

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: P414308

Luminaire Tested: **LXF.LXT-PA1-20-750-U-T2R-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414308
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-3)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-20-750-U-T2R-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2545.9 lumens
Efficiency: N/A
Efficacy: 121.2 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Medium - Non-Cutoff
BUG Rating: B1 - U2 - G1

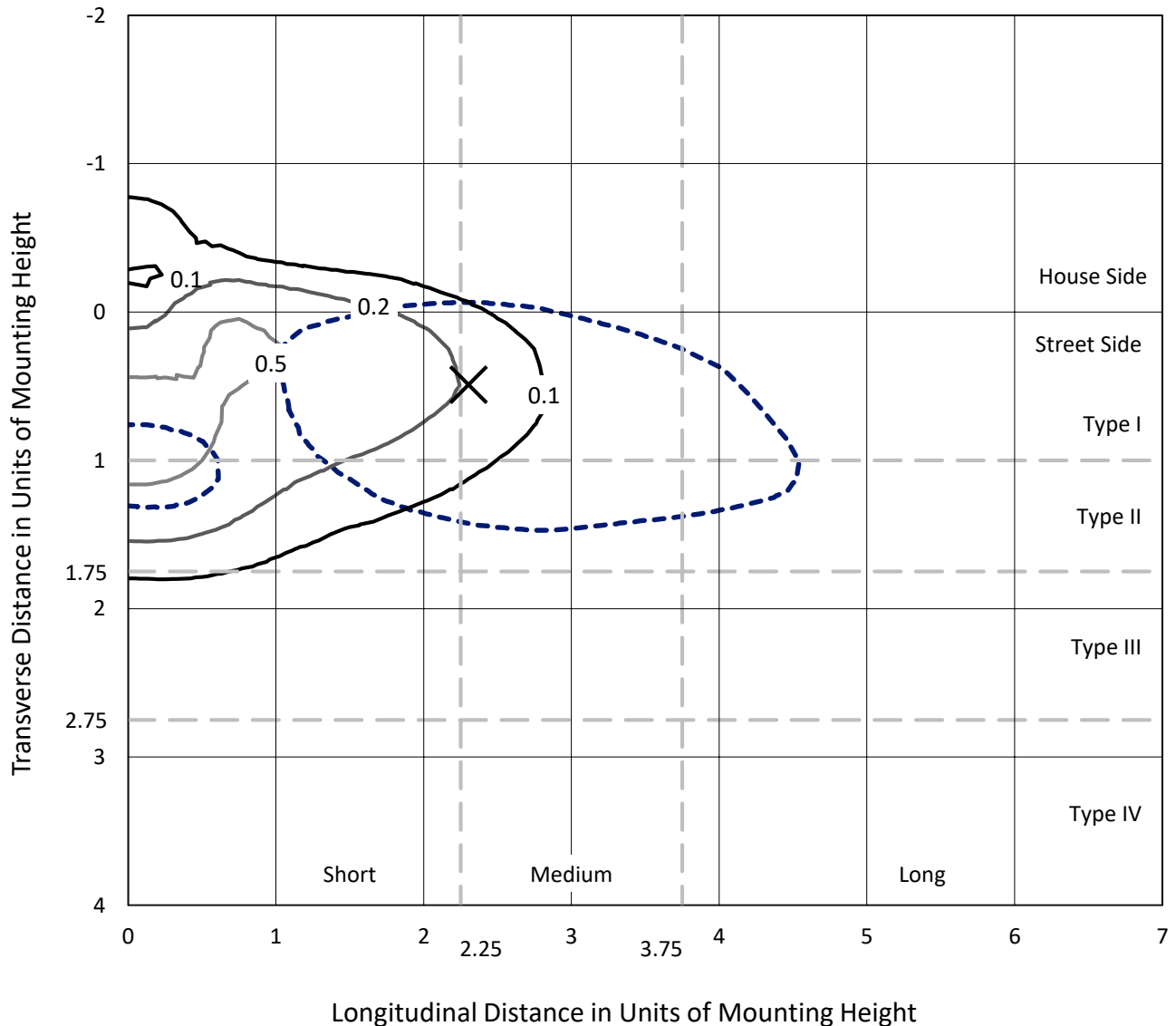
Input Watts (W): 21
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

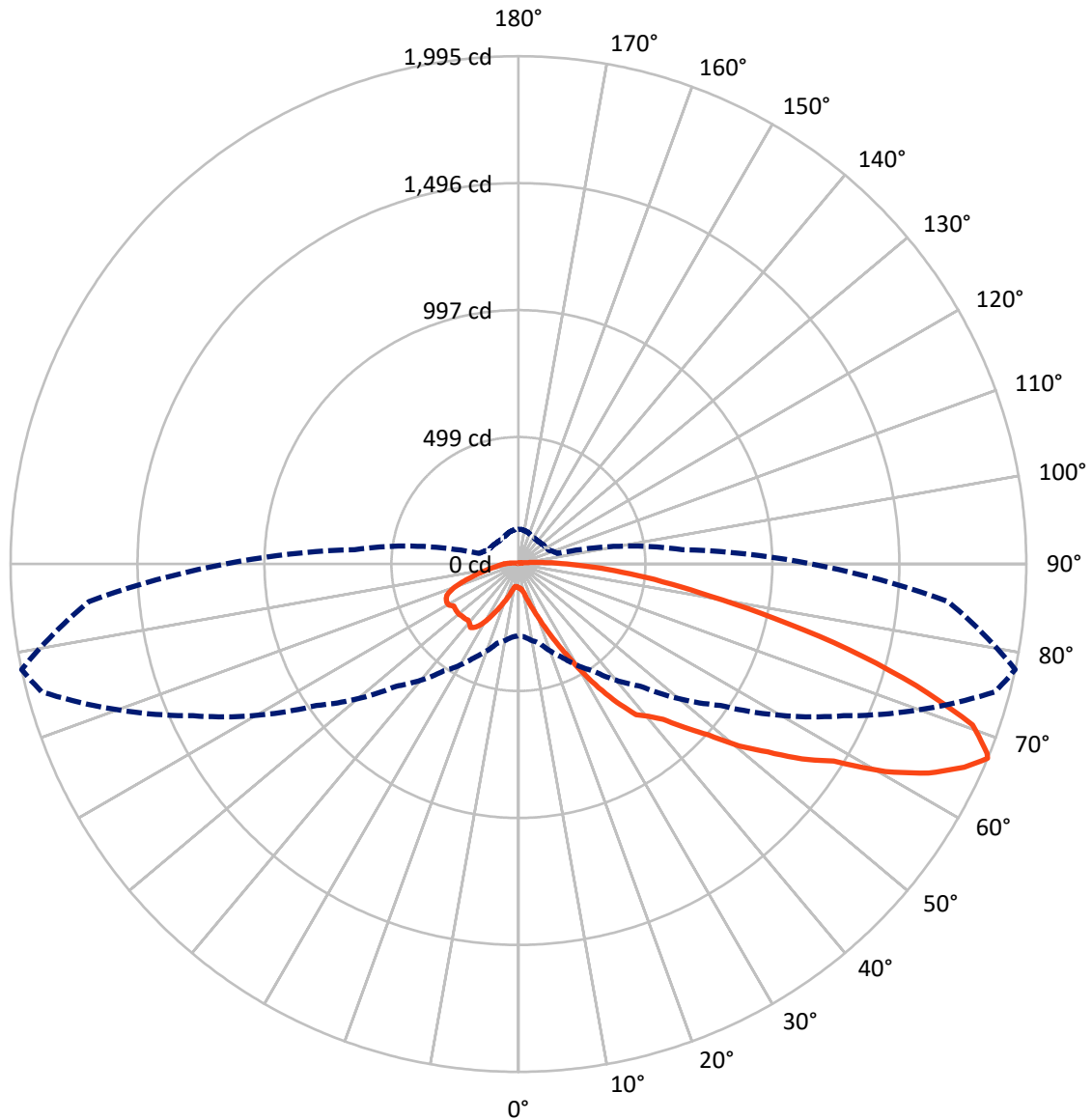
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type II - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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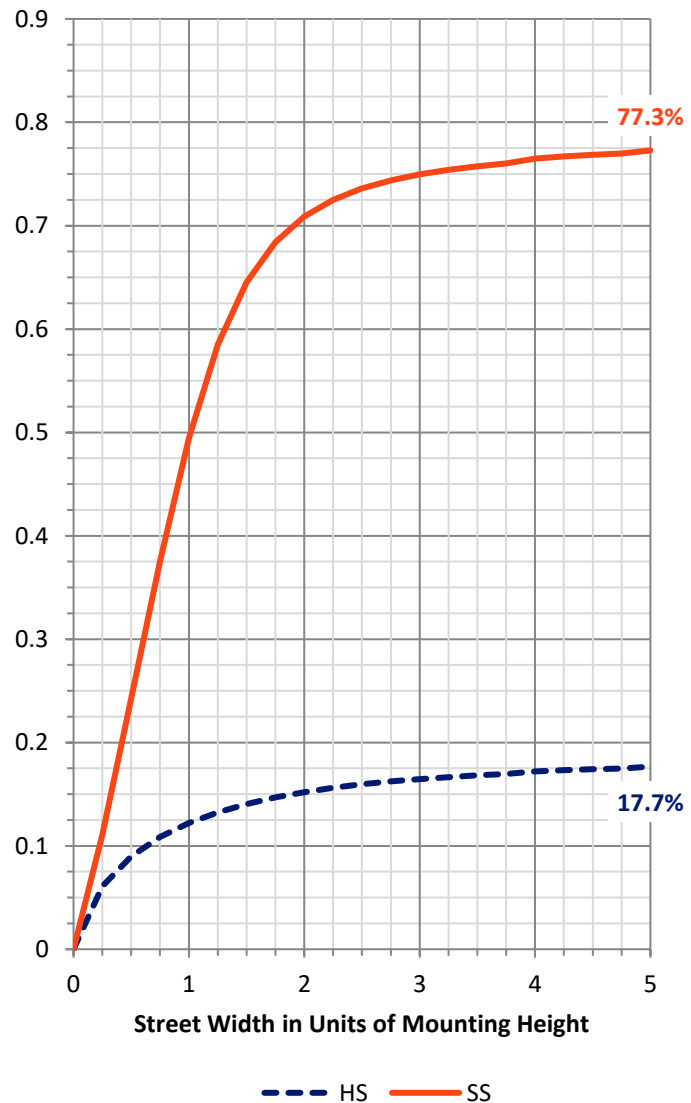
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	471.0	38.5	509.5
	% Fixture	18.5	1.5	20.0
Street Side	Lumens	1995.4	41.0	2036.4
	% Fixture	78.4	1.6	80.0
Total	Lumens	2466.4	79.5	2545.9
	% Fixture	96.9	3.1	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.4	0.4
10°-20°	39.6	1.6
20°-30°	118.8	4.7
30°-40°	271.9	10.7
40°-50°	434.3	17.1
50°-60°	535.3	21.0
60°-70°	557.9	21.9
70°-80°	361.7	14.2
80°-90°	137.5	5.4
90°-100°	42.5	1.7
100°-110°	16.3	0.6
