

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: P695359

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

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695359
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-25)
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-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 980mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5198 lumens
Efficiency: N/A
Efficacy: 97.9 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

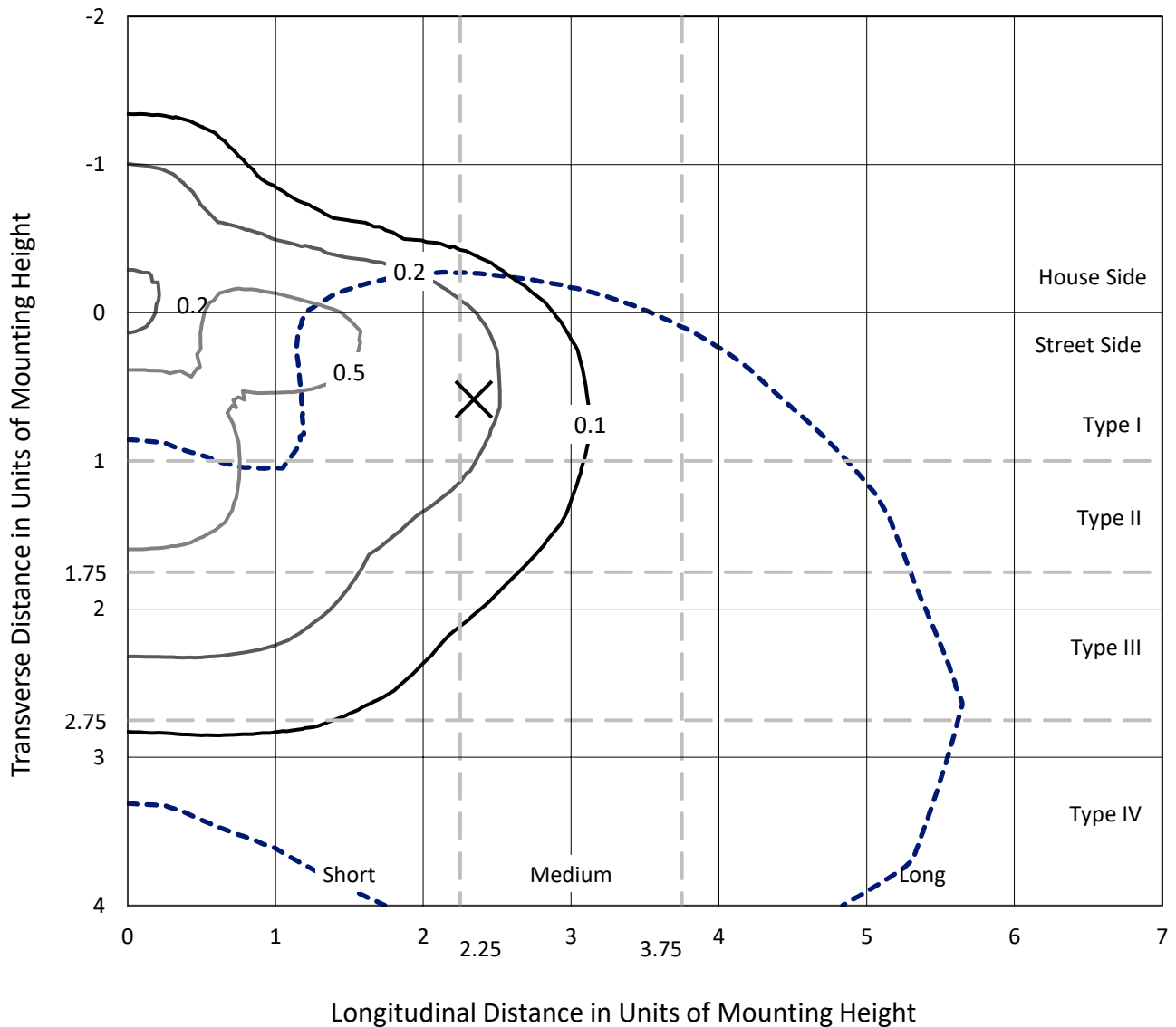
Input Watts (W): 53.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

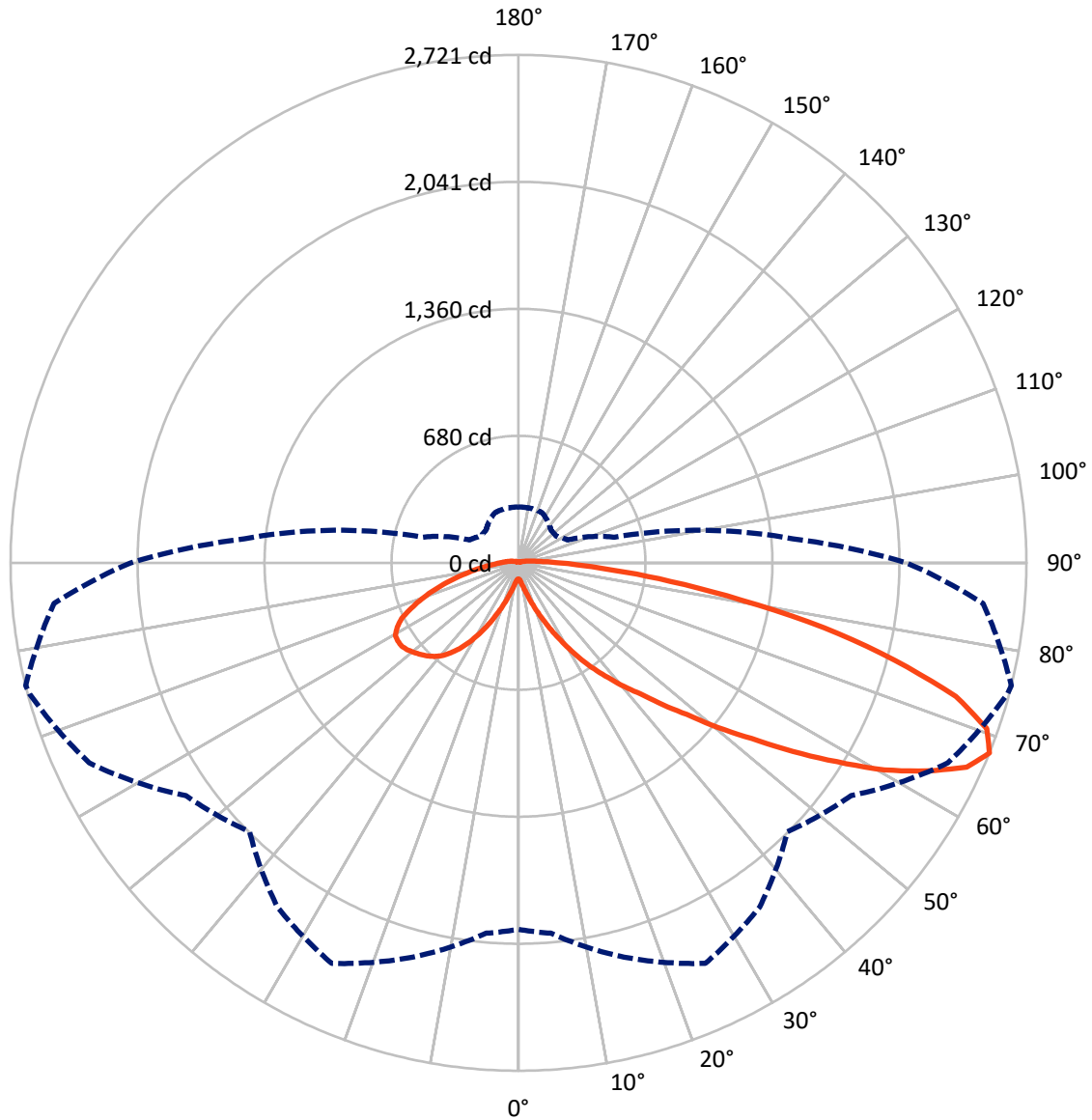
✕ Max cd
 - - - 1/2 Max cd



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

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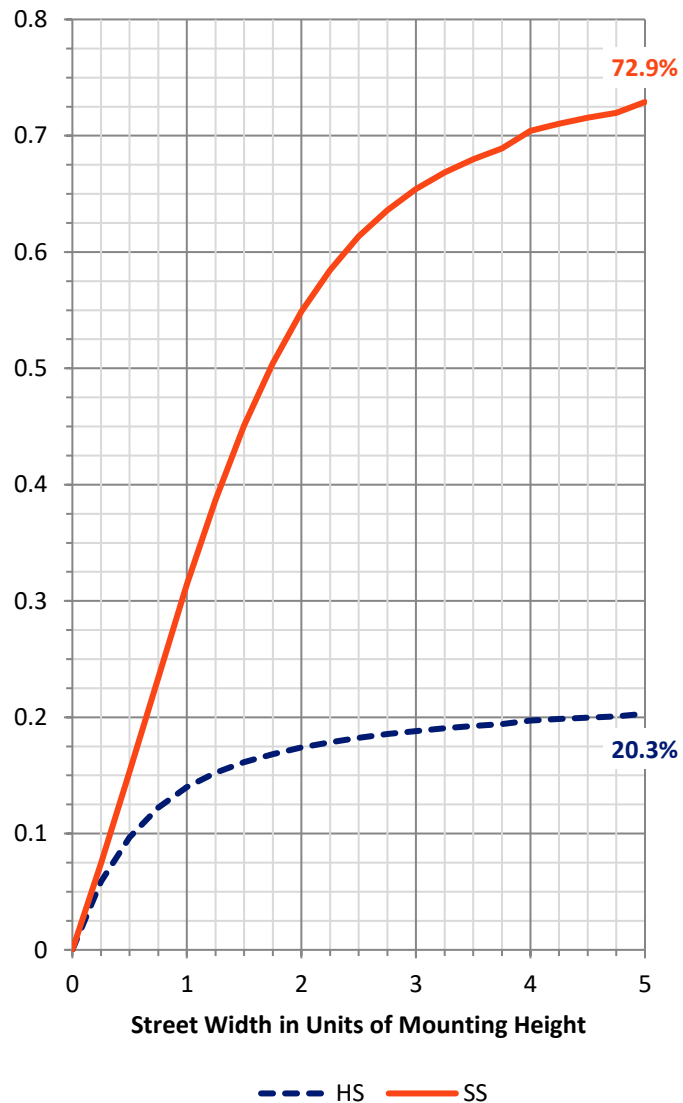
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1113.2	89.8	1202.9
	% Fixture	21.4	1.7	23.1
Street Side	Lumens	3904.3	90.7	3995.1
	% Fixture	75.1	1.7	76.9
Total	Lumens	5017.5	180.5	5198.0
	% Fixture	96.5	3.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.9	0.2
10°-20°	51.3	1.0
20°-30°	162.2	3.1
30°-40°	361.6	7.0
40°-50°	620.6	11.9
50°-60°	968.1	18.6
60°-70°	1325.4	25.5
70°-80°	1110.9	21.4
80°-90°	407.6	7.8
90°-100°	102.7	2.0
100°-110°	39.1	0.8
110°-120°	18.7	0.4
120°-130°	10.6	0.2
130°-140°	6.2	0.1
140°-150°	3.1	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5017.5	96.5
0°-180°	5198.0	100.0

Coefficient of Utilization

