

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: P695328

Luminaire Tested: **LXF.LXT-PA16-50-727-U-T4W-FL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695328
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-24)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-50-727-U-T4W-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 980mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4709 lumens
Efficiency: N/A
Efficacy: 88.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Medium
BUG Rating: B1 - U3 - G3

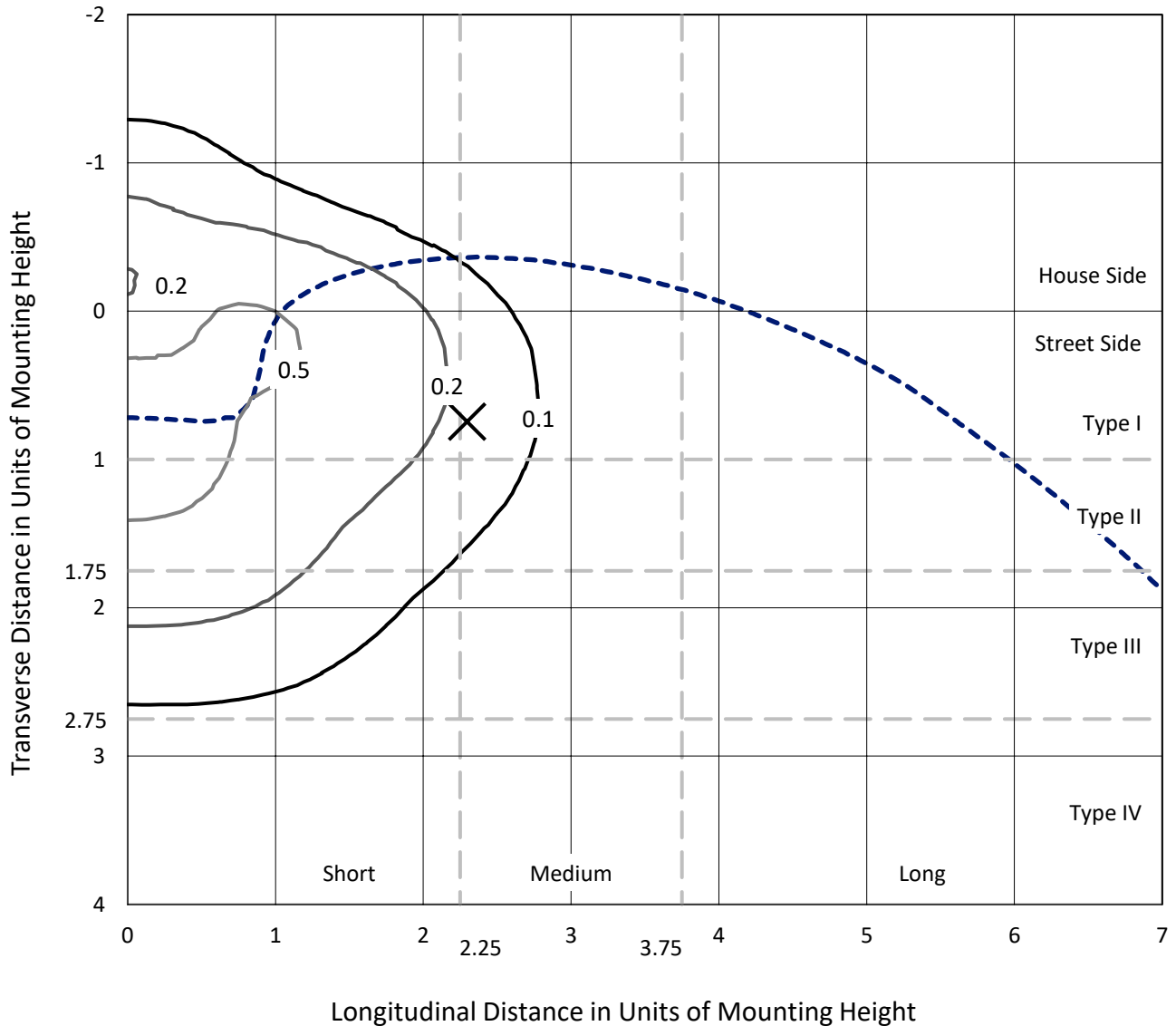
Input Watts (W): 53.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

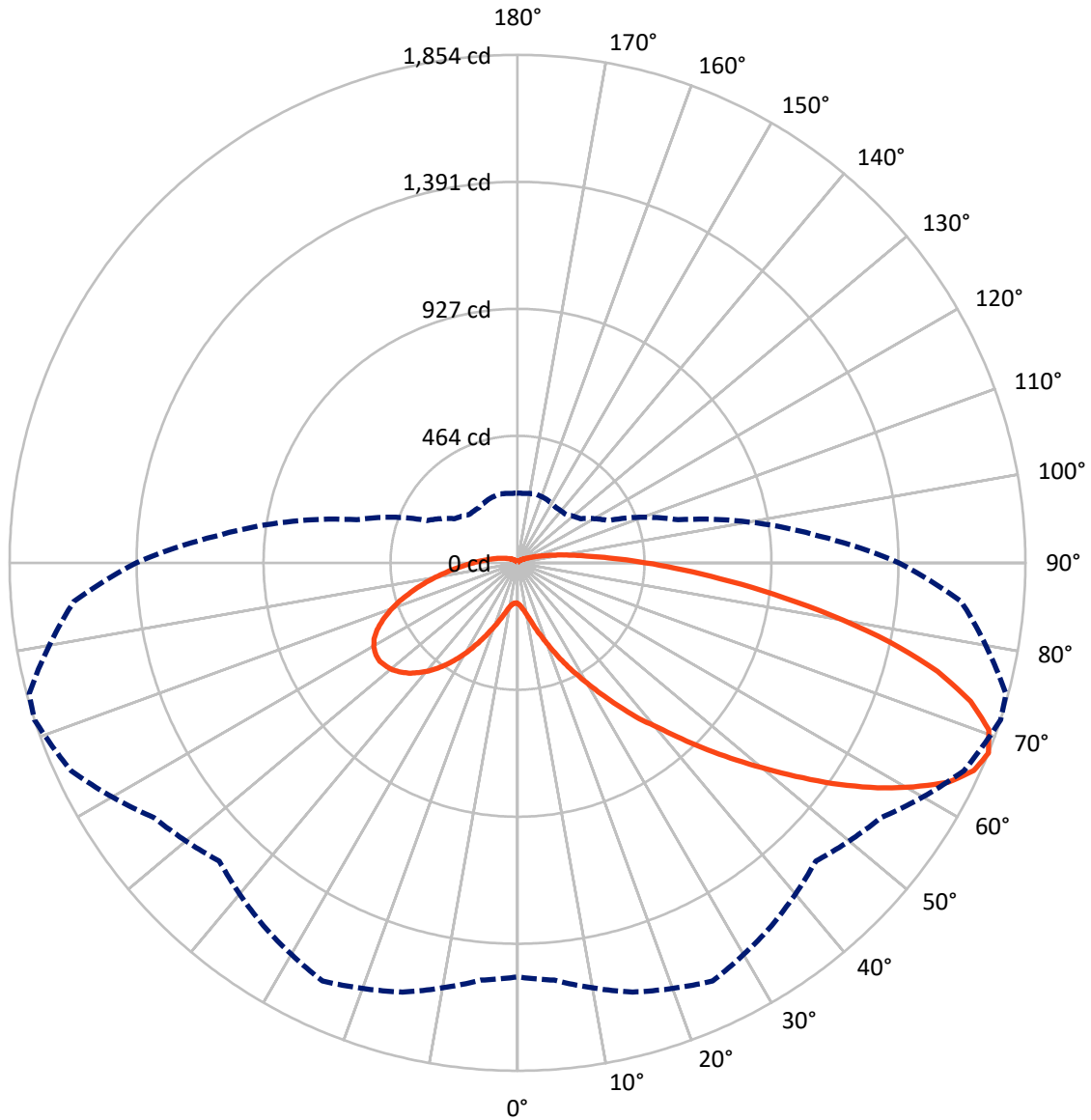
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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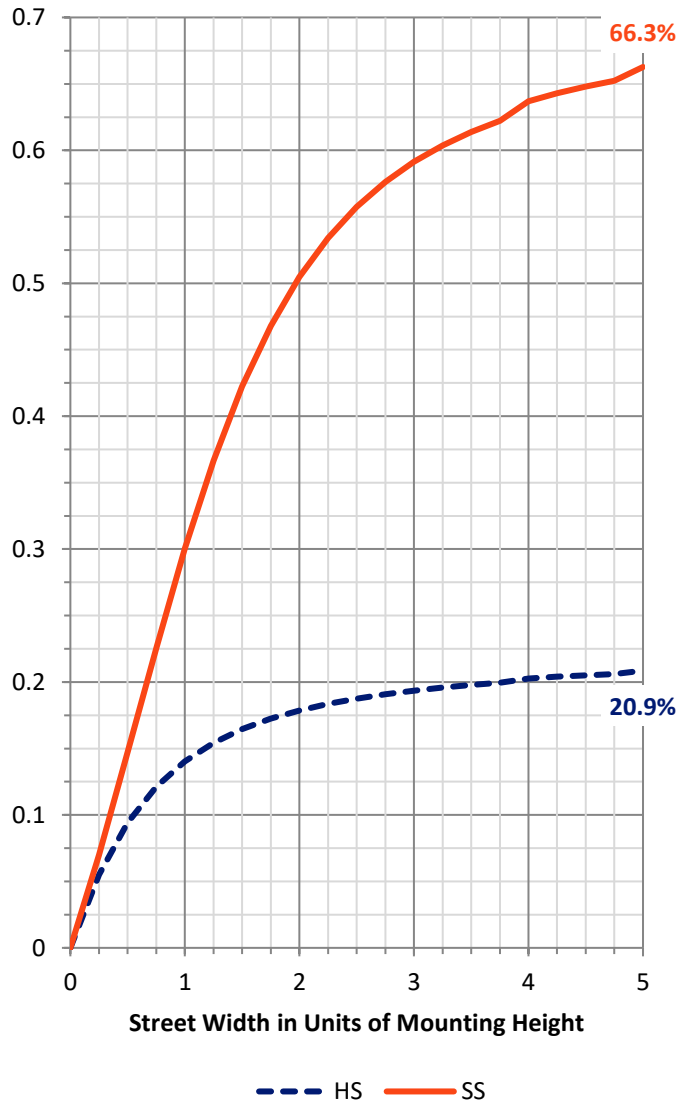
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1040.2	139.4	1179.5
	% Fixture	22.1	3.0	25.0
Street Side	Lumens	3297.0	232.5	3529.5
	% Fixture	70.0	4.9	75.0
Total	Lumens	4337.2	371.8	4709.0
	% Fixture	92.1	7.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.6	0.3
10°-20°	64.6	1.4
20°-30°	165.4	3.5
30°-40°	332.2	7.1
40°-50°	559.2	11.9
50°-60°	825.9	17.5
60°-70°	1017.7	21.6
70°-80°	878.6	18.7
80°-90°	478.0	10.2
90°-100°	203.2	4.3
100°-110°	89.0	1.9
110°-120°	42.9	0.9
120°-130°	21.9	0.5
130°-140°	10.6	0.2
140°-150°	4.0	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4337.2	92.1
0°-180°	4709.0	100.0

Coefficient of Utilization

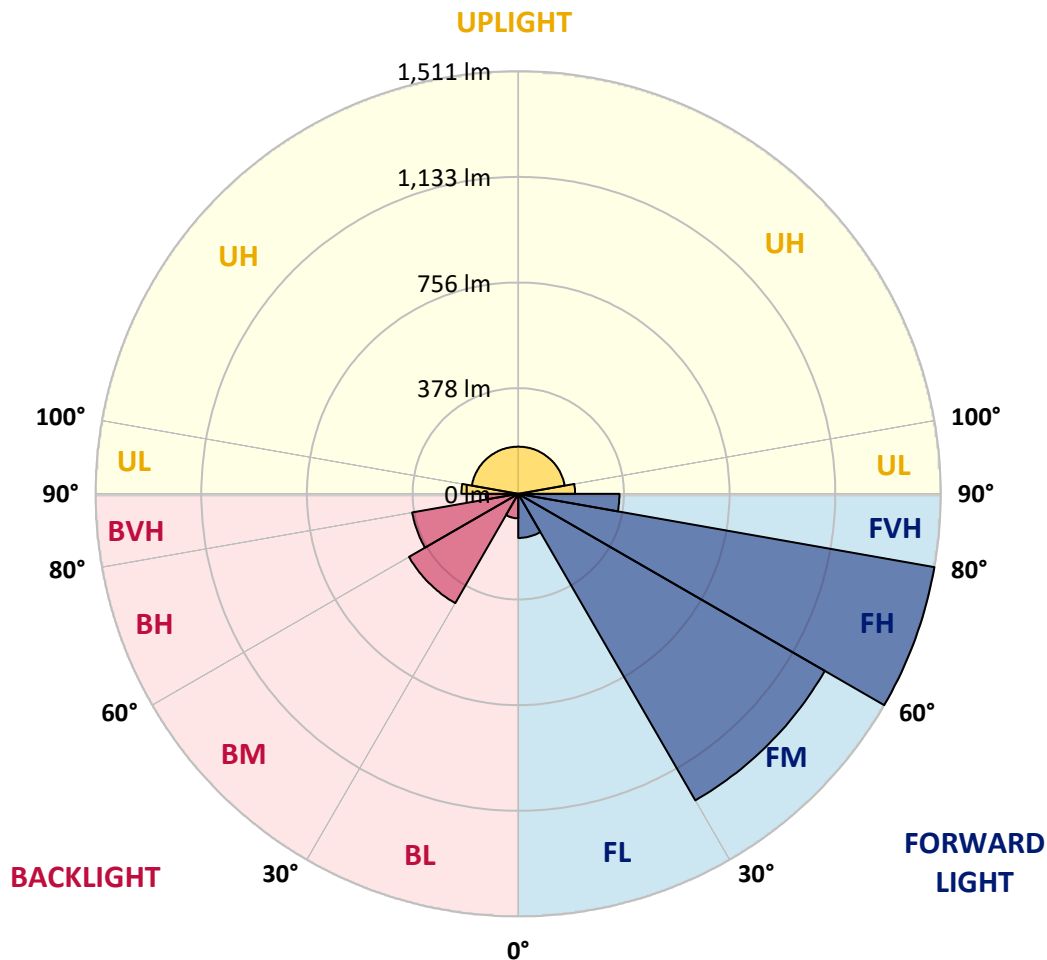


