

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: P255166

Luminaire Tested: **LXF.LXT-AF24-30-D-U-T4W-TL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P255166
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-35)
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-T4W-TL-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3116.1 lumens
Efficiency: N/A
Efficacy: 100.5 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - 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

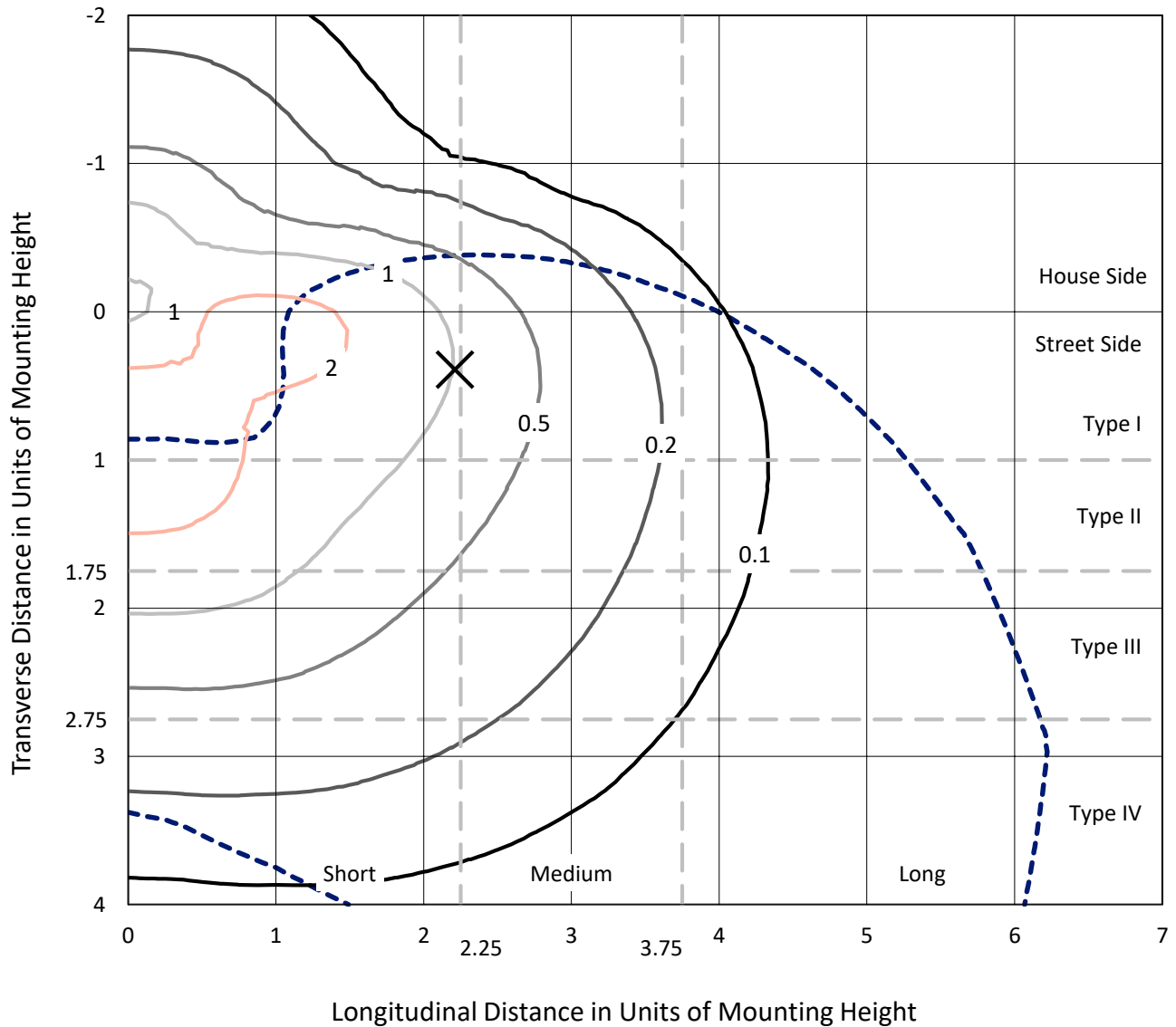


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

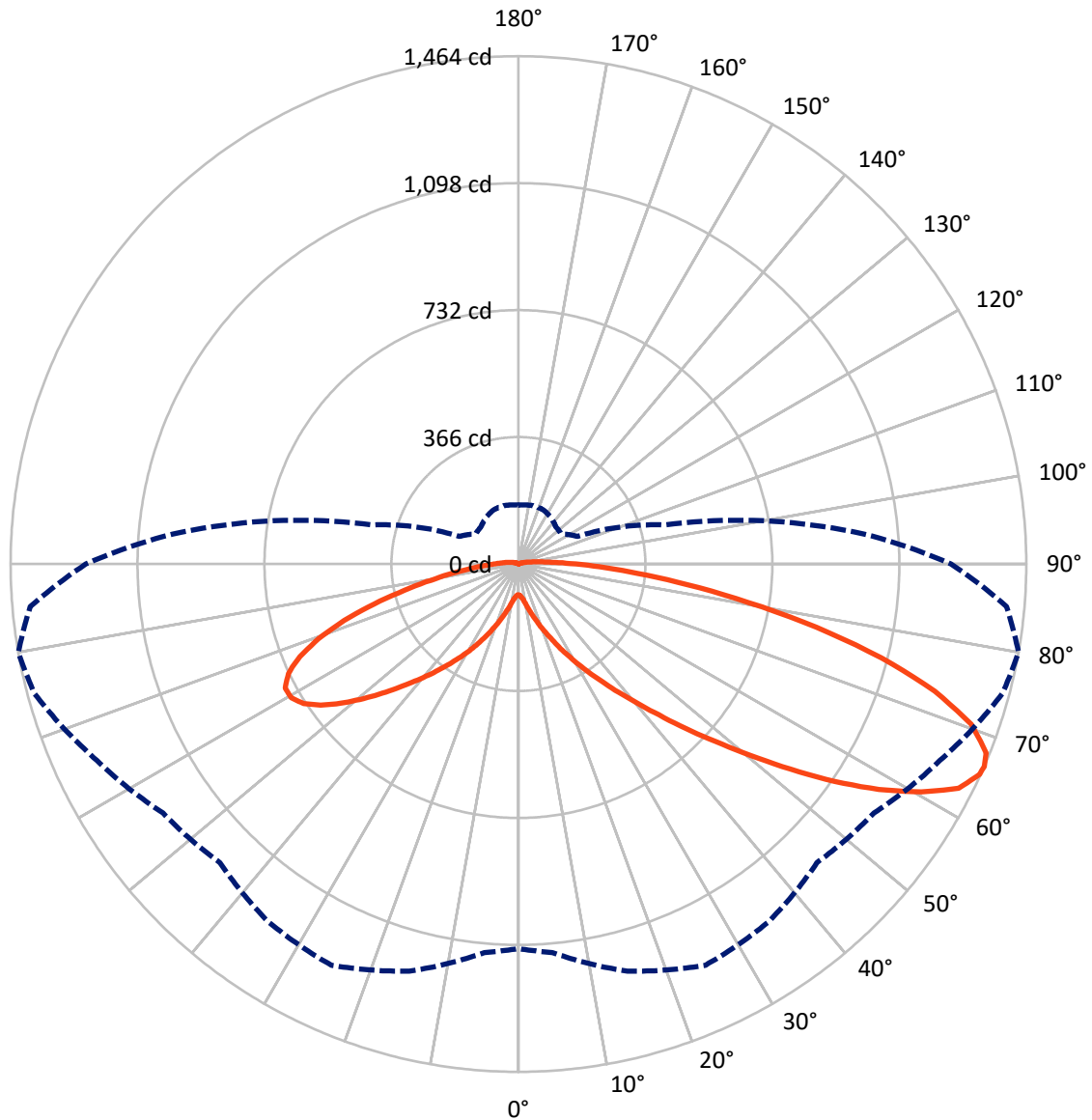


Based on 10 foot mounting height. Maximum calculated value = 3.2 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 80-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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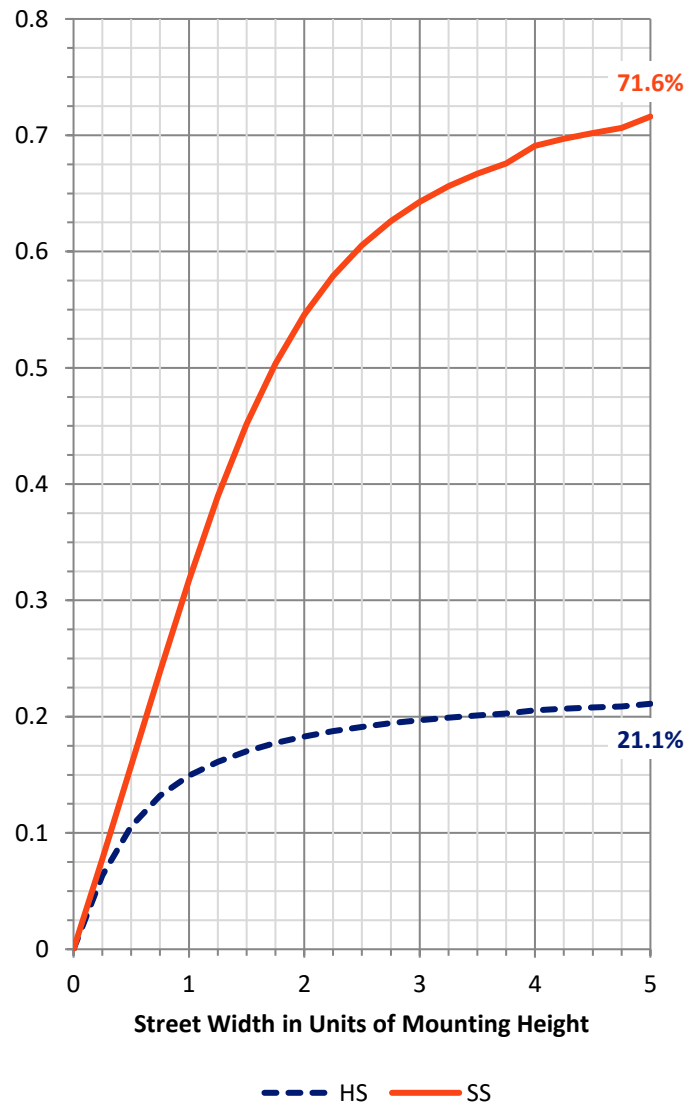
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	691.0	44.5	735.6
	% Fixture	22.2	1.4	23.6
Street Side	Lumens	2320.8	59.7	2380.5
	% Fixture	74.5	1.9	76.4
Total	Lumens	3011.9	104.2	3116.1
	% Fixture	96.7	3.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.6	0.3
10°-20°	42.3	1.4
20°-30°	108.0	3.5
30°-40°	213.7	6.9
40°-50°	370.4	11.9
50°-60°	590.7	19.0
60°-70°	768.0	24.6
70°-80°	635.2	20.4
80°-90°	274.0	8.8
90°-100°	71.5	2.3
100°-110°	21.1	0.7
110°-120°	7.9	0.3
120°-130°	2.7	0.1
130°-140°	0.9	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°	3011.9	96.7
