

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: P415013

Luminaire Tested: **LXF.LXT-PA1-40-727-U-T4W-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415013
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-18)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-40-727-U-T4W-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 500mA 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: 3858 lumens
Efficiency: N/A
Efficacy: 96.4 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 - 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

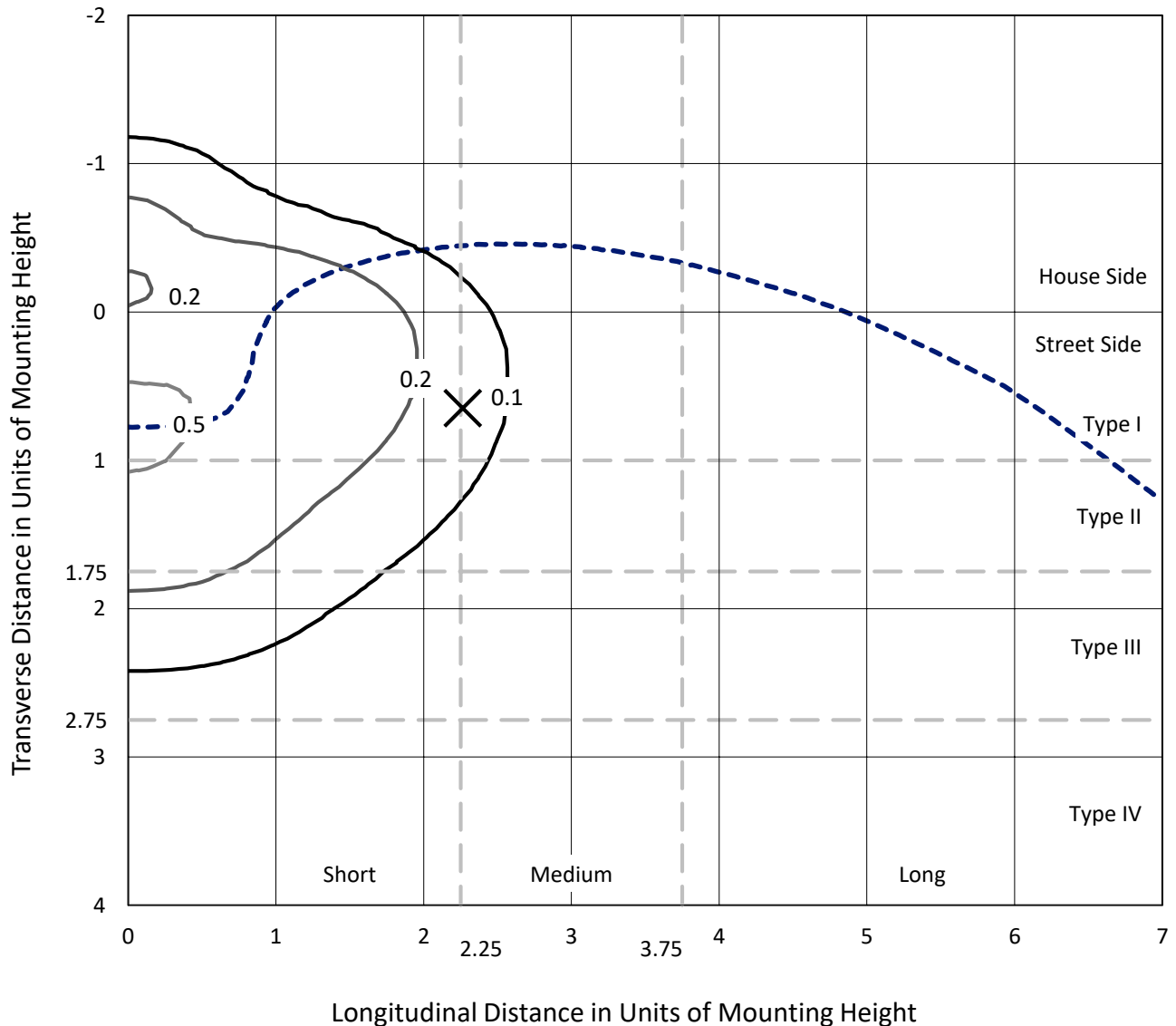


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

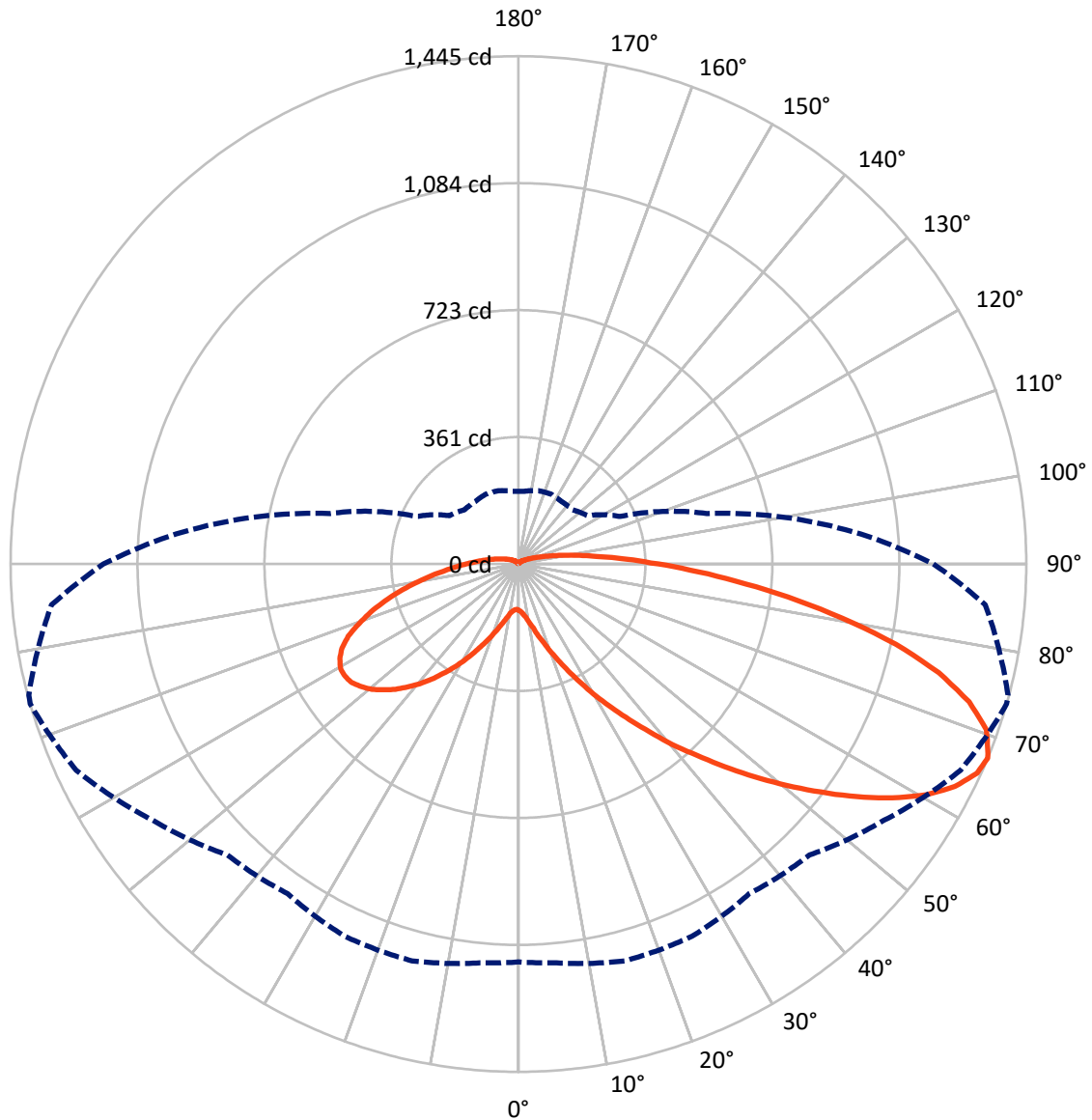


Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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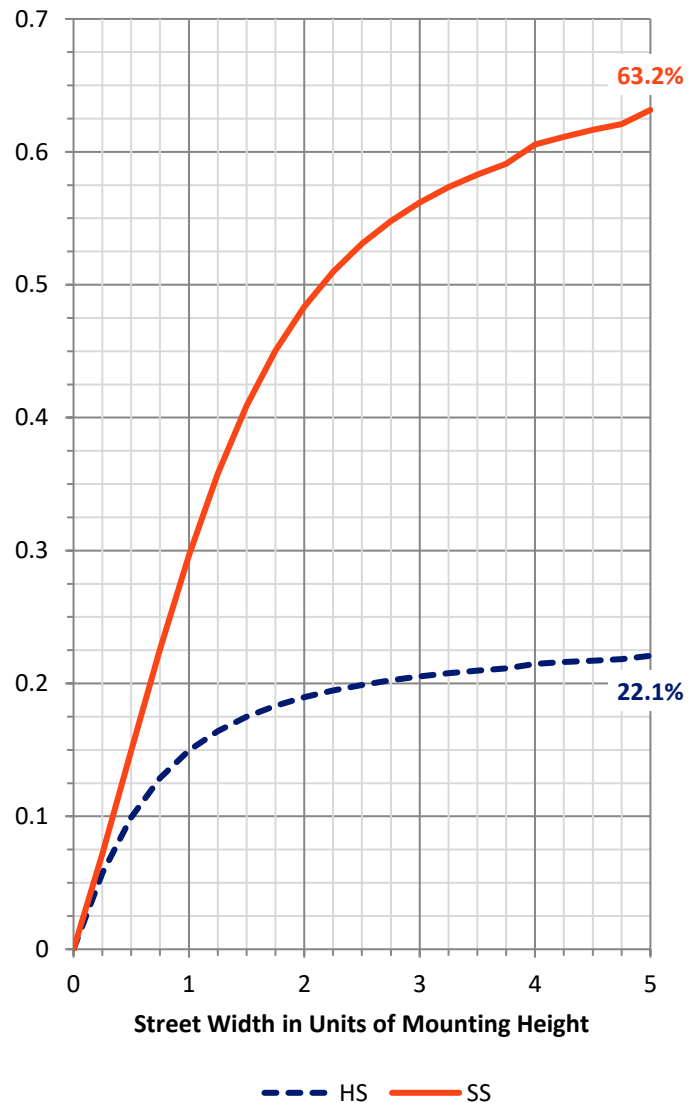
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	899.6	108.1	1007.8
	% Fixture	23.3	2.8	26.1
Street Side	Lumens	2603.5	246.7	2850.2
	% Fixture	67.5	6.4	73.9
Total	Lumens	3503.2	354.8	3858.0
	% Fixture	90.8	9.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.7	0.4
10°-20°	56.2	1.5
20°-30°	139.6	3.6
30°-40°	272.6	7.1
40°-50°	450.9	11.7
50°-60°	653.5	16.9
60°-70°	791.0	20.5
70°-80°	703.2	18.2
80°-90°	422.4	10.9
90°-100°	193.9	5.0
100°-110°	86.3	2.2
110°-120°	41.2	1.1
120°-130°	20.4	0.5
130°-140°	9.3	0.2
140°-150°	3.1	0.1
