

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: P695317

Luminaire Tested: **LXF.LXT-PA16-50-727-U-T2U-CL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695317
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-13)
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-T2U-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 980mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5112 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 II - Short
BUG Rating: B2 - U3 - G2

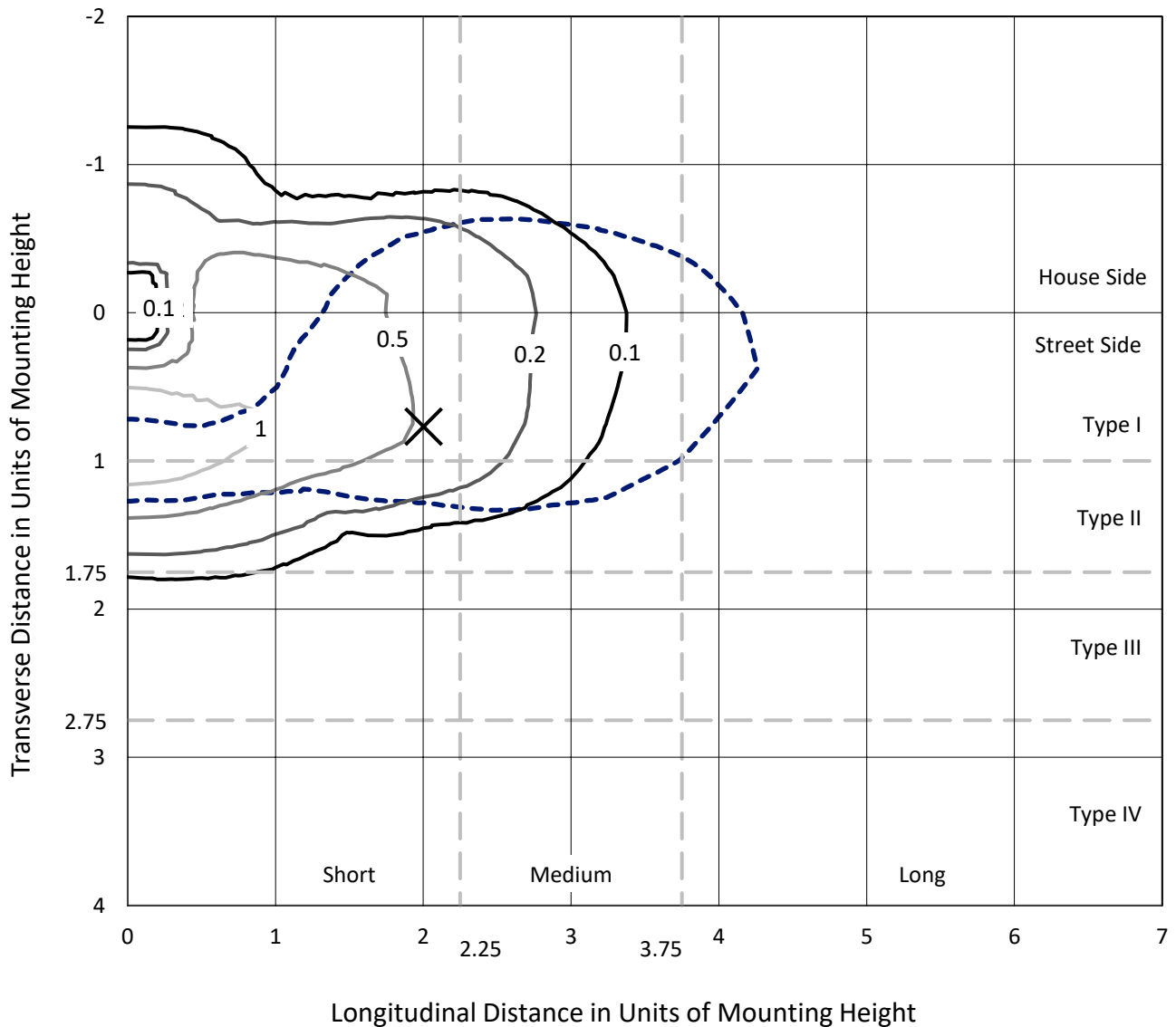
Input Watts (W): 53.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

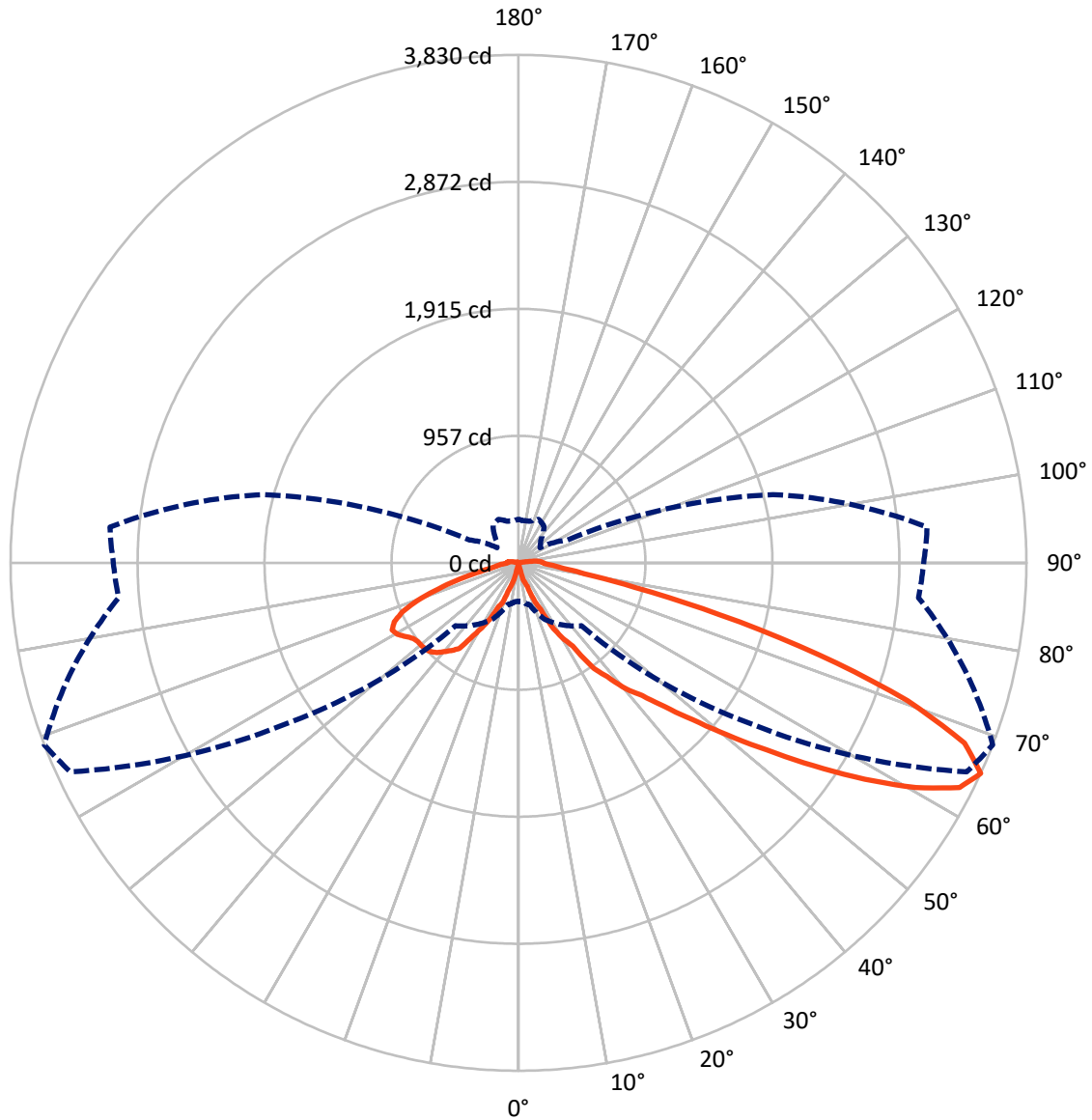
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 69-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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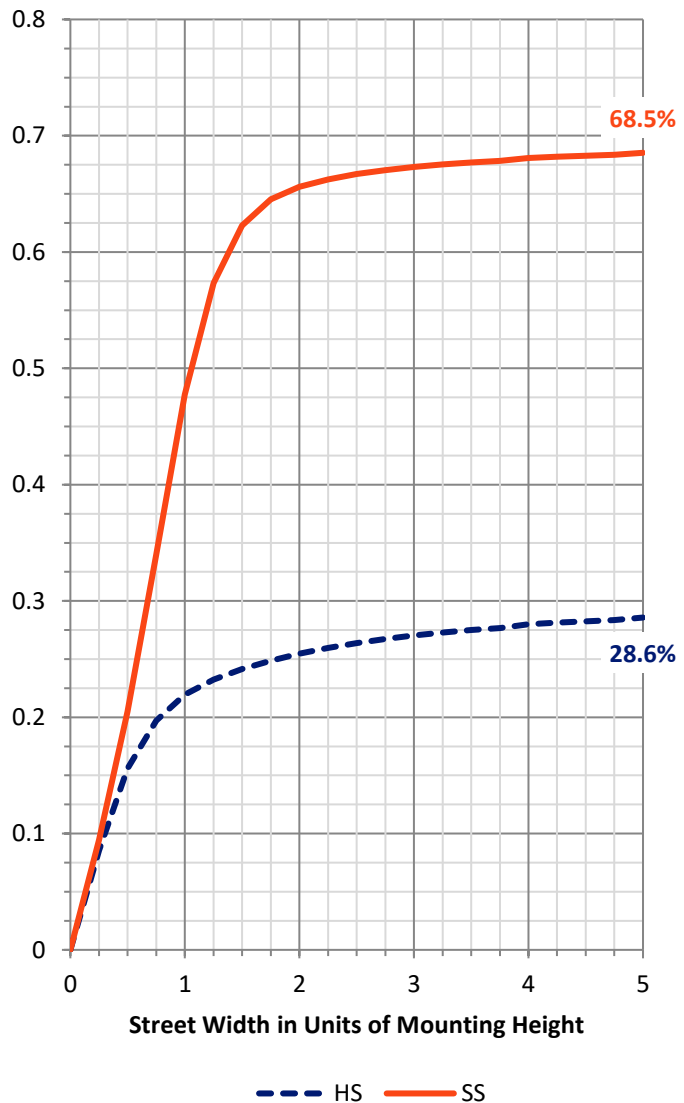
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1498.6	43.9	1542.5
	% Fixture	29.3	0.9	30.2
Street Side	Lumens	3531.5	38.0	3569.5
	% Fixture	69.1	0.7	69.8
Total	Lumens	5030.1	81.8	5112.0
	% Fixture	98.4	1.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.4	0.0
10°-20°	30.9	0.6
20°-30°	196.8	3.9
30°-40°	540.2	10.6
40°-50°	963.1	18.8
50°-60°	1250.1	24.5
60°-70°	1195.4	23.4
70°-80°	689.0	13.5
80°-90°	164.3	3.2
90°-100°	58.0	1.1
100°-110°	10.5	0.2
110°-120°	5.0	0.1
120°-130°	4.1	0.1
130°-140°	2.4	0.0
140°-150°	1.6	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5030.1	98.4
