

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: P254851

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254851
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-29)
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-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3259.1 lumens
Efficiency: N/A
Efficacy: 105.1 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

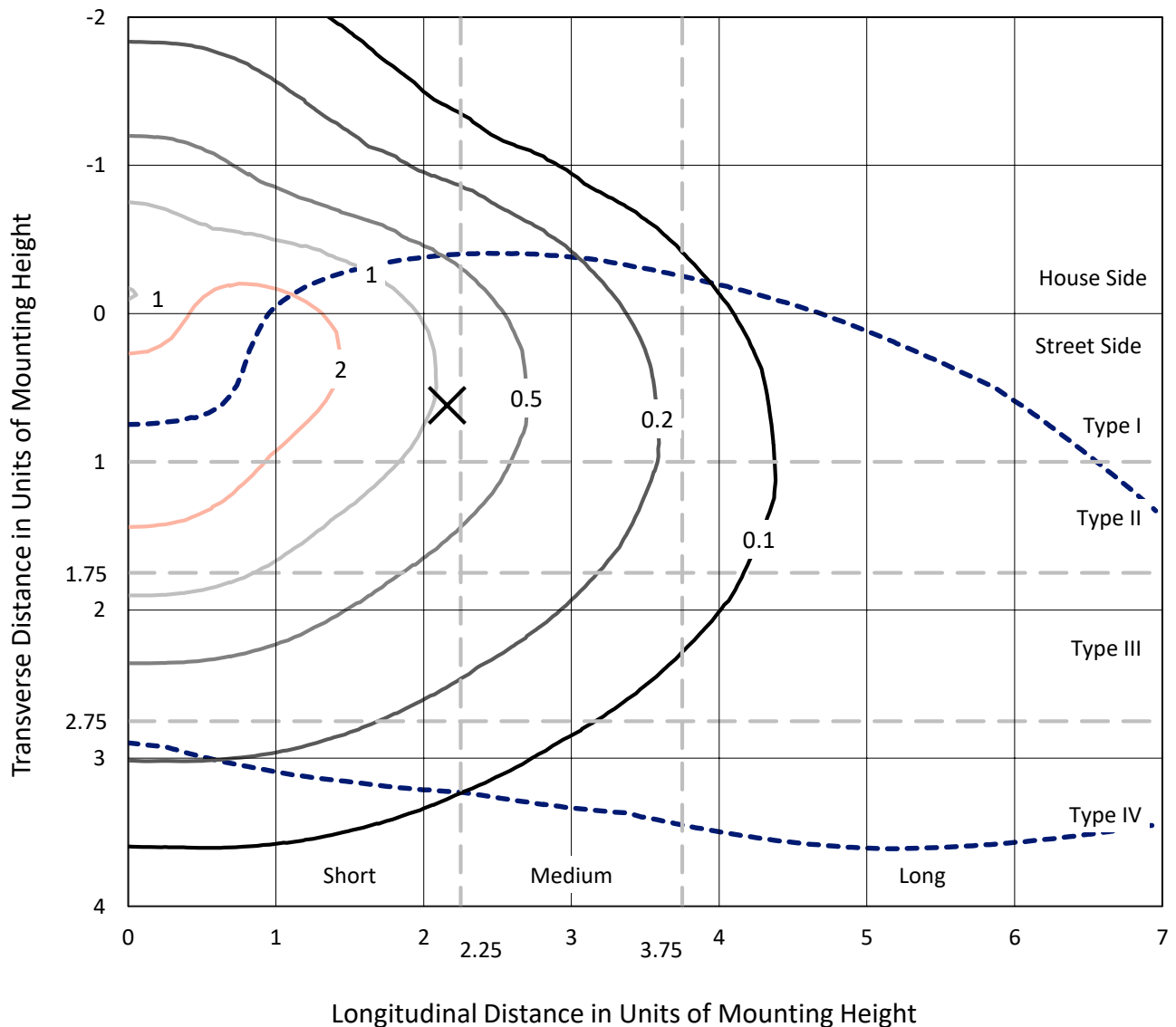


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

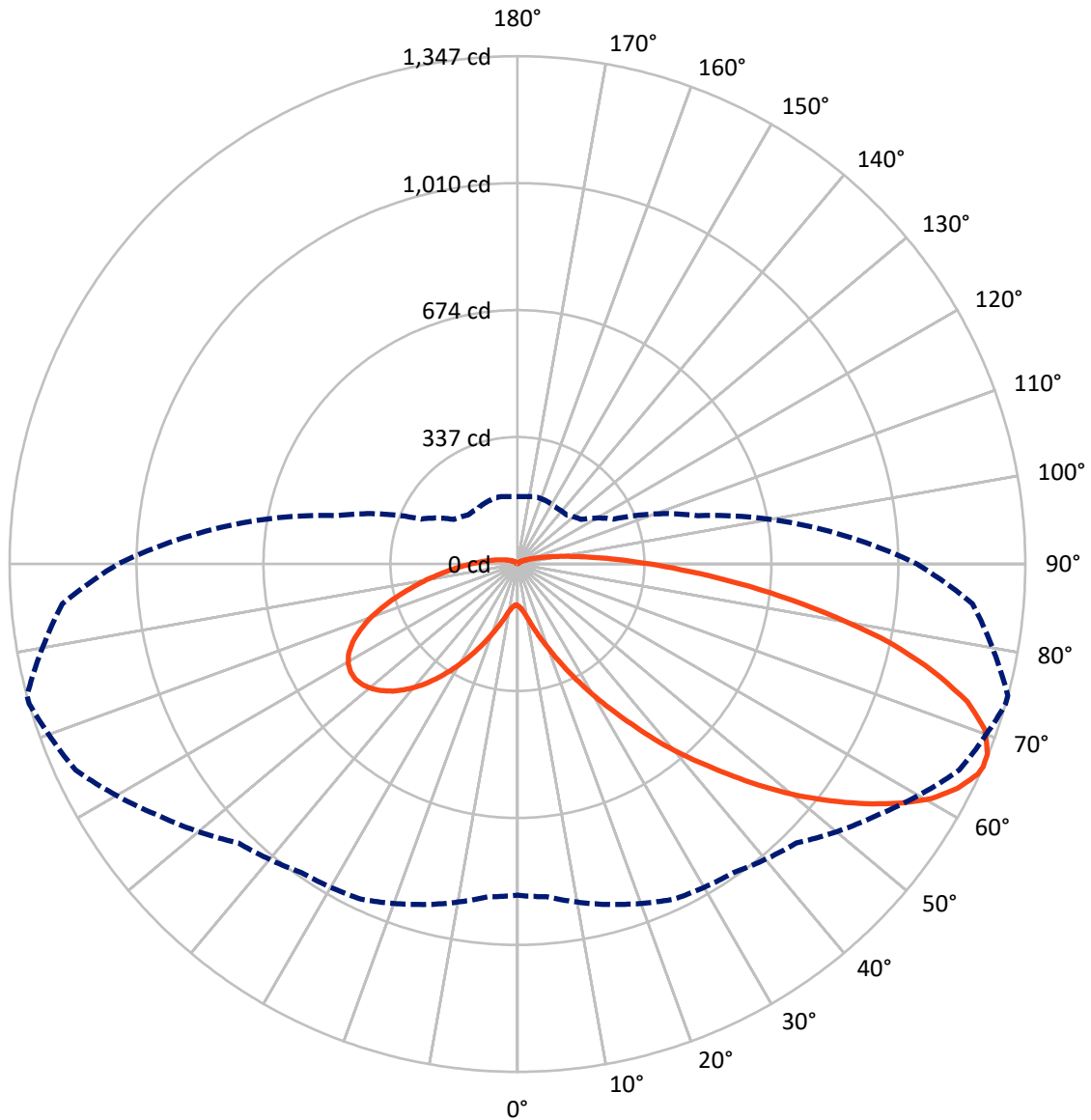


Based on 10 foot mounting height. Maximum calculated value = 3.5 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical



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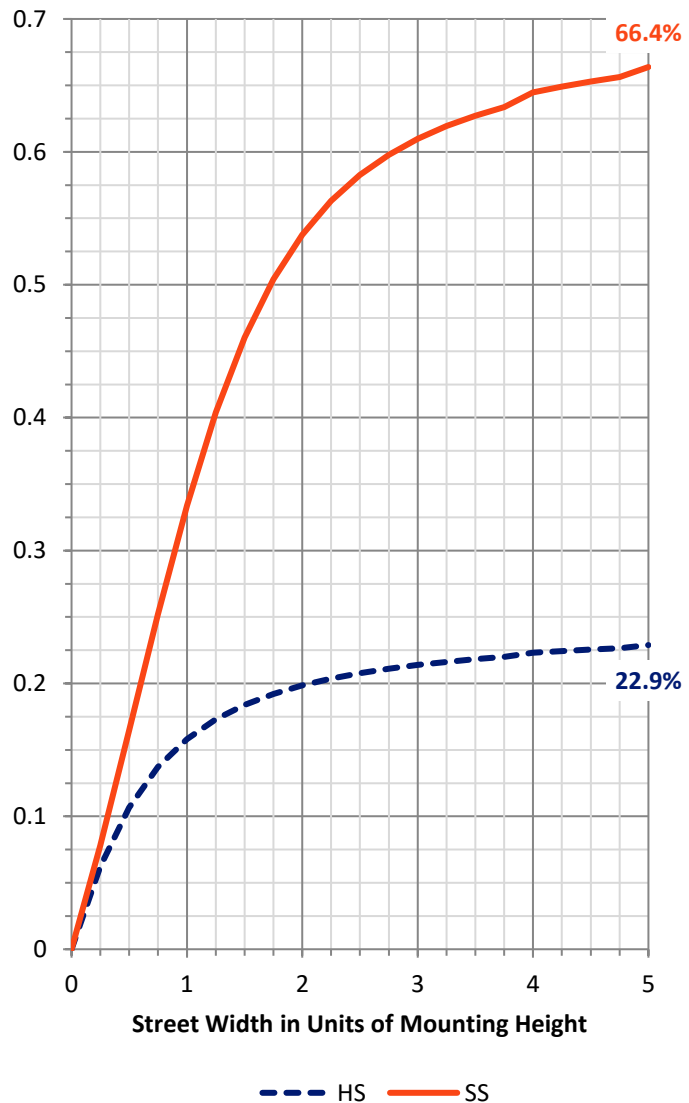
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	783.9	81.0	864.9
	% Fixture	24.1	2.5	26.5
Street Side	Lumens	2255.2	138.9	2394.2
	% Fixture	69.2	4.3	73.5
Total	Lumens	3039.1	220.0	3259.1
	% Fixture	93.3	6.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.7	0.4
10°-20°	49.3	1.5
20°-30°	126.6	3.9
30°-40°	256.4	7.9
40°-50°	434.0	13.3
50°-60°	615.5	18.9
60°-70°	694.9	21.3
70°-80°	555.7	17.0
80°-90°	295.2	9.1
90°-100°	124.4	3.8
100°-110°	52.9	1.6
110°-120°	24.4	0.7
120°-130°	11.7	0.4
130°-140°	5.1	0.2
140°-150°	1.3	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3039.1	93.3
0°-180°	3259.1	100.0

Coefficient of Utilization



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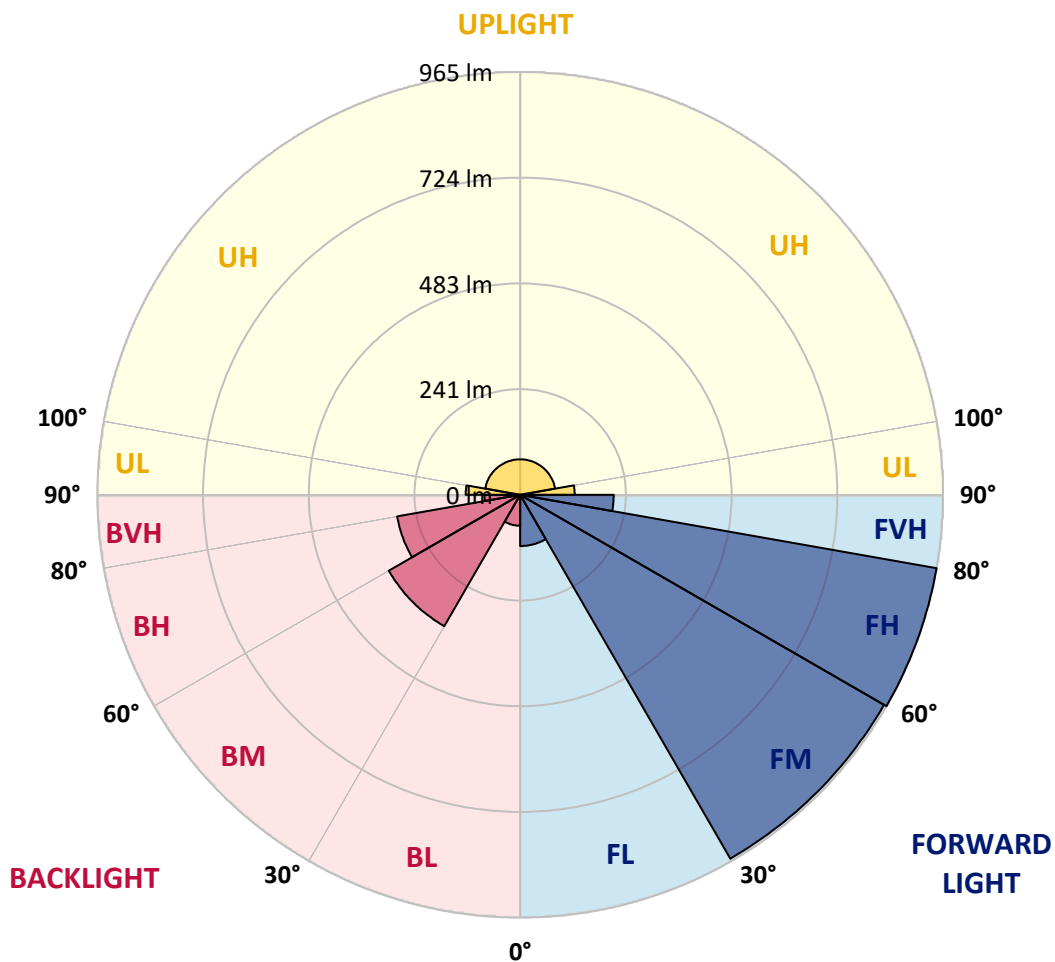
