

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: P255013

Luminaire Tested: **LXF.LXT-AF24-30-D-U-T2U-FL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P255013
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-32)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-30-D-U-T2U-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3281.6 lumens
Efficiency: N/A
Efficacy: 105.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B1 - U3 - G2

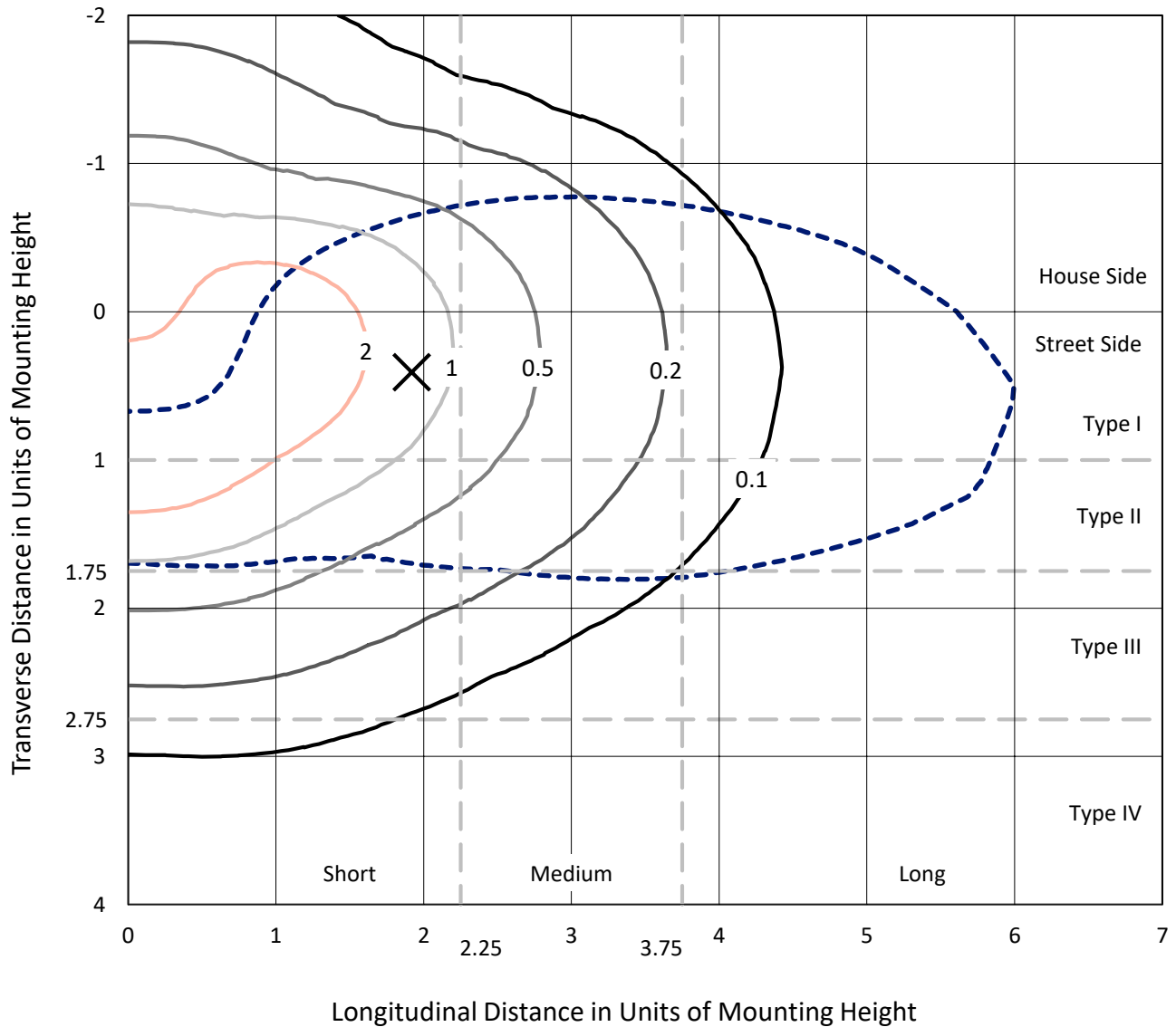
Input Watts (W): 31
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

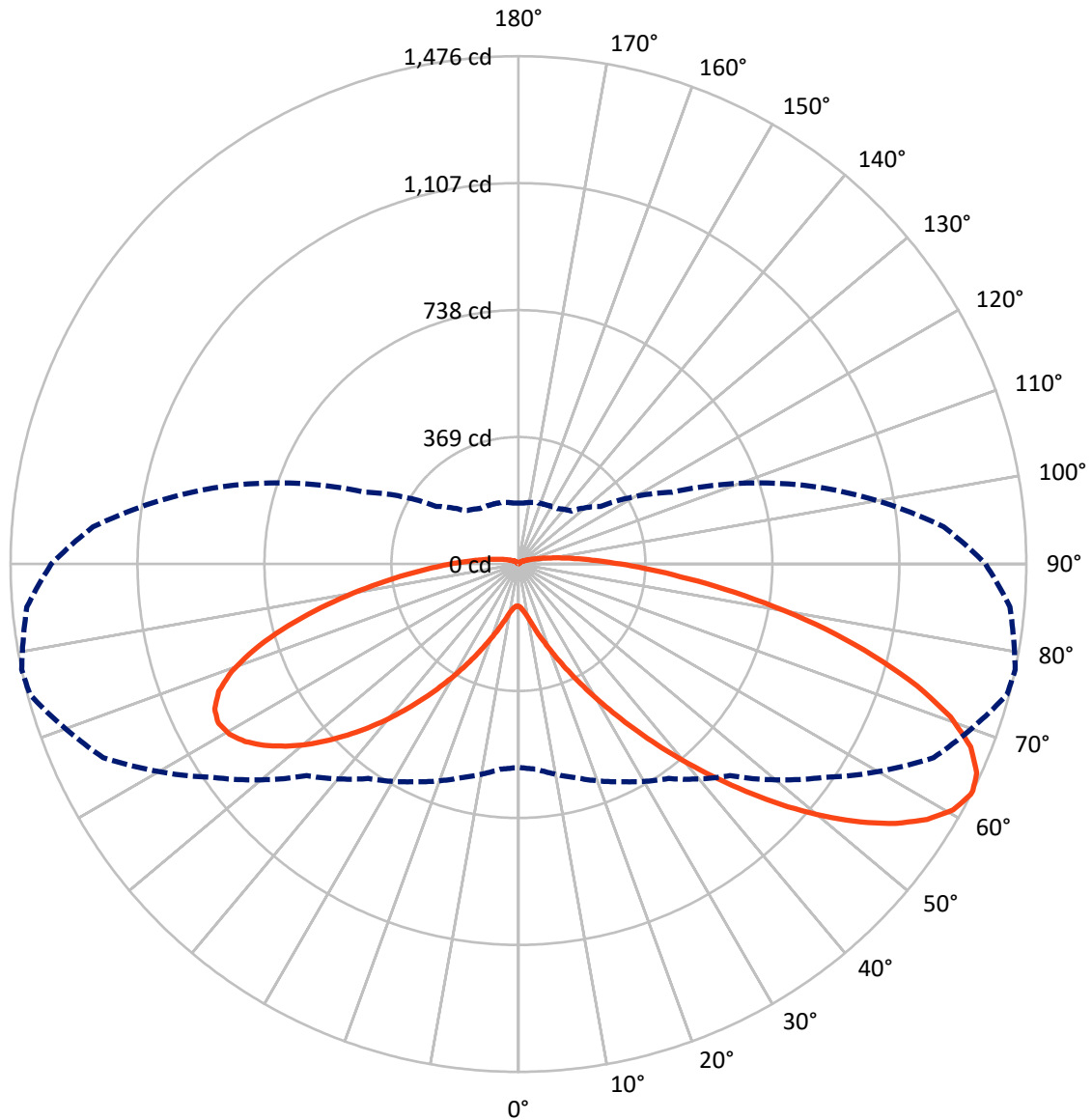
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.3 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 63-Deg Vertical



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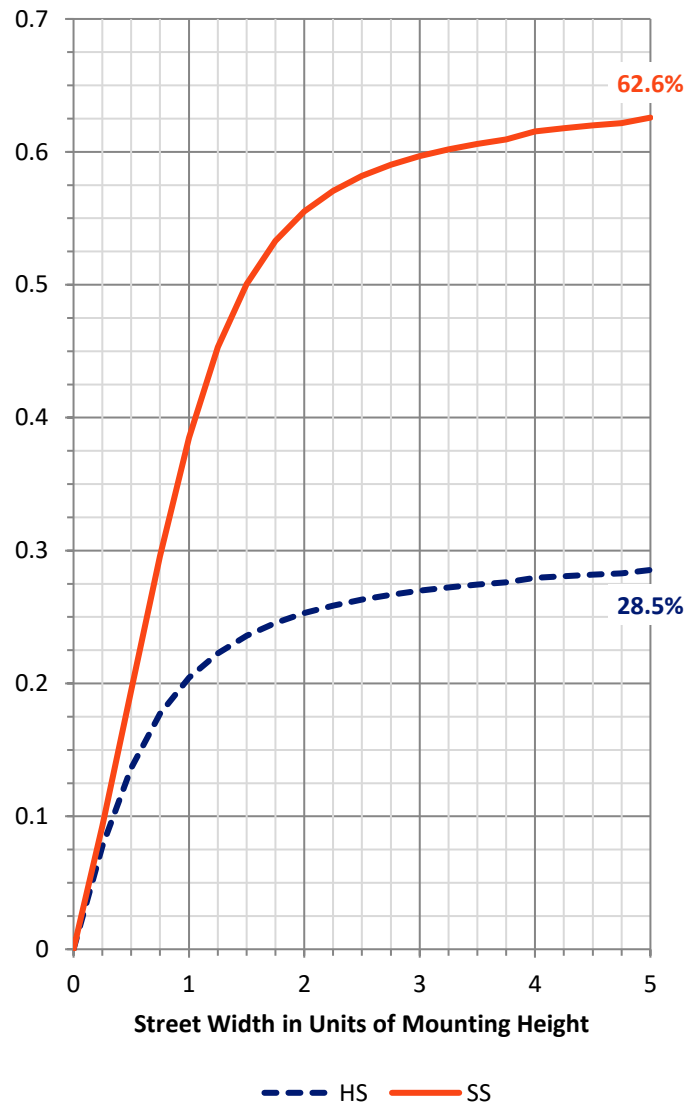
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	974.8	89.1	1063.9
	% Fixture	29.7	2.7	32.4
Street Side	Lumens	2107.4	110.4	2217.7
	% Fixture	64.2	3.4	67.6
Total	Lumens	3082.1	199.5	3281.6
	% Fixture	93.9	6.1	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.1	0.4
10°-20°	55.9	1.7
20°-30°	146.2	4.5
30°-40°	303.5	9.2
40°-50°	511.3	15.6
50°-60°	672.0	20.5
60°-70°	665.4	20.3
70°-80°	473.7	14.4
80°-90°	241.1	7.3
90°-100°	104.9	3.2
100°-110°	48.0	1.5
110°-120°	24.4	0.7
120°-130°	13.0	0.4
130°-140°	6.5	0.2
140°-150°	2.3	0.1
