

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: P695358

Luminaire Tested: **LXF.LXT-PA16-50-730-U-T4W-FL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695358
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-PA16-50-730-U-T4W-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 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: 5115 lumens
Efficiency: N/A
Efficacy: 96.3 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

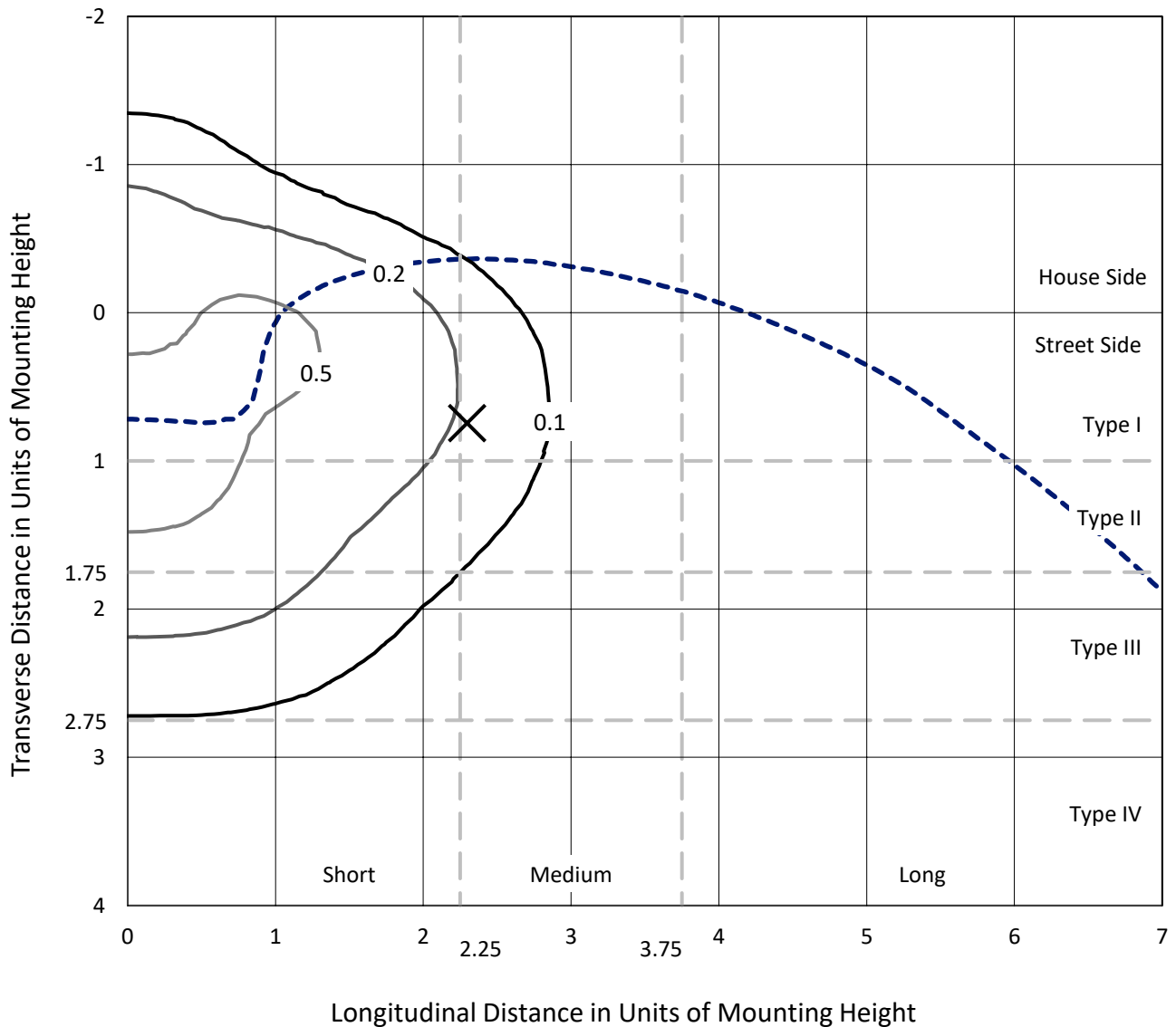
Input Watts (W): 53.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

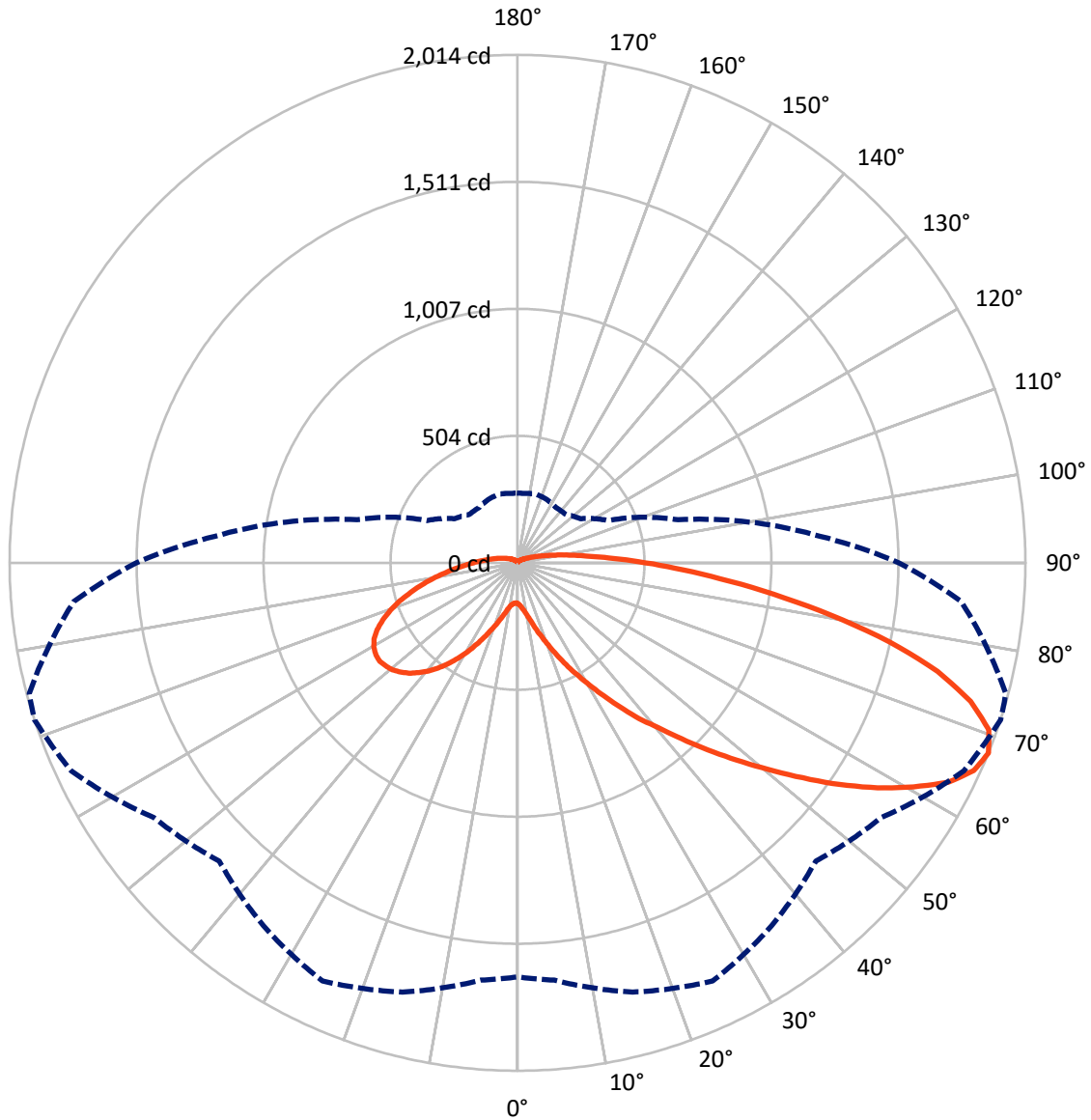
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 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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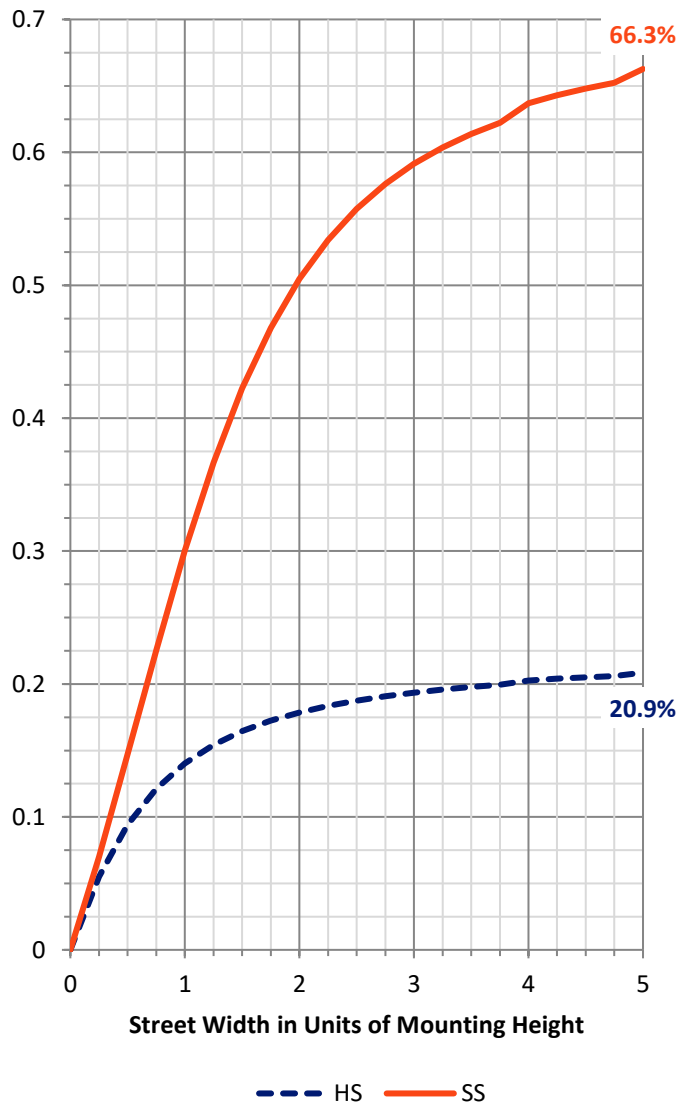
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1129.9	151.4	1281.2
	% Fixture	22.1	3.0	25.0
Street Side	Lumens	3581.2	252.5	3833.8
	% Fixture	70.0	4.9	75.0
Total	Lumens	4711.1	403.9	5115.0
	% Fixture	92.1	7.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.9	0.3
10°-20°	70.2	1.4
20°-30°	179.6	3.5
30°-40°	360.8	7.1
40°-50°	607.4	11.9
50°-60°	897.1	17.5
60°-70°	1105.4	21.6
70°-80°	954.4	18.7
80°-90°	519.3	10.2
90°-100°	220.7	4.3
100°-110°	96.7	1.9
110°-120°	46.6	0.9
120°-130°	23.7	0.5
130°-140°	11.5	0.2
140°-150°	4.3	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4711.1	92.1
0°-180°	5115.0	100.0

Coefficient of Utilization

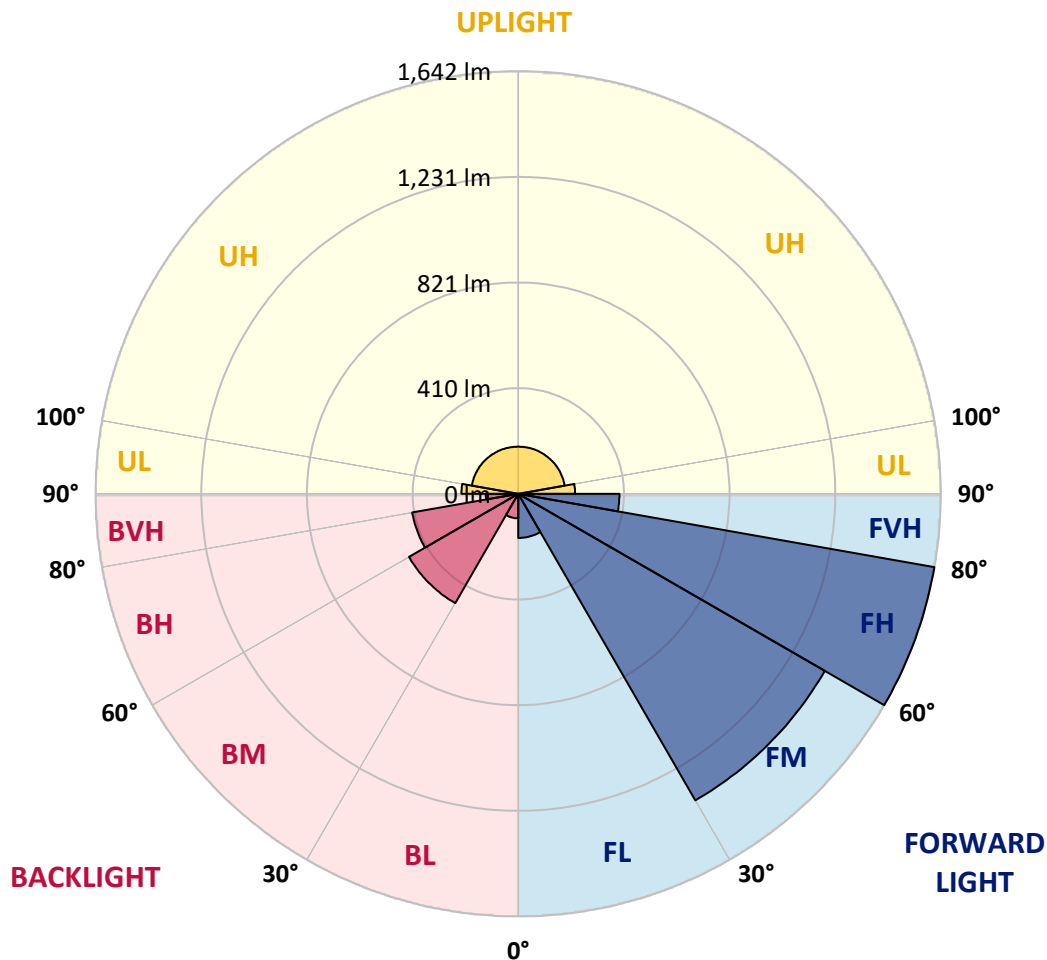