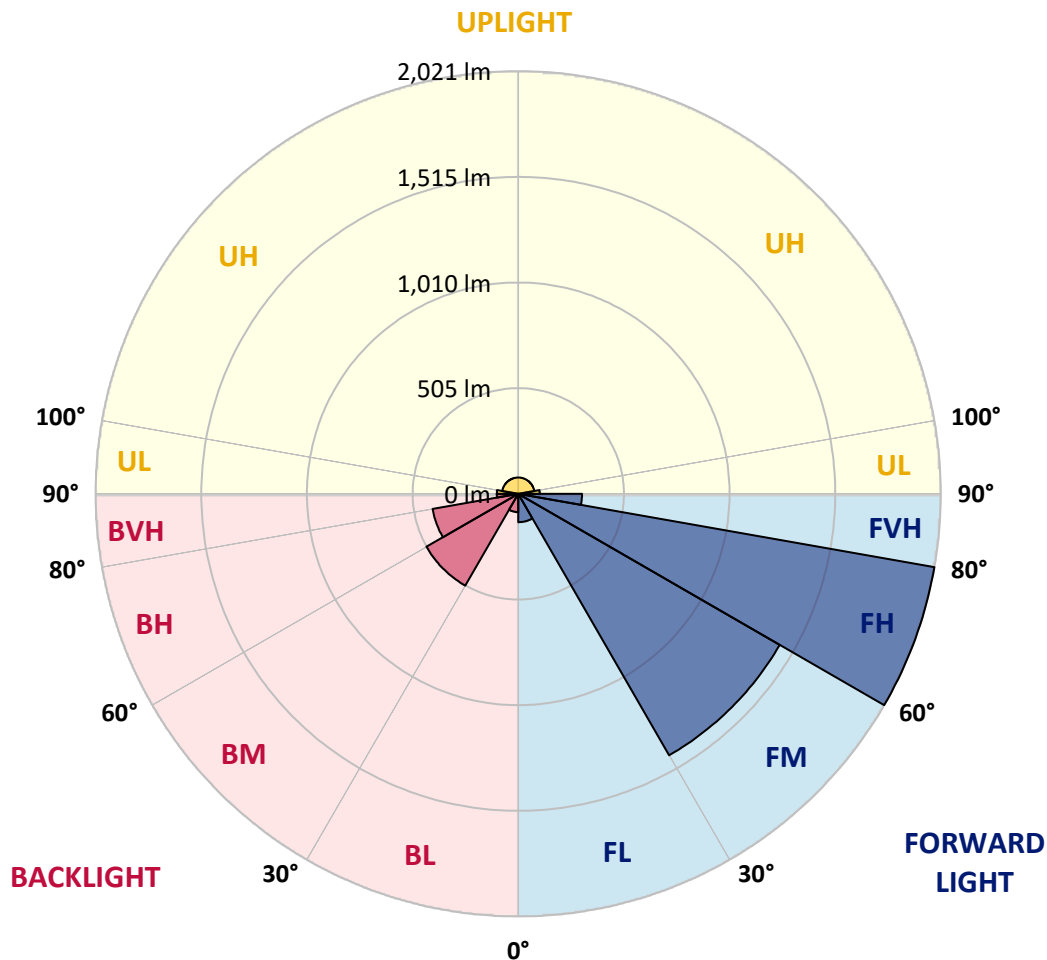


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	135.7	2.6			
FM (30°-60°)	1443.4	27.8			
FH (60°-80°)	2020.5	38.9			G2/5000
FVH (80°-90°)	304.7	5.9			G3/500
BL (0°-30°)	87.7	1.7	B0/110		
BM (30°-60°)	506.9	9.8	B1/1000		
BH (60°-80°)	415.8	8.0	B1/500		G1/500
BVH (80°-90°)	102.9	2.0			G2/225
UL (90°-100°)	102.7	2.0		U3/500	
UH (100°-180°)	77.8	1.5		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°	75°	76°	85°
0°	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
2.5°	92.1	92.1	92.1	92.1	93.9	92.1	92.1	90.2	90.2	88.3	88.3
5°	105.2	105.2	105.2	105.2	105.2	103.3	101.5	99.6	97.7	95.8	95.8
7.5°	124.0	124.0	124.0	122.1	120.3	118.4	116.5	112.7	109.0	109.0	105.2
10°	150.3	150.3	150.3	148.4	142.8	139.0	135.3	129.6	127.8	125.9	122.1
12.5°	186.0	186.0	182.3	178.5	171.0	165.3	159.7	154.1	152.2	150.3	144.7
15°	231.1	229.2	225.5	214.2	206.7	197.3	191.7	186.0	180.4	180.4	178.5
17.5°	285.6	283.7	274.3	259.3	248.0	233.0	225.5	221.7	221.7	219.8	216.1
20°	351.4	351.4	338.2	315.7	293.1	274.3	268.7	266.8	266.8	268.7	263.1
22.5°	435.9	434.0	415.3	377.7	345.7	321.3	315.7	315.7	321.3	321.3	319.4
25°	529.9	528.0	494.2	452.8	402.1	375.8	362.6	372.0	385.2	387.1	388.9
27.5°	644.5	637.0	597.5	533.6	467.9	426.5	417.1	432.2	458.5	456.6	460.3
30°	762.9	759.1	704.6	625.7	537.4	481.0	473.5	501.7	531.7	533.6	543.0
32.5°	901.9	881.2	830.5	725.3	608.8	539.3	528.0	569.3	614.4	618.2	627.6
35°	1040.9	1039.1	956.4	832.4	683.9	593.8	584.4	633.2	697.1	699.0	712.1
