

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: P266073

Luminaire Tested: **LXF.LXT-AF24-40-D-U-T3-FL-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P266073
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-AF24-40-D-U-T3-FL-7027
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 500mA 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: 3584.4 lumens
Efficiency: N/A
Efficacy: 89.6 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): 40
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

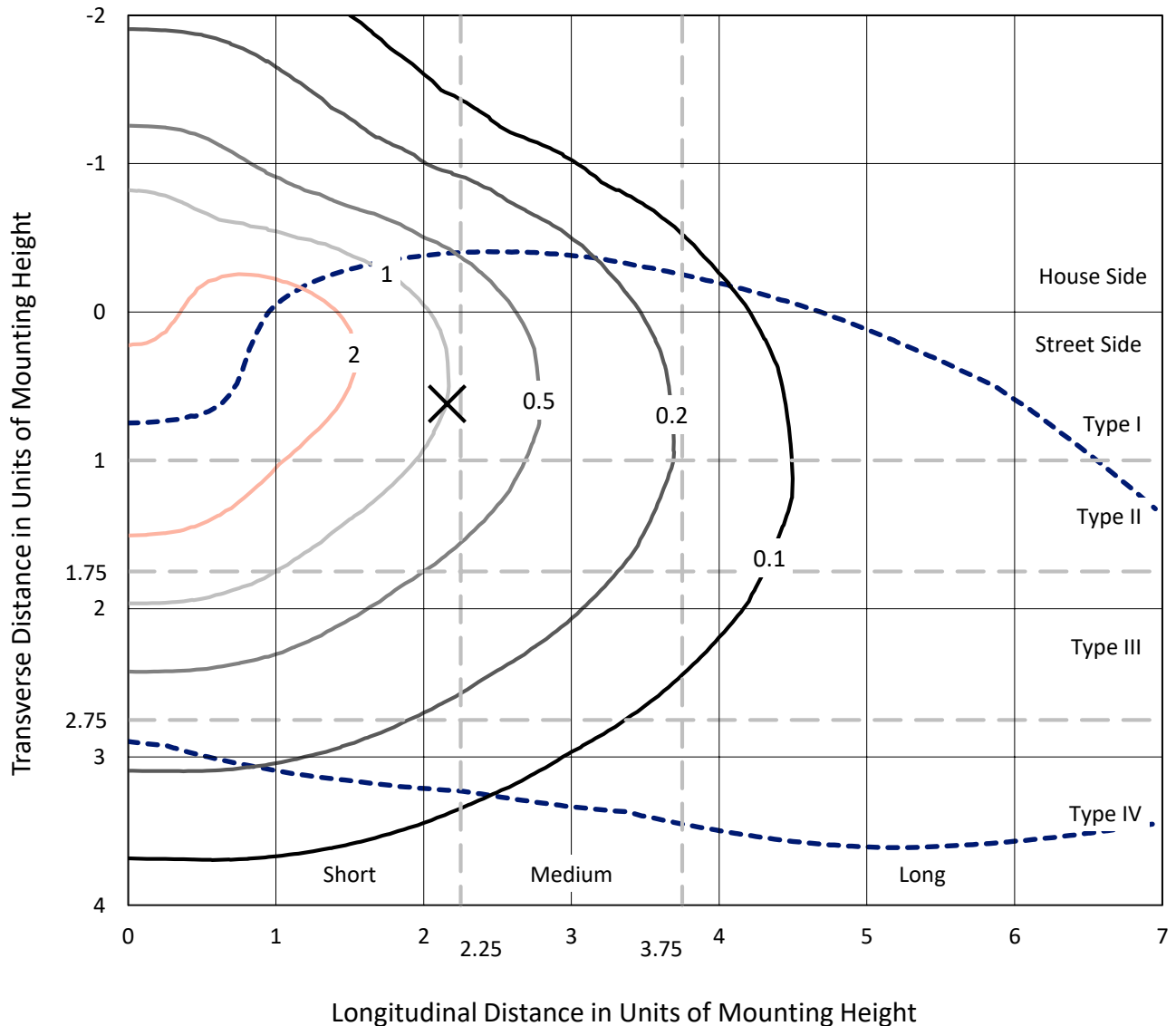


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

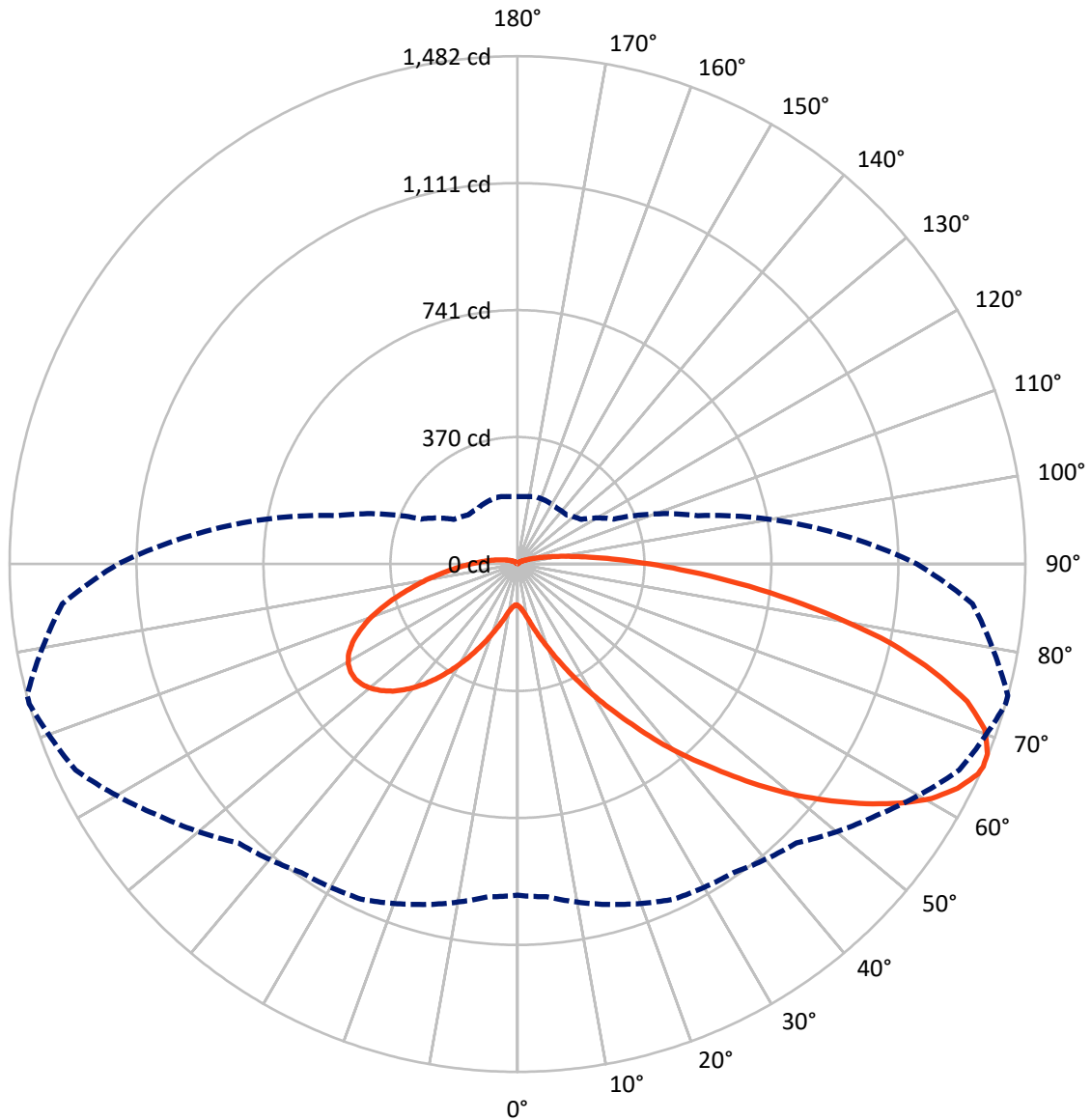


Based on 10 foot mounting height. Maximum calculated value = 3.8 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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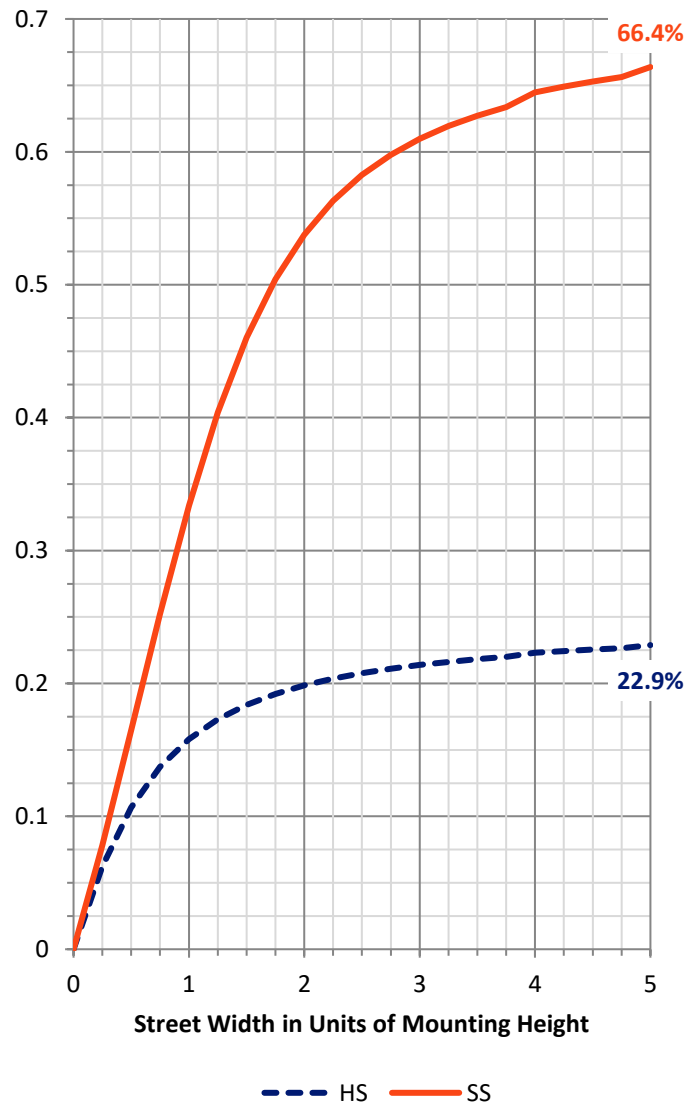
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	862.1	89.2	951.3
	% Fixture	24.1	2.5	26.5
Street Side	Lumens	2480.3	152.8	2633.1
	% Fixture	69.2	4.3	73.5
Total	Lumens	3342.4	242.0	3584.4
	% Fixture	93.2	6.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.8	0.4
10°-20°	54.3	1.5
20°-30°	139.2	3.9
30°-40°	281.9	7.9
40°-50°	477.3	13.3
50°-60°	676.9	18.9
60°-70°	764.2	21.3
70°-80°	611.1	17.0
80°-90°	324.6	9.1
90°-100°	136.9	3.8
100°-110°	58.2	1.6
110°-120°	26.9	0.7
