

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: P695308

Luminaire Tested: **LXF.LXT-PA16-50-727-U-SL3-FL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695308
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-29)
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-SL3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 980mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4468 lumens
Efficiency: N/A
Efficacy: 84.1 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

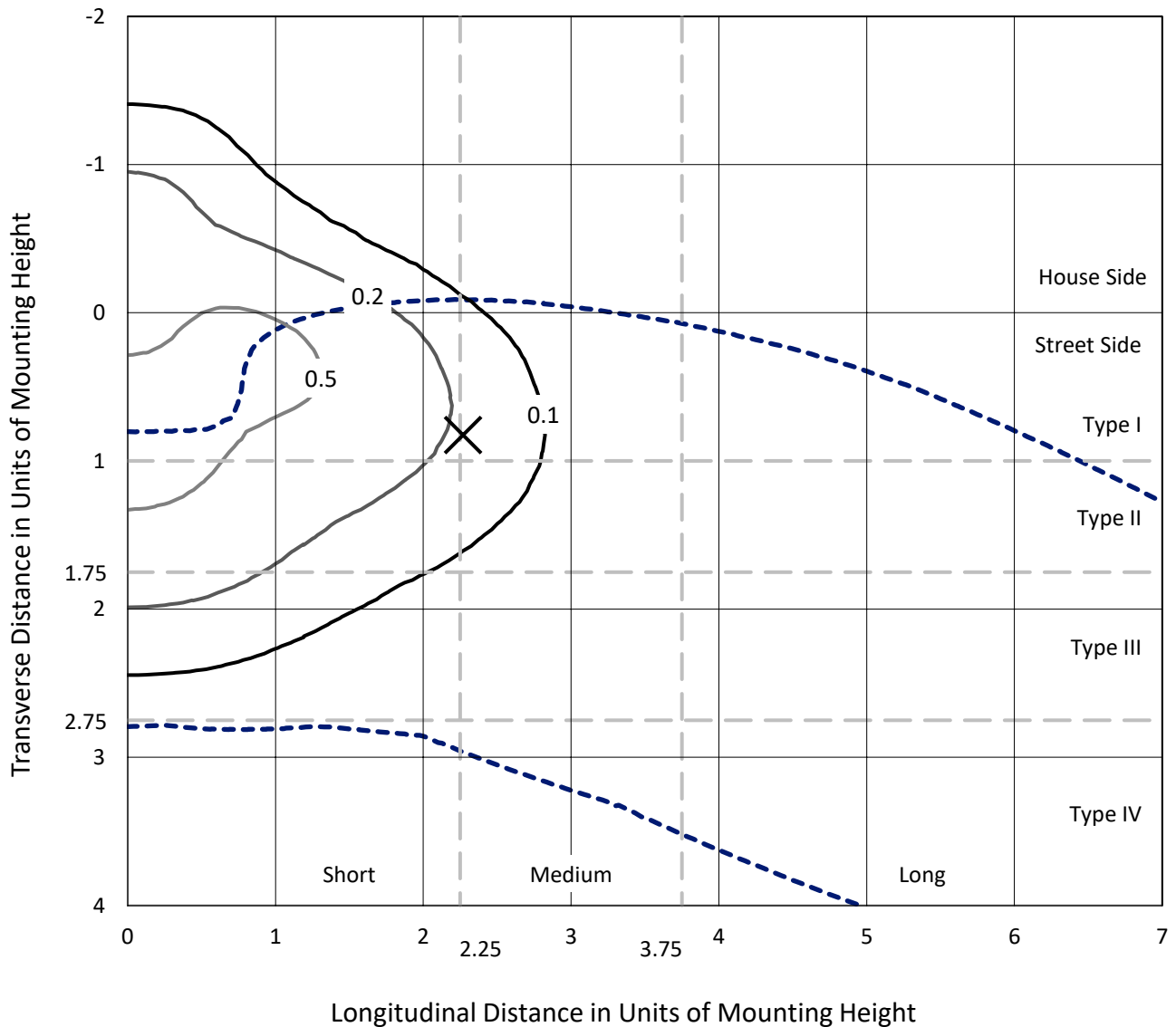
Input Watts (W): 53.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

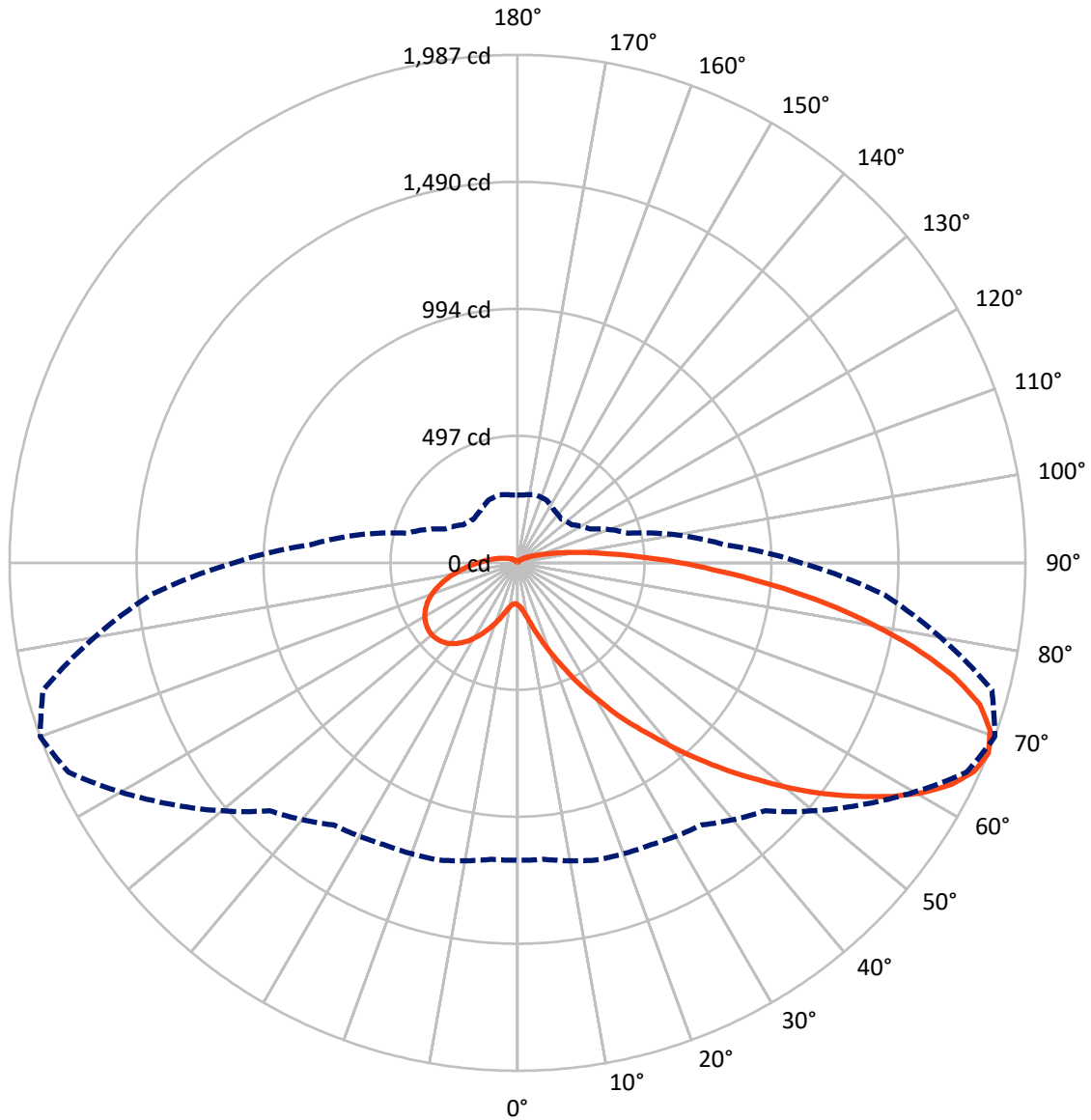
✕ Max cd
 - - - 1/2 Max cd



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 70-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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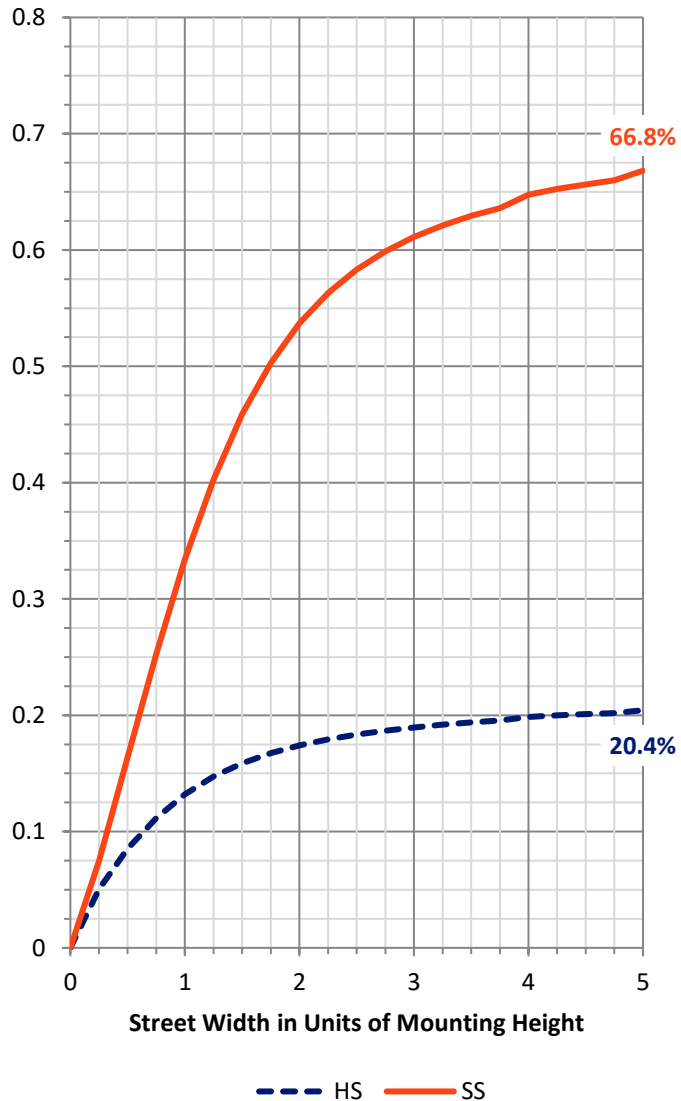
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	963.2	131.1	1094.3
	% Fixture	21.6	2.9	24.5
Street Side	Lumens	3128.1	245.5	3373.7
	% Fixture	70.0	5.5	75.5
Total	Lumens	4091.3	376.7	4468.0
	% Fixture	91.6	8.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.2	0.4
10°-20°	70.7	1.6
20°-30°	178.2	4.0
30°-40°	349.1	7.8
40°-50°	568.5	12.7
50°-60°	796.4	17.8
60°-70°	913.6	20.4
70°-80°	760.4	17.0
80°-90°	437.3	9.8
90°-100°	200.6	4.5
100°-110°	91.8	2.1
110°-120°	45.2	1.0
120°-130°	23.3	0.5
130°-140°	11.3	0.3
140°-150°	4.2	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4091.3	91.6
0°-180°	4468.0	100.0

