

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: P695868

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

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695868
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-24)
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-T4W-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5915 lumens
Efficiency: N/A
Efficacy: 82.2 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

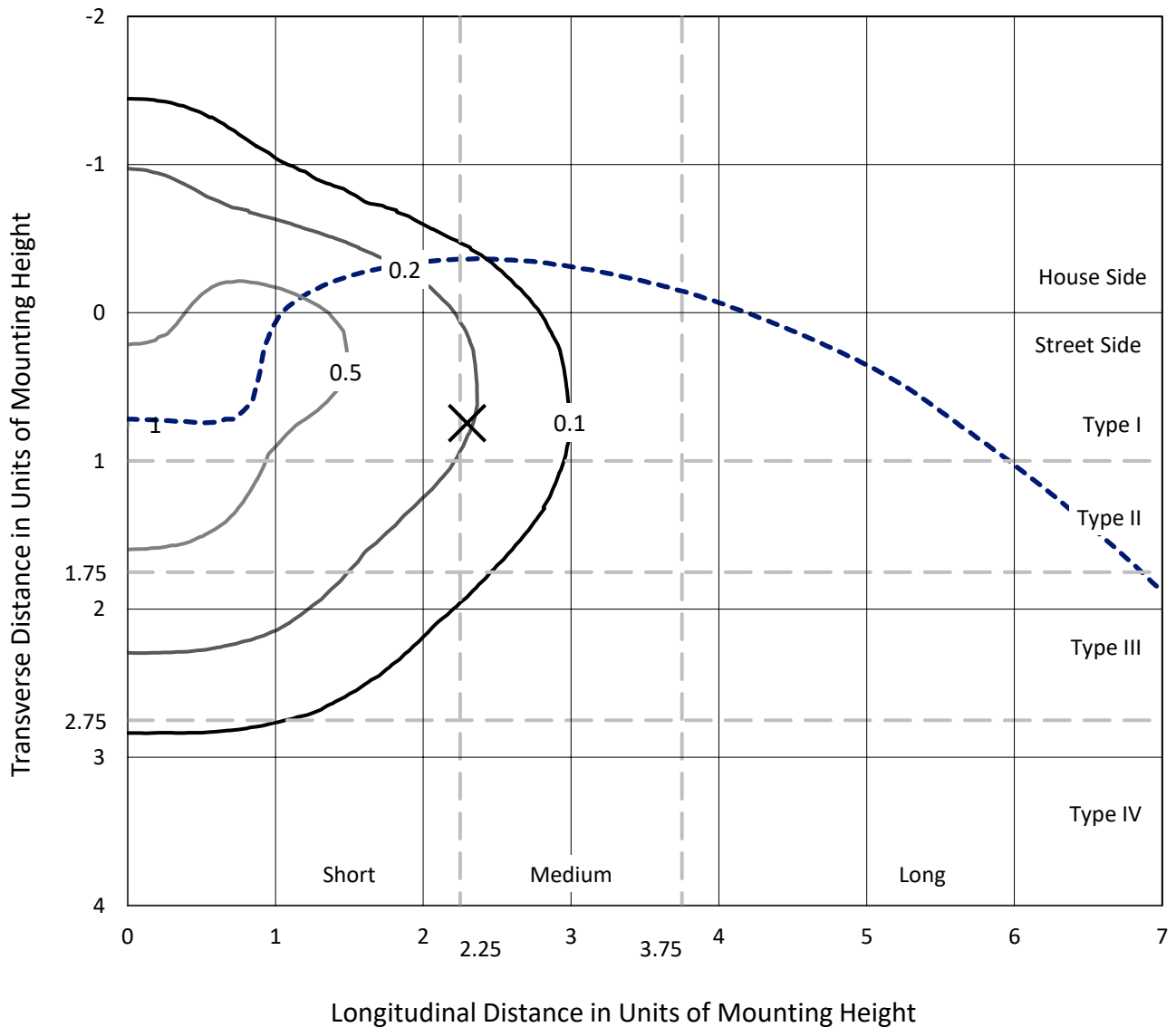
Input Watts (W): 72
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

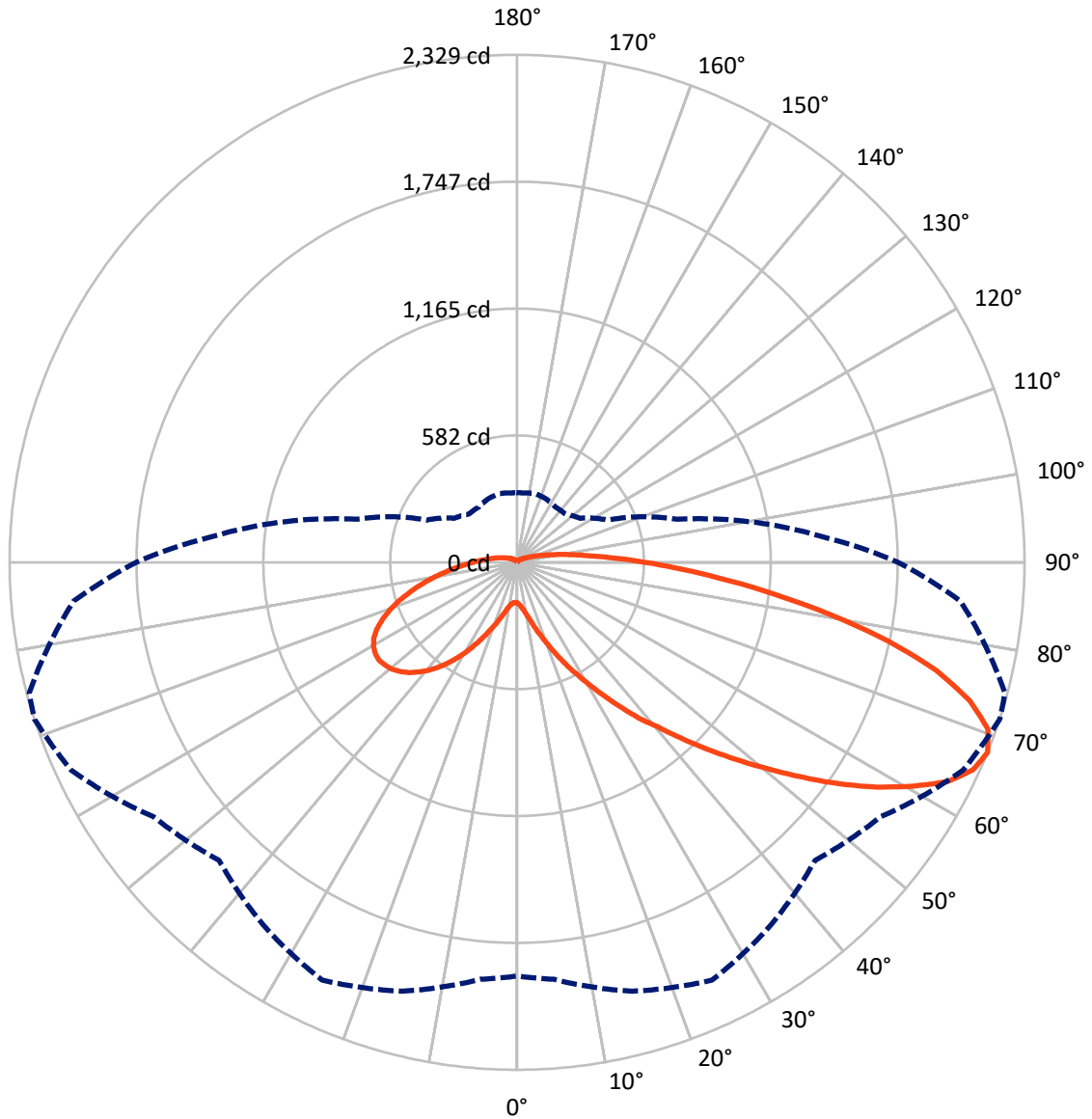
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type IV - 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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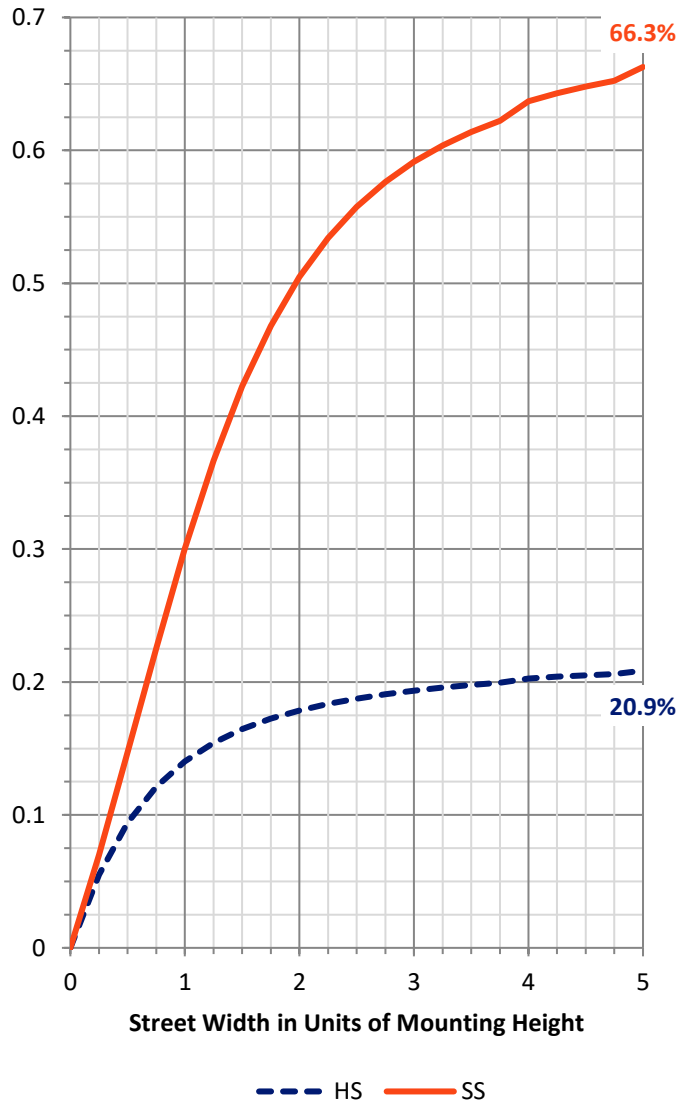
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1306.6	175.0	1481.6
	% Fixture	22.1	3.0	25.0
Street Side	Lumens	4141.4	292.0	4433.4
	% Fixture	70.0	4.9	75.0
Total	Lumens	5447.9	467.0	5915.0
	% Fixture	92.1	7.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.6	0.3
10°-20°	81.2	1.4
20°-30°	207.7	3.5
30°-40°	417.2	7.1
40°-50°	702.4	11.9
50°-60°	1037.4	17.5
60°-70°	1278.3	21.6
70°-80°	1103.7	18.7
80°-90°	600.5	10.2
90°-100°	255.2	4.3
100°-110°	111.8	1.9
110°-120°	53.9	0.9
120°-130°	27.4	0.5
130°-140°	13.4	0.2
140°-150°	5.0	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5447.9	92.1
0°-180°	5915.0	100.0

Coefficient of Utilization

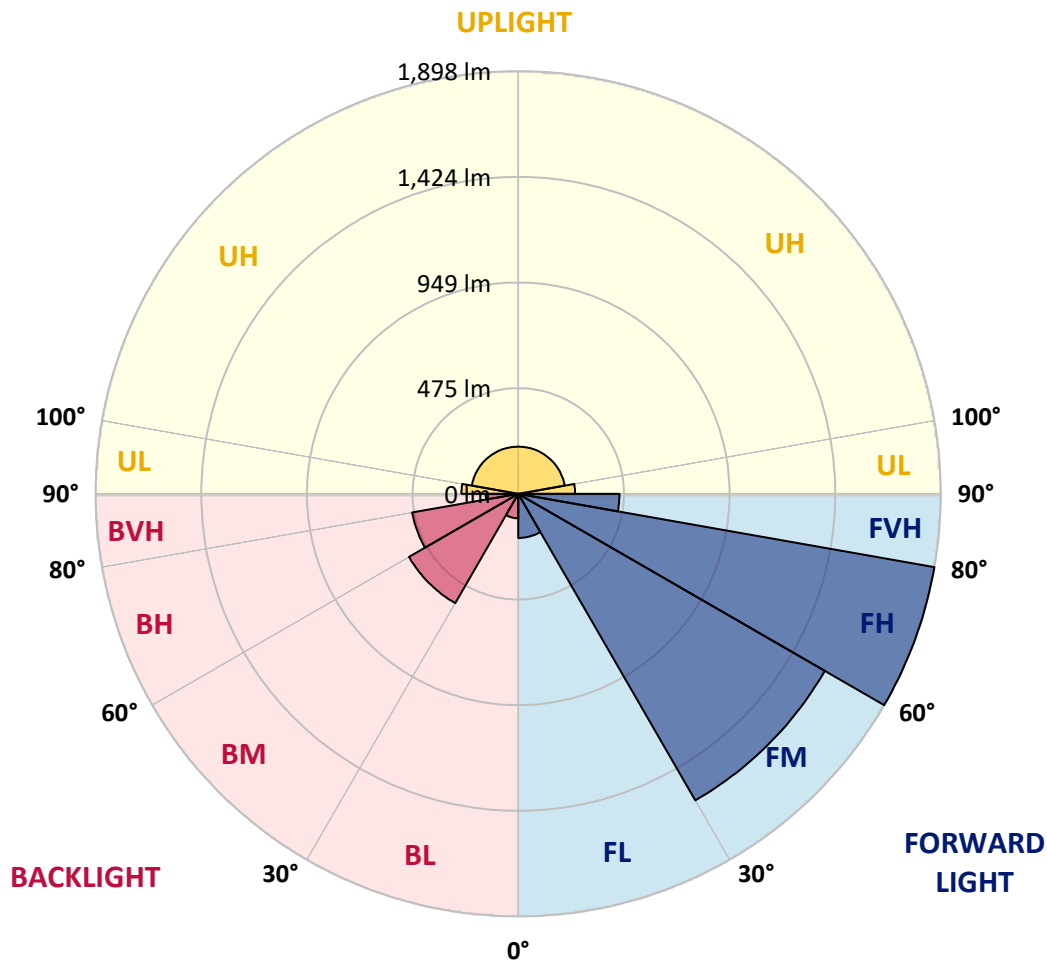