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	157.9	3.4			
FM (30°-60°)	1266.0	26.9			
FH (60°-80°)	1511.3	32.1			G1/1800
FVH (80°-90°)	361.8	7.7			G3/500
BL (0°-30°)	87.7	1.9	B0/110		
BM (30°-60°)	451.2	9.6	B1/1000		
BH (60°-80°)	385.0	8.2	B1/500		G1/500
BVH (80°-90°)	116.3	2.5			G2/225
UL (90°-100°)	203.2	4.3		U3/500	
UH (100°-180°)	168.7	3.6		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°	72°	75°	85°
0°	148.8	148.8	148.8	148.8	148.8	148.8	148.8	148.8	148.8	148.8	148.8
2.5°	162.6	162.6	162.6	160.9	159.1	159.1	157.4	155.7	154.0	152.2	150.5
5°	181.6	181.6	179.9	179.9	176.4	174.7	171.3	166.1	164.3	162.6	157.4
7.5°	205.9	205.9	202.4	202.4	197.2	193.7	188.6	181.6	176.4	174.7	167.8
10°	233.5	231.8	231.8	226.6	221.4	218.0	209.3	200.7	195.5	192.0	183.4
12.5°	269.9	268.1	264.7	259.5	252.6	243.9	235.3	226.6	218.0	214.5	204.1
15°	309.6	309.6	306.2	297.5	288.9	276.8	266.4	256.0	249.1	245.6	231.8
17.5°	356.4	354.6	351.2	340.8	326.9	314.8	302.7	290.6	282.0	278.5	262.9
20°	413.4	411.7	401.3	385.8	373.7	356.4	340.8	326.9	320.0	316.6	299.3
22.5°	475.7	472.3	461.9	442.8	418.6	401.3	384.0	370.2	363.3	358.1	342.5
25°	546.6	541.5	527.6	498.2	470.5	446.3	429.0	415.2	411.7	408.3	387.5
27.5°	624.5	621.0	602.0	565.7	527.6	499.9	477.4	468.8	461.9	458.4	435.9
30°	714.4	709.3	679.8	638.3	588.2	548.4	527.6	522.4	517.2	519.0	498.2
32.5°	802.7	802.7	766.3	711.0	648.7	602.0	577.8	581.2	579.5	579.5	555.3
35°	897.8	899.5	854.6	794.0	712.7	659.1	634.9	643.5	647.0	645.2	621.0
37.5°	998.1	994.7	949.7	873.6	780.2	714.4	693.7	705.8	721.4	716.2	693.7
