

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: P414647

Luminaire Tested: **LXF.LXT-PA1-30-730-U-T4W-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414647
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-8)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-30-730-U-T4W-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3346 lumens
Efficiency: N/A
Efficacy: 107.9 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 (A_{in}): 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

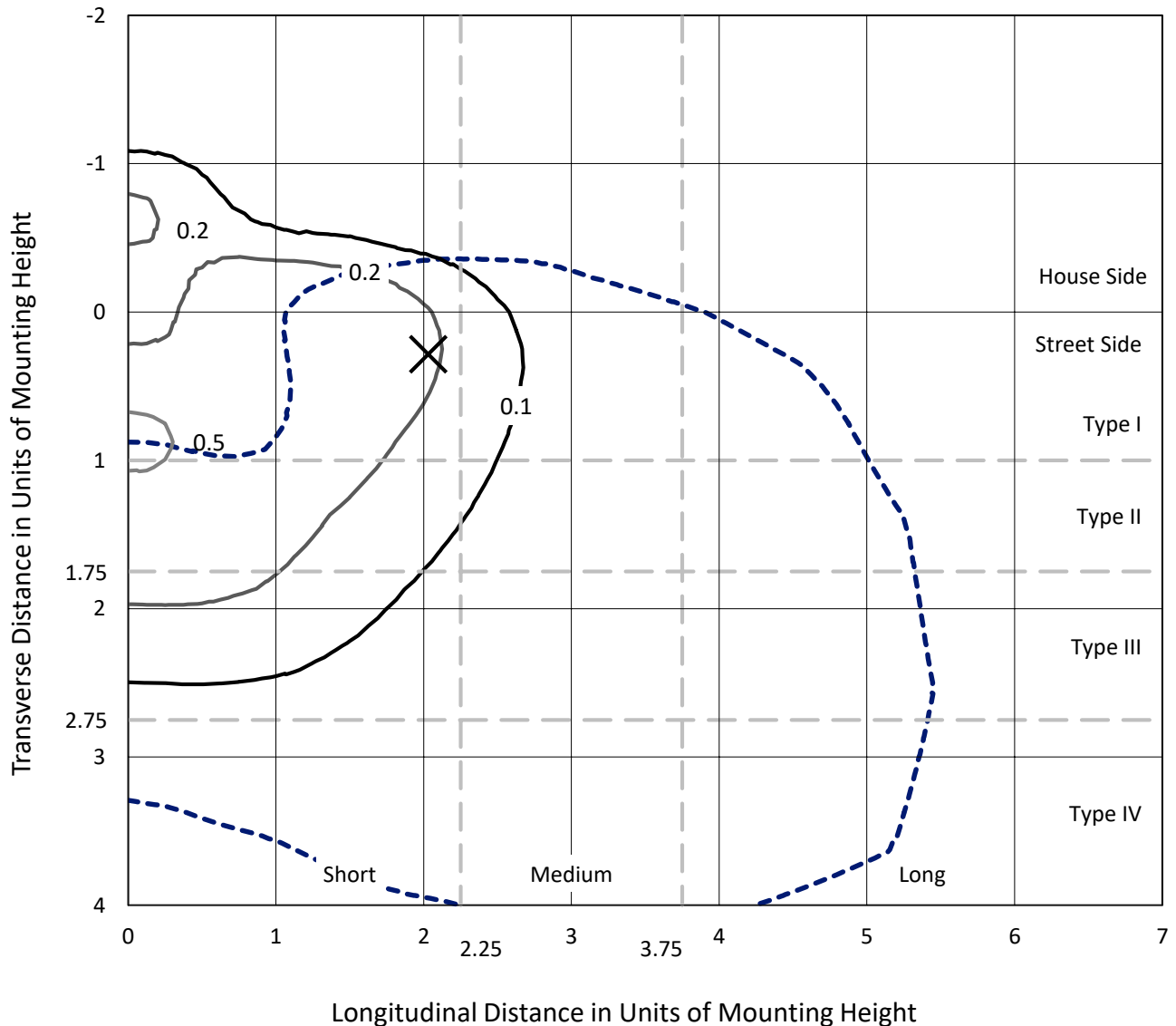


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

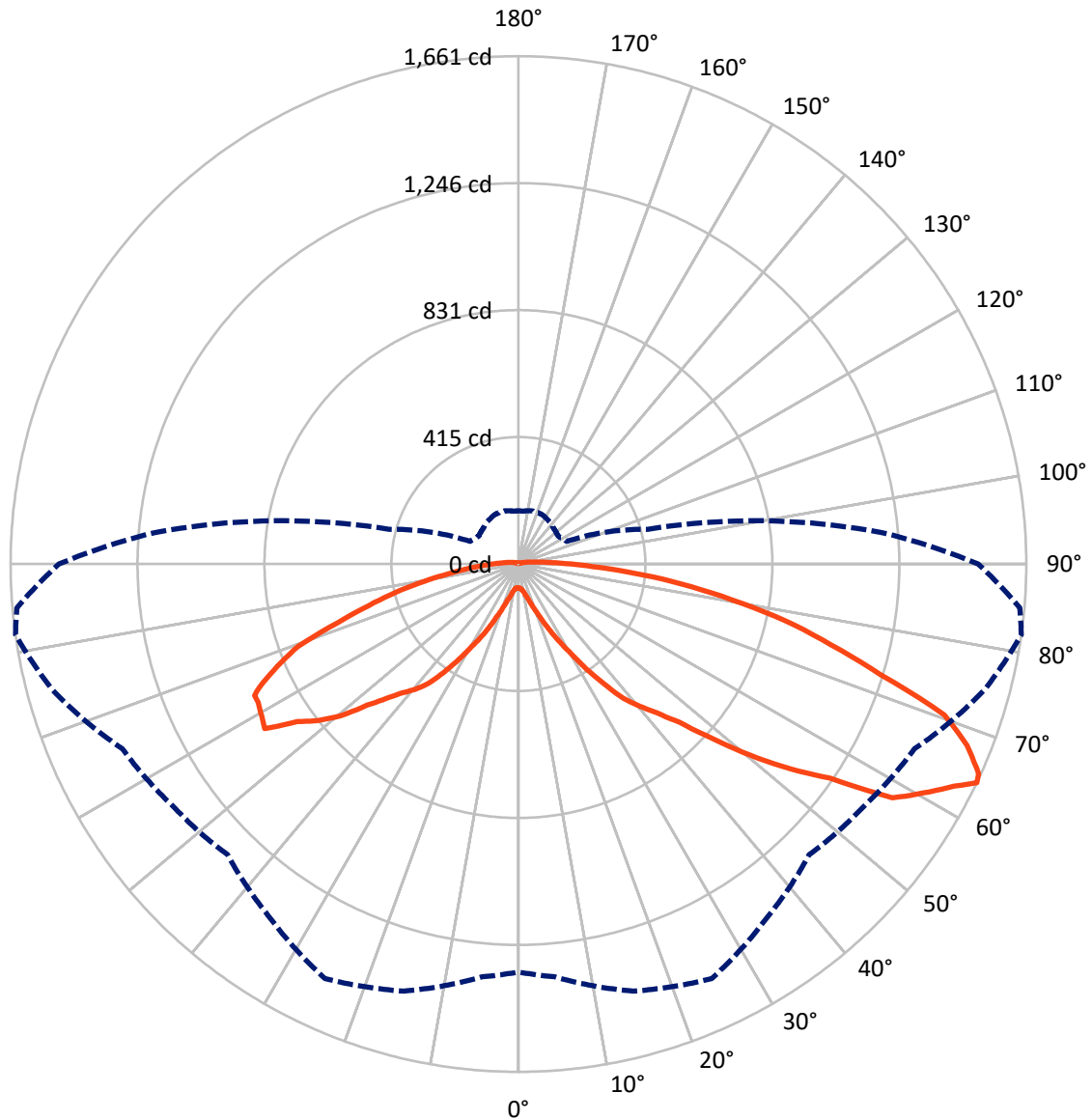


Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

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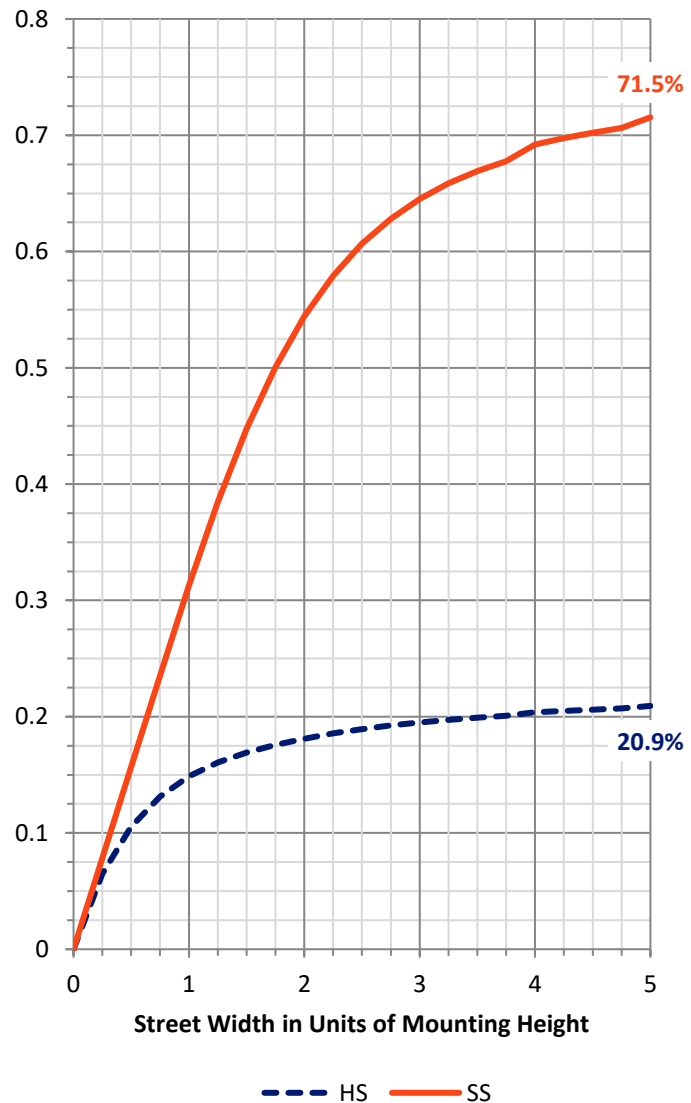
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	735.6	55.1	790.7
	% Fixture	22.0	1.6	23.6
Street Side	Lumens	2483.1	72.2	2555.3
	% Fixture	74.2	2.2	76.4
Total	Lumens	3218.7	127.3	3346.0
	% Fixture	96.2	3.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.1	0.2
10°-20°	34.4	1.0
20°-30°	99.2	3.0
30°-40°	227.7	6.8
40°-50°	399.9	12.0
50°-60°	642.4	19.2
60°-70°	862.3	25.8
70°-80°	659.3	19.7
80°-90°	285.5	8.5
90°-100°	80.2	2.4
100°-110°	24.4	0.7
110°-120°	10.7	0.3
120°-130°	6.1	0.2
130°-140°	3.7	0.1
140°-150°	1.6	0.0
