

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: P255112

Luminaire Tested: **LXF.LXT-AF24-30-D-U-T3-TL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P255112
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-AF24-30-D-U-T3-TL-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 375mA 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: 3136.8 lumens
Efficiency: N/A
Efficacy: 101.2 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 - 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

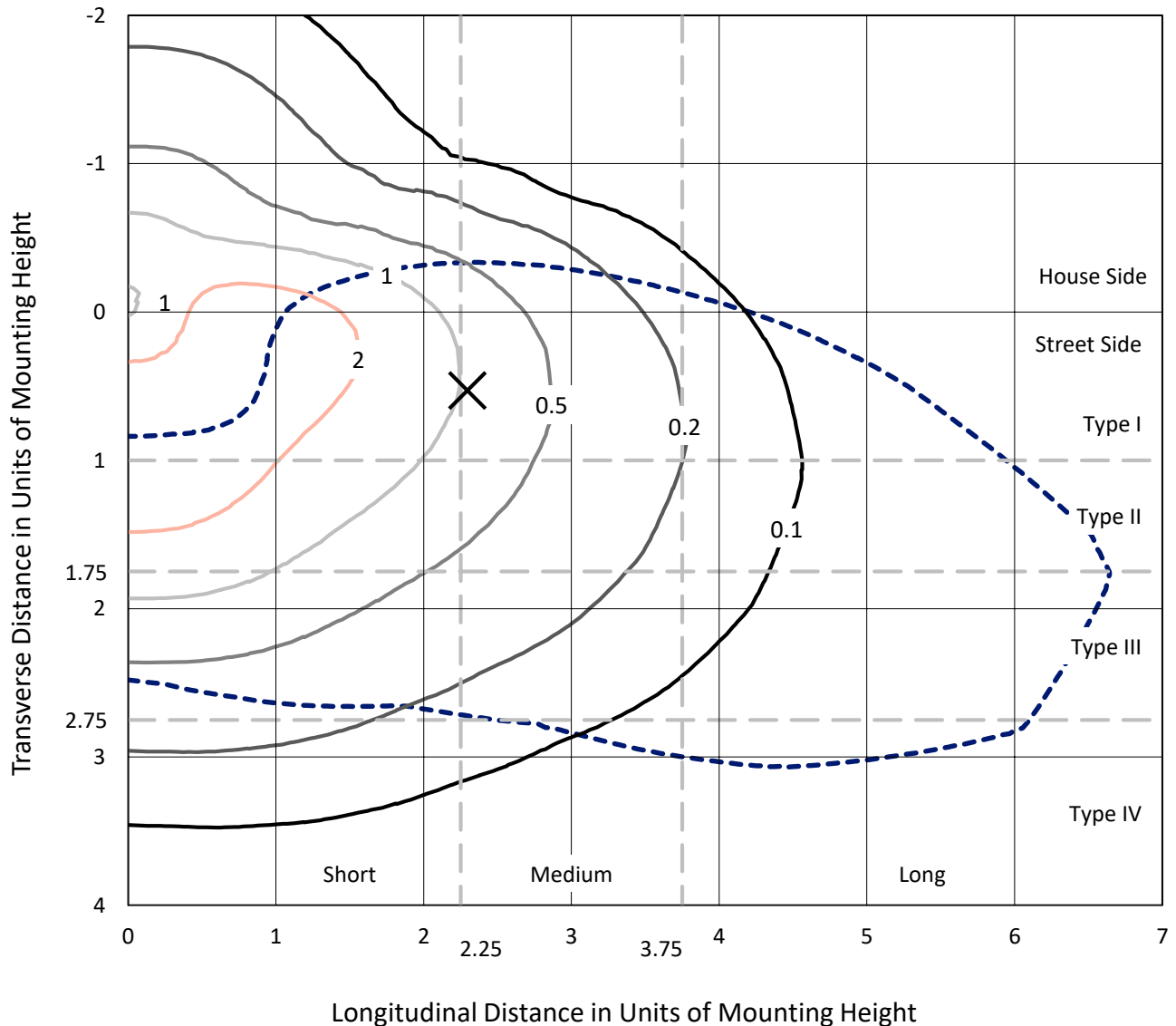


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

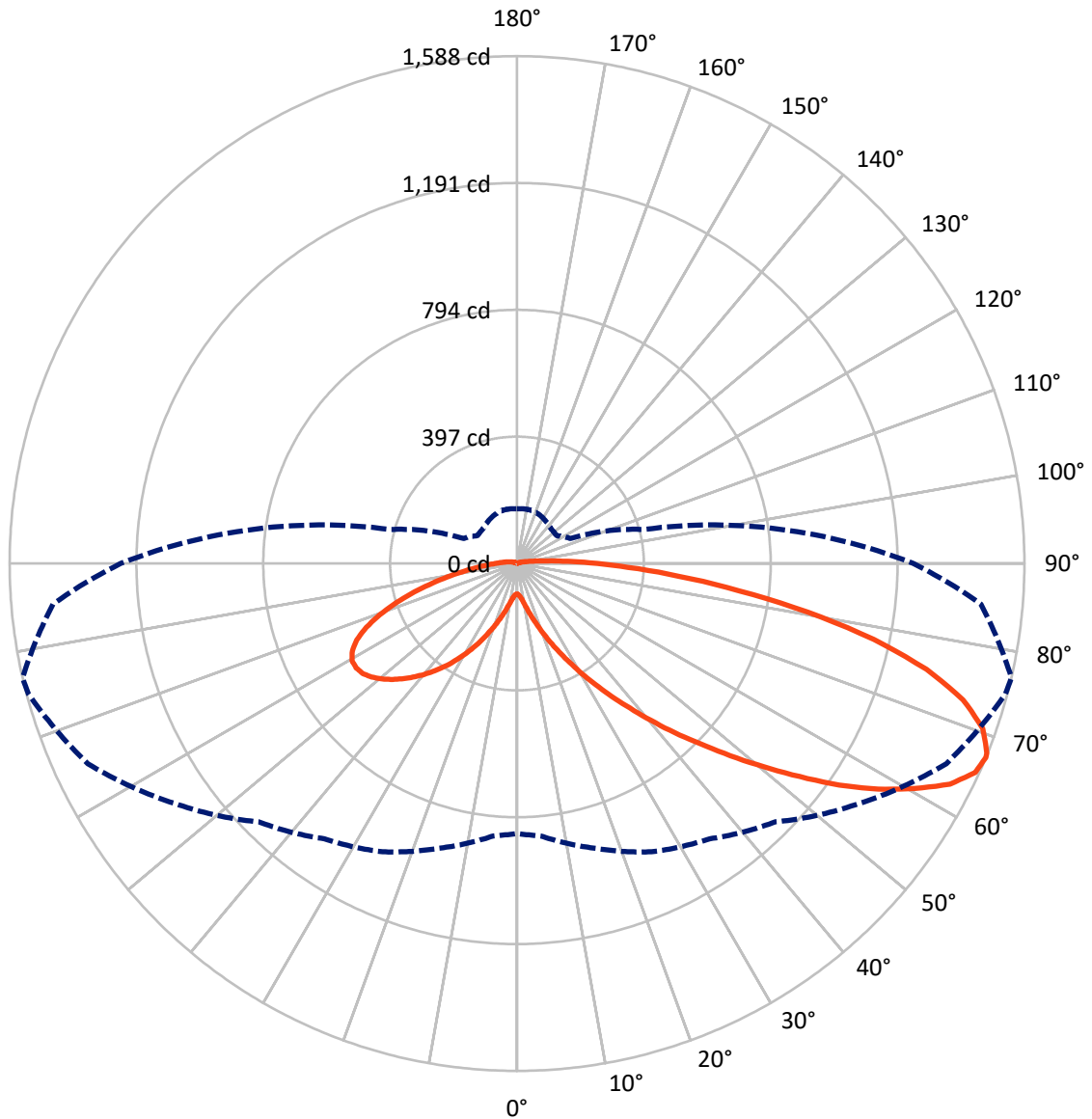


Based on 10 foot mounting height. Maximum calculated value = 3.6 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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

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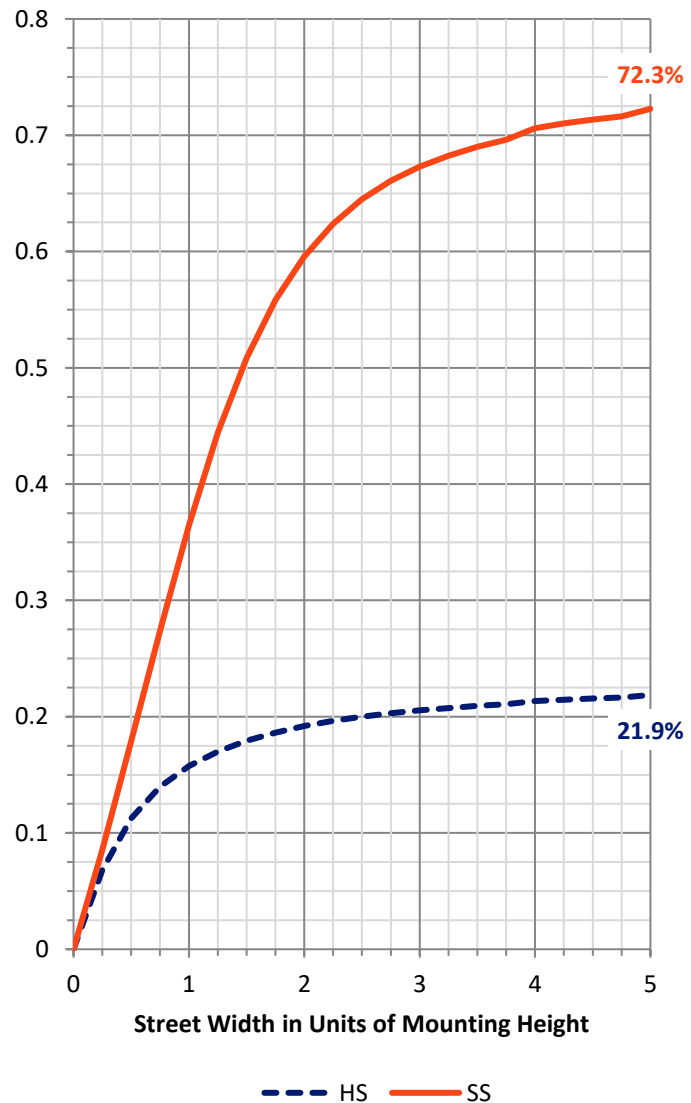
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	716.3	43.2	759.5
	% Fixture	22.8	1.4	24.2
Street Side	Lumens	2325.7	51.6	2377.3
	% Fixture	74.1	1.6	75.8
Total	Lumens	3042.0	94.8	3136.8
	% Fixture	97.0	3.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.4	0.3
10°-20°	46.4	1.5
20°-30°	122.0	3.9
30°-40°	249.4	8.0
40°-50°	432.3	13.8
50°-60°	641.2	20.4
60°-70°	744.1	23.7
70°-80°	562.1	17.9
80°-90°	234.2	7.5
90°-100°	62.1	2.0
100°-110°	20.2	0.6
110°-120°	8.0	0.3
120°-130°	3.0	0.1
130°-140°	1.1	0.0
140°-150°	0.3	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3042.0	97.0