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3082.1	93.9
0°-180°	3281.6	100.0



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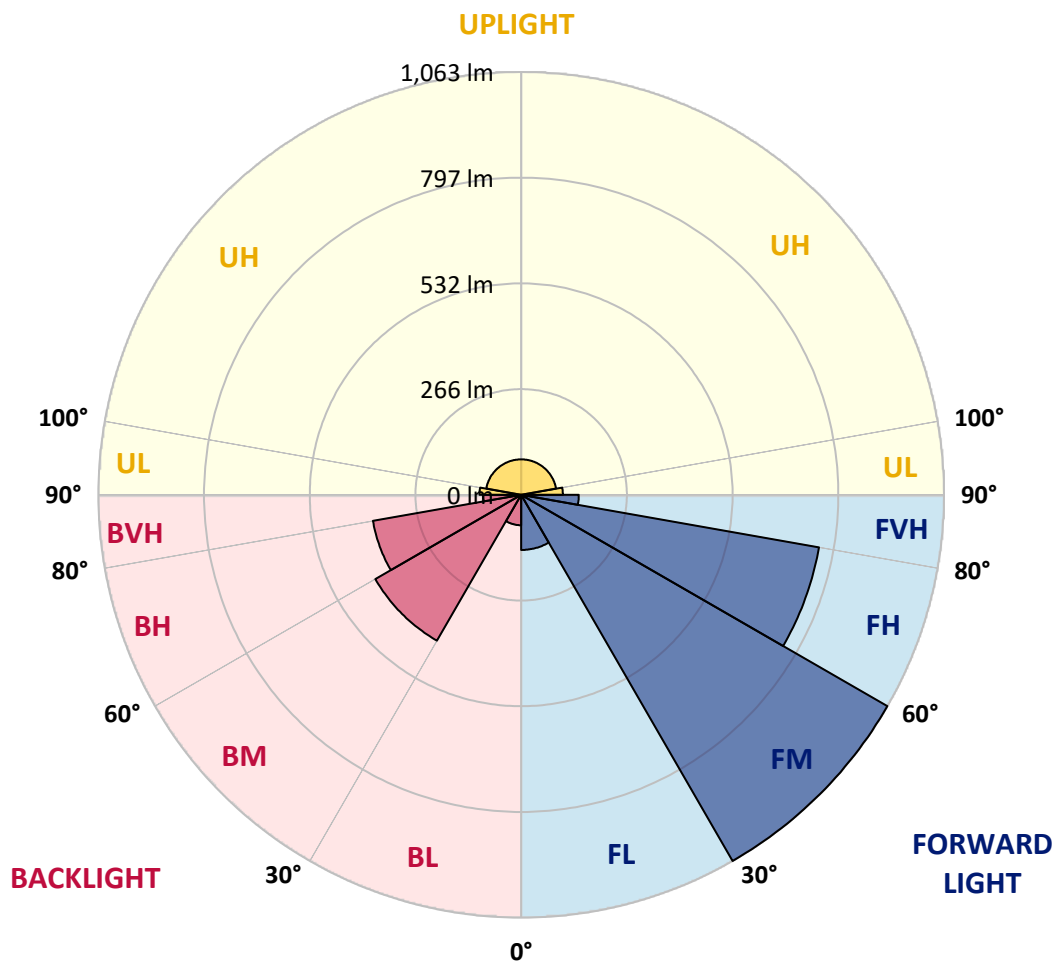
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	138.7	4.2			
FM (30°-60°)	1063.3	32.4			
FH (60°-80°)	760.5	23.2			G1/1800
FVH (80°-90°)	144.8	4.4			G2/225
BL (0°-30°)	76.5	2.3	B0/110		
BM (30°-60°)	423.5	12.9	B1/1000		
BH (60°-80°)	378.6	11.5	B1/500		G1/500
BVH (80°-90°)	96.3	2.9			G1/100
UL (90°-100°)	104.9	3.2		U3/500	
UH (100°-180°)	89.1	2.7		U3/500	

BUG Rating: B1-U3-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	122.9	122.9	122.9	122.9	122.9	122.9	122.9	122.9	122.9	122.9	122.9
2.5°	136.3	136.7	136.7	135.8	135.1	133.5	132.0	129.9	127.2	126.7	124.8
5°	152.5	152.9	152.5	151.0	149.4	146.6	143.4	139.8	135.1	134.7	131.1
7.5°	172.4	172.8	172.4	169.6	166.7	162.9	158.5	153.3	146.6	145.4	140.7
10°	196.9	197.6	196.5	194.2	189.3	183.4	177.9	170.3	163.3	160.4	154.5
12.5°	228.2	228.2	225.8	222.3	216.4	208.8	201.6	192.5	184.6	180.7	174.3
15°	263.0	263.4	260.2	255.9	249.6	238.1	230.2	220.7	210.7	207.1	198.0
17.5°	303.1	303.8	299.9	293.6	284.9	273.3	263.4	252.4	240.9	235.0	225.5
20°	349.8	349.8	345.5	337.2	326.0	313.3	300.6	288.0	275.4	268.2	258.3
22.5°	402.9	402.9	397.7	386.7	370.8	356.9	343.1	328.8	315.0	307.4	294.7
25°	464.3	466.7	456.7	442.9	425.0	405.7	391.8	375.1	360.1	351.8	337.9
