

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: P695329

Luminaire Tested: **LXF.LXT-PA16-50-727-U-T4W-TL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695329
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-PA16-50-727-U-T4W-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 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: 4785 lumens
Efficiency: N/A
Efficacy: 90.1 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

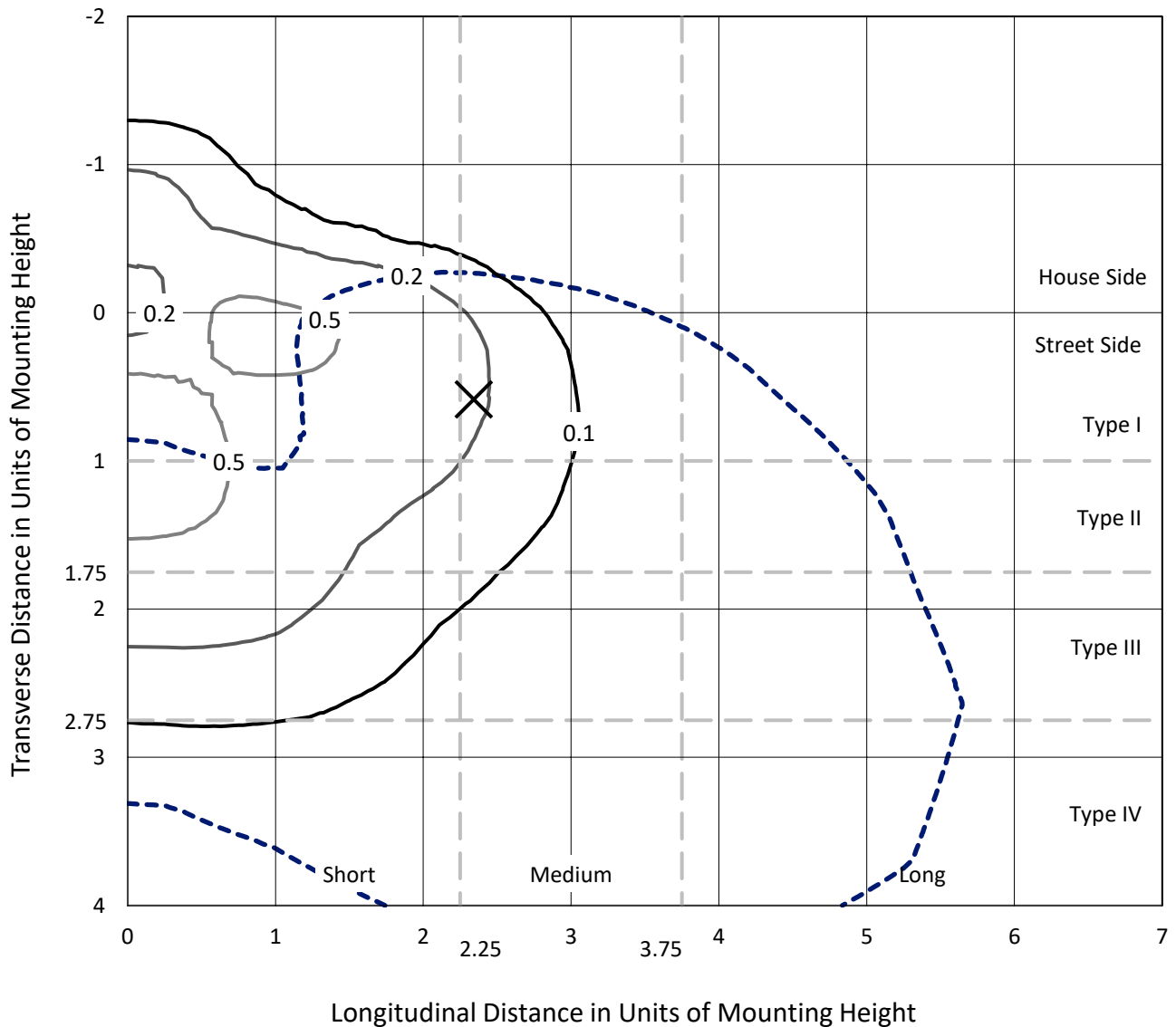
Input Watts (W): 53.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

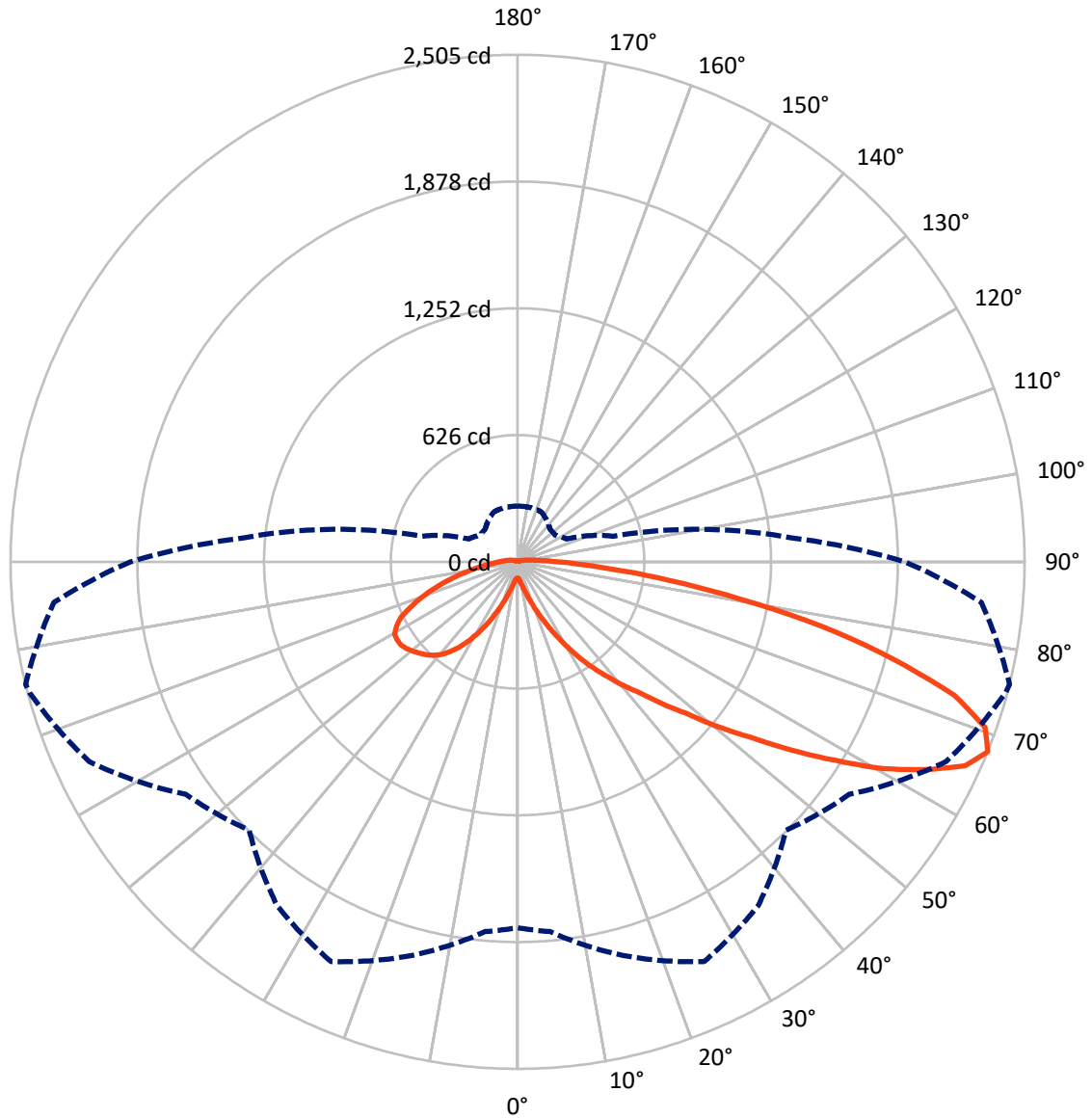
× Max cd
 - - - 1/2 Max cd



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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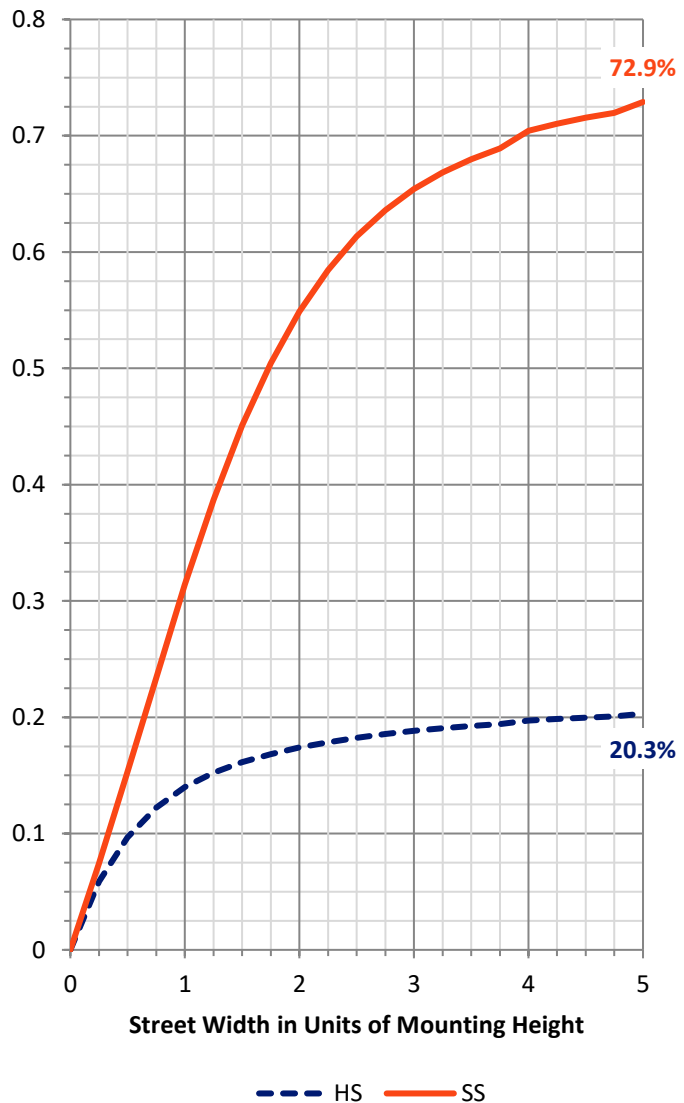
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1024.7	82.6	1107.4
	% Fixture	21.4	1.7	23.1
Street Side	Lumens	3594.1	83.5	3677.6
	% Fixture	75.1	1.7	76.9
Total	Lumens	4618.9	166.1	4785.0
	% Fixture	96.5	3.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.1	0.2
10°-20°	47.2	1.0
20°-30°	149.3	3.1
30°-40°	332.9	7.0
40°-50°	571.3	11.9
50°-60°	891.1	18.6
60°-70°	1220.1	25.5
70°-80°	1022.6	21.4
80°-90°	375.2	7.8
90°-100°	94.5	2.0
100°-110°	36.0	0.8
110°-120°	17.2	0.4
120°-130°	9.7	0.2
130°-140°	5.7	0.1
