

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: P255111

Luminaire Tested: **LXF.LXT-AF24-20-D-U-T3-TL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P255111
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-34)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-20-D-U-T3-TL-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2235.4 lumens
Efficiency: N/A
Efficacy: 106.4 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 - G2

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

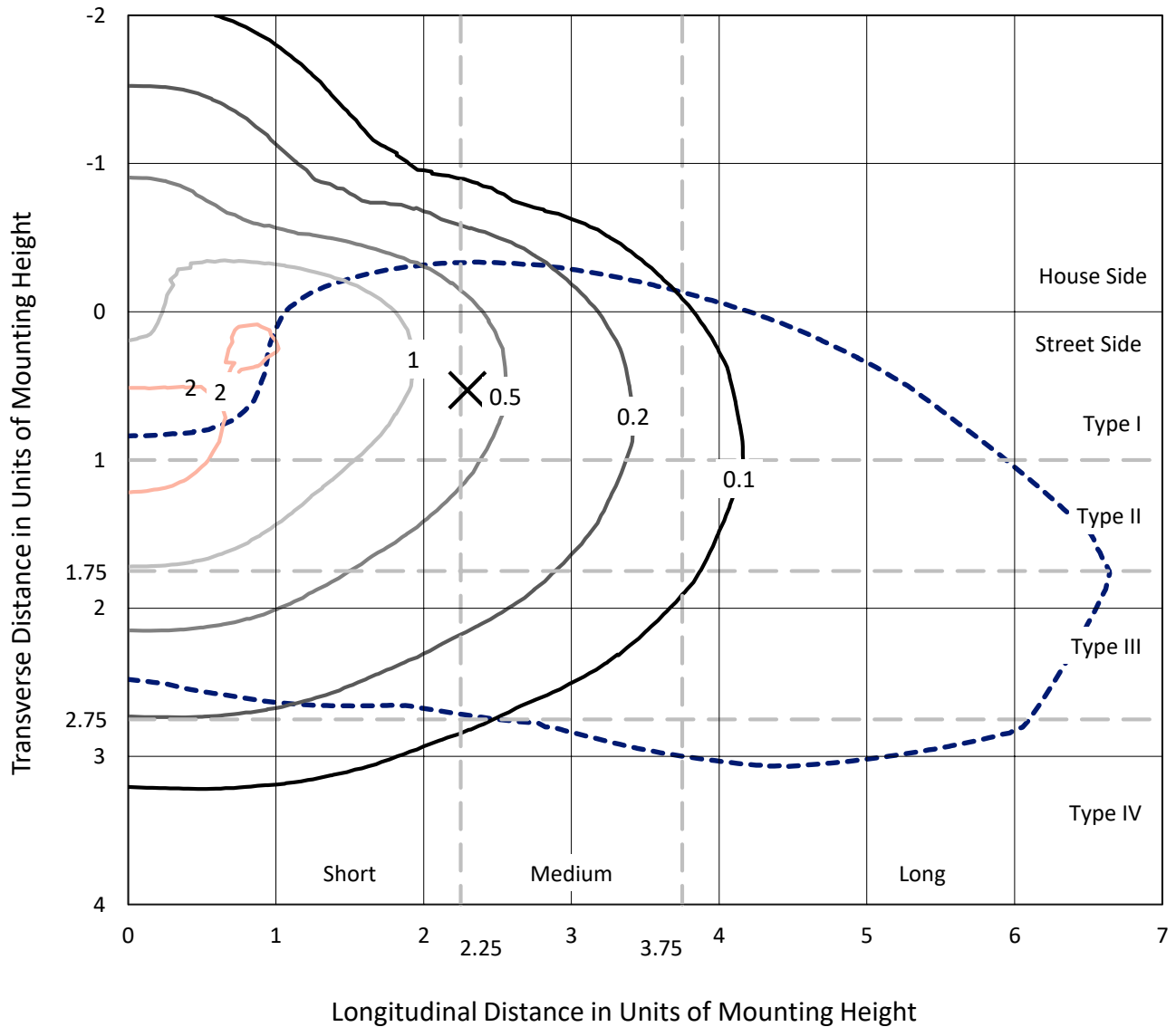


REPORT NUMBER: P255111

CATALOG NUMBER: LXF.LXT-AF24-20-D-U-T3-TL-7030

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

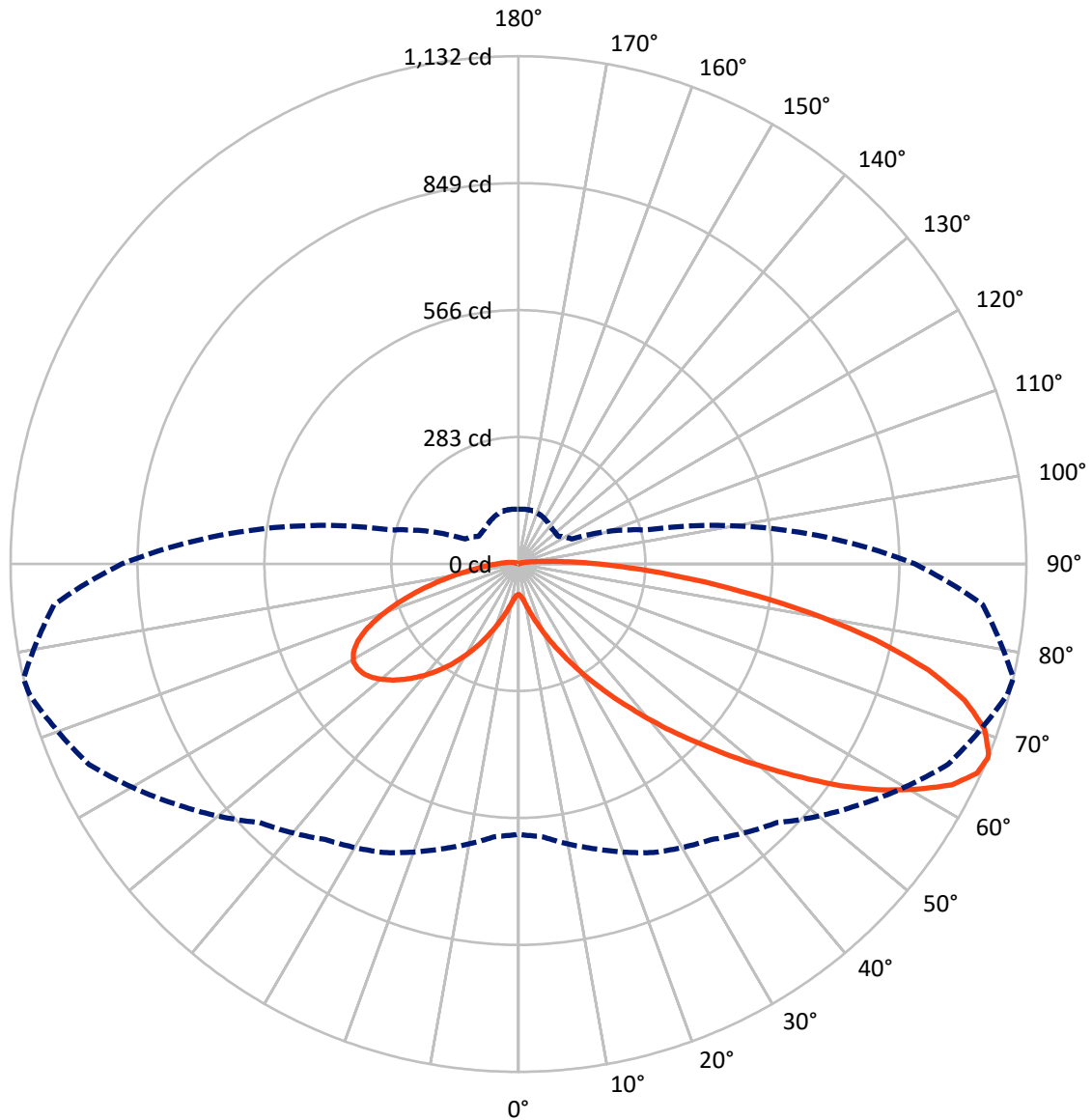


Based on 10 foot mounting height. Maximum calculated value = 2.5 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P255111

