

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: P695861

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

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695861
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-17)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-727-U-T3-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5997 lumens
Efficiency: N/A
Efficacy: 83.3 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 - G3

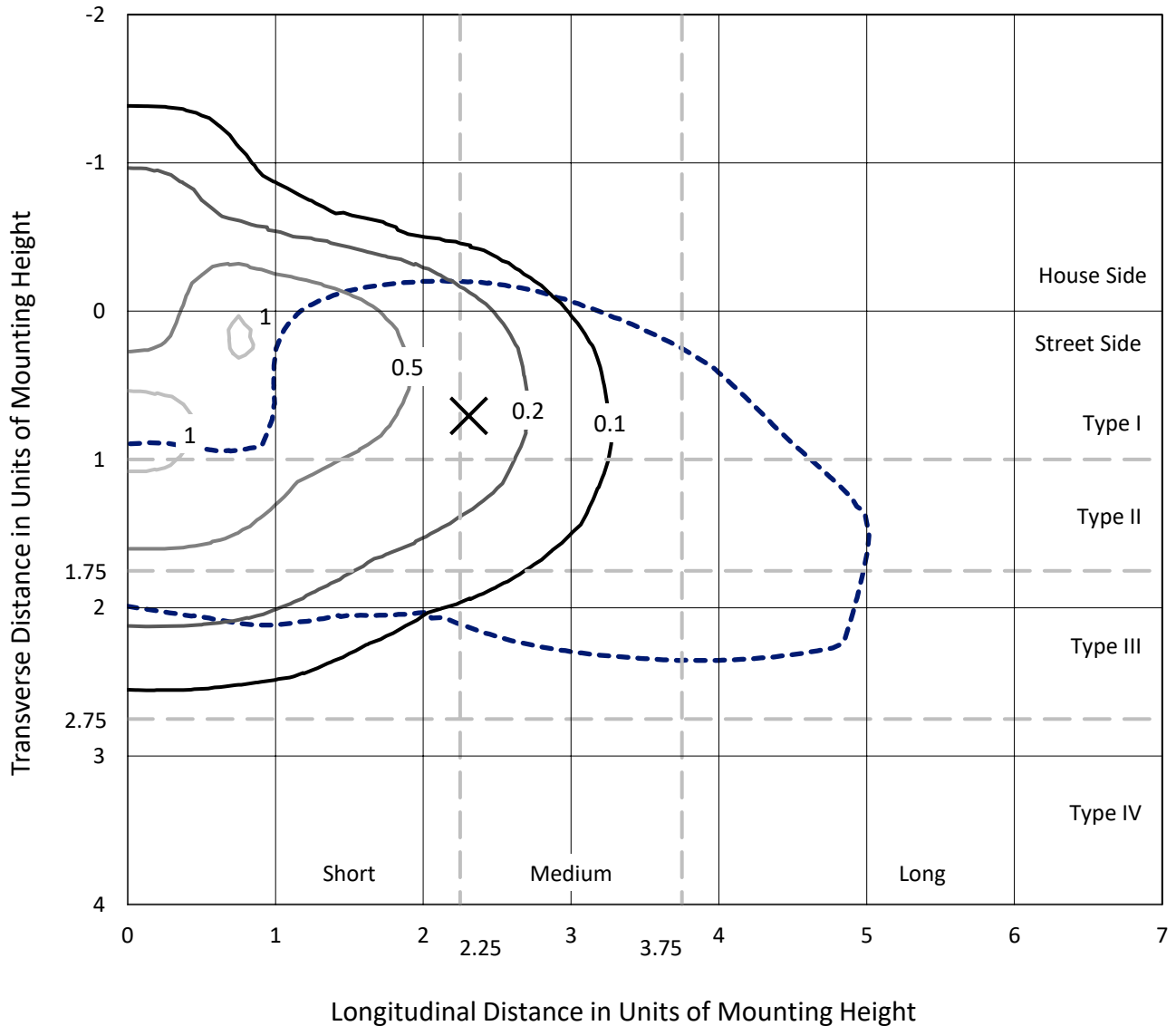
Input Watts (W): 72
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

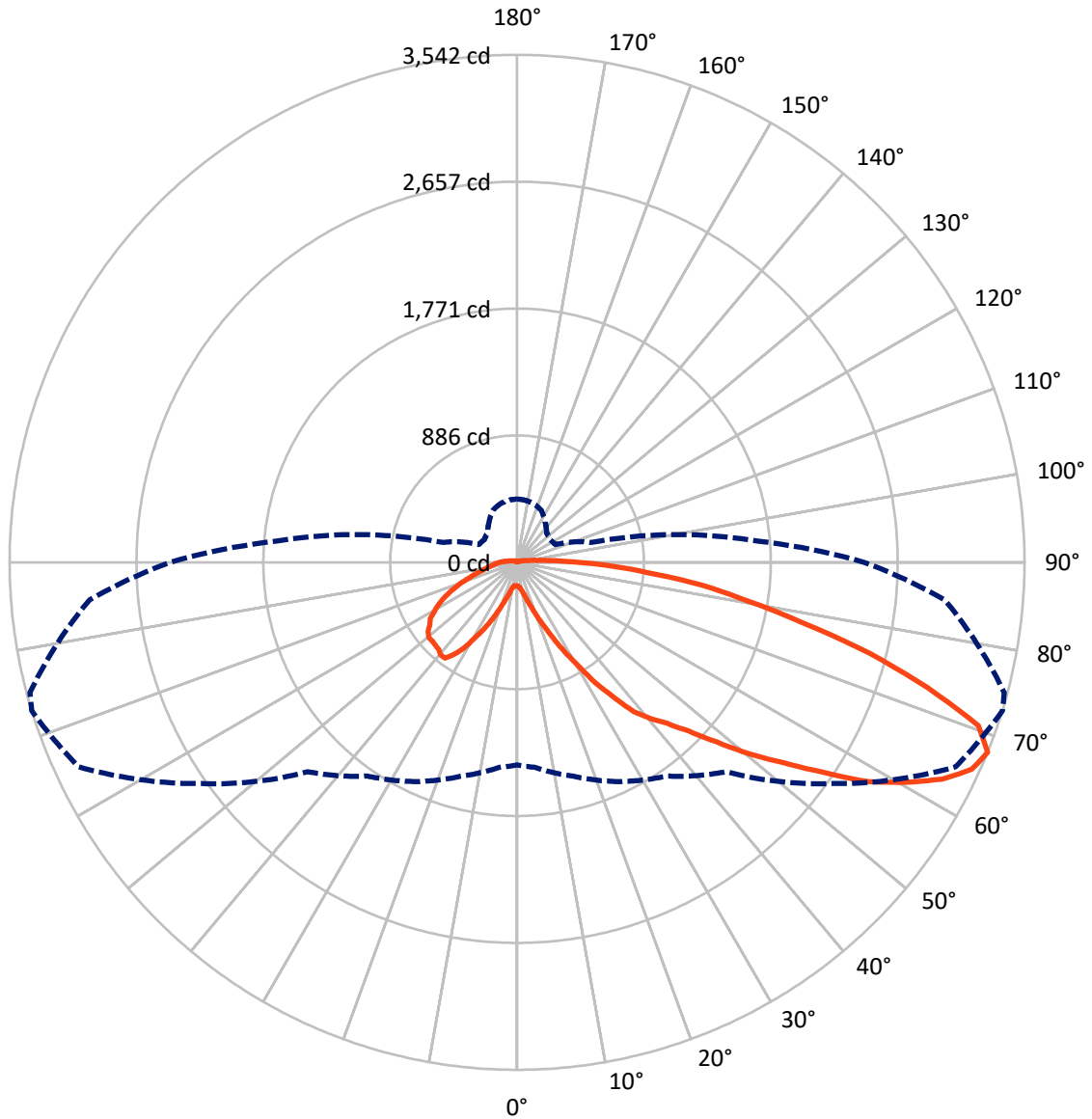
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 73-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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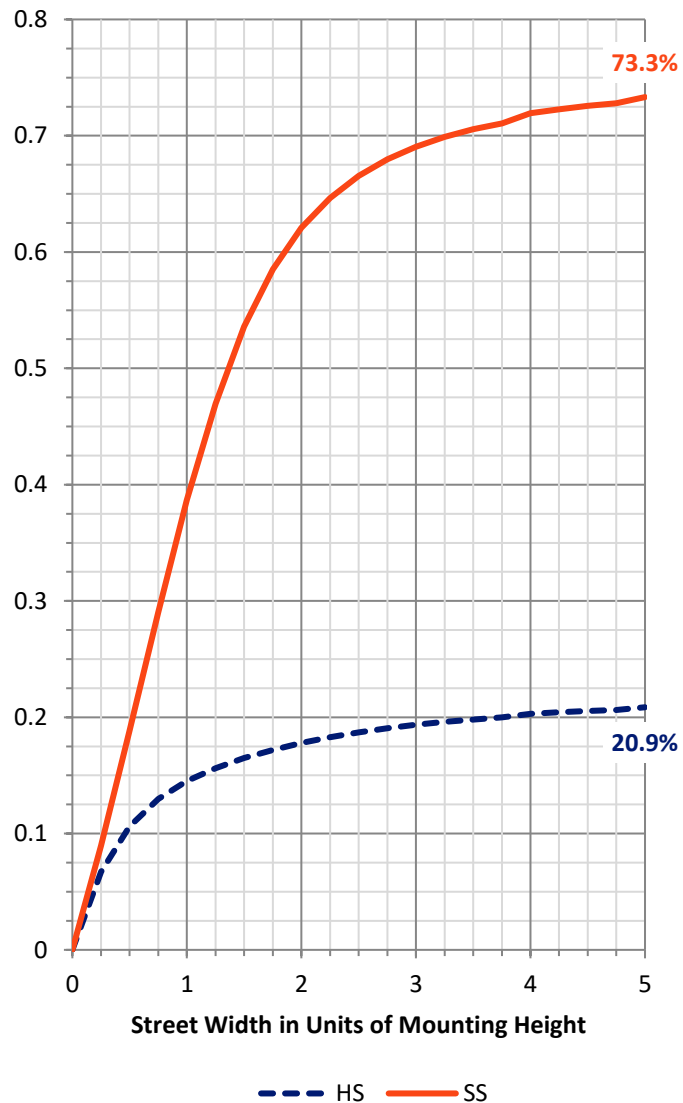
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1312.4	98.1	1410.4
	% Fixture	21.9	1.6	23.5
Street Side	Lumens	4486.1	100.4	4586.6
	% Fixture	74.8	1.7	76.5
Total	Lumens	5798.5	198.5	5997.0
	% Fixture	96.7	3.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.8	0.3
10°-20°	73.7	1.2
20°-30°	226.8	3.8
30°-40°	522.3	8.7
40°-50°	846.3	14.1
50°-60°	1255.4	20.9
60°-70°	1461.8	24.4
70°-80°	1004.1	16.7
80°-90°	391.2	6.5
90°-100°	111.0	1.9
100°-110°	40.6	0.7
110°-120°	20.9	0.3
120°-130°	13.1	0.2
130°-140°	8.7	0.1
140°-150°	4.0	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5798.5	96.7
0°-180°	5997.0	100.0

Coefficient of Utilization

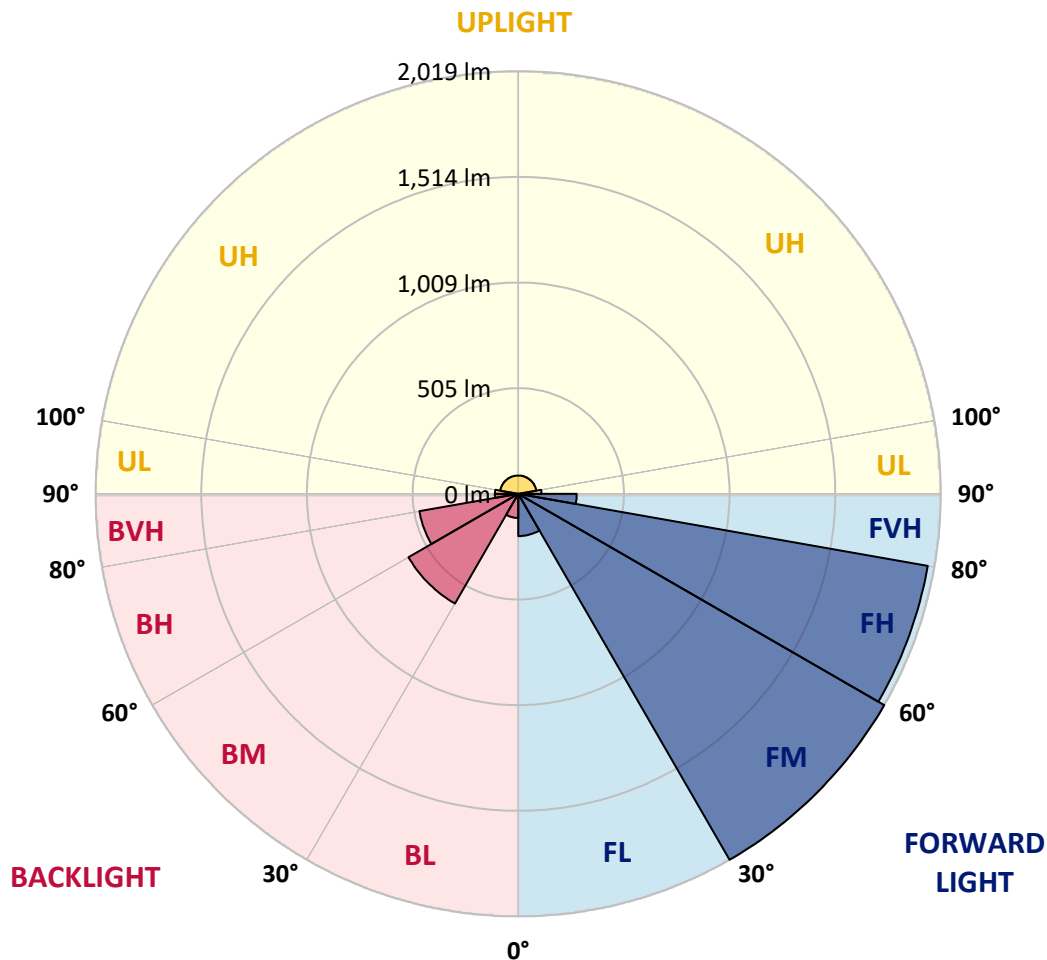


