

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: P695311

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

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695311
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-7)
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-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 980mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY
OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4679 lumens
Efficiency: N/A
Efficacy: 88.1 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: B1 - U3 - G2

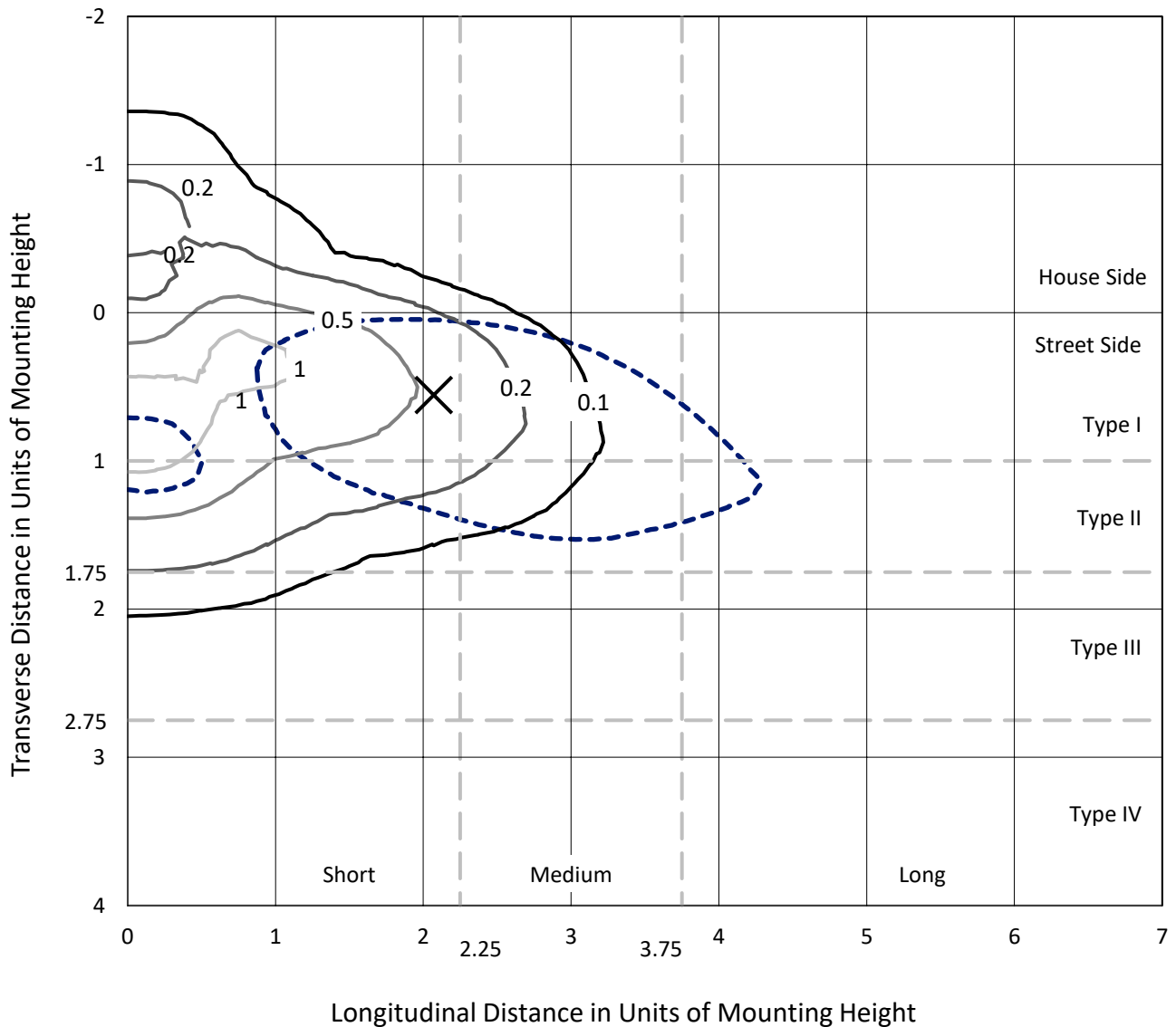
Input Watts (W): 53.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

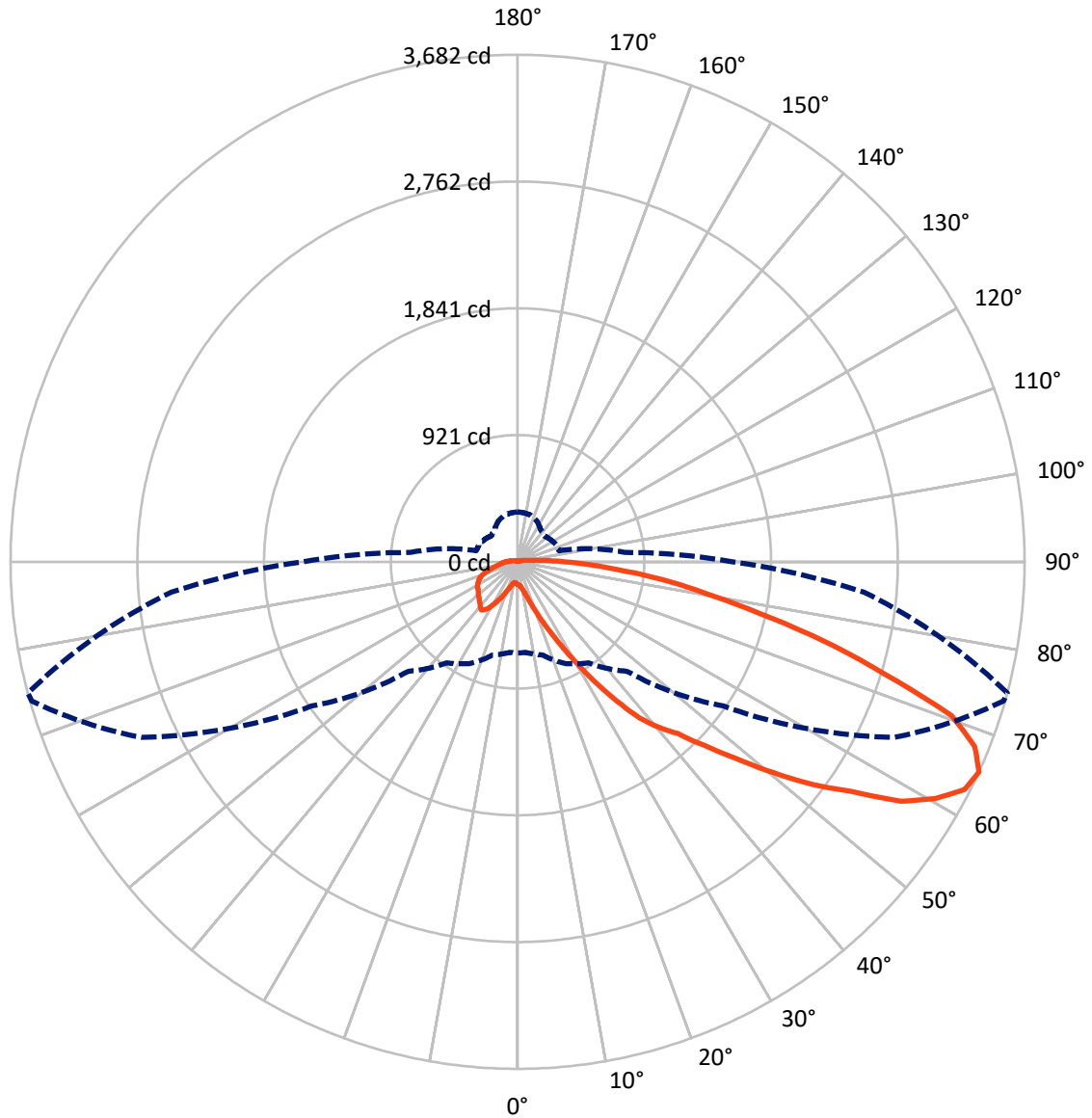
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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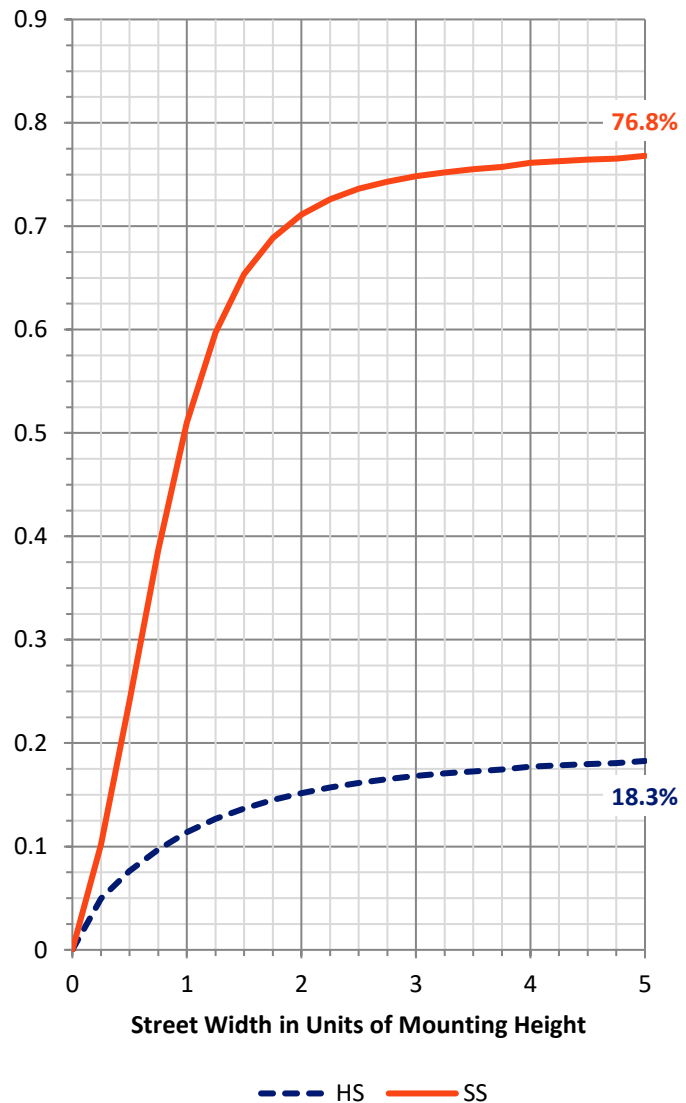
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	895.9	71.1	967.0
	% Fixture	19.1	1.5	20.7
Street Side	Lumens	3640.6	71.4	3712.0
	% Fixture	77.8	1.5	79.3
Total	Lumens	4536.5	142.5	4679.0
	% Fixture	97.0	3.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.6	0.4
10°-20°	71.4	1.5
20°-30°	223.0	4.8
30°-40°	530.1	11.3
40°-50°	820.7	17.5
50°-60°	1024.0	21.9
60°-70°	1002.0	21.4
70°-80°	609.4	13.0
80°-90°	239.3	5.1
90°-100°	74.7	1.6
100°-110°	29.9	0.6
110°-120°	16.5	0.4
120°-130°	10.8	0.2
130°-140°	7.2	0.2
140°-150°	3.2	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4536.5	97.0
0°-180°	4679.0	100.0

