

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: P695312

Luminaire Tested: **LXF.LXT-PA16-50-727-U-T2R-CL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695312
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-8)
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-T2R-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 980mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY
OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4871.1 lumens
Efficiency: N/A
Efficacy: 91.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Medium
BUG Rating: B1 - U3 - G2

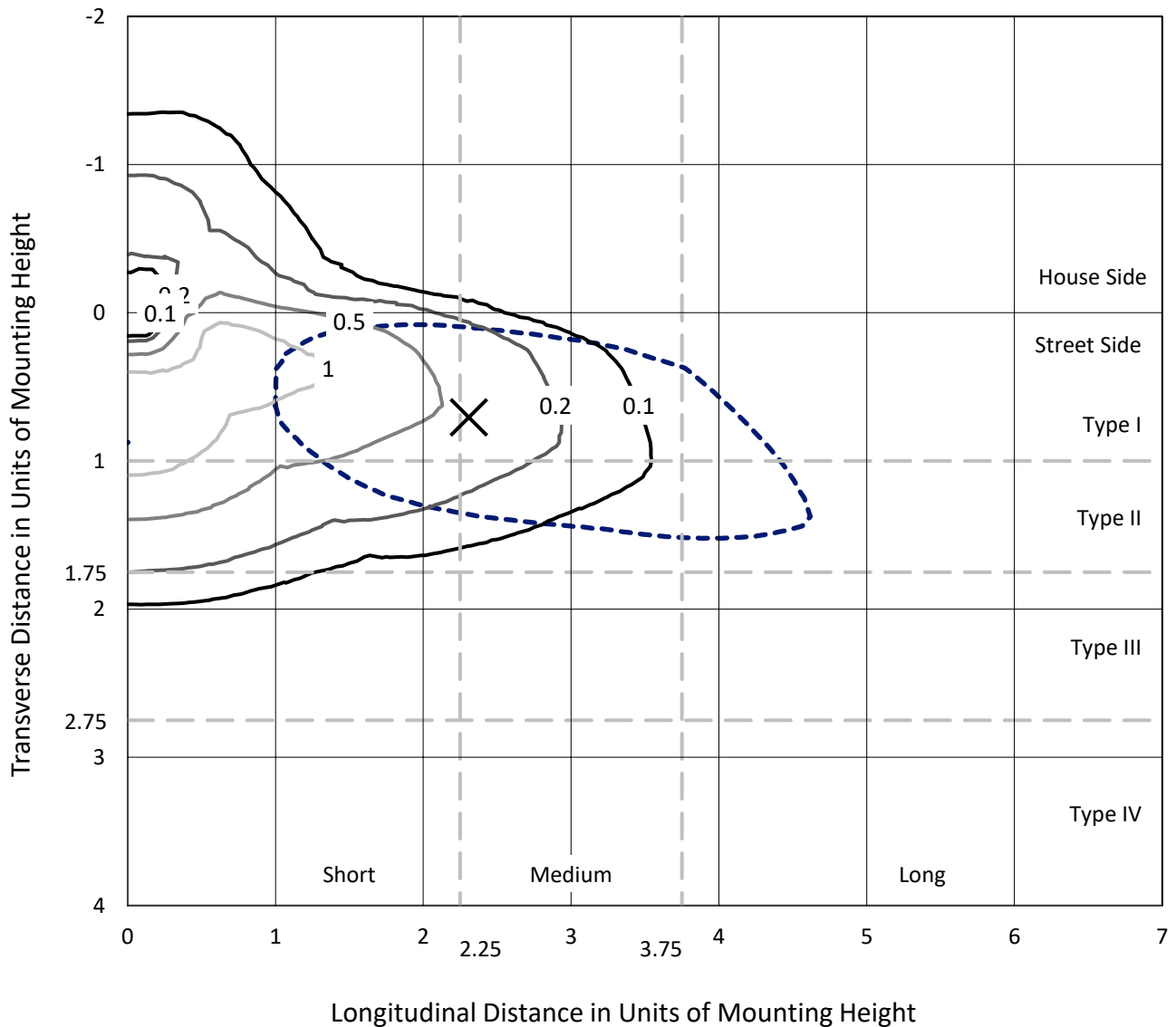
Input Watts (W): 53.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

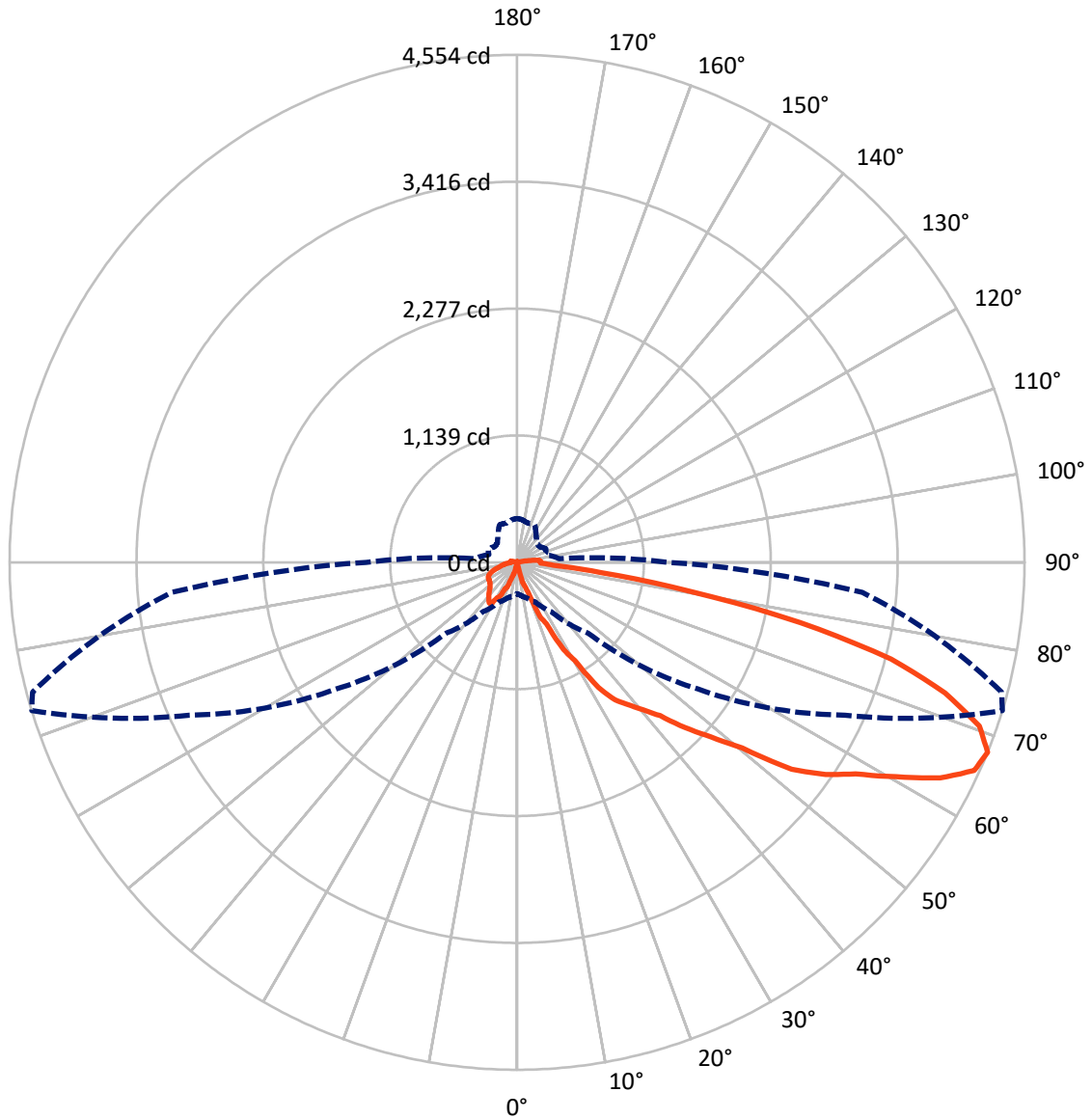
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 73-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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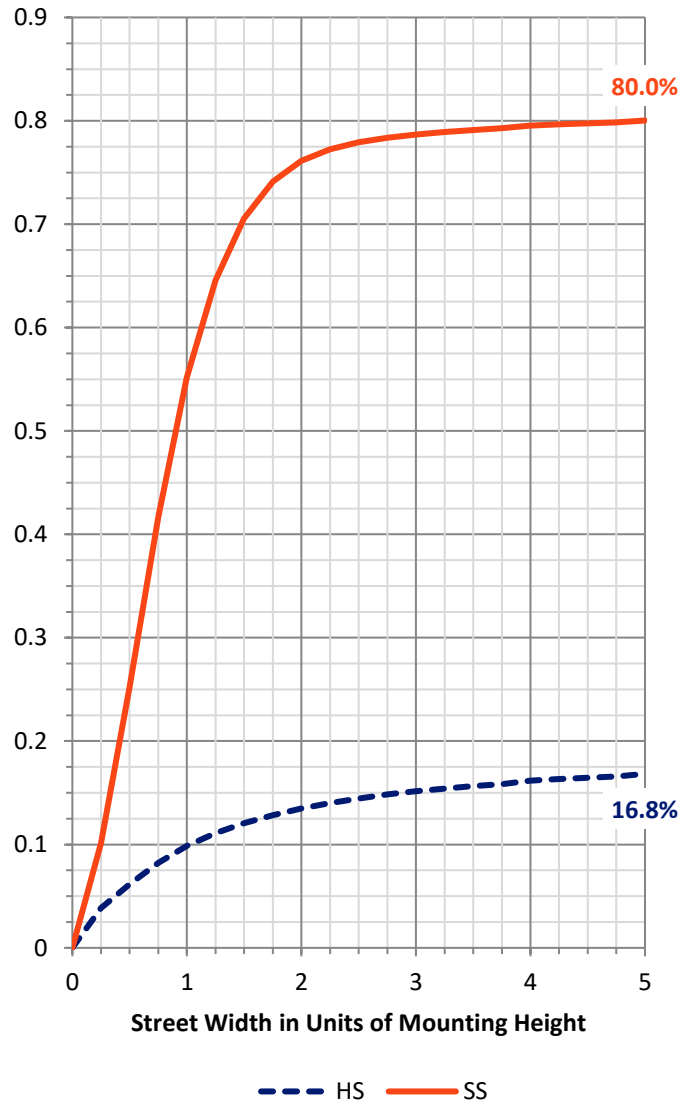
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	861.1	36.7	897.7
	% Fixture	17.7	0.8	18.4
Street Side	Lumens	3928.2	45.1	3973.3
	% Fixture	80.6	0.9	81.6
Total	Lumens	4789.3	81.7	4871.1
	% Fixture	98.3	1.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.5	0.0
10°-20°	39.4	0.8
20°-30°	243.8	5.0
30°-40°	613.3	12.6
40°-50°	885.7	18.2
50°-60°	1083.2	22.2
60°-70°	1067.9	21.9
70°-80°	671.8	13.8
80°-90°	183.7	3.8
90°-100°	53.4	1.1
100°-110°	11.5	0.2
110°-120°	5.9	0.1
120°-130°	4.9	0.1
130°-140°	3.4	0.1
