

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: P254311

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254311
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-19)
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-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3290.8 lumens
Efficiency: N/A
Efficacy: 106.2 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B1 - U3 - G2

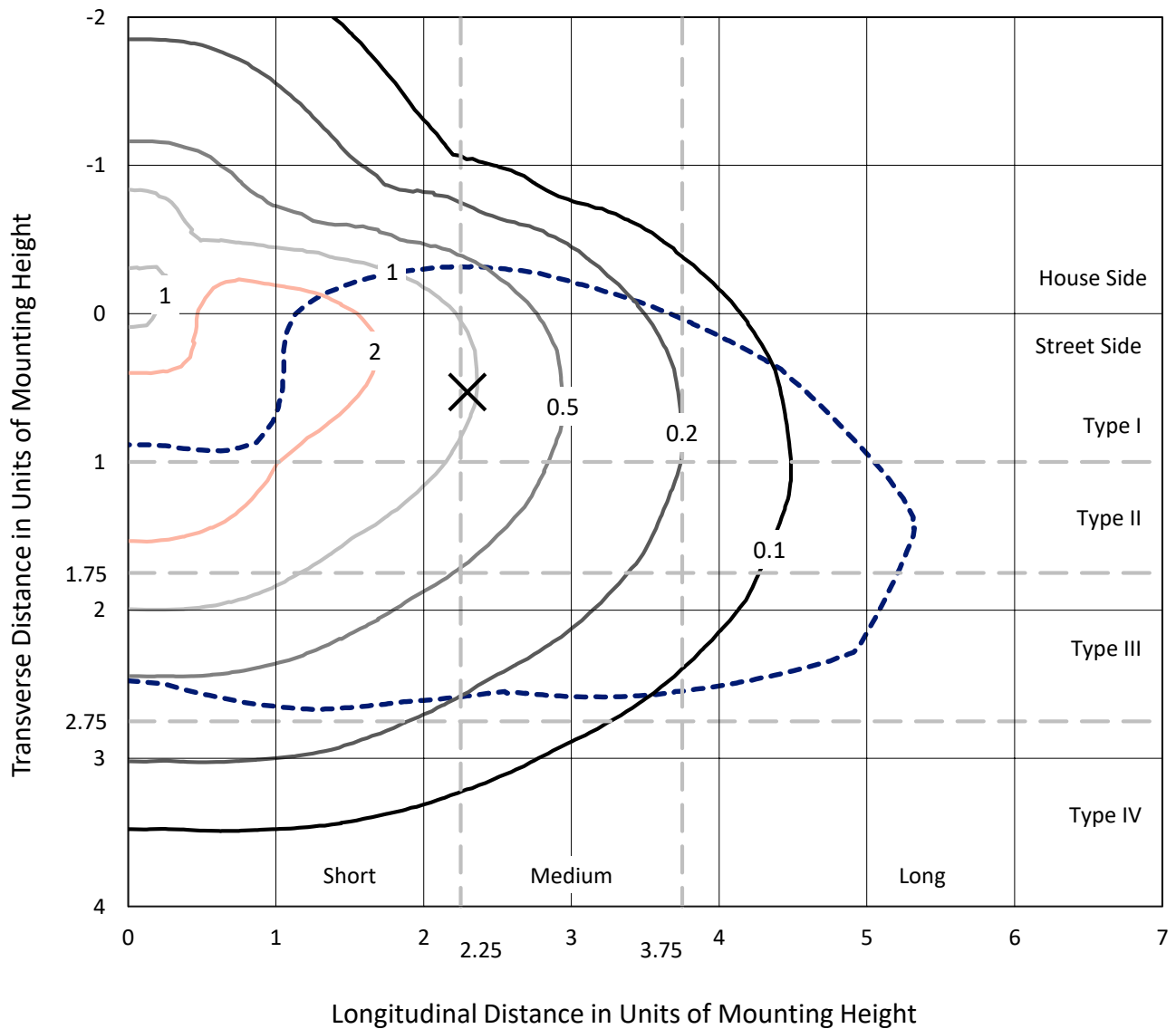
Input Watts (W): 31
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

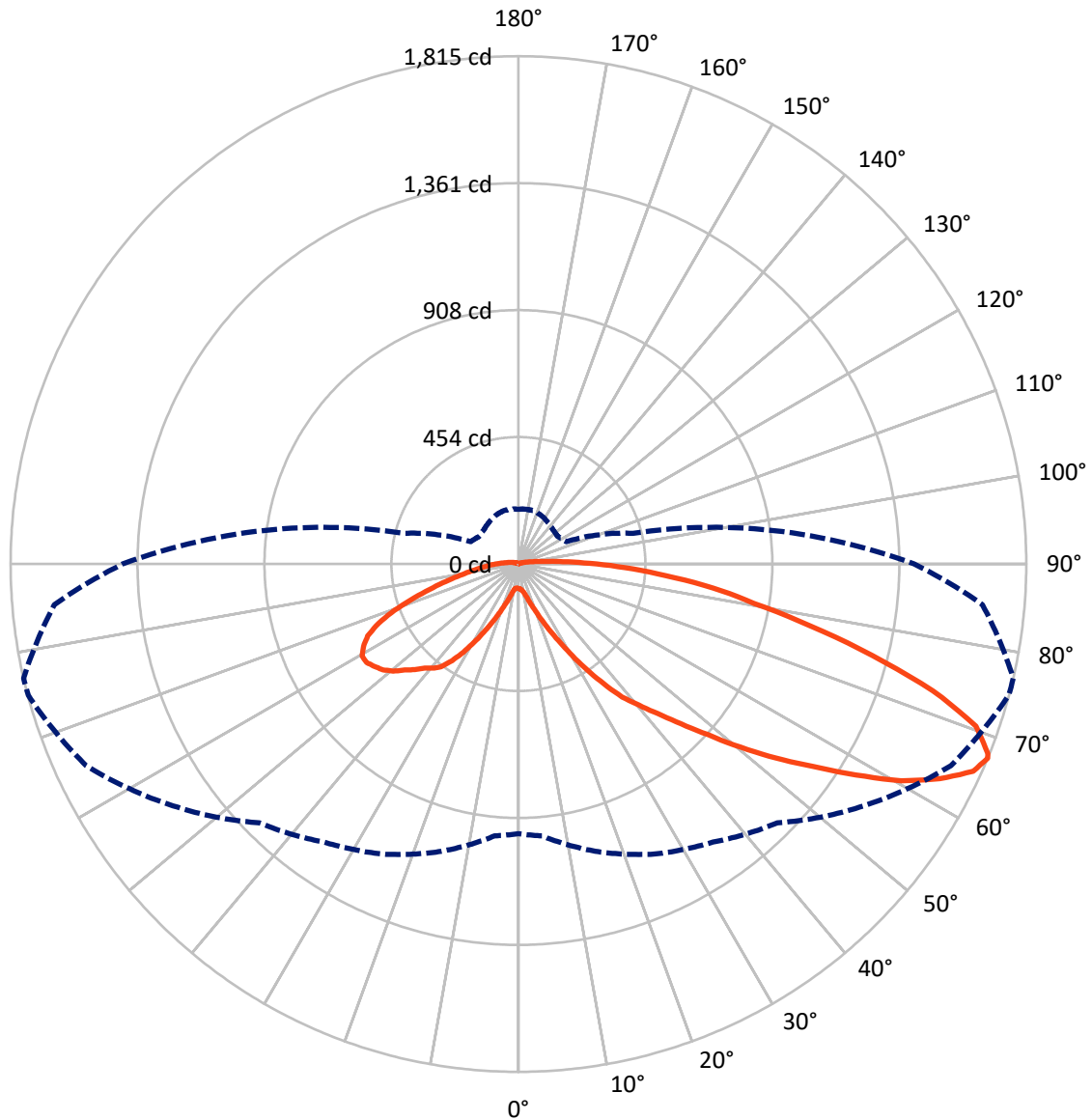


Based on 10 foot mounting height. Maximum calculated value = 3.8 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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

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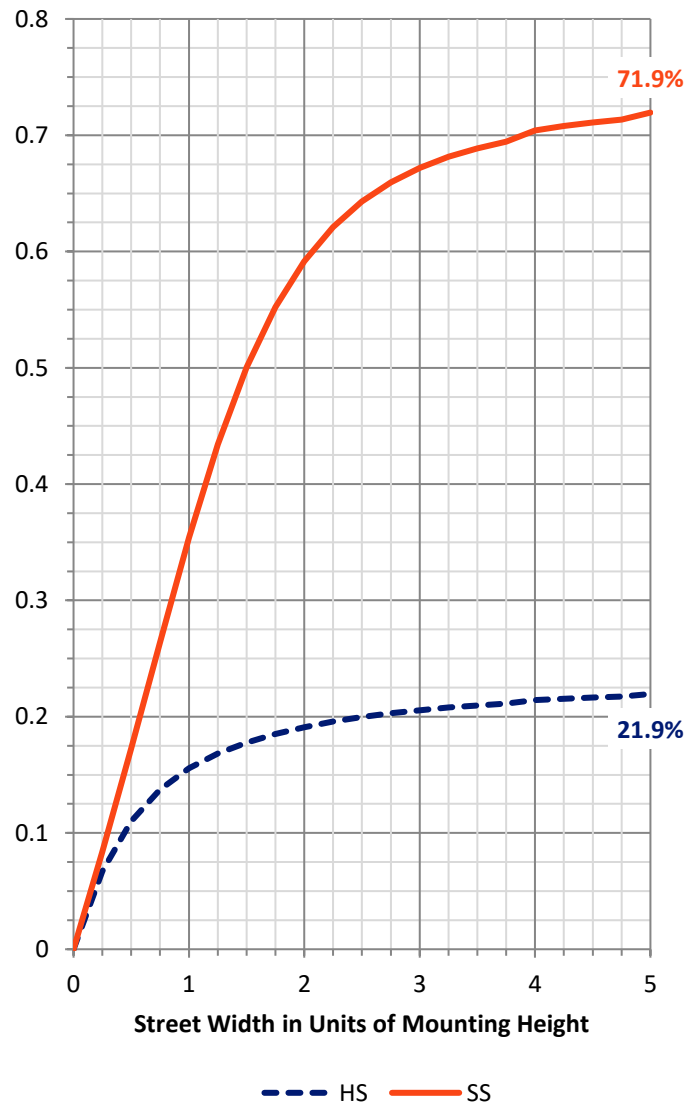
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	754.6	48.0	802.5
	% Fixture	22.9	1.5	24.4
Street Side	Lumens	2425.8	62.4	2488.3
	% Fixture	73.7	1.9	75.6
Total	Lumens	3180.4	110.4	3290.8
	% Fixture	96.6	3.4	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.8	0.3
10°-20°	37.0	1.1
20°-30°	108.1	3.3
30°-40°	251.1	7.6
40°-50°	440.5	13.4
50°-60°	676.9	20.6
60°-70°	837.1	25.4
70°-80°	584.4	17.8
80°-90°	236.5	7.2
90°-100°	69.9	2.1
100°-110°	22.6	0.7
110°-120°	9.6	0.3
120°-130°	5.0	0.2
130°-140°	2.5	0.1
140°-150°	0.8	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3180.4	96.6
0°-180°	3290.8	100.0



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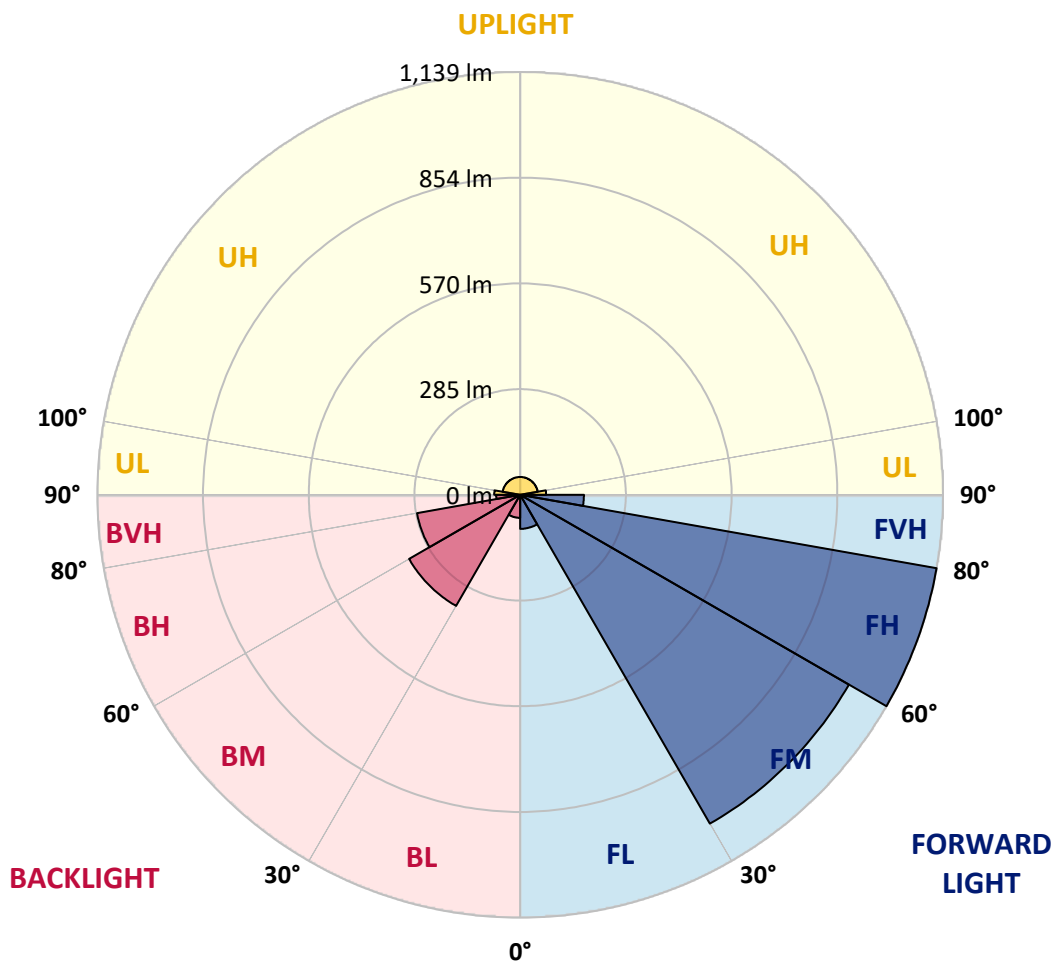