27.5°	533.7	534.8	522.5	502.0	478.9	458.8	443.3	428.2	411.6	402.9	386.3
30°	608.1	605.7	594.6	570.1	540.0	515.4	499.9	486.1	467.1	460.3	442.1
32.5°	688.1	686.5	672.3	638.6	606.1	576.4	559.8	551.1	532.0	524.6	505.1
35°	772.5	769.8	752.7	717.5	674.6	642.2	627.2	622.8	605.4	597.8	574.4
37.5°	860.8	854.6	833.1	788.4	744.0	709.5	702.8	696.4	685.0	677.1	649.3
40°	931.4	928.6	907.3	860.5	812.5	783.6	779.3	783.6	772.5	763.4	731.3
42.5°	988.4	986.4	969.5	923.4	875.5	848.9	853.8	868.0	864.4	855.3	819.7
45°	1028.1	1026.0	1013.7	974.2	930.2	910.7	932.2	958.3	960.7	953.2	911.1
47.5°	1041.9	1040.8	1034.0	1005.0	971.4	966.6	1009.0	1050.3	1060.1	1053.7	1006.3
50°	1024.1	1024.9	1027.2	1014.2	993.6	1007.1	1069.6	1137.8	1159.2	1152.0	1101.3
52.5°	978.1	980.9	992.4	996.8	993.6	1028.1	1120.3	1217.0	1253.4	1245.5	1193.3
55°	907.6	911.6	931.8	954.3	970.6	1026.4	1152.0	1284.0	1336.3	1330.8	1276.4
57.5°	814.9	822.9	850.2	890.2	923.0	1001.9	1161.2	1329.9	1404.0	1400.0	1347.3
60°	712.3	719.0	756.7	808.9	856.5	954.0	1141.3	1349.7	1449.9	1451.2	1401.2
62.5°	610.5	618.0	662.4	716.7	777.2	885.1	1094.3	1337.8	1469.0	1474.9	1431.7
63°	590.7	598.2	642.6	698.1	760.7	869.6	1081.6	1331.1	1469.0	1475.7	1433.7
65°	513.8	521.0	565.0	622.8	689.0	802.2	1020.1	1291.5	1453.1	1463.4	1430.5
67.5°	424.3	431.8	476.2	533.3	597.0	707.2	923.4	1209.8	1398.9	1417.5	1396.4
