

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: P254950

Luminaire Tested: **LXF.LXT-AF24-30-D-U-SL3-FL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254950
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-31)
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-SL3-FL-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2960.9 lumens
Efficiency: N/A
Efficacy: 95.5 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

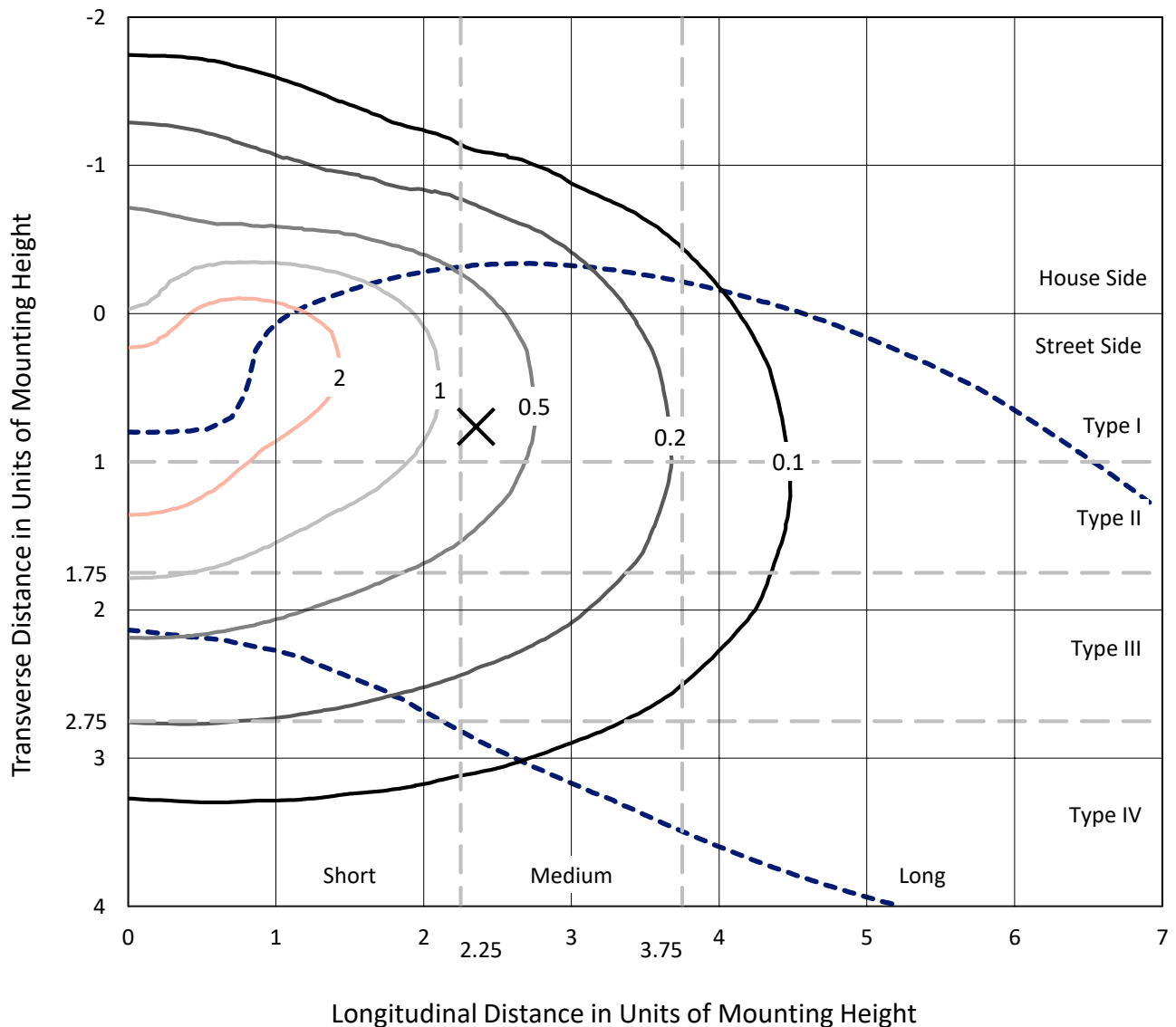


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

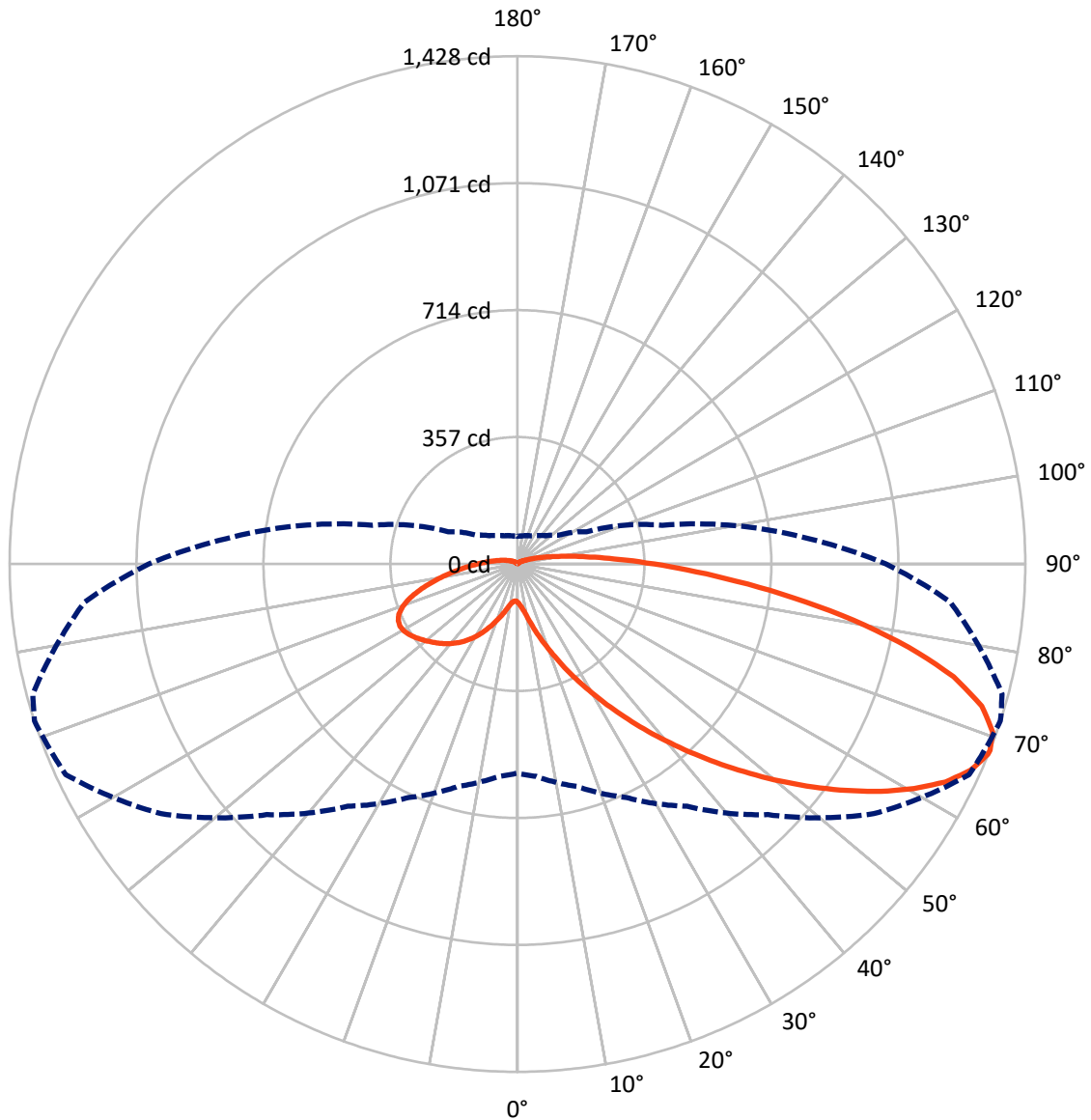


Based on 10 foot mounting height. Maximum calculated value = 3.4 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

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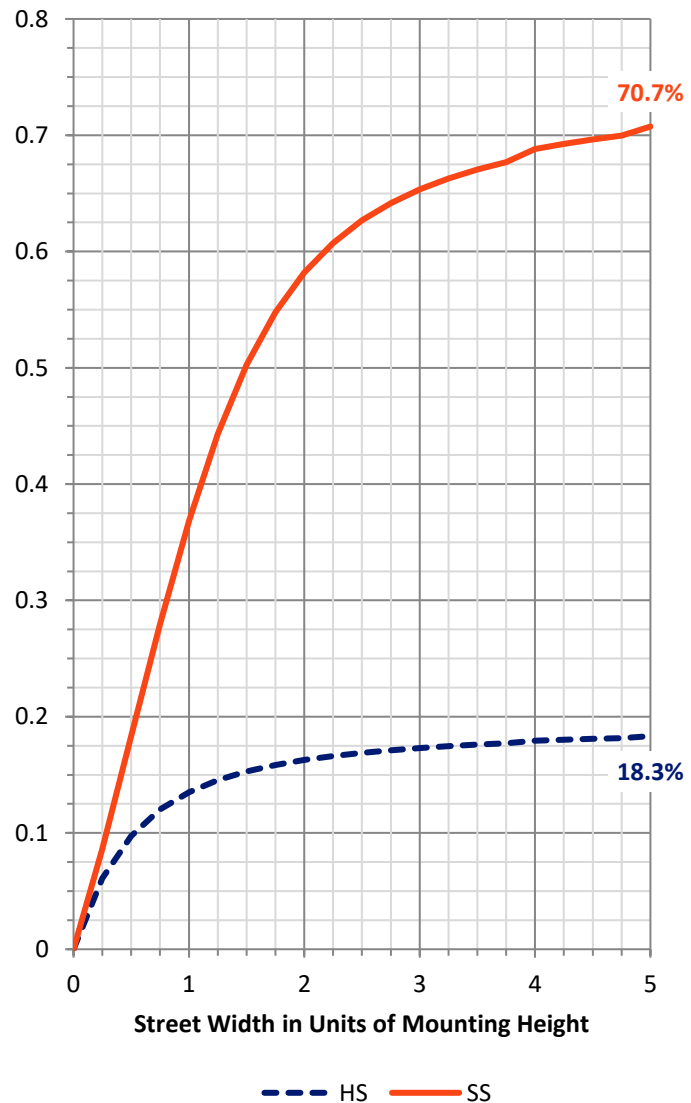
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	569.0	67.8	636.8
	% Fixture	19.2	2.3	21.5
Street Side	Lumens	2184.4	139.7	2324.1
	% Fixture	73.8	4.7	78.5
Total	Lumens	2753.4	207.5	2960.9
	% Fixture	93.0	7.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.3	0.4
10°-20°	47.0	1.6
20°-30°	116.3	3.9
30°-40°	227.5	7.7
40°-50°	379.1	12.8
50°-60°	539.9	18.2
60°-70°	625.5	21.1
70°-80°	522.4	17.6
80°-90°	284.4	9.6
90°-100°	119.4	4.0
100°-110°	49.7	1.7
110°-120°	22.4	0.8
120°-130°	10.5	0.4
130°-140°	4.4	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°	2753.4	93.0
0°-180°	2960.9	100.0

Coefficient of Utilization



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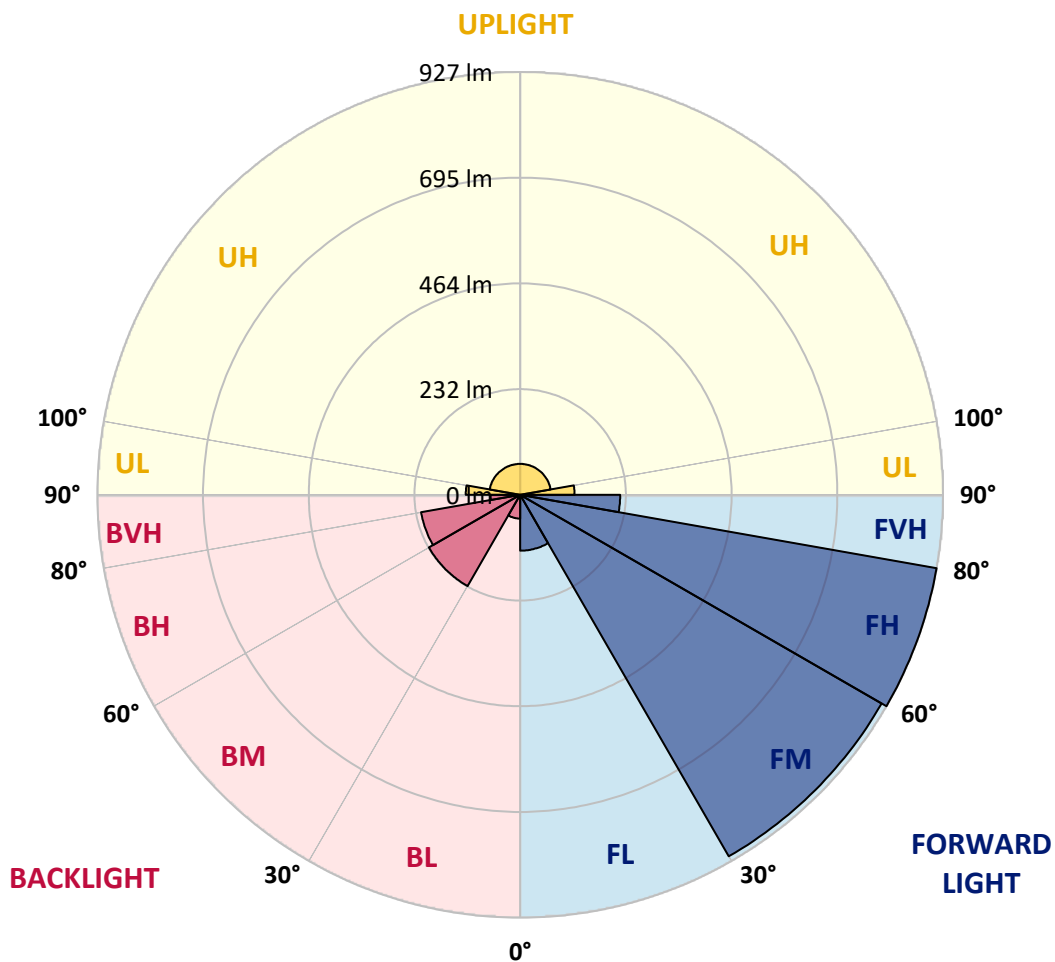
