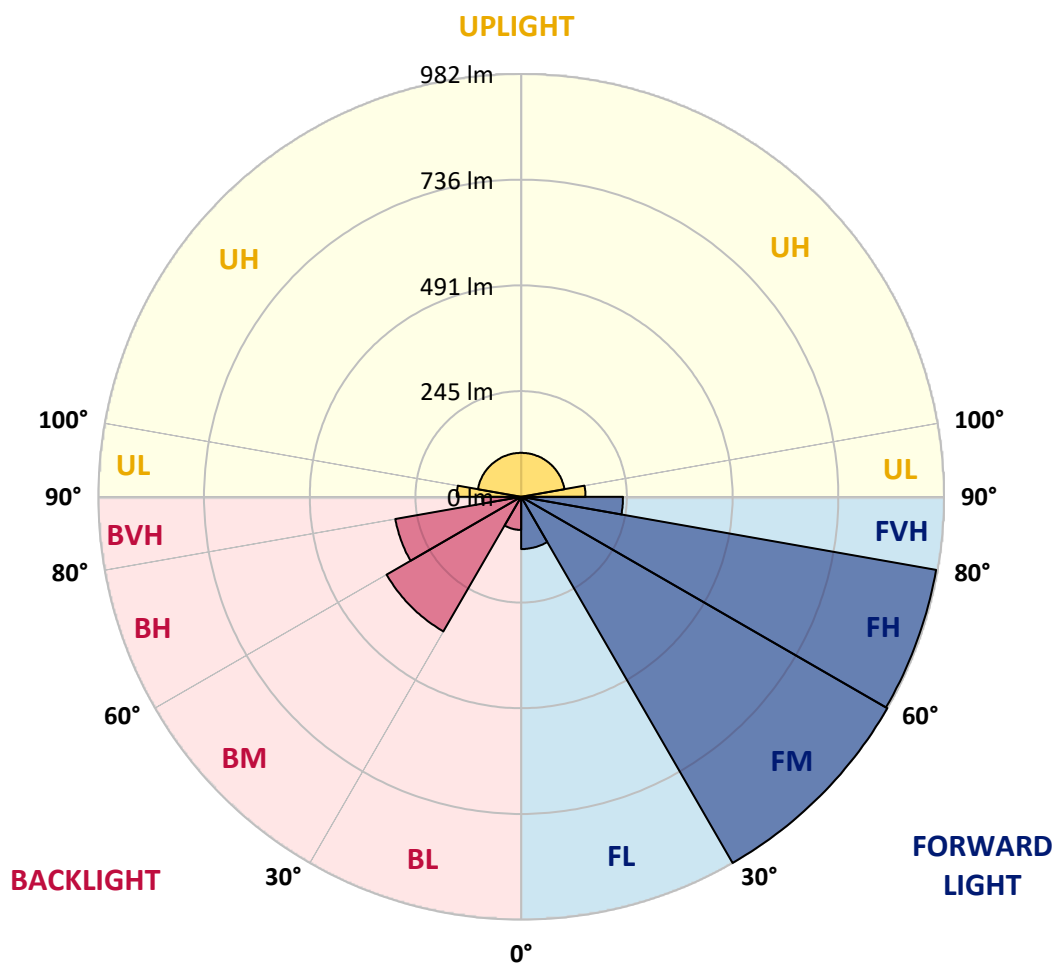
CATALOG NUMBER: LXF.LXT-PA1-40-827-U-T3-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	121.3	3.5			
FM	(30°-60°)	982.0	28.7			
FH	(60°-80°)	978.4	28.6			G1/1800
FVH	(80°-90°)	236.5	6.9			G3/500
BL	(0°-30°)	76.9	2.2	B0/110		
BM	(30°-60°)	361.0	10.5	B1/1000		
BH	(60°-80°)	296.7	8.7	B1/500		G1/500
BVH	(80°-90°)	90.6	2.6			G1/100
UL	(90°-100°)	149.5	4.4		U3/500	
UH	(100°-180°)	102.0	3.0		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°	74°	75°	85°
0°	120.7	120.7	120.7	120.7	120.7	120.7	120.7	120.7	120.7	120.7	120.7
2.5°	131.2	130.4	130.4	129.6	129.2	127.6	126.4	124.8	124.0	123.6	122.4
5°	143.3	142.1	142.1	141.3	139.7	137.7	134.8	133.2	130.4	130.8	127.2
7.5°	157.8	157.4	156.6	155.0	152.9	150.5	147.7	144.1	140.9	140.9	136.4
10°	177.1	174.7	174.7	172.7	170.7	167.0	163.0	159.0	154.6	154.2	148.1
12.5°	200.4	200.0	197.6	194.8	191.6	188.0	181.5	177.5	173.1	172.7	166.2
15°	227.8	226.6	223.4	222.2	217.3	210.9	205.7	201.7	197.2	195.6	187.2
17.5°	260.0	258.4	257.2	251.2	247.1	241.9	235.9	230.6	223.0	222.2	212.9
20°	297.8	294.2	290.6	285.8	279.3	274.5	268.1	263.2	254.4	254.4	241.9
22.5°	337.7	336.9	333.7	325.6	316.8	311.9	305.9	296.2	289.0	287.0	273.3
25°	386.0	385.2	378.8	370.3	361.0	353.8	344.1	333.7	327.6	327.2	311.9
27.5°	440.7	441.9	430.7	419.8	407.3	395.7	385.2	380.0	371.9	370.7	353.0
30°	506.7	501.5	489.8	474.1	456.8	441.9	431.1	425.8	420.6	420.2	398.9
32.5°	574.0	567.9	557.9	536.1	512.0	489.0	483.8	479.4	473.3	470.1	448.8
35°	648.4	643.6	629.1	600.5	568.3	543.4	532.5	533.3	530.5	528.9	503.1
37.5°	730.5	722.1	702.4	674.6	627.1	600.1	587.6	594.5	592.9	589.7	562.7
40°	807.8	806.6	785.7	742.6	694.7	656.5	648.0	659.7	657.7	653.7	623.9
42.5°	897.2	888.3	865.0	816.7	758.7	716.4	707.2	724.5	726.9	727.7	687.9
45°	973.6	969.6	947.5	891.9	825.1	779.2	771.6	790.1	798.2	799.0	755.1
47.5°	1048.1	1046.5	1024.0	966.4	889.9	841.2	831.2	857.7	874.6	871.0	819.1