0°-180°	3116.1	100.0



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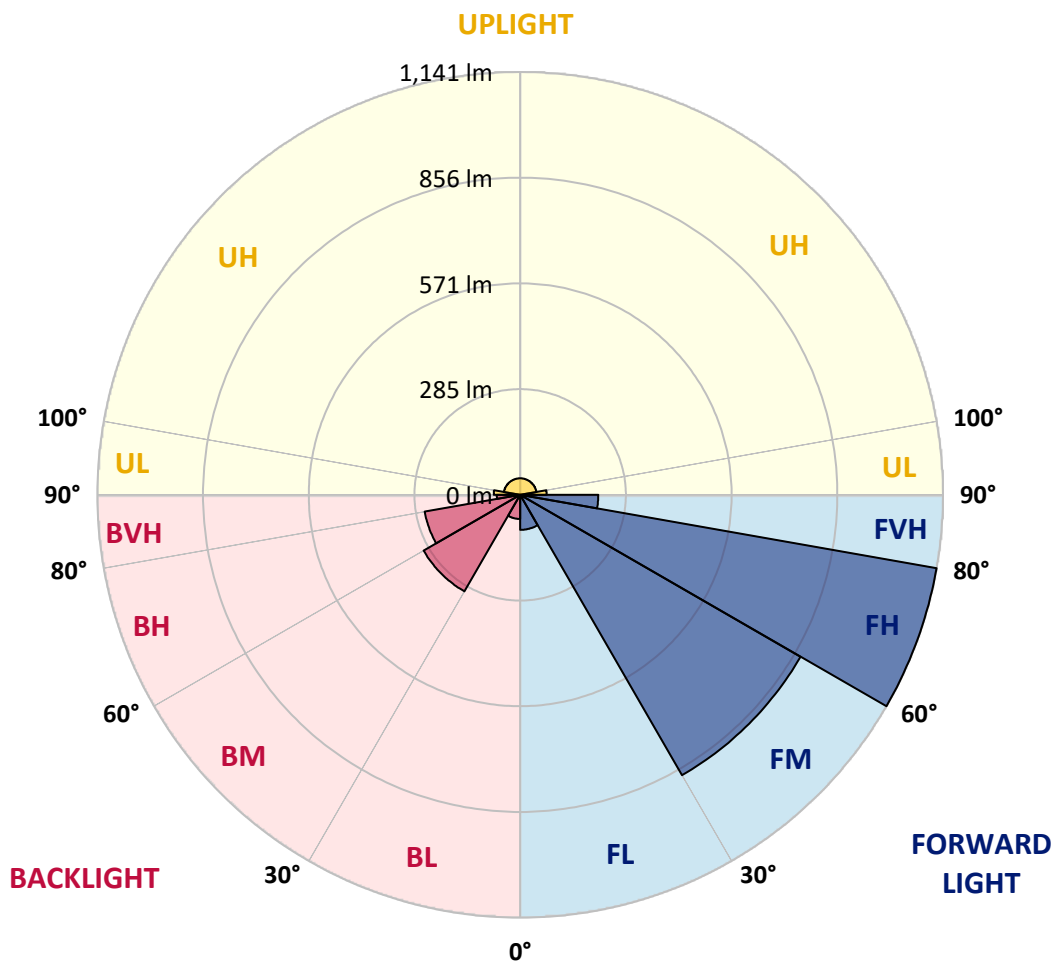
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	94.7	3.0			
FM (30°-60°)	873.9	28.0			
FH (60°-80°)	1141.4	36.6			G1/1800
FVH (80°-90°)	210.9	6.8			G2/225
BL (0°-30°)	65.2	2.1	B0/110		
BM (30°-60°)	301.0	9.7	B1/1000		
BH (60°-80°)	261.7	8.4	B1/500		G1/500
BVH (80°-90°)	63.1	2.0			G1/100
UL (90°-100°)	71.5	2.3		U3/500	
UH (100°-180°)	44.5	1.4		U2/50	

BUG Rating: B1-U3-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	80°	85°
0°	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
2.5°	95.5	95.2	95.5	95.5	95.2	94.7	93.6	92.9	91.8	91.0	90.5
5°	103.4	103.0	103.0	103.0	102.6	101.8	100.4	98.9	97.4	96.2	95.8
7.5°	114.6	113.5	113.5	113.1	112.3	111.2	109.4	107.8	106.3	104.5	103.7
10°	129.9	129.3	128.1	127.3	125.4	124.3	122.1	120.1	119.1	117.6	116.2
12.5°	148.3	149.4	148.7	145.7	143.4	141.6	138.5	137.4	136.3	134.5	133.3
15°	172.3	173.0	171.1	168.2	164.4	162.1	159.2	156.6	155.8	153.5	152.1
17.5°	199.6	201.1	198.1	193.6	188.8	183.5	181.3	178.6	177.5	175.3	173.7
20°	232.1	233.7	229.6	222.8	215.7	208.2	205.6	202.5	202.2	200.0	198.9
22.5°	270.4	271.5	265.2	255.4	245.3	235.6	231.4	228.5	228.8	226.9	226.6
25°	314.5	315.0	305.9	293.3	277.8	264.7	259.2	257.7	259.2	258.1	257.3
27.5°	364.4	364.1	355.7	336.0	312.7	294.8	288.0	288.3	291.7	292.5	292.5
30°	419.4	420.9	407.1	381.2	350.9	326.1	319.0	320.5	330.3	330.3	330.3
32.5°	483.5	483.2	467.4	429.9	392.1	361.7	352.4	353.9	365.9	371.5	369.7