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3218.7	96.2
0°-180°	3346.0	100.0



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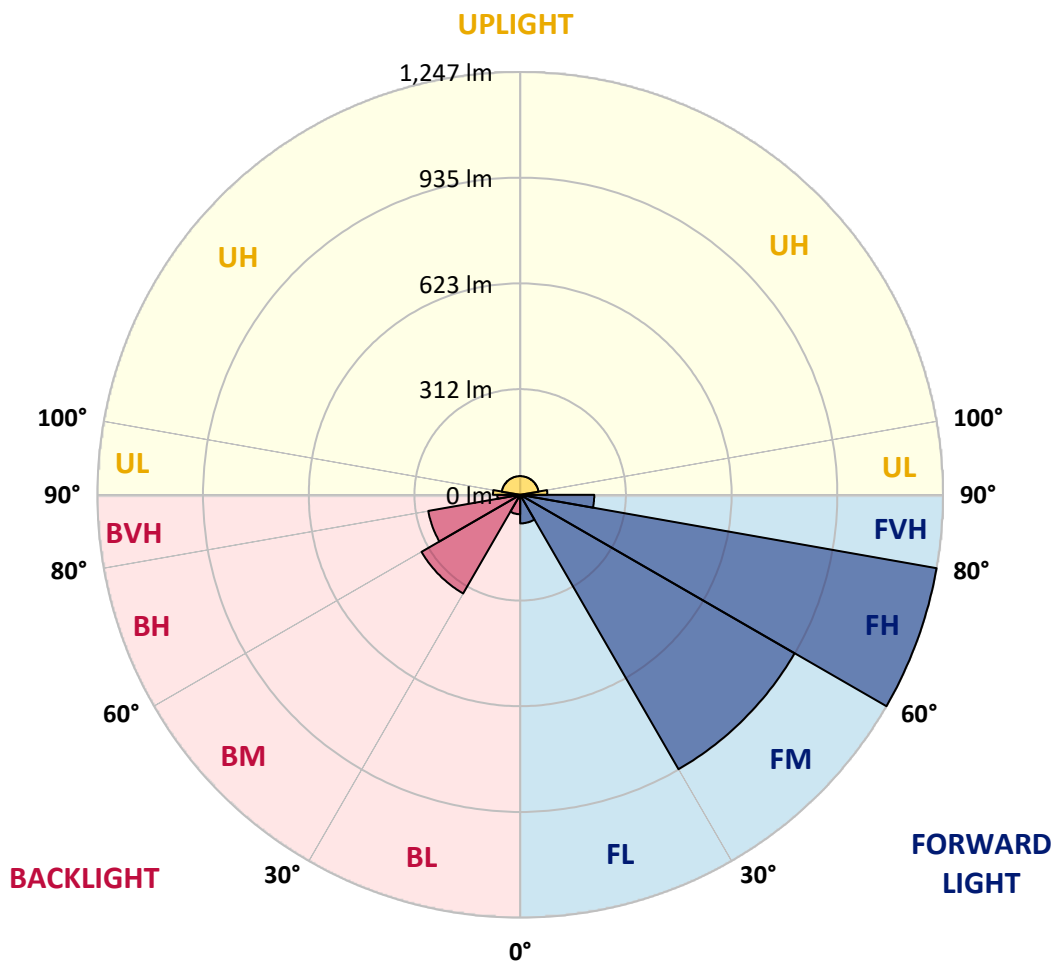
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	84.2	2.5			
FM	(30°-60°)	934.0	27.9			
FH	(60°-80°)	1246.6	37.3			G1/1800
FVH	(80°-90°)	218.3	6.5			G2/225
BL	(0°-30°)	57.4	1.7	B0/110		
BM	(30°-60°)	335.9	10.0	B1/1000		
BH	(60°-80°)	275.0	8.2	B1/500		G1/500
BVH	(80°-90°)	67.3	2.0			G1/100
UL	(90°-100°)	80.2	2.4		U3/500	
UH	(100°-180°)	55.1	1.6		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°	75°	82°	85°
0°	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
2.5°	84.0	83.6	83.6	84.0	84.0	83.2	81.6	80.5	79.3	78.9	78.6
5°	91.7	91.3	90.9	91.3	90.1	89.0	86.6	84.3	82.8	81.3	80.9
7.5°	102.1	101.7	101.3	100.5	99.0	96.7	93.2	90.1	87.4	85.5	84.7
10°	115.5	114.0	113.6	112.1	109.4	105.5	101.7	97.8	94.7	92.0	90.9
12.5°	134.0	134.0	130.9	127.5	122.8	117.1	112.1	109.0	105.9	104.4	102.1
15°	156.7	156.0	152.9	147.1	139.4	132.9	127.5	123.6	121.7	119.0	117.8
17.5°	181.8	180.2	177.5	168.7	159.4	152.5	146.3	142.5	141.3	139.0	138.6
20°	214.5	212.2	205.6	194.9	182.2	174.5	168.7	164.4	164.1	164.8	164.4
22.5°	253.4	251.9	243.8	224.1	209.9	198.7	191.0	191.8	196.8	199.1	196.0
25°	300.0	301.5	288.1	261.9	243.0	224.1	221.0	225.3	236.5	242.6	243.0
