

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: P695324

Luminaire Tested: **LXF.LXT-PA16-50-727-U-T3-TL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695324
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-20)
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-T3-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 980mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS AND
TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4750 lumens
Efficiency: N/A
Efficacy: 89.5 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

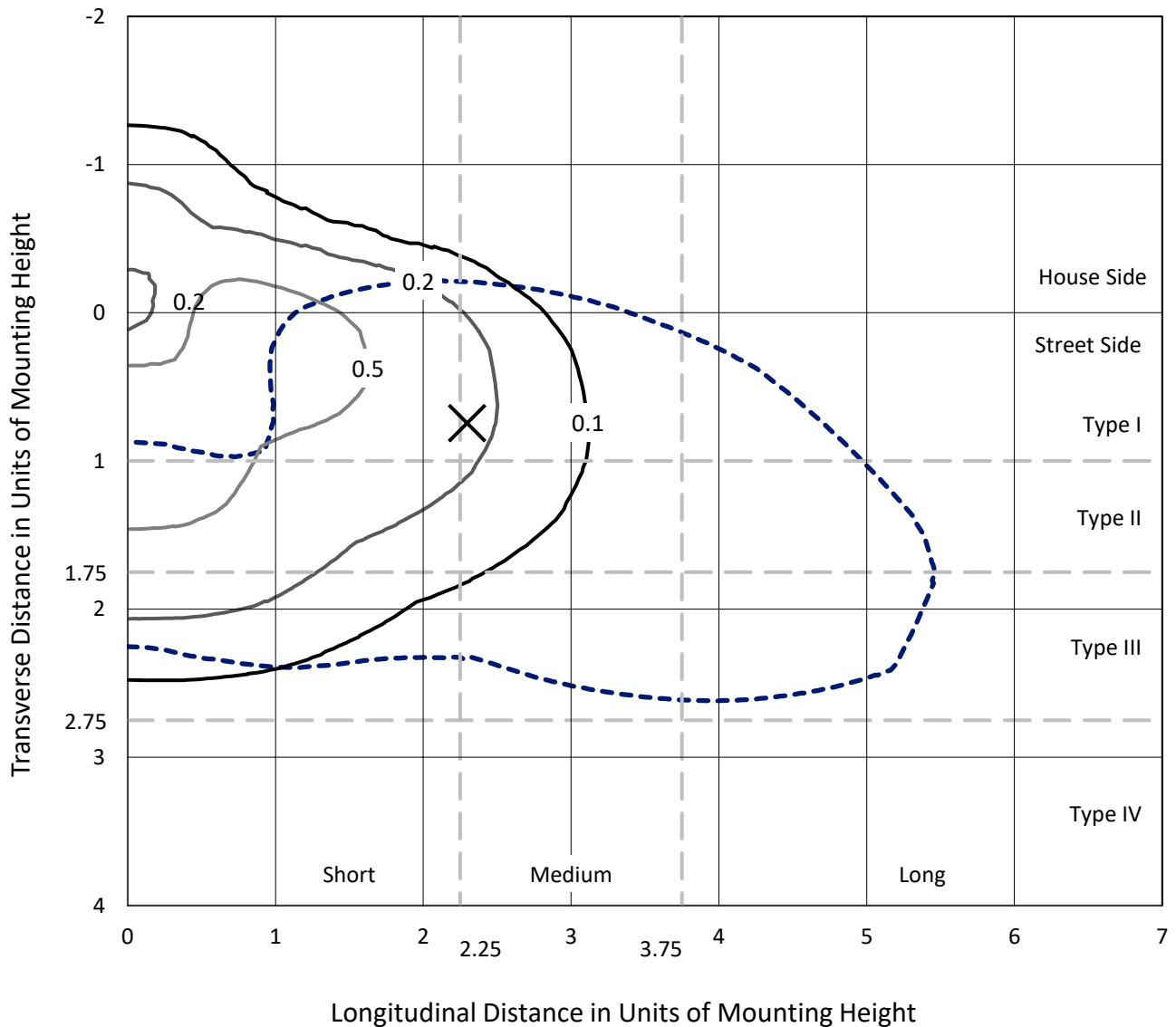
Input Watts (W): 53.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

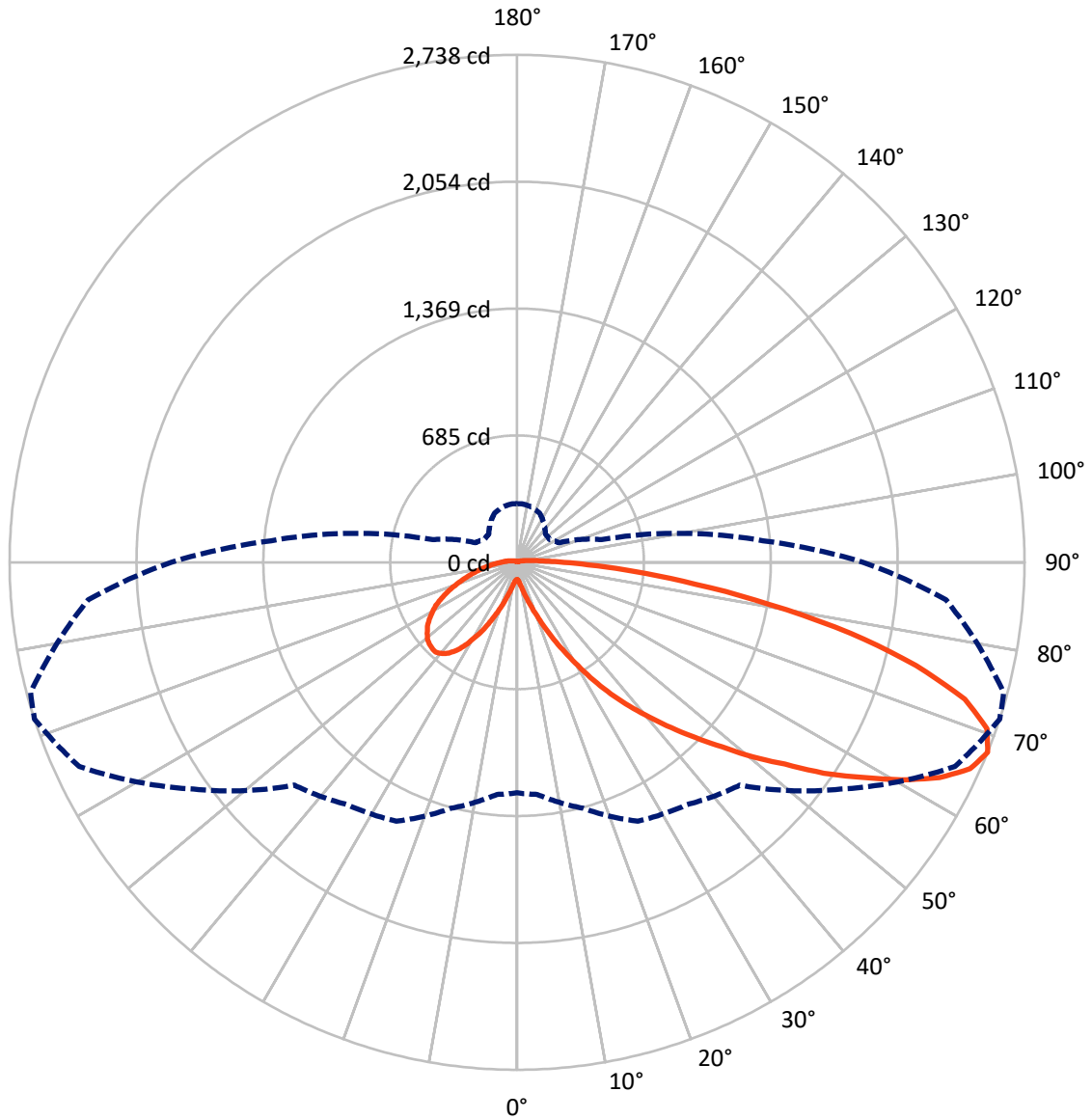
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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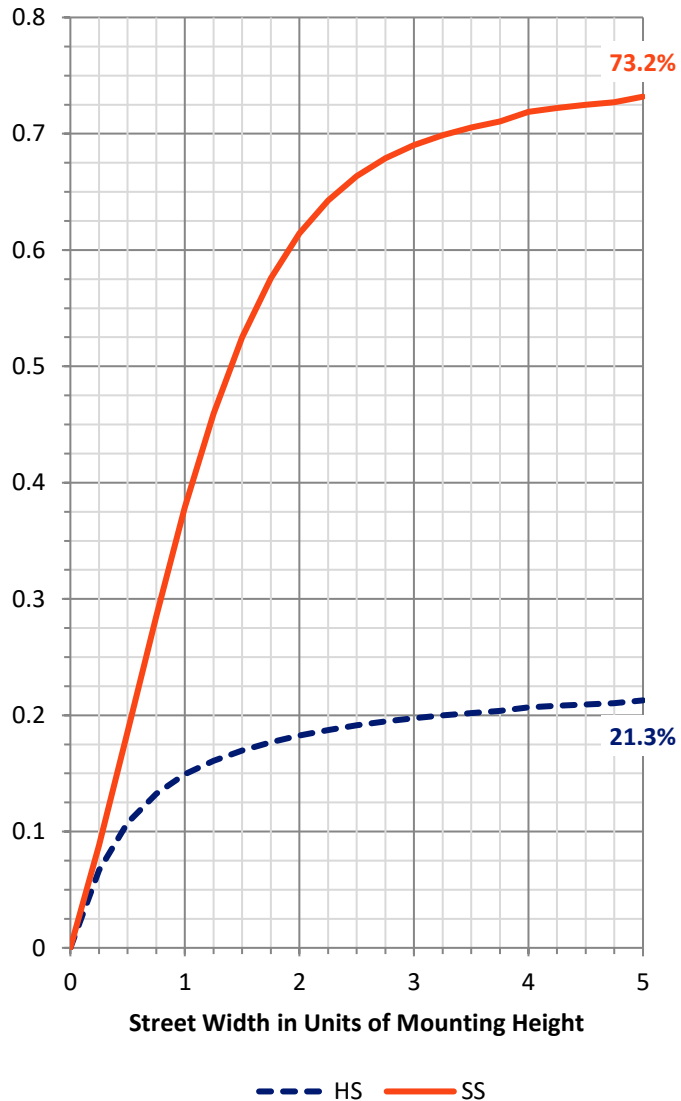
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1061.0	79.7	1140.7
	% Fixture	22.3	1.7	24.0
Street Side	Lumens	3535.9	73.4	3609.3
	% Fixture	74.4	1.5	76.0
Total	Lumens	4596.9	153.0	4750.0
	% Fixture	96.8	3.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.6	0.2
10°-20°	56.0	1.2
20°-30°	179.8	3.8
30°-40°	402.1	8.5
40°-50°	670.3	14.1
50°-60°	975.7	20.5
60°-70°	1169.4	24.6
70°-80°	839.6	17.7
80°-90°	293.4	6.2
90°-100°	80.3	1.7
100°-110°	34.4	0.7
110°-120°	17.7	0.4
120°-130°	10.5	0.2