37.5°	1181.9	1174.4	1095.4	937.6	766.6	655.8	640.7	704.6	776.0	779.8	798.6
40°	1330.3	1320.9	1236.4	1050.3	853.0	723.4	706.5	781.6	864.3	871.8	894.4
42.5°	1460.0	1458.1	1377.3	1174.4	937.6	789.2	777.9	858.7	956.4	960.1	994.0
45°	1602.8	1578.3	1503.2	1298.4	1042.8	870.0	858.7	958.3	1069.1	1084.2	1112.3
47.5°	1715.5	1704.2	1634.7	1433.6	1149.9	958.3	947.0	1065.4	1200.7	1213.8	1238.2
50°	1830.1	1817.0	1754.9	1561.4	1266.4	1061.6	1059.7	1200.7	1366.0	1386.7	1413.0
52.5°	1924.1	1916.5	1879.0	1698.6	1390.4	1165.0	1185.6	1360.4	1548.3	1563.3	1589.6
55°	2012.4	2006.7	1999.2	1850.8	1538.9	1302.1	1319.0	1538.9	1754.9	1783.1	1824.5
57.5°	2078.1	2087.5	2102.6	1999.2	1694.8	1439.3	1475.0	1756.8	1984.2	2010.5	2051.8
60°	2123.2	2138.3	2192.7	2147.7	1858.3	1591.5	1666.6	1957.9	2222.8	2252.9	2273.5
62.5°	2128.9	2153.3	2264.1	2273.5	2012.4	1751.2	1835.7	2172.1	2450.2	2455.8	2431.4
65°	2085.6	2104.4	2260.4	2350.6	2149.5	1907.1	2021.8	2391.9	2624.9	2638.1	2525.3
67.5°	1963.5	1991.7	2187.1	2367.5	2251.0	2036.8	2174.0	2536.6	2711.3	2720.7	2497.1
70°	1736.2	1786.9	2019.9	2269.8	2271.7	2108.2	2273.5	2598.6	2671.9	2660.6	2328.0
72.5°	1461.8	1475.0	1732.4	2066.9	2192.7	2106.3	2262.3	2523.4	2470.8	2450.2	2012.4
75°	1069.1	1104.8	1345.3	1753.1	2004.9	1982.3	2128.9	2299.8	2119.5	2081.9	1640.3
77.5°	723.4	761.0	950.8	1345.3	1687.3	1760.6	1884.6	1935.3	1706.1	1674.2	1202.5
80°	454.7	481.0	614.4	939.5	1322.8	1437.4	1531.4	1499.4	1238.2	1208.2	854.9