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3503.2	90.8
0°-180°	3858.0	100.0

Coefficient of Utilization



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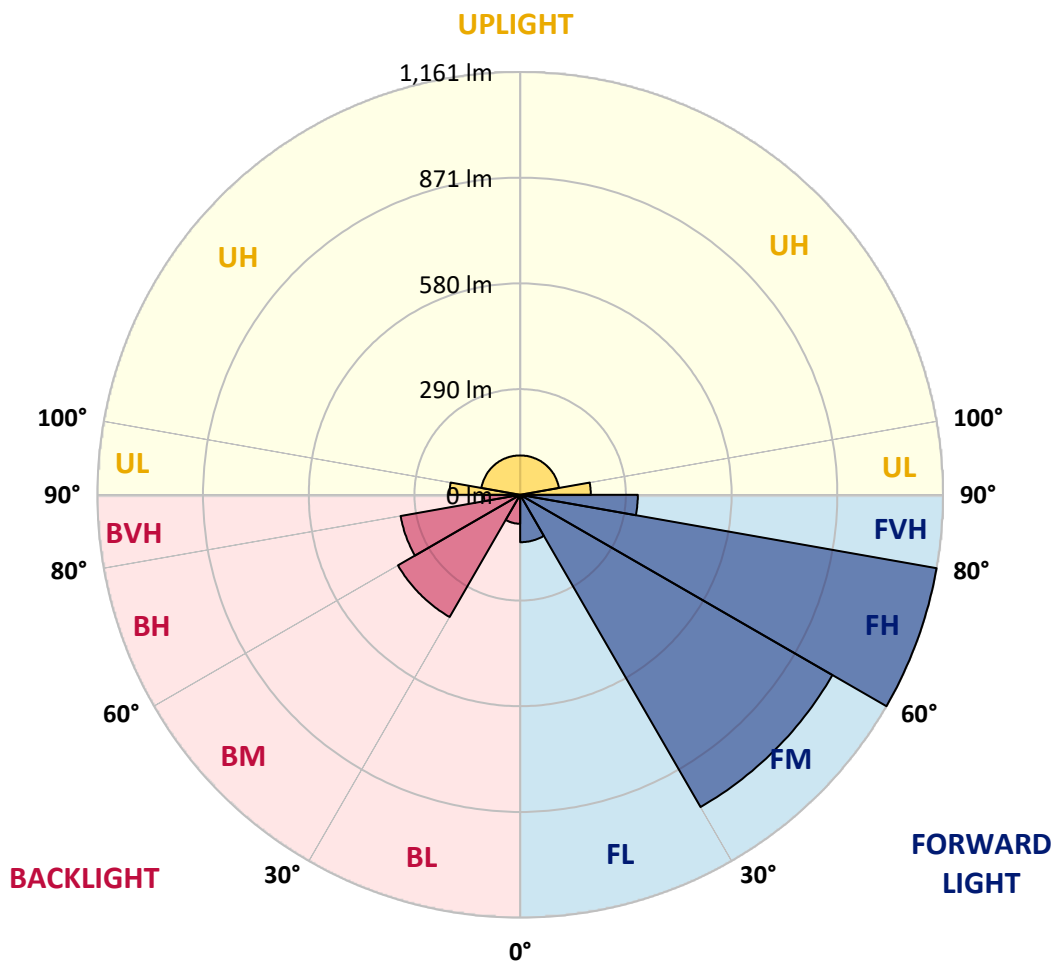
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	130.1	3.4			
FM	(30°-60°)	989.8	25.7			
FH	(60°-80°)	1160.8	30.1			G1/1800
FVH	(80°-90°)	322.9	8.4			G3/500
BL	(0°-30°)	79.5	2.1	B0/110		
BM	(30°-60°)	387.2	10.0	B1/1000		
BH	(60°-80°)	333.4	8.6	B1/500		G1/500
BVH	(80°-90°)	99.5	2.6			G1/100
UL	(90°-100°)	193.9	5.0		U3/500	
UH	(100°-180°)	108.1	2.8		U3/500	

BUG Rating: B1-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	131.4	131.4	131.4	131.4	131.4	131.4	131.4	131.4	131.4	131.4	131.4
2.5°	145.1	143.8	143.8	142.8	142.4	141.0	140.1	136.9	135.5	135.5	133.2
5°	160.7	159.8	158.0	158.0	156.1	154.3	150.6	146.5	143.3	142.8	138.7
7.5°	179.9	177.6	177.6	175.4	172.6	169.4	164.4	158.9	153.8	153.4	147.0
10°	201.9	201.0	200.1	196.9	193.2	186.8	182.2	174.4	168.5	168.0	159.3
12.5°	228.9	227.5	224.8	221.6	215.2	210.6	202.4	193.7	185.9	186.3	176.3
15°	258.2	257.3	255.5	250.4	243.1	236.7	228.5	219.3	211.5	208.3	197.8
17.5°	291.6	289.8	287.5	282.0	273.8	267.4	256.4	247.7	237.6	238.1	223.0
20°	331.0	329.2	326.0	317.3	310.0	301.3	289.8	280.2	268.8	267.8	252.7
22.5°	369.9	370.8	363.1	353.9	347.0	337.0	326.0	313.6	303.5	302.6	285.2