70°	348.6	356.5	396.9	450.8	510.2	610.5	812.9	1100.2	1311.7	1331.9	1324.0
72.5°	287.2	294.0	333.6	378.7	431.8	521.0	699.6	967.8	1186.9	1211.5	1216.2
75°	234.6	241.6	276.5	316.9	363.7	438.5	589.9	828.0	1032.4	1066.4	1079.9
77.5°	191.4	198.0	228.9	264.2	303.8	365.3	488.9	689.4	873.9	915.1	932.5
80°	156.1	162.4	187.8	219.8	253.6	303.1	400.5	555.5	717.1	754.3	772.5
82.5°	126.7	132.3	154.5	182.6	211.1	251.1	326.8	444.5	572.9	604.2	614.1
85°	102.2	107.0	126.7	151.3	175.5	206.4	264.2	351.4	448.1	472.6	484.9
87.5°	81.6	85.6	103.4	124.8	145.4	173.5	213.9	280.1	346.7	364.9	372.8
90°	66.2	69.4	84.0	102.2	120.8	141.5	173.5	217.9	266.6	279.7	285.2
92.5°	53.9	56.3	69.4	84.4	101.1	119.7	141.5	172.4	205.2	213.9	217.5
95°	45.1	45.9	57.5	70.5	84.0	99.8	115.7	137.1	158.5	164.4	166.0
97.5°	36.8	38.1	48.0	59.8	71.3	83.2	94.7	109.8	123.2	126.7	127.2
100°	31.7	32.1	40.4	51.1	61.0	70.5	78.9	88.0	95.9	97.1	97.9
102.5°	26.9	27.3	34.5	44.4	52.7	60.7	66.9	72.1	75.3	75.7	75.7
105°	23.3	23.7	29.7	38.5	45.9	51.9	57.1	59.0	59.8	59.4	59.4
107.5°	21.0	21.0	26.2	33.7	40.4	45.5	48.7	49.1	48.0	47.2	47.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
110°	18.6	19.0	23.0	30.1	36.0	40.0	42.4	41.2	38.9	38.1	38.1
112.5°	17.1	17.4	20.3	26.5	31.7	35.7	36.8	34.9	31.7	30.9	31.3
115°	15.9	15.9	18.2	23.3	28.5	31.7	32.1	29.7	26.2	25.8	26.2
117.5°	14.6	14.6	16.3	21.0	25.4	28.1	28.1	25.4	22.2	21.4	21.8
