

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: P695598

Luminaire Tested: **LXF.LXT-PA16-60-727-U-T4W-FL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695598
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-PA16-60-727-U-T4W-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1160mA 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: 5326 lumens
Efficiency: N/A
Efficacy: 85.9 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

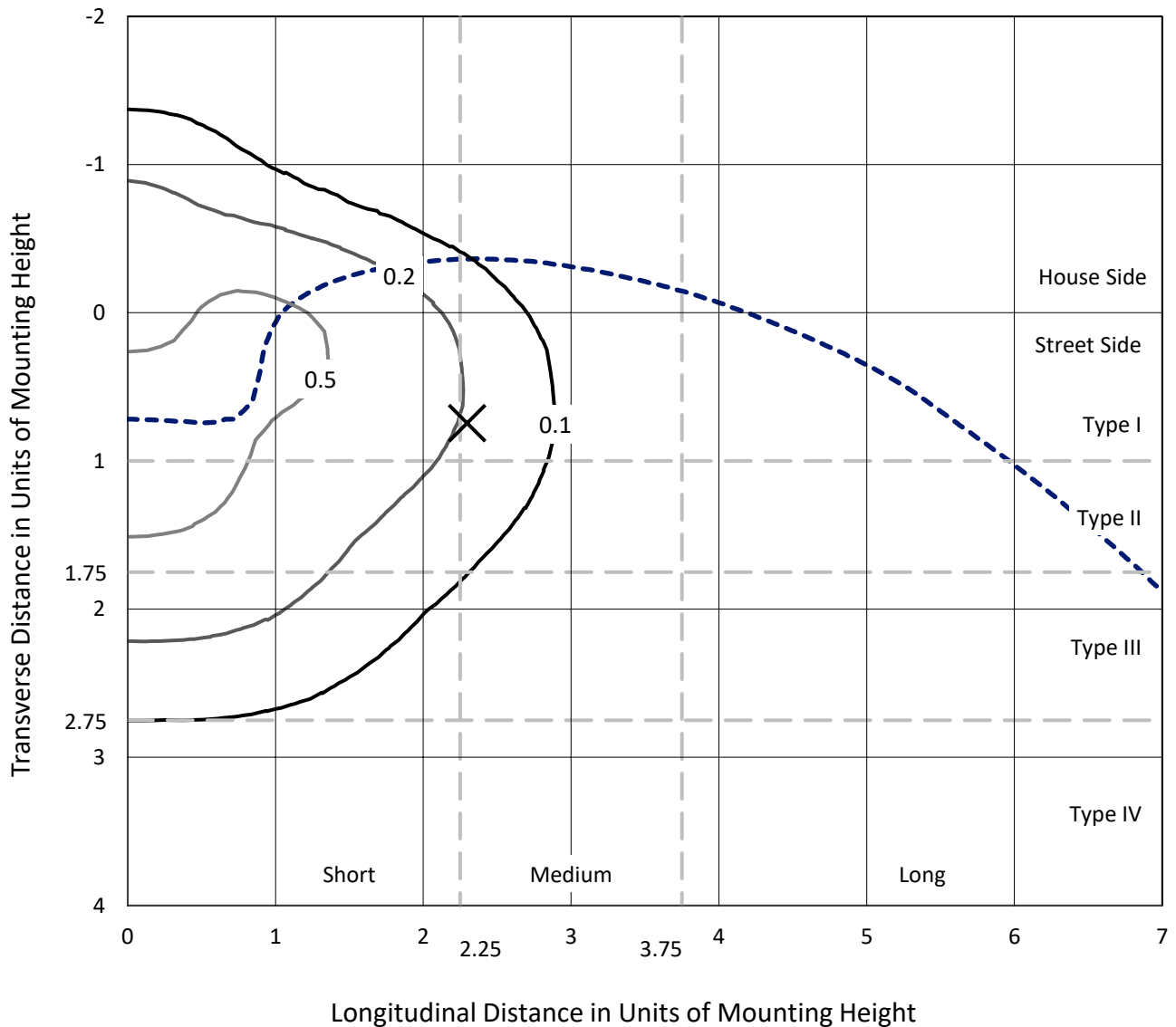
Input Watts (W): 62
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

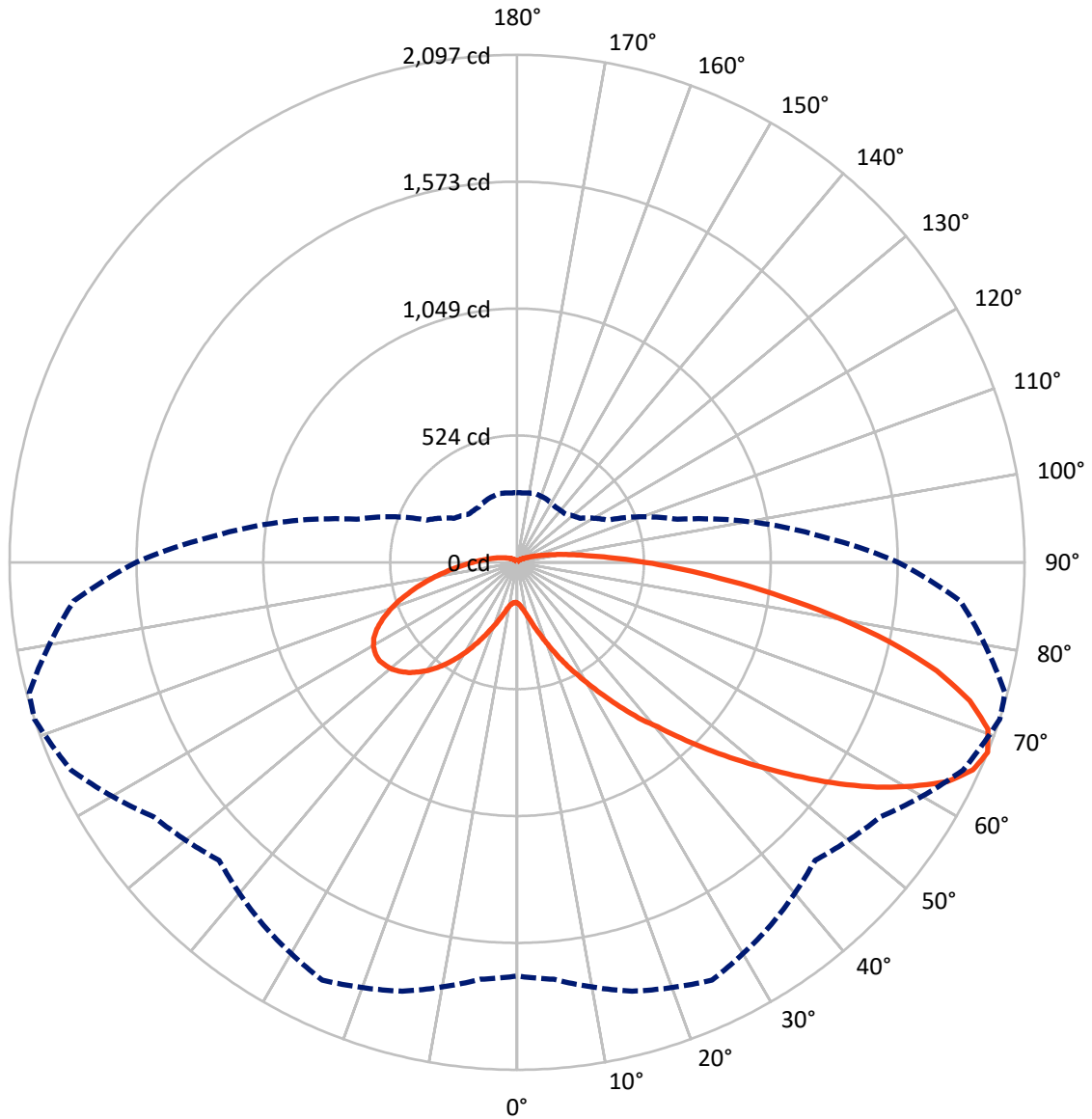
✕ Max cd
 - - - 1/2 Max cd



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

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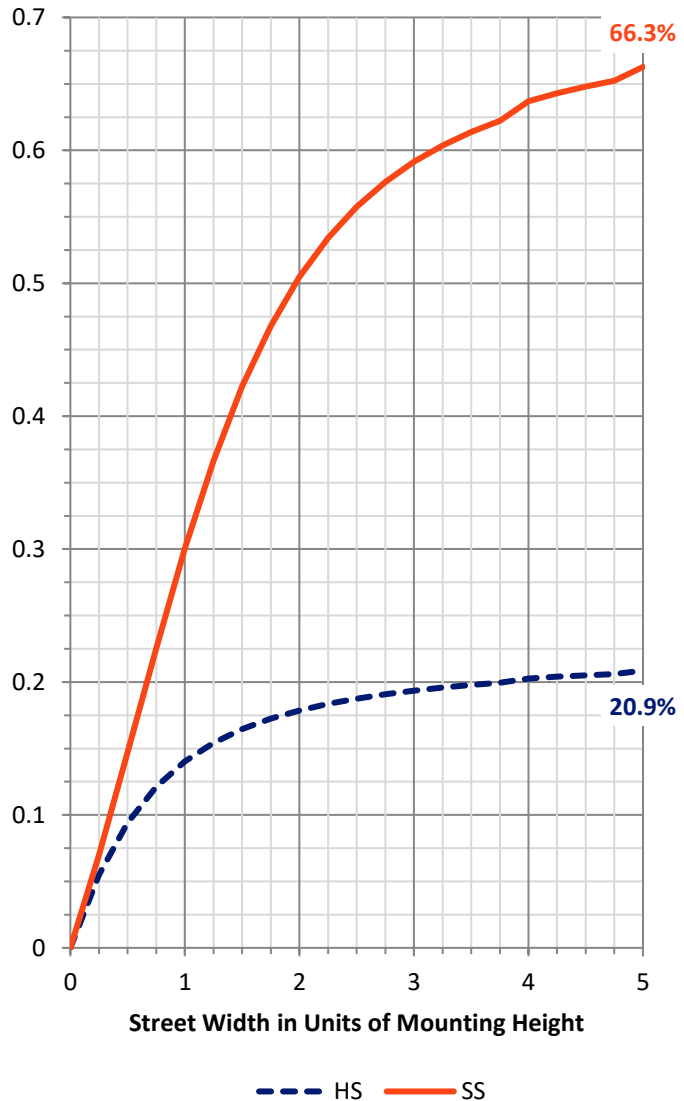
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1176.5	157.6	1334.1
	% Fixture	22.1	3.0	25.0
Street Side	Lumens	3729.0	262.9	3991.9
	% Fixture	70.0	4.9	75.0
Total	Lumens	4905.4	420.6	5326.0
	% Fixture	92.1	7.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.6	0.3
10°-20°	73.1	1.4
20°-30°	187.0	3.5
30°-40°	375.7	7.1
40°-50°	632.4	11.9
50°-60°	934.1	17.5
60°-70°	1151.0	21.6
70°-80°	993.8	18.7
80°-90°	540.7	10.2
90°-100°	229.8	4.3
100°-110°	100.7	1.9
110°-120°	48.5	0.9