130°-140°	6.5	0.1
140°-150°	3.3	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4596.9	96.8
0°-180°	4750.0	100.0

Coefficient of Utilization

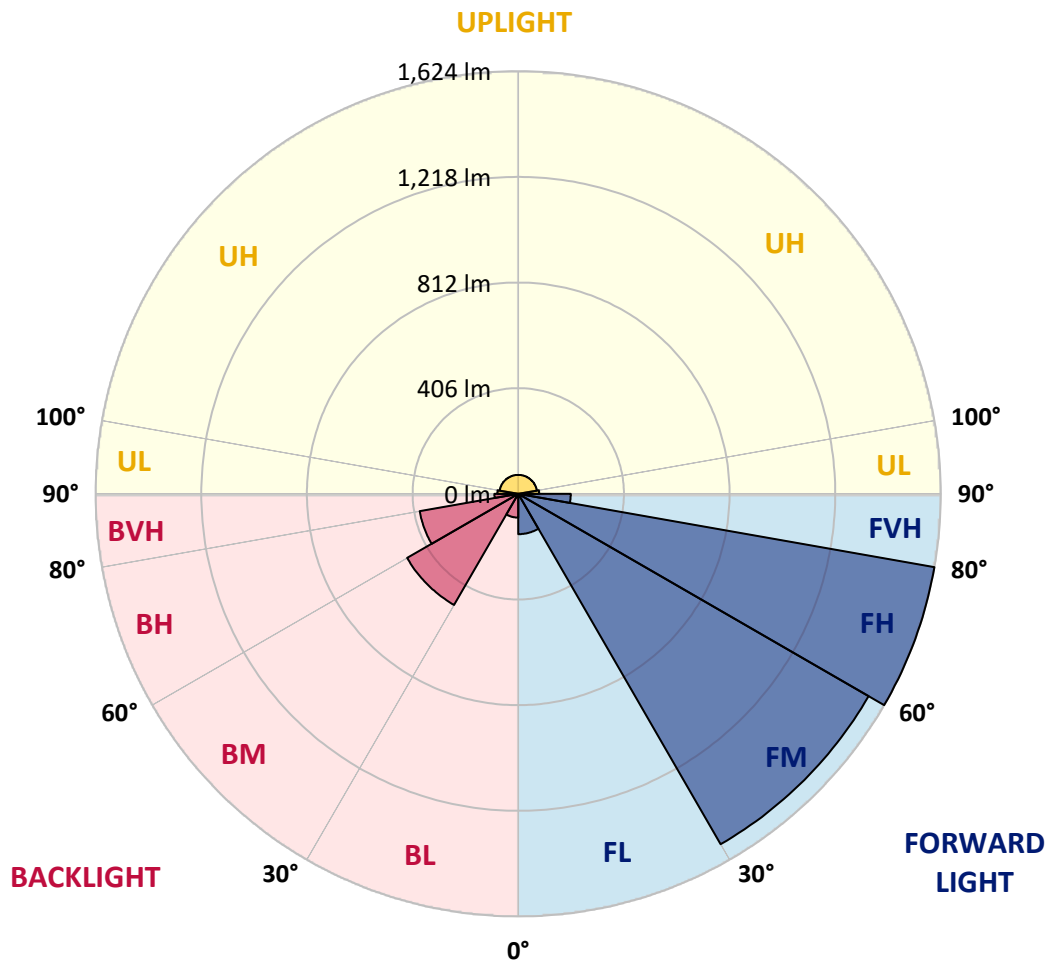


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	155.0	3.3			
FM (30°-60°)	1555.0	32.7			
FH (60°-80°)	1624.3	34.2			G1/1800
FVH (80°-90°)	201.7	4.2			G2/225
BL (0°-30°)	91.5	1.9	B0/110		
BM (30°-60°)	493.1	10.4	B1/1000		
BH (60°-80°)	384.7	8.1	B1/500		G1/500
BVH (80°-90°)	91.7	1.9			G1/100
UL (90°-100°)	80.3	1.7		U3/500	
UH (100°-180°)	72.7	1.5		U3/500	

BUG Rating: B1-U3-G2
 Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
2.5°	98.6	98.6	98.6	100.3	98.6	98.6	98.6	96.9	96.9	96.9	95.1
5°	114.2	114.2	112.4	112.4	110.7	110.7	109.0	107.2	105.5	103.8	102.1
7.5°	133.2	133.2	131.5	131.5	129.7	126.3	124.5	121.1	119.4	117.6	115.9
10°	162.6	160.9	160.9	159.1	155.7	152.2	148.8	143.6	140.1	138.4	134.9
12.5°	200.7	198.9	197.2	190.3	186.8	181.6	176.4	173.0	169.5	166.1	160.9
15°	249.1	247.4	242.2	237.0	224.9	219.7	212.8	211.0	207.6	205.8	197.2
17.5°	307.9	302.7	299.3	287.1	275.0	262.9	259.5	256.0	254.3	252.6	247.4
20°	380.6	375.4	368.5	346.0	332.1	318.3	309.6	311.4	309.6	309.6	304.4
22.5°	468.8	470.5	451.5	422.1	390.9	373.6	370.2	375.4	378.8	382.3	371.9
25°	576.0	574.3	544.9	505.1	465.3	441.1	437.6	448.0	460.1	467.1	458.4