120°	13.9	13.9	15.0	18.6	22.6	25.0	24.6	21.8	18.6	18.6	19.0
122.5°	13.1	13.1	13.9	16.7	20.3	22.2	21.8	18.6	15.9	15.9	16.3
125°	12.3	12.3	12.7	15.0	17.8	19.4	19.0	15.9	13.9	13.9	14.2
127.5°	11.5	11.5	11.9	13.5	15.9	17.1	16.3	13.5	12.3	12.3	12.7
130°	11.0	11.0	11.0	11.9	13.9	15.0	13.9	11.5	10.7	10.7	11.0
132.5°	10.3	10.3	10.3	10.7	11.9	12.7	11.9	9.9	9.5	9.5	9.9
135°	9.9	9.9	9.5	9.5	10.3	10.7	9.5	8.3	8.3	8.3	8.7
137.5°	9.1	9.1	8.7	8.3	8.7	8.7	7.9	6.8	7.2	7.2	7.6
140°	8.3	8.3	7.9	7.2	6.8	6.8	5.9	5.5	5.9	5.9	6.3
142.5°	7.2	7.2	6.8	5.9	5.1	4.7	4.4	4.4	4.7	4.7	5.1
145°	5.9	5.9	5.5	4.7	4.0	3.6	3.2	3.2	3.6	3.6	4.0
147.5°	4.7	4.7	4.4	3.6	2.8	1.9	1.9	2.4	2.8	2.8	2.8
150°	4.0	4.0	3.6	2.8	1.5	1.2	0.8	1.2	1.5	1.5	1.5
152.5°	2.8	2.8	2.4	1.5	1.2	0.4	0.4	0.8	1.2	1.2	1.2
155°	1.5	1.5	1.2	0.8	0.4	0.4	0.4	0.4	0.8	0.8	0.8
157.5°	0.8	0.8	0.4	0.4	0.0	0.4	0.4	0.4	0.4	0.4	0.4
160°	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.0	0.0	0.0	0.4
162.5°	0.0	0.0	0.0	0.0	0.0	0.4	0.4	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°	122.9	122.9	122.9	122.9	122.9	122.9	122.9	122.9	122.9	122.9	122.9
2.5°	124.0	123.2	121.2	119.3	117.6	116.5	115.7	114.5	114.1	113.6	113.6
5°	129.2	127.2	123.6	120.0	116.8	114.1	111.7	109.8	108.5	107.7	108.1
7.5°	137.5	134.3	129.2	123.6	118.5	114.5	110.9	108.5	106.6	105.4	105.4
10°	150.6	146.2	138.3	130.3	124.0	118.0	113.6	110.2	107.7	106.6	106.6
