

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: P695352

Luminaire Tested: **LXF.LXT-PA16-50-730-U-T3-CL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695352
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-18)
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-T3-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 980mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5368.1 lumens
Efficiency: N/A
Efficacy: 101.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Medium
BUG Rating: B1 - U3 - G2

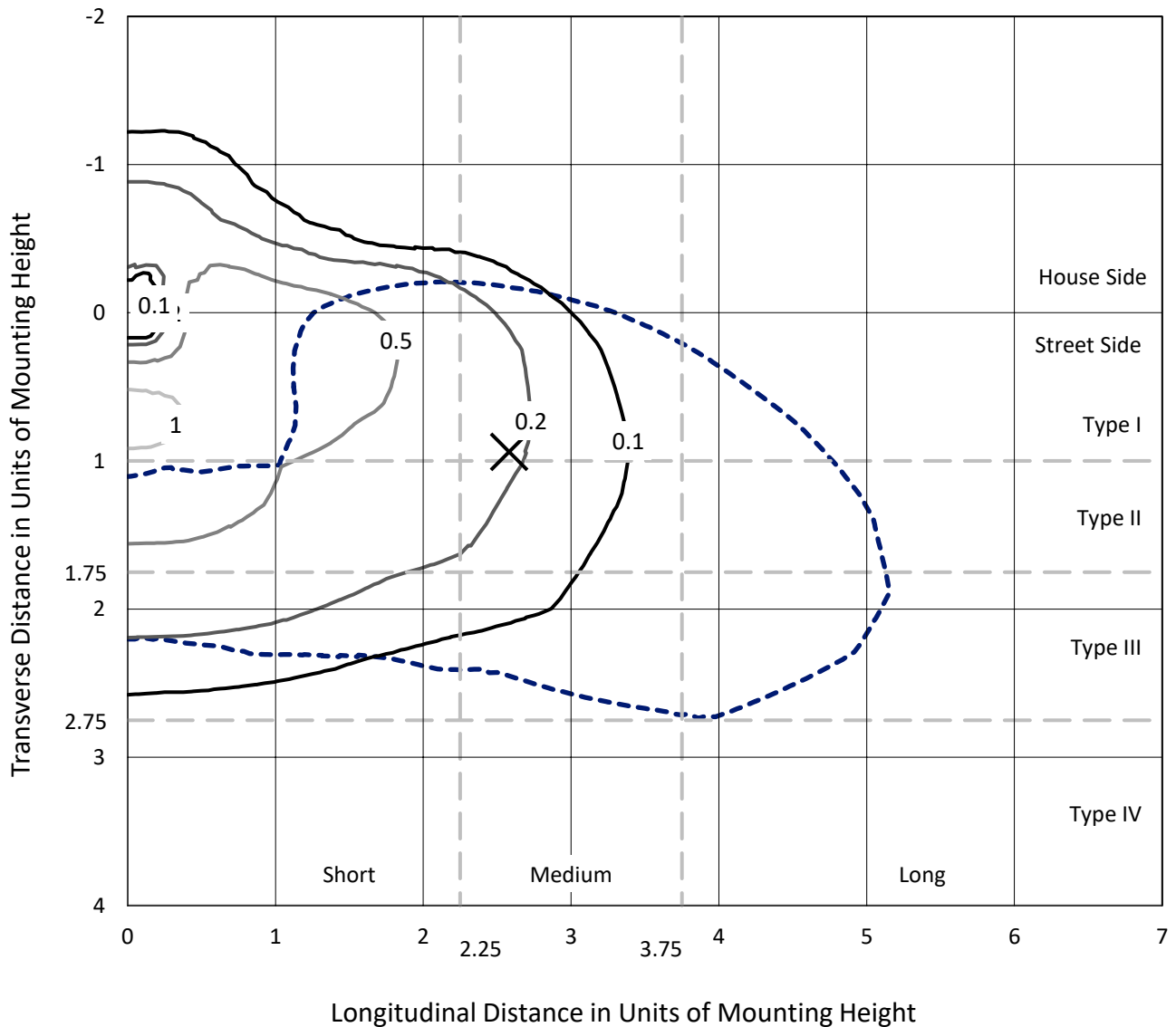
Input Watts (W): 53.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

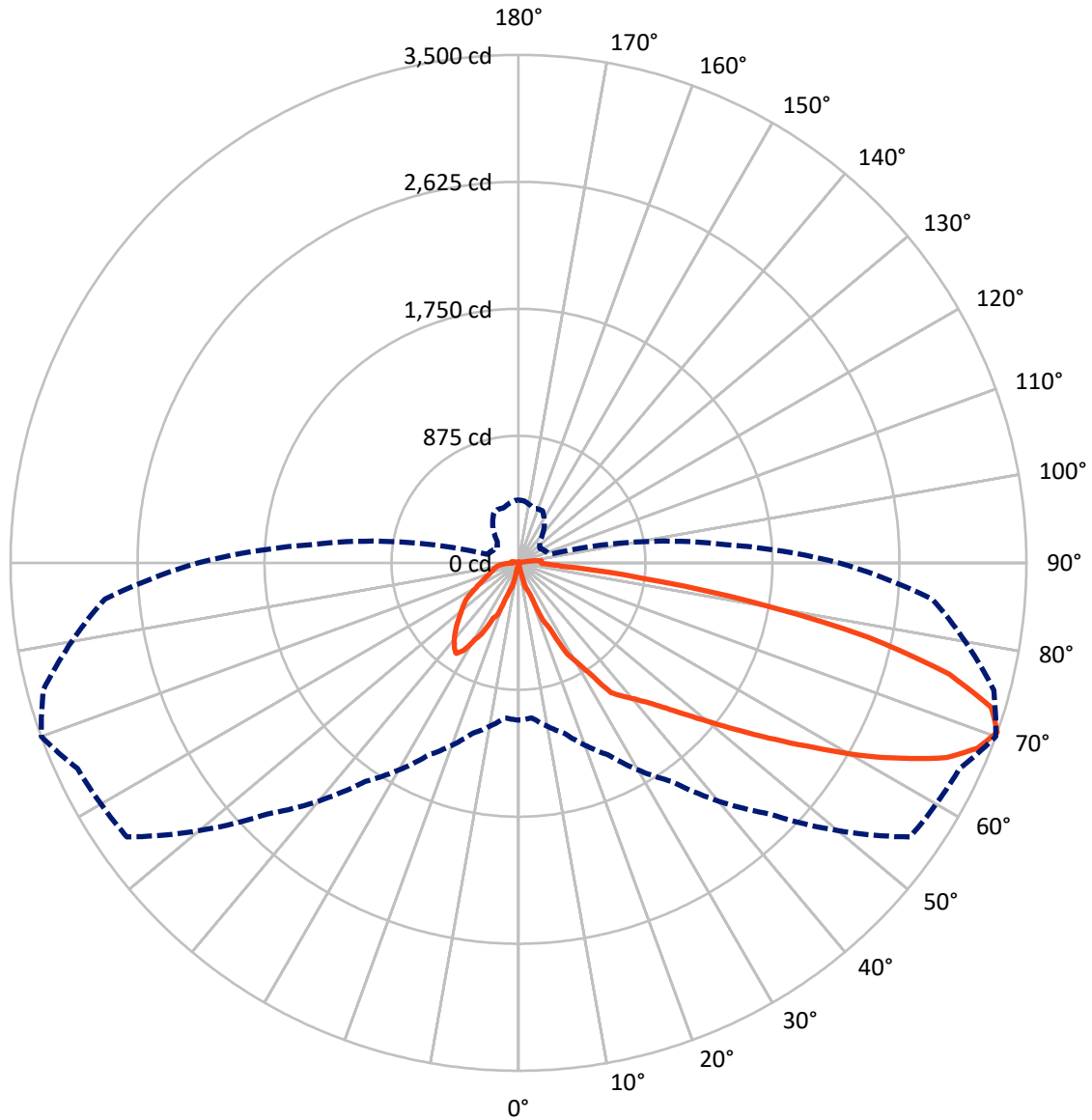
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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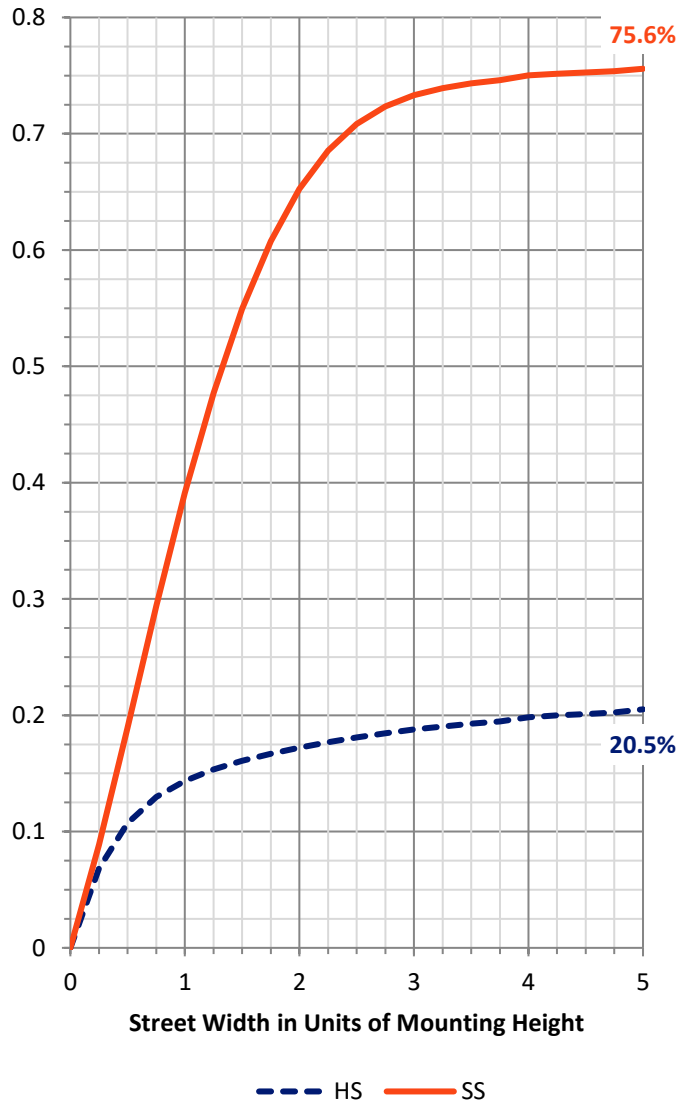
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1168.1	57.9	1226.0
	% Fixture	21.8	1.1	22.8
Street Side	Lumens	4091.1	51.0	4142.1
	% Fixture	76.2	0.9	77.2
Total	Lumens	5259.2	108.9	5368.1
	% Fixture	98.0	2.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.5	0.0
10°-20°	38.3	0.7
20°-30°	219.3	4.1
30°-40°	506.3	9.4
40°-50°	741.7	13.8
50°-60°	1096.9	20.4
60°-70°	1438.7	26.8
70°-80°	977.1	18.2
80°-90°	240.4	4.5
90°-100°	79.0	1.5
100°-110°	14.1	0.3
110°-120°	5.6	0.1
120°-130°	4.4	0.1
130°-140°	3.2	0.1
140°-150°	2.4	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5259.2	98.0
0°-180°	5368.1	100.0