110°-120°	8.8	0.3
120°-130°	5.8	0.2
130°-140°	3.8	0.2
140°-150°	1.7	0.1
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2466.4	96.9
0°-180°	2545.9	100.0



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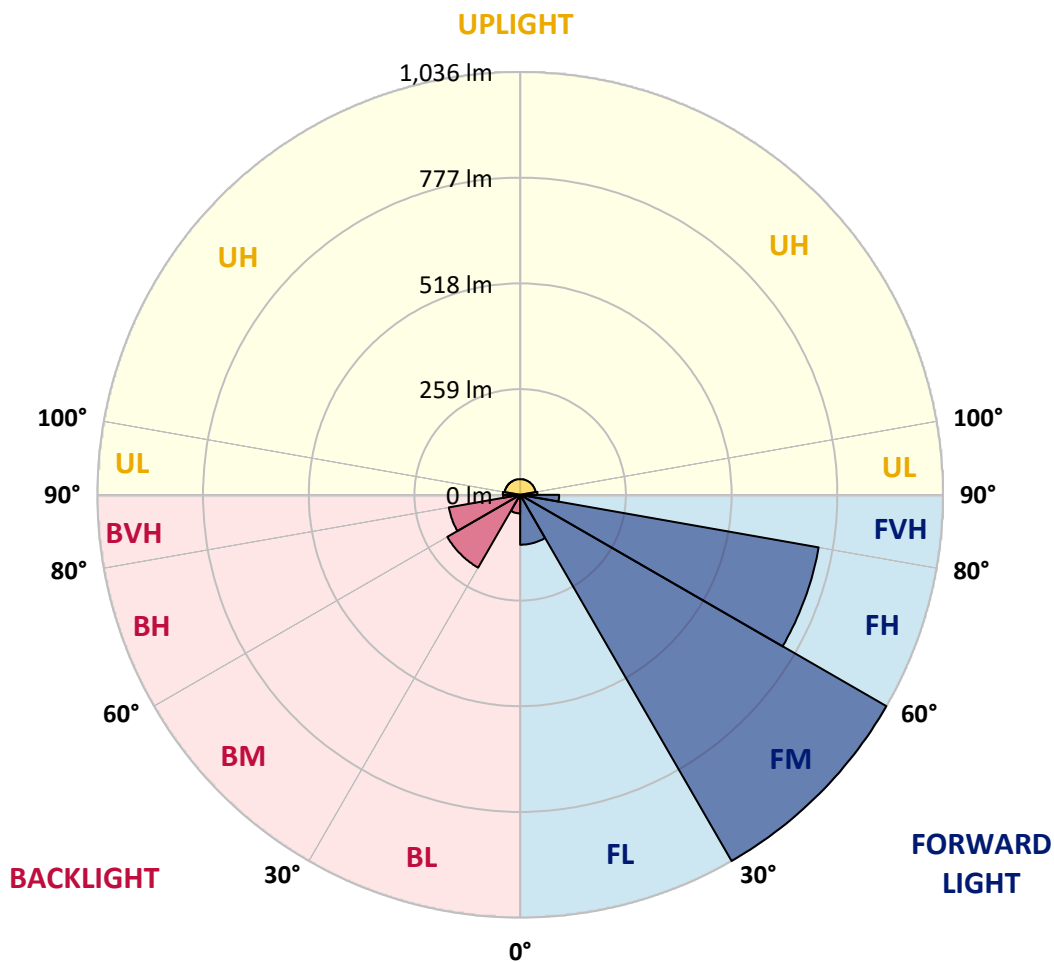
CATALOG NUMBER: LXF.LXT-PA1-20-750-U-T2R-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	122.2	4.8			
FM	(30°-60°)	1035.6	40.7			
FH	(60°-80°)	742.2	29.2			G1/1800
FVH	(80°-90°)	95.4	3.7			G1/100
BL	(0°-30°)	45.5	1.8	B0/110		
BM	(30°-60°)	205.9	8.1	B0/220		
BH	(60°-80°)	177.5	7.0	B1/500		G1/500
BVH	(80°-90°)	42.1	1.7			G1/100
UL	(90°-100°)	42.5	1.7		U2/50	
UH	(100°-180°)	38.5	1.5		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°	75°	78°	85°
0°	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
2.5°	104.9	104.6	104.3	103.7	102.5	101.3	99.4	97.0	95.2	94.9	93.1
5°	118.1	117.2	117.2	115.7	113.3	110.9	107.3	103.1	99.7	97.9	95.2
7.5°	134.4	132.6	133.2	130.8	127.5	123.3	117.5	111.8	105.5	103.7	99.7
10°	154.0	152.8	151.6	148.6	144.7	138.0	132.6	124.2	115.7	113.3	107.3
12.5°	177.8	178.1	174.5	171.2	164.5	157.9	151.3	143.1	133.8	131.1	123.3
15°	211.3	210.9	207.0	199.5	191.4	184.1	178.7	170.0	160.9	157.9	146.2
17.5°	250.4	249.5	246.5	233.3	225.1	219.4	211.6	206.1	193.2	189.9	175.4
20°	307.7	302.3	295.3	277.5	265.5	258.3	251.9	245.0	231.1	225.4	208.2