40°	1108.9	1101.9	1058.7	960.1	854.6	775.0	756.0	780.2	790.6	797.5	766.3
42.5°	1209.2	1205.7	1155.6	1053.5	928.9	839.0	818.2	851.1	878.8	880.5	849.4
45°	1307.8	1300.9	1259.4	1145.2	1001.6	911.6	894.3	941.1	973.9	977.4	942.8
47.5°	1397.7	1397.7	1351.0	1238.6	1091.6	984.3	972.2	1034.5	1076.0	1079.4	1041.4
50°	1491.2	1487.7	1447.9	1333.7	1176.3	1063.9	1058.7	1138.3	1185.0	1190.2	1140.0
52.5°	1560.4	1560.4	1534.4	1427.1	1257.6	1141.7	1150.4	1243.8	1304.3	1318.2	1252.4
55°	1620.9	1622.6	1605.3	1508.5	1351.0	1226.5	1238.6	1356.2	1428.9	1447.9	1364.9
57.5°	1660.7	1662.4	1667.6	1591.5	1432.3	1304.3	1335.5	1475.6	1550.0	1565.5	1472.1
60°	1676.3	1681.4	1705.7	1655.5	1505.0	1385.6	1427.1	1582.8	1660.7	1678.0	1558.6
62.5°	1660.7	1669.3	1717.8	1700.5	1570.7	1454.8	1510.2	1681.4	1764.5	1771.4	1627.8
65°	1614.0	1624.4	1690.1	1710.8	1608.8	1510.2	1582.8	1757.6	1830.2	1831.9	1650.3
67.5°	1511.9	1529.2	1622.6	1684.9	1617.4	1539.6	1620.9	1797.3	1854.4	1845.8	1626.1
70°	1387.4	1401.2	1508.5	1608.8	1586.3	1534.4	1626.1	1788.7	1825.0	1804.3	1544.8
72.5°	1214.4	1229.9	1356.2	1487.7	1506.7	1492.9	1582.8	1729.9	1729.9	1698.7	1418.5
75°	1027.5	1057.0	1169.4	1325.1	1394.3	1401.2	1498.1	1608.8	1584.6	1539.6	1240.3
77.5°	845.9	856.3	967.0	1140.0	1229.9	1271.5	1358.0	1432.3	1389.1	1335.5	1051.8
80°	672.9	681.6	781.9	941.1	1055.2	1126.2	1197.1	1221.3	1160.7	1107.1	858.0
82.5°	522.4	532.8	622.8	762.9	877.0	948.0	1006.8	1012.0	941.1	892.6	683.3
85°	392.7	403.1	479.2	603.7	711.0	785.4	821.7	818.2	740.4	700.6	529.3