140°-150°	2.9	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4618.9	96.5
0°-180°	4785.0	100.0

Coefficient of Utilization

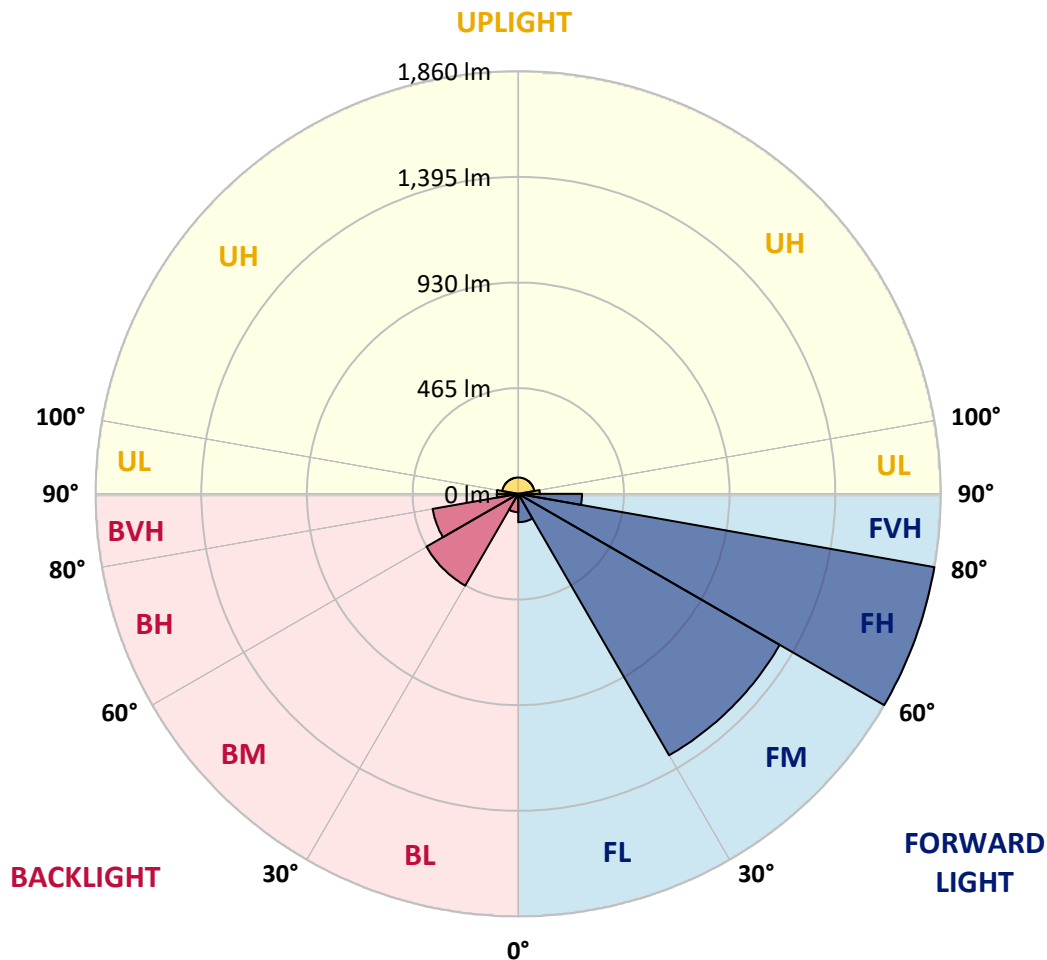


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	124.9	2.6			
FM (30°-60°)	1328.7	27.8			
FH (60°-80°)	1860.0	38.9			G2/5000
FVH (80°-90°)	280.5	5.9			G3/500
BL (0°-30°)	80.7	1.7	B0/110		
BM (30°-60°)	466.6	9.8	B1/1000		
BH (60°-80°)	382.7	8.0	B1/500		G1/500
BVH (80°-90°)	94.7	2.0			G1/100
UL (90°-100°)	94.5	2.0		U3/500	
UH (100°-180°)	71.6	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°	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
2.5°	84.8	84.8	84.8	84.8	86.5	84.8	84.8	83.0	83.0	81.3	81.3
5°	96.9	96.9	96.9	96.9	96.9	95.1	93.4	91.7	89.9	88.2	88.2
7.5°	114.2	114.2	114.2	112.4	110.7	109.0	107.2	103.8	100.3	100.3	96.9
10°	138.4	138.4	138.4	136.6	131.5	128.0	124.5	119.3	117.6	115.9	112.4
12.5°	171.2	171.2	167.8	164.3	157.4	152.2	147.0	141.8	140.1	138.4	133.2
15°	212.7	211.0	207.6	197.2	190.3	181.6	176.4	171.2	166.0	166.0	164.3
17.5°	262.9	261.2	252.5	238.7	228.3	214.5	207.6	204.1	204.1	202.4	198.9
20°	323.4	323.4	311.3	290.6	269.8	252.5	247.3	245.6	245.6	247.3	242.2
22.5°	401.3	399.6	382.3	347.7	318.3	295.8	290.6	290.6	295.8	295.8	294.0
25°	487.8	486.0	454.9	416.9	370.1	345.9	333.8	342.5	354.6	356.3	358.0
