

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: P254905

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254905
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-30)
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-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3248.9 lumens
Efficiency: N/A
Efficacy: 104.8 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 - G3

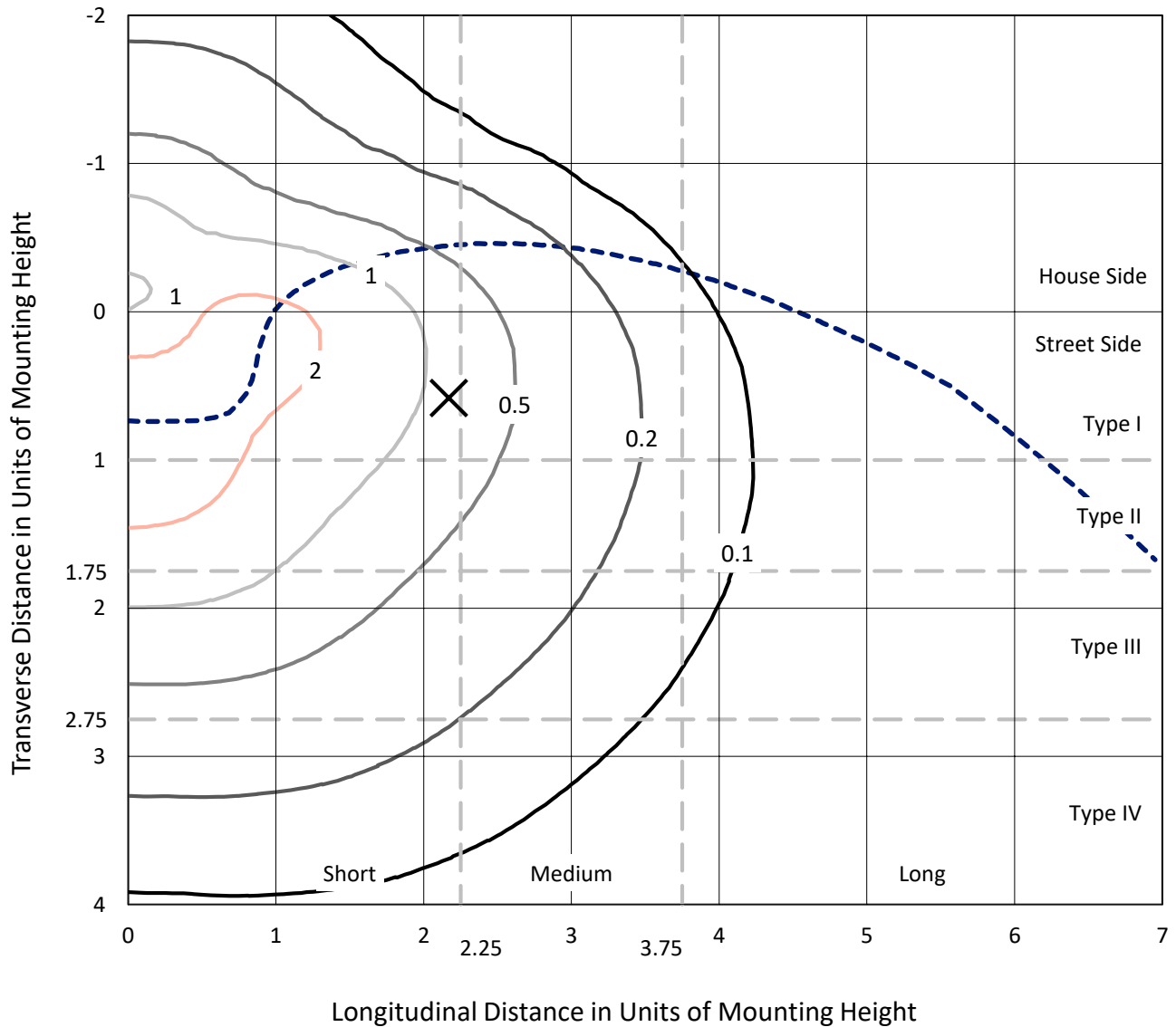
Input Watts (W): 31
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

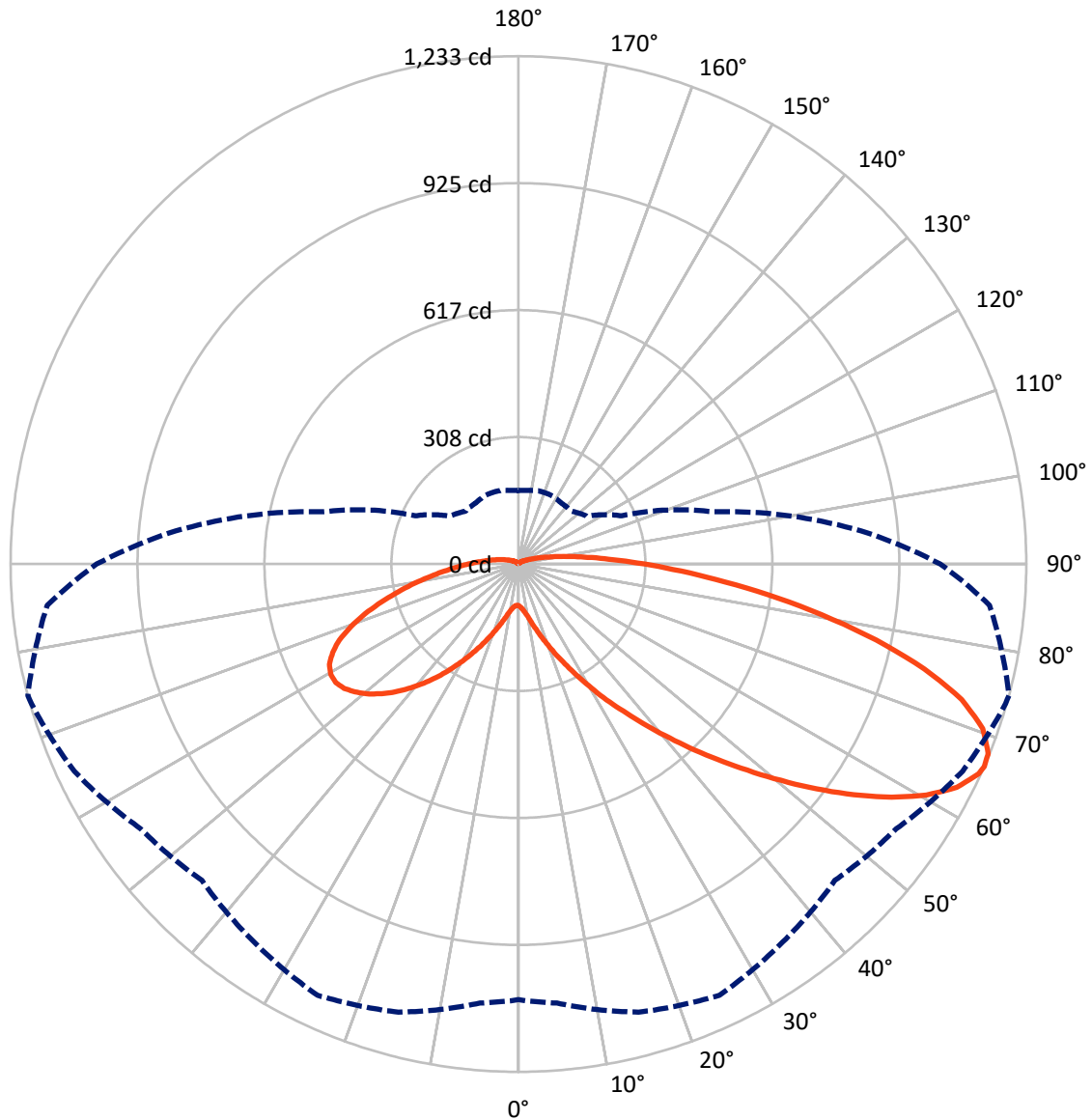
✕ Max cd
 - - - 1/2 Max cd



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 75-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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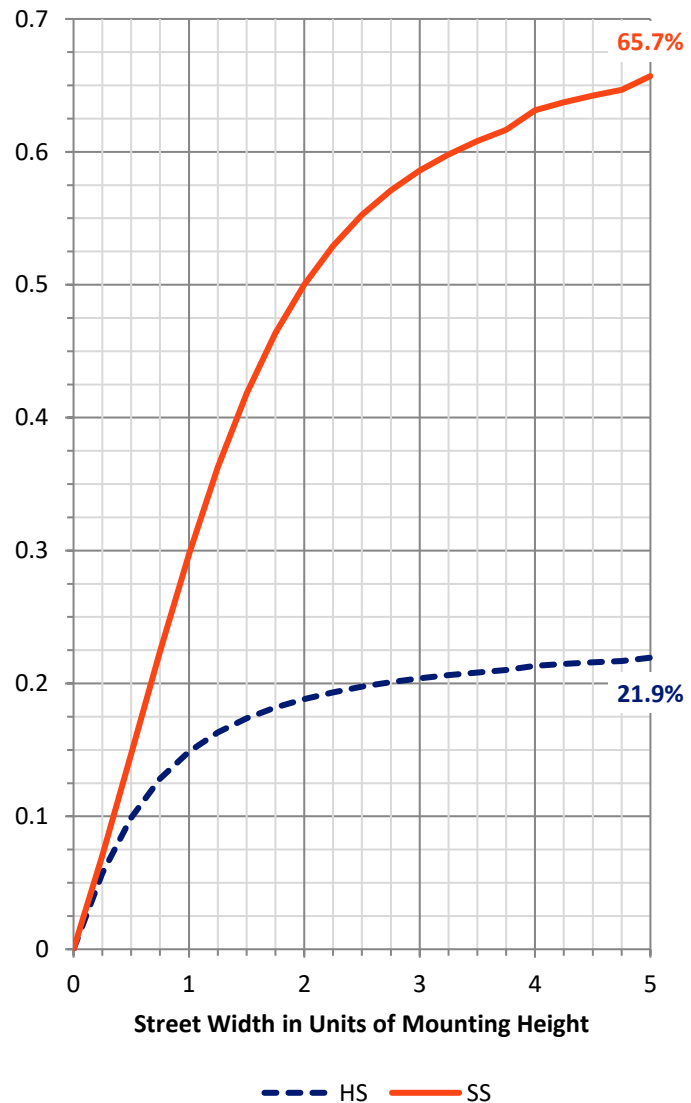
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	752.9	81.1	834.0
	% Fixture	23.2	2.5	25.7
Street Side	Lumens	2257.5	157.4	2414.9
	% Fixture	69.5	4.8	74.3
Total	Lumens	3010.4	238.5	3248.9
	% Fixture	92.7	7.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.7	0.3
10°-20°	45.0	1.4
20°-30°	113.8	3.5
30°-40°	227.8	7.0
40°-50°	387.3	11.9
50°-60°	576.2	17.7
60°-70°	707.5	21.8
70°-80°	608.5	18.7
80°-90°	333.6	10.3
90°-100°	139.2	4.3
100°-110°	56.9	1.8
110°-120°	25.1	0.8
120°-130°	11.4	0.4
130°-140°	4.7	0.1
140°-150°	1.1	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3010.4	92.7
0°-180°	3248.9	100.0

Coefficient of Utilization



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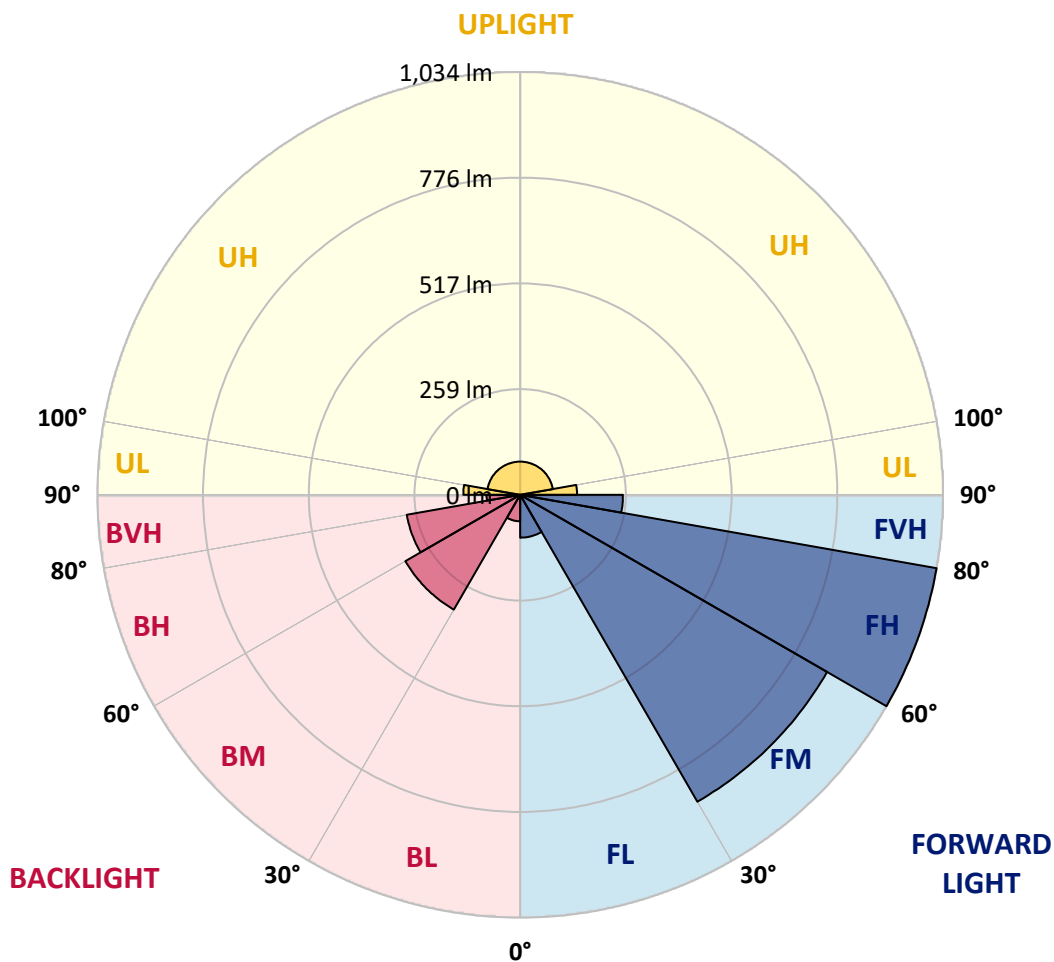