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	91.7	2.8			
FM (30°-60°)	1022.9	31.1			
FH (60°-80°)	1139.3	34.6			G1/1800
FVH (80°-90°)	171.8	5.2			G2/225
BL (0°-30°)	62.1	1.9	B0/110		
BM (30°-60°)	345.6	10.5	B1/1000		
BH (60°-80°)	282.2	8.6	B1/500		G1/500
BVH (80°-90°)	64.7	2.0			G1/100
UL (90°-100°)	69.9	2.1		U3/500	
UH (100°-180°)	48.0	1.5		U2/50	

BUG Rating: B1-U3-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
2.5°	93.1	93.5	93.5	93.5	93.1	92.3	91.1	90.3	89.1	88.7	88.0
5°	100.2	100.2	100.2	99.8	99.0	97.5	95.9	93.9	91.6	91.1	89.5
7.5°	108.1	108.5	108.1	107.3	105.4	103.8	101.4	98.6	95.9	95.0	93.1
10°	119.6	119.6	118.9	117.2	114.5	111.3	108.5	105.4	102.6	101.8	99.4
12.5°	137.1	137.1	135.4	131.1	126.7	122.4	119.3	116.8	115.3	114.1	112.5
15°	159.3	159.7	157.2	150.5	145.0	138.2	135.4	135.0	134.7	133.5	131.9
17.5°	186.2	186.2	182.2	173.1	166.0	159.7	156.8	156.8	156.8	156.8	156.1
20°	218.3	218.7	213.5	200.4	192.9	185.4	182.6	183.0	184.6	184.9	184.9
22.5°	259.4	261.1	253.1	235.3	226.2	215.1	213.1	215.1	219.4	220.7	222.6
25°	315.7	313.3	303.0	279.7	266.2	252.8	249.6	255.1	263.4	265.8	270.2
27.5°	374.7	375.1	360.5	331.9	309.3	293.2	291.5	302.6	314.6	317.7	324.8
30°	450.0	450.8	428.6	393.3	359.7	339.1	339.1	357.3	375.5	380.6	392.2
32.5°	540.3	539.5	506.7	464.2	417.5	392.2	392.9	419.5	445.6	451.5	462.3
35°	645.3	644.0	600.5	544.6	482.5	449.6	453.2	486.8	520.5	526.0	543.1
37.5°	752.6	753.8	705.5	634.6	554.1	511.0	517.7	557.7	598.9	602.9	616.3