0°-180°	3136.8	100.0



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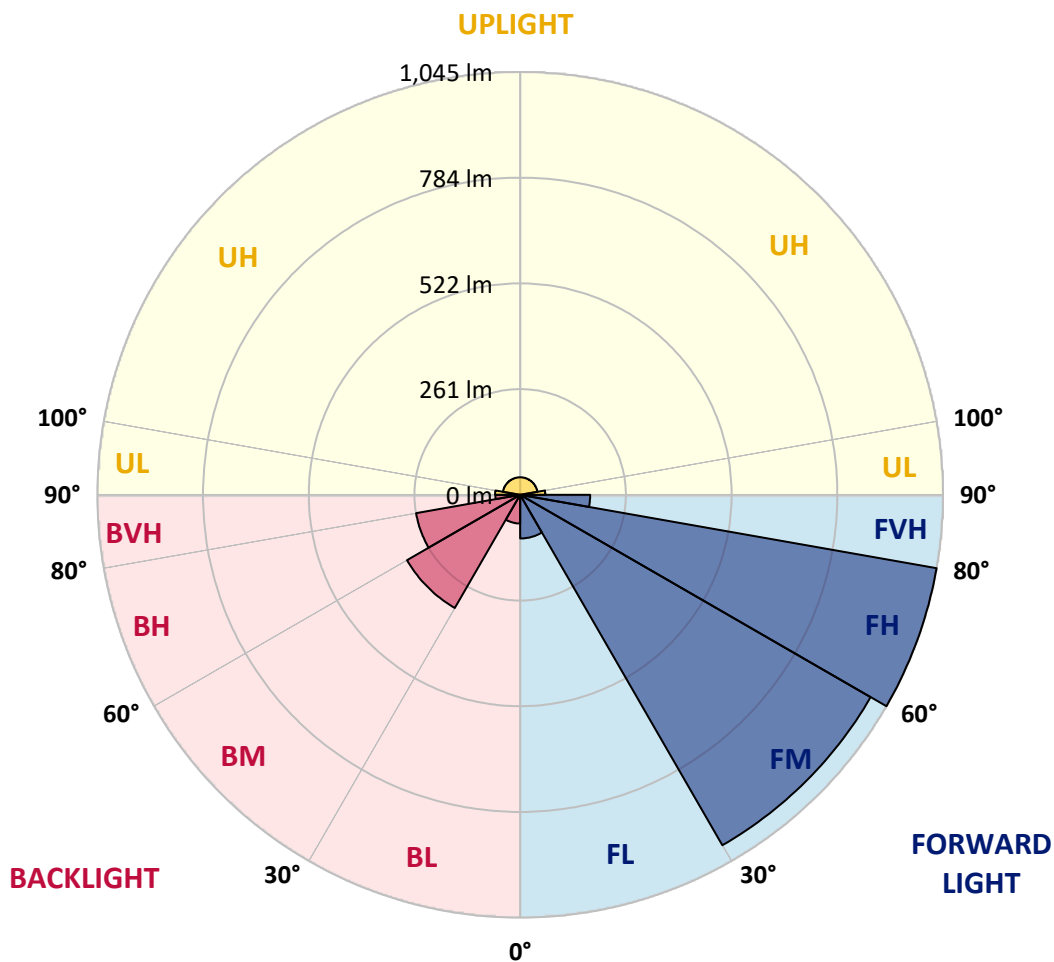
CATALOG NUMBER: LXF.LXT-AF24-30-D-U-T3-TL-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	107.8	3.4			
FM	(30°-60°)	999.9	31.9			
FH	(60°-80°)	1045.0	33.3			G1/1800
FVH	(80°-90°)	173.0	5.5			G2/225
BL	(0°-30°)	70.9	2.3	B0/110		
BM	(30°-60°)	322.9	10.3	B1/1000		
BH	(60°-80°)	261.2	8.3	B1/500		G1/500
BVH	(80°-90°)	61.2	2.0			G1/100
UL	(90°-100°)	62.1	2.0		U3/500	
UH	(100°-180°)	43.2	1.4		U2/50	

BUG Rating: B1-U3-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
2.5°	100.7	100.7	101.5	101.1	101.1	100.4	100.0	98.9	98.2	98.2	97.8
5°	108.2	108.2	108.6	108.9	108.2	107.8	106.7	105.2	104.2	104.2	103.4
7.5°	119.4	119.4	119.1	119.4	119.1	118.3	116.8	116.1	113.8	114.1	113.1
10°	135.6	135.6	134.8	135.6	133.8	133.0	131.7	130.7	128.1	128.8	127.0
12.5°	158.4	158.4	157.7	156.6	153.9	152.4	151.7	150.9	148.7	149.0	146.9
15°	185.7	185.4	184.6	183.1	178.9	177.1	175.3	174.2	172.3	172.9	170.8
17.5°	218.0	217.2	214.5	212.3	208.2	205.2	202.5	201.5	199.2	199.6	196.5
20°	255.0	254.2	250.9	247.5	241.6	237.4	234.8	232.1	229.9	232.1	226.6
22.5°	298.9	299.6	292.5	287.3	278.3	273.0	269.7	267.3	265.2	267.0	260.6
25°	349.0	348.6	340.8	334.0	321.3	312.3	307.4	305.9	304.9	306.4	301.8
27.5°	406.7	405.2	396.6	382.3	368.1	354.2	347.9	349.0	348.6	349.7	345.3
30°	470.7	470.0	458.1	437.8	419.0	400.3	394.3	394.0	397.2	399.6	390.6
32.5°	541.5	542.3	526.1	500.0	472.2	451.6	446.0	446.8	451.2	450.9	444.1