12.5°	169.2	163.6	152.5	141.5	132.7	124.8	119.3	115.7	114.9	113.6	113.6
15°	191.4	184.6	171.1	156.9	145.0	134.3	129.5	126.3	124.4	122.9	122.9
17.5°	217.5	208.8	191.7	174.3	159.7	148.5	140.7	136.3	133.9	132.7	132.7
20°	247.6	236.9	215.9	194.2	175.8	164.0	153.3	146.6	144.2	143.0	142.6
22.5°	282.4	269.3	244.1	216.7	195.3	179.4	166.7	156.9	154.1	152.9	152.1
25°	324.1	309.4	275.7	242.4	215.9	194.2	178.7	167.6	163.6	162.4	162.0
27.5°	370.8	353.0	311.8	271.0	235.3	207.1	188.9	177.5	172.4	170.7	171.1
30°	423.1	402.1	351.4	299.9	254.3	219.1	197.3	185.1	179.4	177.9	177.9
32.5°	481.3	453.6	394.6	330.4	272.2	228.9	204.4	191.7	185.1	183.8	183.8
35°	545.5	516.6	441.3	361.3	288.0	236.9	209.6	196.9	189.8	188.2	188.2
37.5°	619.2	581.1	490.8	391.0	301.5	242.8	213.2	200.1	192.9	190.6	190.6
40°	694.1	650.1	542.4	419.1	312.9	246.4	215.1	201.6	194.9	191.7	191.4
42.5°	776.1	721.0	595.1	444.9	320.9	248.4	215.5	202.9	195.7	191.7	191.0
45°	861.2	801.8	643.7	467.1	326.8	248.4	215.1	202.4	195.7	190.6	189.8
47.5°	947.3	879.8	694.5	485.7	329.6	247.2	214.3	202.0	195.3	188.9	188.2
50°	1036.8	957.9	742.5	500.3	329.2	244.8	212.4	200.8	193.7	187.0	186.2
52.5°	1120.7	1029.6	786.3	510.7	326.8	241.2	210.0	199.7	192.5	185.1	184.2
55°	1202.4	1101.7	824.4	516.2	321.7	236.9	207.6	198.0	191.4	183.0	182.6
57.5°	1268.2	1162.4	854.2	515.8	314.1	231.4	204.8	196.1	189.8	181.9	181.1
60°	1322.0	1211.1	873.2	509.8	305.0	225.8	201.6	193.7	188.2	180.2	179.0