82.5°	253.7	266.8	375.8	612.5	932.0	1093.6	1166.8	1087.9	853.0	819.2	554.3
85°	133.4	150.3	212.3	372.0	621.9	777.9	836.1	719.6	524.2	513.0	345.7
87.5°	73.3	80.8	122.1	223.6	385.2	528.0	554.3	452.8	325.1	310.0	219.8
90°	45.1	48.9	71.4	133.4	238.6	330.7	347.6	283.7	202.9	199.2	146.6
92.5°	30.1	31.9	48.9	86.4	150.3	212.3	223.6	176.6	133.4	129.6	105.2
95°	22.5	24.4	37.6	62.0	103.3	144.7	142.8	120.3	90.2	88.3	77.0
97.5°	18.8	20.7	31.9	48.9	75.2	97.7	97.7	78.9	65.8	65.8	60.1
100°	16.9	16.9	26.3	39.5	56.4	71.4	71.4	58.2	48.9	48.9	45.1
102.5°	15.0	15.0	22.5	33.8	45.1	56.4	54.5	45.1	37.6	37.6	35.7
105°	13.2	13.2	20.7	28.2	37.6	45.1	43.2	35.7	30.1	28.2	26.3
107.5°	11.3	11.3	16.9	24.4	33.8	37.6	35.7	30.1	22.5	22.5	20.7
110°	11.3	11.3	15.0	22.5	28.2	31.9	30.1	24.4	18.8	18.8	16.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
112.5°	9.4	9.4	13.2	18.8	24.4	28.2	26.3	20.7	15.0	15.0	15.0
115°	9.4	9.4	11.3	16.9	20.7	24.4	22.5	16.9	13.2	13.2	13.2
117.5°	9.4	9.4	11.3	15.0	18.8	20.7	18.8	15.0	11.3	11.3	11.3
120°	7.5	7.5	9.4	13.2	16.9	18.8	16.9	13.2	9.4	9.4	11.3
122.5°	7.5	7.5	9.4	11.3	15.0	16.9	15.0	11.3	9.4	9.4	9.4
125°	7.5	7.5	9.4	11.3	13.2	15.0	13.2	9.4	9.4	9.4	9.4
127.5°	7.5	7.5	7.5	9.4	11.3	13.2	11.3	9.4	7.5	7.5	9.4
130°	7.5	7.5	7.5	9.4	11.3	11.3	9.4	7.5	7.5	7.5	9.4
132.5°	7.5	7.5	7.5	7.5	9.4	9.4	9.4	7.5	7.5	7.5	7.5
135°	7.5	7.5	7.5	7.5	9.4	9.4	7.5	7.5	7.5	7.5	7.5
137.5°	7.5	5.6	5.6	7.5	7.5	7.5	7.5	5.6	5.6	5.6	7.5
140°	5.6	5.6	5.6	5.6	7.5	7.5	5.6	5.6	5.6	5.6	5.6