120°-130°	24.7	0.5
130°-140°	12.0	0.2
140°-150°	4.5	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4905.4	92.1
0°-180°	5326.0	100.0

Coefficient of Utilization

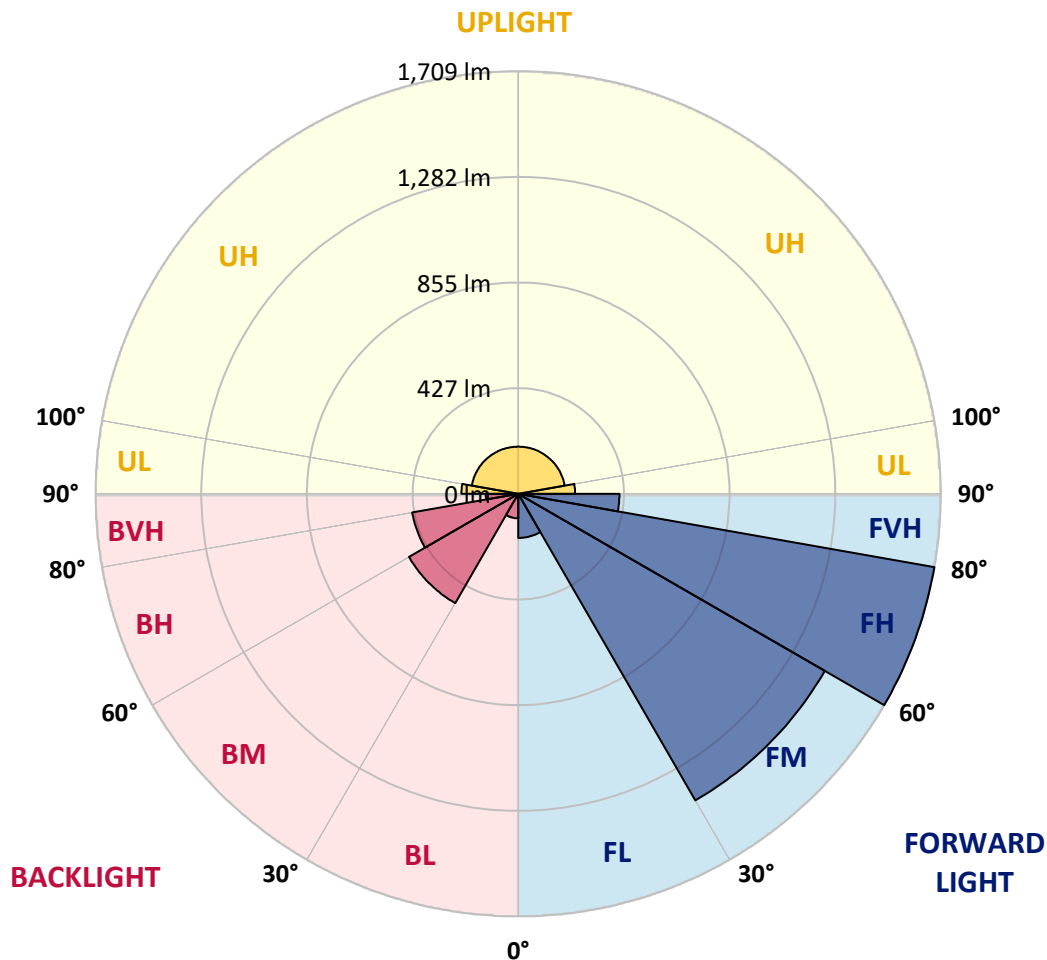


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	178.6	3.4			
FM (30°-60°)	1431.9	26.9			
FH (60°-80°)	1709.3	32.1			G1/1800
FVH (80°-90°)	409.2	7.7			G3/500
BL (0°-30°)	99.2	1.9	B0/110		
BM (30°-60°)	510.4	9.6	B1/1000		
BH (60°-80°)	435.5	8.2	B1/500		G1/500
BVH (80°-90°)	131.5	2.5			G2/225
UL (90°-100°)	229.8	4.3		U3/500	
UH (100°-180°)	190.8	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°	168.3	168.3	168.3	168.3	168.3	168.3	168.3	168.3	168.3	168.3	168.3
2.5°	183.9	183.9	183.9	182.0	180.0	180.0	178.0	176.1	174.1	172.2	170.2
5°	205.4	205.4	203.5	203.5	199.6	197.6	193.7	187.8	185.9	183.9	178.0
7.5°	232.8	232.8	228.9	228.9	223.0	219.1	213.3	205.4	199.6	197.6	189.8
10°	264.1	262.2	262.2	256.3	250.4	246.5	236.7	227.0	221.1	217.2	207.4
12.5°	305.2	303.3	299.4	293.5	285.7	275.9	266.1	256.3	246.5	242.6	230.9
15°	350.2	350.2	346.3	336.5	326.7	313.0	301.3	289.6	281.7	277.8	262.2
17.5°	403.0	401.1	397.2	385.4	369.8	356.1	342.4	328.7	318.9	315.0	297.4
20°	467.6	465.7	453.9	436.3	422.6	403.0	385.4	369.8	362.0	358.0	338.5