140°-150°	2.5	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4789.3	98.3
0°-180°	4871.1	100.0

Coefficient of Utilization

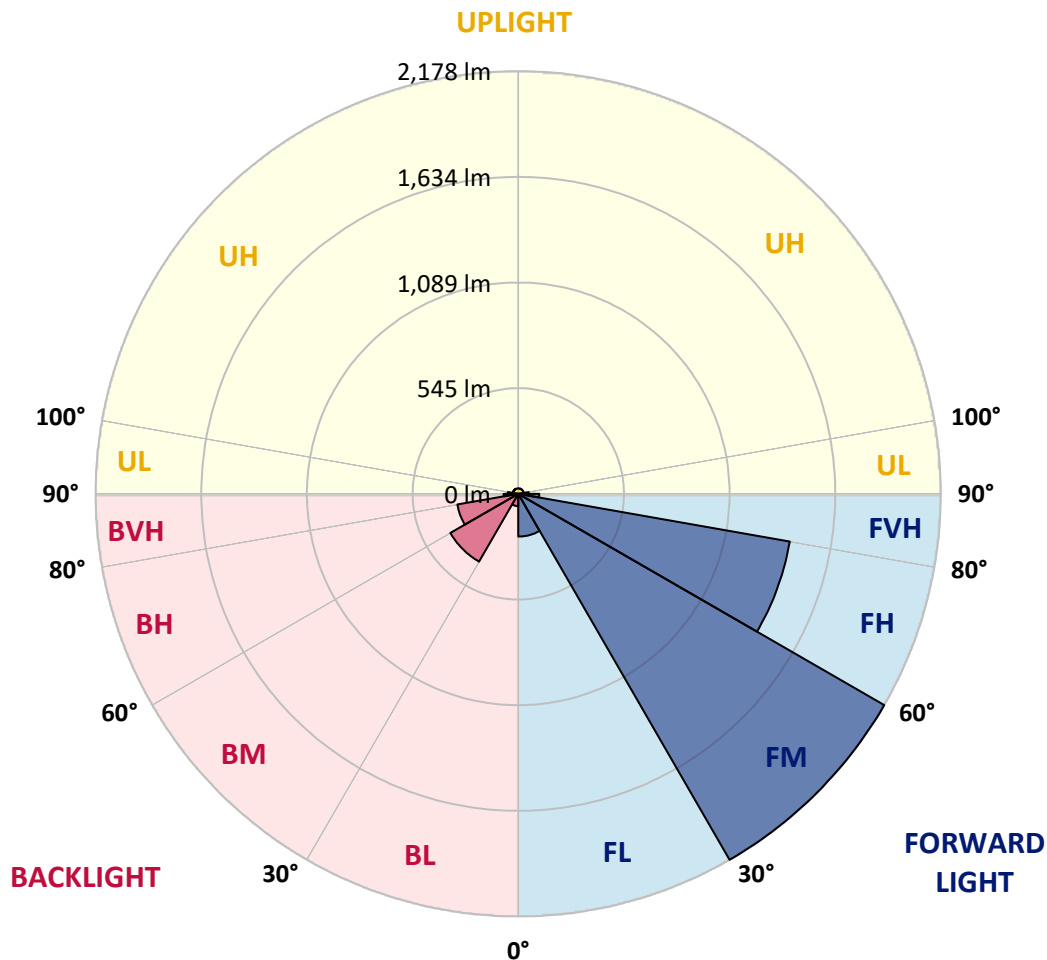


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	220.4	4.5			
FM (30°-60°)	2178.3	44.7			
FH (60°-80°)	1421.3	29.2			G1/1800
FVH (80°-90°)	108.2	2.2			G2/225
BL (0°-30°)	63.2	1.3	B0/110		
BM (30°-60°)	403.9	8.3	B1/1000		
BH (60°-80°)	318.5	6.5	B1/500		G1/500
BVH (80°-90°)	75.5	1.5			G1/100
UL (90°-100°)	53.4	1.1		U3/500	
UH (100°-180°)	28.3	0.6		U2/50	

BUG Rating: B1-U3-G2
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	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°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	3.5	3.5	3.5
5°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	3.5	3.5	3.5
7.5°	6.9	8.6	6.9	6.9	6.9	6.9	6.9	5.2	3.5	3.5	3.5
10°	29.4	27.7	19.0	17.3	10.4	8.6	6.9	5.2	5.2	5.2	5.2
12.5°	231.8	230.1	224.9	202.4	34.6	17.3	10.4	13.8	19.0	22.5	25.9
15°	266.4	269.8	264.6	259.5	250.8	83.0	36.3	200.6	186.8	179.9	138.4
17.5°	480.9	359.8	316.5	309.6	290.6	243.9	221.4	245.6	223.1	216.2	167.8
20°	660.7	657.3	645.2	622.7	349.4	444.5	425.5	288.9	292.3	309.6	330.4
22.5°	738.6	735.1	719.6	695.3	726.5	512.0	482.6	536.2	531.0	515.5	399.6
25°	1210.8	1195.2	1110.5	809.5	811.2	714.4	740.3	690.2	608.9	593.3	465.3
27.5°	1312.8	1321.5	1300.7	1181.4	928.8	951.3	813.0	793.9	885.6	911.6	704.0
30°	1755.6	1797.2	1598.2	1347.4	1217.7	1039.5	996.3	1089.7	1024.0	994.6	769.7