120°-130°	12.8	0.4
130°-140°	5.6	0.2
140°-150°	1.5	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3342.4	93.2
0°-180°	3584.4	100.0

Coefficient of Utilization



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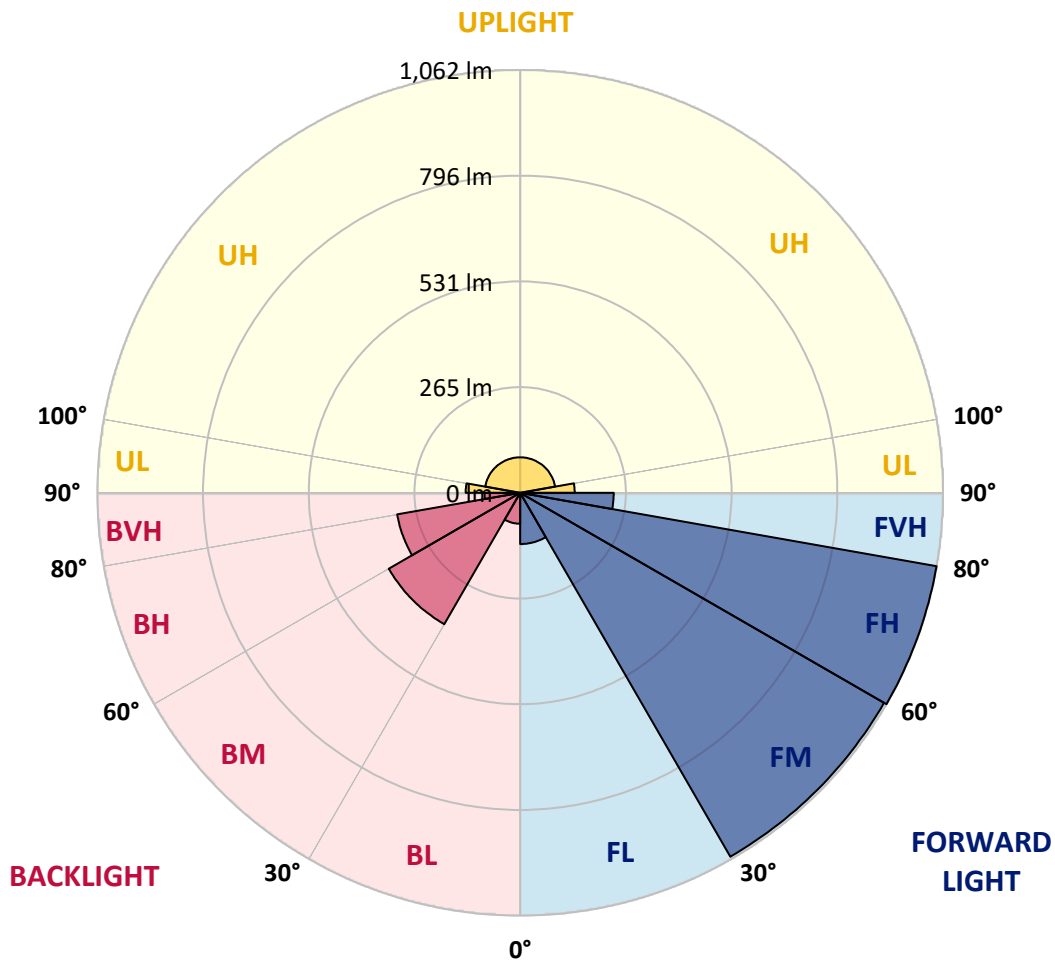
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	128.6	3.6			
FM (30°-60°)	1055.0	29.4			
FH (60°-80°)	1061.8	29.6			G1/1800
FVH (80°-90°)	234.9	6.6			G3/500
BL (0°-30°)	77.7	2.2	B0/110		
BM (30°-60°)	381.1	10.6	B1/1000		
BH (60°-80°)	313.5	8.7	B1/500		G1/500
BVH (80°-90°)	89.8	2.5			G1/100
UL (90°-100°)	136.9	3.8		U3/500	
UH (100°-180°)	89.2	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°	121.1	121.1	121.1	121.1	121.1	121.1	121.1	121.1	121.1	121.1	121.1
2.5°	132.1	132.9	132.1	131.6	130.8	130.3	128.5	126.3	125.0	124.7	122.9
5°	145.5	146.9	146.0	144.6	143.3	141.7	139.0	135.6	132.9	132.4	128.9
7.5°	162.1	163.9	162.6	160.7	158.6	155.9	152.1	147.7	143.8	142.9	138.6
10°	185.6	185.2	183.4	180.7	177.8	175.1	170.4	163.9	159.0	158.1	152.1
12.5°	212.2	212.2	209.6	205.6	201.3	197.4	192.5	185.2	179.9	178.7	171.2
15°	242.3	243.5	239.6	235.3	229.2	223.5	219.1	211.3	205.3	203.8	194.8
17.5°	277.5	277.9	273.7	268.0	261.0	255.7	249.2	240.9	234.0	232.7	221.3
20°	318.0	317.6	312.4	304.5	296.7	291.9	283.7	274.5	266.6	265.8	252.2
22.5°	364.3	360.7	356.8	346.7	340.3	331.1	322.4	311.9	304.5	303.3	288.9