Coefficient of Utilization

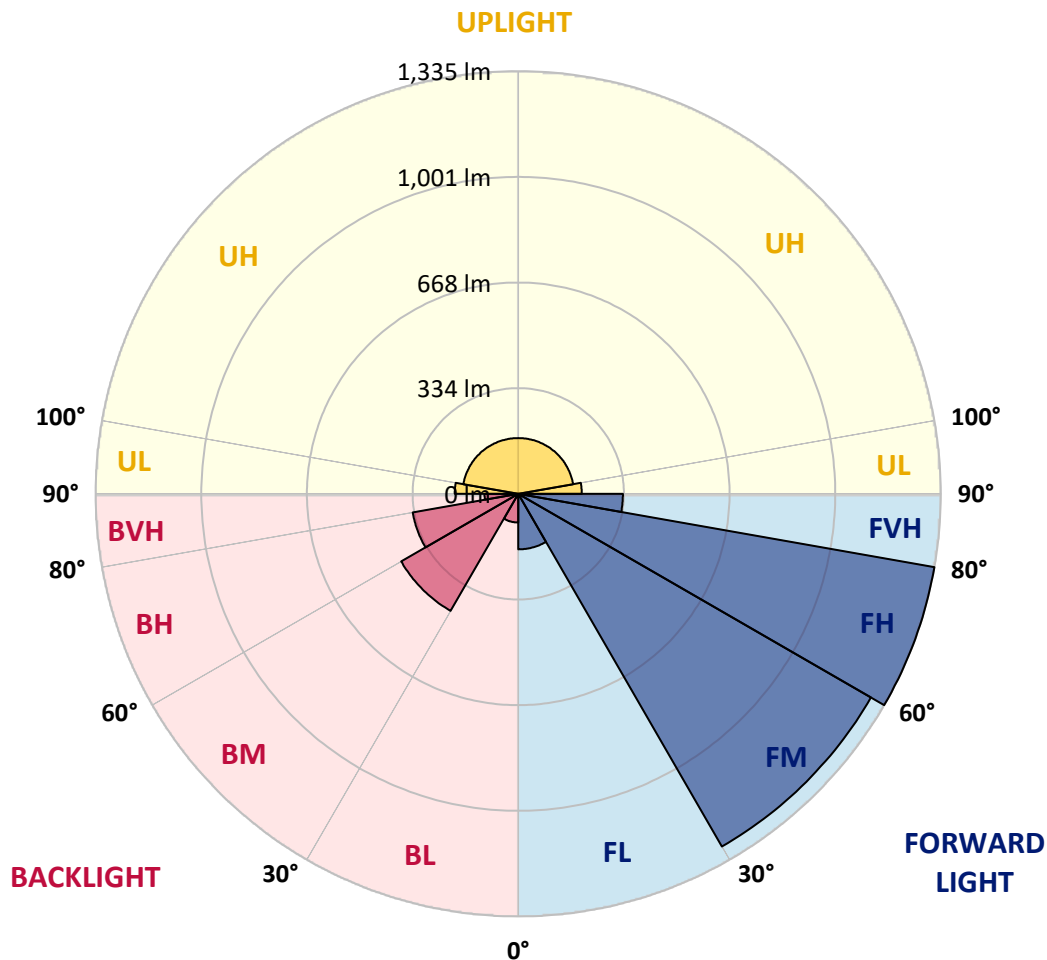


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	175.4	3.9			
FM (30°-60°)	1286.8	28.8			
FH (60°-80°)	1335.3	29.9			G1/1800
FVH (80°-90°)	330.6	7.4			G3/500
BL (0°-30°)	90.7	2.0	B0/110		
BM (30°-60°)	427.2	9.6	B1/1000		
BH (60°-80°)	338.7	7.6	B1/500		G1/500
BVH (80°-90°)	106.7	2.4			G2/225
UL (90°-100°)	200.6	4.5		U3/500	
UH (100°-180°)	176.1	3.9		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°	70°	75°	85°
0°	164.3	164.3	164.3	164.3	164.3	164.3	164.3	164.3	164.3	164.3	164.3
2.5°	179.9	179.9	179.9	178.1	178.1	174.7	174.7	171.2	171.2	169.5	166.0
5°	202.4	202.4	200.6	200.6	197.2	193.7	190.3	185.1	181.6	179.9	174.7
7.5°	228.3	228.3	226.6	223.1	221.4	216.2	209.3	202.4	198.9	195.4	186.8
10°	259.4	259.4	256.0	254.2	250.8	243.9	237.0	226.6	221.4	216.2	204.1
12.5°	295.8	292.3	292.3	287.1	281.9	276.7	268.1	256.0	250.8	243.9	228.3
15°	333.8	333.8	333.8	328.6	321.7	313.1	306.1	294.0	290.6	280.2	262.9
17.5°	378.8	382.2	377.0	370.1	366.7	358.0	349.4	340.7	332.1	321.7	299.2
20°	434.1	432.4	427.2	420.3	415.1	406.5	401.3	385.7	378.8	368.4	335.5
22.5°	487.7	489.5	484.3	473.9	467.0	461.8	453.1	441.0	430.7	418.6	382.2
25°	558.7	556.9	544.8	529.3	522.3	515.4	510.2	498.1	491.2	480.8	434.1
27.5°	629.6	622.6	614.0	600.2	582.9	570.8	567.3	562.1	556.9	539.6	487.7
30°	703.9	697.0	686.6	664.2	639.9	626.1	626.1	633.0	620.9	607.1	548.3
32.5°	783.5	774.9	761.0	733.3	700.5	684.9	691.8	703.9	702.2	681.5	608.8