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	104.8	3.2			
FM	(30°-60°)	867.0	26.7			
FH	(60°-80°)	1034.4	31.8			G1/1800
FVH	(80°-90°)	251.3	7.7			G3/500
BL	(0°-30°)	64.8	2.0	B0/110		
BM	(30°-60°)	324.3	10.0	B1/1000		
BH	(60°-80°)	281.6	8.7	B1/500		G1/500
BVH	(80°-90°)	82.2	2.5			G1/100
UL	(90°-100°)	139.2	4.3		U3/500	
UH	(100°-180°)	81.1	2.5		U3/500	

BUG Rating: B1-U3-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	101.4	101.4	101.4	101.4	101.4	101.4	101.4	101.4	101.4	101.4	101.4
2.5°	111.7	111.7	111.3	111.3	110.2	108.9	108.1	106.2	105.0	105.0	103.4
5°	123.6	123.6	123.2	122.4	120.8	118.9	116.5	113.6	111.3	110.9	108.1
7.5°	138.3	138.3	137.5	135.8	133.5	130.7	127.6	123.6	120.0	119.3	115.3
10°	156.5	156.5	155.3	152.9	149.8	146.2	141.8	136.3	131.6	131.1	125.6
12.5°	179.4	178.3	177.5	173.5	169.2	164.4	159.3	152.5	147.8	147.8	140.2
15°	205.6	205.6	202.4	197.3	191.7	185.4	179.8	173.1	167.6	167.2	158.5
17.5°	234.6	234.2	230.6	224.2	216.7	210.3	203.3	195.7	189.3	189.3	179.1
20°	267.8	267.0	262.3	253.9	244.8	237.7	229.8	221.1	214.3	214.3	202.9
22.5°	305.9	304.2	298.3	286.8	277.7	267.4	258.3	249.6	242.4	243.3	230.2
25°	348.6	346.7	339.1	324.5	311.4	299.1	290.0	280.9	275.7	273.7	263.1
27.5°	397.0	393.0	384.6	366.0	347.4	332.4	322.8	316.1	311.4	309.9	297.5
30°	450.1	446.1	434.5	411.2	386.7	367.6	358.5	353.4	351.0	349.0	336.8
32.5°	510.7	506.3	490.5	461.1	429.4	405.7	397.0	394.6	394.6	393.0	380.7
35°	576.4	570.9	551.9	515.1	475.0	446.5	438.1	439.4	439.8	438.5	428.2
37.5°	646.5	640.6	618.1	574.1	524.2	490.1	481.7	487.3	495.2	490.8	480.2