25°	418.0	414.8	407.0	396.5	386.0	373.6	364.0	353.0	343.4	342.5	321.9
27.5°	468.4	465.6	455.1	441.8	427.6	413.9	405.6	394.2	386.9	385.5	364.4
30°	523.3	518.7	509.1	491.3	471.6	456.0	447.8	443.6	436.8	434.9	413.4
32.5°	585.1	579.2	565.0	543.5	515.1	497.7	494.0	490.3	487.6	484.8	464.7
35°	646.5	644.6	623.6	597.0	569.1	546.2	539.8	545.7	543.9	542.1	520.6
37.5°	711.0	714.2	691.3	656.5	618.1	593.8	589.2	600.2	605.3	605.3	579.6
40°	787.0	784.3	761.4	718.8	673.9	645.5	646.9	663.4	675.8	673.0	647.8
42.5°	862.6	856.6	826.4	784.7	728.0	699.6	699.6	724.8	743.5	744.0	717.4
45°	936.7	930.3	901.9	847.5	785.6	755.0	761.4	792.1	822.7	818.6	792.5
47.5°	1004.5	1001.7	972.4	914.3	844.7	812.7	825.5	871.3	904.7	904.7	875.8
50°	1070.9	1067.2	1039.7	974.3	904.2	872.6	891.9	947.7	990.3	992.6	959.2
52.5°	1128.1	1125.8	1100.2	1035.2	962.8	930.8	959.6	1029.7	1078.7	1083.7	1048.4
55°	1169.3	1170.7	1151.0	1089.2	1015.9	989.4	1028.8	1111.2	1169.3	1170.2	1132.2
57.5°	1199.5	1201.4	1188.1	1134.5	1062.6	1042.5	1095.6	1189.9	1255.8	1260.0	1210.1
60°	1212.4	1215.6	1211.4	1166.6	1104.3	1091.5	1155.6	1260.4	1333.7	1335.1	1275.1
62.5°	1205.5	1208.7	1216.9	1184.9	1134.5	1134.1	1213.7	1321.8	1394.6	1396.4	1324.5
65°	1174.4	1179.4	1200.0	1184.9	1145.5	1160.6	1252.2	1368.9	1434.4	1436.7	1343.8
67°	1132.7	1139.1	1169.3	1168.9	1145.5	1171.1	1271.0	1388.6	1445.4	1442.6	1333.7
67.5°	1123.1	1129.5	1159.7	1164.3	1142.3	1172.5	1273.2	1390.9	1441.3	1440.8	1327.3