35°	555.0	554.3	534.9	486.9	437.0	399.6	386.9	394.0	410.5	416.9	415.3
37.5°	631.7	631.7	608.9	550.1	486.1	440.8	426.8	434.8	458.1	468.5	462.9
40°	710.4	710.8	683.9	621.6	541.9	485.7	470.1	483.8	516.5	526.5	522.8
42.5°	789.1	786.7	761.7	692.4	601.8	536.3	517.3	540.4	580.0	594.4	589.1
45°	868.5	867.0	844.1	767.0	667.3	591.0	571.1	601.0	652.8	675.6	670.3
47.5°	945.2	945.2	923.9	841.9	738.5	653.2	635.2	672.3	737.7	762.8	763.9
50°	1017.5	1018.7	1000.3	923.9	811.1	721.6	706.0	754.2	839.6	867.0	868.8
52.5°	1085.0	1087.9	1075.9	1009.2	892.4	798.0	786.7	841.6	941.5	981.5	986.4
55°	1144.8	1146.0	1144.5	1088.7	975.9	878.2	874.4	939.9	1062.9	1105.9	1105.9
57.5°	1186.8	1193.5	1207.5	1162.1	1062.9	965.9	965.1	1042.3	1174.1	1225.4	1222.4
60°	1205.9	1213.4	1248.7	1227.6	1143.4	1053.8	1061.7	1149.0	1292.4	1333.6	1331.0
62.5°	1193.8	1203.6	1261.0	1271.4	1207.5	1135.9	1150.8	1244.8	1375.6	1423.8	1394.5
65°	1138.5	1152.6	1232.9	1281.2	1249.7	1198.3	1226.9	1320.1	1432.5	1460.9	1416.8
66°	1108.1	1123.8	1214.5	1275.5	1257.9	1216.7	1250.5	1339.9	1443.4	1463.5	1412.2
67.5°	1057.6	1070.3	1174.1	1255.3	1261.7	1241.5	1278.6	1359.4	1440.4	1453.8	1387.9
70°	939.6	955.4	1069.9	1192.4	1242.6	1257.2	1298.0	1357.2	1403.7	1384.9	1297.2
72.5°	796.2	820.9	934.7	1084.2	1182.3	1233.2	1277.8	1308.2	1306.3	1255.3	1150.8
75°	634.0	649.3	769.9	931.8	1069.2	1163.9	1208.5	1203.3	1156.4	1080.0	962.8
77.5°	473.4	488.7	595.8	755.4	912.7	1032.5	1072.9	1050.1	963.2	878.6	765.2