CATALOG NUMBER: LXF.LXT-AF24-20-D-U-T3-TL-7030

Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical



REPORT NUMBER: P255111

CATALOG NUMBER: LXF.LXT-AF24-20-D-U-T3-TL-7030

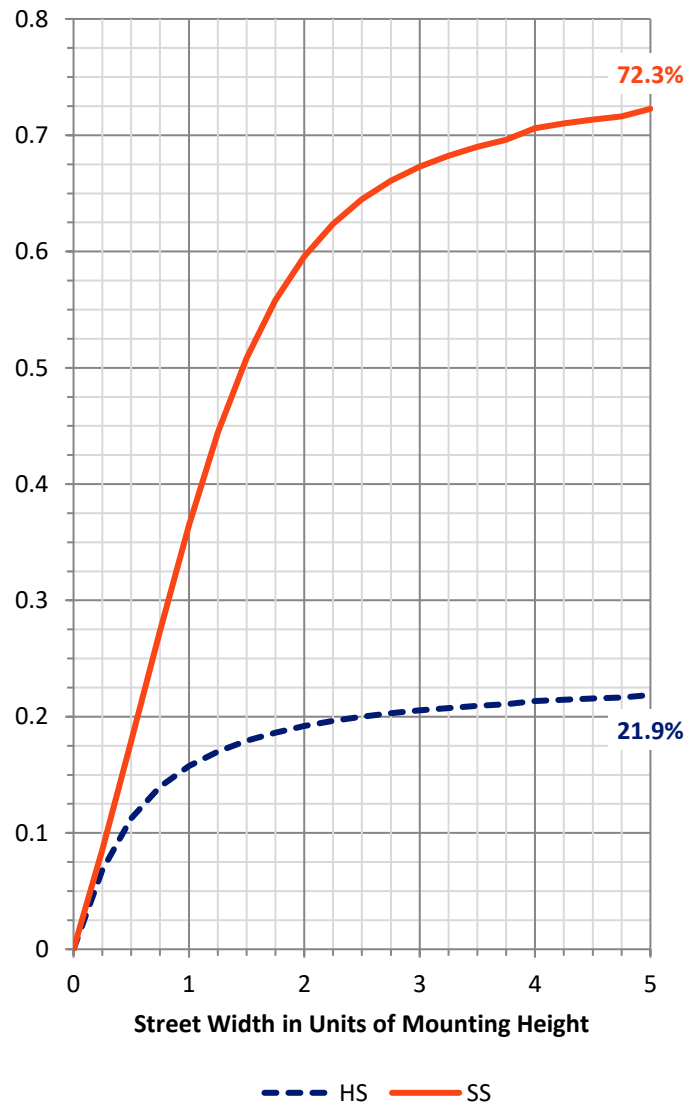
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	510.5	30.8	541.3
	% Fixture	22.8	1.4	24.2
Street Side	Lumens	1657.4	36.7	1694.1
	% Fixture	74.1	1.6	75.8
Total	Lumens	2167.9	67.5	2235.4
	% Fixture	97.0	3.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.4	0.3
10°-20°	33.1	1.5
20°-30°	86.9	3.9
30°-40°	177.7	8.0
40°-50°	308.1	13.8
50°-60°	456.9	20.4
60°-70°	530.3	23.7
70°-80°	400.5	17.9
80°-90°	166.9	7.5
90°-100°	44.3	2.0
100°-110°	14.4	0.6
110°-120°	5.7	0.3
120°-130°	2.1	0.1
130°-140°	0.8	0.0
140°-150°	0.2	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2167.9	97.0
0°-180°	2235.4	100.0