87.5°	304.5	302.7	365.0	463.6	563.9	622.8	650.4	627.9	574.3	539.7	406.5
90°	226.6	233.5	282.0	361.5	439.4	489.6	512.0	486.1	441.1	413.4	313.1
92.5°	174.7	178.2	221.4	282.0	347.7	391.0	406.5	377.1	333.9	318.3	240.5
95°	136.7	140.1	171.3	221.4	269.9	302.7	311.4	288.9	254.3	242.2	186.8
97.5°	110.7	112.4	134.9	176.4	214.5	240.5	243.9	221.4	198.9	185.1	147.0
100°	88.2	88.2	109.0	140.1	169.5	190.3	188.6	174.7	155.7	145.3	114.2
102.5°	72.7	72.7	88.2	115.9	138.4	154.0	154.0	136.7	121.1	112.4	90.0
105°	60.5	60.5	72.7	93.4	114.2	126.3	124.6	110.7	95.1	88.2	70.9
107.5°	51.9	51.9	60.5	77.8	93.4	103.8	102.1	88.2	76.1	70.9	58.8
110°	45.0	45.0	51.9	65.7	79.6	86.5	84.8	70.9	60.5	57.1	48.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	38.1	39.8	43.2	55.4	67.5	74.4	70.9	58.8	48.4	45.0	41.5
115°	34.6	34.6	38.1	46.7	57.1	62.3	58.8	48.4	39.8	38.1	34.6
117.5°	31.1	31.1	34.6	41.5	50.2	53.6	50.2	39.8	34.6	31.1	29.4
120°	27.7	27.7	29.4	36.3	41.5	45.0	41.5	32.9	27.7	27.7	25.9
122.5°	25.9	25.9	27.7	31.1	36.3	38.1	34.6	27.7	24.2	24.2	24.2
125°	22.5	24.2	24.2	27.7	31.1	32.9	29.4	24.2	20.8	20.8	20.8
127.5°	20.8	20.8	22.5	24.2	25.9	27.7	24.2	20.8	19.0	17.3	19.0
130°	19.0	19.0	19.0	20.8	22.5	22.5	20.8	17.3	15.6	15.6	17.3
132.5°	17.3	17.3	17.3	17.3	19.0	19.0	17.3	13.8	13.8	13.8	15.6
135°	15.6	15.6	15.6	15.6	15.6	15.6	13.8	12.1	12.1	12.1	13.8
137.5°	13.8	13.8	13.8	13.8	12.1	12.1	10.4	10.4	10.4	10.4	12.1
140°	12.1	12.1	12.1	10.4	10.4	8.6	8.6	8.6	8.6	8.6	10.4
142.5°	10.4	10.4	10.4	8.6	6.9	6.9	6.9	6.9	6.9	6.9	8.6