40°	718.6	713.1	689.0	635.5	575.6	535.6	527.3	538.4	551.1	547.5	535.6
42.5°	790.3	788.0	757.5	700.4	630.8	583.6	577.7	594.6	612.0	609.7	596.6
45°	868.4	861.2	831.6	767.7	689.8	639.0	632.3	655.3	679.0	676.7	663.6
47.5°	938.6	931.8	903.7	836.0	749.1	694.1	689.8	720.7	750.7	748.0	734.9
50°	997.6	996.8	973.0	902.9	811.7	751.6	751.2	789.9	826.9	826.0	809.4
52.5°	1054.3	1053.0	1031.2	967.8	874.3	809.4	812.5	863.3	907.3	907.3	885.1
55°	1097.8	1097.4	1084.7	1029.6	936.1	873.6	882.7	938.6	988.9	988.9	966.7
57.5°	1128.3	1127.9	1126.3	1084.3	995.5	934.6	948.8	1012.6	1067.2	1068.5	1039.1
60°	1135.4	1139.0	1154.8	1128.3	1048.6	990.0	1009.4	1080.7	1137.0	1139.0	1099.0
62.5°	1122.8	1128.3	1160.3	1154.8	1089.0	1039.9	1064.1	1137.4	1191.6	1194.8	1139.8
65°	1080.7	1092.2	1141.4	1159.6	1114.4	1076.3	1108.5	1178.6	1223.8	1228.2	1152.9
66°	1058.1	1070.4	1126.7	1155.2	1119.9	1086.7	1120.3	1190.1	1230.5	1233.3	1148.5
67.5°	1015.4	1027.7	1094.3	1138.2	1119.9	1096.6	1130.3	1198.0	1229.3	1230.5	1133.0
70°	923.5	942.4	1016.9	1085.1	1097.0	1091.5	1129.8	1186.1	1200.4	1196.4	1074.0
72.5°	822.5	833.2	914.7	1007.5	1047.5	1058.1	1102.1	1141.4	1131.9	1126.0	985.3
75°	689.8	705.2	794.3	900.1	961.1	994.0	1041.2	1055.0	1031.2	1018.6	868.4
77.5°	576.0	582.4	665.5	774.1	854.6	899.3	943.7	948.1	898.9	888.2	732.5
80°	458.0	464.3	540.7	645.0	732.1	791.2	830.0	818.5	756.7	746.3	605.8
82.5°	357.7	366.4	425.1	524.6	608.9	671.2	700.8	682.2	623.6	608.9	482.5
85°	274.6	278.9	333.6	419.1	493.7	550.2	574.8	554.2	491.2	479.8	379.1