70°	1041.6	1053.0	1097.0	1119.0	1118.5	1161.5	1272.3	1378.5	1413.3	1408.8	1273.7
72.5°	947.7	961.9	1015.5	1057.6	1071.3	1127.2	1238.9	1329.6	1341.0	1335.5	1173.4
75°	851.1	858.9	914.8	974.7	1009.5	1069.0	1176.2	1251.7	1235.7	1222.4	1048.0
77.5°	749.0	752.2	814.5	881.8	923.9	992.6	1082.8	1137.7	1098.4	1087.4	905.1
80°	630.4	643.7	706.0	776.0	828.2	890.5	966.5	999.5	933.5	923.5	753.1
82.5°	533.4	541.6	598.4	667.1	725.7	784.3	833.7	842.4	773.3	766.0	605.3
85°	435.4	442.7	502.2	565.9	620.8	669.8	702.8	690.0	618.1	610.3	478.4
87.5°	360.3	365.8	407.0	471.6	520.1	555.4	572.8	556.7	488.1	477.1	369.5
90°	285.7	293.9	331.0	385.5	434.9	457.8	459.7	433.1	376.8	368.6	282.9
92.5°	230.7	236.2	271.5	316.8	355.7	373.1	368.6	346.1	294.4	284.8	218.8
95°	186.8	191.4	220.7	260.5	292.1	308.1	295.3	265.5	224.8	221.1	168.9
97.5°	155.2	156.1	179.0	214.7	239.9	248.1	238.1	211.1	175.8	168.5	129.6
100°	126.8	127.7	147.0	174.0	196.9	202.4	192.3	166.2	136.4	131.9	101.6
102.5°	103.0	105.3	120.0	144.2	161.2	165.3	154.7	131.9	105.3	102.1	79.2
105°	87.4	87.9	100.7	119.0	134.1	137.4	126.8	107.1	82.9	81.0	63.2
107.5°	74.2	74.2	84.2	100.3	112.2	114.0	105.8	87.4	65.5	63.6	51.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	63.6	64.1	71.4	84.2	95.2	96.6	88.4	70.0	52.2	50.8	41.7
112.5°	55.4	56.3	61.4	71.4	81.0	82.4	74.2	57.2	42.6	40.7	34.8