35°	619.7	619.7	602.9	569.9	533.3	506.6	500.3	507.4	510.0	510.8	500.6
37.5°	703.3	702.1	686.3	643.7	601.8	566.9	555.7	564.7	574.8	573.7	563.2
40°	792.7	789.7	769.1	721.6	670.7	628.8	616.0	629.9	644.4	645.1	632.5
42.5°	878.1	875.5	854.2	803.3	742.2	699.1	684.9	700.3	721.2	723.1	700.3
45°	958.3	957.8	938.4	886.0	819.3	769.5	755.3	775.5	804.7	804.7	780.7
47.5°	1033.9	1029.4	1016.6	964.2	901.4	842.6	828.7	856.8	897.2	898.3	870.2
50°	1091.9	1089.0	1082.5	1035.0	971.0	917.8	905.1	947.1	994.3	998.3	963.8
52.5°	1132.0	1128.9	1133.9	1096.9	1039.2	992.0	987.4	1039.5	1100.9	1107.7	1066.5
55°	1147.8	1148.9	1164.6	1140.2	1094.6	1057.1	1073.3	1137.6	1210.3	1223.3	1169.5
57.5°	1139.9	1143.3	1170.9	1165.7	1133.9	1109.5	1151.9	1232.8	1320.0	1332.4	1270.5
60°	1098.7	1105.8	1146.6	1160.5	1148.6	1156.4	1221.5	1329.0	1424.0	1429.7	1367.6
62.5°	1031.6	1039.5	1093.0	1128.9	1136.9	1173.2	1272.5	1409.9	1510.6	1520.4	1429.7
65°	936.6	947.9	1007.4	1069.8	1101.4	1168.0	1305.7	1462.3	1565.6	1575.7	1461.3
67°	844.5	855.6	921.6	995.4	1051.5	1143.3	1308.4	1481.8	1581.7	1587.7	1457.1
67.5°	819.3	830.9	896.9	974.0	1035.8	1133.6	1306.2	1483.6	1581.7	1585.5	1451.4
70°	682.4	697.6	764.7	853.5	935.0	1066.2	1273.2	1460.0	1553.6	1546.6	1382.9
72.5°	539.6	553.8	619.4	713.4	807.0	964.2	1199.0	1390.5	1468.3	1459.7	1270.2
75°	403.2	415.3	478.2	569.6	668.7	830.6	1083.0	1277.4	1332.4	1323.3	1114.5
77.5°	288.7	298.5	352.8	436.6	528.4	684.9	926.8	1117.0	1151.5	1141.0	925.3
80°	198.5	210.1	249.0	324.0	402.5	535.9	747.5	909.9	933.9	923.0	723.1