25°	416.1	411.2	407.3	394.3	384.7	373.9	364.6	355.5	349.4	346.7	329.8
27.5°	474.5	471.4	463.5	447.4	432.7	419.1	412.1	403.5	397.0	395.7	378.1
30°	539.8	532.3	524.2	504.5	484.5	466.2	459.3	455.7	450.9	449.2	429.6
32.5°	604.6	604.3	592.2	567.3	541.0	520.7	514.1	512.4	508.0	508.4	484.9
35°	681.5	680.9	665.7	635.2	602.6	577.3	572.8	575.0	573.7	573.4	546.8
37.5°	762.9	761.1	744.2	707.1	666.6	637.8	634.8	642.2	647.9	643.9	613.1
40°	846.9	848.3	825.2	781.6	734.2	701.4	699.7	716.7	722.7	718.9	682.3
42.5°	928.4	927.6	905.9	860.8	802.5	767.7	768.9	791.1	798.7	796.8	756.4
45°	1007.3	1006.5	986.8	934.5	872.7	834.7	841.4	868.3	882.7	882.7	834.3
47.5°	1076.6	1075.7	1058.7	1005.6	940.2	901.9	912.3	948.9	972.9	969.8	912.8
50°	1133.2	1132.0	1120.1	1071.3	1004.2	967.7	985.5	1033.1	1062.2	1055.7	992.8
52.5°	1169.4	1171.1	1165.5	1124.5	1061.7	1028.6	1056.0	1115.8	1148.0	1145.3	1074.5
55°	1186.8	1187.6	1194.7	1162.9	1107.9	1082.6	1123.2	1195.6	1235.2	1231.7	1152.9
57.5°	1178.4	1181.1	1199.9	1183.2	1139.7	1127.2	1183.2	1269.1	1316.6	1317.0	1222.1
60°	1143.6	1150.5	1179.4	1183.2	1155.4	1155.8	1233.0	1334.5	1389.0	1385.8	1279.5
62.5°	1085.3	1094.0	1135.7	1157.1	1147.6	1169.0	1265.6	1385.5	1441.2	1443.3	1321.0
65°	1004.7	1013.0	1063.6	1106.3	1117.5	1161.5	1280.1	1417.6	1477.0	1476.5	1335.4