142.5°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
145°	5.6	5.6	5.6	3.8	5.6	5.6	3.8	3.8	3.8	5.6	5.6
147.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
150°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	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°	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
2.5°	88.3	86.4	86.4	86.4	86.4	84.6	84.6	84.6	84.6	82.7	84.6
5°	93.9	93.9	92.1	88.3	88.3	86.4	86.4	84.6	84.6	82.7	82.7
7.5°	105.2	103.3	99.6	97.7	93.9	92.1	90.2	88.3	88.3	86.4	86.4
10°	120.3	118.4	112.7	109.0	105.2	101.5	99.6	97.7	95.8	93.9	93.9
12.5°	142.8	139.0	133.4	124.0	120.3	114.6	110.9	109.0	109.0	109.0	107.1
15°	174.7	169.1	159.7	148.4	137.2	129.6	127.8	127.8	127.8	129.6	129.6
17.5°	212.3	204.8	193.5	174.7	159.7	150.3	148.4	148.4	150.3	154.1	154.1
20°	259.3	249.9	233.0	208.6	186.0	172.9	169.1	172.9	180.4	182.3	182.3
22.5°	313.8	306.3	278.1	242.4	214.2	197.3	193.5	197.3	206.7	214.2	216.1
25°	379.6	368.3	328.8	281.8	242.4	221.7	216.1	225.5	238.6	249.9	249.9
27.5°	452.8	439.7	385.2	323.2	270.6	242.4	236.7	249.9	272.4	285.6	287.5
30°	531.7	511.1	439.7	362.6	295.0	261.2	257.4	276.2	302.5	319.4	321.3
32.5°	618.2	584.4	496.0	398.3	317.5	274.3	272.4	296.9	328.8	349.5	351.4
35°	699.0	661.4	546.8	424.6	332.6	283.7	283.7	311.9	349.5	370.2	372.0
37.5°	777.9	729.0	590.0	445.3	340.1	287.5	289.4	323.2	360.8	381.4	383.3
40°	864.3	802.3	627.6	454.7	342.0	289.4	293.1	328.8	362.6	383.3	383.3
42.5°	954.5	879.4	652.0	454.7	338.2	287.5	291.2	326.9	358.9	373.9	375.8