Coefficient of Utilization

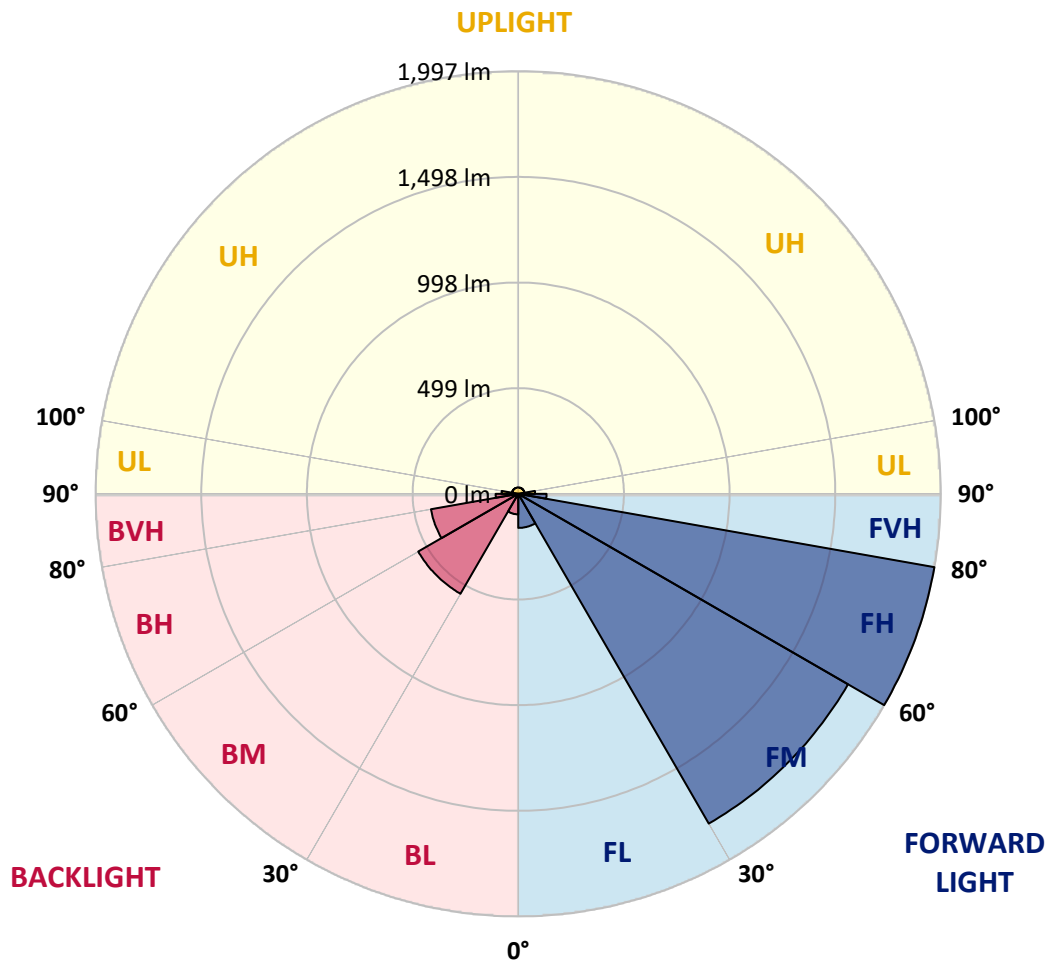


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	161.2	3.0			
FM (30°-60°)	1799.4	33.5			
FH (60°-80°)	1997.0	37.2			G2/5000
FVH (80°-90°)	133.5	2.5			G2/225
BL (0°-30°)	96.9	1.8	B0/110		
BM (30°-60°)	545.5	10.2	B1/1000		
BH (60°-80°)	418.8	7.8	B1/500		G1/500
BVH (80°-90°)	106.8	2.0			G2/225
UL (90°-100°)	79.0	1.5		U3/500	
UH (100°-180°)	29.9	0.6		U2/50	

BUG Rating: B1-U3-G2
 Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
2.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
5°	3.8	3.8	3.8	3.8	5.6	5.6	3.8	3.8	3.8	3.8	3.8
7.5°	5.6	3.8	3.8	5.6	5.6	5.6	5.6	3.8	3.8	3.8	3.8
10°	31.9	33.8	22.5	13.2	9.4	5.6	5.6	5.6	5.6	5.6	5.6
12.5°	172.8	171.0	167.2	116.5	41.3	13.2	9.4	16.9	20.7	26.3	37.6
15°	195.4	197.3	191.6	189.7	178.5	67.6	35.7	157.8	172.8	174.7	174.7
17.5°	272.4	270.5	244.2	214.2	201.0	208.5	167.2	187.9	195.4	199.1	201.0
20°	458.4	456.5	450.9	385.1	248.0	304.3	294.9	223.6	236.7	304.3	387.0
22.5°	511.0	507.2	499.7	480.9	497.8	347.5	338.1	392.6	426.4	447.1	445.2
25°	783.4	790.9	651.9	541.0	550.4	475.3	511.0	507.2	497.8	501.6	507.2
27.5°	871.7	864.2	852.9	798.4	612.4	646.2	582.4	648.1	708.2	742.0	732.7
30°	1117.8	1115.9	982.5	888.6	804.0	700.7	725.1	817.2	796.5	802.2	772.1
32.5°	1305.6	1303.7	1285.0	1097.1	911.1	792.8	860.4	864.2	916.8	1020.1	1029.5
35°	1378.9	1371.4	1358.2	1221.1	1037.0	933.7	909.2	1068.9	1099.0	1102.7	1076.4