145°	8.6	8.6	6.9	6.9	5.2	5.2	5.2	5.2	5.2	5.2	6.9
147.5°	6.9	6.9	5.2	5.2	3.5	3.5	3.5	3.5	5.2	5.2	5.2
150°	5.2	5.2	3.5	3.5	3.5	1.7	1.7	3.5	3.5	3.5	3.5
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	148.8	148.8	148.8	148.8	148.8	148.8	148.8	148.8	148.8	148.8	148.8
2.5°	150.5	148.8	147.0	145.3	143.6	143.6	141.9	140.1	140.1	140.1	138.4
5°	155.7	152.2	148.8	145.3	140.1	138.4	134.9	133.2	131.5	129.7	129.7
7.5°	164.3	160.9	154.0	147.0	141.9	136.7	131.5	128.0	126.3	124.6	124.6
10°	178.2	173.0	162.6	154.0	145.3	138.4	133.2	128.0	126.3	124.6	122.8
12.5°	197.2	192.0	178.2	164.3	154.0	143.6	136.7	131.5	128.0	126.3	126.3
15°	224.9	216.2	198.9	181.6	166.1	154.0	145.3	140.1	138.4	136.7	136.7
17.5°	254.3	242.2	223.2	200.7	183.4	167.8	157.4	154.0	150.5	148.8	148.8
20°	288.9	275.1	250.8	223.2	200.7	185.1	173.0	166.1	162.6	160.9	160.9
22.5°	326.9	314.8	280.2	249.1	221.4	204.1	186.8	178.2	174.7	173.0	174.7
25°	371.9	354.6	314.8	276.8	243.9	219.7	202.4	190.3	188.6	186.8	188.6
27.5°	422.1	399.6	352.9	302.7	264.7	235.3	216.2	204.1	202.4	200.7	202.4
30°	475.7	455.0	392.7	333.9	285.4	249.1	228.3	218.0	214.5	216.2	214.5
32.5°	534.5	501.7	432.5	361.5	302.7	259.5	237.0	228.3	228.3	230.1	230.1
35°	598.5	562.2	472.3	387.5	316.6	269.9	245.6	238.7	238.7	242.2	242.2
37.5°	662.5	619.3	512.0	408.3	326.9	275.1	252.6	247.4	247.4	252.6	252.6
40°	731.7	679.8	548.4	427.3	335.6	280.2	256.0	254.3	256.0	261.2	261.2
42.5°	806.1	738.7	581.2	441.1	339.1	282.0	259.5	259.5	262.9	266.4	268.1
45°	884.0	802.7	614.1	449.8	340.8	282.0	261.2	261.2	268.1	271.6	271.6