45°	1059.7	962.0	668.9	447.2	330.7	281.8	287.5	323.2	347.6	355.1	357.0
47.5°	1180.0	1048.5	682.1	435.9	321.3	276.2	283.7	313.8	334.5	334.5	334.5
50°	1332.2	1146.2	693.3	417.1	310.0	270.6	278.1	306.3	317.5	313.8	313.8
52.5°	1497.5	1253.3	700.9	398.3	298.8	263.1	272.4	298.8	304.4	295.0	295.0
55°	1681.7	1379.2	700.9	379.6	287.5	257.4	268.7	291.2	293.1	283.7	280.0
57.5°	1858.3	1478.7	691.5	358.9	276.2	251.8	264.9	287.5	287.5	278.1	276.2
60°	2016.1	1570.8	676.4	340.1	268.7	248.0	264.9	285.6	285.6	278.1	278.1
62.5°	2128.9	1600.9	638.8	323.2	261.2	248.0	266.8	287.5	289.4	285.6	283.7
65°	2157.0	1585.8	595.6	304.4	253.7	246.1	270.6	293.1	295.0	293.1	293.1
67.5°	2078.1	1475.0	529.9	289.4	248.0	246.1	272.4	296.9	298.8	298.8	298.8
70°	1873.3	1309.6	469.7	272.4	242.4	244.3	276.2	300.6	300.6	300.6	300.6
72.5°	1584.0	1099.2	407.7	257.4	233.0	240.5	276.2	298.8	298.8	296.9	296.9
75°	1251.4	870.0	349.5	242.4	221.7	233.0	272.4	293.1	291.2	289.4	287.5
77.5°	926.3	646.4	293.1	221.7	208.6	223.6	261.2	280.0	278.1	276.2	272.4
80°	638.8	451.0	244.3	201.0	191.7	208.6	244.3	261.2	259.3	255.5	255.5
82.5°	415.3	310.0	197.3	176.6	172.9	191.7	225.5	238.6	234.9	231.1	229.2
85°	268.7	210.4	157.8	150.3	154.1	171.0	197.3	208.6	206.7	202.9	199.2
87.5°	176.6	150.3	124.0	124.0	131.5	150.3	169.1	174.7	172.9	172.9	169.1
90°	124.0	112.7	101.5	103.3	112.7	129.6	139.0	140.9	139.0	140.9	137.2
92.5°	92.1	86.4	82.7	86.4	95.8	109.0	114.6	110.9	112.7	112.7	110.9
