

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: P414587

Luminaire Tested: **LXF.LXT-PA1-30-727-U-T3-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414587
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-12)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-30-727-U-T3-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3190 lumens
Efficiency: N/A
Efficacy: 102.9 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 - U2 - G2

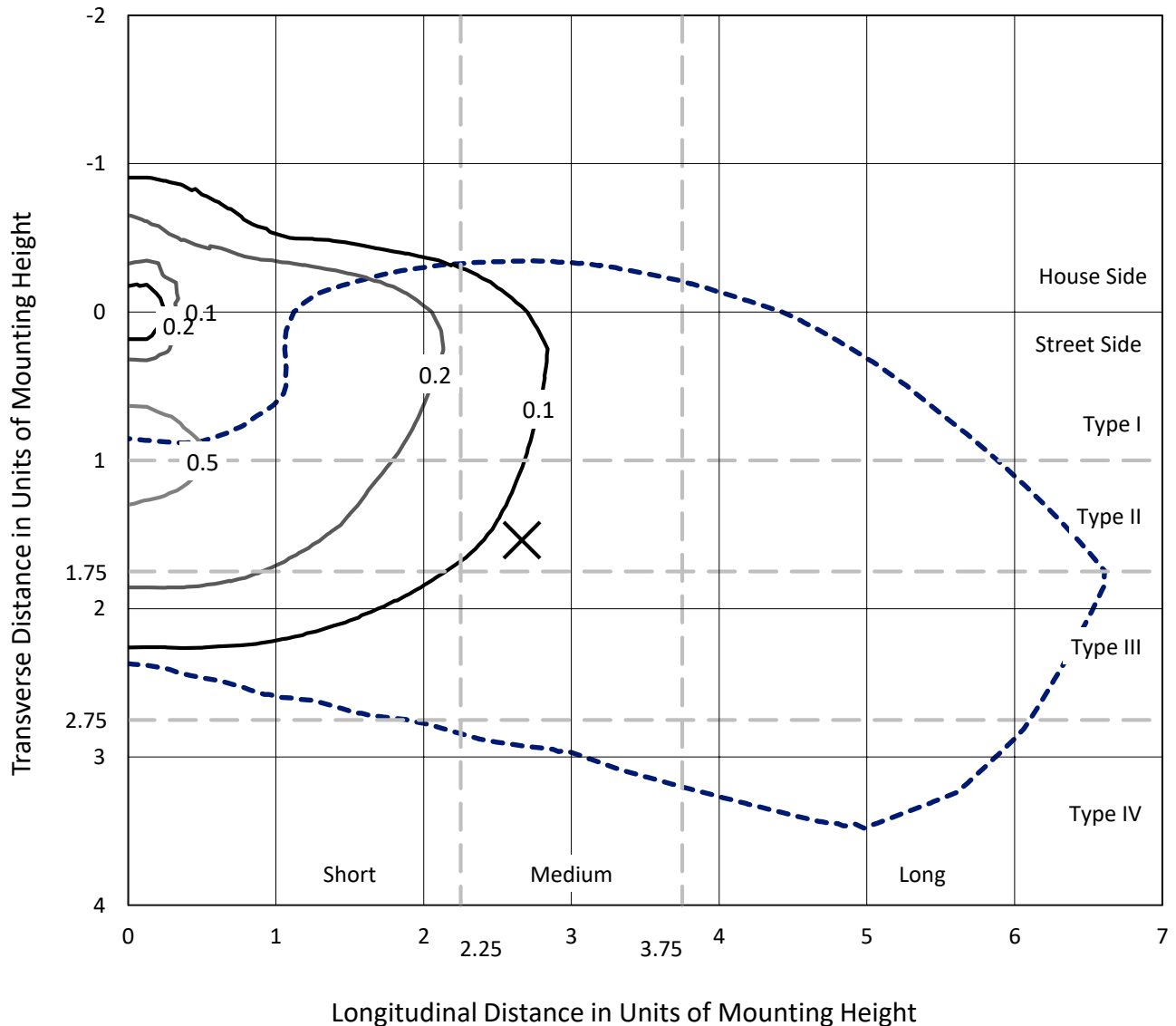
Input Watts (W): 31
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

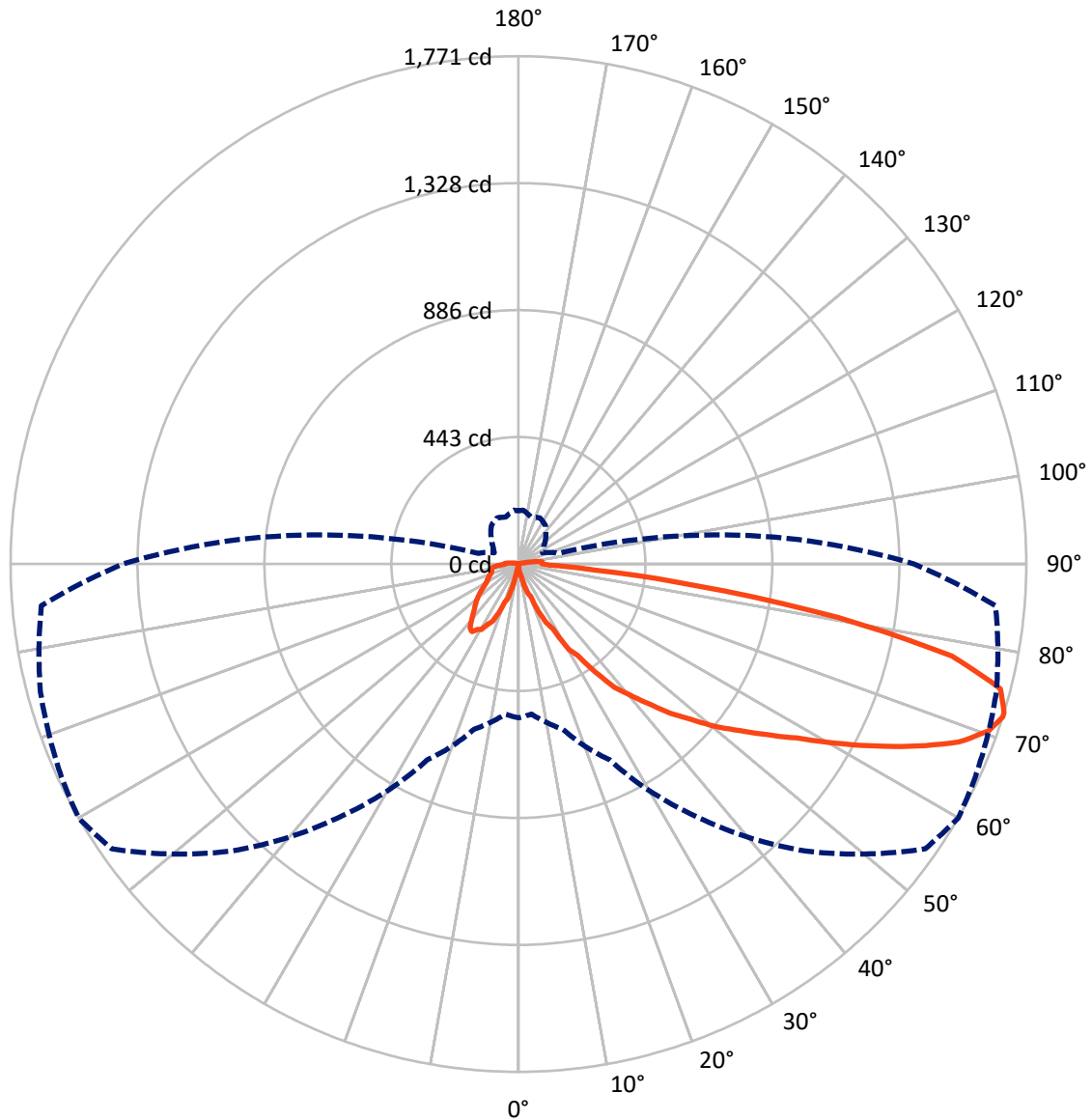
× Max cd
 - - - 1/2 Max cd



Based on 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 60-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical



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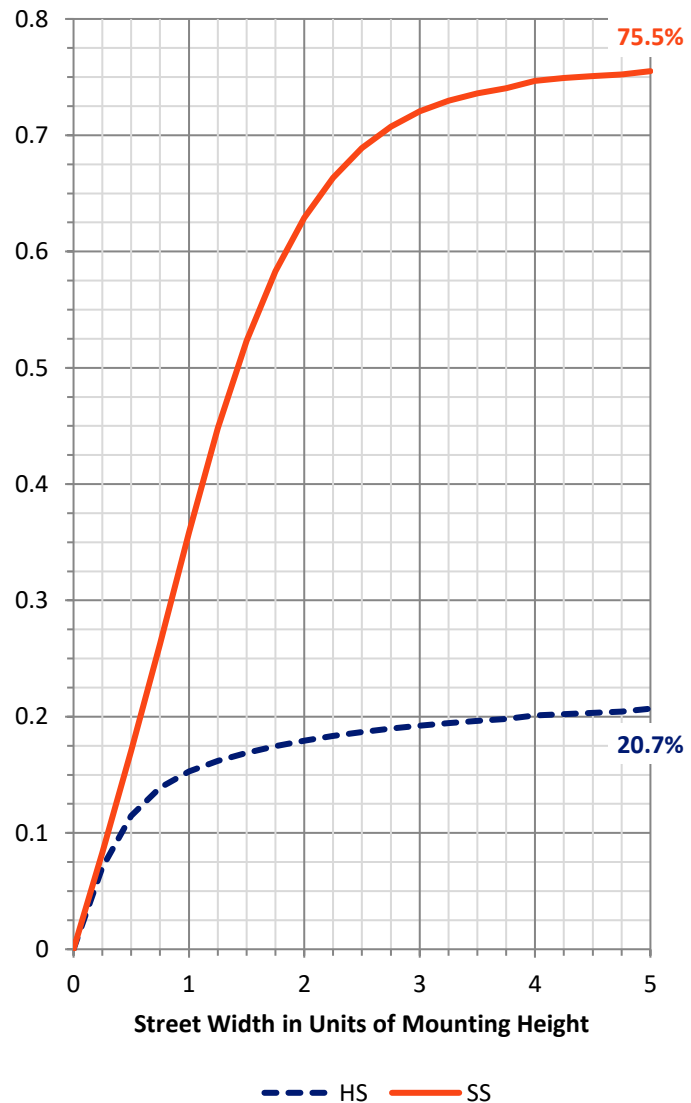
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	697.2	34.0	731.2
	% Fixture	21.9	1.1	22.9
Street Side	Lumens	2428.9	29.9	2458.8
	% Fixture	76.1	0.9	77.1
Total	Lumens	3126.1	63.9	3190.0
	% Fixture	98.0	2.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.7	0.1
10°-20°	26.1	0.8
20°-30°	108.8	3.4
30°-40°	251.2	7.9
40°-50°	441.2	13.8
50°-60°	666.8	20.9
60°-70°	822.1	25.8
70°-80°	634.8	19.9
80°-90°	173.4	5.4
90°-100°	47.1	1.5