87.5°	209.2	213.5	259.9	327.2	393.0	441.3	460.3	434.2	383.1	375.5	294.3
90°	159.7	162.9	199.7	257.5	308.2	348.2	361.3	340.7	295.1	288.4	226.6
92.5°	122.4	125.2	153.7	199.7	241.3	275.4	280.9	261.5	226.2	220.2	174.3
95°	93.9	97.1	120.0	156.1	188.5	214.3	218.3	201.6	173.5	168.8	134.3
97.5°	73.7	74.9	94.3	123.6	150.2	168.0	169.6	156.9	132.7	129.5	103.4
100°	59.0	59.8	74.9	97.9	119.7	132.7	133.5	120.4	101.8	99.4	79.3
102.5°	48.0	48.7	60.3	78.9	95.0	105.8	105.4	95.0	78.9	75.7	61.8
105°	39.6	40.0	49.1	64.1	77.2	84.4	84.0	74.1	60.7	58.6	48.3
107.5°	33.2	33.7	40.4	52.3	63.4	69.4	68.1	58.2	47.2	45.9	38.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	28.1	28.5	33.7	43.6	53.5	57.5	55.9	46.3	37.2	35.7	30.9
112.5°	24.6	24.6	28.5	36.4	44.8	48.3	45.9	37.6	29.4	28.5	25.4
115°	21.4	21.8	24.6	30.9	38.1	40.4	38.1	30.1	23.7	23.0	21.0
117.5°	19.0	19.0	21.4	26.2	32.1	33.7	31.3	24.6	19.4	19.0	17.8
120°	17.1	17.1	18.6	22.2	26.9	28.5	26.2	20.3	15.9	15.4	15.0
122.5°	15.4	15.4	16.3	19.0	23.0	23.7	21.4	16.7	13.5	13.1	13.1
125°	13.9	13.9	14.2	16.3	19.4	20.3	17.8	13.5	11.5	11.0	11.0
127.5°	12.7	12.7	12.7	14.2	15.9	16.7	14.6	11.0	9.5	9.5	9.9
130°	11.5	11.5	11.5	11.9	13.1	13.5	11.9	9.1	8.3	8.3	8.3
132.5°	10.3	10.3	9.9	10.3	10.7	10.7	9.1	7.6	7.2	7.2	7.6
135°	9.1	9.1	8.7	8.7	8.7	8.3	7.2	5.9	5.9	5.9	6.3
137.5°	7.9	7.9	7.6	7.2	6.8	5.9	5.1	4.7	4.7	4.7	5.1
140°	6.8	6.8	6.3	5.5	4.7	4.4	3.6	3.6	4.0	4.0	4.0
142.5°	5.1	5.1	4.7	4.4	3.6	2.8	2.4	2.4	2.8	2.8	3.2
145°	4.0	4.0	3.6	2.8	1.9	1.5	1.2	1.5	1.9	1.9	2.4
147.5°	2.8	2.8	2.4	1.9	1.2	0.4	0.8	1.2	1.5	1.5	1.9