80°	333.3	346.8	436.3	585.3	737.4	861.0	894.8	862.0	755.7	671.8	575.2
82.5°	227.4	233.3	308.2	437.4	574.8	680.1	712.7	670.8	569.2	489.5	414.2
85°	139.8	148.3	209.3	311.6	422.9	503.6	529.2	496.2	408.9	345.3	285.3
87.5°	81.6	86.6	129.6	210.1	304.1	370.4	383.5	352.8	280.5	233.7	189.4
90°	43.8	47.5	74.6	131.1	206.4	256.1	265.9	237.4	183.5	149.0	121.4
92.5°	25.9	28.1	44.6	79.0	132.2	168.5	175.3	152.4	115.4	95.5	79.4
95°	16.8	18.3	29.2	49.3	81.3	106.7	110.2	94.4	72.9	63.0	55.0
97.5°	12.3	13.1	21.0	33.7	51.4	65.5	68.2	58.5	48.3	43.4	39.4
100°	9.8	10.5	16.1	24.7	34.4	42.3	43.0	38.2	33.4	30.7	29.2
102.5°	8.2	8.6	13.1	19.4	25.9	29.9	30.4	27.0	23.6	22.1	21.8
105°	7.1	7.5	11.3	16.1	20.6	23.3	23.3	20.2	17.3	16.1	16.5
107.5°	6.0	6.3	9.4	13.4	17.3	19.1	18.7	15.8	12.8	11.6	12.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	80°	85°
110°	5.3	5.6	8.2	11.6	15.0	16.1	15.4	12.3	9.0	8.2	8.6
112.5°	4.9	4.9	7.1	10.2	12.8	13.4	12.3	9.4	6.3	6.0	6.3
115°	4.2	4.5	6.0	8.6	10.5	11.3	10.2	7.1	4.5	4.5	4.9
117.5°	3.8	4.2	5.3	7.1	9.0	9.4	8.2	5.6	3.4	3.4	3.8
120°	3.4	3.4	4.5	6.0	7.5	7.5	6.3	4.2	2.6	2.6	2.9
122.5°	2.9	3.4	3.8	4.9	6.0	6.0	4.9	2.9	2.3	2.3	2.6
125°	2.6	2.9	3.4	4.2	4.9	4.9	3.8	2.3	1.8	2.3	2.3
127.5°	2.6	2.6	2.9	3.4	4.2	3.8	2.9	1.5	1.8	1.8	2.3
130°	2.3	2.3	2.6	2.6	2.9	2.9	2.3	1.5	1.5	1.8	1.8
132.5°	1.8	1.8	2.3	2.3	2.6	2.3	1.5	1.1	1.5	1.5	1.8
135°	1.5	1.5	1.5	1.8	1.8	1.5	1.1	1.1	1.5	1.5	1.5
137.5°	1.5	1.1	1.5	1.5	1.1	0.8	0.8	0.8	1.1	1.5	1.5
140°	0.8	0.8	0.8	0.8	0.8	0.3	0.3	0.8	1.1	1.1	1.5