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	198.3	3.4			
FM (30°-60°)	1590.3	26.9			
FH (60°-80°)	1898.3	32.1			G2/5000
FVH (80°-90°)	454.5	7.7			G3/500
BL (0°-30°)	110.1	1.9	B1/500		
BM (30°-60°)	566.8	9.6	B1/1000		
BH (60°-80°)	483.6	8.2	B1/500		G1/500
BVH (80°-90°)	146.0	2.5			G2/225
UL (90°-100°)	255.2	4.3		U3/500	
UH (100°-180°)	211.8	3.6		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°	72°	75°	85°
0°	186.9	186.9	186.9	186.9	186.9	186.9	186.9	186.9	186.9	186.9	186.9
2.5°	204.3	204.3	204.3	202.1	199.9	199.9	197.7	195.6	193.4	191.2	189.0
5°	228.2	228.2	226.0	226.0	221.6	219.5	215.1	208.6	206.4	204.3	197.7
7.5°	258.6	258.6	254.2	254.2	247.7	243.4	236.8	228.2	221.6	219.5	210.8
10°	293.3	291.2	291.2	284.7	278.1	273.8	262.9	252.1	245.5	241.2	230.3
12.5°	339.0	336.8	332.5	325.9	317.2	306.4	295.5	284.7	273.8	269.4	256.4
15°	389.0	389.0	384.6	373.7	362.9	347.7	334.6	321.6	312.9	308.6	291.2
17.5°	447.6	445.4	441.1	428.1	410.7	395.5	380.3	365.0	354.2	349.8	330.3
20°	519.3	517.2	504.1	484.6	469.3	447.6	428.1	410.7	402.0	397.6	375.9
22.5°	597.6	593.2	580.2	556.3	525.8	504.1	482.4	465.0	456.3	449.8	430.2
25°	686.6	680.1	662.7	625.8	591.0	560.6	538.9	521.5	517.2	512.8	486.7
27.5°	784.4	780.1	756.2	710.5	662.7	628.0	599.7	588.9	580.2	575.8	547.6
30°	897.4	890.9	854.0	801.8	738.8	688.8	662.7	656.2	649.7	651.9	625.8
32.5°	1008.2	1008.2	962.6	893.1	814.8	756.2	725.8	730.1	727.9	727.9	697.5
35°	1127.7	1129.9	1073.4	997.4	895.2	827.9	797.5	808.3	812.7	810.5	780.1
37.5°	1253.8	1249.4	1192.9	1097.3	980.0	897.4	871.3	886.5	906.1	899.6	871.3