40°	849.7	855.6	806.9	727.7	631.8	575.6	583.5	622.0	662.4	663.9	669.0
42.5°	942.8	943.6	902.8	818.4	712.2	646.9	647.6	684.5	722.9	729.7	732.0
45°	1002.2	1010.5	977.6	901.5	793.4	719.7	713.0	749.8	806.5	814.5	814.5
47.5°	1069.9	1078.6	1041.1	976.4	871.9	793.0	787.5	834.6	902.3	910.7	907.6
50°	1146.0	1156.7	1129.3	1059.3	949.9	871.0	880.6	935.6	1017.6	1029.5	1025.9
52.5°	1203.8	1215.3	1198.7	1149.2	1037.5	962.2	972.5	1049.3	1140.1	1151.9	1138.4
55°	1225.2	1241.0	1246.2	1220.9	1127.8	1058.9	1090.6	1173.7	1262.8	1275.5	1261.3
57.5°	1224.4	1240.6	1260.5	1256.9	1203.4	1158.3	1204.6	1301.7	1409.4	1422.1	1407.4
60°	1215.7	1234.7	1271.1	1275.9	1245.9	1245.9	1320.6	1454.1	1561.9	1573.4	1531.5
62.5°	1140.1	1163.8	1230.4	1278.3	1269.2	1302.0	1426.8	1580.6	1684.7	1690.2	1611.5
65°	1045.4	1067.6	1140.8	1218.4	1261.6	1321.9	1496.2	1670.5	1779.4	1785.8	1672.4
67°	963.4	975.3	1062.8	1144.0	1212.9	1308.4	1506.8	1705.0	1813.8	1815.0	1664.9
67.5°	934.1	946.3	1035.4	1122.2	1195.9	1298.8	1501.3	1708.1	1811.9	1809.5	1650.6
70°	780.4	787.5	880.6	992.3	1075.1	1196.3	1432.3	1646.6	1742.2	1735.0	1553.1
72.5°	576.7	582.7	679.3	815.2	913.1	1046.6	1283.1	1515.9	1569.0	1549.7	1337.3
75°	399.7	404.5	479.7	595.8	724.1	865.1	1096.9	1290.1	1329.4	1305.2	1108.4
77.5°	264.2	267.8	326.4	417.9	535.9	691.6	892.4	1065.9	1097.6	1069.5	890.1
80°	167.6	170.3	213.9	286.0	392.9	542.7	716.6	867.2	880.6	854.1	695.6
82.5°	106.2	108.9	138.2	193.7	282.0	413.2	563.6	698.8	717.0	701.1	543.9