27.5°	593.3	586.4	550.0	491.2	430.7	392.6	384.0	397.8	422.0	420.3	423.8
30°	702.2	698.8	648.6	576.0	494.7	442.8	435.9	461.8	489.5	491.2	499.9
32.5°	830.2	811.2	764.5	667.7	560.4	496.4	486.0	524.1	565.6	569.1	577.7
35°	958.2	956.5	880.4	766.2	629.6	546.6	537.9	582.9	641.7	643.4	655.5
37.5°	1088.0	1081.0	1008.4	863.1	705.7	603.7	589.8	648.6	714.4	717.8	735.1
40°	1224.6	1216.0	1138.1	966.9	785.3	665.9	650.4	719.5	795.6	802.6	823.3
42.5°	1344.0	1342.2	1267.8	1081.0	863.1	726.5	716.1	790.5	880.4	883.9	915.0
45°	1475.4	1452.9	1383.7	1195.2	960.0	800.8	790.5	882.1	984.2	998.0	1024.0
47.5°	1579.2	1568.8	1504.8	1319.7	1058.6	882.1	871.8	980.7	1105.3	1117.4	1139.9
50°	1684.7	1672.6	1615.5	1437.4	1165.8	977.3	975.5	1105.3	1257.5	1276.5	1300.7
52.5°	1771.2	1764.3	1729.7	1563.6	1280.0	1072.4	1091.4	1252.3	1425.2	1439.1	1463.3
55°	1852.5	1847.3	1840.4	1703.7	1416.6	1198.7	1214.2	1416.6	1615.5	1641.5	1679.5
57.5°	1913.0	1921.7	1935.5	1840.4	1560.2	1324.9	1357.8	1617.2	1826.5	1850.7	1888.8
60°	1954.5	1968.4	2018.5	1977.0	1710.6	1465.0	1534.2	1802.3	2046.2	2073.9	2092.9
62.5°	1959.7	1982.2	2084.3	2092.9	1852.5	1612.1	1689.9	1999.5	2255.5	2260.7	2238.2
65°	1919.9	1937.2	2080.8	2163.8	1978.7	1755.6	1861.1	2201.9	2416.4	2428.5	2324.7
67.5°	1807.5	1833.5	2013.3	2179.4	2072.1	1875.0	2001.2	2335.1	2495.9	2504.6	2298.7