27.5°	695.4	686.7	657.3	598.5	548.4	512.0	513.8	536.2	548.4	553.5	546.6
30°	819.9	816.5	773.2	702.3	629.7	584.7	591.6	624.5	647.0	659.1	641.8
32.5°	954.9	944.5	894.3	811.3	716.1	660.8	676.4	723.1	759.4	761.1	752.5
35°	1082.9	1082.9	1024.1	923.7	806.1	740.4	759.4	835.5	871.8	882.2	863.2
37.5°	1209.1	1200.5	1150.3	1025.8	896.0	818.2	844.2	934.1	984.3	994.6	970.4
40°	1314.7	1312.9	1255.8	1138.2	977.3	894.3	928.9	1039.6	1098.4	1115.7	1075.9
42.5°	1421.9	1415.0	1370.0	1236.8	1074.2	972.2	1018.9	1153.8	1219.5	1229.9	1188.4
45°	1501.5	1496.3	1463.4	1340.6	1165.9	1055.2	1114.0	1268.0	1349.3	1359.6	1295.6
47.5°	1577.6	1577.6	1549.9	1447.9	1261.0	1148.6	1223.0	1402.9	1487.6	1504.9	1432.3
50°	1652.0	1645.1	1638.1	1549.9	1357.9	1252.4	1330.2	1544.7	1650.2	1667.5	1567.2
52.5°	1695.2	1705.6	1714.3	1653.7	1466.9	1351.0	1460.0	1698.7	1809.4	1833.6	1724.6
55°	1735.0	1729.8	1769.6	1729.8	1560.3	1460.0	1605.3	1875.1	2008.3	2017.0	1894.2
57.5°	1733.3	1738.5	1797.3	1800.7	1652.0	1560.3	1741.9	2049.8	2188.2	2217.6	2049.8
60°	1691.8	1705.6	1781.7	1818.0	1724.6	1650.2	1883.8	2233.2	2383.7	2413.1	2203.8
62.5°	1607.0	1612.2	1721.2	1800.7	1745.4	1719.4	2010.0	2402.7	2558.4	2556.7	2321.4
65°	1447.9	1456.5	1572.4	1702.1	1707.3	1736.7	2096.5	2541.1	2686.4	2676.0	2359.5
67.5°	1243.7	1257.6	1373.5	1541.3	1596.6	1700.4	2132.9	2606.8	2738.3	2717.5	2323.1