0°-180°	5112.0	100.0

Coefficient of Utilization



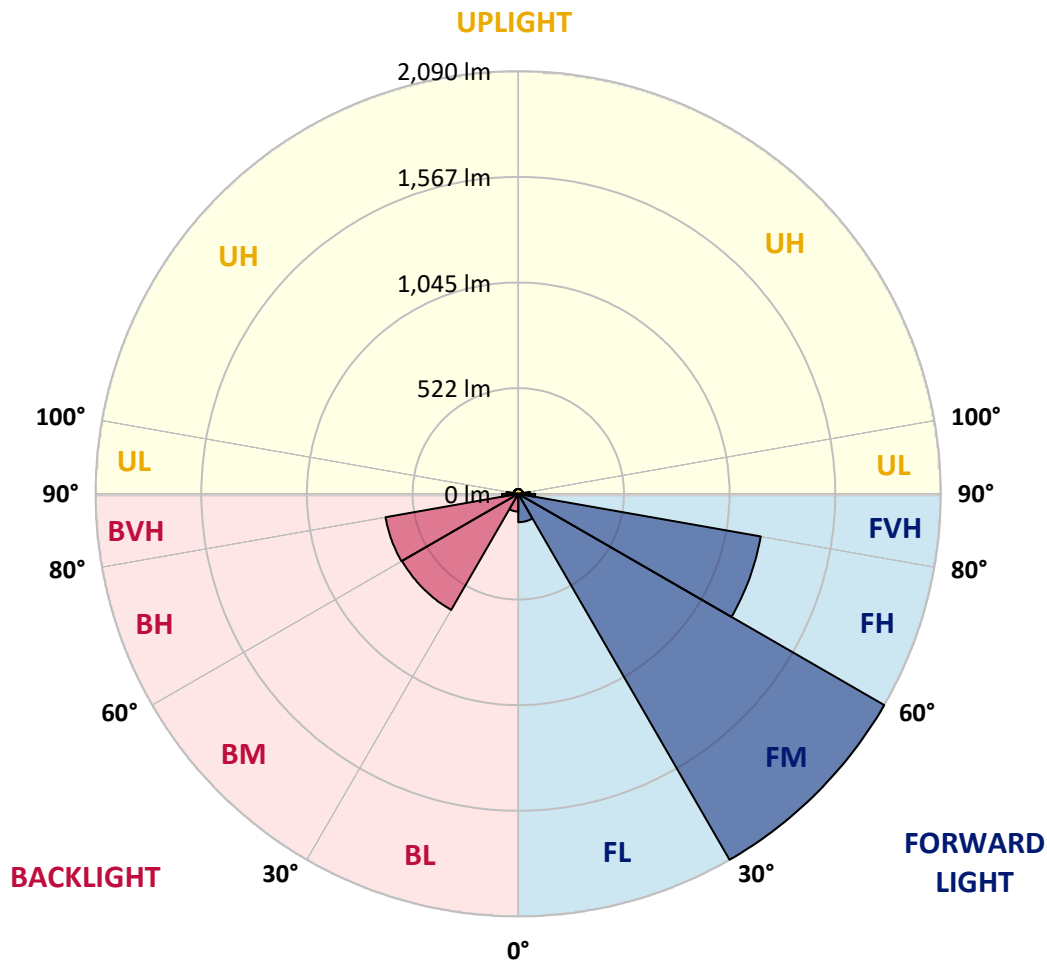
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	140.4	2.7			
FM (30°-60°)	2090.0	40.9			
FH (60°-80°)	1217.5	23.8			G1/1800
FVH (80°-90°)	83.7	1.6			G1/100
BL (0°-30°)	87.7	1.7	B0/110		
BM (30°-60°)	663.4	13.0	B1/1000		
BH (60°-80°)	666.8	13.0	B2/1000		G2/1000
BVH (80°-90°)	80.6	1.6			G1/100
UL (90°-100°)	58.0	1.1		U3/500	
UH (100°-180°)	23.8	0.5		U2/50	

BUG Rating: B2-U3-G2

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	69°	75°	85°
0°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
2.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	1.7	1.7
5°	3.5	3.5	3.5	5.2	3.5	3.5	3.5	3.5	3.5	1.7	1.7
7.5°	6.9	5.2	5.2	5.2	5.2	3.5	3.5	3.5	3.5	1.7	1.7
10°	29.4	24.2	19.0	13.8	8.6	5.2	5.2	3.5	3.5	3.5	3.5
12.5°	128.0	122.8	121.1	114.2	38.1	13.8	8.6	13.8	17.3	24.2	29.4
15°	150.5	148.8	145.3	134.9	128.0	95.1	31.1	117.6	128.0	134.9	136.7
17.5°	275.0	250.8	193.7	167.8	148.8	136.7	129.7	150.5	154.0	157.4	162.6
20°	371.9	371.9	356.3	313.1	190.3	226.6	223.1	179.9	188.5	233.5	294.1
22.5°	465.3	460.1	430.7	397.9	390.9	271.6	259.5	314.8	320.0	349.4	349.4
25°	766.3	766.3	679.8	501.6	468.8	394.4	399.6	403.0	390.9	397.9	415.2
27.5°	909.9	897.8	864.9	764.6	581.2	548.4	474.0	472.2	562.2	581.2	593.3
30°	1300.8	1295.6	1110.5	901.2	785.3	634.8	647.0	660.8	660.8	662.5	643.5
32.5°	1572.4	1579.3	1484.2	1198.8	922.0	780.1	783.6	731.7	749.0	868.4	877.0