22.5°	538.0	534.1	522.4	500.9	473.5	453.9	434.4	418.7	410.9	405.0	387.4
25°	618.3	612.4	596.7	563.5	532.2	504.8	485.2	469.6	465.7	461.7	438.3
27.5°	706.3	702.4	680.9	639.8	596.7	565.4	540.0	530.2	522.4	518.5	493.0
30°	808.0	802.2	768.9	722.0	665.2	620.2	596.7	590.9	585.0	587.0	563.5
32.5°	907.8	907.8	866.7	804.1	733.7	680.9	653.5	657.4	655.4	655.4	628.0
35°	1015.4	1017.4	966.5	898.1	806.1	745.4	718.0	727.8	731.7	729.8	702.4
37.5°	1128.9	1125.0	1074.1	988.1	882.4	808.0	784.6	798.3	815.9	810.0	784.6
40°	1254.1	1246.3	1197.4	1085.9	966.5	876.5	855.0	882.4	894.1	902.0	866.7
42.5°	1367.6	1363.7	1307.0	1191.5	1050.7	948.9	925.4	962.6	993.9	995.9	960.7
45°	1479.1	1471.3	1424.4	1295.2	1132.8	1031.1	1011.5	1064.4	1101.5	1105.4	1066.3
47.5°	1580.9	1580.9	1528.1	1400.9	1234.6	1113.3	1099.6	1170.0	1217.0	1220.9	1177.8
50°	1686.5	1682.6	1637.6	1508.5	1330.4	1203.3	1197.4	1287.4	1340.2	1346.1	1289.4
52.5°	1764.8	1764.8	1735.4	1614.1	1422.4	1291.3	1301.1	1406.8	1475.2	1490.9	1416.5
55°	1833.3	1835.2	1815.7	1706.1	1528.1	1387.2	1400.9	1533.9	1616.1	1637.6	1543.7
57.5°	1878.3	1880.2	1886.1	1800.0	1620.0	1475.2	1510.4	1668.9	1753.1	1770.7	1665.0
60°	1895.9	1901.8	1929.1	1872.4	1702.2	1567.2	1614.1	1790.2	1878.3	1897.8	1762.8
62.5°	1878.3	1888.1	1942.8	1923.3	1776.5	1645.4	1708.1	1901.8	1995.7	2003.5	1841.1