REPORT NUMBER: P255111

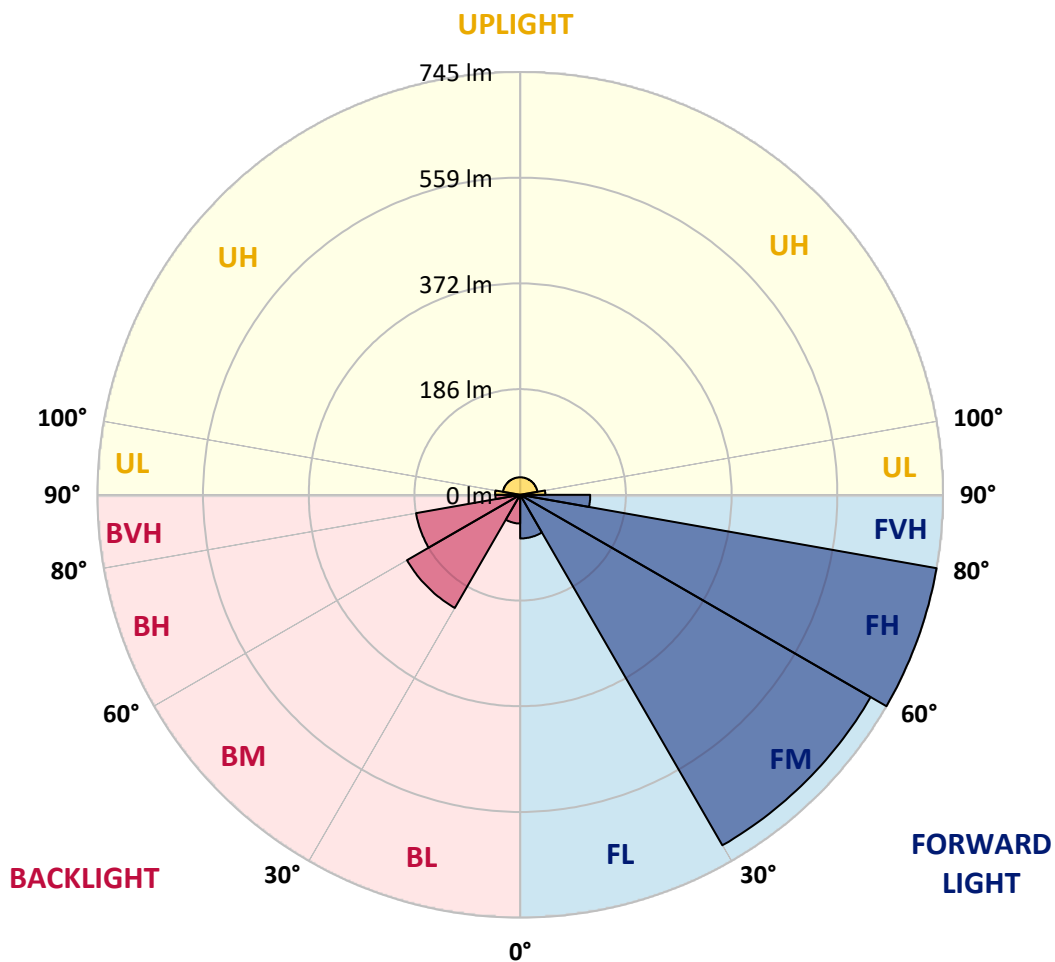
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	76.8	3.4			
FM	(30°-60°)	712.6	31.9			
FH	(60°-80°)	744.7	33.3			G1/1800
FVH	(80°-90°)	123.3	5.5			G2/225
BL	(0°-30°)	50.6	2.3	B0/110		
BM	(30°-60°)	230.1	10.3	B1/1000		
BH	(60°-80°)	186.1	8.3	B1/500		G1/500
BVH	(80°-90°)	43.6	2.0			G1/100
UL	(90°-100°)	44.3	2.0		U2/50	
UH	(100°-180°)	30.8	1.4		U2/50	