32.5°	2051.4	2032.4	1994.3	1681.3	1382.0	1245.4	1243.7	1202.1	1340.5	1337.1	1081.1
35°	2169.0	2153.5	2115.4	1842.1	1589.6	1461.6	1352.6	1494.5	1516.9	1459.9	1153.7
37.5°	2257.3	2240.0	2195.0	1900.9	1755.6	1549.8	1594.8	1601.7	1622.5	1610.4	1217.7
40°	2262.4	2252.1	2220.9	1984.0	1847.3	1619.0	1728.0	1743.5	1738.3	1769.5	1299.0
42.5°	2243.4	2222.7	2203.6	1999.5	1895.8	1672.6	1830.0	1920.0	1881.9	1926.9	1394.1
45°	2169.0	2144.8	2136.2	1999.5	1888.8	1708.9	1949.4	2086.0	2115.4	2075.6	1497.9
47.5°	2042.8	2037.6	2041.0	1952.8	1881.9	1750.5	2063.5	2212.3	2340.3	2278.0	1650.1
50°	1914.8	1923.4	1947.6	1899.2	1861.2	1774.7	2208.8	2430.2	2618.8	2534.0	1878.5
52.5°	1712.4	1724.5	1793.7	1812.7	1802.3	1772.9	2321.3	2724.3	3085.8	2968.2	2115.4
55°	1527.3	1534.2	1580.9	1650.1	1689.9	1736.6	2366.2	2854.0	3360.8	3227.6	2269.4
57.5°	1316.3	1302.5	1363.0	1463.3	1553.3	1686.5	2412.9	2956.1	3582.2	3509.6	2470.0
60°	1065.5	1036.1	1124.3	1217.7	1354.4	1582.7	2442.3	3132.5	3907.4	3865.9	2762.3
62.5°	717.8	731.7	819.9	946.1	1136.4	1408.0	2409.5	3293.3	4260.3	4236.0	3006.2
65°	451.5	470.5	527.6	636.5	830.3	1184.8	2271.1	3369.5	4505.9	4464.4	3146.3
67.5°	281.9	294.0	330.4	396.1	544.9	897.7	1984.0	3246.6	4554.3	4500.7	3111.7
70°	233.5	237.0	242.2	257.7	335.6	621.0	1577.5	2928.4	4400.4	4409.0	2968.2
72.5°	209.3	212.8	212.8	211.0	216.2	389.2	1124.3	2483.8	4016.4	4016.4	2682.8
75°	192.0	193.7	188.5	186.8	183.3	242.2	686.7	1968.4	3468.0	3402.3	2241.7