70°	987.7	1022.3	1114.0	1290.4	1432.3	1584.5	2084.4	2589.5	2689.9	2662.2	2174.4
72.5°	726.5	742.1	839.0	1011.9	1186.7	1413.3	1927.0	2446.0	2527.3	2461.5	1940.9
75°	510.3	515.5	596.8	745.6	934.1	1179.7	1690.0	2167.5	2224.5	2160.5	1619.1
77.5°	314.8	325.2	389.2	512.0	686.7	941.0	1375.2	1805.9	1842.3	1759.2	1262.8
80°	193.7	200.7	245.6	339.0	477.4	686.7	1063.8	1371.7	1383.9	1326.8	903.0
82.5°	124.5	131.5	160.9	218.0	318.3	479.2	749.0	977.3	970.4	909.9	608.9
85°	81.3	86.5	105.5	145.3	211.0	330.4	499.9	648.7	633.1	588.1	396.1
87.5°	53.6	57.1	74.4	102.1	145.3	219.7	321.7	392.7	384.0	354.6	247.4
90°	36.3	38.1	51.9	70.9	102.1	150.5	207.6	237.0	221.4	209.3	160.9
92.5°	25.9	29.4	38.1	53.6	77.8	107.2	134.9	147.0	138.4	133.2	109.0
95°	20.8	20.8	31.1	43.2	60.5	81.3	95.1	95.1	90.0	88.2	79.6
97.5°	17.3	17.3	25.9	36.3	50.2	64.0	69.2	67.5	64.0	65.7	60.5
100°	13.8	15.6	22.5	31.1	41.5	51.9	53.6	50.2	48.4	48.4	46.7
102.5°	12.1	13.8	20.8	27.7	36.3	43.2	45.0	41.5	38.1	38.1	36.3
105°	12.1	12.1	17.3	24.2	31.1	36.3	36.3	32.9	31.1	29.4	27.7
107.5°	10.4	10.4	15.6	22.5	27.7	31.1	31.1	27.7	24.2	24.2	22.5
110°	8.6	10.4	13.8	19.0	24.2	27.7	27.7	24.2	20.8	19.0	19.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	8.6	8.6	12.1	17.3	20.8	24.2	22.5	19.0	17.3	15.6	15.6
115°	8.6	8.6	10.4	15.6	19.0	20.8	20.8	17.3	13.8	13.8	13.8
117.5°	8.6	8.6	10.4	13.8	17.3	19.0	17.3	15.6	12.1	12.1	12.1