Coefficient of Utilization



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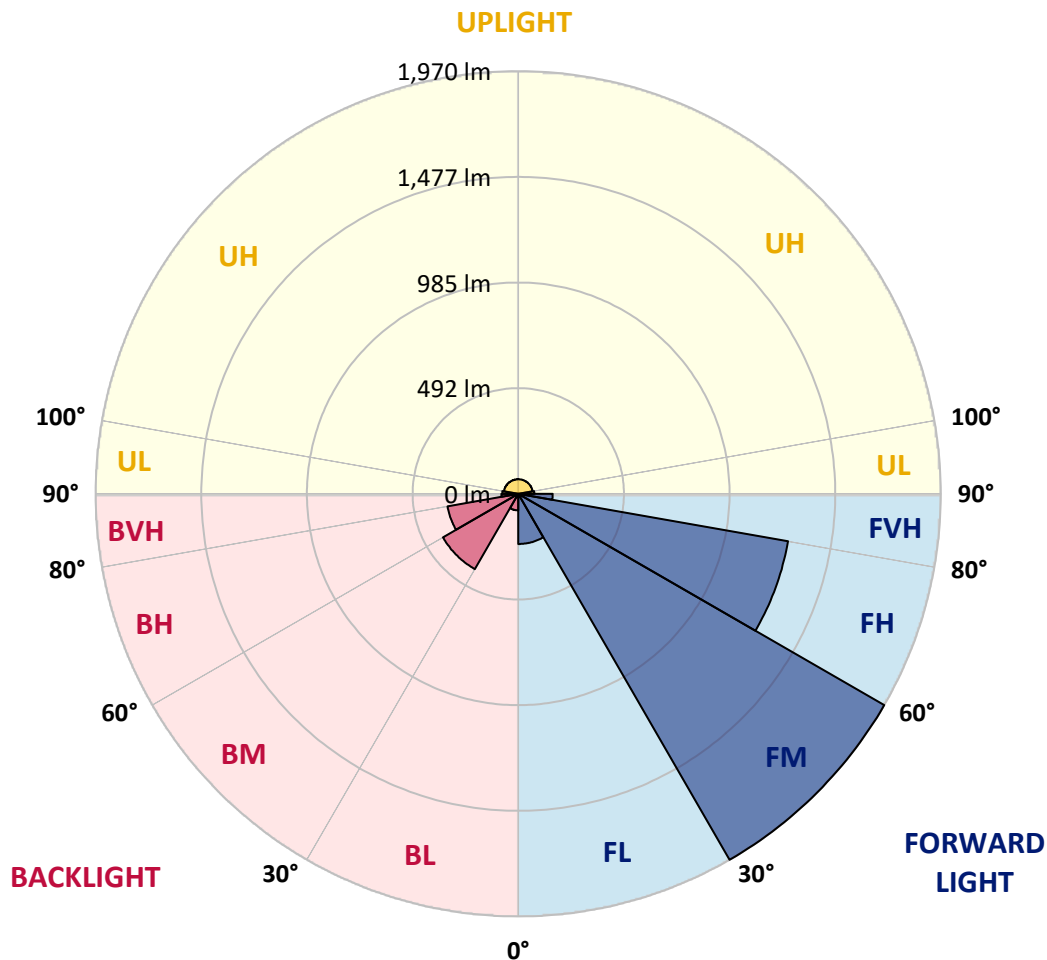
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	233.8	5.0			
FM (30°-60°)	1969.5	42.1			
FH (60°-80°)	1276.6	27.3			G1/1800
FVH (80°-90°)	160.6	3.4			G2/225
BL (0°-30°)	77.1	1.6	B0/110		
BM (30°-60°)	405.3	8.7	B1/1000		
BH (60°-80°)	334.7	7.2	B1/500		G1/500
BVH (80°-90°)	78.7	1.7			G1/100
UL (90°-100°)	74.7	1.6		U3/500	
UH (100°-180°)	67.9	1.5		U3/500	

BUG Rating: B1-U3-G2

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	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°	181.6	183.3	181.6	179.9	178.2	176.4	173.0	171.2	167.8	167.8	164.3
5°	211.0	211.0	211.0	205.8	202.4	198.9	190.3	183.3	176.4	174.7	169.5
7.5°	247.3	243.9	242.2	237.0	230.0	223.1	211.0	198.9	188.5	186.8	176.4
10°	290.6	288.9	287.1	280.2	268.1	256.0	238.7	223.1	205.8	204.1	186.8
12.5°	349.4	347.7	340.7	332.1	314.8	295.8	275.0	256.0	233.5	231.8	207.6
15°	413.4	415.1	409.9	392.6	375.3	349.4	325.2	302.7	278.5	271.6	240.4
17.5°	510.2	508.5	496.4	467.0	446.3	418.6	387.4	358.0	328.6	323.4	283.7
20°	615.8	619.2	601.9	560.4	527.5	494.7	468.7	425.5	396.1	392.6	337.3
22.5°	750.7	759.3	723.0	681.5	626.1	588.1	562.1	520.6	479.1	479.1	408.2
25°	927.1	930.6	882.1	814.7	745.5	686.7	664.2	638.2	589.8	582.9	499.9
27.5°	1108.7	1119.1	1062.0	973.8	870.0	799.1	785.3	771.4	712.6	710.9	595.0
30°	1390.6	1385.5	1288.6	1162.3	1011.8	918.4	909.8	925.4	870.0	863.1	719.5