22.5°	371.3	374.0	361.3	333.9	313.7	300.5	293.8	290.2	279.7	275.7	249.8
25°	450.2	450.2	430.3	400.2	374.0	349.3	347.8	352.0	337.8	335.1	307.7
27.5°	533.4	536.7	510.5	478.3	438.5	409.5	408.0	411.7	410.4	402.6	363.4
30°	628.3	625.3	595.8	556.6	503.9	469.8	465.6	491.8	493.9	488.5	445.7
32.5°	738.9	736.5	699.4	638.9	573.8	534.6	537.3	574.4	588.9	579.5	529.5
35°	873.3	876.3	818.2	732.9	647.0	601.8	604.8	651.2	678.4	666.9	610.5
37.5°	1011.4	1012.3	958.9	843.5	725.7	661.5	668.7	725.4	760.3	751.0	673.5
40°	1098.7	1107.8	1056.6	946.9	808.5	721.1	727.2	783.2	803.7	786.2	695.2
42.5°	1175.3	1182.2	1130.1	1012.3	871.5	774.5	772.4	814.9	844.4	833.6	739.8
45°	1213.0	1226.5	1179.5	1057.8	915.8	816.1	799.8	863.4	929.1	915.5	812.2
47.5°	1185.5	1202.1	1182.2	1081.6	935.7	842.3	845.9	933.3	1018.3	1003.2	891.1
50°	1096.0	1115.9	1122.6	1063.8	940.8	855.3	893.8	1011.4	1125.3	1122.3	988.1
52.5°	988.1	998.7	1027.6	1010.1	921.8	870.3	945.7	1087.0	1235.6	1226.2	1068.6
55°	888.4	902.3	926.1	915.8	874.8	872.1	986.6	1171.4	1352.8	1351.6	1169.9
57.5°	751.0	770.3	820.3	826.0	814.0	861.0	1016.5	1237.7	1456.5	1460.7	1271.4
60°	576.5	592.8	668.7	729.3	739.8	834.8	1031.5	1310.6	1633.7	1655.7	1448.9
62.5°	467.4	470.4	528.0	603.6	675.3	786.8	1034.0	1402.8	1788.6	1808.4	1555.3
65°	349.9	349.3	402.3	488.5	588.2	730.8	1026.4	1431.7	1872.6	1923.6	1656.9