BUG Rating: B1-U2-G2

Type IV Medium





REPORT NUMBER: P255111

CATALOG NUMBER: LXF.LXT-AF24-20-D-U-T3-TL-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
2.5°	71.8	71.8	72.3	72.0	72.0	71.6	71.2	70.5	69.9	69.9	69.6
5°	77.1	77.1	77.3	77.7	77.1	76.8	76.1	75.0	74.2	74.2	73.6
7.5°	85.1	85.1	84.9	85.1	84.9	84.3	83.2	82.7	81.2	81.4	80.7
10°	96.5	96.5	96.0	96.5	95.3	94.7	94.0	93.1	91.2	91.8	90.4
12.5°	112.9	112.9	112.3	111.6	109.7	108.6	108.0	107.5	106.0	106.2	104.6
15°	132.3	132.1	131.5	130.4	127.7	126.2	124.9	124.1	122.8	123.3	121.8
17.5°	155.3	154.8	153.0	151.4	148.4	146.2	144.3	143.5	141.9	142.2	140.1
20°	181.7	181.2	178.7	176.4	172.1	169.3	167.2	165.4	163.9	165.4	161.4
22.5°	212.9	213.5	208.4	204.7	198.3	194.6	192.2	190.5	188.9	190.2	185.7
25°	248.7	248.4	242.9	238.0	229.0	222.6	219.1	218.1	217.2	218.3	215.1
27.5°	289.9	288.8	282.7	272.5	262.3	252.5	247.9	248.7	248.4	249.2	246.1
30°	335.4	334.9	326.3	311.9	298.6	285.2	281.1	280.7	283.1	284.7	278.4
32.5°	385.9	386.4	375.0	356.3	336.5	321.9	317.8	318.4	321.6	321.3	316.6
35°	441.6	441.6	429.6	406.1	380.0	361.1	356.5	361.6	363.5	364.1	356.8
37.5°	501.2	500.4	489.2	458.8	428.9	404.0	396.1	402.4	409.6	408.8	401.3
40°	565.0	562.8	548.2	514.3	477.9	448.1	439.0	448.8	459.3	459.8	450.7
42.5°	625.8	624.0	608.7	572.4	529.0	498.2	488.1	499.0	513.9	515.2	499.0
45°	682.9	682.7	668.7	631.4	583.9	548.4	538.2	552.7	573.5	573.5	556.4
47.5°	736.9	733.5	724.5	687.1	642.3	600.5	590.5	610.5	639.3	640.3	620.1
50°	778.2	776.1	771.5	737.6	691.9	654.1	644.9	674.9	708.5	711.5	686.9
52.5°	806.8	804.5	808.1	781.6	740.6	706.9	703.7	740.8	784.6	789.4	760.0
55°	818.0	818.8	830.0	812.6	780.0	753.4	764.9	810.7	862.5	871.9	833.4
57.5°	812.4	814.7	834.5	830.7	808.1	790.7	820.9	878.6	940.7	949.5	905.4
60°	783.0	788.1	817.1	827.0	818.5	824.1	870.5	947.1	1014.9	1018.9	974.6
62.5°	735.2	740.8	779.0	804.5	810.1	836.1	906.9	1004.7	1076.5	1083.5	1018.9
65°	667.5	675.4	717.9	762.4	784.8	832.3	930.6	1042.2	1115.7	1122.9	1041.4
67°	601.8	609.7	656.7	709.3	749.3	814.7	932.4	1056.0	1127.2	1131.5	1038.4
67.5°	583.9	592.1	639.1	694.2	738.1	807.8	930.8	1057.3	1127.2	1129.8	1034.3
70°	486.2	497.1	544.9	608.1	666.4	759.8	907.3	1040.4	1107.3	1102.1	985.5
72.5°	384.6	394.7	441.4	508.4	575.1	687.1	854.5	990.9	1046.3	1040.2	905.2
75°	287.5	296.0	340.8	405.9	476.6	591.8	771.8	910.2	949.5	943.1	794.2
77.5°	205.7	212.7	251.4	311.2	376.5	488.1	660.5	796.1	820.6	813.1	659.4
80°	141.5	149.6	177.4	230.9	287.0	381.9	532.6	648.5	665.6	657.8	515.2
82.5°	93.4	97.9	122.5	165.7	212.4	289.5	407.2	503.0	517.7	499.0	382.2
85°	60.8	62.0	80.7	113.9	153.2	210.4	298.6	369.7	376.3	362.4	271.9
87.5°	37.3	39.0	52.0	74.8	105.7	148.1	211.1	258.3	259.4	248.2	183.5
90°	24.0	25.1	33.4	48.6	71.8	100.8	142.2	171.6	170.8	162.0	117.1
92.5°	16.5	17.1	23.2	33.4	46.7	66.4	91.2	108.3	106.7	101.7	74.0
95°	12.0	12.6	17.1	24.2	32.6	43.8	56.9	65.7	63.8	60.5	46.4
97.5°	8.8	9.3	13.1	18.5	24.2	30.1	36.6	39.3	38.7	37.1	30.9
100°	6.7	7.2	10.2	14.4	18.9	22.4	25.5	25.9	25.1	24.6	22.4
102.5°	5.6	5.9	8.3	12.0	15.6	17.9	19.2	18.9	17.9	17.6	16.5
105°	4.8	5.0	7.2	10.2	12.8	15.0	15.6	14.6	13.3	13.1	12.6
107.5°	4.3	4.3	6.1	8.8	11.3	12.6	12.8	11.5	9.9	9.7	9.3