120°	8.6	8.6	10.4	12.1	15.6	17.3	15.6	13.8	10.4	10.4	12.1
122.5°	6.9	8.6	8.6	12.1	13.8	15.6	13.8	12.1	10.4	10.4	10.4
125°	6.9	8.6	8.6	10.4	12.1	13.8	12.1	10.4	8.6	8.6	10.4
127.5°	6.9	6.9	8.6	10.4	12.1	12.1	12.1	10.4	8.6	8.6	10.4
130°	6.9	8.6	8.6	8.6	10.4	12.1	10.4	8.6	8.6	8.6	8.6
132.5°	6.9	6.9	8.6	8.6	10.4	10.4	8.6	8.6	6.9	6.9	8.6
135°	6.9	6.9	6.9	8.6	8.6	8.6	8.6	6.9	6.9	6.9	8.6
137.5°	6.9	6.9	6.9	6.9	8.6	8.6	6.9	6.9	6.9	6.9	6.9
140°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	5.2	6.9	6.9	6.9
142.5°	6.9	6.9	6.9	5.2	6.9	5.2	5.2	5.2	5.2	5.2	6.9
145°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
147.5°	5.2	5.2	5.2	5.2	5.2	5.2	3.5	3.5	5.2	5.2	5.2
150°	3.5	3.5	3.5	3.5	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°	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
2.5°	93.4	93.4	93.4	91.7	91.7	91.7	90.0	90.0	90.0	90.0	90.0
5°	102.1	100.3	98.6	96.9	93.4	93.4	91.7	91.7	90.0	90.0	90.0
7.5°	114.2	112.4	109.0	105.5	102.1	98.6	96.9	95.1	93.4	93.4	93.4
10°	131.5	129.7	122.8	117.6	112.4	109.0	105.5	103.8	102.1	100.3	100.3
12.5°	157.4	155.7	147.0	136.7	128.0	121.1	115.9	114.2	112.4	110.7	112.4
15°	193.7	190.3	178.2	160.9	148.8	136.7	131.5	129.7	131.5	131.5	129.7
17.5°	242.2	233.5	214.5	192.0	173.0	157.4	150.5	150.5	150.5	152.2	152.2
20°	297.5	288.9	261.2	230.1	198.9	179.9	171.3	171.3	173.0	174.7	178.2