65°	1825.4	1837.2	1911.5	1935.0	1819.6	1708.1	1790.2	1987.8	2070.0	2072.0	1866.5
67.5°	1710.0	1729.6	1835.2	1905.7	1829.4	1741.3	1833.3	2032.8	2097.4	2087.6	1839.1
70°	1569.1	1584.8	1706.1	1819.6	1794.1	1735.4	1839.1	2023.1	2064.1	2040.7	1747.2
72.5°	1373.5	1391.1	1533.9	1682.6	1704.1	1688.5	1790.2	1956.5	1956.5	1921.3	1604.4
75°	1162.2	1195.4	1322.6	1498.7	1577.0	1584.8	1694.4	1819.6	1792.2	1741.3	1402.8
77.5°	956.7	968.5	1093.7	1289.4	1391.1	1438.1	1535.9	1620.0	1571.1	1510.4	1189.6
80°	761.1	770.9	884.4	1064.4	1193.5	1273.7	1353.9	1381.3	1312.8	1252.2	970.4
82.5°	590.9	602.6	704.4	862.8	992.0	1072.2	1138.7	1144.6	1064.4	1009.6	772.8
85°	444.1	455.9	542.0	682.8	804.1	888.3	929.4	925.4	837.4	792.4	598.7
87.5°	344.4	342.4	412.8	524.4	637.8	704.4	735.7	710.2	649.6	610.4	459.8
90°	256.3	264.1	318.9	408.9	497.0	553.7	579.1	549.8	498.9	467.6	354.1
92.5°	197.6	201.5	250.4	318.9	393.3	442.2	459.8	426.5	377.6	360.0	272.0
95°	154.6	158.5	193.7	250.4	305.2	342.4	352.2	326.7	287.6	273.9	211.3
97.5°	125.2	127.2	152.6	199.6	242.6	272.0	275.9	250.4	225.0	209.3	166.3
100°	99.8	99.8	123.3	158.5	191.7	215.2	213.3	197.6	176.1	164.3	129.1
102.5°	82.2	82.2	99.8	131.1	156.5	174.1	174.1	154.6	137.0	127.2	101.7