142.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.8	0.8	1.1	1.1
145°	0.0	0.0	0.3	0.3	0.0	0.0	0.3	0.3	0.8	0.8	1.1
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.8	0.8	0.8
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.8
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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°	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
2.5°	90.2	89.9	88.7	88.0	87.3	86.6	86.6	86.6	86.1	85.8	85.8
5°	95.2	94.4	92.9	91.3	89.5	88.0	87.3	86.9	86.1	85.3	85.3
7.5°	103.0	101.8	99.2	96.2	94.4	92.1	91.3	90.5	89.5	88.7	88.4
10°	114.9	113.1	108.9	105.2	101.5	98.5	97.4	96.5	95.8	95.8	95.8
12.5°	131.1	128.8	123.6	116.8	112.3	107.8	106.3	106.0	106.3	106.7	106.7
15°	149.8	146.1	139.3	130.3	124.0	119.1	117.6	117.6	118.3	118.8	118.8
17.5°	171.5	167.0	155.8	145.4	136.7	131.4	129.3	129.3	130.7	131.4	131.8
20°	194.4	189.4	176.8	159.9	149.0	143.0	140.4	140.8	142.7	144.5	144.9
22.5°	220.6	214.9	195.9	175.3	161.0	153.2	150.1	151.4	154.3	156.9	157.7
25°	250.5	243.4	218.3	191.7	171.9	161.3	159.2	161.3	165.8	169.3	169.7
27.5°	283.1	274.1	241.1	206.7	180.2	166.6	165.2	169.7	175.0	178.9	179.7
30°	319.5	308.2	265.2	219.8	186.5	170.8	169.3	175.3	181.6	186.5	187.3
32.5°	359.9	344.5	288.3	231.1	190.2	172.3	171.5	178.6	186.5	191.4	192.1
35°	403.7	383.5	313.0	240.1	191.7	171.9	171.5	179.7	188.0	192.9	193.3
37.5°	452.5	427.6	336.6	246.8	191.4	170.5	170.5	178.9	186.9	191.4	191.4
40°	508.6	475.6	362.5	251.3	189.4	167.8	168.2	176.0	183.5	186.5	186.9