32.5°	1646.6	1638.0	1534.2	1368.2	1162.3	1051.6	1037.8	1089.7	1051.6	1049.9	861.4
35°	1857.6	1845.5	1752.1	1565.3	1324.9	1174.4	1183.1	1269.6	1250.5	1241.9	991.1
37.5°	1956.2	1977.0	1897.4	1715.8	1465.0	1300.7	1340.5	1468.5	1451.2	1439.1	1132.9
40°	2023.7	2051.4	1968.3	1797.1	1561.9	1413.1	1477.1	1632.8	1596.5	1580.9	1193.5
42.5°	2047.9	2070.4	2015.0	1843.8	1620.7	1497.9	1582.6	1753.9	1731.4	1705.4	1279.9
45°	2032.3	2060.0	2016.8	1864.6	1650.1	1549.8	1660.5	1907.8	1925.1	1904.3	1402.7
47.5°	1971.8	2002.9	1987.4	1864.6	1658.7	1575.7	1753.9	2103.3	2143.0	2132.7	1537.7
50°	1809.2	1843.8	1871.5	1828.2	1650.1	1584.4	1857.6	2297.0	2414.6	2407.7	1724.5
52.5°	1677.8	1705.4	1715.8	1714.1	1617.2	1596.5	1956.2	2549.5	2698.3	2687.9	1892.2
55°	1501.3	1518.6	1568.8	1556.7	1508.3	1579.2	2030.6	2734.6	2954.2	2942.1	2084.2
57.5°	1196.9	1226.3	1319.7	1418.3	1373.3	1522.1	2063.5	2902.4	3296.7	3281.2	2305.6
60°	1018.8	1027.4	1081.0	1174.4	1236.7	1407.9	2051.4	3075.3	3502.5	3488.7	2405.9
62.5°	830.2	835.4	902.9	982.4	1070.7	1281.7	1980.5	3085.7	3635.7	3642.6	2504.5
65°	662.5	660.7	700.5	814.7	896.0	1124.3	1826.5	3016.5	3670.3	3682.4	2523.6
67.5°	505.1	520.6	572.5	631.3	742.0	942.7	1606.8	2834.9	3576.9	3580.4	2445.7
70°	347.7	354.6	403.0	496.4	579.4	781.8	1364.7	2554.7	3341.7	3341.7	2224.3
72.5°	250.8	259.4	283.7	344.2	448.0	612.3	1127.7	2193.2	2815.9	2788.2	1862.8
75°	186.8	188.5	211.0	247.3	316.5	477.4	876.9	1724.5	2286.6	2295.2	1530.7
77.5°	145.3	147.0	157.4	183.3	231.8	347.7	652.1	1330.1	1781.5	1785.0	1181.4