35°	1837.1	1850.9	1719.4	1458.2	1190.1	967.0	877.0	941.0	977.3	975.6	953.1
37.5°	2105.2	2094.8	1978.9	1684.8	1394.2	1112.3	1069.0	1107.1	1089.8	1112.3	1041.3
40°	2293.7	2292.0	2188.2	1923.6	1601.8	1312.9	1205.7	1240.3	1252.4	1243.7	1152.1
42.5°	2423.5	2411.4	2368.1	2169.2	1873.4	1579.3	1385.6	1409.8	1368.3	1401.2	1285.3
45°	2477.1	2461.5	2454.6	2304.1	2108.6	1985.8	1641.6	1593.2	1546.5	1612.2	1440.9
47.5°	2404.4	2383.7	2423.5	2376.8	2293.7	2271.2	1940.9	1773.1	1766.1	1816.3	1634.7
50°	2169.2	2132.9	2240.1	2323.1	2382.0	2468.4	2276.4	2060.2	2037.7	2041.2	1816.3
52.5°	1795.5	1797.3	1925.3	2075.8	2347.4	2503.0	2598.2	2421.7	2343.9	2305.8	1999.7
55°	1434.0	1446.1	1543.0	1676.2	2061.9	2468.4	2843.8	2830.0	2698.5	2561.9	2195.1
57.5°	1031.0	1056.9	1205.7	1297.4	1669.3	2226.3	2966.6	3193.2	3079.1	2826.5	2404.4
60°	589.9	621.0	783.6	991.2	1278.3	1774.8	2906.1	3566.9	3442.3	3105.0	2613.8
62.5°	375.4	384.0	454.9	672.9	835.5	1167.6	2650.1	3793.5	3731.2	3361.0	2840.4
65°	290.6	294.1	328.7	470.5	570.8	671.2	2084.4	3729.5	3829.8	3537.5	3027.2
67.5°	266.4	266.4	276.8	337.3	432.5	423.8	1347.5	3340.3	3627.4	3561.7	3089.5
70°	249.1	252.6	264.7	273.3	340.8	320.0	724.8	2643.2	3113.7	3324.7	3068.7
72.5°	218.0	221.4	237.0	259.5	264.7	259.5	404.8	1757.5	2366.4	2791.9	2900.9
75°	185.1	186.8	197.2	233.5	231.8	209.3	335.6	1050.0	1567.2	2048.1	2459.8
77.5°	152.2	157.4	169.5	188.5	211.0	166.1	299.3	617.5	894.3	1288.7	1705.6