66°	966.3	974.7	1028.6	1079.1	1099.3	1151.1	1279.1	1422.5	1481.8	1481.3	1333.2
67.5°	903.2	912.3	968.6	1029.9	1063.1	1128.0	1269.1	1420.0	1479.1	1478.3	1318.8
70°	786.3	796.8	859.6	927.6	982.8	1068.3	1229.1	1390.2	1446.9	1442.6	1265.6
72.5°	664.3	675.3	738.0	810.5	888.3	989.5	1157.1	1321.9	1372.8	1367.2	1176.8
75°	545.0	555.5	617.3	690.9	775.4	885.6	1056.0	1213.8	1254.4	1253.9	1056.9
77.5°	436.0	445.3	500.5	573.7	659.1	770.7	931.9	1083.0	1116.2	1107.5	914.5
80°	342.1	350.7	398.2	464.1	547.2	651.4	796.0	925.0	942.9	937.7	764.2
82.5°	265.3	273.2	314.5	371.5	446.5	538.1	653.1	765.4	773.8	768.1	618.7
85°	205.3	212.2	247.5	296.7	360.3	436.0	528.1	607.8	615.6	611.7	488.9
87.5°	159.0	163.9	193.4	234.8	288.4	349.9	418.7	480.1	477.1	473.1	378.1
90°	122.9	127.6	152.1	186.5	230.4	278.5	328.9	370.3	364.6	360.3	290.2
92.5°	95.4	99.0	120.3	148.9	184.7	221.3	257.1	283.7	276.1	273.2	221.3
95°	75.4	78.1	95.0	121.5	148.9	176.8	201.3	220.1	209.1	206.5	168.6
97.5°	60.5	62.3	76.6	98.1	121.1	142.6	159.0	166.8	158.6	156.5	128.5
100°	49.6	50.6	62.7	79.7	98.5	115.9	126.3	129.8	121.1	119.4	98.1
102.5°	41.0	41.9	51.8	67.2	81.9	94.1	100.6	102.9	91.9	90.5	75.7
105°	34.5	34.9	43.1	56.7	68.8	77.6	81.9	79.7	71.1	69.7	59.3
107.5°	29.6	30.1	36.1	48.4	58.4	64.9	67.6	64.5	55.3	54.0	46.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	25.7	25.7	30.9	41.0	49.6	55.3	56.2	51.5	43.6	42.7	37.5