150°	1.5	1.5	1.2	0.8	0.0	0.0	0.4	0.8	1.2	1.2	1.2
152.5°	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.4	0.8	0.8	0.8
155°	0.0	0.0	0.0	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	0.4
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
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°	101.4	101.4	101.4	101.4	101.4	101.4	101.4	101.4	101.4	101.4	101.4
2.5°	102.6	101.8	100.2	99.0	97.5	96.7	95.9	95.0	94.7	93.9	93.9
5°	106.2	105.0	102.2	99.8	97.1	95.0	93.1	91.9	91.1	90.7	90.7
7.5°	112.9	110.9	106.6	103.0	99.0	96.7	94.3	91.9	90.7	90.3	90.3
10°	122.4	120.0	114.1	108.9	103.8	100.2	97.9	95.0	93.9	93.1	93.1
12.5°	136.3	132.4	125.2	117.6	110.9	106.6	103.4	101.4	101.4	102.2	101.8
15°	153.7	149.4	139.0	129.5	120.4	114.5	112.5	112.1	112.1	112.5	112.5
17.5°	172.8	166.7	154.9	142.6	132.0	126.0	123.6	122.9	122.9	123.2	124.0
20°	195.7	188.2	173.1	157.3	145.8	138.6	135.1	133.9	134.7	136.3	136.3
22.5°	222.3	213.9	193.7	173.5	160.1	151.0	146.6	145.4	147.0	148.9	149.4
25°	252.8	241.6	216.4	191.4	173.9	162.4	158.0	156.5	158.9	161.2	162.4
27.5°	286.4	272.2	240.9	209.2	186.2	172.4	167.6	167.2	170.3	173.5	174.7
30°	323.7	306.3	267.0	227.8	198.9	181.1	175.9	177.1	180.7	184.6	185.4
32.5°	364.9	344.2	294.3	246.0	208.8	187.8	181.9	184.6	188.9	194.2	194.9
35°	409.6	384.6	323.3	263.1	217.5	192.9	187.0	190.6	195.3	200.9	201.6
37.5°	458.4	427.9	352.2	278.1	224.2	196.1	189.8	194.2	199.7	204.8	205.6
40°	509.1	472.6	381.2	291.5	228.9	198.0	191.0	195.7	201.2	205.2	206.0
42.5°	566.5	521.0	409.3	302.3	231.8	198.5	191.0	195.3	200.9	203.7	204.0