80°	112.4	115.9	128.0	155.7	169.5	143.6	247.4	401.3	501.6	667.7	821.7
82.5°	81.3	83.0	93.4	112.4	121.1	122.8	193.7	323.5	344.2	368.5	370.2
85°	50.2	48.4	50.2	58.8	74.4	79.6	140.1	257.7	259.5	250.8	247.4
87.5°	22.5	22.5	17.3	20.8	24.2	24.2	72.7	204.1	204.1	193.7	200.7
90°	24.2	24.2	17.3	17.3	19.0	17.3	41.5	173.0	183.4	183.4	202.4
92.5°	25.9	24.2	19.0	17.3	17.3	15.6	25.9	138.4	166.1	183.4	209.3
95°	24.2	24.2	17.3	15.6	15.6	13.8	20.8	95.1	133.2	148.8	178.2
97.5°	17.3	17.3	12.1	12.1	13.8	12.1	15.6	39.8	51.9	67.5	90.0
100°	12.1	12.1	8.6	8.6	8.6	8.6	10.4	17.3	20.8	17.3	20.8
102.5°	10.4	12.1	6.9	6.9	6.9	5.2	6.9	8.6	10.4	12.1	15.6
105°	10.4	10.4	5.2	5.2	5.2	5.2	3.5	6.9	6.9	8.6	15.6
107.5°	6.9	6.9	5.2	5.2	3.5	3.5	3.5	5.2	6.9	8.6	15.6
110°	5.2	5.2	3.5	3.5	3.5	3.5	3.5	5.2	6.9	6.9	12.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	69°	75°	85°
112.5°	3.5	3.5	3.5	1.7	1.7	3.5	3.5	5.2	5.2	5.2	8.6
115°	3.5	3.5	1.7	1.7	1.7	1.7	3.5	3.5	5.2	5.2	8.6
117.5°	3.5	3.5	1.7	1.7	1.7	1.7	1.7	3.5	3.5	5.2	8.6
120°	5.2	3.5	1.7	1.7	1.7	1.7	1.7	3.5	3.5	5.2	8.6
122.5°	5.2	5.2	1.7	1.7	1.7	1.7	1.7	3.5	3.5	5.2	8.6
125°	5.2	5.2	3.5	1.7	1.7	1.7	1.7	3.5	3.5	5.2	6.9
127.5°	3.5	3.5	1.7	1.7	1.7	1.7	1.7	1.7	3.5	3.5	6.9
130°	3.5	3.5	1.7	1.7	1.7	1.7	1.7	1.7	3.5	3.5	6.9
132.5°	3.5	3.5	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.5	5.2
135°	3.5	3.5	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.5
137.5°	3.5	3.5	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.5