100°-110°	8.2	0.3
110°-120°	3.1	0.1
120°-130°	2.2	0.1
130°-140°	1.5	0.0
140°-150°	1.2	0.0
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3126.1	98.0
0°-180°	3190.0	100.0



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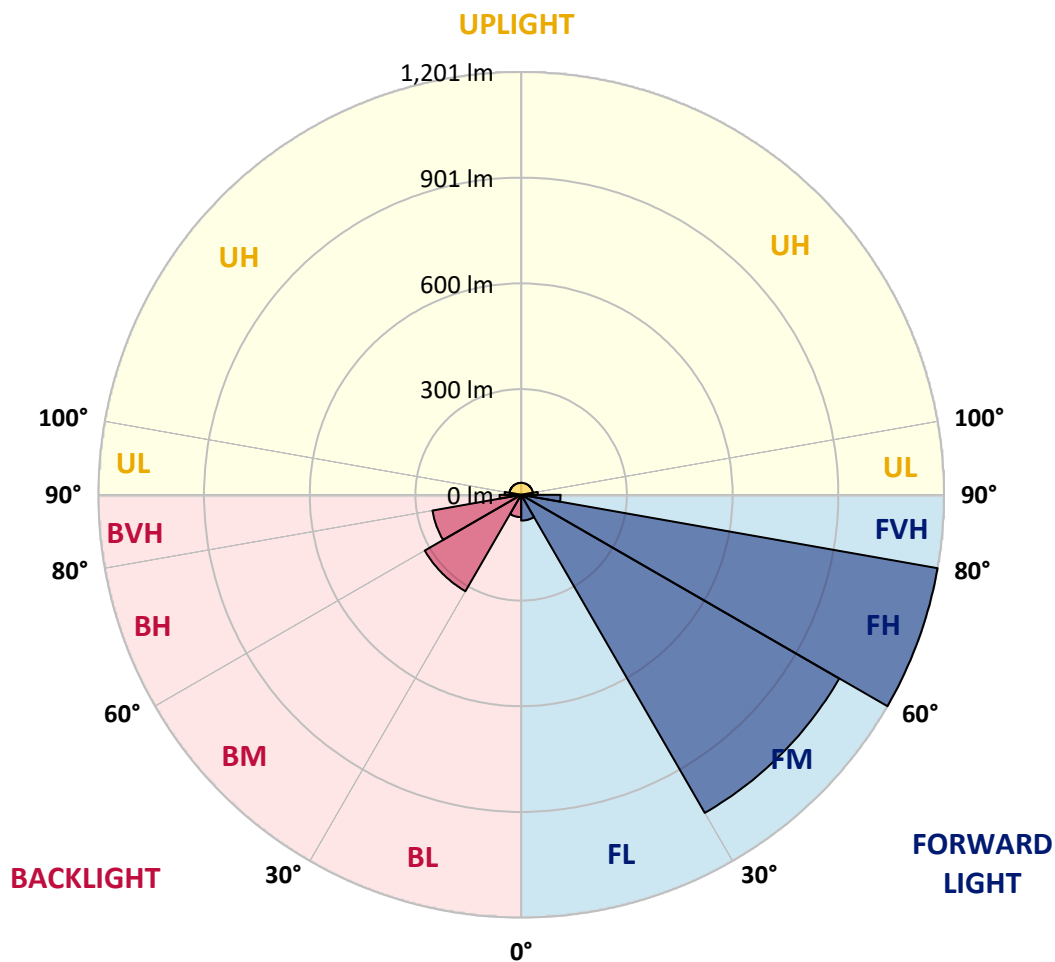
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	73.2	2.3			
FM	(30°-60°)	1043.0	32.7			
FH	(60°-80°)	1200.7	37.6			G1/1800
FVH	(80°-90°)	112.0	3.5			G2/225
BL	(0°-30°)	63.4	2.0	B0/110		
BM	(30°-60°)	316.2	9.9	B1/1000		
BH	(60°-80°)	256.2	8.0	B1/500		G1/500
BVH	(80°-90°)	61.4	1.9			G1/100
UL	(90°-100°)	47.1	1.5		U2/50	
UH	(100°-180°)	34.0	1.1		U2/50	

BUG Rating: B1-U2-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
2.5°	4.2	3.9	3.5	3.5	3.9	3.5	3.2	2.8	2.5	2.5	2.1
5°	39.6	38.5	38.2	30.8	14.1	11.0	5.0	3.9	3.2	2.5	2.1
7.5°	43.8	43.5	43.1	43.1	42.4	40.3	23.0	11.3	6.4	3.2	2.8
10°	50.2	49.5	47.4	46.3	45.3	44.6	41.4	39.3	17.7	5.3	4.6
12.5°	89.5	88.1	85.9	63.7	54.5	48.1	47.0	45.3	39.3	16.3	32.9
15°	96.2	95.8	94.4	93.4	90.5	60.1	72.8	83.1	94.1	76.7	85.6
17.5°	120.9	117.4	108.2	102.9	101.1	110.3	105.4	107.1	107.1	103.3	98.0
20°	180.7	178.2	173.6	153.1	115.3	142.2	139.3	118.5	122.0	151.0	175.4
22.5°	217.8	215.4	205.8	192.7	190.3	158.1	164.4	179.6	183.9	211.8	211.5
25°	295.6	291.0	270.5	232.0	236.9	204.0	229.5	226.0	215.0	233.4	239.8