45°	627.6	572.0	437.0	311.0	232.9	198.0	189.8	194.6	198.9	200.1	200.5
47.5°	690.9	624.4	462.0	316.1	232.9	196.5	188.2	191.7	195.3	194.9	195.3
50°	761.5	679.0	485.3	319.3	231.4	194.6	186.6	189.3	191.7	189.8	190.2
52.5°	828.0	733.4	504.3	320.5	228.6	192.1	185.1	187.4	188.5	185.8	185.8
55°	894.2	784.4	519.8	318.1	225.0	190.2	183.8	186.2	186.2	182.6	182.6
57.5°	955.5	828.0	528.5	313.3	220.7	188.5	183.0	185.4	185.4	180.7	180.7
60°	1003.1	859.3	528.9	305.9	215.5	186.6	182.6	185.4	185.1	180.2	179.8
62.5°	1032.1	873.2	519.8	295.1	210.3	184.6	182.2	185.1	185.1	179.8	179.4
65°	1032.1	864.1	499.9	282.4	204.4	182.2	181.5	185.1	184.2	179.4	178.7
66°	1024.1	854.2	489.3	276.9	202.4	181.5	181.1	185.1	184.2	179.4	178.3
67.5°	1002.3	830.3	471.9	267.8	197.7	179.4	180.2	183.8	183.4	178.3	177.5
70°	939.0	769.0	434.2	251.5	190.6	175.9	177.9	181.1	180.7	175.9	174.3
72.5°	845.8	688.1	391.4	234.2	182.6	171.1	173.5	176.7	175.9	172.0	170.3
75°	736.1	596.6	345.0	215.5	173.1	164.8	167.6	170.3	169.6	166.0	163.6
77.5°	617.7	502.4	299.1	196.1	163.3	156.9	159.7	162.4	160.8	157.6	156.1
80°	501.6	411.2	255.5	176.7	151.7	147.8	150.6	151.3	150.2	147.4	145.4
82.5°	400.2	330.8	214.3	157.6	139.4	137.1	139.0	139.0	137.9	135.1	133.1
85°	314.1	263.8	180.2	138.6	127.2	125.6	126.7	125.6	124.0	121.2	119.7
87.5°	247.7	211.5	151.0	122.0	113.6	113.3	113.6	110.9	109.4	107.0	105.4
90°	193.3	166.0	126.0	106.2	101.4	101.1	100.2	97.5	93.9	91.6	90.3
92.5°	151.0	133.5	104.2	90.7	88.4	88.0	86.7	83.2	80.8	77.6	76.4
95°	119.7	106.6	86.3	78.5	77.2	76.8	75.3	71.3	68.1	65.0	64.1