50°	1104.1	1106.9	1088.8	1034.0	954.3	896.4	898.8	931.4	947.1	945.1	887.5
52.5°	1151.9	1147.9	1140.3	1088.4	1005.4	952.3	955.1	994.2	1017.5	1016.3	952.3
55°	1169.7	1168.5	1169.3	1127.0	1047.3	998.2	1006.6	1061.8	1081.1	1078.7	1005.0
57.5°	1166.0	1165.2	1177.7	1149.9	1081.1	1034.4	1053.7	1117.3	1149.1	1145.9	1060.6
60°	1138.7	1135.0	1162.0	1151.9	1094.8	1057.0	1090.8	1166.0	1200.2	1199.4	1106.1
62.5°	1077.1	1082.7	1120.2	1129.4	1090.8	1068.6	1112.9	1203.9	1242.1	1239.3	1138.7
65°	991.4	1005.4	1050.5	1082.7	1063.4	1058.2	1121.0	1220.8	1263.0	1262.6	1150.3
67°	918.1	927.8	982.5	1023.6	1024.8	1036.8	1111.7	1221.2	1267.9	1264.2	1144.7
67.5°	892.3	905.2	960.8	1010.7	1015.9	1030.8	1108.1	1220.4	1264.6	1262.6	1141.9
70°	775.6	790.5	851.3	914.1	946.3	978.5	1075.1	1197.8	1238.9	1234.5	1109.3
72.5°	657.3	678.2	735.8	810.2	857.3	910.4	1017.9	1141.5	1189.8	1180.5	1045.7
75°	543.8	557.9	613.8	694.3	755.5	827.5	939.8	1065.4	1108.9	1101.2	964.8
77.5°	433.5	446.4	500.3	581.2	650.4	731.3	848.5	970.0	1003.8	999.4	862.1
80°	342.1	351.4	403.3	475.3	546.6	633.1	744.2	852.9	875.0	878.2	749.0
82.5°	263.2	275.3	320.4	384.0	451.2	533.7	630.3	726.5	751.1	743.0	633.1
85°	201.2	211.3	251.6	305.5	372.7	442.3	528.5	607.4	618.2	609.0	513.2
87.5°	157.4	165.0	196.4	248.7	302.3	361.8	430.7	491.0	496.7	495.1	411.0
90°	122.0	128.8	155.0	196.4	245.5	296.6	350.6	392.8	390.0	392.4	324.0
92.5°	95.8	99.4	123.2	159.8	200.8	241.9	283.0	311.1	310.7	303.9	252.8
95°	77.7	79.7	100.2	130.8	163.8	196.4	227.0	245.1	244.3	237.1	197.2
97.5°	62.8	64.0	81.7	107.5	135.2	160.6	182.7	195.6	189.2	186.4	154.6
100°	51.5	52.3	67.6	89.8	112.7	134.4	150.1	155.4	146.5	144.9	121.6
102.5°	43.9	44.3	57.2	76.1	94.2	110.7	122.4	124.8	114.3	115.1	95.8
105°	37.4	37.8	47.9	64.8	80.1	92.6	101.0	99.8	91.4	90.2	76.5
107.5°	32.6	33.0	41.1	55.5	68.8	79.3	83.7	80.9	73.3	71.6	61.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	28.6	29.0	35.4	47.5	59.2	68.0	70.4	66.0	59.2	57.6	50.7