27.5°	361.1	357.2	347.3	327.8	274.8	285.4	261.0	256.4	285.7	337.4	336.3
30°	433.2	412.0	385.5	379.4	340.2	323.6	329.9	345.1	356.1	361.1	373.4
32.5°	525.5	523.0	503.2	425.1	412.7	369.9	400.3	379.4	387.9	459.4	501.8
35°	589.5	595.9	560.9	514.2	455.5	454.4	441.7	462.5	503.2	513.1	542.5
37.5°	738.7	740.5	709.0	575.7	537.5	500.7	540.3	546.0	557.3	574.3	599.0
40°	851.2	835.3	796.4	697.4	614.3	574.3	602.6	601.9	626.6	657.7	673.3
42.5°	989.8	972.1	902.5	790.4	712.6	668.4	671.2	665.2	685.7	734.8	744.4
45°	1106.1	1098.4	1044.6	926.5	821.1	768.1	749.0	741.6	751.8	813.7	819.0
47.5°	1216.1	1195.3	1160.3	1040.7	978.8	882.3	827.5	809.8	813.0	883.4	898.9
50°	1332.5	1297.5	1254.3	1149.3	1104.4	1025.9	917.7	890.1	891.1	956.2	982.7
52.5°	1401.4	1345.9	1318.0	1231.0	1185.7	1146.5	1012.1	964.3	969.3	1030.8	1071.1
55°	1358.6	1342.0	1342.7	1290.7	1257.1	1211.2	1103.7	1050.3	1055.9	1128.1	1178.6
57.5°	1286.5	1299.2	1344.1	1342.0	1323.3	1278.4	1194.9	1145.0	1177.6	1238.1	1291.4
60°	1231.0	1245.5	1318.3	1355.8	1390.8	1357.9	1289.3	1267.8	1298.2	1350.9	1414.9
62.5°	1138.3	1150.0	1250.1	1349.1	1389.1	1425.8	1379.1	1398.6	1426.5	1471.1	1548.9
65°	1011.7	1008.9	1133.4	1287.6	1377.4	1463.7	1494.8	1530.5	1556.0	1603.7	1674.4
67.5°	862.1	876.3	981.0	1154.9	1331.8	1482.8	1592.0	1657.5	1673.4	1691.8	1742.7