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	202.0	3.4			
FM (30°-60°)	2018.8	33.7			
FH (60°-80°)	1986.3	33.1			G2/5000
FVH (80°-90°)	279.0	4.7			G3/500
BL (0°-30°)	115.4	1.9	B1/500		
BM (30°-60°)	605.3	10.1	B1/1000		
BH (60°-80°)	479.6	8.0	B1/500		G1/500
BVH (80°-90°)	112.1	1.9			G2/225
UL (90°-100°)	111.0	1.9		U3/500	
UH (100°-180°)	87.5	1.5		U3/500	

BUG Rating: B1-U3-G3
 Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
0°	165.2	165.2	165.2	165.2	165.2	165.2	165.2	165.2	165.2	165.2	165.2
2.5°	173.8	176.0	176.0	176.0	176.0	173.8	171.7	169.5	169.5	167.3	165.2
5°	195.6	195.6	193.4	193.4	191.2	189.1	184.7	180.4	176.0	176.0	171.7
7.5°	215.1	217.3	217.3	213.0	210.8	206.4	199.9	193.4	189.1	186.9	180.4
10°	245.6	247.7	245.6	241.2	236.9	230.3	221.7	215.1	208.6	204.3	197.8
12.5°	286.8	286.8	284.7	276.0	267.3	260.8	252.1	245.6	236.9	236.9	228.2
15°	336.8	339.0	332.5	326.0	312.9	302.1	291.2	286.8	282.5	282.5	271.6
17.5°	399.8	402.0	393.3	375.9	360.7	352.0	345.5	339.0	334.7	334.7	323.8
20°	493.3	480.3	478.1	441.1	423.8	410.7	406.4	402.0	404.2	399.8	393.3
22.5°	597.6	588.9	575.9	532.4	499.8	480.3	473.7	475.9	482.4	482.4	480.3
25°	721.5	723.6	691.0	636.7	586.7	558.5	556.3	578.0	584.6	588.9	586.7
27.5°	862.7	871.4	819.3	760.6	691.0	643.2	647.6	684.5	706.3	708.4	706.3
30°	1045.3	1049.6	984.4	893.1	795.3	741.0	754.1	806.2	830.1	838.8	843.2
32.5°	1253.9	1253.9	1180.0	1060.5	914.9	838.8	851.8	943.1	999.6	997.4	1010.5
35°	1453.8	1438.6	1375.6	1223.4	1047.4	943.1	975.7	1080.0	1149.6	1162.6	1156.1