82.5°	131.1	137.4	171.9	232.5	298.1	406.3	571.4	706.0	726.5	700.3	536.3
85°	85.3	86.9	113.1	159.8	214.9	295.1	419.0	518.7	528.0	508.5	381.6
87.5°	52.5	54.6	72.9	104.9	148.3	207.8	296.2	362.5	364.0	348.2	257.7
90°	33.7	35.2	46.8	68.2	100.7	141.6	199.6	240.8	239.8	227.3	164.4
92.5°	23.2	23.9	32.6	46.8	65.5	93.2	128.1	152.1	149.8	142.7	103.7
95°	16.8	17.6	23.9	34.1	45.7	61.4	79.8	92.1	89.5	85.0	65.1
97.5°	12.3	13.1	18.3	25.7	34.1	42.3	51.4	55.0	54.3	52.0	43.4
100°	9.4	10.2	14.2	20.2	26.6	31.4	35.9	36.3	35.2	34.4	31.4
102.5°	7.8	8.2	11.6	16.8	21.8	25.1	27.0	26.6	25.1	24.7	23.2
105°	6.8	7.1	10.2	14.2	18.0	21.0	21.8	20.6	18.7	18.3	17.6
107.5°	6.0	6.0	8.6	12.3	15.8	17.6	18.0	16.1	13.8	13.4	13.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
110°	5.3	5.3	7.5	10.5	13.4	15.0	15.0	12.8	9.8	9.4	9.8
112.5°	4.5	4.9	6.3	9.0	11.6	12.8	12.3	10.2	7.1	6.8	7.1
115°	4.2	4.2	5.6	7.8	9.8	10.8	10.2	7.5	5.3	4.9	5.3
117.5°	3.8	3.8	4.9	6.8	8.2	9.0	8.2	6.0	3.8	3.8	4.2
120°	3.4	3.4	4.2	5.6	7.1	7.5	6.3	4.5	2.9	2.9	3.4
122.5°	2.9	2.9	3.8	4.9	6.0	6.0	5.3	3.4	2.3	2.3	2.6
125°	2.6	2.9	3.4	4.2	4.9	4.9	4.2	2.6	1.8	2.3	2.6
127.5°	2.6	2.6	2.9	3.4	4.2	4.2	3.4	1.8	1.8	1.8	2.3
130°	2.3	2.3	2.6	2.9	3.4	3.4	2.6	1.5	1.8	1.8	2.3
132.5°	2.3	2.3	2.3	2.6	2.6	2.6	1.8	1.5	1.5	1.8	1.8
135°	1.8	1.8	1.8	2.3	2.3	1.8	1.1	1.1	1.5	1.5	1.8
137.5°	1.5	1.5	1.8	1.5	1.5	1.5	1.1	1.1	1.5	1.5	1.5
140°	1.5	1.5	1.5	1.1	1.1	0.8	0.8	1.1	1.1	1.5	1.5
142.5°	0.8	1.1	1.1	0.8	0.8	0.3	0.8	0.8	1.1	1.1	1.1
145°	0.3	0.3	0.8	0.3	0.3	0.3	0.3	0.8	0.8	1.1	1.1