62.5°	1353.7	1238.4	877.9	497.2	294.0	219.4	197.3	190.2	185.4	178.3	177.1
63°	1357.3	1240.7	876.7	494.0	291.5	217.9	196.5	189.8	185.1	177.9	176.7
65°	1356.0	1240.0	865.2	477.8	281.3	211.5	192.5	186.2	182.2	175.5	174.3
67.5°	1325.1	1209.8	832.7	450.8	266.2	203.3	186.2	181.1	177.1	171.1	169.9
70°	1258.2	1145.7	778.1	417.2	249.6	193.7	178.3	174.3	170.3	164.8	163.3
72.5°	1159.2	1051.0	704.8	381.2	232.1	182.6	169.6	165.6	162.4	157.6	154.9
75°	1030.0	931.0	620.0	340.7	213.2	171.1	158.9	155.7	151.7	147.4	145.0
77.5°	879.8	793.9	530.5	299.1	193.7	158.0	147.4	143.8	140.2	135.4	132.3
80°	728.1	656.0	441.7	258.7	174.3	144.2	134.7	131.6	127.2	122.0	118.9
82.5°	583.9	527.6	361.3	221.5	155.3	130.3	121.6	117.6	112.9	107.7	105.8
85°	456.0	414.8	291.1	187.8	136.7	116.5	108.5	104.5	98.6	92.7	90.3
87.5°	351.8	321.7	233.7	158.0	119.7	103.0	95.0	90.3	84.8	78.9	76.8
90°	269.8	249.2	187.0	133.1	104.2	89.5	83.2	78.9	72.5	66.6	65.0
92.5°	206.8	192.9	150.2	112.1	89.1	78.5	72.9	68.1	61.8	55.9	54.6
95°	158.9	149.8	121.2	93.9	77.2	68.5	63.8	58.6	52.3	46.7	45.5
97.5°	123.2	116.8	97.9	79.3	66.9	59.8	55.9	50.7	44.4	39.2	38.5
100°	95.4	91.6	79.6	66.6	58.2	52.3	48.3	44.0	38.1	32.5	32.5
102.5°	74.5	72.1	65.4	57.1	50.7	46.3	42.8	38.1	32.1	27.7	27.3
105°	59.0	57.8	53.9	48.7	44.4	40.8	37.6	32.8	27.3	23.3	23.3
107.5°	47.2	46.7	44.8	41.6	38.9	36.0	33.2	28.5	23.3	20.3	20.3