REPORT NUMBER: P255111

CATALOG NUMBER: LXF.LXT-AF24-20-D-U-T3-TL-7030

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
110°	3.8	3.8	5.4	7.4	9.7	10.7	10.7	9.1	7.0	6.7	7.0
112.5°	3.2	3.5	4.6	6.4	8.3	9.1	8.8	7.2	5.0	4.8	5.0
115°	2.9	2.9	4.1	5.6	7.0	7.7	7.2	5.4	3.8	3.5	3.8
117.5°	2.6	2.6	3.5	4.8	5.9	6.4	5.9	4.3	2.6	2.6	2.9
120°	2.4	2.4	2.9	4.1	5.0	5.4	4.6	3.2	2.1	2.1	2.4
122.5°	2.1	2.1	2.6	3.5	4.3	4.3	3.8	2.4	1.6	1.6	1.8
125°	1.8	2.1	2.4	2.9	3.5	3.5	2.9	1.8	1.3	1.6	1.8
127.5°	1.8	1.8	2.1	2.4	2.9	2.9	2.4	1.3	1.3	1.3	1.6
130°	1.6	1.6	1.8	2.1	2.4	2.4	1.8	1.1	1.3	1.3	1.6
132.5°	1.6	1.6	1.6	1.8	1.8	1.8	1.3	1.1	1.1	1.3	1.3
135°	1.3	1.3	1.3	1.6	1.6	1.3	0.8	0.8	1.1	1.1	1.3
137.5°	1.1	1.1	1.3	1.1	1.1	1.1	0.8	0.8	1.1	1.1	1.1
140°	1.1	1.1	1.1	0.8	0.8	0.5	0.5	0.8	0.8	1.1	1.1
142.5°	0.5	0.8	0.8	0.5	0.5	0.2	0.5	0.5	0.8	0.8	0.8
145°	0.2	0.2	0.5	0.2	0.2	0.2	0.2	0.5	0.5	0.8	0.8
147.5°	0.0	0.2	0.2	0.2	0.0	0.0	0.2	0.2	0.5	0.5	0.5
150°	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.5	0.5	0.5
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
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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CATALOG NUMBER: LXF.LXT-AF24-20-D-U-T3-TL-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
2.5°	69.4	69.2	68.3	67.7	67.5	67.3	66.9	66.7	66.7	66.7	66.7
5°	73.1	72.8	71.6	70.5	69.6	68.9	68.3	67.7	67.5	67.3	66.9
7.5°	79.8	79.0	77.3	75.5	73.6	72.0	71.0	70.5	69.6	69.4	69.2
10°	89.7	88.8	85.9	82.7	79.8	77.3	75.5	74.4	74.0	73.4	73.4
12.5°	103.2	102.7	97.7	93.6	88.1	84.3	82.2	81.4	81.2	80.7	80.9
15°	119.5	118.4	111.8	105.7	98.3	93.6	90.4	89.1	88.6	87.9	88.1
17.5°	138.2	134.7	127.1	117.7	108.6	103.0	98.8	96.3	95.5	95.0	95.3
20°	158.8	155.3	143.5	130.2	119.3	112.1	106.2	103.2	102.1	102.1	102.1
22.5°	182.6	178.0	161.7	143.7	129.5	119.3	112.6	109.7	108.6	108.6	108.9
25°	209.8	202.2	181.5	158.2	139.1	125.4	118.4	115.3	114.5	114.5	114.7
27.5°	239.4	229.2	201.8	171.3	146.0	129.7	122.3	119.5	119.0	119.0	119.3
30°	271.6	258.3	222.6	183.1	151.4	132.3	124.3	122.3	122.0	122.3	122.3
32.5°	305.8	290.6	243.1	193.0	154.8	133.8	125.6	124.3	124.1	124.7	124.1
35°	343.0	322.7	263.7	200.9	156.9	134.0	126.2	125.4	125.4	125.2	124.9
37.5°	383.0	355.9	282.7	206.8	156.9	133.4	125.9	125.6	125.6	125.2	124.7
40°	428.9	392.2	300.3	210.4	155.3	131.8	125.4	125.4	125.2	124.1	123.6
42.5°	473.4	429.9	317.1	210.9	152.6	129.7	124.7	125.2	124.7	122.5	122.0
45°	523.1	470.8	331.9	210.0	148.9	127.7	123.8	124.9	123.8	121.2	120.6
47.5°	580.7	514.8	345.0	206.8	144.1	125.2	122.8	124.1	123.6	120.4	119.8
50°	639.9	558.9	355.4	202.2	139.3	123.0	122.0	123.8	123.3	119.8	119.3
52.5°	701.9	604.4	363.0	195.0	134.3	120.8	121.2	123.6	123.6	120.0	119.5
55°	763.1	645.8	366.4	186.0	128.9	119.0	120.4	123.6	124.3	120.8	120.4
57.5°	819.8	679.1	364.5	175.6	123.8	116.9	119.8	123.3	124.9	121.8	121.2
60°	867.1	708.5	356.5	164.4	119.5	115.0	119.0	123.3	125.2	122.8	122.3
62.5°	895.8	718.9	340.3	152.4	115.3	112.9	117.7	122.8	124.9	123.0	122.5
65°	901.5	710.9	317.1	141.0	111.3	110.5	115.6	121.2	124.1	123.0	122.3
67°	883.8	687.1	292.7	131.8	107.8	108.0	113.6	119.5	123.0	122.8	121.8
67.5°	876.1	678.4	286.6	129.5	107.3	107.3	113.2	119.0	122.8	122.5	121.8
70°	824.4	625.5	251.4	118.2	103.0	103.8	109.7	116.4	120.4	120.6	120.0
72.5°	741.9	551.6	215.9	107.5	98.3	99.3	105.1	111.8	116.4	116.9	116.1
75°	633.2	464.6	180.8	97.9	92.9	93.6	99.5	106.0	110.8	111.6	110.8
77.5°	523.6	371.7	147.6	88.8	86.5	87.9	92.9	98.8	103.2	103.8	103.2
80°	400.6	282.1	117.7	80.3	79.5	80.9	85.1	90.2	94.2	94.7	94.2
82.5°	294.1	206.8	93.1	71.8	71.6	72.8	76.4	81.2	84.3	84.5	83.8
85°	209.8	146.0	74.2	62.5	63.0	63.5	66.7	70.5	73.1	73.4	71.8
87.5°	140.6	99.5	57.9	53.6	54.2	54.2	56.0	59.2	61.0	60.8	59.5
90°	91.8	67.7	46.7	45.7	45.9	45.9	46.7	48.8	50.5	49.6	48.8
92.5°	59.2	47.5	38.5	39.0	39.0	38.5	38.7	40.3	41.1	40.3	39.8
95°	40.3	35.0	32.0	32.8	33.1	32.0	32.0	32.8	33.4	32.3	31.4
97.5°	29.1	27.0	26.4	27.8	27.6	26.7	26.1	26.4	26.7	25.3	24.8
100°	21.9	21.3	21.7	23.2	23.0	22.2	21.7	21.3	21.1	19.7	19.4
102.5°	17.1	16.8	17.9	19.2	18.9	18.1	17.6	17.4	16.8	15.2	15.2
105°	13.1	13.3	14.6	16.1	15.8	15.2	14.6	14.1	13.1	11.7	11.7
107.5°	9.9	10.4	12.0	13.3	13.1	12.6	12.0	11.5	10.2	9.1	9.1