27.5°	355.1	354.7	337.0	308.1	278.8	257.6	252.6	265.0	280.7	289.6	289.6
30°	416.7	422.1	397.0	359.3	318.5	293.4	289.6	308.5	325.0	340.8	345.4
32.5°	498.7	497.6	465.2	419.8	365.5	330.0	327.0	350.8	388.2	410.1	410.1
35°	600.8	596.5	551.5	483.3	410.5	370.9	371.2	404.4	453.6	480.6	483.3
37.5°	688.6	692.0	646.6	563.8	468.7	417.5	422.1	466.7	526.0	557.6	568.4
40°	782.5	783.7	733.6	643.5	531.4	467.1	478.3	529.9	586.1	612.3	622.7
42.5°	865.3	872.3	822.2	723.6	595.0	528.0	533.4	578.4	634.3	665.5	680.1
45°	922.3	926.2	895.4	797.2	663.9	590.0	589.2	631.2	703.2	737.9	761.3
47.5°	999.7	1010.1	965.8	871.1	734.8	653.1	646.6	700.5	795.2	851.5	871.5
50°	1090.6	1106.4	1075.2	960.8	815.6	727.5	728.6	792.9	909.6	983.2	1004.0
52.5°	1181.1	1187.3	1166.5	1068.7	909.6	814.1	823.3	903.8	1037.8	1113.3	1126.0
55°	1229.6	1238.5	1244.6	1167.2	1022.4	916.9	933.1	1030.1	1147.2	1235.8	1264.7
57.5°	1275.8	1288.2	1304.3	1251.6	1134.5	1044.0	1059.8	1146.1	1317.0	1443.4	1465.3
60°	1354.0	1364.8	1396.0	1352.9	1237.3	1165.3	1181.9	1303.2	1434.1	1521.2	1523.5
62.5°	1352.9	1369.8	1445.3	1456.1	1347.5	1282.0	1322.4	1387.9	1491.5	1600.9	1598.6
64°	1334.4	1355.6	1446.4	1496.5	1414.5	1345.2	1380.2	1429.5	1580.5	1661.3	1646.7
65°	1321.3	1344.8	1443.0	1506.9	1451.1	1381.0	1407.2	1464.2	1606.3	1654.4	1634.4