97.5°	93.9	84.4	72.1	67.3	67.0	66.6	64.5	60.3	56.7	53.5	53.1
100°	73.7	67.7	60.3	57.8	57.8	57.5	55.4	51.1	46.7	43.6	43.2
102.5°	58.6	54.6	50.3	49.5	49.5	49.1	47.2	43.6	38.5	34.9	34.9
105°	46.7	44.4	42.0	42.4	42.8	42.4	40.4	36.0	30.9	28.1	28.1
107.5°	37.6	36.0	35.3	36.0	36.4	36.4	34.5	29.7	25.0	22.6	22.6



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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	30.5	29.7	29.7	30.5	31.3	31.3	28.9	25.0	20.3	18.2	18.2
112.5°	25.0	24.6	25.0	26.5	26.9	26.5	24.6	20.6	16.3	15.0	15.0
115°	21.0	21.0	21.4	22.6	23.3	22.6	20.6	16.7	13.1	12.3	12.3
117.5°	17.8	17.8	18.2	19.4	19.8	19.0	17.1	13.5	10.7	10.3	10.3
120°	15.0	15.0	15.4	16.3	16.7	15.9	13.9	11.0	8.7	8.3	8.7
122.5°	13.1	13.1	13.5	13.9	14.2	13.5	11.5	8.7	7.2	7.2	7.2
125°	11.5	11.5	11.5	11.9	11.9	11.0	9.5	7.2	5.5	5.9	5.9
127.5°	9.9	9.9	9.9	9.9	9.9	9.1	7.6	5.5	4.7	5.1	5.1
130°	8.7	8.7	8.3	8.3	7.9	7.6	5.9	4.4	4.0	4.4	4.4
132.5°	7.6	7.6	7.2	6.8	6.3	5.9	4.7	3.2	3.2	3.6	3.6
135°	6.3	6.3	5.9	5.5	5.1	4.4	3.2	2.4	2.4	2.8	2.8
137.5°	5.1	5.1	4.7	4.4	3.6	3.2	2.4	1.5	1.9	2.4	2.4
140°	4.0	4.0	3.6	3.2	2.4	1.5	1.2	1.2	1.2	1.5	1.5
142.5°	3.2	3.2	2.8	1.9	1.2	0.8	0.4	0.4	0.8	1.2	1.2
145°	2.4	2.4	1.9	1.5	0.8	0.4	0.0	0.0	0.4	0.4	0.4
147.5°	1.9	1.5	1.5	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.5	1.2	1.2	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.2	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°	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.4	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)