42.5°	572.6	531.0	386.1	253.2	185.7	164.8	164.8	172.6	178.6	180.2	180.2
45°	646.0	592.8	411.9	252.8	182.0	161.3	161.8	168.5	173.0	173.4	173.0
47.5°	734.0	664.4	436.3	251.3	176.8	158.0	159.2	165.2	168.5	168.2	167.8
50°	830.6	741.6	460.3	247.9	172.3	155.8	157.4	162.9	165.8	164.8	164.0
52.5°	935.1	822.0	481.7	242.7	167.3	153.9	156.6	162.1	164.8	162.9	162.9
55°	1043.3	901.8	498.4	234.8	163.3	152.8	156.9	162.1	165.2	163.3	163.3
57.5°	1141.4	970.3	506.3	225.8	159.9	152.4	157.7	164.0	166.6	165.2	165.2
60°	1218.6	1018.3	501.1	215.3	156.6	152.1	159.2	166.3	169.3	167.3	167.3
62.5°	1264.6	1039.6	482.4	204.1	153.9	152.4	161.3	169.7	171.9	169.7	169.0
65°	1262.8	1017.5	450.9	192.1	151.4	152.4	162.9	171.5	173.4	170.8	169.7
66°	1246.3	998.4	434.8	187.6	150.6	152.1	163.3	171.5	173.7	170.8	169.7
67.5°	1215.3	959.1	408.2	180.5	148.7	151.7	163.7	171.9	173.4	170.8	169.3
70°	1117.1	871.8	358.4	168.5	145.4	149.8	162.6	170.8	171.9	169.7	168.2
72.5°	970.3	747.9	307.9	156.6	140.8	145.7	159.5	167.0	169.0	166.6	165.2
75°	797.3	606.7	257.3	144.9	134.1	139.8	153.5	161.0	163.3	161.3	159.5
77.5°	619.8	464.4	209.0	133.8	126.2	132.2	145.4	152.1	154.3	152.1	150.9
80°	459.9	343.4	167.8	121.8	117.2	122.8	135.2	141.2	143.4	140.8	140.1
82.5°	330.0	249.0	133.8	108.6	106.3	111.6	122.8	128.1	129.9	128.5	125.8
85°	220.6	171.5	105.7	94.4	94.7	99.7	108.9	112.3	114.6	113.1	110.9
87.5°	149.4	117.6	83.5	80.2	81.3	84.6	93.2	95.8	97.4	95.5	95.2
90°	97.4	81.3	66.3	67.7	69.3	71.9	77.1	78.2	80.2	78.2	77.9
92.5°	66.3	59.5	54.0	56.6	58.5	60.3	63.3	64.0	65.5	64.0	63.3