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	122.5	4.1			
FM	(30°-60°)	915.3	30.9			
FH	(60°-80°)	927.3	31.3			G1/1800
FVH	(80°-90°)	219.3	7.4			G2/225
BL	(0°-30°)	52.1	1.8	B0/110		
BM	(30°-60°)	231.1	7.8	B1/1000		
BH	(60°-80°)	220.7	7.5	B1/500		G1/500
BVH	(80°-90°)	65.1	2.2			G1/100
UL	(90°-100°)	119.4	4.0		U3/500	
UH	(100°-180°)	67.8	2.3		U3/500	

BUG Rating: B1-U3-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	107.5	107.5	107.5	107.5	107.5	107.5	107.5	107.5	107.5	107.5	107.5
2.5°	123.3	123.3	123.6	122.5	121.4	120.1	117.6	115.4	113.5	112.3	110.2
5°	140.1	140.4	139.7	138.5	136.7	134.1	130.3	125.8	122.1	121.4	116.2
7.5°	159.9	159.9	159.2	157.4	155.0	151.4	145.7	139.7	134.4	133.3	125.4
10°	182.8	182.8	182.4	179.4	176.0	171.5	164.8	158.4	151.4	149.0	138.5
12.5°	209.7	209.3	208.2	204.5	200.4	194.7	187.3	179.4	172.6	170.0	157.4
15°	239.0	239.0	237.4	232.5	227.7	220.9	214.2	207.5	198.9	195.9	179.7
17.5°	271.2	270.8	267.8	263.4	256.5	251.3	245.0	237.1	227.7	224.0	205.2
20°	307.4	306.4	302.2	296.2	290.2	283.5	277.1	266.3	258.4	256.1	234.5
22.5°	348.6	346.8	341.6	333.2	326.1	318.0	311.2	301.9	294.7	290.6	269.3
25°	394.8	394.0	387.6	374.1	364.1	354.6	347.9	343.4	337.1	331.0	306.4
27.5°	444.9	443.0	432.5	419.0	403.2	392.8	386.4	383.1	379.3	376.0	347.1
30°	498.8	497.6	483.8	467.0	446.0	432.5	428.1	428.4	427.6	424.3	392.5
32.5°	557.2	556.4	539.3	517.9	491.6	473.7	472.6	478.2	479.3	477.1	441.2
35°	619.8	619.1	599.2	572.6	539.6	518.7	520.2	531.0	535.9	534.1	493.2