70°	704.1	703.4	795.0	979.9	1233.8	1472.2	1684.3	1740.9	1741.3	1730.3	1745.5
72°	536.8	525.5	596.2	753.9	1071.5	1415.2	1731.7	1771.3	1758.2	1725.7	1670.2
72.5°	460.8	471.0	537.5	710.1	998.6	1386.9	1736.7	1771.0	1756.8	1721.1	1647.6
75°	233.7	218.9	256.7	380.5	688.9	1120.6	1701.0	1736.3	1696.7	1652.2	1444.6
77.5°	91.6	94.1	108.9	164.4	335.2	738.0	1468.3	1545.4	1519.9	1488.4	1139.4
80°	64.4	64.4	72.8	93.7	171.9	299.9	1017.4	1129.5	1168.7	1184.3	762.1
82.5°	46.7	47.4	55.5	65.4	122.7	143.9	499.7	627.7	689.6	747.6	426.1
85°	43.5	43.5	44.6	43.8	87.7	102.6	181.8	268.1	309.8	363.2	172.2
87.5°	20.5	22.3	32.9	26.2	43.1	63.3	99.0	107.5	110.0	124.8	123.8
90°	13.4	13.4	11.0	11.3	21.2	51.3	79.6	81.3	78.2	91.6	115.3
92.5°	13.8	14.1	10.3	10.6	16.6	47.0	81.7	83.1	80.6	96.2	122.4
95°	12.7	12.7	8.8	9.2	13.1	36.1	81.7	83.1	76.0	95.8	122.4
97.5°	10.6	11.0	7.1	7.4	10.3	17.7	56.6	60.8	48.4	48.8	59.8
100°	9.2	9.2	5.7	6.0	7.4	8.1	28.6	30.1	26.9	12.0	8.1
102.5°	9.2	9.2	5.0	5.0	5.0	4.6	8.8	14.9	12.4	7.1	7.8
105°	8.8	9.2	4.6	3.9	3.9	3.5	4.6	5.7	5.7	5.7	8.1
107.5°	7.1	7.4	3.5	3.5	3.2	3.2	2.5	2.5	3.5	5.3	8.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	5.7	5.7	2.8	3.2	2.5	2.8	2.1	2.1	3.2	3.9	6.7
112.5°	3.2	3.2	2.1	2.5	2.1	2.5	2.1	2.1	2.5	3.2	4.2
115°	2.8	2.8	1.8	1.8	1.8	1.8	1.8	1.8	2.1	2.8	4.6