85°	68.1	72.1	93.1	132.7	200.1	303.0	439.3	555.8	553.8	527.6	399.3
87.5°	48.3	51.5	67.3	94.6	141.1	214.7	321.2	403.2	398.5	381.0	277.7
90°	36.0	38.5	49.9	68.9	101.4	150.5	222.6	279.3	265.4	254.7	183.4
92.5°	26.5	28.5	37.2	50.3	72.5	105.4	147.0	180.7	166.3	158.9	116.1
95°	19.4	20.6	27.3	36.8	52.7	73.2	96.3	113.6	102.2	97.1	73.2
97.5°	15.0	15.9	21.0	28.5	39.2	52.7	65.0	71.3	65.0	61.8	50.7
100°	12.7	13.1	17.4	22.6	30.9	40.0	46.3	48.7	44.8	42.8	36.8
102.5°	10.7	11.0	14.2	18.6	25.0	31.7	34.9	35.7	32.1	30.9	27.7
105°	9.1	9.5	12.3	15.9	21.0	25.8	27.3	26.5	23.3	22.6	21.0
107.5°	7.9	8.3	10.3	13.5	17.4	21.4	21.8	20.2	17.4	16.7	15.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
110°	7.2	7.2	9.1	11.5	15.0	17.8	17.8	15.4	13.1	12.7	12.7
112.5°	6.3	6.3	7.9	9.9	13.1	15.0	14.6	12.3	9.9	9.5	9.9
115°	5.5	5.5	6.8	9.1	11.5	13.1	12.3	9.9	7.6	7.6	8.3
117.5°	5.1	5.1	6.3	8.3	10.3	11.5	10.3	7.9	6.3	6.3	6.8
120°	4.7	4.7	5.9	7.6	9.5	10.3	9.1	6.8	5.1	5.1	5.9
122.5°	4.7	4.7	5.5	7.2	8.7	9.1	7.9	5.9	4.4	4.7	5.1
125°	4.7	5.1	5.5	6.8	7.9	7.9	6.8	5.1	4.0	4.0	4.7
127.5°	5.1	5.1	5.5	6.3	7.2	7.2	5.9	4.4	4.0	4.0	4.4
130°	5.5	5.5	5.5	5.9	6.3	5.9	5.1	4.0	3.6	3.6	4.0
132.5°	5.5	5.5	5.5	5.5	5.5	5.1	4.4	3.6	3.2	3.6	4.0
135°	5.1	5.1	5.1	5.1	4.7	4.4	3.6	2.8	2.8	2.8	3.2
137.5°	4.7	4.4	4.4	4.4	4.0	3.6	2.8	1.9	2.4	2.4	2.8
140°	4.0	4.0	4.0	3.6	3.2	2.8	1.9	1.5	1.9	1.9	2.4
142.5°	3.2	3.2	3.2	2.8	2.4	1.9	1.2	1.2	1.5	1.9	1.9
145°	2.4	2.4	2.4	1.9	1.5	1.2	0.8	1.2	1.5	1.5	1.5
147.5°	1.5	1.5	1.5	1.5	0.8	0.4	0.8	0.8	1.2	1.2	1.5