37.5°	1592.9	1603.7	1545.1	1397.3	1182.2	1051.8	1097.4	1230.0	1321.2	1321.2	1303.9
40°	1684.1	1697.2	1642.9	1516.8	1314.7	1171.3	1221.3	1364.7	1434.2	1438.6	1375.6
42.5°	1781.9	1792.8	1755.9	1625.5	1425.5	1284.3	1329.9	1466.8	1536.4	1534.2	1469.0
45°	1890.6	1905.8	1888.4	1755.9	1536.4	1390.8	1429.9	1588.5	1679.8	1695.0	1610.3
47.5°	2023.1	2034.0	2014.5	1884.1	1660.2	1499.4	1560.3	1753.7	1873.2	1875.4	1777.6
50°	2097.0	2118.8	2149.2	2047.0	1801.5	1621.1	1714.6	1962.3	2101.4	2127.5	1997.1
52.5°	2142.7	2166.6	2216.5	2194.8	1979.7	1781.9	1921.0	2201.3	2320.9	2357.8	2168.7
55°	2218.7	2244.8	2299.1	2268.7	2118.8	1966.6	2114.4	2444.7	2583.8	2601.2	2433.9
57.5°	2112.2	2138.3	2286.1	2344.8	2214.4	2127.5	2320.9	2716.4	2888.0	2914.1	2681.6
60°	2016.6	2034.0	2131.8	2299.1	2270.9	2242.6	2542.5	2977.1	3118.4	3127.1	2829.4
62.5°	1838.4	1877.5	1990.5	2127.5	2203.5	2283.9	2703.3	3183.6	3331.3	3346.6	2975.0
65°	1590.7	1618.9	1745.0	1940.6	2031.8	2216.5	2770.7	3350.9	3485.6	3476.9	3046.7
67.5°	1414.7	1436.4	1547.2	1688.5	1821.0	2066.6	2692.5	3377.0	3542.1	3520.4	2994.5
70°	1110.4	1136.5	1262.6	1484.2	1588.5	1831.9	2507.7	3272.7	3416.1	3396.5	2757.6
72.5°	884.4	908.3	1027.9	1214.8	1390.8	1586.4	2262.2	2940.2	2996.7	2946.7	2323.0
75°	647.6	680.2	760.6	930.1	1140.9	1371.2	1905.8	2499.0	2544.7	2496.9	1886.2
77.5°	447.7	449.8	521.5	682.3	864.9	1156.1	1582.0	2075.3	2044.9	1994.9	1442.9
80°	286.8	291.2	336.8	441.1	628.0	873.6	1277.8	1653.7	1625.5	1603.7	1106.1
82.5°	184.7	178.2	217.3	289.0	425.9	634.5	993.1	1325.6	1295.2	1243.0	836.6