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CATALOG NUMBER: LXF.LXT-AF24-20-D-U-T3-TL-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	7.4	7.9	9.7	10.9	10.7	10.4	9.9	9.1	7.7	7.0	6.7
112.5°	5.6	6.1	7.7	8.8	8.8	8.5	7.9	7.2	5.9	5.4	5.0
115°	4.3	4.8	6.1	7.0	7.0	6.7	6.4	5.6	4.3	4.1	4.1
117.5°	3.5	3.8	4.8	5.6	5.6	5.4	5.0	4.3	3.2	3.2	3.2
120°	2.6	2.9	3.8	4.3	4.3	4.1	3.8	3.2	2.4	2.4	2.4
122.5°	2.4	2.4	2.9	3.5	3.2	3.2	2.9	2.4	1.8	1.8	1.8
125°	1.8	2.1	2.4	2.6	2.4	2.4	2.1	1.8	1.6	1.6	1.6
127.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.6	1.3	1.1	1.3	1.3
130°	1.6	1.6	1.6	1.6	1.3	1.3	1.1	0.8	0.8	1.1	1.1
132.5°	1.6	1.6	1.6	1.3	1.1	0.8	0.8	0.5	0.8	0.8	0.8
135°	1.3	1.3	1.3	1.1	0.8	0.5	0.2	0.2	0.5	0.5	0.5
137.5°	1.3	1.3	1.1	1.1	0.8	0.2	0.0	0.2	0.2	0.2	0.2
140°	1.1	1.1	1.1	0.8	0.5	0.2	0.0	0.0	0.2	0.2	0.0
142.5°	1.1	1.1	0.8	0.5	0.2	0.0	0.0	0.0	0.2	0.0	0.0
145°	0.8	0.8	0.8	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.8	0.8	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.5	0.5	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.5	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.2	0.2	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)