115°	49.0	49.4	53.1	61.4	69.1	70.0	61.8	47.2	34.3	33.0	29.3
117.5°	43.5	44.0	46.7	53.6	59.5	60.0	51.7	38.9	28.8	27.5	25.6
120°	39.4	39.4	41.7	46.2	51.3	51.3	43.5	32.0	23.8	23.3	22.0
122.5°	35.7	35.7	37.1	40.3	44.0	43.0	36.2	26.6	20.1	19.7	19.2
125°	32.5	32.5	33.4	35.3	37.5	36.2	29.8	22.0	17.4	16.9	16.9
127.5°	29.3	29.3	29.8	31.1	31.6	30.2	24.7	18.3	15.1	14.7	15.1
130°	26.6	26.6	26.6	26.6	26.6	25.6	20.1	15.1	12.8	12.8	13.3
132.5°	23.8	23.8	23.3	22.9	22.4	20.6	16.5	12.4	11.4	11.4	11.9
135°	21.1	21.1	20.6	19.7	18.3	16.0	12.4	10.1	9.6	9.6	10.1
137.5°	18.3	18.3	17.9	16.5	14.7	12.4	9.6	8.2	8.2	8.2	8.7
140°	15.6	15.6	15.1	13.7	11.4	9.2	7.3	6.4	6.9	6.9	7.3
142.5°	13.3	12.8	12.4	11.0	8.7	6.4	5.0	5.0	5.5	5.5	6.0
145°	10.5	10.1	9.6	8.2	6.4	4.6	3.7	3.7	4.1	4.1	4.6
147.5°	8.2	7.8	7.3	6.0	4.6	3.2	2.3	2.7	3.2	3.2	3.2
150°	5.5	5.5	5.5	4.6	2.7	1.8	1.4	1.8	1.8	1.8	2.3
152.5°	3.7	3.7	3.7	2.7	1.8	0.9	0.9	0.9	1.4	1.4	1.4
155°	2.3	2.3	2.3	1.8	0.9	0.5	0.5	0.5	0.9	0.9	0.9
157.5°	0.9	0.9	0.9	0.9	0.9	0.5	0.0	0.5	0.5	0.5	0.5
160°	0.5	0.5	0.9	0.9	0.9	0.5	0.0	0.0	0.5	0.5	0.5
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°	131.4	131.4	131.4	131.4	131.4	131.4	131.4	131.4	131.4	131.4	131.4
2.5°	132.3	131.4	129.6	128.2	126.8	125.4	124.1	123.2	121.8	121.8	121.8
5°	136.9	134.6	130.9	128.2	125.0	122.7	120.0	118.1	116.7	116.3	116.3
7.5°	144.7	141.5	136.0	130.5	125.9	122.2	119.0	116.7	114.9	114.5	114.5