80°	121.1	122.8	128.0	141.8	173.0	249.1	479.1	1001.5	1376.8	1378.5	920.2
82.5°	100.3	102.0	107.2	115.9	134.9	185.1	344.2	766.2	1043.0	1056.8	690.1
85°	84.8	86.5	89.9	96.9	110.7	143.6	249.1	550.0	735.1	729.9	477.4
87.5°	69.2	69.2	74.4	79.6	89.9	115.9	183.3	377.1	498.1	493.0	332.1
90°	51.9	53.6	57.1	64.0	74.4	91.7	133.2	247.3	309.6	309.6	211.0
92.5°	38.1	38.1	43.2	50.2	58.8	74.4	96.9	157.4	185.1	186.8	136.6
95°	27.7	27.7	31.1	34.6	45.0	58.8	70.9	96.9	114.2	110.7	93.4
97.5°	22.5	22.5	24.2	27.7	34.6	46.7	55.3	69.2	76.1	76.1	69.2
100°	19.0	19.0	20.8	20.8	27.7	38.1	45.0	50.2	55.3	57.1	55.3
102.5°	15.6	17.3	17.3	17.3	22.5	32.9	36.3	39.8	43.2	43.2	43.2
105°	13.8	13.8	15.6	15.6	19.0	27.7	31.1	32.9	34.6	34.6	34.6
107.5°	12.1	12.1	13.8	13.8	17.3	24.2	25.9	25.9	27.7	27.7	27.7
110°	12.1	12.1	12.1	12.1	15.6	20.8	20.8	20.8	20.8	20.8	22.5

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
112.5°	10.4	10.4	12.1	12.1	13.8	19.0	19.0	17.3	17.3	17.3	20.8
115°	10.4	10.4	10.4	12.1	13.8	15.6	15.6	15.6	15.6	15.6	17.3
117.5°	10.4	10.4	10.4	12.1	12.1	15.6	13.8	13.8	13.8	13.8	15.6
120°	10.4	10.4	10.4	10.4	12.1	13.8	13.8	12.1	12.1	12.1	13.8
122.5°	10.4	10.4	10.4	10.4	12.1	12.1	12.1	10.4	10.4	10.4	13.8
125°	10.4	10.4	12.1	12.1	12.1	12.1	12.1	10.4	10.4	10.4	12.1
127.5°	12.1	12.1	12.1	12.1	10.4	12.1	10.4	10.4	10.4	10.4	12.1
130°	13.8	13.8	13.8	12.1	10.4	10.4	10.4	10.4	10.4	10.4	12.1
132.5°	13.8	13.8	13.8	12.1	10.4	10.4	8.6	8.6	10.4	10.4	10.4