40°	1392.8	1384.1	1329.8	1206.0	1073.4	973.5	949.6	980.0	993.0	1001.7	962.6
42.5°	1518.9	1514.5	1451.5	1323.3	1166.9	1053.9	1027.8	1069.1	1103.8	1106.0	1066.9
45°	1642.7	1634.0	1581.9	1438.5	1258.1	1145.1	1123.4	1182.1	1223.3	1227.7	1184.2
47.5°	1755.7	1755.7	1697.0	1555.8	1371.1	1236.4	1221.2	1299.4	1351.5	1355.9	1308.1
50°	1873.0	1868.7	1818.7	1675.3	1477.6	1336.3	1329.8	1429.8	1488.4	1495.0	1431.9
52.5°	1960.0	1960.0	1927.4	1792.7	1579.7	1434.1	1445.0	1562.3	1638.4	1655.8	1573.2
55°	2036.0	2038.2	2016.5	1894.8	1697.0	1540.6	1555.8	1703.6	1794.8	1818.7	1714.4
57.5°	2086.0	2088.2	2094.7	1999.1	1799.2	1638.4	1677.5	1853.5	1946.9	1966.5	1849.1
60°	2105.5	2112.1	2142.5	2079.5	1890.4	1740.5	1792.7	1988.2	2086.0	2107.7	1957.8
62.5°	2086.0	2096.9	2157.7	2136.0	1973.0	1827.4	1897.0	2112.1	2216.4	2225.1	2044.7
65°	2027.3	2040.4	2122.9	2149.0	2020.8	1897.0	1988.2	2207.7	2298.9	2301.1	2073.0
67.5°	1899.1	1920.9	2038.2	2116.4	2031.7	1933.9	2036.0	2257.7	2329.4	2318.5	2042.5
70°	1742.7	1760.1	1894.8	2020.8	1992.6	1927.4	2042.5	2246.8	2292.4	2266.3	1940.4
72.5°	1525.4	1544.9	1703.6	1868.7	1892.6	1875.2	1988.2	2172.9	2172.9	2133.8	1781.8
75°	1290.7	1327.6	1468.9	1664.4	1751.4	1760.1	1881.7	2020.8	1990.4	1933.9	1558.0
77.5°	1062.6	1075.6	1214.7	1431.9	1544.9	1597.1	1705.7	1799.2	1744.8	1677.5	1321.1
80°	845.3	856.1	982.2	1182.1	1325.5	1414.6	1503.7	1534.1	1458.0	1390.7	1077.8
82.5°	656.2	669.3	782.2	958.3	1101.7	1190.8	1264.6	1271.2	1182.1	1121.2	858.3