67°	281.2	287.8	321.8	403.8	512.9	678.4	968.0	1410.3	1938.6	1994.7	1693.9
67.5°	270.3	273.6	304.7	382.1	495.7	662.7	950.8	1404.9	1938.3	1985.9	1682.8
70°	215.8	220.3	242.9	294.1	396.6	559.9	829.9	1279.0	1823.5	1892.8	1580.6
72.5°	166.7	170.3	186.2	225.1	302.0	450.8	686.5	1100.6	1579.1	1634.0	1340.1
75°	126.9	128.1	143.1	169.7	230.5	343.8	530.1	866.7	1298.5	1340.1	1089.1
77.5°	98.2	101.0	112.4	130.2	171.2	258.9	399.0	675.0	1033.1	1026.7	828.1
80°	76.5	79.0	87.4	99.7	128.4	190.2	292.0	499.0	754.6	762.1	606.3
82.5°	61.5	63.3	69.0	78.1	98.8	144.7	213.4	373.1	573.8	571.1	444.5
85°	49.1	50.3	54.5	62.4	76.2	109.7	157.6	277.2	405.0	408.3	303.5
87.5°	38.3	39.8	44.6	49.4	60.3	83.5	116.3	192.3	269.4	272.1	208.5
90°	29.8	30.7	35.0	40.1	48.8	63.3	84.1	131.7	173.6	170.3	134.1
92.5°	22.0	22.9	26.8	31.6	38.0	48.8	60.6	84.4	101.6	103.7	83.8
95°	15.7	16.6	19.9	23.5	28.9	37.1	43.1	53.6	62.4	60.6	53.6
97.5°	12.1	12.4	14.8	17.5	22.0	28.6	31.9	37.1	41.0	40.1	37.4
100°	9.6	9.9	11.8	13.3	17.2	22.6	25.6	28.3	30.7	29.8	28.6
102.5°	8.1	8.4	9.6	10.8	14.2	19.0	20.8	22.6	23.5	23.5	22.9
105°	6.9	7.2	8.1	9.3	12.1	15.7	16.9	17.8	18.7	18.4	18.4
107.5°	6.3	6.3	7.2	8.1	10.5	13.3	13.9	14.2	14.5	14.5	15.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
110°	5.7	6.0	6.6	7.2	9.3	11.8	11.8	11.5	11.5	11.5	12.4