67.5°	1249.3	1275.5	1405.6	1505.7	1488.8	1437.2	1445.7	1498.8	1563.5	1582.4	1546.6
70°	1120.3	1134.1	1282.0	1442.6	1451.4	1402.2	1425.3	1452.6	1488.0	1478.8	1431.8
72.5°	884.2	912.7	1062.1	1290.9	1341.3	1305.9	1314.7	1328.2	1292.4	1239.3	1183.4
75°	629.6	655.1	794.5	1018.2	1168.0	1153.8	1166.1	1144.5	1104.9	1056.3	1001.6
77.5°	437.9	445.9	561.1	768.3	933.5	977.0	1003.6	973.2	950.8	892.7	848.8
80°	283.4	296.9	369.3	556.5	739.8	828.7	871.5	851.8	799.9	707.0	657.0
82.5°	175.6	186.4	243.4	395.1	586.5	710.1	751.3	724.4	641.2	537.6	487.5
85°	100.5	102.8	142.5	257.2	428.6	564.2	619.2	576.1	479.5	379.3	335.4
87.5°	57.8	59.7	85.1	157.5	296.5	425.2	477.5	414.8	321.9	243.8	214.9
90°	37.0	39.3	55.1	102.8	191.0	303.8	342.4	284.6	215.7	154.4	135.9
92.5°	25.4	26.6	37.0	63.9	123.2	200.6	228.8	190.2	134.4	98.6	87.4
95°	18.5	19.3	26.2	43.5	79.3	125.9	141.3	120.5	88.2	65.5	58.5
97.5°	15.0	15.4	20.4	32.0	54.7	80.1	84.7	75.1	58.5	46.6	43.9
100°	12.7	13.1	16.9	24.6	38.9	52.4	53.5	50.4	41.2	34.7	33.1
102.5°	11.6	11.6	14.2	20.0	29.3	37.4	37.4	34.7	28.5	25.4	25.4
105°	10.4	10.4	12.3	16.6	23.1	28.9	28.5	25.4	21.6	19.3	19.6
107.5°	9.2	9.2	10.8	13.5	18.9	22.7	22.0	18.9	16.6	15.0	15.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
110°	8.5	8.5	9.6	11.6	15.8	18.9	17.7	14.6	12.3	12.3	12.7
112.5°	7.7	7.7	8.5	10.4	13.5	15.4	14.2	11.6	10.0	10.0	10.4