112.5°	22.6	22.6	26.9	35.4	42.7	47.0	47.0	41.9	34.5	34.0	30.5
115°	20.5	20.5	23.5	30.5	37.0	40.6	39.6	34.0	27.8	27.5	25.2
117.5°	18.2	18.2	20.5	26.1	31.8	34.9	33.5	27.8	22.6	22.2	21.4
120°	16.6	16.6	18.2	22.2	27.5	29.6	28.3	23.0	18.8	18.2	17.8
122.5°	15.2	15.2	16.1	19.7	23.5	25.2	24.0	19.1	15.7	15.7	15.2
125°	14.0	14.0	14.8	17.0	20.0	21.7	20.0	15.7	13.0	13.0	13.6
127.5°	13.0	13.0	13.6	14.8	17.4	18.2	16.6	13.0	11.3	11.3	11.8
130°	11.8	11.8	12.1	13.0	14.4	15.2	13.6	10.9	10.1	9.6	10.1
132.5°	10.9	10.9	10.9	11.3	11.8	12.1	10.9	8.8	8.3	8.3	8.8
135°	9.6	10.1	9.6	9.6	9.6	9.6	8.3	6.9	6.9	6.9	7.4
137.5°	8.8	8.8	8.3	7.8	7.8	7.4	6.6	5.7	5.7	5.7	6.1
140°	7.4	7.4	7.4	6.6	5.7	5.2	4.3	4.3	4.9	4.9	5.2
142.5°	6.1	6.1	5.7	5.2	4.0	3.6	3.1	3.1	3.6	3.6	4.0
145°	4.9	4.9	4.3	3.6	2.6	1.7	1.7	1.7	2.2	2.2	2.6
147.5°	3.6	3.6	3.1	2.2	1.3	0.9	0.9	1.3	1.7	1.7	2.2
150°	2.2	2.2	1.7	1.3	0.4	0.0	0.4	0.9	1.3	1.3	1.7
152.5°	0.9	0.9	0.9	0.4	0.0	0.0	0.0	0.4	0.9	0.9	1.3
155°	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.9
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°	121.1	121.1	121.1	121.1	121.1	121.1	121.1	121.1	121.1	121.1	121.1
2.5°	122.0	121.1	119.4	118.0	116.3	115.4	115.1	114.2	113.7	113.2	113.2
5°	127.2	125.5	122.3	119.4	116.8	114.2	112.8	111.5	110.2	109.4	109.4
7.5°	136.0	133.3	128.5	123.7	119.4	115.9	113.2	111.5	109.9	109.0	108.4