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	116.9	3.6			
FM	(30°-60°)	959.3	29.4			
FH	(60°-80°)	965.4	29.6			G1/1800
FVH	(80°-90°)	213.6	6.6			G2/225
BL	(0°-30°)	70.6	2.2	B0/110		
BM	(30°-60°)	346.5	10.6	B1/1000		
BH	(60°-80°)	285.1	8.7	B1/500		G1/500
BVH	(80°-90°)	81.6	2.5			G1/100
UL	(90°-100°)	124.4	3.8		U3/500	
UH	(100°-180°)	81.0	2.5		U3/500	

BUG Rating: B1-U3-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	110.2	110.2	110.2	110.2	110.2	110.2	110.2	110.2	110.2	110.2	110.2
2.5°	120.0	120.8	120.0	119.7	118.9	118.5	116.8	114.9	113.6	113.3	111.7
5°	132.3	133.5	132.7	131.6	130.3	128.8	126.3	123.2	120.8	120.4	117.2
7.5°	147.4	148.9	147.7	146.2	144.2	141.8	138.3	134.3	130.7	129.9	125.9
10°	168.8	168.4	166.7	164.4	161.6	159.3	154.9	148.9	144.5	143.8	138.3
12.5°	192.9	192.9	190.6	187.0	183.0	179.4	175.1	168.4	163.6	162.4	155.7
15°	220.2	221.5	217.9	213.9	208.4	203.3	199.3	192.1	186.6	185.4	177.1
17.5°	252.4	252.8	248.8	243.7	237.3	232.5	226.6	219.1	212.8	211.5	201.2
20°	289.2	288.8	284.1	276.9	269.8	265.5	257.9	249.6	242.4	241.6	229.3
22.5°	331.1	328.0	324.5	315.4	309.3	301.1	293.2	283.7	276.9	275.7	262.7
25°	378.3	374.0	370.4	358.5	349.7	339.9	331.5	323.3	317.7	315.4	299.9
27.5°	431.4	428.6	421.5	406.8	393.3	381.0	374.7	366.8	360.9	359.7	343.8
30°	490.8	484.1	476.6	458.7	440.5	423.9	417.6	414.4	410.0	408.5	390.6
32.5°	549.8	549.4	538.4	515.8	492.0	473.4	467.5	465.9	461.9	462.3	440.9
35°	619.6	619.2	605.3	577.6	547.9	524.9	520.9	522.9	521.7	521.3	497.2
37.5°	693.7	692.0	676.6	642.9	606.1	579.9	577.1	583.9	589.1	585.5	557.4