10°	155.7	151.5	142.8	136.4	130.5	125.4	121.3	118.1	116.7	115.8	115.8
12.5°	171.7	166.2	156.1	145.1	137.4	130.9	125.9	124.5	124.5	125.0	124.5
15°	190.9	185.4	171.7	158.9	147.4	140.1	137.4	137.4	136.9	137.8	137.8
17.5°	215.2	207.4	190.9	174.0	160.7	153.8	151.1	150.2	151.1	152.5	151.5
20°	244.0	232.6	212.0	190.9	176.7	169.9	165.3	164.4	165.7	166.7	167.1
22.5°	274.2	261.9	235.8	208.8	194.1	185.0	179.9	178.6	180.8	183.1	183.6
25°	308.6	294.8	261.4	230.3	209.7	197.3	192.7	192.3	196.0	199.2	199.2
27.5°	350.2	331.9	289.4	253.6	227.1	210.6	205.6	206.0	211.1	213.8	214.7
30°	393.7	373.1	321.4	275.2	240.8	221.1	215.6	217.9	223.0	228.5	229.4
32.5°	442.7	418.5	352.5	296.7	253.2	229.4	223.4	228.0	233.5	239.9	240.8
35°	494.0	461.5	384.6	316.4	263.3	235.8	228.9	234.4	241.3	247.2	249.1
37.5°	552.2	513.7	419.4	332.4	271.0	239.4	232.1	238.5	246.3	252.3	252.7
40°	611.7	567.3	452.3	347.5	276.5	241.7	234.0	240.4	247.7	252.7	253.2
42.5°	673.9	621.7	483.0	359.9	279.3	241.7	233.0	239.4	246.3	249.1	249.5
45°	746.7	679.4	514.6	368.6	280.2	240.8	231.7	236.7	241.7	242.7	244.0
47.5°	820.0	736.7	541.6	375.0	279.7	238.5	229.4	233.5	236.7	235.8	237.2
50°	897.4	798.9	567.7	379.1	277.4	236.2	226.2	229.8	230.7	228.0	228.0
52.5°	971.5	852.9	587.9	379.5	274.2	233.5	223.9	226.6	226.2	221.1	221.6
55°	1045.7	910.6	604.8	375.4	269.7	230.7	221.6	223.4	222.1	216.1	215.2
57.5°	1109.3	957.3	612.1	369.5	264.6	228.0	220.2	222.1	219.3	212.4	212.0