22.5°	363.3	349.4	313.1	268.1	228.3	202.4	192.0	192.0	197.2	202.4	202.4
25°	444.6	427.3	373.6	307.9	257.7	224.9	211.0	212.8	221.4	226.6	228.3
27.5°	532.8	510.3	439.4	354.6	283.7	242.2	228.3	231.8	242.2	250.8	250.8
30°	633.1	595.1	499.9	394.4	306.2	256.0	242.2	249.1	261.2	271.6	273.3
32.5°	724.8	686.7	569.1	432.5	325.2	264.7	250.8	261.2	275.0	287.1	287.1
35°	826.9	778.4	626.2	461.9	335.6	269.9	256.0	269.9	285.4	295.8	295.8
37.5°	925.5	858.0	671.2	479.2	339.0	269.9	257.7	275.0	288.9	297.5	299.3
40°	1015.4	935.8	704.0	484.3	335.6	266.4	257.7	275.0	288.9	294.1	295.8
42.5°	1112.3	1001.6	728.3	479.2	326.9	261.2	256.0	273.3	285.4	287.1	288.9
45°	1209.1	1074.2	735.2	461.9	314.8	254.3	250.8	268.1	278.5	278.5	278.5
47.5°	1314.7	1145.1	735.2	441.1	299.3	247.4	247.4	264.7	271.6	269.9	269.9
50°	1425.4	1212.6	730.0	416.9	285.4	240.4	242.2	261.2	268.1	262.9	262.9
52.5°	1541.3	1285.3	712.7	387.5	269.9	233.5	240.4	259.5	266.4	261.2	261.2
55°	1681.4	1356.2	693.7	359.8	256.0	228.3	238.7	259.5	266.4	261.2	261.2
57.5°	1780.0	1418.5	664.3	333.9	245.6	224.9	238.7	262.9	269.9	266.4	266.4
60°	1894.2	1460.0	626.2	307.9	235.3	221.4	242.2	266.4	276.8	276.8	276.8
62.5°	1956.4	1470.3	586.4	285.4	228.3	219.7	245.6	273.3	287.1	288.9	290.6
65°	1956.4	1425.4	531.1	266.4	221.4	218.0	249.1	282.0	299.3	304.4	306.2
67.5°	1868.2	1332.0	472.2	249.1	214.5	216.2	252.6	290.6	307.9	316.6	316.6