115°	6.9	6.9	7.7	9.2	11.9	13.1	11.9	9.2	8.1	8.5	9.2
117.5°	6.5	6.5	7.3	8.5	10.4	11.2	10.0	7.7	6.9	7.7	8.1
120°	6.2	6.2	6.9	8.1	9.6	10.0	8.5	6.9	6.2	6.9	7.3
122.5°	6.2	6.2	6.5	7.7	8.9	8.9	7.7	6.2	5.4	6.2	6.5
125°	6.2	6.2	6.5	7.3	8.1	8.1	6.9	5.4	5.0	5.8	5.8
127.5°	6.5	6.5	6.9	7.3	7.7	7.3	6.2	5.0	4.6	5.4	5.4
130°	6.5	6.5	6.5	6.9	6.9	6.5	5.4	4.6	4.6	5.0	5.4
132.5°	6.5	6.5	6.5	6.5	6.5	5.8	5.0	4.2	4.6	5.0	5.4
135°	6.2	6.2	6.2	6.2	5.8	5.0	4.2	3.5	4.2	4.6	4.6
137.5°	5.4	5.8	5.4	5.4	5.4	4.6	3.5	3.1	3.5	4.2	4.2
140°	5.0	5.0	5.0	5.0	4.6	3.9	3.1	2.3	2.7	3.5	3.5
142.5°	4.6	4.6	4.6	4.2	4.2	3.5	2.3	1.9	2.3	2.7	2.7
145°	3.9	3.9	3.9	3.9	3.5	2.7	1.9	1.5	1.9	2.3	2.3
147.5°	3.1	3.1	3.1	3.1	2.7	2.3	1.5	1.5	1.9	1.9	1.9
150°	2.3	2.7	2.7	2.7	2.3	1.9	1.2	1.2	1.5	1.9	1.9
152.5°	1.9	1.9	1.9	2.3	1.9	1.2	0.8	1.2	1.5	1.5	1.5
155°	1.2	1.5	1.5	1.5	1.5	1.2	0.8	1.2	1.2	1.5	1.5
157.5°	0.8	0.8	1.2	1.2	1.2	1.2	0.8	0.8	1.2	1.2	1.2
160°	0.4	0.4	0.8	1.2	1.2	1.2	0.8	0.8	1.2	1.2	1.2
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°	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
2.5°	78.2	77.8	77.0	76.3	75.9	75.9	75.1	74.7	73.6	73.6	73.2
5°	79.7	78.9	77.4	75.9	74.7	74.3	73.6	72.4	71.6	71.2	71.2
7.5°	83.2	82.0	78.9	77.0	75.5	74.3	73.6	72.4	71.6	71.2	71.2
10°	89.0	87.0	83.6	80.1	77.8	76.3	75.5	75.1	74.7	74.3	74.3