77.5°	169.5	173.0	167.8	167.8	166.1	185.1	397.8	1501.4	2598.0	2487.3	1511.8
80°	145.3	145.3	145.3	145.3	147.0	147.0	249.1	1030.9	1565.4	1442.6	816.4
82.5°	115.9	114.2	117.6	124.5	121.1	112.4	192.0	600.2	759.3	688.4	403.0
85°	45.0	55.4	64.0	77.8	81.3	77.8	147.0	295.8	323.5	345.9	249.1
87.5°	25.9	25.9	20.8	20.8	22.5	31.1	91.7	178.2	209.3	235.2	219.7
90°	27.7	27.7	20.8	19.0	19.0	25.9	79.6	162.6	212.8	237.0	223.1
92.5°	29.4	29.4	20.8	19.0	19.0	20.8	65.7	145.3	211.0	242.2	217.9
95°	25.9	27.7	19.0	17.3	19.0	19.0	48.4	115.9	195.5	198.9	204.1
97.5°	17.3	19.0	12.1	13.8	17.3	15.6	25.9	67.5	103.8	79.6	95.1
100°	10.4	12.1	8.6	10.4	12.1	12.1	13.8	29.4	25.9	17.3	17.3
102.5°	10.4	10.4	6.9	8.6	8.6	6.9	6.9	12.1	10.4	10.4	17.3
105°	10.4	10.4	6.9	6.9	5.2	5.2	5.2	8.6	8.6	10.4	17.3
107.5°	6.9	8.6	5.2	5.2	5.2	5.2	3.5	5.2	8.6	8.6	19.0
110°	5.2	5.2	3.5	3.5	3.5	5.2	3.5	5.2	6.9	8.6	13.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
112.5°	3.5	5.2	3.5	3.5	3.5	3.5	3.5	5.2	6.9	6.9	8.6
115°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	5.2	5.2	6.9	10.4
117.5°	5.2	5.2	3.5	3.5	1.7	3.5	3.5	3.5	5.2	6.9	10.4
120°	5.2	5.2	3.5	3.5	1.7	1.7	3.5	3.5	6.9	6.9	10.4
122.5°	5.2	5.2	3.5	1.7	1.7	1.7	3.5	3.5	5.2	6.9	10.4
125°	5.2	5.2	3.5	1.7	1.7	1.7	3.5	3.5	5.2	6.9	8.6
127.5°	5.2	5.2	3.5	1.7	1.7	1.7	3.5	3.5	5.2	5.2	8.6
130°	5.2	5.2	3.5	1.7	1.7	1.7	3.5	3.5	5.2	5.2	8.6
132.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	5.2	6.9
135°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	5.2