135°	13.8	13.8	12.1	10.4	10.4	8.6	8.6	8.6	8.6	8.6	10.4
137.5°	12.1	12.1	12.1	10.4	8.6	8.6	6.9	6.9	8.6	8.6	8.6
140°	10.4	10.4	10.4	8.6	6.9	6.9	5.2	5.2	6.9	6.9	6.9
142.5°	8.6	8.6	8.6	6.9	6.9	5.2	5.2	5.2	5.2	5.2	6.9
145°	6.9	6.9	6.9	5.2	5.2	5.2	3.5	3.5	5.2	5.2	5.2
147.5°	5.2	5.2	5.2	5.2	3.5	3.5	3.5	3.5	3.5	3.5	3.5
150°	5.2	5.2	5.2	3.5	3.5	3.5	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°	164.3	162.6	159.1	157.4	153.9	152.2	150.5	148.8	150.5	148.8	148.8
5°	166.0	162.6	155.7	148.8	143.6	140.1	136.6	133.2	133.2	131.5	129.7
7.5°	169.5	164.3	152.2	143.6	133.2	126.3	121.1	117.6	115.9	114.2	114.2
10°	178.2	169.5	153.9	138.4	126.3	115.9	109.0	105.5	102.0	102.0	102.0
12.5°	195.5	185.1	160.9	138.4	121.1	109.0	100.3	96.9	96.9	96.9	96.9
15°	224.9	207.6	176.4	147.0	122.8	105.5	100.3	102.0	105.5	109.0	107.2
17.5°	261.2	240.4	197.2	159.1	129.7	114.2	110.7	115.9	121.1	124.5	126.3
20°	306.1	275.0	219.7	171.2	141.8	131.5	128.0	133.2	140.1	145.3	145.3
22.5°	365.0	323.4	249.1	188.5	159.1	148.8	145.3	150.5	159.1	164.3	164.3
25°	439.3	382.3	285.4	211.0	178.2	162.6	162.6	169.5	181.6	188.5	190.3
27.5°	522.4	444.5	318.3	238.7	198.9	178.2	179.9	193.7	207.6	217.9	217.9
30°	612.3	518.9	356.3	262.9	214.5	193.7	195.5	212.7	231.8	245.6	243.9
32.5°	719.5	596.7	396.1	287.1	230.0	205.8	211.0	237.0	259.4	276.7	275.0
35°	828.5	664.2	422.0	309.6	243.9	216.2	224.9	257.7	283.7	299.2	299.2
37.5°	913.3	719.5	437.6	321.7	256.0	224.9	235.2	271.6	299.2	313.1	311.3