40°	770.1	771.3	750.3	710.6	667.5	637.8	636.2	651.6	657.2	653.7	620.3
42.5°	844.1	843.4	823.6	782.8	729.7	698.0	699.2	719.4	726.1	724.6	687.7
45°	915.8	915.1	897.2	849.8	793.5	759.0	765.0	789.5	802.6	802.6	758.6
47.5°	978.9	978.0	962.6	914.3	854.9	820.0	829.5	862.8	884.5	881.8	829.9
50°	1030.4	1029.2	1018.4	974.2	913.1	879.8	896.1	939.3	965.8	959.8	902.9
52.5°	1063.3	1064.8	1059.7	1022.4	965.4	935.3	960.2	1014.6	1043.8	1041.5	976.9
55°	1079.1	1079.9	1086.3	1057.3	1007.4	984.4	1021.2	1087.0	1123.1	1119.9	1048.2
57.5°	1071.5	1074.0	1091.0	1075.9	1036.4	1024.8	1075.9	1154.0	1197.2	1197.6	1111.2
60°	1039.8	1046.2	1072.4	1075.9	1050.6	1051.0	1121.1	1213.4	1262.9	1260.2	1163.5
62.5°	986.8	994.7	1032.8	1052.2	1043.4	1062.8	1150.8	1259.8	1310.4	1312.4	1201.1
65°	913.5	921.1	967.0	1005.8	1016.1	1056.1	1163.9	1289.0	1342.9	1342.5	1214.1
66°	878.6	886.2	935.3	981.2	999.4	1046.6	1163.1	1293.4	1347.3	1346.9	1212.2
67.5°	821.2	829.5	880.7	936.5	966.6	1025.6	1154.0	1291.1	1344.9	1344.2	1199.1
70°	715.0	724.6	781.6	843.4	893.8	971.4	1117.6	1264.1	1315.6	1311.6	1150.8
72.5°	604.2	614.0	671.1	736.8	807.7	899.7	1052.2	1201.9	1248.2	1243.1	1070.0
75°	495.6	505.1	561.3	628.3	705.1	805.4	960.2	1103.7	1140.5	1140.1	961.1
77.5°	396.5	404.9	455.2	521.7	599.3	700.8	847.3	984.8	1015.0	1007.0	831.6
80°	311.0	318.9	362.1	421.9	497.6	592.2	723.7	841.0	857.2	852.5	694.8
82.5°	241.2	248.4	286.0	337.9	406.0	489.3	593.8	696.0	703.6	698.4	562.5
85°	186.6	192.9	225.0	269.8	327.7	396.5	480.2	552.6	559.8	556.2	444.5