85°	493.3	506.3	601.9	758.3	893.1	986.5	1032.1	1027.8	930.0	880.0	664.9
87.5°	382.4	380.3	458.5	582.3	708.4	782.2	817.0	788.8	721.4	677.9	510.6
90°	284.7	293.3	354.2	454.1	551.9	614.9	643.2	610.6	554.1	519.3	393.3
92.5°	219.5	223.8	278.1	354.2	436.8	491.1	510.6	473.7	419.4	399.8	302.0
95°	171.7	176.0	215.1	278.1	339.0	380.3	391.1	362.9	319.4	304.2	234.7
97.5°	139.1	141.2	169.5	221.6	269.4	302.0	306.4	278.1	249.9	232.5	184.7
100°	110.8	110.8	136.9	176.0	212.9	239.0	236.8	219.5	195.6	182.5	143.4
102.5°	91.3	91.3	110.8	145.6	173.8	193.4	193.4	171.7	152.1	141.2	113.0
105°	76.1	76.1	91.3	117.3	143.4	158.6	156.4	139.1	119.5	110.8	89.1
107.5°	65.2	65.2	76.1	97.8	117.3	130.4	128.2	110.8	95.6	89.1	73.9
110°	56.5	56.5	65.2	82.6	100.0	108.6	106.5	89.1	76.1	71.7	60.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	47.8	50.0	54.3	69.5	84.7	93.4	89.1	73.9	60.8	56.5	52.1
115°	43.5	43.5	47.8	58.7	71.7	78.2	73.9	60.8	50.0	47.8	43.5
117.5°	39.1	39.1	43.5	52.1	63.0	67.4	63.0	50.0	43.5	39.1	36.9
120°	34.8	34.8	36.9	45.6	52.1	56.5	52.1	41.3	34.8	34.8	32.6
122.5°	32.6	32.6	34.8	39.1	45.6	47.8	43.5	34.8	30.4	30.4	30.4
125°	28.2	30.4	30.4	34.8	39.1	41.3	36.9	30.4	26.1	26.1	26.1
127.5°	26.1	26.1	28.2	30.4	32.6	34.8	30.4	26.1	23.9	21.7	23.9
130°	23.9	23.9	23.9	26.1	28.2	28.2	26.1	21.7	19.6	19.6	21.7
132.5°	21.7	21.7	21.7	21.7	23.9	23.9	21.7	17.4	17.4	17.4	19.6
135°	19.6	19.6	19.6	19.6	19.6	19.6	17.4	15.2	15.2	15.2	17.4
137.5°	17.4	17.4	17.4	17.4	15.2	15.2	13.0	13.0	13.0	13.0	15.2
140°	15.2	15.2	15.2	13.0	13.0	10.9	10.9	10.9	10.9	10.9	13.0