35°	863.1	861.3	840.6	806.0	764.5	745.4	755.8	780.0	780.0	764.5	674.5
37.5°	940.9	942.6	923.6	880.4	826.7	806.0	821.5	861.3	861.3	849.2	738.5
40°	1039.5	1036.0	1001.4	951.3	892.5	866.5	897.6	949.5	958.2	935.7	809.4
42.5°	1124.2	1117.3	1089.6	1027.4	956.5	925.3	968.6	1039.5	1056.8	1030.8	882.1
45°	1210.7	1202.1	1169.2	1100.0	1020.4	984.1	1044.7	1139.8	1162.3	1138.1	958.2
47.5°	1292.0	1283.3	1253.9	1170.9	1087.9	1055.0	1122.5	1241.8	1269.5	1248.8	1032.6
50°	1366.4	1364.6	1328.3	1241.8	1146.7	1115.6	1203.8	1349.1	1385.4	1354.3	1108.7
52.5°	1430.4	1423.4	1388.8	1305.8	1205.5	1181.3	1286.8	1461.5	1501.3	1470.1	1184.8
55°	1470.1	1466.7	1435.5	1354.3	1259.1	1241.8	1369.8	1563.5	1612.0	1584.3	1255.7
57.5°	1489.2	1484.0	1458.0	1385.4	1298.9	1297.2	1445.9	1669.0	1724.4	1688.1	1328.3
60°	1470.1	1466.7	1449.4	1394.0	1324.9	1340.4	1525.5	1765.9	1824.7	1784.9	1385.4
62.5°	1406.1	1406.1	1404.4	1371.6	1330.0	1376.7	1587.8	1848.9	1907.7	1859.3	1426.9
65°	1305.8	1311.0	1321.4	1314.5	1307.6	1388.8	1629.3	1911.2	1964.8	1907.7	1449.4
67.5°	1164.0	1164.0	1203.8	1219.4	1252.2	1371.6	1648.3	1938.9	1987.3	1921.6	1440.7
70°	1006.6	1006.6	1051.6	1096.6	1169.2	1326.6	1627.5	1923.3	1961.3	1888.7	1402.7
72.5°	842.3	844.0	897.6	959.9	1060.2	1248.8	1572.2	1855.8	1890.4	1803.9	1326.6
75°	681.5	695.3	740.3	821.5	937.4	1145.0	1468.4	1738.2	1759.0	1676.0	1219.4
77.5°	539.6	556.9	610.5	690.1	811.2	1013.5	1328.3	1580.8	1584.3	1504.7	1089.6
80°	427.2	439.3	494.7	569.0	686.6	880.4	1162.3	1385.4	1381.9	1304.1	934.0