10°	148.1	144.6	138.1	131.6	125.5	120.3	116.8	114.5	112.8	111.5	111.1
12.5°	167.4	162.1	152.5	142.9	133.3	127.6	122.9	121.5	120.7	119.8	120.7
15°	189.5	183.0	171.2	158.6	146.9	137.7	133.8	132.9	132.1	131.6	131.6
17.5°	214.3	207.4	191.7	175.1	160.7	151.6	146.0	144.2	142.9	142.6	142.0
20°	244.3	235.3	215.2	193.9	176.8	166.8	159.0	155.9	154.7	154.7	154.7
22.5°	279.3	267.1	242.3	214.3	194.8	180.7	172.6	167.8	166.8	167.4	166.8
25°	318.4	303.6	271.8	237.4	211.7	194.4	183.9	179.5	178.3	179.0	179.0
27.5°	362.9	345.9	303.6	261.9	227.9	206.2	194.4	190.4	189.2	190.4	190.4
30°	409.5	390.4	336.8	284.9	241.9	215.7	202.6	199.6	198.3	199.6	200.0
32.5°	465.3	436.5	371.5	307.1	254.8	223.5	209.6	207.0	205.6	207.4	207.4
35°	522.9	487.5	406.6	327.6	265.3	229.2	214.3	212.2	211.3	213.1	213.1
37.5°	581.3	542.8	442.2	345.9	273.2	233.1	217.7	216.1	215.7	215.7	216.1
40°	645.3	597.4	476.2	360.7	278.8	235.3	220.1	217.7	217.4	217.0	217.0
42.5°	711.5	650.1	506.7	372.1	281.4	235.6	220.1	218.6	218.3	216.5	216.1
45°	779.4	706.2	535.5	380.0	282.2	234.8	219.5	218.3	217.7	214.8	214.3
47.5°	848.7	760.2	558.9	383.3	280.1	233.1	218.3	217.0	216.1	211.3	211.3
50°	917.1	813.4	579.0	383.8	276.7	230.1	216.5	216.1	214.3	208.6	207.8
52.5°	984.3	863.5	593.8	380.8	271.0	227.0	214.8	214.8	212.5	206.5	205.6
55°	1047.3	908.4	602.6	373.9	264.5	223.0	212.5	213.1	210.8	204.4	203.5