117.5°	2.8	2.8	1.8	1.8	1.8	1.4	1.4	1.8	1.8	2.8	4.6
120°	2.8	2.8	1.8	1.8	1.4	1.4	1.4	1.8	1.8	2.8	4.6
122.5°	3.2	2.8	1.8	1.4	1.4	1.4	1.4	1.4	1.8	2.5	4.6
125°	3.2	2.8	2.1	1.4	1.4	1.4	1.4	1.4	1.8	2.5	3.9
127.5°	3.2	3.2	2.1	1.4	1.4	1.4	1.4	1.4	1.4	2.1	3.5
130°	3.2	2.8	2.1	1.4	1.4	1.4	1.4	1.4	1.4	2.1	3.2
132.5°	2.8	2.8	2.1	1.4	1.8	1.4	1.4	1.4	1.4	1.8	2.5
135°	2.5	2.5	1.8	1.8	1.8	1.4	1.4	1.4	1.4	1.4	2.1
137.5°	2.5	2.5	2.1	1.8	1.8	1.8	1.4	1.4	1.4	1.4	1.8
140°	2.5	2.5	2.1	2.1	2.1	1.8	1.4	1.4	1.4	1.8	1.8
142.5°	2.8	2.8	2.5	2.1	2.1	1.8	1.4	1.4	1.8	1.8	1.8
145°	3.2	3.2	2.8	2.5	2.1	1.4	1.4	1.8	1.8	1.8	2.1
147.5°	3.2	3.2	2.8	2.1	1.8	1.4	1.4	1.8	1.8	2.1	2.1
150°	2.8	2.8	2.5	1.8	1.4	1.1	1.4	1.4	1.8	2.1	2.1
152.5°	2.1	2.1	1.8	1.4	1.1	0.7	1.1	1.4	1.4	1.8	2.1
155°	1.4	1.4	1.1	0.7	0.7	0.7	1.1	1.1	1.1	1.4	1.8
157.5°	0.7	0.7	0.4	0.4	0.7	0.7	0.7	1.1	1.1	1.1	1.4
160°	0.4	0.4	0.4	0.4	0.7	0.7	0.7	1.1	1.1	1.1	1.1
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°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
2.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.5	2.5	2.5	2.8	3.2
5°	2.1	2.1	2.1	2.1	2.5	2.8	3.2	3.5	3.9	4.2	4.2
7.5°	2.5	2.5	2.5	2.8	3.2	3.9	8.8	31.1	42.4	46.3	45.3
10°	4.6	4.6	4.2	4.2	5.0	41.4	52.7	57.3	59.8	62.6	62.6
12.5°	36.8	42.4	15.2	8.5	41.0	58.0	62.2	65.4	67.5	70.4	70.4