70°	1598.2	1644.9	1859.4	2089.4	2091.2	1940.7	2092.9	2392.1	2459.6	2449.2	2143.1
72.5°	1345.7	1357.8	1594.8	1902.6	2018.5	1939.0	2082.5	2322.9	2274.5	2255.5	1852.5
75°	984.2	1017.0	1238.4	1613.8	1845.6	1824.8	1959.7	2117.1	1951.1	1916.5	1510.0
77.5°	665.9	700.5	875.2	1238.4	1553.2	1620.7	1734.9	1781.6	1570.5	1541.1	1107.0
80°	418.6	442.8	565.6	864.8	1217.7	1323.2	1409.7	1380.3	1139.9	1112.2	787.0
82.5°	233.5	245.6	345.9	563.9	857.9	1006.7	1074.1	1001.5	785.3	754.1	510.3
85°	122.8	138.4	195.5	342.5	572.5	716.1	769.7	662.5	482.6	472.2	318.3
87.5°	67.5	74.4	112.4	205.8	354.6	486.0	510.3	416.9	299.2	285.4	202.4
90°	41.5	45.0	65.7	122.8	219.7	304.4	320.0	261.2	186.8	183.3	134.9
92.5°	27.7	29.4	45.0	79.6	138.4	195.5	205.8	162.6	122.8	119.3	96.9
95°	20.8	22.5	34.6	57.1	95.1	133.2	131.5	110.7	83.0	81.3	70.9
97.5°	17.3	19.0	29.4	45.0	69.2	89.9	89.9	72.6	60.5	60.5	55.3
100°	15.6	15.6	24.2	36.3	51.9	65.7	65.7	53.6	45.0	45.0	41.5
102.5°	13.8	13.8	20.8	31.1	41.5	51.9	50.2	41.5	34.6	34.6	32.9
105°	12.1	12.1	19.0	25.9	34.6	41.5	39.8	32.9	27.7	25.9	24.2
107.5°	10.4	10.4	15.6	22.5	31.1	34.6	32.9	27.7	20.8	20.8	19.0
110°	10.4	10.4	13.8	20.8	25.9	29.4	27.7	22.5	17.3	17.3	15.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
112.5°	8.6	8.6	12.1	17.3	22.5	25.9	24.2	19.0	13.8	13.8	13.8
115°	8.6	8.6	10.4	15.6	19.0	22.5	20.8	15.6	12.1	12.1	12.1