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	171.5	3.4			
FM (30°-60°)	1375.2	26.9			
FH (60°-80°)	1641.6	32.1			G1/1800
FVH (80°-90°)	393.0	7.7			G3/500
BL (0°-30°)	95.2	1.9	B0/110		
BM (30°-60°)	490.1	9.6	B1/1000		
BH (60°-80°)	418.2	8.2	B1/500		G1/500
BVH (80°-90°)	126.3	2.5			G2/225
UL (90°-100°)	220.7	4.3		U3/500	
UH (100°-180°)	183.2	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°	161.6	161.6	161.6	161.6	161.6	161.6	161.6	161.6	161.6	161.6	161.6
2.5°	176.6	176.6	176.6	174.7	172.9	172.9	171.0	169.1	167.2	165.4	163.5
5°	197.3	197.3	195.4	195.4	191.7	189.8	186.0	180.4	178.5	176.6	171.0
7.5°	223.6	223.6	219.8	219.8	214.2	210.5	204.8	197.3	191.7	189.8	182.3
10°	253.7	251.8	251.8	246.2	240.5	236.8	227.4	218.0	212.3	208.6	199.2
12.5°	293.1	291.2	287.5	281.9	274.3	264.9	255.5	246.2	236.8	233.0	221.7
15°	336.3	336.3	332.6	323.2	313.8	300.6	289.4	278.1	270.6	266.8	251.8
17.5°	387.1	385.2	381.4	370.2	355.1	342.0	328.8	315.7	306.3	302.5	285.6
20°	449.1	447.2	435.9	419.0	405.9	387.1	370.2	355.1	347.6	343.9	325.1
22.5°	516.7	513.0	501.7	481.0	454.7	435.9	417.1	402.1	394.6	389.0	372.0
25°	593.8	588.1	573.1	541.2	511.1	484.8	466.0	451.0	447.2	443.4	420.9
27.5°	678.3	674.6	653.9	614.4	573.1	543.0	518.6	509.2	501.7	497.9	473.5
30°	776.0	770.4	738.5	693.4	638.9	595.7	573.1	567.5	561.8	563.7	541.2
32.5°	871.9	871.9	832.4	772.3	704.6	653.9	627.6	631.4	629.5	629.5	603.2
35°	975.2	977.1	928.2	862.5	774.2	715.9	689.6	699.0	702.8	700.9	674.6
37.5°	1084.2	1080.4	1031.6	948.9	847.4	776.0	753.5	766.6	783.6	777.9	753.5