47.5°	968.7	866.7	640.1	455.0	339.1	280.2	261.2	264.7	269.9	273.3	273.3
50°	1060.4	935.9	664.3	455.0	335.6	278.5	261.2	264.7	271.6	273.3	273.3
52.5°	1150.4	1003.3	679.8	449.8	330.4	275.1	259.5	264.7	271.6	271.6	271.6
55°	1245.5	1067.3	693.7	442.8	323.5	271.6	257.8	264.7	269.9	269.9	269.9
57.5°	1321.6	1119.2	695.4	432.5	316.6	268.1	256.0	262.9	268.1	266.4	266.4
60°	1387.4	1155.6	690.2	418.6	307.9	262.9	254.3	261.2	266.4	262.9	262.9
62.5°	1430.6	1171.1	674.7	403.1	299.3	259.5	252.6	259.5	264.7	261.2	261.2
65°	1432.3	1155.6	645.2	385.8	288.9	254.3	249.1	257.8	262.9	257.8	257.8
67.5°	1392.6	1108.9	607.2	365.0	280.2	249.1	245.6	254.3	259.5	254.3	254.3
70°	1307.8	1031.0	560.5	344.2	268.1	243.9	242.2	250.8	254.3	249.1	247.4
72.5°	1185.0	927.2	508.6	320.0	256.0	235.3	235.3	243.9	247.4	242.2	240.5
75°	1025.8	807.9	451.5	294.1	242.2	226.6	228.3	235.3	238.7	233.5	230.1
77.5°	863.2	686.8	396.1	271.6	228.3	216.2	218.0	226.6	228.3	223.2	219.7
80°	700.6	558.8	340.8	245.6	212.8	205.9	207.6	212.8	214.5	209.3	205.9
82.5°	562.2	455.0	288.9	221.4	197.2	192.0	195.5	198.9	198.9	193.7	190.3
85°	442.8	361.5	245.6	195.5	179.9	178.2	181.6	183.4	181.6	176.4	173.0
87.5°	342.5	287.2	205.9	171.3	162.6	164.3	166.1	166.1	164.3	160.9	155.7
90°	266.4	228.3	173.0	150.5	147.0	148.8	150.5	150.5	147.0	141.9	138.4
92.5°	211.0	185.1	145.3	131.5	131.5	134.9	134.9	134.9	129.7	124.6	122.8
95°	164.3	147.0	122.8	115.9	115.9	119.4	121.1	119.4	114.2	109.0	107.3
97.5°	131.5	119.4	105.5	100.3	103.8	107.3	107.3	103.8	98.6	95.1	93.4