112.5°	25.8	25.8	31.0	41.1	51.5	58.8	59.6	55.1	47.5	46.7	42.3
115°	23.3	23.3	27.4	35.4	44.7	50.3	50.3	45.1	39.0	38.6	35.4
117.5°	21.3	21.3	24.1	31.0	38.6	43.5	42.7	37.8	32.6	32.2	30.6
120°	19.7	19.7	21.7	27.0	33.4	37.0	36.2	31.4	27.4	27.0	26.2
122.5°	18.1	18.5	19.7	23.7	29.0	31.8	31.0	27.0	23.3	22.9	22.9
125°	16.9	16.9	17.7	20.5	25.0	27.4	26.2	22.1	19.7	19.7	19.7
127.5°	15.7	15.7	16.1	18.1	21.3	22.9	21.7	18.5	17.3	16.9	17.3
130°	14.5	14.5	14.9	15.7	18.1	18.9	17.7	15.7	14.5	14.5	14.9
132.5°	13.3	13.3	13.3	13.7	14.9	15.7	14.5	12.9	12.5	12.5	12.9
135°	12.1	12.5	12.1	12.1	12.5	12.5	11.3	10.5	10.5	10.9	11.3
137.5°	10.9	10.9	10.5	10.1	10.1	9.7	8.9	8.5	8.9	8.9	9.3
140°	9.7	9.7	9.3	8.5	7.6	7.2	6.8	6.4	7.2	7.2	7.6
142.5°	8.5	8.5	7.6	6.8	5.6	4.8	4.4	4.8	5.6	5.6	6.0
145°	6.8	6.8	6.4	5.6	4.0	3.2	2.8	3.6	4.0	4.0	4.4
147.5°	5.6	5.2	4.8	4.0	2.8	2.0	1.6	2.4	2.8	2.8	3.2
150°	4.0	4.0	3.6	2.8	1.6	0.8	0.8	1.2	1.6	1.6	2.0
152.5°	2.8	2.8	2.4	1.6	0.8	0.0	0.4	0.8	0.8	0.8	1.2
155°	1.6	1.6	1.6	1.2	0.4	0.0	0.0	0.4	0.4	0.4	0.8
157.5°	0.8	0.8	0.8	0.8	0.4	0.0	0.0	0.0	0.4	0.4	0.4
160°	0.4	0.4	0.8	0.4	0.4	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°	120.7	120.7	120.7	120.7	120.7	120.7	120.7	120.7	120.7	120.7	120.7
2.5°	121.6	120.7	119.9	118.7	117.9	117.1	116.3	115.9	115.9	115.5	115.9
5°	126.0	124.8	122.4	120.3	117.9	116.3	114.7	113.9	113.1	112.7	112.7
7.5°	134.0	132.4	128.4	124.8	121.2	118.3	116.3	114.3	113.5	113.1	113.1
10°	145.7	143.3	137.3	132.0	126.8	123.2	119.5	117.5	116.3	115.5	115.5
12.5°	162.2	158.2	150.5	141.7	134.8	130.0	125.6	123.6	123.2	123.2	123.2
15°	184.3	178.7	167.0	156.6	146.5	138.1	134.8	134.8	134.4	134.0	134.4
17.5°	207.3	200.8	186.4	173.1	160.6	152.1	146.9	145.7	145.3	144.9	145.3
20°	234.7	226.6	209.7	191.6	175.9	167.8	160.6	157.4	157.0	157.4	156.6
22.5°	265.6	256.8	231.8	210.1	192.8	181.5	173.1	168.6	169.5	169.5	169.0