40°	1204.5	1196.9	1150.0	1042.9	928.2	841.8	821.1	847.4	858.7	866.2	832.4
42.5°	1313.4	1309.7	1255.2	1144.3	1009.0	911.3	888.8	924.5	954.5	956.4	922.6
45°	1420.5	1413.0	1367.9	1243.9	1088.0	990.2	971.5	1022.2	1057.9	1061.6	1024.1
47.5°	1518.3	1518.3	1467.5	1345.4	1185.7	1069.2	1056.0	1123.7	1168.8	1172.5	1131.2
50°	1619.7	1616.0	1572.7	1448.7	1277.7	1155.6	1150.0	1236.4	1287.1	1292.8	1238.3
52.5°	1694.9	1694.9	1666.7	1550.2	1366.1	1240.2	1249.6	1351.0	1416.8	1431.8	1360.4
55°	1760.6	1762.5	1743.7	1638.5	1467.5	1332.2	1345.4	1473.2	1552.1	1572.7	1482.6
57.5°	1803.9	1805.7	1811.4	1728.7	1555.8	1416.8	1450.6	1602.8	1683.6	1700.5	1599.1
60°	1820.8	1826.4	1852.7	1798.2	1634.8	1505.1	1550.2	1719.3	1803.9	1822.7	1693.0
62.5°	1803.9	1813.3	1865.9	1847.1	1706.2	1580.3	1640.4	1826.4	1916.6	1924.1	1768.2
65°	1753.1	1764.4	1835.8	1858.4	1747.5	1640.4	1719.3	1909.1	1988.0	1989.9	1792.6
67.5°	1642.3	1661.1	1762.5	1830.2	1756.9	1672.3	1760.6	1952.3	2014.3	2004.9	1766.3
70°	1507.0	1522.0	1638.5	1747.5	1723.1	1666.7	1766.3	1942.9	1982.4	1959.8	1678.0
72.5°	1319.1	1336.0	1473.2	1616.0	1636.6	1621.6	1719.3	1879.0	1879.0	1845.2	1540.8
75°	1116.1	1148.1	1270.2	1439.3	1514.5	1522.0	1627.2	1747.5	1721.2	1672.3	1347.3
77.5°	918.8	930.1	1050.4	1238.3	1336.0	1381.1	1475.0	1555.8	1508.9	1450.6	1142.4
80°	730.9	740.3	849.3	1022.2	1146.2	1223.2	1300.3	1326.6	1260.8	1202.6	932.0
82.5°	567.5	578.7	676.4	828.6	952.7	1029.7	1093.6	1099.2	1022.2	969.6	742.2
85°	426.5	437.8	520.5	655.8	772.3	853.1	892.5	888.8	804.2	761.0	575.0