40°	942.7	719.5	425.5	323.4	261.2	231.8	243.9	278.5	302.7	311.3	306.1
42.5°	987.6	733.4	408.2	313.1	262.9	237.0	247.3	278.5	294.0	295.8	292.3
45°	1051.6	755.9	396.1	306.1	259.4	238.7	247.3	273.3	292.3	297.5	294.0
47.5°	1132.9	778.3	382.3	302.7	259.4	238.7	247.3	278.5	297.5	297.5	294.0
50°	1236.7	814.7	375.3	304.4	264.6	240.4	252.5	285.4	302.7	299.2	297.5
52.5°	1316.3	823.3	363.2	309.6	269.8	243.9	257.7	292.3	307.9	301.0	299.2
55°	1420.0	844.1	349.4	309.6	278.5	252.5	264.6	299.2	311.3	302.7	301.0
57.5°	1527.3	866.6	347.7	307.9	281.9	259.4	271.6	304.4	314.8	307.9	306.1
60°	1556.7	840.6	337.3	313.1	283.7	266.4	276.7	309.6	325.2	321.7	321.7
62.5°	1580.9	819.9	325.2	311.3	288.9	266.4	281.9	318.3	342.5	342.5	342.5
65°	1563.6	780.1	311.3	304.4	287.1	268.1	288.9	328.6	352.8	359.8	361.5
67.5°	1491.0	724.7	297.5	294.0	278.5	268.1	290.6	328.6	358.0	368.4	368.4
70°	1335.3	633.1	273.3	273.3	266.4	257.7	285.4	323.4	347.7	359.8	359.8
72.5°	1119.1	524.1	237.0	245.6	243.9	242.2	271.6	306.1	321.7	332.1	330.4
75°	890.8	422.0	205.8	209.3	212.7	217.9	249.1	276.7	281.9	290.6	288.9
77.5°	698.8	337.3	174.7	178.2	181.6	193.7	223.1	240.4	243.9	249.1	247.3
80°	546.6	276.7	150.5	150.5	155.7	167.8	192.0	207.6	214.5	217.9	212.7
82.5°	425.5	226.6	133.2	128.0	133.2	143.6	162.6	176.4	181.6	181.6	179.9
85°	302.7	181.6	117.6	110.7	112.4	122.8	140.1	148.8	152.2	150.5	147.0
87.5°	221.4	148.8	103.8	93.4	95.1	109.0	121.1	126.3	128.0	129.7	126.3
90°	155.7	119.3	89.9	77.8	77.8	91.7	103.8	105.5	107.2	107.2	105.5