137.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
140°	5.2	5.2	5.2	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
142.5°	5.2	5.2	5.2	5.2	5.2	3.5	3.5	3.5	3.5	3.5	3.5
145°	6.9	6.9	6.9	5.2	5.2	3.5	3.5	3.5	3.5	3.5	3.5
147.5°	6.9	6.9	6.9	5.2	5.2	3.5	3.5	3.5	3.5	3.5	3.5
150°	6.9	8.6	6.9	5.2	3.5	3.5	3.5	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°	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	5.2	5.2	5.2
5°	3.5	3.5	3.5	1.7	1.7	1.7	1.7	3.5	3.5	3.5	3.5
7.5°	3.5	3.5	3.5	1.7	1.7	1.7	1.7	3.5	3.5	3.5	3.5
10°	5.2	3.5	3.5	1.7	1.7	1.7	1.7	1.7	3.5	3.5	1.7
12.5°	25.9	25.9	19.0	8.6	3.5	1.7	1.7	1.7	5.2	5.2	5.2
15°	126.3	114.2	102.1	89.9	24.2	3.5	3.5	15.6	58.8	83.0	86.5
17.5°	147.0	133.2	119.3	109.0	96.9	36.3	39.8	103.8	107.2	109.0	107.2
20°	283.7	252.5	164.3	124.5	107.2	112.4	98.6	110.7	119.3	122.8	122.8
22.5°	337.3	290.6	249.1	217.9	128.0	153.9	143.6	128.0	198.9	204.1	205.8
25°	390.9	330.4	268.1	231.8	223.1	159.1	169.5	195.5	211.0	214.5	212.8
27.5°	570.8	470.5	375.3	250.8	237.0	198.9	212.8	205.8	224.9	275.0	280.2
30°	614.0	489.5	382.3	304.4	249.1	233.5	219.7	268.1	290.6	290.6	292.3
32.5°	851.0	653.8	470.5	304.4	275.0	235.2	262.9	280.2	294.0	314.8	307.9
35°	890.8	660.7	465.3	352.9	275.0	247.3	271.6	288.9	352.9	359.8	358.0
37.5°	923.7	653.8	439.3	342.5	297.5	262.9	276.8	330.4	356.3	354.6	351.1
40°	960.0	643.4	413.4	335.6	295.8	264.6	295.8	332.1	347.7	339.0	330.4
42.5°	1001.5	627.9	390.9	320.0	288.9	266.4	297.5	323.5	321.7	316.5	311.3