12.5°	100.1	97.4	91.7	87.4	82.8	80.5	79.7	80.5	82.4	83.2	83.6
15°	115.5	112.1	105.1	97.4	90.5	86.6	88.2	92.0	95.5	97.0	96.7
17.5°	134.8	129.4	120.9	110.5	100.9	99.0	100.5	104.7	109.8	112.1	111.7
20°	159.4	155.2	142.5	125.5	114.8	111.7	112.8	118.2	125.5	127.9	128.6
22.5°	193.3	187.2	167.5	144.0	129.8	124.0	125.2	132.1	142.1	147.5	148.6
25°	237.2	230.7	201.8	166.0	143.6	134.8	139.4	148.6	164.8	173.3	172.5
27.5°	288.1	276.9	239.1	192.9	159.8	146.0	152.9	167.9	184.8	195.6	194.9
30°	335.0	325.4	275.0	217.6	173.7	156.7	164.1	183.3	202.9	216.0	216.8
32.5°	405.5	387.8	316.9	238.8	184.8	165.6	172.5	196.0	218.7	234.5	234.1
35°	478.3	458.3	363.2	263.4	194.5	171.4	178.7	205.3	230.3	249.2	249.5
37.5°	554.9	526.8	404.4	279.6	202.2	174.8	182.2	211.8	243.8	265.3	266.1
40°	606.5	574.6	429.4	288.1	204.5	177.1	185.2	216.4	246.1	261.9	263.4
42.5°	664.3	619.2	442.5	281.1	201.8	176.8	186.0	213.0	236.1	247.2	248.4
45°	744.0	683.6	456.7	270.3	194.5	175.6	182.9	203.7	218.7	223.0	223.0
47.5°	847.6	761.7	480.6	258.8	186.8	172.1	177.5	191.0	196.8	196.0	194.1
50°	972.0	872.6	509.5	248.8	179.5	167.9	171.4	179.1	181.0	178.7	177.5
52.5°	1096.0	962.0	529.5	239.9	174.8	164.1	166.4	172.1	172.1	165.2	164.1
55°	1209.6	1042.9	524.1	223.0	171.4	162.1	164.4	168.7	165.2	157.1	155.6
57.5°	1393.3	1182.6	538.0	206.4	166.4	161.7	164.8	167.5	162.5	154.8	153.3