112.5°	5.4	5.7	6.0	6.9	8.7	10.2	9.9	9.3	9.3	9.6	10.5
115°	5.4	5.4	5.7	6.6	8.1	9.3	8.7	7.8	7.8	8.1	9.0
117.5°	5.4	5.4	6.0	6.6	7.8	8.4	7.8	6.9	6.6	6.9	7.8
120°	5.7	5.7	6.0	6.6	7.2	7.8	7.2	6.3	6.0	6.3	7.2
122.5°	6.0	6.0	6.0	6.6	6.9	7.2	6.6	5.7	5.4	5.7	6.6
125°	6.3	6.3	6.3	6.6	6.9	6.6	6.0	5.4	5.4	5.4	6.3
127.5°	6.9	6.9	6.9	6.9	6.6	6.3	5.7	5.1	5.4	5.4	6.0
130°	7.5	7.5	7.2	6.9	6.6	6.0	5.4	4.8	5.1	5.4	6.0
132.5°	7.8	7.5	7.2	6.6	6.3	5.4	4.8	4.5	4.8	5.1	5.7
135°	7.2	7.2	6.6	6.0	5.7	4.8	4.2	4.2	4.5	4.8	5.1
137.5°	6.3	6.3	6.0	5.4	5.1	4.5	3.9	3.6	4.2	4.5	4.8
140°	5.4	5.4	5.1	4.5	4.2	3.9	3.3	3.0	3.6	3.9	4.2
142.5°	4.5	4.5	4.2	3.6	3.6	3.3	2.7	2.7	3.3	3.3	3.6
145°	3.6	3.6	3.6	3.0	3.0	2.7	2.1	2.4	2.7	3.0	3.0
147.5°	3.0	3.0	3.0	2.4	2.4	2.1	1.5	1.8	2.1	2.4	2.4
150°	2.4	2.4	2.4	2.1	1.8	1.5	1.2	1.5	1.5	1.8	1.8
152.5°	1.8	1.8	1.8	1.5	1.5	0.9	0.9	1.2	1.2	1.5	1.5
155°	1.2	1.2	1.5	1.2	0.9	0.6	0.9	0.9	1.2	1.2	1.2
157.5°	0.9	0.9	0.9	0.6	0.6	0.6	0.6	0.6	0.9	0.9	0.9
160°	0.3	0.3	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
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°	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
2.5°	92.2	91.6	90.1	88.6	87.1	85.9	84.4	84.1	84.1	83.5	83.5
5°	93.4	91.6	88.0	85.0	81.7	79.0	76.8	75.9	75.0	74.4	73.8
7.5°	96.1	93.1	87.1	82.3	77.4	73.2	70.2	68.7	67.8	66.9	67.2
10°	102.5	97.9	89.2	81.4	74.1	68.4	64.8	63.0	62.4	61.5	61.5