37.5°	1454.0	1444.6	1433.4	1281.2	1161.0	990.0	1042.6	1164.7	1164.7	1189.2	1123.4
40°	1497.2	1497.2	1495.4	1331.9	1217.3	1040.7	1108.4	1238.0	1234.2	1251.1	1189.2
42.5°	1551.7	1546.1	1566.7	1384.5	1275.6	1093.3	1172.2	1307.5	1318.8	1362.0	1277.4
45°	1628.7	1636.3	1645.6	1497.2	1354.5	1170.4	1247.4	1416.5	1427.7	1486.0	1405.2
47.5°	1713.3	1722.7	1756.5	1615.6	1482.2	1268.1	1311.3	1540.4	1566.7	1638.1	1566.7
50°	1818.5	1820.4	1869.2	1733.9	1645.6	1407.1	1427.7	1660.7	1730.2	1794.1	1750.8
52.5°	1893.6	1901.1	1961.3	1886.1	1795.9	1574.3	1596.8	1816.6	1925.6	2004.5	1950.0
55°	1959.4	1965.0	2021.4	2002.6	1921.8	1702.0	1816.6	2027.0	2149.1	2216.7	2194.2
57.5°	1983.8	1989.4	2074.0	2089.0	2049.5	1863.6	2047.7	2235.5	2399.0	2474.1	2436.5
60°	1966.9	1966.9	2070.2	2151.0	2190.4	2042.0	2291.9	2470.4	2692.0	2742.7	2755.9
62.5°	1910.5	1925.6	2051.4	2177.3	2291.9	2216.7	2539.9	2761.5	2966.3	3013.3	2983.2
65°	1786.5	1790.3	1923.7	2120.9	2303.2	2406.5	2857.3	3007.6	3238.7	3221.8	3094.0
67.5°	1551.7	1525.4	1641.9	1919.9	2179.2	2504.2	3122.2	3216.2	3409.6	3353.3	3065.9
70°	1083.9	1072.7	1215.5	1459.7	1837.3	2447.8	3293.2	3353.3	3499.8	3390.9	2861.1
72.5°	514.7	556.1	627.5	836.0	1273.7	2066.5	3246.2	3340.1	3405.9	3281.9	2485.4
75°	225.4	231.1	268.6	379.5	655.6	1305.6	2840.4	3000.1	3065.9	2925.0	1957.5
77.5°	161.6	161.6	178.5	206.6	298.7	623.7	1935.0	2376.4	2461.0	2323.8	1371.4
80°	125.9	125.9	139.0	157.8	186.0	257.4	1206.1	1593.0	1623.1	1420.2	764.6