60°	1163.4	993.5	612.6	361.2	258.7	225.7	218.8	221.1	218.8	210.6	209.7
62.5°	1196.8	1010.0	600.7	348.4	252.7	223.0	218.8	220.7	217.9	209.7	209.2
65°	1202.3	1001.7	581.5	333.8	245.9	220.2	217.9	220.2	217.5	208.8	207.9
67°	1180.8	977.9	555.4	320.0	239.9	217.9	216.1	219.3	216.1	207.9	206.5
67.5°	1173.4	967.0	549.4	318.2	238.5	217.0	215.6	218.4	215.6	207.4	206.0
70°	1109.3	907.0	504.5	298.1	229.8	212.4	212.4	214.7	212.0	204.2	201.9
72.5°	1010.4	822.7	459.7	278.8	220.2	205.6	206.9	209.2	206.5	199.2	196.4
75°	896.0	728.0	409.8	256.4	209.2	198.7	199.6	201.9	199.2	191.4	189.1
77.5°	768.7	618.5	359.4	235.8	197.8	189.5	190.0	191.4	189.1	181.3	179.0
80°	632.3	510.0	308.1	212.4	184.5	178.1	178.6	178.6	175.4	168.9	167.1
82.5°	509.6	414.3	262.8	191.8	169.9	165.3	165.3	164.8	160.7	155.2	152.5
85°	396.5	334.2	220.2	170.8	155.2	151.1	150.6	148.8	144.7	138.7	135.5
87.5°	310.9	264.6	185.4	150.6	140.6	137.8	135.1	130.9	127.7	122.7	120.0
90°	242.7	210.1	156.6	132.3	126.4	122.7	120.0	114.9	109.9	104.8	103.5
92.5°	190.0	166.2	130.5	115.4	111.7	109.0	105.3	99.8	95.2	89.3	89.7
95°	150.6	135.1	111.3	101.6	98.9	96.6	92.0	86.1	81.0	75.5	74.6
97.5°	118.1	107.6	93.4	88.4	87.4	84.7	80.1	74.2	68.7	62.7	62.7
100°	93.9	87.9	78.7	77.8	76.0	74.2	69.6	64.1	57.2	52.2	52.2
102.5°	75.5	70.5	67.3	67.3	66.8	65.0	60.4	54.9	48.1	43.0	43.0
105°	60.4	58.6	57.2	58.6	59.1	57.2	52.7	46.7	39.8	35.3	36.2