147.5°	0.0	0.3	0.3	0.3	0.0	0.0	0.3	0.3	0.8	0.8	0.8
150°	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.8	0.8	0.8
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3
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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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
2.5°	97.4	97.0	95.8	95.2	94.7	94.4	94.0	93.6	93.6	93.6	93.6
5°	102.6	102.2	100.4	98.9	97.8	96.5	95.8	95.2	94.7	94.4	94.0
7.5°	112.0	110.8	108.6	106.0	103.4	101.1	99.7	98.9	97.8	97.4	97.0
10°	125.8	124.7	120.6	116.1	112.0	108.6	106.0	104.5	103.7	103.0	103.0
12.5°	144.9	144.2	137.0	131.4	123.6	118.3	115.4	114.1	113.8	113.1	113.4
15°	167.7	166.3	156.9	148.3	137.7	131.4	127.0	125.1	124.3	123.3	123.6
17.5°	193.9	189.1	178.2	165.1	152.4	144.5	138.5	135.2	134.1	133.3	133.8
20°	222.8	218.0	201.5	182.8	167.3	157.3	149.0	144.9	143.4	143.4	143.4
22.5°	256.1	249.7	226.9	201.8	181.6	167.3	158.0	153.9	152.4	152.4	152.8
25°	294.4	283.8	254.7	222.1	195.1	176.0	166.3	161.8	160.6	160.6	161.0
27.5°	335.9	321.7	283.1	240.4	204.9	182.0	171.5	167.7	167.0	167.0	167.3
30°	381.2	362.5	312.3	256.9	212.3	185.7	174.5	171.5	171.1	171.5	171.5
32.5°	429.2	407.7	341.1	270.8	217.2	187.6	176.4	174.5	174.2	175.0	174.2
35°	481.2	452.8	370.0	282.0	220.1	188.0	177.1	176.0	176.0	175.6	175.3
37.5°	537.3	499.6	396.6	290.2	220.1	187.3	176.8	176.4	176.4	175.6	175.0
40°	601.8	550.4	421.3	295.1	218.0	184.9	176.0	176.0	175.6	174.2	173.4
42.5°	664.3	603.2	444.9	295.9	214.1	182.0	175.0	175.6	175.0	171.9	171.1