45°	1055.1	610.6	365.0	306.2	285.4	262.9	292.3	301.0	313.1	309.6	306.2
47.5°	1134.7	593.3	342.5	294.0	281.9	257.7	295.8	306.2	316.5	307.9	306.2
50°	1252.3	569.1	323.5	290.6	280.2	273.3	271.6	314.8	323.5	302.7	299.2
52.5°	1331.9	541.4	313.1	287.1	275.0	266.4	288.9	311.3	320.0	295.8	294.0
55°	1385.5	501.6	304.4	287.1	271.6	250.8	313.1	318.3	318.3	290.6	287.1
57.5°	1444.3	473.9	299.2	292.3	269.8	233.5	326.9	325.2	318.3	281.9	283.7
60°	1529.1	456.6	294.0	297.5	269.8	238.7	321.7	340.8	318.3	287.1	297.5
62.5°	1577.5	439.3	290.6	299.2	266.4	238.7	311.3	363.2	344.2	321.7	323.5
65°	1510.0	416.9	280.2	297.5	261.2	243.9	301.0	371.9	368.4	358.0	359.8
67.5°	1356.1	378.8	261.2	285.4	243.9	247.3	295.8	371.9	365.0	387.5	392.6
70°	1184.8	333.8	233.5	264.6	231.8	243.9	307.9	359.8	359.8	401.3	409.9
72.5°	1003.2	273.3	202.4	242.2	231.8	237.0	321.7	345.9	345.9	401.3	399.6
75°	823.3	217.9	169.5	207.6	214.5	237.0	320.0	330.4	321.7	366.7	358.0
77.5°	601.9	173.0	145.3	174.7	193.7	237.0	309.6	307.9	294.0	314.8	311.3
80°	370.2	136.6	122.8	148.8	162.6	226.6	292.3	280.2	256.0	266.4	262.9
82.5°	214.5	102.1	103.8	126.3	129.7	207.6	264.6	243.9	217.9	223.1	217.9
85°	138.4	65.7	81.3	96.9	102.1	169.5	226.6	205.8	176.4	228.3	217.9
87.5°	107.2	38.1	55.4	64.0	62.3	74.4	129.7	122.8	121.1	98.6	95.1
90°	100.3	32.9	55.4	55.4	45.0	36.3	50.2	51.9	43.2	46.7	41.5
92.5°	89.9	32.9	58.8	55.4	39.8	29.4	41.5	41.5	32.9	31.1	29.4