92.5°	110.7	93.4	74.4	64.0	64.0	76.1	84.8	83.0	84.8	83.0	79.6
95°	81.3	72.6	62.3	51.9	50.2	58.8	62.3	60.5	62.3	60.5	60.5
97.5°	64.0	58.8	51.9	43.2	39.8	45.0	46.7	46.7	50.2	46.7	46.7
100°	51.9	48.4	45.0	36.3	32.9	36.3	38.1	39.8	41.5	39.8	39.8
102.5°	43.2	41.5	38.1	32.9	29.4	31.1	32.9	34.6	36.3	36.3	34.6
105°	34.6	34.6	32.9	27.7	25.9	25.9	27.7	29.4	32.9	32.9	32.9
107.5°	27.7	29.4	27.7	24.2	22.5	22.5	24.2	25.9	27.7	29.4	29.4
110°	24.2	24.2	24.2	20.8	20.8	20.8	20.8	22.5	25.9	27.7	27.7

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	20.8	20.8	20.8	19.0	19.0	19.0	19.0	19.0	22.5	24.2	25.9
115°	19.0	19.0	19.0	17.3	17.3	17.3	17.3	17.3	20.8	22.5	22.5
117.5°	17.3	17.3	17.3	15.6	15.6	15.6	15.6	15.6	17.3	20.8	20.8
120°	15.6	15.6	15.6	13.8	13.8	13.8	13.8	13.8	15.6	19.0	19.0
122.5°	13.8	13.8	13.8	13.8	12.1	12.1	12.1	12.1	13.8	17.3	17.3
125°	12.1	13.8	12.1	12.1	12.1	12.1	10.4	12.1	13.8	15.6	15.6
127.5°	12.1	12.1	12.1	12.1	10.4	10.4	10.4	10.4	12.1	13.8	13.8
130°	12.1	12.1	12.1	10.4	10.4	8.6	8.6	10.4	10.4	12.1	12.1
132.5°	10.4	10.4	10.4	10.4	8.6	8.6	8.6	8.6	10.4	10.4	10.4
135°	10.4	10.4	8.6	8.6	8.6	6.9	6.9	6.9	8.6	10.4	10.4
137.5°	8.6	8.6	8.6	8.6	6.9	6.9	6.9	6.9	8.6	8.6	8.6
140°	6.9	6.9	6.9	6.9	6.9	5.2	5.2	5.2	6.9	6.9	6.9
142.5°	6.9	6.9	6.9	5.2	5.2	5.2	5.2	5.2	6.9	6.9	6.9
145°	5.2	5.2	5.2	5.2	3.5	3.5	3.5	5.2	5.2	5.2	5.2
147.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	5.2	5.2	5.2
150°	3.5	3.5	3.5	3.5	1.7	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

(END OF REPORT)