57.5°	1102.3	945.5	603.8	363.4	257.1	219.1	210.5	211.3	210.1	202.6	201.7
60°	1146.2	968.9	597.7	350.7	248.3	214.3	207.8	209.6	208.2	201.3	200.9
62.5°	1170.2	978.2	582.6	335.1	239.6	210.1	204.4	207.4	206.5	199.6	199.2
65°	1172.0	966.8	557.2	317.2	230.4	204.8	201.3	203.8	203.8	197.7	197.4
66°	1165.5	955.4	544.6	310.3	226.6	202.6	199.6	202.6	203.0	197.4	196.5
67.5°	1145.0	931.9	522.9	298.0	220.4	199.2	196.5	200.0	200.4	195.7	194.4
70°	1087.8	874.4	483.2	277.9	210.5	192.1	190.8	194.4	195.2	191.2	189.9
72.5°	1000.4	799.0	436.5	256.1	199.2	184.3	183.9	187.3	188.3	184.7	183.4
75°	889.6	700.0	385.2	234.8	186.8	175.6	175.1	177.8	179.0	176.4	174.4
77.5°	763.3	598.6	334.6	213.1	174.7	165.6	165.6	167.8	168.2	165.6	163.4
80°	633.9	498.4	288.9	191.2	162.1	154.1	154.1	155.0	155.5	152.9	150.2
82.5°	512.4	406.6	244.9	170.4	147.7	141.7	141.2	141.2	140.8	138.6	135.6
85°	405.1	326.4	204.8	150.7	133.8	128.9	127.6	126.3	125.5	122.9	120.3
87.5°	316.7	259.7	172.6	132.4	119.8	115.9	114.2	112.4	110.2	107.2	103.7
90°	246.1	205.6	143.8	115.4	105.9	102.3	99.8	97.1	94.5	91.1	89.3
92.5°	190.8	162.6	120.3	99.4	92.9	90.2	87.6	84.1	80.6	77.2	75.4
95°	148.6	129.4	99.8	85.8	81.0	78.8	76.3	72.4	67.9	64.5	63.2
97.5°	115.9	102.9	83.3	74.1	71.1	68.5	65.8	61.9	57.1	53.2	52.3
100°	90.2	81.9	69.7	64.0	61.4	59.6	57.1	53.2	47.5	43.6	43.1