45°	734.0	660.6	465.9	294.7	208.9	178.9	173.7	175.3	173.7	170.0	169.3
47.5°	814.8	722.3	484.2	290.2	202.2	175.6	172.3	174.2	173.4	169.0	168.2
50°	898.0	784.2	498.8	283.8	195.5	172.6	171.1	173.7	172.9	168.2	167.3
52.5°	984.9	848.2	509.2	273.7	188.4	169.7	170.0	173.4	173.4	168.5	167.7
55°	1071.0	906.2	514.2	261.0	180.9	167.0	169.0	173.4	174.5	169.7	169.0
57.5°	1150.4	953.1	511.6	246.4	173.7	164.0	168.2	172.9	175.3	170.8	170.0
60°	1216.6	994.3	500.3	230.6	167.7	161.3	167.0	172.9	175.6	172.3	171.5
62.5°	1257.1	1008.8	477.5	213.8	161.8	158.4	165.1	172.3	175.3	172.6	171.9
65°	1265.0	997.5	444.9	197.8	156.1	155.0	162.1	170.0	174.2	172.6	171.5
67°	1240.2	964.2	410.9	184.9	151.4	151.7	159.5	167.7	172.6	172.3	170.8
67.5°	1229.3	951.8	402.2	181.6	150.6	150.6	158.8	167.0	172.3	171.9	170.8
70°	1156.7	877.8	352.8	165.8	144.5	145.7	153.9	163.3	169.0	169.3	168.5
72.5°	1041.0	774.0	302.9	150.9	137.7	139.3	147.5	156.9	163.3	164.0	162.9
75°	888.6	651.9	253.5	137.4	130.3	131.4	139.7	148.7	155.3	156.6	155.3
77.5°	734.7	521.6	207.0	124.7	121.3	123.3	130.3	138.5	144.9	145.7	144.9
80°	562.0	395.8	165.1	112.7	111.6	113.4	119.4	126.5	132.2	133.0	132.2
82.5°	412.7	290.2	130.7	100.7	100.4	102.2	107.1	113.8	118.3	118.6	117.6
85°	294.4	204.9	104.2	87.6	88.4	89.1	93.6	98.9	102.6	103.0	100.7
87.5°	197.3	139.7	81.3	75.3	76.1	76.1	78.6	83.1	85.8	85.3	83.5
90°	128.8	95.2	65.5	64.0	64.5	64.5	65.5	68.5	70.8	69.6	68.5
92.5°	83.1	66.6	54.0	54.6	54.6	54.0	54.3	56.6	57.7	56.6	55.8
95°	56.6	49.0	44.9	46.1	46.4	44.9	44.9	46.1	46.8	45.4	44.1