150°	0.8	0.8	1.2	0.8	0.4	0.4	0.4	0.8	0.8	1.2	1.2
152.5°	0.4	0.4	0.8	0.4	0.0	0.0	0.0	0.4	0.8	0.8	0.8
155°	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.8
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4
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°	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
2.5°	87.6	87.2	86.3	85.2	84.4	84.0	84.0	83.2	83.2	83.2	82.8
5°	89.1	88.0	86.3	84.8	83.2	82.0	81.6	80.8	80.0	80.0	79.6
7.5°	91.6	90.3	87.6	85.2	82.8	81.2	80.4	79.6	78.9	78.5	78.1
10°	97.8	96.3	91.9	88.0	84.8	82.3	81.2	80.4	79.6	79.6	79.2
12.5°	110.9	108.1	102.6	95.9	89.1	85.5	84.4	87.2	88.4	89.5	89.5
15°	130.3	127.6	119.3	109.4	99.4	92.7	94.6	98.6	101.8	103.8	103.8
17.5°	154.1	149.8	139.4	125.2	112.1	107.3	106.6	110.9	115.7	118.5	118.5
20°	182.2	177.1	162.9	143.4	128.8	121.6	120.0	124.0	129.5	133.9	133.9
22.5°	218.7	212.7	191.7	164.4	145.4	135.4	133.5	137.5	145.4	151.3	150.9
25°	266.2	256.7	227.8	189.8	162.0	148.1	146.6	152.9	163.6	172.0	173.1
27.5°	321.2	307.8	264.6	217.1	178.3	159.3	159.7	168.4	181.5	190.6	190.6
30°	383.4	369.2	308.9	244.0	192.1	168.8	170.3	181.8	194.9	204.0	204.0
32.5°	455.5	434.5	355.7	270.6	204.4	175.8	177.5	191.3	204.4	214.3	214.7
35°	528.5	499.9	398.1	292.4	214.7	181.8	182.6	198.9	213.1	224.2	225.4
37.5°	594.9	558.1	435.8	307.4	219.4	184.6	185.8	204.4	221.1	231.3	231.3
40°	642.5	596.2	454.0	311.0	220.7	185.4	188.9	208.0	220.7	225.4	223.4
42.5°	696.4	639.3	465.4	305.0	216.3	184.9	190.6	205.6	212.4	212.7	210.7
45°	771.6	697.6	486.4	299.8	208.4	184.2	188.5	199.7	201.6	198.0	195.7