117.5°	8.6	8.6	10.4	13.8	17.3	19.0	17.3	13.8	10.4	10.4	10.4
120°	6.9	6.9	8.6	12.1	15.6	17.3	15.6	12.1	8.6	8.6	10.4
122.5°	6.9	6.9	8.6	10.4	13.8	15.6	13.8	10.4	8.6	8.6	8.6
125°	6.9	6.9	8.6	10.4	12.1	13.8	12.1	8.6	8.6	8.6	8.6
127.5°	6.9	6.9	6.9	8.6	10.4	12.1	10.4	8.6	6.9	6.9	8.6
130°	6.9	6.9	6.9	8.6	10.4	10.4	8.6	6.9	6.9	6.9	8.6
132.5°	6.9	6.9	6.9	6.9	8.6	8.6	8.6	6.9	6.9	6.9	6.9
135°	6.9	6.9	6.9	6.9	8.6	8.6	6.9	6.9	6.9	6.9	6.9
137.5°	6.9	5.2	5.2	6.9	6.9	6.9	6.9	5.2	5.2	5.2	6.9
140°	5.2	5.2	5.2	5.2	6.9	6.9	5.2	5.2	5.2	5.2	5.2
142.5°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
145°	5.2	5.2	5.2	3.5	5.2	5.2	3.5	3.5	3.5	5.2	5.2
147.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
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°	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
2.5°	81.3	79.6	79.6	79.6	79.6	77.8	77.8	77.8	77.8	76.1	77.8
5°	86.5	86.5	84.8	81.3	81.3	79.6	79.6	77.8	77.8	76.1	76.1
7.5°	96.9	95.1	91.7	89.9	86.5	84.8	83.0	81.3	81.3	79.6	79.6
10°	110.7	109.0	103.8	100.3	96.9	93.4	91.7	89.9	88.2	86.5	86.5
12.5°	131.5	128.0	122.8	114.2	110.7	105.5	102.1	100.3	100.3	100.3	98.6
15°	160.9	155.7	147.0	136.6	126.3	119.3	117.6	117.6	117.6	119.3	119.3
17.5°	195.5	188.5	178.2	160.9	147.0	138.4	136.6	136.6	138.4	141.8	141.8
20°	238.7	230.0	214.5	192.0	171.2	159.1	155.7	159.1	166.0	167.8	167.8