95°	71.4	69.5	69.5	73.3	82.7	92.1	93.9	88.3	92.1	92.1	90.2
97.5°	56.4	56.4	58.2	62.0	69.5	77.0	77.0	73.3	75.2	75.2	75.2
100°	45.1	45.1	48.9	52.6	60.1	65.8	63.9	60.1	62.0	60.1	58.2
102.5°	35.7	37.6	41.3	45.1	50.7	54.5	54.5	50.7	50.7	48.9	48.9
105°	28.2	30.1	33.8	39.5	43.2	47.0	47.0	43.2	39.5	37.6	37.6
107.5°	22.5	24.4	28.2	31.9	37.6	39.5	39.5	35.7	31.9	28.2	28.2
110°	18.8	20.7	24.4	28.2	31.9	33.8	33.8	30.1	26.3	22.5	22.5

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	16.9	16.9	20.7	24.4	26.3	28.2	28.2	26.3	20.7	18.8	18.8
115°	13.2	15.0	16.9	20.7	22.5	24.4	24.4	20.7	16.9	15.0	15.0
117.5°	13.2	13.2	15.0	18.8	20.7	22.5	20.7	18.8	15.0	13.2	13.2
120°	11.3	13.2	15.0	15.0	18.8	18.8	18.8	15.0	13.2	13.2	13.2
122.5°	11.3	11.3	13.2	15.0	15.0	16.9	16.9	13.2	11.3	11.3	11.3
125°	9.4	11.3	11.3	13.2	15.0	15.0	15.0	11.3	11.3	11.3	11.3
127.5°	9.4	9.4	11.3	11.3	13.2	13.2	13.2	11.3	9.4	9.4	9.4
130°	9.4	9.4	9.4	9.4	11.3	11.3	11.3	9.4	9.4	9.4	9.4
132.5°	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	7.5	9.4	9.4
135°	7.5	7.5	7.5	7.5	9.4	9.4	7.5	7.5	7.5	7.5	7.5
137.5°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
140°	7.5	7.5	7.5	5.6	7.5	7.5	5.6	5.6	5.6	7.5	7.5
142.5°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
145°	5.6	5.6	5.6	3.8	3.8	5.6	5.6	5.6	5.6	5.6	5.6
147.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	5.6	3.8
150°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	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

(END OF REPORT)