107.5°	50.4	49.0	49.0	50.8	51.7	49.9	45.8	39.4	33.0	29.8	29.8



REPORT NUMBER: P415013

CATALOG NUMBER: LXF.LXT-PA1-40-727-U-T4W-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	41.7	41.2	42.1	44.4	44.9	43.5	39.4	33.4	27.5	24.7	25.2
112.5°	35.3	34.8	36.6	38.9	39.4	38.0	33.9	28.4	22.9	21.1	21.1
115°	29.8	30.2	31.6	33.4	34.3	33.0	29.3	24.3	18.8	17.9	17.9
117.5°	25.6	26.1	27.5	29.8	30.2	28.4	24.7	20.1	16.0	15.6	15.6
120°	22.4	22.9	24.3	25.6	26.1	24.3	21.1	16.9	13.7	13.3	13.3
122.5°	19.7	20.6	21.5	22.4	22.9	21.1	18.3	14.2	11.4	11.4	11.9
125°	17.4	17.9	18.8	19.7	19.7	17.9	15.1	11.9	10.1	10.1	10.1
127.5°	15.6	15.6	16.0	16.9	16.9	15.6	12.8	9.6	8.7	8.7	9.2
130°	13.7	14.2	14.2	14.2	14.2	12.8	10.5	8.2	7.3	7.8	7.8
132.5°	11.9	12.4	12.4	12.4	11.9	10.5	8.7	6.9	6.4	6.9	6.9
135°	10.5	10.5	10.5	10.5	9.6	8.7	6.9	5.5	5.5	6.0	6.0
137.5°	9.2	9.2	9.2	8.7	7.8	6.9	5.5	4.6	4.6	5.0	5.0
140°	7.3	7.8	7.3	6.9	6.0	5.0	4.1	3.7	4.1	4.1	4.1
142.5°	6.0	6.0	6.0	5.5	4.6	3.7	3.2	2.7	3.2	3.2	3.7
145°	4.6	4.6	4.6	4.1	3.2	2.3	2.3	2.3	2.7	2.7	2.7
147.5°	3.2	3.2	3.2	2.7	1.8	1.4	1.4	1.4	1.8	1.8	1.8
150°	2.3	2.3	2.3	1.8	0.9	0.5	0.5	0.9	1.4	1.4	1.4
152.5°	1.4	1.4	1.4	0.9	0.5	0.0	0.5	0.9	0.9	0.5	0.5
155°	0.9	0.9	0.9	0.9	0.5	0.0	0.5	0.5	0.5	0.0	0.0
157.5°	0.9	0.9	0.5	0.5	0.0	0.0	0.0	0.5	0.0	0.0	0.0
160°	0.5	0.5	0.5	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)