140°	3.5	3.5	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
142.5°	3.5	3.5	3.5	3.5	1.7	1.7	1.7	1.7	1.7	1.7	1.7
145°	3.5	5.2	3.5	3.5	3.5	1.7	1.7	1.7	1.7	1.7	1.7
147.5°	5.2	5.2	5.2	3.5	1.7	1.7	1.7	1.7	1.7	1.7	1.7
150°	5.2	5.2	5.2	3.5	1.7	1.7	1.7	1.7	1.7	1.7	1.7
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°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
2.5°	1.7	1.7	1.7	1.7	3.5	3.5	3.5	3.5	3.5	3.5	3.5
5°	1.7	1.7	1.7	1.7	1.7	3.5	3.5	3.5	3.5	3.5	3.5
7.5°	1.7	1.7	1.7	1.7	1.7	3.5	3.5	3.5	3.5	3.5	3.5
10°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
12.5°	27.7	25.9	22.5	12.1	5.2	3.5	3.5	3.5	5.2	6.9	6.9
15°	140.1	141.8	138.4	124.5	31.1	8.6	5.2	15.6	58.8	102.1	70.9
17.5°	162.6	164.3	160.9	157.4	143.6	64.0	41.5	136.7	141.8	152.2	148.8
20°	299.3	295.8	247.4	183.4	166.1	154.0	129.7	157.4	166.1	169.5	169.5
22.5°	347.7	346.0	339.0	320.0	197.2	230.1	205.8	173.0	283.7	297.5	295.8
25°	403.0	392.7	373.6	356.3	340.8	252.6	254.3	275.0	290.6	292.3	292.3
27.5°	577.8	563.9	532.8	442.8	399.6	314.8	318.3	282.0	283.7	340.8	351.2
30°	627.9	605.4	572.6	555.3	460.1	370.2	304.4	323.5	333.9	332.1	335.6
32.5°	837.2	804.4	690.2	621.0	506.8	358.1	318.3	313.1	313.1	340.8	344.2
35°	903.0	854.5	792.3	775.0	515.5	351.2	301.0	306.2	346.0	351.2	349.4
37.5°	980.8	913.3	851.1	809.6	539.7	325.2	285.4	307.9	320.0	320.0	318.3
40°	1067.3	999.8	935.8	819.9	513.8	299.3	287.1	292.3	301.0	295.8	294.1
42.5°	1193.6	1103.6	1046.5	819.9	448.0	283.7	280.2	280.2	287.1	282.0	280.2