82.5°	93.9	97.7	109.0	118.4	137.1	176.6	516.6	819.1	839.7	659.4	400.1
85°	67.6	67.6	75.1	75.1	90.2	137.1	266.8	300.6	298.7	264.9	248.0
87.5°	22.5	22.5	18.8	22.5	37.6	86.4	167.2	169.1	161.6	184.1	208.5
90°	26.3	26.3	18.8	20.7	28.2	78.9	161.6	161.6	154.0	165.3	208.5
92.5°	28.2	28.2	20.7	20.7	24.4	69.5	163.4	171.0	161.6	167.2	206.6
95°	28.2	28.2	20.7	18.8	22.5	47.0	157.8	157.8	152.2	148.4	163.4
97.5°	16.9	16.9	13.2	15.0	18.8	24.4	93.9	97.7	86.4	67.6	88.3
100°	11.3	11.3	9.4	11.3	13.2	13.2	45.1	47.0	35.7	16.9	18.8
102.5°	11.3	11.3	7.5	9.4	7.5	7.5	13.2	16.9	11.3	11.3	15.0
105°	11.3	13.2	5.6	5.6	5.6	5.6	5.6	11.3	9.4	9.4	15.0
107.5°	11.3	11.3	5.6	5.6	5.6	5.6	3.8	5.6	7.5	9.4	16.9
110°	5.6	7.5	3.8	5.6	3.8	5.6	3.8	5.6	7.5	7.5	13.2

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	3.8	3.8	1.9	3.8	3.8	3.8	3.8	5.6	5.6	5.6	9.4
115°	3.8	3.8	1.9	1.9	1.9	3.8	3.8	3.8	5.6	5.6	9.4
117.5°	3.8	3.8	1.9	1.9	1.9	1.9	3.8	3.8	3.8	5.6	9.4
120°	5.6	3.8	1.9	1.9	1.9	1.9	3.8	3.8	5.6	5.6	9.4
122.5°	5.6	3.8	1.9	1.9	1.9	1.9	1.9	3.8	3.8	5.6	9.4
125°	5.6	3.8	1.9	1.9	1.9	1.9	1.9	3.8	3.8	5.6	9.4
127.5°	3.8	3.8	1.9	1.9	1.9	1.9	1.9	3.8	3.8	5.6	9.4
130°	3.8	3.8	1.9	1.9	1.9	1.9	1.9	3.8	3.8	5.6	7.5
132.5°	3.8	3.8	1.9	1.9	1.9	1.9	3.8	3.8	3.8	3.8	7.5
135°	3.8	3.8	1.9	1.9	1.9	1.9	3.8	3.8	3.8	3.8	5.6
137.5°	3.8	3.8	1.9	1.9	3.8	3.8	3.8	3.8	3.8	3.8	3.8
140°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
142.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