142.5°	13.0	13.0	13.0	10.9	8.7	8.7	8.7	8.7	8.7	8.7	10.9
145°	10.9	10.9	8.7	8.7	6.5	6.5	6.5	6.5	6.5	6.5	8.7
147.5°	8.7	8.7	6.5	6.5	4.3	4.3	4.3	4.3	6.5	6.5	6.5
150°	6.5	6.5	4.3	4.3	4.3	2.2	2.2	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°	186.9	186.9	186.9	186.9	186.9	186.9	186.9	186.9	186.9	186.9	186.9
2.5°	189.0	186.9	184.7	182.5	180.4	180.4	178.2	176.0	176.0	176.0	173.8
5°	195.6	191.2	186.9	182.5	176.0	173.8	169.5	167.3	165.1	163.0	163.0
7.5°	206.4	202.1	193.4	184.7	178.2	171.7	165.1	160.8	158.6	156.4	156.4
10°	223.8	217.3	204.3	193.4	182.5	173.8	167.3	160.8	158.6	156.4	154.3
12.5°	247.7	241.2	223.8	206.4	193.4	180.4	171.7	165.1	160.8	158.6	158.6
15°	282.5	271.6	249.9	228.2	208.6	193.4	182.5	176.0	173.8	171.7	171.7
17.5°	319.4	304.2	280.3	252.1	230.3	210.8	197.7	193.4	189.0	186.9	186.9
20°	362.9	345.5	315.1	280.3	252.1	232.5	217.3	208.6	204.3	202.1	202.1
22.5°	410.7	395.5	352.0	312.9	278.1	256.4	234.7	223.8	219.5	217.3	219.5
25°	467.2	445.4	395.5	347.7	306.4	276.0	254.2	239.0	236.8	234.7	236.8
27.5°	530.2	501.9	443.3	380.3	332.5	295.5	271.6	256.4	254.2	252.1	254.2
30°	597.6	571.5	493.3	419.4	358.5	312.9	286.8	273.8	269.4	271.6	269.4
32.5°	671.4	630.1	543.2	454.1	380.3	325.9	297.7	286.8	286.8	289.0	289.0
35°	751.8	706.2	593.2	486.7	397.6	339.0	308.6	299.9	299.9	304.2	304.2
37.5°	832.2	777.9	643.2	512.8	410.7	345.5	317.2	310.7	310.7	317.2	317.2
40°	919.1	854.0	688.8	536.7	421.5	352.0	321.6	319.4	321.6	328.1	328.1
42.5°	1012.6	927.8	730.1	554.1	425.9	354.2	325.9	325.9	330.3	334.6	336.8