45°	1347.5	1243.7	1139.9	807.8	380.6	275.0	276.8	275.0	282.0	275.0	273.3
47.5°	1510.1	1402.9	1224.7	778.4	328.7	268.1	282.0	273.3	275.0	264.7	262.9
50°	1695.2	1579.3	1312.9	726.5	299.3	268.1	280.2	275.0	269.9	259.5	257.7
52.5°	1882.0	1764.4	1416.7	662.5	278.5	262.9	282.0	280.2	273.3	257.7	257.7
55°	2074.0	1992.7	1536.1	607.2	256.0	261.2	290.6	290.6	276.8	256.0	254.3
57.5°	2279.9	2224.5	1667.5	586.4	235.3	250.8	304.4	307.9	282.0	254.3	254.3
60°	2520.3	2542.8	1807.7	562.2	221.4	242.2	311.4	323.5	288.9	254.3	254.3
62.5°	2819.6	2883.6	1939.1	506.8	209.3	230.1	318.3	340.8	309.6	283.7	285.4
65°	3054.9	3092.9	1985.8	406.5	197.2	235.3	335.6	361.5	323.5	320.0	328.7
67.5°	3184.6	3167.3	1914.9	309.6	183.4	231.8	330.4	375.4	339.0	347.7	352.9
70°	3181.1	3054.9	1679.7	238.7	171.3	228.3	335.6	370.2	347.7	371.9	387.5
72.5°	2959.7	2672.6	1273.1	207.6	171.3	224.9	326.9	356.3	349.4	373.6	385.7
75°	2378.5	2030.8	873.6	181.6	162.6	214.5	311.4	332.1	318.3	339.0	346.0
77.5°	1575.9	1335.4	487.8	164.3	160.9	197.2	283.7	294.1	278.5	292.3	297.5
80°	738.6	615.8	271.6	152.2	155.7	174.7	233.5	249.1	224.9	238.7	238.7
82.5°	339.0	313.1	205.8	138.4	140.1	133.2	181.6	205.8	183.4	190.3	183.4
85°	228.3	230.1	164.3	117.6	114.2	95.1	143.6	159.1	138.4	143.6	121.1
87.5°	198.9	204.1	131.5	76.1	65.7	58.8	93.4	96.9	70.9	58.8	57.1
90°	204.1	205.8	121.1	57.1	39.8	31.1	50.2	48.4	31.1	27.7	27.7
92.5°	211.0	211.0	122.8	60.5	39.8	29.4	45.0	36.3	27.7	24.2	24.2