87.5°	144.5	148.9	175.8	213.5	262.3	318.1	380.7	436.6	433.7	430.3	343.8
90°	111.7	116.1	138.3	169.5	209.6	253.2	299.1	336.8	331.5	327.7	263.8
92.5°	86.7	89.9	109.4	135.4	168.0	201.2	233.7	257.9	251.1	248.4	201.2
95°	68.5	70.9	86.3	110.5	135.4	160.8	183.0	200.1	190.2	187.8	153.3
97.5°	55.0	56.7	69.8	89.1	110.2	129.5	144.5	151.7	144.2	142.2	116.8
100°	45.1	45.9	57.1	72.5	89.5	105.4	114.9	118.0	110.2	108.5	89.1
102.5°	37.2	38.1	47.2	61.0	74.5	85.5	91.6	93.5	83.6	82.3	68.9
105°	31.3	31.7	39.2	51.5	62.6	70.5	74.5	72.5	64.5	63.4	53.9
107.5°	26.9	27.3	32.8	44.0	53.1	59.0	61.4	58.6	50.3	49.1	42.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	23.3	23.3	28.1	37.2	45.1	50.3	51.1	46.7	39.6	38.9	34.1
112.5°	20.6	20.6	24.6	32.1	38.9	42.8	42.8	38.1	31.3	30.9	27.7
115°	18.6	18.6	21.4	27.7	33.7	36.8	36.0	30.9	25.4	25.0	23.0
117.5°	16.7	16.7	18.6	23.7	28.9	31.7	30.5	25.4	20.6	20.3	19.4
120°	15.0	15.0	16.7	20.3	25.0	26.9	25.8	21.0	17.1	16.7	16.3
122.5°	13.9	13.9	14.6	17.8	21.4	23.0	21.8	17.4	14.2	14.2	13.9
125°	12.7	12.7	13.5	15.4	18.2	19.8	18.2	14.2	11.9	11.9	12.3
127.5°	11.9	11.9	12.3	13.5	15.9	16.7	15.0	11.9	10.3	10.3	10.7
130°	10.7	10.7	11.0	11.9	13.1	13.9	12.3	9.9	9.1	8.7	9.1
132.5°	9.9	9.9	9.9	10.3	10.7	11.0	9.9	7.9	7.6	7.6	7.9
135°	8.7	9.1	8.7	8.7	8.7	8.7	7.6	6.3	6.3	6.3	6.8
137.5°	7.9	7.9	7.6	7.2	7.2	6.8	5.9	5.1	5.1	5.1	5.5
140°	6.8	6.8	6.8	5.9	5.1	4.7	4.0	4.0	4.4	4.4	4.7
142.5°	5.5	5.5	5.1	4.7	3.6	3.2	2.8	2.8	3.2	3.2	3.6
145°	4.4	4.4	4.0	3.2	2.4	1.5	1.5	1.5	1.9	1.9	2.4