60°	1426.0	1176.9	505.3	196.0	162.9	162.9	166.4	169.4	166.0	159.0	158.7
62.5°	1471.5	1182.3	455.6	181.0	160.6	163.7	169.8	174.5	174.1	169.1	168.3
64°	1503.4	1190.0	437.9	174.1	158.7	163.7	172.5	179.5	179.5	173.7	173.7
65°	1471.9	1160.7	424.8	170.6	156.7	163.7	174.1	182.5	181.8	177.1	176.4
67.5°	1376.4	1065.6	369.3	162.9	152.5	163.7	178.3	187.5	188.7	184.8	183.3
70°	1259.7	961.6	321.2	154.0	148.3	161.7	178.3	190.6	192.6	188.3	187.2
72.5°	1026.7	773.3	265.0	144.4	142.1	157.1	176.0	189.1	191.0	186.0	184.5
75°	860.7	631.6	219.5	135.2	135.6	151.3	170.2	182.2	182.2	176.8	174.5
77.5°	709.0	509.9	181.8	126.3	127.9	144.0	159.8	167.5	165.2	160.2	157.1
80°	531.1	385.1	149.8	116.7	118.2	132.1	145.2	150.6	148.3	142.1	141.3
82.5°	388.6	276.9	127.9	106.7	107.8	119.0	128.6	133.2	135.2	130.2	128.6
85°	255.3	195.2	109.8	96.7	97.4	105.9	112.1	115.9	120.2	118.6	117.8
87.5°	166.7	135.2	92.8	85.1	85.9	92.8	97.0	100.9	109.4	110.5	109.0
90°	112.1	94.7	76.6	73.6	74.7	80.5	82.8	86.6	95.9	97.4	97.4
92.5°	75.1	67.8	62.0	62.0	63.9	68.9	69.3	70.5	78.2	80.1	79.3
95°	52.8	50.4	50.1	50.8	53.1	57.0	55.1	54.3	59.3	59.7	58.9
97.5°	40.4	39.7	40.4	41.6	42.7	46.6	44.7	42.7	45.1	44.3	45.1
100°	32.3	32.0	33.1	33.1	34.3	37.7	36.2	35.0	35.4	33.9	33.9
102.5°	25.8	25.8	27.0	27.3	28.1	30.8	30.4	29.3	28.5	27.0	27.3
105°	20.0	20.4	22.0	22.3	23.5	25.8	25.4	23.9	23.1	21.2	21.6