45°	1110.4	1008.2	771.4	565.0	428.1	354.2	328.1	328.1	336.8	341.1	341.1
47.5°	1216.8	1088.6	804.0	571.5	425.9	352.0	328.1	332.5	339.0	343.3	343.3
50°	1332.0	1175.5	834.4	571.5	421.5	349.8	328.1	332.5	341.1	343.3	343.3
52.5°	1445.0	1260.3	854.0	565.0	415.0	345.5	325.9	332.5	341.1	341.1	341.1
55°	1564.5	1340.7	871.3	556.3	406.3	341.1	323.8	332.5	339.0	339.0	339.0
57.5°	1660.1	1405.9	873.5	543.2	397.6	336.8	321.6	330.3	336.8	334.6	334.6
60°	1742.7	1451.5	867.0	525.8	386.8	330.3	319.4	328.1	334.6	330.3	330.3
62.5°	1797.0	1471.1	847.4	506.3	375.9	325.9	317.2	325.9	332.5	328.1	328.1
65°	1799.2	1451.5	810.5	484.6	362.9	319.4	312.9	323.8	330.3	323.8	323.8
67.5°	1749.2	1392.8	762.7	458.5	352.0	312.9	308.6	319.4	325.9	319.4	319.4
70°	1642.7	1295.1	704.0	432.4	336.8	306.4	304.2	315.1	319.4	312.9	310.7
72.5°	1488.4	1164.7	638.8	402.0	321.6	295.5	295.5	306.4	310.7	304.2	302.0
75°	1288.5	1014.7	567.1	369.4	304.2	284.7	286.8	295.5	299.9	293.3	289.0
77.5°	1084.3	862.6	497.6	341.1	286.8	271.6	273.8	284.7	286.8	280.3	276.0
80°	880.0	701.8	428.1	308.6	267.3	258.6	260.7	267.3	269.4	262.9	258.6
82.5°	706.2	571.5	362.9	278.1	247.7	241.2	245.5	249.9	249.9	243.4	239.0
85°	556.3	454.1	308.6	245.5	226.0	223.8	228.2	230.3	228.2	221.6	217.3
87.5°	430.2	360.7	258.6	215.1	204.3	206.4	208.6	208.6	206.4	202.1	195.6
90°	334.6	286.8	217.3	189.0	184.7	186.9	189.0	189.0	184.7	178.2	173.8
92.5°	265.1	232.5	182.5	165.1	165.1	169.5	169.5	169.5	163.0	156.4	154.3
95°	206.4	184.7	154.3	145.6	145.6	149.9	152.1	149.9	143.4	136.9	134.7