105°	68.5	68.5	82.2	105.7	129.1	142.8	140.9	125.2	107.6	99.8	80.2
107.5°	58.7	58.7	68.5	88.0	105.7	117.4	115.4	99.8	86.1	80.2	66.5
110°	50.9	50.9	58.7	74.3	90.0	97.8	95.9	80.2	68.5	64.6	54.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	43.0	45.0	48.9	62.6	76.3	84.1	80.2	66.5	54.8	50.9	47.0
115°	39.1	39.1	43.0	52.8	64.6	70.4	66.5	54.8	45.0	43.0	39.1
117.5°	35.2	35.2	39.1	47.0	56.7	60.7	56.7	45.0	39.1	35.2	33.3
120°	31.3	31.3	33.3	41.1	47.0	50.9	47.0	37.2	31.3	31.3	29.3
122.5°	29.3	29.3	31.3	35.2	41.1	43.0	39.1	31.3	27.4	27.4	27.4
125°	25.4	27.4	27.4	31.3	35.2	37.2	33.3	27.4	23.5	23.5	23.5
127.5°	23.5	23.5	25.4	27.4	29.3	31.3	27.4	23.5	21.5	19.6	21.5
130°	21.5	21.5	21.5	23.5	25.4	25.4	23.5	19.6	17.6	17.6	19.6
132.5°	19.6	19.6	19.6	19.6	21.5	21.5	19.6	15.7	15.7	15.7	17.6
135°	17.6	17.6	17.6	17.6	17.6	17.6	15.7	13.7	13.7	13.7	15.7
137.5°	15.7	15.7	15.7	15.7	13.7	13.7	11.7	11.7	11.7	11.7	13.7
140°	13.7	13.7	13.7	11.7	11.7	9.8	9.8	9.8	9.8	9.8	11.7
142.5°	11.7	11.7	11.7	9.8	7.8	7.8	7.8	7.8	7.8	7.8	9.8
145°	9.8	9.8	7.8	7.8	5.9	5.9	5.9	5.9	5.9	5.9	7.8
147.5°	7.8	7.8	5.9	5.9	3.9	3.9	3.9	3.9	5.9	5.9	5.9
150°	5.9	5.9	3.9	3.9	3.9	2.0	2.0	3.9	3.9	3.9	3.9
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°	168.3	168.3	168.3	168.3	168.3	168.3	168.3	168.3	168.3	168.3	168.3