12.5°	116.0	110.0	97.3	84.1	72.9	65.1	60.9	60.3	60.9	61.8	61.8
15°	137.4	128.4	110.0	91.6	75.6	64.5	62.1	63.9	66.0	67.2	67.2
17.5°	163.6	151.3	125.1	100.4	79.6	69.9	66.9	69.3	72.0	73.8	73.8
20°	192.6	176.0	140.4	107.9	85.3	77.4	74.1	76.2	79.9	82.6	82.3
22.5°	230.2	206.1	158.2	114.5	92.2	84.4	82.3	85.0	90.4	94.0	94.3
25°	276.9	243.8	179.0	123.3	98.5	90.4	91.0	95.8	103.1	107.0	107.0
27.5°	326.7	284.8	196.8	132.0	105.2	96.7	99.7	106.4	114.2	118.7	119.3
30°	392.4	337.5	219.1	140.7	110.9	103.1	106.7	114.5	120.2	123.0	123.3
32.5°	459.3	387.5	236.9	149.8	116.3	107.6	110.9	118.4	123.6	126.6	126.3
35°	519.8	427.9	247.4	154.0	121.1	110.9	112.4	120.5	123.6	125.4	125.1
37.5°	566.2	456.9	251.3	154.9	123.0	112.4	113.0	119.9	124.2	127.5	126.9
40°	574.1	452.9	236.6	149.5	122.7	112.4	113.6	121.4	126.0	127.5	127.2
42.5°	603.0	463.8	223.9	139.8	119.0	112.1	114.8	122.0	124.2	123.3	122.4
45°	653.3	486.7	220.3	135.0	114.5	111.2	115.4	120.5	120.2	118.4	117.8
47.5°	703.1	508.7	212.5	132.9	113.3	110.9	115.1	118.7	119.6	117.8	117.2
50°	766.3	537.9	206.1	129.9	113.6	110.9	114.5	118.7	119.3	116.3	116.0
52.5°	823.0	558.1	196.8	127.2	113.9	111.8	114.5	118.7	119.0	116.0	115.4
55°	882.1	579.5	187.1	124.5	114.8	112.7	115.4	119.0	119.3	117.2	116.6
57.5°	941.1	598.2	176.3	122.4	115.7	114.5	116.0	119.3	121.7	121.1	121.1