87.5°	330.7	328.8	396.5	503.6	612.6	676.4	706.5	682.1	623.8	586.3	441.6
90°	246.2	253.7	306.3	392.7	477.3	531.8	556.2	528.0	479.2	449.1	340.1
92.5°	189.8	193.5	240.5	306.3	377.7	424.7	441.6	409.6	362.7	345.7	261.2
95°	148.4	152.2	186.0	240.5	293.1	328.8	338.2	313.8	276.2	263.1	202.9
97.5°	120.3	122.1	146.6	191.7	233.0	261.2	264.9	240.5	216.1	201.1	159.7
100°	95.8	95.8	118.4	152.2	184.1	206.7	204.8	189.8	169.1	157.8	124.0
102.5°	78.9	78.9	95.8	125.9	150.3	167.2	167.2	148.4	131.5	122.1	97.7
105°	65.8	65.8	78.9	101.5	124.0	137.2	135.3	120.3	103.3	95.8	77.0
107.5°	56.4	56.4	65.8	84.6	101.5	112.7	110.9	95.8	82.7	77.0	63.9
110°	48.9	48.9	56.4	71.4	86.4	94.0	92.1	77.0	65.8	62.0	52.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	41.3	43.2	47.0	60.1	73.3	80.8	77.0	63.9	52.6	48.9	45.1
115°	37.6	37.6	41.3	50.7	62.0	67.6	63.9	52.6	43.2	41.3	37.6
117.5°	33.8	33.8	37.6	45.1	54.5	58.2	54.5	43.2	37.6	33.8	31.9
120°	30.1	30.1	31.9	39.5	45.1	48.9	45.1	35.7	30.1	30.1	28.2
122.5°	28.2	28.2	30.1	33.8	39.5	41.3	37.6	30.1	26.3	26.3	26.3
125°	24.4	26.3	26.3	30.1	33.8	35.7	31.9	26.3	22.5	22.5	22.5
127.5°	22.5	22.5	24.4	26.3	28.2	30.1	26.3	22.5	20.7	18.8	20.7
130°	20.7	20.7	20.7	22.5	24.4	24.4	22.5	18.8	16.9	16.9	18.8
132.5°	18.8	18.8	18.8	18.8	20.7	20.7	18.8	15.0	15.0	15.0	16.9
135°	16.9	16.9	16.9	16.9	16.9	16.9	15.0	13.2	13.2	13.2	15.0
137.5°	15.0	15.0	15.0	15.0	13.2	13.2	11.3	11.3	11.3	11.3	13.2
140°	13.2	13.2	13.2	11.3	11.3	9.4	9.4	9.4	9.4	9.4	11.3
142.5°	11.3	11.3	11.3	9.4	7.5	7.5	7.5	7.5	7.5	7.5	9.4