100°	105.5	96.9	88.2	88.2	91.7	95.1	95.1	91.7	86.5	79.6	79.6
102.5°	84.8	81.3	76.1	77.8	79.6	83.0	83.0	79.6	72.7	67.5	67.5
105°	69.2	67.5	65.7	67.5	70.9	72.7	72.7	69.2	62.3	57.1	57.1
107.5°	57.1	55.4	55.4	58.8	62.3	64.0	64.0	58.8	53.6	48.4	50.2
110°	48.4	46.7	46.7	50.2	53.6	55.4	55.4	51.9	45.0	41.5	43.2

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 CATALOG NUMBER: LXF.LXT-PA16-50-727-U-T4W-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	39.8	39.8	41.5	45.0	48.4	50.2	48.4	43.2	38.1	36.3	36.3
115°	34.6	34.6	36.3	39.8	41.5	43.2	41.5	38.1	32.9	31.1	31.1
117.5°	29.4	29.4	31.1	34.6	36.3	38.1	36.3	32.9	27.7	27.7	27.7
120°	25.9	25.9	27.7	31.1	32.9	32.9	31.1	27.7	24.2	24.2	24.2
122.5°	24.2	24.2	24.2	25.9	27.7	29.4	27.7	24.2	20.8	20.8	20.8
125°	20.8	20.8	22.5	24.2	24.2	24.2	22.5	20.8	19.0	19.0	19.0
127.5°	19.0	19.0	19.0	20.8	22.5	20.8	19.0	17.3	15.6	17.3	17.3
130°	17.3	17.3	17.3	17.3	19.0	19.0	17.3	15.6	13.8	13.8	13.8
132.5°	15.6	15.6	15.6	15.6	15.6	15.6	13.8	12.1	12.1	13.8	13.8
135°	13.8	13.8	13.8	13.8	13.8	13.8	12.1	10.4	10.4	12.1	12.1
137.5°	12.1	12.1	12.1	10.4	12.1	10.4	10.4	10.4	10.4	10.4	10.4
140°	10.4	10.4	10.4	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
142.5°	8.6	8.6	8.6	6.9	6.9	6.9	6.9	6.9	6.9	8.6	8.6
145°	6.9	6.9	6.9	5.2	5.2	5.2	5.2	5.2	6.9	6.9	6.9
147.5°	5.2	5.2	5.2	5.2	3.5	3.5	3.5	5.2	5.2	5.2	5.2
150°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	5.2	5.2	5.2
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	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)