147.5°	3.2	3.2	2.8	1.9	1.2	0.8	0.8	1.2	1.5	1.5	1.9
150°	1.9	1.9	1.5	1.2	0.4	0.0	0.4	0.8	1.2	1.2	1.5
152.5°	0.8	0.8	0.8	0.4	0.0	0.0	0.0	0.4	0.8	0.8	1.2
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	0.4
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°	110.2	110.2	110.2	110.2	110.2	110.2	110.2	110.2	110.2	110.2	110.2
2.5°	110.9	110.2	108.5	107.3	105.8	105.0	104.5	103.8	103.4	103.0	103.0
5°	115.7	114.1	111.3	108.5	106.2	103.8	102.6	101.4	100.2	99.4	99.4
7.5°	123.6	121.2	116.8	112.5	108.5	105.4	103.0	101.4	99.8	99.0	98.6
10°	134.7	131.6	125.6	119.7	114.1	109.4	106.2	104.1	102.6	101.4	101.1
12.5°	152.1	147.4	138.6	129.9	121.2	116.1	111.7	110.5	109.8	108.9	109.8
15°	172.4	166.3	155.7	144.2	133.5	125.2	121.6	120.8	120.0	119.7	119.7
17.5°	194.9	188.5	174.3	159.3	146.2	137.9	132.7	131.1	129.9	129.5	129.1
20°	222.3	213.9	195.7	176.3	160.8	151.7	144.5	141.8	140.7	140.7	140.7
22.5°	253.9	242.8	220.2	194.9	177.1	164.4	156.9	152.5	151.7	152.1	151.7
25°	289.6	276.1	247.1	215.9	192.5	176.7	167.2	163.2	162.0	162.9	162.9
27.5°	330.0	314.6	276.1	238.0	207.1	187.4	176.7	173.1	172.0	173.1	173.1
30°	372.4	355.0	306.2	259.1	219.8	196.1	184.2	181.5	180.2	181.5	181.9
32.5°	423.1	396.9	337.9	279.3	231.7	203.3	190.6	188.1	187.0	188.5	188.5
35°	475.4	443.2	369.6	297.9	241.2	208.4	194.9	192.9	192.1	193.7	193.7
37.5°	528.5	493.6	402.1	314.6	248.4	212.0	198.0	196.5	196.1	196.1	196.5
40°	586.7	543.1	433.0	328.0	253.5	213.9	200.1	198.0	197.6	197.3	197.3
42.5°	646.9	591.1	460.7	338.3	255.9	214.3	200.1	198.9	198.5	196.9	196.5