60°	1061.7	651.8	174.5	122.7	116.6	116.0	116.6	120.8	125.4	123.9	124.2
62.5°	1109.3	663.3	171.2	126.6	119.3	117.2	117.5	122.0	126.9	129.0	128.7
65°	1152.7	664.2	164.5	129.3	122.7	118.1	118.1	122.4	130.5	135.3	135.3
67°	1150.3	646.1	159.7	129.6	124.2	119.0	117.8	122.4	130.8	136.2	136.5
67.5°	1136.4	634.4	157.9	129.6	124.5	119.0	117.5	122.0	130.8	136.5	136.5
70°	1052.9	572.6	146.2	126.3	123.6	117.5	115.7	119.0	129.0	136.8	136.8
72.5°	872.1	471.3	129.6	118.1	117.8	113.6	110.9	114.5	124.2	132.3	132.0
75°	704.9	376.7	113.0	106.1	109.1	106.1	104.0	106.7	116.0	124.2	123.6
77.5°	526.8	283.0	97.6	94.6	98.8	96.7	94.9	97.6	106.7	114.5	113.3
80°	389.4	218.2	85.0	83.8	86.8	86.2	85.6	86.8	94.6	99.7	98.8
82.5°	286.6	166.0	73.2	72.3	75.9	75.9	75.9	76.8	82.6	84.4	83.5
85°	203.7	125.1	64.5	62.1	65.1	66.6	67.5	67.8	70.8	71.1	69.0
87.5°	143.4	98.5	57.9	52.7	54.2	57.6	59.1	58.8	60.0	59.1	57.0
90°	100.1	77.4	52.4	44.9	44.9	48.2	50.6	50.3	50.6	48.2	46.1
92.5°	70.5	58.5	44.3	37.1	36.5	39.8	41.9	41.6	41.6	39.2	37.1
95°	47.3	43.1	35.3	29.8	28.9	31.6	33.8	33.1	33.1	30.7	29.8
97.5°	35.0	32.8	28.9	25.3	23.5	25.0	26.5	26.5	26.8	25.3	24.4
100°	27.4	26.5	24.7	21.7	19.9	20.2	21.1	21.1	22.3	21.1	20.5
102.5°	22.9	22.3	20.8	18.7	17.2	16.9	17.5	17.8	19.3	18.4	18.1
105°	19.0	18.7	17.8	16.0	14.8	14.8	14.8	15.1	16.6	16.0	16.0