85°	117.3	121.7	143.4	189.1	291.2	462.9	741.0	949.6	910.5	862.7	571.5
87.5°	89.1	91.3	104.3	134.7	197.8	326.0	506.3	660.6	634.5	588.9	384.6
90°	67.4	69.5	78.2	97.8	136.9	221.7	336.8	415.1	384.6	360.7	247.7
92.5°	47.8	50.0	58.7	73.9	102.1	154.3	217.3	243.4	226.0	217.3	160.8
95°	34.8	36.9	43.5	54.3	76.1	106.5	136.9	147.8	136.9	132.6	113.0
97.5°	28.3	30.4	32.6	41.3	58.7	78.2	93.4	95.6	93.4	89.1	84.8
100°	23.9	23.9	28.3	32.6	45.6	63.0	69.5	69.5	69.5	69.5	65.2
102.5°	19.6	19.6	23.9	28.3	36.9	50.0	54.3	54.3	52.2	54.3	52.2
105°	17.4	17.4	19.6	23.9	32.6	41.3	43.5	41.3	41.3	41.3	41.3
107.5°	15.2	15.2	17.4	21.7	28.3	34.8	36.9	34.8	32.6	32.6	34.8
110°	13.0	13.0	15.2	17.4	23.9	30.4	30.4	26.1	26.1	26.1	28.3

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
112.5°	13.0	13.0	15.2	17.4	21.7	26.1	23.9	21.7	21.7	21.7	23.9
115°	13.0	13.0	13.0	15.2	19.6	21.7	21.7	19.6	17.4	19.6	21.7
117.5°	13.0	13.0	13.0	15.2	17.4	19.6	19.6	17.4	15.2	17.4	19.6
120°	13.0	13.0	13.0	15.2	17.4	17.4	17.4	15.2	15.2	15.2	17.4
122.5°	10.9	10.9	13.0	13.0	15.2	15.2	15.2	13.0	13.0	13.0	17.4
125°	10.9	10.9	13.0	13.0	15.2	15.2	13.0	13.0	13.0	13.0	15.2
127.5°	13.0	13.0	13.0	13.0	13.0	13.0	13.0	10.9	13.0	13.0	15.2
130°	13.0	13.0	13.0	13.0	13.0	13.0	10.9	10.9	13.0	13.0	15.2
132.5°	13.0	13.0	13.0	13.0	13.0	10.9	10.9	10.9	10.9	13.0	13.0
135°	13.0	13.0	13.0	13.0	10.9	10.9	8.7	10.9	10.9	10.9	13.0
137.5°	10.9	10.9	10.9	10.9	10.9	8.7	8.7	8.7	8.7	10.9	10.9
140°	10.9	8.7	8.7	8.7	8.7	8.7	6.5	6.5	8.7	8.7	10.9