37.5°	683.4	682.7	662.1	629.6	589.0	565.1	569.6	587.6	596.9	595.5	548.6
40°	753.5	746.7	725.4	686.4	640.4	613.8	623.9	647.9	661.7	656.4	606.7
42.5°	814.1	809.3	786.0	742.6	692.3	668.1	680.4	712.0	730.6	729.1	668.8
45°	867.7	865.5	842.6	796.2	744.5	720.1	740.0	780.4	803.6	799.6	734.3
47.5°	916.0	912.2	891.3	844.5	792.4	774.8	801.8	850.8	879.6	877.1	802.2
50°	948.6	947.1	928.7	884.1	837.0	821.9	866.5	927.3	959.9	956.8	872.6
52.5°	963.5	963.2	950.8	913.4	875.1	877.5	932.5	1005.5	1041.5	1040.3	945.5
55°	958.6	958.3	953.9	929.1	905.1	923.5	998.4	1085.3	1124.2	1123.5	1016.3
57.5°	929.9	931.3	937.3	928.3	925.0	965.9	1062.0	1163.2	1205.9	1203.6	1085.6
60°	874.8	878.2	897.2	908.5	930.6	995.8	1120.9	1240.0	1281.8	1278.2	1148.6
62.5°	799.1	807.0	835.5	869.6	919.4	1016.0	1173.2	1308.1	1349.7	1341.8	1192.3
65°	708.9	718.0	756.5	812.7	891.3	1019.0	1210.7	1363.9	1399.8	1389.8	1222.7
67.5°	608.6	619.8	666.6	740.3	843.7	1002.9	1224.2	1398.3	1426.8	1410.6	1225.7
68°	588.0	599.2	647.5	724.3	831.4	996.6	1223.8	1401.4	1427.9	1410.6	1221.2
70°	507.8	519.7	572.6	657.6	782.3	964.6	1209.2	1398.0	1417.8	1396.9	1191.3
72.5°	416.4	428.4	481.7	571.9	707.0	899.1	1157.9	1356.0	1365.4	1340.7	1119.0
75°	334.5	346.8	398.0	489.1	625.4	821.3	1072.9	1268.4	1266.6	1237.7	1010.0
77.5°	264.7	276.0	324.7	410.9	541.5	726.1	963.5	1137.7	1125.4	1095.0	871.5
80°	208.2	218.3	262.6	341.6	460.6	626.5	832.9	978.5	957.9	926.8	722.4
82.5°	162.6	171.9	210.9	280.9	386.1	529.6	692.3	810.3	782.0	753.5	579.3