97.5°	165.1	149.9	132.5	126.0	130.4	134.7	134.7	130.4	123.9	119.5	117.3
100°	132.5	121.7	110.8	110.8	115.2	119.5	119.5	115.2	108.6	100.0	100.0
102.5°	106.5	102.1	95.6	97.8	100.0	104.3	104.3	100.0	91.3	84.7	84.7
105°	86.9	84.7	82.6	84.7	89.1	91.3	91.3	86.9	78.2	71.7	71.7
107.5°	71.7	69.5	69.5	73.9	78.2	80.4	80.4	73.9	67.4	60.8	63.0
110°	60.8	58.7	58.7	63.0	67.4	69.5	69.5	65.2	56.5	52.1	54.3

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 CATALOG NUMBER: LXF.LXT-PA16-727-U-T4W-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	50.0	50.0	52.1	56.5	60.8	63.0	60.8	54.3	47.8	45.6	45.6
115°	43.5	43.5	45.6	50.0	52.1	54.3	52.1	47.8	41.3	39.1	39.1
117.5°	36.9	36.9	39.1	43.5	45.6	47.8	45.6	41.3	34.8	34.8	34.8
120°	32.6	32.6	34.8	39.1	41.3	41.3	39.1	34.8	30.4	30.4	30.4
122.5°	30.4	30.4	30.4	32.6	34.8	36.9	34.8	30.4	26.1	26.1	26.1
125°	26.1	26.1	28.2	30.4	30.4	30.4	28.2	26.1	23.9	23.9	23.9
127.5°	23.9	23.9	23.9	26.1	28.2	26.1	23.9	21.7	19.6	21.7	21.7
130°	21.7	21.7	21.7	21.7	23.9	23.9	21.7	19.6	17.4	17.4	17.4
132.5°	19.6	19.6	19.6	19.6	19.6	19.6	17.4	15.2	15.2	17.4	17.4
135°	17.4	17.4	17.4	17.4	17.4	17.4	15.2	13.0	13.0	15.2	15.2
137.5°	15.2	15.2	15.2	13.0	15.2	13.0	13.0	13.0	13.0	13.0	13.0
140°	13.0	13.0	13.0	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9
142.5°	10.9	10.9	10.9	8.7	8.7	8.7	8.7	8.7	8.7	10.9	10.9
145°	8.7	8.7	8.7	6.5	6.5	6.5	6.5	6.5	8.7	8.7	8.7
147.5°	6.5	6.5	6.5	6.5	4.3	4.3	4.3	6.5	6.5	6.5	6.5
150°	4.3	4.3	4.3	4.3	4.3	4.3	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)