145°	5.6	5.6	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
147.5°	5.6	5.6	5.6	3.8	3.8	3.8	3.8	3.8	3.8	3.8	5.6
150°	5.6	5.6	5.6	3.8	3.8	1.9	3.8	3.8	3.8	3.8	5.6
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°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
2.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	5.6	5.6
5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	5.6
7.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
10°	5.6	5.6	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	5.6
12.5°	33.8	33.8	26.3	13.2	5.6	3.8	3.8	3.8	5.6	9.4	7.5
15°	178.5	178.5	174.7	159.7	33.8	9.4	7.5	16.9	75.1	135.3	137.1
17.5°	204.8	202.9	199.1	189.7	169.1	60.1	58.2	157.8	169.1	176.6	178.5
20°	385.1	381.4	294.9	210.4	184.1	182.2	159.7	178.5	184.1	187.9	189.7
22.5°	439.6	434.0	413.3	364.4	210.4	248.0	232.9	193.5	289.3	310.0	310.0
25°	505.3	490.3	449.0	392.6	358.8	261.1	268.6	281.8	298.7	302.5	302.5
27.5°	719.5	706.4	646.2	432.1	385.1	308.1	311.8	285.5	300.6	343.8	349.4
30°	753.3	732.7	678.2	533.5	400.1	345.7	298.7	334.4	351.3	349.4	351.3
32.5°	1003.2	982.5	871.7	548.5	430.2	325.0	326.9	334.4	345.7	364.4	377.6
35°	1042.6	1020.1	894.2	623.7	411.4	323.1	323.1	338.1	388.9	396.4	396.4
37.5°	1085.8	1067.0	884.8	582.4	415.2	323.1	313.7	345.7	366.3	364.4	364.4
40°	1161.0	1130.9	860.4	531.6	377.6	310.0	313.7	325.0	336.3	325.0	319.4
42.5°	1249.3	1194.8	828.5	479.0	347.5	293.1	296.8	300.6	300.6	279.9	278.0