22.5°	288.9	281.9	256.0	223.1	197.2	181.6	178.2	181.6	190.3	197.2	198.9
25°	349.4	339.0	302.7	259.5	223.1	204.1	198.9	207.6	219.7	230.0	230.0
27.5°	416.9	404.7	354.6	297.5	249.1	223.1	217.9	230.0	250.8	262.9	264.6
30°	489.5	470.5	404.7	333.8	271.6	240.4	237.0	254.3	278.5	294.0	295.8
32.5°	569.1	537.9	456.6	366.7	292.3	252.5	250.8	273.3	302.7	321.7	323.4
35°	643.4	608.8	503.3	390.9	306.2	261.2	261.2	287.1	321.7	340.7	342.5
37.5°	716.1	671.1	543.1	409.9	313.1	264.6	266.4	297.5	332.1	351.1	352.9
40°	795.6	738.6	577.7	418.6	314.8	266.4	269.8	302.7	333.8	352.9	352.9
42.5°	878.7	809.5	600.2	418.6	311.3	264.6	268.1	301.0	330.4	344.2	345.9
45°	975.5	885.6	615.8	411.7	304.4	259.5	264.6	297.5	320.0	326.9	328.6
47.5°	1086.2	965.2	627.9	401.3	295.8	254.3	261.2	288.9	307.9	307.9	307.9
50°	1226.3	1055.1	638.2	384.0	285.4	249.1	256.0	281.9	292.3	288.9	288.9
52.5°	1378.5	1153.7	645.2	366.7	275.0	242.2	250.8	275.0	280.2	271.6	271.6
55°	1548.1	1269.6	645.2	349.4	264.6	237.0	247.3	268.1	269.8	261.2	257.7
57.5°	1710.6	1361.3	636.5	330.4	254.3	231.8	243.9	264.6	264.6	256.0	254.3
60°	1855.9	1446.0	622.7	313.1	247.3	228.3	243.9	262.9	262.9	256.0	256.0
62.5°	1959.7	1473.7	588.1	297.5	240.4	228.3	245.6	264.6	266.4	262.9	261.2
65°	1985.7	1459.8	548.3	280.2	233.5	226.6	249.1	269.8	271.6	269.8	269.8
67.5°	1913.0	1357.8	487.8	266.4	228.3	226.6	250.8	273.3	275.0	275.0	275.0