82.5°	337.3	345.9	389.2	461.8	574.2	754.1	998.0	1162.3	1174.4	1098.3	783.5
85°	259.4	269.8	309.6	373.6	473.9	627.8	825.0	953.0	958.2	890.7	645.1
87.5°	198.9	209.3	245.6	306.1	390.9	515.4	672.8	773.1	764.5	710.9	510.2
90°	153.9	159.1	195.4	245.6	320.0	425.5	541.4	607.1	607.1	555.2	408.2
92.5°	122.8	124.5	157.4	202.4	264.6	345.9	435.9	477.4	465.3	435.9	321.7
95°	96.9	100.3	126.3	166.0	217.9	283.7	344.2	373.6	363.2	335.5	252.5
97.5°	77.8	81.3	103.8	138.4	181.6	231.8	276.7	290.6	285.4	266.4	200.6
100°	64.0	65.7	84.7	117.6	152.2	192.0	221.4	230.0	219.7	207.5	157.4
102.5°	53.6	55.3	72.6	98.6	129.7	157.4	179.9	183.3	174.7	160.9	126.3
105°	45.0	46.7	60.5	84.7	109.0	133.2	147.0	145.3	136.6	126.3	102.0
107.5°	39.8	39.8	51.9	72.6	95.1	110.7	121.1	117.6	109.0	98.6	83.0
110°	34.6	34.6	43.2	62.3	81.3	95.1	100.3	95.1	86.5	79.6	67.5

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	31.1	31.1	38.1	53.6	69.2	81.3	83.0	76.1	70.9	65.7	55.3
115°	27.7	29.4	32.9	45.0	58.8	69.2	69.2	64.0	58.8	53.6	48.4
117.5°	25.9	25.9	29.4	39.8	51.9	58.8	58.8	53.6	48.4	45.0	41.5
120°	24.2	24.2	27.7	34.6	45.0	50.2	50.2	45.0	41.5	38.1	36.3
122.5°	22.5	22.5	24.2	29.4	38.1	43.2	43.2	38.1	34.6	32.9	31.1
125°	20.8	20.8	22.5	25.9	32.9	36.3	36.3	31.1	29.4	27.7	27.7
127.5°	19.0	19.0	20.8	22.5	27.7	31.1	29.4	25.9	24.2	24.2	24.2
130°	17.3	17.3	19.0	20.8	24.2	25.9	24.2	22.5	20.8	20.8	20.8
132.5°	17.3	17.3	17.3	17.3	19.0	20.8	20.8	19.0	17.3	19.0	19.0
135°	15.6	15.6	15.6	15.6	15.6	17.3	15.6	15.6	15.6	15.6	15.6
137.5°	13.8	13.8	13.8	13.8	13.8	13.8	12.1	12.1	12.1	13.8	13.8