70°	1722.9	1184.9	410.0	231.8	207.6	214.5	254.3	294.1	313.1	321.7	321.7
72.5°	1484.2	1013.7	351.2	218.0	200.7	211.0	252.6	294.1	311.4	318.3	316.6
75°	1202.2	809.6	294.1	202.4	192.0	202.4	243.9	285.4	299.3	302.7	302.7
77.5°	935.8	617.5	247.4	185.1	179.9	192.0	231.8	268.1	280.2	282.0	280.2
80°	666.0	446.3	207.6	169.5	166.1	176.4	211.0	242.2	252.6	254.3	250.8
82.5°	448.0	320.0	169.5	148.8	148.8	159.1	188.6	212.8	221.4	219.7	218.0
85°	290.6	216.2	138.4	128.0	129.7	140.1	160.9	179.9	185.1	183.4	178.2
87.5°	190.3	152.2	110.7	109.0	110.7	119.4	134.9	145.3	152.2	148.8	147.0
90°	129.7	109.0	90.0	90.0	93.4	100.3	110.7	115.9	117.6	117.6	115.9
92.5°	95.1	84.8	74.4	74.4	79.6	84.8	90.0	91.7	95.1	93.4	91.7
95°	72.7	69.2	62.3	62.3	67.5	72.7	74.4	72.7	76.1	76.1	74.4
97.5°	57.1	57.1	53.6	53.6	57.1	60.5	62.3	60.5	62.3	60.5	60.5
100°	45.0	45.0	46.7	46.7	48.4	51.9	51.9	51.9	51.9	50.2	48.4
102.5°	36.3	38.1	39.8	41.5	43.2	43.2	45.0	43.2	43.2	39.8	39.8
105°	29.4	29.4	32.9	34.6	36.3	38.1	38.1	38.1	36.3	32.9	32.9
107.5°	24.2	25.9	27.7	31.1	31.1	32.9	34.6	32.9	29.4	25.9	27.7
110°	19.0	20.8	24.2	25.9	27.7	29.4	29.4	27.7	24.2	22.5	22.5

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 CATALOG NUMBER: LXF.LXT-PA16-50-727-U-T3-TL

CANDELA DISTRIBUTION (continued):

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