47.5°	858.8	761.0	503.9	293.5	203.3	182.2	185.8	192.5	190.9	184.6	182.6
50°	957.1	841.4	525.7	285.6	199.3	179.8	183.0	187.4	185.4	178.6	177.1
52.5°	1053.3	911.9	539.5	277.3	195.7	178.6	181.1	186.2	183.8	175.8	173.5
55°	1154.3	983.6	542.7	263.0	192.9	178.6	181.5	187.0	184.2	175.8	173.5
57.5°	1273.2	1060.8	542.7	246.4	188.5	179.4	182.6	188.1	185.8	177.5	175.4
60°	1369.8	1115.8	531.2	231.7	183.4	179.4	183.0	188.9	188.5	182.6	181.5
62.5°	1423.2	1136.1	499.9	215.5	179.0	178.3	183.4	190.9	193.7	189.3	188.1
65°	1451.8	1129.3	463.5	199.3	175.1	175.8	183.4	192.1	196.5	194.1	192.5
67°	1414.5	1081.8	423.5	188.1	171.1	173.9	182.6	192.1	198.0	197.2	195.7
67.5°	1395.9	1062.8	411.9	186.2	169.9	173.5	182.2	192.1	198.0	198.0	196.5
70°	1279.9	955.8	352.2	171.5	162.4	167.6	177.9	190.2	196.9	197.2	196.5
72.5°	1081.8	785.9	290.7	157.6	152.9	158.9	171.5	184.2	190.6	189.8	188.9
75°	881.4	633.8	236.9	144.2	141.8	148.5	160.0	172.0	176.3	174.3	173.5
77.5°	698.0	494.4	194.1	131.1	130.7	136.7	145.8	154.5	156.8	153.3	152.9
80°	536.3	377.9	158.9	120.4	119.3	123.6	129.9	135.8	137.5	133.9	133.1
82.5°	410.8	286.4	131.9	108.5	108.1	110.5	114.9	118.9	121.6	118.0	116.8
85°	297.1	209.5	110.9	95.9	96.3	97.5	100.2	103.0	107.0	105.8	104.1
87.5°	207.1	152.1	94.3	84.0	84.0	84.8	86.3	89.1	94.3	93.9	92.3
90°	141.1	109.8	79.2	73.2	72.1	72.5	73.7	75.3	80.0	79.6	78.5
92.5°	94.3	78.1	64.1	60.6	60.3	60.6	60.6	61.8	64.1	63.0	61.8
95°	63.0	56.3	51.1	49.1	48.3	48.7	48.7	48.0	49.5	47.6	46.3