95°	48.7	46.1	43.8	47.2	49.0	50.1	52.0	51.7	52.8	51.4	50.6
97.5°	37.0	35.6	35.9	38.9	40.9	41.5	42.3	41.5	41.9	40.4	39.7
100°	28.9	28.1	29.2	32.2	33.7	33.7	34.1	33.4	32.6	31.0	29.9
102.5°	22.1	22.1	23.6	26.6	27.8	27.8	27.4	26.2	25.1	23.6	23.6
105°	16.8	17.3	19.4	22.1	22.8	22.5	22.5	21.0	19.4	17.6	17.6
107.5°	12.8	13.1	15.4	18.0	18.7	18.7	18.0	16.5	14.6	13.1	13.1



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CATALOG NUMBER: LXF.LXT-AF24-30-D-U-T4W-TL-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	9.4	10.2	12.3	14.6	15.4	15.0	14.6	12.8	10.8	9.8	9.4
112.5°	7.1	7.5	9.8	11.6	12.3	12.3	11.6	9.8	7.8	7.1	7.1
115°	5.3	6.0	7.5	9.4	9.8	9.8	9.0	7.5	5.6	4.9	5.3
117.5°	4.2	4.5	6.0	7.5	7.5	7.5	6.8	5.3	4.2	3.8	3.8
120°	3.4	3.8	4.5	5.6	5.6	5.6	4.9	3.8	2.9	2.6	2.9
122.5°	2.6	2.9	3.4	4.2	4.2	4.2	3.8	2.6	1.8	1.8	2.3
125°	2.6	2.6	2.6	2.9	2.9	2.9	2.6	1.8	1.5	1.5	1.5
127.5°	2.3	2.3	2.3	2.3	2.3	1.8	1.5	1.1	0.8	1.1	1.1
130°	2.3	2.3	1.8	1.8	1.5	1.1	0.8	0.3	0.3	0.8	0.8
132.5°	1.8	1.8	1.8	1.5	1.1	0.8	0.3	0.0	0.0	0.3	0.3
135°	1.8	1.8	1.5	1.1	0.8	0.3	0.0	0.0	0.0	0.0	0.0
137.5°	1.5	1.5	1.5	1.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0
140°	1.5	1.5	1.1	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	1.1	1.1	1.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	1.1	1.1	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.8	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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

(END OF REPORT)