85°	127.0	134.4	169.0	229.2	319.0	437.8	569.6	647.2	617.2	592.4	451.7
87.5°	99.2	105.7	134.8	186.1	263.4	355.7	454.3	504.0	476.0	455.7	346.4
90°	77.9	82.4	108.6	150.9	212.3	286.8	356.8	386.9	361.7	346.1	264.4
92.5°	61.8	65.1	86.6	122.5	171.1	227.7	276.4	293.3	272.3	260.7	200.7
95°	49.3	52.0	70.0	100.0	139.3	180.2	212.7	221.4	204.9	195.9	152.4
97.5°	40.4	42.3	57.7	81.3	111.6	143.0	164.8	168.2	154.7	147.9	116.5
100°	33.7	34.9	47.5	67.4	90.5	113.8	128.5	128.8	117.6	112.0	88.7
102.5°	28.4	29.2	39.7	56.2	75.0	91.3	101.1	99.2	89.1	84.6	68.2
105°	24.4	25.1	33.4	47.2	62.5	74.2	79.8	76.8	68.2	64.8	52.8
107.5°	21.3	21.8	28.1	39.7	52.5	61.0	64.5	60.3	52.8	49.8	41.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
110°	18.7	19.1	23.9	34.1	44.1	51.4	52.5	47.5	41.2	38.9	33.4
112.5°	16.5	16.8	21.0	28.9	37.8	43.0	43.4	38.2	32.6	30.7	27.0
115°	15.0	15.4	18.3	24.7	32.2	36.3	35.9	30.7	25.7	24.4	22.1
117.5°	13.8	14.2	16.5	21.3	27.8	30.7	29.9	25.1	21.0	19.8	18.7
120°	12.8	13.1	14.6	18.3	23.6	26.2	24.7	20.2	17.3	16.5	15.8
122.5°	12.0	12.0	13.1	16.1	20.2	22.1	20.6	16.8	14.2	13.4	13.4
125°	10.8	11.3	12.0	13.8	17.3	18.7	17.3	13.8	11.6	11.6	11.6
127.5°	10.5	10.5	10.8	12.3	14.6	15.8	14.2	11.3	9.8	9.8	10.2
130°	9.8	9.8	9.8	10.8	12.3	12.8	11.3	9.0	8.2	8.2	8.6
132.5°	9.0	9.0	9.0	9.4	10.2	10.2	9.0	7.5	7.1	7.1	7.5
135°	8.2	8.2	7.8	7.8	8.2	7.8	7.1	6.0	5.6	6.0	6.3
137.5°	7.1	7.1	7.1	6.8	6.3	6.0	4.9	4.5	4.5	4.9	5.3
140°	6.0	6.0	6.0	5.3	4.9	4.2	3.4	2.9	3.4	3.8	4.2
142.5°	4.9	4.9	4.9	4.2	3.4	2.6	1.8	1.8	2.3	2.6	2.9