145°	9.4	9.4	7.5	7.5	5.6	5.6	5.6	5.6	5.6	5.6	7.5
147.5°	7.5	7.5	5.6	5.6	3.8	3.8	3.8	3.8	5.6	5.6	5.6
150°	5.6	5.6	3.8	3.8	3.8	1.9	1.9	3.8	3.8	3.8	3.8
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°	161.6	161.6	161.6	161.6	161.6	161.6	161.6	161.6	161.6	161.6	161.6
2.5°	163.5	161.6	159.7	157.8	156.0	156.0	154.1	152.2	152.2	152.2	150.3
5°	169.1	165.4	161.6	157.8	152.2	150.3	146.6	144.7	142.8	140.9	140.9
7.5°	178.5	174.7	167.2	159.7	154.1	148.4	142.8	139.0	137.2	135.3	135.3
10°	193.5	187.9	176.6	167.2	157.8	150.3	144.7	139.0	137.2	135.3	133.4
12.5°	214.2	208.6	193.5	178.5	167.2	156.0	148.4	142.8	139.0	137.2	137.2
15°	244.3	234.9	216.1	197.3	180.4	167.2	157.8	152.2	150.3	148.4	148.4
17.5°	276.2	263.1	242.4	218.0	199.2	182.3	171.0	167.2	163.5	161.6	161.6
20°	313.8	298.8	272.5	242.4	218.0	201.1	187.9	180.4	176.6	174.7	174.7
22.5°	355.1	342.0	304.4	270.6	240.5	221.7	202.9	193.5	189.8	187.9	189.8
25°	404.0	385.2	342.0	300.6	264.9	238.6	219.8	206.7	204.8	202.9	204.8
27.5°	458.5	434.1	383.3	328.8	287.5	255.5	234.9	221.7	219.8	218.0	219.8
30°	516.7	494.2	426.5	362.7	310.0	270.6	248.0	236.8	233.0	234.9	233.0
32.5°	580.6	544.9	469.8	392.7	328.8	281.9	257.4	248.0	248.0	249.9	249.9
35°	650.1	610.7	513.0	420.9	343.9	293.1	266.8	259.3	259.3	263.1	263.1
37.5°	719.7	672.7	556.2	443.4	355.1	298.8	274.3	268.7	268.7	274.3	274.3
40°	794.8	738.5	595.7	464.1	364.5	304.4	278.1	276.2	278.1	283.7	283.7
42.5°	875.6	802.3	631.4	479.2	368.3	306.3	281.9	281.9	285.6	289.4	291.2