142.5°	8.7	8.7	8.7	8.7	6.5	6.5	6.5	6.5	6.5	8.7	8.7
145°	6.5	6.5	6.5	6.5	6.5	4.3	4.3	4.3	6.5	6.5	6.5
147.5°	6.5	4.3	6.5	4.3	4.3	4.3	4.3	4.3	4.3	4.3	6.5
150°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
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°	165.2	165.2	165.2	165.2	165.2	165.2	165.2	165.2	165.2	165.2	165.2
2.5°	165.2	163.0	163.0	160.8	158.6	158.6	156.5	156.5	156.5	156.5	154.3
5°	169.5	167.3	163.0	158.6	154.3	152.1	149.9	147.8	145.6	145.6	145.6
7.5°	176.0	173.8	167.3	160.8	154.3	147.8	143.4	141.3	139.1	136.9	136.9
10°	193.4	186.9	176.0	165.2	156.5	147.8	141.3	136.9	134.7	132.6	132.6
12.5°	217.3	215.1	197.8	180.4	165.2	152.1	143.4	141.3	139.1	139.1	136.9
15°	262.9	254.3	234.7	206.4	182.5	163.0	156.5	154.3	158.6	158.6	160.8
17.5°	312.9	302.1	276.0	241.2	208.6	186.9	178.2	180.4	184.7	189.1	189.1
20°	378.1	367.3	332.5	282.5	243.4	217.3	206.4	206.4	215.1	221.7	221.7
22.5°	467.2	447.7	397.7	330.3	278.2	247.7	232.5	230.3	241.2	247.7	247.7
25°	571.5	543.3	478.1	389.0	315.1	271.6	254.3	256.4	269.5	280.3	280.3
27.5°	680.2	649.8	558.5	443.3	349.9	289.0	273.8	282.5	299.9	310.8	312.9
30°	812.7	771.4	643.2	497.6	375.9	304.2	289.0	302.1	323.8	339.0	341.2
32.5°	962.7	910.5	749.7	552.0	395.5	312.9	297.7	323.8	349.9	371.6	371.6
35°	1106.1	1036.6	827.9	593.3	406.4	315.1	306.4	339.0	369.4	389.0	389.0
37.5°	1234.3	1145.2	893.1	615.0	406.4	315.1	308.6	345.5	373.8	386.8	384.6
40°	1284.3	1177.8	895.3	604.1	399.8	310.8	306.4	341.2	362.9	367.3	362.9
42.5°	1360.4	1230.0	880.1	567.2	378.1	304.2	299.9	326.0	339.0	339.0	334.7