145°	3.8	3.8	3.8	2.9	2.3	1.5	1.1	1.5	1.8	1.8	2.3
147.5°	2.6	2.6	2.6	1.8	1.1	0.3	0.3	1.1	1.5	1.5	1.8
150°	1.5	1.5	1.5	0.8	0.3	0.0	0.0	0.8	1.1	1.1	1.5
152.5°	0.3	0.3	0.8	0.3	0.0	0.0	0.0	0.3	0.8	0.8	1.1
155°	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.8
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°	107.5	107.5	107.5	107.5	107.5	107.5	107.5	107.5	107.5	107.5	107.5
2.5°	108.6	107.5	104.9	102.2	100.0	98.2	96.5	95.8	95.2	94.7	94.0
5°	113.5	110.9	105.7	100.7	96.2	92.6	88.7	86.6	85.0	83.9	83.5
7.5°	121.8	117.6	109.7	102.2	95.2	88.4	83.9	80.9	78.2	76.8	76.4
10°	133.8	128.5	116.8	106.0	96.2	87.6	81.3	76.8	73.8	72.3	72.3
12.5°	150.9	143.0	127.8	112.7	99.2	88.4	80.6	76.4	74.2	72.9	72.9
15°	172.3	161.8	141.9	122.5	105.2	91.8	83.9	79.4	77.1	76.1	76.1
17.5°	195.9	182.4	157.7	133.0	111.2	97.8	87.6	82.4	79.8	78.6	78.6
20°	222.8	207.5	174.5	143.4	119.1	103.4	91.8	85.0	82.4	81.6	81.3
22.5°	253.5	233.7	192.9	154.3	127.0	107.8	95.2	87.3	85.0	84.2	84.2
25°	287.6	263.7	212.7	165.8	133.3	111.2	97.8	89.9	87.3	86.9	86.6
27.5°	323.5	295.4	232.5	177.1	138.2	113.1	99.2	92.1	89.1	89.1	88.7
30°	365.5	328.8	251.7	186.5	141.2	113.8	99.7	93.2	90.5	91.0	91.3
32.5°	407.4	364.1	270.8	194.7	143.4	114.1	99.7	93.6	91.0	92.1	92.1
35°	452.0	400.3	289.1	201.5	144.5	113.8	99.7	94.4	91.3	92.6	92.9
37.5°	498.8	437.4	306.7	206.7	145.4	113.5	99.7	94.4	91.8	92.9	92.9
40°	546.8	474.5	323.5	210.5	145.4	113.1	99.2	94.4	92.6	92.6	92.9
42.5°	598.4	513.1	338.9	213.5	145.4	112.3	99.2	94.4	91.8	92.1	92.6