45°	1362.0	1260.5	785.3	430.2	319.4	272.4	281.8	276.2	276.2	259.2	257.4
47.5°	1489.7	1328.2	732.7	387.0	294.9	253.6	266.8	261.1	264.9	249.9	248.0
50°	1638.1	1416.5	681.9	355.1	274.3	244.2	251.7	259.2	264.9	246.1	244.2
52.5°	1794.1	1502.9	646.2	319.4	255.5	232.9	257.4	259.2	263.0	244.2	244.2
55°	1985.7	1610.0	603.0	293.1	242.3	223.6	270.5	270.5	264.9	248.0	246.1
57.5°	2192.3	1717.0	522.2	268.6	231.1	217.9	276.2	285.5	272.4	251.7	251.7
60°	2383.9	1824.1	430.2	249.9	219.8	216.0	279.9	293.1	281.8	263.0	263.0
62.5°	2530.5	1876.7	360.7	234.8	206.6	210.4	278.0	308.1	304.3	294.9	294.9
65°	2547.4	1829.8	302.5	221.7	195.4	208.5	274.3	323.1	325.0	340.0	341.9
67.5°	2457.2	1679.5	257.4	210.4	186.0	202.9	276.2	355.1	364.4	392.6	388.9
70°	2209.2	1435.2	223.6	197.3	178.5	204.8	310.0	394.5	392.6	428.3	432.1
72.5°	1844.8	1136.5	202.9	189.7	182.2	219.8	349.4	405.8	398.3	437.7	434.0
75°	1399.6	802.2	186.0	180.3	176.6	223.6	358.8	394.5	379.5	405.8	402.0
77.5°	920.5	527.9	169.1	169.1	171.0	214.2	343.8	375.7	356.9	373.8	372.0
80°	518.5	313.7	152.2	159.7	163.4	204.8	321.2	349.4	330.6	343.8	343.8
82.5°	311.8	223.6	133.4	146.5	150.3	202.9	300.6	325.0	308.1	315.6	306.2
85°	212.3	163.4	105.2	124.0	140.9	195.4	283.7	300.6	270.5	264.9	257.4
87.5°	172.8	127.7	58.2	78.9	105.2	167.2	225.4	227.3	199.1	195.4	193.5
90°	169.1	118.4	41.3	43.2	69.5	116.5	148.4	142.8	133.4	135.3	133.4
92.5°	165.3	112.7	45.1	47.0	69.5	92.1	125.9	124.0	114.6	124.0	122.1