45°	960.2	871.9	667.1	488.5	370.2	306.3	283.7	283.7	291.2	295.0	295.0
47.5°	1052.3	941.4	695.2	494.2	368.3	304.4	283.7	287.5	293.1	296.9	296.9
50°	1151.8	1016.6	721.5	494.2	364.5	302.5	283.7	287.5	295.0	296.9	296.9
52.5°	1249.6	1089.8	738.5	488.5	358.9	298.8	281.9	287.5	295.0	295.0	295.0
55°	1352.9	1159.4	753.5	481.0	351.4	295.0	280.0	287.5	293.1	293.1	293.1
57.5°	1435.6	1215.7	755.4	469.8	343.9	291.2	278.1	285.6	291.2	289.4	289.4
60°	1507.0	1255.2	749.7	454.7	334.5	285.6	276.2	283.7	289.4	285.6	285.6
62.5°	1554.0	1272.1	732.8	437.8	325.1	281.9	274.3	281.9	287.5	283.7	283.7
65°	1555.8	1255.2	700.9	419.0	313.8	276.2	270.6	280.0	285.6	280.0	280.0
67.5°	1512.6	1204.5	659.5	396.5	304.4	270.6	266.8	276.2	281.9	276.2	276.2
70°	1420.5	1119.9	608.8	373.9	291.2	264.9	263.1	272.5	276.2	270.6	268.7
72.5°	1287.1	1007.2	552.4	347.6	278.1	255.5	255.5	264.9	268.7	263.1	261.2
75°	1114.3	877.5	490.4	319.4	263.1	246.2	248.0	255.5	259.3	253.7	249.9
77.5°	937.6	746.0	430.3	295.0	248.0	234.9	236.8	246.2	248.0	242.4	238.6
80°	761.0	606.9	370.2	266.8	231.1	223.6	225.5	231.1	233.0	227.4	223.6
82.5°	610.7	494.2	313.8	240.5	214.2	208.6	212.3	216.1	216.1	210.5	206.7
85°	481.0	392.7	266.8	212.3	195.4	193.5	197.3	199.2	197.3	191.7	187.9
87.5°	372.0	311.9	223.6	186.0	176.6	178.5	180.4	180.4	178.5	174.7	169.1
90°	289.4	248.0	187.9	163.5	159.7	161.6	163.5	163.5	159.7	154.1	150.3
92.5°	229.2	201.1	157.8	142.8	142.8	146.6	146.6	146.6	140.9	135.3	133.4
95°	178.5	159.7	133.4	125.9	125.9	129.7	131.5	129.7	124.0	118.4	116.5