97.5°	40.9	37.8	37.0	38.9	38.6	37.4	36.7	37.0	37.4	35.6	34.9
100°	30.7	29.9	30.4	32.6	32.2	31.0	30.4	29.9	29.6	27.8	27.4
102.5°	23.9	23.6	25.1	27.0	26.6	25.4	24.7	24.4	23.6	21.3	21.3
105°	18.3	18.7	20.6	22.5	22.1	21.3	20.6	19.8	18.3	16.5	16.5
107.5°	13.8	14.6	16.8	18.7	18.3	17.6	16.8	16.1	14.2	12.8	12.8



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CATALOG NUMBER: LXF.LXT-AF24-30-D-U-T3-TL-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	10.5	11.3	13.4	15.4	15.0	14.6	13.8	12.8	10.8	9.8	9.4
112.5°	7.8	8.6	10.8	12.3	12.3	12.0	11.3	10.2	8.2	7.5	7.1
115°	6.0	6.8	8.6	9.8	9.8	9.4	9.0	7.8	6.0	5.6	5.6
117.5°	4.9	5.3	6.8	7.8	7.8	7.5	7.1	6.0	4.5	4.5	4.5
120°	3.8	4.2	5.3	6.0	6.0	5.6	5.3	4.5	3.4	3.4	3.4
122.5°	3.4	3.4	4.2	4.9	4.5	4.5	4.2	3.4	2.6	2.6	2.6
125°	2.6	2.9	3.4	3.8	3.4	3.4	2.9	2.6	2.3	2.3	2.3
127.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.3	1.8	1.5	1.8	1.8
130°	2.3	2.3	2.3	2.3	1.8	1.8	1.5	1.1	1.1	1.5	1.5
132.5°	2.3	2.3	2.3	1.8	1.5	1.1	1.1	0.8	1.1	1.1	1.1
135°	1.8	1.8	1.8	1.5	1.1	0.8	0.3	0.3	0.8	0.8	0.8
137.5°	1.8	1.8	1.5	1.5	1.1	0.3	0.0	0.3	0.3	0.3	0.3
140°	1.5	1.5	1.5	1.1	0.8	0.3	0.0	0.0	0.3	0.3	0.0
142.5°	1.5	1.5	1.1	0.8	0.3	0.0	0.0	0.0	0.3	0.0	0.0
145°	1.1	1.1	1.1	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	1.1	1.1	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.8	0.8	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.8	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.3	0.3	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)