97.5°	45.1	42.4	41.2	39.6	38.5	38.8	38.8	38.1	38.5	35.7	34.9
100°	34.5	33.7	33.7	32.1	30.9	31.3	31.3	30.9	30.5	27.3	26.9
102.5°	27.3	26.9	27.3	26.2	25.0	25.8	25.4	25.0	24.1	21.4	21.0
105°	21.4	21.4	22.6	21.4	20.6	21.0	21.0	20.2	19.4	17.1	17.1
107.5°	16.7	17.1	18.2	17.4	17.1	17.4	17.1	16.3	15.0	13.5	13.5



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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	13.1	13.9	15.0	14.6	14.2	14.6	13.9	13.1	11.9	11.0	11.0
112.5°	10.7	11.0	12.3	12.3	11.9	12.3	11.5	10.3	9.5	9.1	9.1
115°	8.7	9.5	10.3	10.3	10.3	10.3	9.5	8.3	7.6	7.6	7.6
117.5°	7.6	7.9	8.7	8.7	8.7	8.7	7.9	6.8	5.9	6.3	6.3
120°	6.3	6.8	7.6	7.6	7.6	7.6	6.8	5.5	4.7	5.1	5.1
122.5°	5.5	5.9	6.3	6.8	6.8	6.3	5.5	4.7	4.0	4.4	4.4
125°	5.1	5.5	5.5	5.9	5.5	5.5	4.7	4.0	3.6	4.0	4.0
127.5°	4.7	5.1	5.1	5.1	5.1	4.4	4.0	3.2	2.8	3.2	3.6
130°	4.4	4.7	4.7	4.4	4.0	3.6	3.2	2.8	2.4	2.8	3.2
132.5°	4.4	4.4	4.4	4.0	3.6	2.8	2.4	1.9	1.9	2.4	2.8
135°	3.6	3.6	3.6	3.2	2.4	1.9	1.5	1.5	1.5	1.9	1.9
137.5°	2.8	3.2	2.8	2.4	1.9	1.5	1.2	1.2	1.2	1.5	1.5
140°	2.4	2.4	2.4	1.9	1.5	0.8	0.4	0.4	0.8	0.8	1.2
142.5°	1.9	2.4	1.9	1.5	1.2	0.4	0.0	0.4	0.4	0.4	0.4
145°	1.9	1.9	1.5	1.2	0.8	0.4	0.0	0.0	0.4	0.0	0.0
147.5°	1.5	1.5	1.2	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.2	1.2	1.2	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.8	0.8	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.8	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.4	0.4	0.4	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)