25°	303.1	289.4	260.0	230.6	209.7	194.0	184.3	179.9	180.3	181.1	181.9
27.5°	340.9	325.2	287.8	252.0	224.6	206.5	195.2	190.4	190.0	192.4	192.0
30°	385.2	365.1	318.4	273.7	238.3	215.3	203.7	199.6	199.2	201.2	201.7
32.5°	432.7	407.7	350.2	295.4	250.4	223.0	209.7	206.9	206.1	208.1	208.5
35°	484.6	452.8	381.2	314.4	260.4	228.2	214.5	211.3	210.1	212.1	212.9
37.5°	534.9	497.9	413.0	331.3	268.5	231.4	216.5	214.1	212.5	213.7	214.1
40°	588.0	548.6	445.2	346.6	273.3	233.0	217.3	214.9	213.3	213.3	213.3
42.5°	646.4	595.3	471.3	357.4	276.1	232.6	216.5	213.7	211.7	210.1	210.1
45°	706.4	645.6	498.3	366.3	276.5	230.6	214.5	212.1	208.9	205.7	205.3
47.5°	764.7	691.1	522.0	371.1	275.3	227.8	211.7	208.5	205.7	200.8	200.8
50°	821.5	736.6	541.8	373.5	271.7	224.6	208.9	205.7	202.1	195.6	194.8
52.5°	873.4	778.0	556.7	372.7	266.5	220.2	205.3	202.5	198.0	190.4	190.4
55°	924.5	816.3	565.9	367.5	260.0	215.3	202.1	199.2	194.4	186.4	185.6
57.5°	966.4	843.6	569.5	359.4	252.8	210.1	198.8	196.0	191.6	182.7	182.7
60°	1001.8	866.6	567.1	349.0	244.7	205.3	194.8	193.2	189.2	180.7	180.7
62.5°	1022.3	875.8	557.9	335.7	235.5	200.0	191.2	190.4	186.8	178.7	178.7
65°	1026.8	869.8	538.9	319.2	226.2	194.0	187.2	186.8	184.3	176.7	175.9
67°	1014.7	854.1	518.0	305.1	218.2	189.2	183.5	183.5	181.5	174.7	174.3
67.5°	1010.3	848.1	512.4	301.5	216.5	188.4	182.7	183.1	181.1	174.3	173.1
70°	971.6	807.4	477.8	280.9	205.3	181.1	177.5	177.9	176.3	171.1	169.9
72.5°	911.7	749.0	437.1	261.2	194.0	173.9	170.3	171.9	170.3	166.2	163.8
75°	830.8	677.8	394.9	238.7	182.7	165.0	162.6	163.4	163.0	159.0	157.0
77.5°	735.4	599.3	349.8	217.8	170.3	156.2	153.8	155.0	154.2	150.5	148.1
80°	631.9	516.4	306.3	196.8	157.4	146.1	143.7	144.1	143.7	140.1	136.8
82.5°	530.5	435.1	262.0	176.3	144.9	135.2	132.4	132.0	131.2	127.2	124.8
85°	437.9	357.4	223.8	156.6	132.0	123.2	120.7	119.1	117.9	113.5	111.9
87.5°	349.0	292.2	189.2	139.7	119.1	111.9	108.7	105.9	103.8	99.8	98.2