140°	12.1	12.1	12.1	10.4	10.4	10.4	10.4	10.4	10.4	10.4	12.1
142.5°	10.4	10.4	10.4	8.6	8.6	6.9	6.9	6.9	8.6	8.6	10.4
145°	8.6	8.6	8.6	6.9	5.2	5.2	5.2	5.2	6.9	6.9	6.9
147.5°	6.9	6.9	6.9	5.2	3.5	3.5	3.5	3.5	5.2	5.2	5.2
150°	5.2	5.2	5.2	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°	164.3	164.3	164.3	164.3	164.3	164.3	164.3	164.3	164.3	164.3	164.3
2.5°	166.0	164.3	162.6	159.1	157.4	157.4	157.4	155.7	155.7	153.9	153.9
5°	171.2	169.5	162.6	157.4	153.9	150.5	147.0	145.3	143.6	141.8	141.8
7.5°	181.6	178.1	169.5	160.9	153.9	147.0	141.8	138.4	136.6	134.9	134.9
10°	197.2	192.0	178.1	166.0	155.7	147.0	140.1	136.6	133.2	131.4	131.4
12.5°	219.7	212.7	193.7	176.4	162.6	150.5	143.6	138.4	134.9	133.2	133.2
15°	250.8	238.7	214.5	192.0	173.0	157.4	148.7	145.3	143.6	143.6	143.6
17.5°	283.7	266.4	238.7	209.3	186.8	169.5	160.9	157.4	155.7	155.7	155.7
20°	320.0	300.9	262.9	228.3	200.6	185.1	174.7	171.2	169.5	169.5	169.5
22.5°	359.8	339.0	288.8	245.6	217.9	200.6	190.3	185.1	186.8	186.8	186.8
25°	404.7	375.3	316.5	266.4	233.5	216.2	205.8	200.6	204.1	205.8	205.8
27.5°	454.9	415.1	342.5	285.4	250.8	230.0	221.4	217.9	223.1	224.8	226.6
30°	503.3	458.3	368.4	306.1	264.6	243.9	235.2	237.0	240.4	243.9	247.3
32.5°	556.9	498.1	396.1	323.4	278.5	254.2	249.1	254.2	261.2	264.6	266.4
35°	608.8	539.6	416.8	339.0	288.8	264.6	261.2	269.8	278.5	285.4	285.4
37.5°	660.7	577.7	439.3	351.1	297.5	271.5	271.5	283.7	294.0	302.7	302.7
40°	714.3	619.2	458.3	361.5	304.4	278.5	280.2	295.8	309.6	314.8	316.5