95°	192.0	181.6	107.2	60.5	38.1	25.9	36.3	31.1	24.2	24.2	22.5
97.5°	117.6	107.2	79.6	60.5	31.1	22.5	27.7	24.2	17.3	15.6	15.6
100°	32.9	27.7	50.2	48.4	22.5	15.6	19.0	15.6	10.4	8.6	6.9
102.5°	15.6	15.6	25.9	31.1	12.1	8.6	10.4	10.4	8.6	8.6	6.9
105°	15.6	15.6	12.1	13.8	6.9	5.2	5.2	6.9	6.9	8.6	8.6
107.5°	15.6	17.3	10.4	6.9	6.9	5.2	3.5	5.2	6.9	8.6	10.4
110°	13.8	13.8	8.6	6.9	5.2	5.2	3.5	5.2	6.9	10.4	10.4

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 CATALOG NUMBER: LXF.LXT-PA16-50-727-U-T2U-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	10.4	10.4	6.9	6.9	5.2	5.2	3.5	3.5	6.9	10.4	12.1
115°	8.6	8.6	6.9	5.2	3.5	3.5	3.5	3.5	6.9	12.1	13.8
117.5°	8.6	8.6	5.2	3.5	3.5	3.5	3.5	3.5	6.9	13.8	13.8
120°	8.6	8.6	5.2	3.5	3.5	3.5	3.5	5.2	8.6	13.8	15.6
122.5°	8.6	8.6	5.2	3.5	3.5	3.5	3.5	5.2	8.6	13.8	15.6
125°	8.6	8.6	5.2	3.5	3.5	3.5	3.5	5.2	8.6	13.8	13.8
127.5°	6.9	6.9	5.2	3.5	3.5	3.5	3.5	3.5	6.9	12.1	13.8
130°	6.9	6.9	5.2	3.5	3.5	3.5	3.5	3.5	6.9	12.1	12.1
132.5°	5.2	5.2	3.5	3.5	3.5	1.7	3.5	3.5	6.9	10.4	10.4
135°	3.5	3.5	3.5	1.7	1.7	1.7	3.5	3.5	5.2	6.9	8.6
137.5°	3.5	3.5	1.7	1.7	3.5	3.5	3.5	3.5	5.2	5.2	5.2
140°	1.7	1.7	1.7	1.7	3.5	3.5	3.5	3.5	3.5	5.2	5.2
142.5°	1.7	1.7	1.7	1.7	3.5	1.7	3.5	3.5	3.5	5.2	5.2
145°	1.7	1.7	1.7	1.7	1.7	1.7	3.5	3.5	3.5	5.2	5.2
147.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.5	5.2	5.2	5.2
150°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.5	3.5	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)