95°	74.4	29.4	62.3	57.1	36.3	25.9	34.6	32.9	25.9	24.2	22.5
97.5°	39.8	19.0	58.8	51.9	32.9	24.2	31.1	27.7	19.0	17.3	15.6
100°	13.8	12.1	57.1	45.0	27.7	19.0	22.5	20.8	12.1	10.4	8.6
102.5°	12.1	10.4	32.9	32.9	17.3	10.4	13.8	13.8	10.4	8.6	8.6
105°	13.8	10.4	12.1	17.3	8.6	5.2	6.9	8.6	8.6	10.4	10.4
107.5°	13.8	10.4	8.6	8.6	6.9	5.2	5.2	5.2	8.6	10.4	10.4
110°	12.1	10.4	6.9	8.6	6.9	5.2	5.2	5.2	8.6	12.1	12.1

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 CATALOG NUMBER: LXF.LXT-PA16-50-727-U-T2R-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	8.6	8.6	6.9	6.9	5.2	5.2	5.2	5.2	8.6	12.1	13.8
115°	8.6	8.6	5.2	5.2	5.2	5.2	3.5	5.2	8.6	13.8	15.6
117.5°	10.4	8.6	5.2	5.2	3.5	3.5	3.5	5.2	10.4	15.6	17.3
120°	10.4	8.6	5.2	5.2	3.5	3.5	3.5	5.2	10.4	17.3	17.3
122.5°	10.4	8.6	5.2	5.2	3.5	3.5	3.5	5.2	10.4	17.3	17.3
125°	8.6	8.6	5.2	5.2	3.5	3.5	3.5	5.2	10.4	17.3	17.3
127.5°	8.6	6.9	5.2	3.5	3.5	3.5	3.5	5.2	10.4	15.6	17.3
130°	6.9	6.9	5.2	3.5	3.5	3.5	3.5	5.2	10.4	15.6	15.6
132.5°	6.9	6.9	5.2	3.5	3.5	3.5	3.5	5.2	8.6	13.8	13.8
135°	5.2	5.2	3.5	3.5	3.5	3.5	3.5	5.2	6.9	10.4	10.4
137.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	5.2	6.9	6.9
140°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	5.2	5.2	5.2
142.5°	3.5	3.5	3.5	3.5	3.5	1.7	3.5	3.5	5.2	5.2	5.2
145°	3.5	3.5	3.5	3.5	1.7	1.7	3.5	3.5	5.2	5.2	3.5
147.5°	3.5	3.5	3.5	3.5	1.7	1.7	1.7	3.5	5.2	5.2	3.5
150°	3.5	3.5	3.5	1.7	1.7	1.7	1.7	3.5	5.2	5.2	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

(END OF REPORT)