42.5°	769.7	653.8	473.9	368.4	307.9	283.7	287.1	306.1	320.0	325.2	326.9
45°	823.3	690.1	486.0	371.9	311.3	285.4	290.6	313.1	326.9	332.1	332.1
47.5°	873.4	721.2	494.7	373.6	311.3	285.4	294.0	316.5	332.1	333.8	333.8
50°	927.1	752.4	501.6	373.6	309.6	285.4	294.0	318.2	332.1	332.1	332.1
52.5°	978.9	780.0	505.0	370.1	306.1	283.7	292.3	316.5	330.3	326.9	326.9
55°	1027.4	802.5	503.3	364.9	300.9	278.5	288.8	313.1	325.2	320.0	320.0
57.5°	1067.1	821.5	499.8	358.0	295.8	273.3	283.7	307.9	318.2	311.3	309.6
60°	1101.7	833.7	492.9	349.4	287.1	266.4	278.5	300.9	309.6	300.9	299.2
62.5°	1120.8	838.8	482.6	337.3	280.2	259.4	269.8	292.3	299.2	288.8	288.8
65°	1127.7	831.9	467.0	325.2	269.8	252.5	261.2	281.9	287.1	278.5	276.7
67.5°	1110.4	812.9	448.0	313.1	259.4	242.1	250.8	269.8	275.0	266.4	264.6
70°	1074.1	776.6	423.7	295.8	247.3	231.8	238.7	254.2	261.2	254.2	252.5
72.5°	1006.6	731.6	396.1	278.5	233.5	219.7	226.6	240.4	247.3	240.4	238.7
75°	927.1	672.8	364.9	259.4	219.7	207.5	212.7	223.1	230.0	226.6	223.1
77.5°	821.5	601.9	332.1	240.4	205.8	193.7	197.2	207.5	212.7	209.3	209.3
80°	710.9	524.1	299.2	219.7	192.0	181.6	181.6	190.3	195.4	193.7	190.3
82.5°	603.6	448.0	264.6	198.9	174.7	166.0	167.8	171.2	178.1	174.7	173.0
85°	496.4	380.5	231.8	179.9	159.1	152.2	152.2	153.9	159.1	157.4	155.7
87.5°	406.5	313.1	202.4	159.1	143.6	138.4	134.9	138.4	138.4	138.4	134.9
90°	330.3	259.4	174.7	141.8	131.4	124.5	121.1	121.1	121.1	119.3	117.6
92.5°	262.9	214.5	152.2	126.3	117.6	112.4	109.0	107.2	105.5	102.0	102.0