95°	140.9	97.7	47.0	50.7	60.1	56.4	92.1	97.7	90.2	95.8	97.7
97.5°	73.3	52.6	45.1	50.7	45.1	33.8	54.5	62.0	47.0	37.6	41.3
100°	24.4	16.9	45.1	52.6	33.8	24.4	39.5	45.1	28.2	11.3	11.3
102.5°	15.0	15.0	31.9	41.3	24.4	13.2	26.3	31.9	20.7	9.4	9.4
105°	15.0	15.0	13.2	22.5	9.4	7.5	9.4	16.9	11.3	9.4	9.4
107.5°	16.9	15.0	7.5	7.5	7.5	5.6	5.6	7.5	7.5	9.4	9.4
110°	15.0	13.2	7.5	7.5	5.6	5.6	5.6	5.6	7.5	11.3	11.3

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 CATALOG NUMBER: LXF.LXT-PA16-50-730-U-T3-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	9.4	11.3	7.5	5.6	5.6	5.6	5.6	5.6	7.5	11.3	11.3
115°	9.4	9.4	5.6	5.6	3.8	5.6	5.6	5.6	7.5	11.3	13.2
117.5°	11.3	9.4	5.6	3.8	3.8	3.8	3.8	5.6	7.5	13.2	13.2
120°	11.3	9.4	5.6	5.6	3.8	3.8	3.8	5.6	7.5	13.2	15.0
122.5°	11.3	9.4	5.6	3.8	3.8	3.8	3.8	5.6	7.5	13.2	15.0
125°	9.4	9.4	5.6	3.8	3.8	3.8	3.8	5.6	7.5	13.2	13.2
127.5°	9.4	9.4	5.6	3.8	3.8	3.8	3.8	5.6	7.5	13.2	13.2
130°	9.4	7.5	5.6	3.8	3.8	3.8	3.8	5.6	7.5	11.3	13.2
132.5°	7.5	7.5	5.6	3.8	3.8	3.8	3.8	3.8	7.5	11.3	11.3
135°	5.6	5.6	3.8	3.8	3.8	3.8	3.8	3.8	5.6	7.5	9.4
137.5°	3.8	3.8	3.8	3.8	1.9	1.9	3.8	3.8	5.6	5.6	7.5
140°	3.8	3.8	3.8	3.8	1.9	1.9	3.8	3.8	3.8	5.6	5.6
142.5°	3.8	3.8	3.8	3.8	1.9	1.9	3.8	3.8	3.8	5.6	5.6
145°	3.8	3.8	3.8	3.8	1.9	1.9	3.8	3.8	3.8	5.6	5.6
147.5°	5.6	3.8	3.8	3.8	1.9	1.9	3.8	3.8	3.8	5.6	5.6
150°	5.6	3.8	3.8	1.9	1.9	1.9	1.9	3.8	3.8	5.6	5.6
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)