45°	708.7	642.1	486.8	345.5	256.7	213.5	199.7	198.5	198.0	195.3	194.9
47.5°	771.7	691.3	508.3	348.6	254.7	212.0	198.5	197.3	196.5	192.1	192.1
50°	833.9	739.6	526.5	349.0	251.5	209.2	196.9	196.5	194.9	189.8	188.9
52.5°	894.9	785.1	539.9	346.3	246.4	206.4	195.3	195.3	193.3	187.8	187.0
55°	952.4	825.9	547.9	339.9	240.5	202.9	193.3	193.7	191.7	185.8	184.9
57.5°	1002.3	859.6	549.0	330.4	233.7	199.3	191.3	192.1	191.0	184.2	183.4
60°	1042.3	881.1	543.5	318.9	225.8	194.9	188.9	190.6	189.3	183.0	182.6
62.5°	1064.1	889.4	529.7	304.6	217.9	191.0	185.8	188.5	187.8	181.5	181.1
65°	1065.6	879.0	506.7	288.4	209.6	186.2	183.0	185.4	185.4	179.8	179.4
66°	1059.7	868.8	495.2	282.0	206.0	184.2	181.5	184.2	184.6	179.4	178.7
67.5°	1041.1	847.3	475.4	271.0	200.5	181.1	178.7	181.9	182.2	177.9	176.7
70°	989.2	795.0	439.4	252.8	191.3	174.7	173.5	176.7	177.5	173.9	172.7
72.5°	909.5	726.5	396.9	232.9	181.1	167.6	167.2	170.3	171.1	168.0	166.7
75°	808.9	636.6	350.2	213.5	169.9	159.7	159.3	161.6	162.9	160.4	158.5
77.5°	694.1	544.3	304.2	193.7	158.9	150.6	150.6	152.5	152.9	150.6	148.5
80°	576.4	453.2	262.7	173.9	147.4	140.2	140.2	141.1	141.5	139.0	136.7
82.5°	465.9	369.6	222.6	154.9	134.3	128.8	128.4	128.4	128.0	125.9	123.2
85°	368.4	296.8	186.2	137.1	121.6	117.2	116.1	114.9	114.1	111.7	109.4
87.5°	288.0	236.1	156.9	120.4	108.9	105.4	103.8	102.2	100.2	97.5	94.3
90°	223.8	187.0	130.7	105.0	96.3	93.1	90.7	88.4	85.9	82.8	81.2
92.5°	173.5	147.7	109.4	90.3	84.4	82.0	79.6	76.4	73.2	70.1	68.5