15°	88.8	90.2	92.7	83.5	80.6	65.8	68.6	93.0	122.4	130.1	130.8
17.5°	99.7	101.5	103.3	122.4	130.1	100.8	116.0	130.5	133.3	136.1	136.1
20°	190.3	193.1	156.7	140.4	137.2	170.8	131.2	134.7	139.7	164.8	167.3
22.5°	215.7	217.5	203.7	212.5	155.6	178.6	172.6	172.6	193.1	194.5	194.8
25°	241.9	251.8	225.6	218.5	221.4	180.7	203.7	183.9	186.7	188.8	189.2
27.5°	352.9	351.5	330.3	250.0	222.1	218.9	197.7	181.4	212.2	220.3	220.7
30°	375.2	371.7	352.6	292.8	230.6	216.8	186.4	209.7	204.0	205.1	205.5
32.5°	515.9	510.3	456.2	296.3	240.8	200.2	202.3	195.2	195.9	217.8	218.5
35°	551.3	543.5	467.5	342.7	229.5	203.0	187.1	195.9	199.4	198.4	198.4
37.5°	598.7	583.8	464.0	322.2	238.7	189.9	178.9	184.9	182.8	196.3	195.6
40°	650.3	629.5	465.7	298.8	216.4	178.2	171.5	176.8	175.4	171.5	168.7
42.5°	716.1	680.0	465.4	279.4	195.9	174.3	162.0	161.6	155.6	149.2	147.1
45°	783.3	733.4	466.8	257.1	180.4	171.2	156.7	148.2	142.9	136.1	134.4
47.5°	856.8	790.4	471.0	239.4	168.3	161.6	149.9	139.7	135.8	127.3	126.6
50°	943.8	850.1	472.4	225.3	154.2	153.1	145.0	133.7	127.7	119.2	118.5
52.5°	1037.5	913.4	474.9	204.4	143.2	149.9	147.8	132.3	129.8	118.8	118.1
55°	1126.3	973.5	474.2	179.3	138.3	147.1	147.8	141.5	137.6	119.5	118.1
57.5°	1233.1	1038.6	463.6	155.9	130.5	142.9	154.9	149.6	145.3	130.5	127.7