95°	216.2	176.4	131.4	110.7	105.5	100.3	96.9	95.1	91.7	88.2	86.5
97.5°	171.2	147.0	112.4	98.6	93.4	89.9	86.5	83.0	77.8	74.4	72.6
100°	136.6	119.3	96.9	86.5	83.0	79.6	76.1	72.6	67.5	62.3	60.5
102.5°	112.4	100.3	83.0	77.8	74.4	70.9	69.2	64.0	57.1	51.9	51.9
105°	91.7	83.0	72.6	67.5	65.7	64.0	60.5	55.3	48.4	43.2	43.2
107.5°	76.1	70.9	62.3	60.5	58.8	57.1	53.6	48.4	41.5	36.3	36.3
110°	64.0	58.8	53.6	51.9	51.9	50.2	48.4	41.5	36.3	31.1	31.1

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 CATALOG NUMBER: LXF.LXT-PA16-50-727-U-SL3-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	53.6	50.2	48.4	46.7	46.7	45.0	43.2	36.3	31.1	27.7	27.7
115°	45.0	43.2	41.5	41.5	41.5	39.8	38.1	32.9	25.9	24.2	24.2
117.5°	39.8	38.1	36.3	36.3	36.3	36.3	32.9	27.7	22.5	20.8	20.8
120°	34.6	34.6	32.9	32.9	32.9	31.1	29.4	24.2	19.0	19.0	19.0
122.5°	31.1	29.4	29.4	29.4	29.4	27.7	24.2	20.8	17.3	17.3	17.3
125°	27.7	25.9	25.9	25.9	25.9	24.2	20.8	17.3	15.6	15.6	15.6
127.5°	24.2	24.2	22.5	22.5	22.5	20.8	19.0	15.6	13.8	13.8	13.8
130°	20.8	20.8	20.8	20.8	19.0	17.3	15.6	13.8	12.1	12.1	12.1
132.5°	19.0	19.0	17.3	17.3	17.3	15.6	13.8	12.1	10.4	12.1	12.1
135°	15.6	15.6	15.6	15.6	13.8	12.1	12.1	10.4	10.4	10.4	10.4
137.5°	13.8	13.8	13.8	12.1	12.1	10.4	10.4	8.6	8.6	8.6	10.4
140°	12.1	12.1	10.4	10.4	8.6	8.6	8.6	6.9	8.6	8.6	8.6
142.5°	10.4	10.4	8.6	8.6	6.9	6.9	6.9	6.9	6.9	6.9	6.9
145°	6.9	6.9	6.9	6.9	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	1.7	1.7	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)