97.5°	142.8	129.7	114.6	109.0	112.7	116.5	116.5	112.7	107.1	103.3	101.5
100°	114.6	105.2	95.8	95.8	99.6	103.3	103.3	99.6	94.0	86.4	86.4
102.5°	92.1	88.3	82.7	84.6	86.4	90.2	90.2	86.4	78.9	73.3	73.3
105°	75.2	73.3	71.4	73.3	77.0	78.9	78.9	75.2	67.6	62.0	62.0
107.5°	62.0	60.1	60.1	63.9	67.6	69.5	69.5	63.9	58.2	52.6	54.5
110°	52.6	50.7	50.7	54.5	58.2	60.1	60.1	56.4	48.9	45.1	47.0

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 CATALOG NUMBER: LXF.LXT-PA16-50-730-U-T4W-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	43.2	43.2	45.1	48.9	52.6	54.5	52.6	47.0	41.3	39.5	39.5
115°	37.6	37.6	39.5	43.2	45.1	47.0	45.1	41.3	35.7	33.8	33.8
117.5°	31.9	31.9	33.8	37.6	39.5	41.3	39.5	35.7	30.1	30.1	30.1
120°	28.2	28.2	30.1	33.8	35.7	35.7	33.8	30.1	26.3	26.3	26.3
122.5°	26.3	26.3	26.3	28.2	30.1	31.9	30.1	26.3	22.5	22.5	22.5
125°	22.5	22.5	24.4	26.3	26.3	26.3	24.4	22.5	20.7	20.7	20.7
127.5°	20.7	20.7	20.7	22.5	24.4	22.5	20.7	18.8	16.9	18.8	18.8
130°	18.8	18.8	18.8	18.8	20.7	20.7	18.8	16.9	15.0	15.0	15.0
132.5°	16.9	16.9	16.9	16.9	16.9	16.9	15.0	13.2	13.2	15.0	15.0
135°	15.0	15.0	15.0	15.0	15.0	15.0	13.2	11.3	11.3	13.2	13.2
137.5°	13.2	13.2	13.2	11.3	13.2	11.3	11.3	11.3	11.3	11.3	11.3
140°	11.3	11.3	11.3	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4
142.5°	9.4	9.4	9.4	7.5	7.5	7.5	7.5	7.5	7.5	9.4	9.4
145°	7.5	7.5	7.5	5.6	5.6	5.6	5.6	5.6	7.5	7.5	7.5
147.5°	5.6	5.6	5.6	5.6	3.8	3.8	3.8	5.6	5.6	5.6	5.6
150°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	5.6	5.6	5.6
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)