107.5°	16.2	16.9	18.1	18.5	19.6	21.6	20.8	19.3	18.1	17.3	17.3



REPORT NUMBER: P414647

CATALOG NUMBER: LXF.LXT-PA1-30-730-U-T4W-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	13.5	13.9	15.0	15.4	16.6	18.1	17.7	15.8	14.2	13.9	14.2
112.5°	11.2	11.9	12.7	13.1	14.2	15.4	14.2	12.7	11.6	11.9	11.9
115°	9.6	10.0	10.8	11.2	11.9	13.1	11.9	10.4	9.6	10.0	10.4
117.5°	8.9	9.2	9.6	9.6	10.4	11.2	10.0	8.9	8.5	8.9	9.2
120°	7.7	8.1	8.5	8.9	9.2	9.6	8.9	7.7	7.3	8.1	8.1
122.5°	6.9	7.3	7.3	7.7	8.1	8.5	7.7	6.9	6.5	6.9	7.3
125°	6.2	6.5	6.9	6.9	7.3	7.3	6.9	6.2	6.2	6.5	6.5
127.5°	5.8	6.2	6.2	6.5	6.5	6.5	6.2	5.4	5.8	6.2	6.2
130°	5.8	5.8	5.8	5.8	5.8	5.8	5.4	5.0	5.4	5.8	5.8
132.5°	5.4	5.4	5.4	5.4	5.4	5.0	4.6	4.6	5.0	5.4	5.4
135°	5.0	5.0	4.6	4.6	4.6	4.6	4.2	4.2	4.2	4.6	4.6
137.5°	4.2	4.2	3.9	3.9	3.9	3.9	3.5	3.5	3.9	4.2	4.2
140°	3.5	3.5	3.1	3.1	3.1	3.1	3.1	3.1	3.5	3.5	3.9
142.5°	2.7	2.7	2.7	2.3	2.3	2.7	2.7	2.7	3.1	3.1	3.1
145°	2.3	2.3	2.3	1.9	1.9	2.3	2.3	2.3	2.7	2.7	2.7
147.5°	1.9	1.9	1.9	1.5	1.2	1.9	1.9	1.9	2.3	1.9	1.9
150°	1.9	1.9	1.5	1.2	1.2	1.2	1.5	1.5	1.5	1.5	1.5
152.5°	1.5	1.5	1.5	1.2	0.8	0.8	1.2	1.5	1.2	1.2	1.2
155°	1.5	1.5	1.2	1.2	0.8	0.4	0.8	1.2	0.8	0.8	0.8
157.5°	1.2	1.2	1.2	0.8	0.4	0.4	0.8	0.8	0.4	0.4	0.4
160°	1.2	1.2	0.8	0.8	0.4	0.4	0.8	0.8	0.4	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)