95°	135.1	117.6	90.7	78.1	73.7	71.7	69.4	65.8	61.8	58.6	57.5
97.5°	105.4	93.5	75.7	67.3	64.5	62.2	59.8	56.3	51.9	48.3	47.6
100°	82.0	74.5	63.4	58.2	55.9	54.3	51.9	48.3	43.2	39.6	39.2
102.5°	65.0	59.8	53.1	50.3	48.7	47.2	44.8	41.2	36.0	32.1	32.1
105°	51.5	48.3	44.8	43.2	41.9	40.8	38.5	34.9	29.4	26.2	26.2
107.5°	41.6	39.2	37.6	36.8	36.4	35.3	33.2	29.4	24.1	21.4	21.4



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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	33.7	32.5	31.7	31.7	31.3	30.9	28.5	24.6	19.8	17.4	17.8
112.5°	27.7	26.9	26.9	27.3	27.3	26.5	24.1	20.6	16.3	14.6	14.6
115°	23.0	22.6	23.0	23.3	23.7	23.0	20.6	17.1	13.1	12.3	12.3
117.5°	19.4	19.4	19.8	20.3	20.3	19.4	17.4	14.2	10.7	10.3	10.3
120°	16.7	16.7	16.7	17.1	17.4	16.7	14.6	11.5	8.7	8.7	8.7
122.5°	14.2	14.2	14.2	14.6	14.6	14.2	12.3	9.5	7.6	7.6	7.6
125°	12.3	12.3	12.3	12.7	12.7	11.9	9.9	7.9	6.3	6.3	6.3
127.5°	10.7	10.7	10.7	10.7	10.7	9.9	8.3	6.3	5.1	5.5	5.5
130°	9.5	9.5	9.1	9.1	8.7	8.3	6.8	5.1	4.4	4.7	4.7
132.5°	7.9	8.3	7.9	7.6	7.2	6.3	5.1	4.0	3.6	4.0	4.0
135°	6.8	7.2	6.8	5.9	5.5	5.1	4.0	3.2	3.2	3.2	3.2
137.5°	5.9	5.9	5.5	4.7	4.4	3.6	2.8	2.4	2.4	2.8	2.8
140°	4.7	4.7	4.4	3.6	3.2	2.4	1.5	1.5	1.9	1.9	1.9
142.5°	3.6	3.6	3.2	2.4	1.5	1.2	0.8	0.8	1.2	1.5	1.5
145°	2.4	2.4	2.4	1.5	1.2	0.4	0.0	0.4	0.8	0.8	0.8
147.5°	1.9	1.9	1.5	1.2	0.4	0.0	0.0	0.0	0.4	0.4	0.4
150°	1.5	1.5	1.2	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.2	1.2	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°	0.0	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)