60°	1328.6	1105.8	432.1	137.9	123.8	138.3	160.9	155.6	143.6	134.0	131.2
62.5°	1440.3	1163.8	388.3	124.8	121.3	139.7	163.0	159.5	144.6	141.5	140.4
65°	1516.0	1185.7	321.8	114.2	120.9	139.7	162.3	163.0	152.4	155.6	155.2
67.5°	1525.2	1157.4	244.0	106.1	116.7	139.7	161.3	170.1	159.5	172.6	173.3
70°	1481.0	1086.7	177.9	98.0	112.1	137.9	161.6	174.7	164.8	185.3	183.9
72°	1379.1	979.5	143.9	92.7	108.2	135.1	164.1	177.2	169.4	188.5	185.3
72.5°	1352.6	946.7	137.6	91.9	107.5	134.7	164.8	177.9	169.7	191.7	187.8
75°	1132.0	753.9	118.1	86.6	108.6	133.0	168.3	177.5	171.9	193.8	194.5
77.5°	857.5	508.2	104.7	82.0	108.2	129.8	167.3	174.7	168.7	186.4	190.3
80°	530.8	295.6	93.0	81.7	107.5	128.4	162.7	167.3	159.8	174.0	175.0
82.5°	290.3	172.9	80.6	80.3	104.3	124.5	153.8	158.8	151.7	167.3	156.3
85°	148.5	117.4	60.5	65.8	91.2	117.1	143.6	143.2	136.1	141.8	134.0
87.5°	114.6	92.3	39.3	47.4	74.6	96.5	118.1	117.1	107.9	108.6	105.4
90°	105.4	82.4	25.8	33.6	62.2	69.3	82.0	78.9	72.5	73.9	72.8
92.5°	106.1	81.3	24.8	35.7	59.8	62.2	75.3	71.4	65.1	65.8	63.7
95°	103.6	78.2	24.8	31.5	49.5	44.2	54.1	52.7	47.4	44.9	43.8
97.5°	49.5	38.9	23.0	23.3	27.9	24.0	32.9	35.4	28.3	22.6	22.6
100°	8.5	13.1	20.2	23.7	20.2	15.2	20.9	24.0	16.3	7.4	8.1
102.5°	8.5	8.1	15.6	20.2	14.5	8.1	12.0	15.9	10.3	5.7	6.0