102.5°	71.4	65.8	58.4	55.3	53.5	51.8	49.2	45.4	39.6	35.4	35.4
105°	56.7	53.2	49.2	47.5	46.3	44.8	42.3	38.4	32.2	28.7	28.7
107.5°	45.8	43.1	41.4	40.6	40.1	38.7	36.7	32.2	26.6	23.5	23.5



REPORT NUMBER: P266073

CATALOG NUMBER: LXF.LXT-AF24-40-D-U-T3-FL-7027

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	37.0	35.8	34.9	34.9	34.5	34.0	31.4	26.9	21.7	19.1	19.7
112.5°	30.5	29.6	29.6	30.1	30.1	29.1	26.6	22.6	17.8	16.1	16.1
115°	25.2	24.9	25.2	25.7	26.1	25.2	22.6	18.8	14.4	13.6	13.6
117.5°	21.4	21.4	21.7	22.2	22.2	21.4	19.1	15.7	11.8	11.3	11.3
120°	18.2	18.2	18.2	18.8	19.1	18.2	16.1	12.7	9.6	9.6	9.6
122.5°	15.7	15.7	15.7	16.1	16.1	15.7	13.6	10.5	8.3	8.3	8.3
125°	13.6	13.6	13.6	14.0	14.0	13.0	10.9	8.8	6.9	6.9	6.9
127.5°	11.8	11.8	11.8	11.8	11.8	10.9	9.2	6.9	5.7	6.1	6.1
130°	10.5	10.5	10.1	10.1	9.6	9.2	7.4	5.7	4.9	5.2	5.2
132.5°	8.8	9.2	8.8	8.3	7.8	6.9	5.7	4.3	4.0	4.3	4.3
135°	7.4	7.8	7.4	6.6	6.1	5.7	4.3	3.6	3.6	3.6	3.6
137.5°	6.6	6.6	6.1	5.2	4.9	4.0	3.1	2.6	2.6	3.1	3.1
140°	5.2	5.2	4.9	4.0	3.6	2.6	1.7	1.7	2.2	2.2	2.2
142.5°	4.0	4.0	3.6	2.6	1.7	1.3	0.9	0.9	1.3	1.7	1.7
145°	2.6	2.6	2.6	1.7	1.3	0.4	0.0	0.4	0.9	0.9	0.9
147.5°	2.2	2.2	1.7	1.3	0.4	0.0	0.0	0.0	0.4	0.4	0.4
150°	1.7	1.7	1.3	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.3	1.3	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.9	0.9	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)