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CATALOG NUMBER: LXF.LXT-AF24-30-D-U-T2U-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	38.5	38.5	37.6	35.7	34.1	31.7	28.9	25.0	19.8	17.4	17.4
112.5°	31.7	32.1	31.7	30.9	30.1	28.1	25.8	21.4	17.1	15.4	15.4
115°	26.5	26.9	26.9	26.9	26.5	25.0	22.6	18.6	14.6	13.5	13.5
117.5°	22.6	23.0	23.3	23.3	23.0	21.8	19.8	16.3	12.7	11.9	12.3
120°	19.4	19.8	20.3	20.6	20.3	19.4	17.1	13.9	11.0	10.7	10.7
122.5°	17.1	17.4	17.4	17.8	17.8	17.1	15.0	11.9	9.5	9.5	9.5
125°	14.6	15.0	15.4	15.4	15.9	14.6	12.7	9.9	8.3	8.3	8.7
127.5°	13.1	13.1	13.1	13.5	13.5	12.7	11.0	8.3	7.2	7.6	7.6
130°	11.5	11.5	11.9	11.9	11.9	11.0	9.1	7.2	6.3	6.8	6.8
132.5°	9.9	10.3	10.3	9.9	9.9	9.5	7.6	5.9	5.5	5.9	5.9
135°	8.7	9.1	9.1	8.3	8.3	7.6	6.3	4.7	5.1	5.1	5.5
137.5°	7.6	7.9	7.6	7.2	6.8	6.3	5.1	4.0	4.4	4.7	4.7
140°	6.3	6.3	6.3	5.9	5.5	4.7	4.0	3.2	4.0	4.0	4.0
142.5°	5.1	5.1	5.1	4.7	4.0	3.6	2.8	2.8	3.2	3.2	3.2
145°	4.0	4.0	4.0	3.6	2.8	2.4	1.9	1.9	2.4	2.8	2.8
147.5°	2.8	2.8	2.8	2.4	1.5	1.2	1.2	1.5	1.9	1.9	1.9
150°	1.9	1.9	1.9	1.5	1.2	0.8	0.8	1.2	1.2	1.5	1.5
152.5°	1.2	1.5	1.5	1.2	0.8	0.4	0.4	0.8	0.8	0.8	0.8
155°	0.8	0.8	1.2	0.8	0.8	0.4	0.0	0.0	0.4	0.4	0.4
157.5°	0.8	0.8	0.8	0.8	0.4	0.4	0.0	0.0	0.0	0.0	0.0
160°	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0
162.5°	0.4	0.4	0.4	0.4	0.4	0.4	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)