105°	9.2	8.5	7.4	13.8	8.5	4.2	4.6	8.1	5.7	5.7	5.7
107.5°	9.9	9.2	5.3	5.3	4.2	3.9	3.5	3.2	3.9	5.7	6.0



REPORT NUMBER: P414587

CATALOG NUMBER: LXF.LXT-PA1-30-727-U-T3-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	7.4	7.4	5.0	4.2	3.9	3.9	2.8	2.8	3.9	6.0	6.0
112.5°	5.3	5.3	4.2	3.5	3.2	3.9	2.8	2.8	3.5	6.0	6.4
115°	5.3	5.3	3.9	3.2	2.8	3.2	2.8	2.5	3.5	6.0	6.4
117.5°	5.3	5.3	3.9	2.8	2.5	2.5	2.1	2.5	3.5	6.0	6.4
120°	5.3	5.3	3.9	2.8	2.5	2.1	2.1	2.1	3.5	6.0	6.4
122.5°	5.0	5.0	3.5	2.5	2.1	1.8	1.8	2.1	3.2	5.7	6.0
125°	4.6	4.6	3.2	2.5	2.1	1.8	1.8	1.8	3.2	5.3	5.7
127.5°	4.2	4.2	3.2	2.1	1.8	1.8	1.8	1.8	2.8	5.0	5.3
130°	3.5	3.5	2.8	2.1	1.8	1.4	1.8	1.8	2.8	4.6	4.6
132.5°	2.8	2.8	2.1	1.8	1.8	1.4	1.4	1.8	2.5	3.9	4.2
135°	2.1	2.1	2.1	1.8	1.8	1.4	1.4	1.4	2.1	3.2	3.5
137.5°	1.8	2.1	1.8	1.8	1.8	1.4	1.4	1.4	2.1	2.8	2.8
140°	1.8	1.8	1.8	1.8	1.8	1.4	1.4	1.4	2.1	2.5	2.8
142.5°	1.8	2.1	1.8	1.8	1.8	1.4	1.4	1.8	2.1	2.8	2.8
145°	2.1	2.1	2.1	1.8	1.8	1.1	1.1	1.8	2.1	2.8	2.8
147.5°	2.1	2.1	2.1	1.8	1.4	1.1	1.1	1.4	2.1	2.8	2.8
150°	2.1	2.1	2.1	1.8	1.4	0.7	0.7	1.4	1.8	2.5	2.8
152.5°	2.1	2.1	1.8	1.8	1.1	0.7	0.4	1.1	1.4	2.1	2.1
155°	1.8	1.8	1.8	1.4	1.1	0.4	0.0	0.4	1.1	1.8	1.8
157.5°	1.4	1.4	1.4	1.1	0.7	0.4	0.0	0.4	0.4	1.1	1.1
160°	1.1	1.1	1.1	1.1	0.7	0.4	0.0	0.0	0.4	0.7	0.7
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)