70°	1724.5	1205.6	432.4	250.8	223.1	224.9	254.3	276.7	276.7	276.7	276.7
72.5°	1458.1	1011.9	375.3	237.0	214.5	221.4	254.3	275.0	275.0	273.3	273.3
75°	1152.0	800.8	321.7	223.1	204.1	214.5	250.8	269.8	268.1	266.4	264.6
77.5°	852.7	595.0	269.8	204.1	192.0	205.8	240.4	257.7	256.0	254.3	250.8
80°	588.1	415.1	224.9	185.1	176.4	192.0	224.9	240.4	238.7	235.2	235.2
82.5°	382.3	285.4	181.6	162.6	159.1	176.4	207.6	219.7	216.2	212.7	211.0
85°	247.3	193.7	145.3	138.4	141.8	157.4	181.6	192.0	190.3	186.8	183.3
87.5°	162.6	138.4	114.2	114.2	121.1	138.4	155.7	160.9	159.1	159.1	155.7
90°	114.2	103.8	93.4	95.1	103.8	119.3	128.0	129.7	128.0	129.7	126.3
92.5°	84.8	79.6	76.1	79.6	88.2	100.3	105.5	102.1	103.8	103.8	102.1
95°	65.7	64.0	64.0	67.5	76.1	84.8	86.5	81.3	84.8	84.8	83.0
97.5°	51.9	51.9	53.6	57.1	64.0	70.9	70.9	67.5	69.2	69.2	69.2
100°	41.5	41.5	45.0	48.4	55.3	60.5	58.8	55.3	57.1	55.3	53.6
102.5°	32.9	34.6	38.1	41.5	46.7	50.2	50.2	46.7	46.7	45.0	45.0
105°	25.9	27.7	31.1	36.3	39.8	43.2	43.2	39.8	36.3	34.6	34.6
107.5°	20.8	22.5	25.9	29.4	34.6	36.3	36.3	32.9	29.4	25.9	25.9
110°	17.3	19.0	22.5	25.9	29.4	31.1	31.1	27.7	24.2	20.8	20.8

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 CATALOG NUMBER: LXF.LXT-PA16-50-727-U-T4W-TL

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)