45°	1477.7	1310.4	882.3	530.2	354.2	291.2	289.0	312.9	328.1	332.5	328.1
47.5°	1621.1	1410.3	884.4	497.6	332.5	280.3	282.5	310.8	326.0	321.6	319.4
50°	1810.2	1542.9	895.3	467.2	319.4	271.6	282.5	312.9	323.8	315.1	310.8
52.5°	1949.3	1621.1	875.8	439.0	310.8	269.5	286.8	317.3	323.8	310.8	310.8
55°	2153.5	1729.8	834.5	402.0	302.1	271.6	291.2	321.6	323.8	312.9	310.8
57.5°	2333.9	1827.6	810.6	369.4	293.4	276.0	297.7	328.1	332.5	326.0	323.8
60°	2416.5	1851.5	747.5	347.7	286.8	280.3	306.4	339.0	354.2	349.9	352.0
62.5°	2516.4	1855.8	686.7	328.1	284.7	284.7	317.3	360.7	380.3	380.3	382.5
65°	2509.9	1799.3	615.0	310.8	282.5	289.0	330.3	380.3	404.2	410.7	412.9
67.5°	2423.0	1688.5	536.8	293.4	278.2	291.2	341.2	399.8	428.1	439.0	441.1
70°	2153.5	1482.0	458.5	278.2	269.5	286.8	343.3	410.7	439.0	449.8	452.0
72.5°	1766.7	1175.6	373.8	256.4	254.3	273.8	334.7	404.2	425.9	430.3	434.6
75°	1410.3	932.3	310.8	232.5	232.5	252.1	310.8	371.6	386.8	391.2	384.6
77.5°	1056.1	706.3	258.6	210.8	210.8	230.3	280.3	328.1	341.2	339.0	341.2
80°	799.7	534.6	219.5	189.1	189.1	204.3	249.9	291.2	302.1	297.7	295.5
82.5°	599.8	399.8	191.2	169.5	169.5	182.5	217.3	252.1	260.8	260.8	254.3
85°	410.7	286.8	167.3	149.9	149.9	160.8	186.9	213.0	226.0	223.8	219.5
87.5°	286.8	217.3	147.8	134.7	132.6	141.3	160.8	184.7	199.9	202.1	197.8
90°	197.8	163.0	128.2	115.2	115.2	121.7	139.1	158.6	173.8	176.0	171.7
92.5°	139.1	123.9	106.5	97.8	95.6	104.3	115.2	128.2	136.9	136.9	139.1
95°	102.1	95.6	84.8	76.1	76.1	84.8	91.3	93.4	100.0	100.0	97.8