45°	653.2	552.8	353.6	215.7	144.9	112.3	98.9	94.0	91.3	91.0	91.3
47.5°	706.7	594.0	367.7	218.0	144.5	112.7	98.9	93.6	90.5	89.1	89.5
50°	765.8	636.7	382.3	219.5	144.9	112.7	99.2	93.2	89.5	87.6	88.0
52.5°	824.3	679.4	396.6	221.4	144.9	113.1	99.2	92.6	88.4	85.8	86.1
55°	886.1	721.6	410.5	223.2	145.4	113.5	99.7	91.8	87.3	84.2	84.6
57.5°	939.9	762.1	422.9	224.3	145.4	114.1	99.7	91.3	86.1	82.7	82.7
60°	989.5	799.6	432.8	224.7	145.4	114.1	99.7	90.5	85.3	81.3	81.3
62.5°	1026.8	824.6	437.8	224.0	144.5	114.1	99.2	89.9	84.6	80.1	80.1
65°	1045.9	835.5	435.5	221.4	143.7	113.8	98.9	88.7	83.5	79.4	79.0
67.5°	1041.1	827.2	424.7	216.2	141.9	112.7	97.8	87.3	82.7	78.6	77.9
68°	1036.3	820.9	421.3	214.5	140.8	112.3	97.4	87.3	82.4	78.6	77.9
70°	1003.2	793.6	403.7	208.2	139.0	110.9	96.2	85.8	81.3	77.9	77.1
72.5°	933.6	734.3	374.1	197.3	134.4	108.2	93.6	83.9	79.8	76.8	75.6
75°	833.6	655.3	337.1	184.6	128.8	104.9	90.2	81.3	77.5	75.0	73.8
77.5°	719.8	562.4	296.2	169.3	122.1	100.7	86.6	78.2	75.0	72.6	70.8
80°	595.5	467.0	255.0	153.2	114.6	95.5	82.4	74.6	71.6	69.0	67.4
82.5°	477.5	378.2	216.2	137.7	105.7	88.7	77.5	70.0	67.0	64.8	63.0
85°	374.1	301.4	180.9	122.1	97.4	82.7	72.3	65.1	62.5	59.9	58.0
87.5°	289.9	237.1	151.7	107.5	88.0	76.1	67.0	60.3	57.3	54.3	52.8
90°	224.0	186.5	125.4	93.6	79.8	69.7	61.4	55.0	51.7	49.0	47.5
92.5°	172.6	147.2	104.2	82.1	71.1	63.0	55.8	50.1	46.4	43.0	41.9
95°	133.8	116.5	86.6	71.1	63.3	56.6	50.6	44.9	40.9	37.4	36.3
97.5°	104.2	92.1	71.9	61.4	55.8	50.1	44.9	40.1	35.9	31.8	31.0