107.5°	15.4	15.4	15.4	13.9	13.0	13.0	12.7	13.0	14.2	14.2	14.2



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CATALOG NUMBER: LXF.LXT-PA1-20-750-U-T2R-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	13.0	13.0	13.3	12.1	11.5	11.5	11.2	11.5	12.7	13.0	13.0
112.5°	11.2	11.2	11.5	10.8	10.2	10.2	9.9	9.9	11.2	12.1	12.1
115°	9.6	9.9	9.9	9.6	9.3	9.0	8.7	9.0	10.2	11.2	11.2
117.5°	8.4	8.7	9.0	8.7	8.4	8.1	7.8	8.1	9.3	10.5	10.5
120°	7.5	7.8	8.1	8.1	7.8	7.5	6.9	7.5	8.4	9.6	9.9
122.5°	6.9	7.2	7.2	7.2	7.2	6.6	6.3	6.6	7.5	8.7	9.0
125°	6.6	6.6	6.9	6.9	6.6	6.0	5.7	6.0	6.6	7.5	7.8
127.5°	6.3	6.3	6.6	6.6	6.0	5.4	5.1	5.4	6.0	6.6	6.6
130°	6.3	6.3	6.3	6.0	5.7	5.1	4.5	4.8	5.4	6.0	6.0
132.5°	6.0	5.7	5.7	5.7	5.1	4.5	4.2	4.2	4.8	5.4	5.4
135°	5.4	5.4	5.1	5.1	4.8	3.9	3.6	3.6	4.2	4.8	4.8
137.5°	4.8	4.8	4.5	4.5	4.2	3.6	3.0	3.3	3.9	3.9	4.2
140°	4.2	4.2	3.9	3.9	3.6	3.0	2.4	2.7	3.3	3.3	3.6
142.5°	3.6	3.6	3.6	3.3	3.0	2.4	2.1	2.4	3.0	3.0	3.0
145°	3.0	3.0	3.0	2.7	2.4	1.8	1.5	2.1	2.7	2.4	2.4
147.5°	2.4	2.4	2.4	2.4	1.8	1.5	1.2	1.8	2.1	2.1	2.1
150°	1.8	1.8	1.8	1.8	1.5	0.9	0.9	1.5	1.8	1.8	1.8
152.5°	1.5	1.5	1.5	1.8	1.5	0.6	0.6	1.2	1.5	1.5	1.5
155°	1.2	1.2	1.5	1.5	1.2	0.6	0.3	0.9	1.2	1.2	1.2
157.5°	0.9	0.9	1.2	1.2	0.9	0.6	0.3	0.6	1.2	0.9	0.9
160°	0.6	0.9	0.9	0.9	0.9	0.6	0.0	0.6	0.9	0.6	0.6
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)