97.5°	78.2	76.1	69.5	60.8	58.7	67.4	69.5	71.7	76.1	73.9	71.7
100°	65.2	63.0	56.5	50.0	47.8	54.3	56.5	58.7	63.0	58.7	58.7
102.5°	52.2	52.2	47.8	41.3	41.3	45.6	47.8	50.0	52.2	50.0	47.8
105°	43.5	43.5	41.3	36.9	34.8	39.1	41.3	41.3	43.5	41.3	41.3
107.5°	34.8	36.9	34.8	30.4	30.4	32.6	34.8	34.8	34.8	34.8	34.8
110°	30.4	30.4	30.4	26.1	28.3	30.4	30.4	30.4	30.4	30.4	30.4

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 CATALOG NUMBER: LXF.LXT-PA16-727-U-T3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	26.1	26.1	26.1	23.9	23.9	26.1	26.1	26.1	26.1	26.1	26.1
115°	23.9	23.9	23.9	21.7	21.7	23.9	21.7	21.7	21.7	23.9	23.9
117.5°	21.7	21.7	21.7	19.6	19.6	19.6	19.6	19.6	19.6	21.7	21.7
120°	19.6	19.6	19.6	17.4	17.4	17.4	17.4	17.4	17.4	19.6	19.6
122.5°	17.4	17.4	17.4	17.4	15.2	17.4	15.2	15.2	15.2	17.4	17.4
125°	15.2	17.4	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	17.4
127.5°	15.2	15.2	15.2	15.2	13.0	13.0	13.0	13.0	13.0	15.2	15.2
130°	15.2	15.2	15.2	13.0	13.0	13.0	10.9	10.9	13.0	13.0	15.2
132.5°	15.2	15.2	13.0	13.0	10.9	10.9	10.9	10.9	13.0	13.0	13.0
135°	13.0	13.0	13.0	10.9	10.9	10.9	8.7	10.9	10.9	13.0	13.0
137.5°	10.9	10.9	10.9	10.9	8.7	8.7	8.7	8.7	10.9	10.9	10.9
140°	10.9	10.9	8.7	8.7	8.7	6.5	6.5	8.7	8.7	10.9	10.9
142.5°	8.7	8.7	8.7	6.5	6.5	6.5	6.5	6.5	8.7	8.7	8.7
145°	6.5	6.5	6.5	6.5	4.3	4.3	6.5	6.5	6.5	8.7	8.7
147.5°	6.5	6.5	6.5	4.3	4.3	4.3	4.3	6.5	6.5	6.5	6.5
150°	4.3	4.3	4.3	4.3	2.2	2.2	4.3	4.3	6.5	6.5	6.5
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)