100°	80.6	72.9	60.3	53.2	49.0	44.1	39.7	35.6	30.7	27.0	26.6
102.5°	63.3	58.5	50.6	46.1	42.7	38.9	35.2	31.0	26.2	22.5	22.1
105°	50.1	47.2	42.3	39.4	37.0	34.1	31.0	27.0	21.8	18.7	18.7
107.5°	40.1	38.2	35.6	33.7	32.2	29.6	27.0	22.8	18.0	15.4	15.8



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CATALOG NUMBER: LXF.LXT-AF24-30-D-U-SL3-FL-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	32.6	31.4	29.9	29.2	28.1	25.7	23.3	19.4	15.0	12.8	13.1
112.5°	26.6	26.2	25.4	25.1	24.4	22.5	19.8	16.1	12.0	10.8	10.8
115°	22.1	21.8	21.8	21.3	21.0	19.4	16.8	13.4	9.8	9.0	9.0
117.5°	18.7	18.7	18.3	18.3	18.0	16.5	14.2	11.3	7.8	7.5	7.5
120°	15.8	15.8	15.8	15.8	15.4	13.8	12.0	9.0	6.3	6.3	6.3
122.5°	13.4	13.8	13.4	13.4	13.1	12.0	9.8	7.1	5.3	5.3	5.6
125°	11.6	11.6	11.6	11.3	10.8	9.8	7.8	5.6	4.5	4.5	4.5
127.5°	10.2	10.2	10.2	9.8	9.0	8.2	6.3	4.5	3.8	3.8	3.8
130°	9.0	8.6	8.6	8.2	7.5	6.3	4.9	3.4	2.9	2.9	2.9
132.5°	7.5	7.5	7.1	6.8	6.0	4.9	3.8	2.3	2.3	2.6	2.6
135°	6.3	6.3	6.0	5.3	4.5	3.8	2.6	1.8	1.8	1.8	1.8
137.5°	5.3	5.3	4.9	4.2	3.4	2.3	1.5	1.1	1.1	1.5	1.5
140°	4.2	4.2	3.8	2.9	2.3	1.5	0.8	0.3	0.8	0.8	0.8
142.5°	2.9	2.9	2.6	1.8	1.1	0.8	0.0	0.3	0.3	0.3	0.3
145°	2.3	2.3	1.8	1.5	0.8	0.3	0.0	0.0	0.3	0.0	0.0
147.5°	1.8	1.8	1.5	1.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.5	1.1	1.1	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.1	0.8	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.8	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.3	0.3	0.0	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)