90°	278.5	235.5	161.4	122.4	107.5	101.0	96.6	93.0	90.6	86.1	83.7
92.5°	221.0	187.6	135.6	107.5	96.2	90.6	86.5	82.1	78.9	73.3	72.0
95°	175.1	150.9	114.3	94.2	85.3	80.5	76.9	72.0	67.6	62.0	60.8
97.5°	138.5	123.2	96.2	82.5	75.3	71.2	67.6	62.8	58.0	52.3	51.5
100°	110.7	99.0	82.5	72.0	67.2	63.2	59.6	55.1	49.1	43.5	43.5
102.5°	89.0	81.3	69.2	63.2	59.2	55.9	52.7	48.3	41.9	35.8	35.8
105°	72.0	67.2	59.6	55.1	52.3	49.9	46.7	41.5	35.0	30.2	30.2
107.5°	59.2	55.5	51.1	47.9	46.3	43.9	41.1	35.8	29.8	25.4	25.4



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CATALOG NUMBER: LXF.LXT-PA1-40-827-U-T3-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	49.1	46.7	43.5	42.3	41.1	39.0	35.8	31.0	25.0	21.7	21.7
112.5°	41.1	39.8	37.4	37.0	36.2	34.6	31.4	26.6	20.9	18.9	18.9
115°	35.0	34.2	32.6	32.6	31.8	30.6	27.4	22.9	18.1	16.1	16.5
117.5°	29.8	29.4	28.6	28.6	28.2	27.0	23.7	19.7	15.3	14.5	14.5
120°	26.2	25.8	25.4	25.0	25.0	23.3	20.5	16.5	13.3	12.9	12.9
122.5°	22.5	22.5	22.1	22.1	21.7	20.1	17.7	14.1	11.7	11.3	11.3
125°	19.7	19.7	19.3	19.3	18.9	17.7	15.3	12.1	10.1	10.1	10.1
127.5°	17.3	17.3	16.9	16.9	16.5	14.9	12.9	10.1	8.9	8.9	9.3
130°	15.3	15.3	14.9	14.5	14.1	12.9	10.5	8.5	7.6	8.0	8.0
132.5°	13.3	12.9	12.9	12.5	11.7	10.5	8.9	7.2	6.8	7.2	7.2
135°	11.3	11.3	10.9	10.5	9.7	8.9	7.2	6.0	6.0	6.4	6.4
137.5°	9.7	9.7	9.3	8.5	8.0	6.8	5.6	4.8	5.2	5.6	5.6
140°	7.6	8.0	7.6	6.8	6.0	5.2	4.4	4.0	4.4	4.8	5.2
142.5°	6.4	6.4	6.0	5.2	4.4	3.6	3.2	3.2	4.0	4.4	4.4
145°	4.8	4.8	4.4	4.0	2.8	2.4	2.0	2.8	3.2	3.6	3.6
147.5°	3.2	3.2	3.2	2.4	1.6	1.2	1.2	2.0	2.8	2.8	2.8
150°	2.0	2.0	2.0	1.6	0.8	0.4	0.8	1.6	2.0	2.4	2.4
152.5°	1.2	1.2	1.2	0.8	0.4	0.0	0.4	1.2	1.6	1.6	1.6
155°	0.8	0.8	0.8	0.4	0.4	0.0	0.4	0.8	1.2	1.2	1.2
157.5°	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.8	0.8	0.8	0.8
160°	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.8	0.4	0.4
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)