2.5°	170.2	168.3	166.3	164.3	162.4	162.4	160.4	158.5	158.5	158.5	156.5
5°	176.1	172.2	168.3	164.3	158.5	156.5	152.6	150.7	148.7	146.7	146.7
7.5°	185.9	182.0	174.1	166.3	160.4	154.6	148.7	144.8	142.8	140.9	140.9
10°	201.5	195.7	183.9	174.1	164.3	156.5	150.7	144.8	142.8	140.9	138.9
12.5°	223.0	217.2	201.5	185.9	174.1	162.4	154.6	148.7	144.8	142.8	142.8
15°	254.3	244.6	225.0	205.4	187.8	174.1	164.3	158.5	156.5	154.6	154.6
17.5°	287.6	273.9	252.4	227.0	207.4	189.8	178.0	174.1	170.2	168.3	168.3
20°	326.7	311.1	283.7	252.4	227.0	209.3	195.7	187.8	183.9	182.0	182.0
22.5°	369.8	356.1	317.0	281.7	250.4	230.9	211.3	201.5	197.6	195.7	197.6
25°	420.7	401.1	356.1	313.0	275.9	248.5	228.9	215.2	213.3	211.3	213.3
27.5°	477.4	452.0	399.1	342.4	299.4	266.1	244.6	230.9	228.9	227.0	228.9
30°	538.0	514.6	444.1	377.6	322.8	281.7	258.3	246.5	242.6	244.6	242.6
32.5°	604.6	567.4	489.1	408.9	342.4	293.5	268.0	258.3	258.3	260.2	260.2
35°	677.0	635.9	534.1	438.3	358.0	305.2	277.8	270.0	270.0	273.9	273.9
37.5°	749.4	700.4	579.1	461.7	369.8	311.1	285.7	279.8	279.8	285.7	285.7
40°	827.6	768.9	620.2	483.3	379.6	317.0	289.6	287.6	289.6	295.4	295.4
42.5°	911.7	835.4	657.4	498.9	383.5	318.9	293.5	293.5	297.4	301.3	303.3
45°	999.8	907.8	694.6	508.7	385.4	318.9	295.4	295.4	303.3	307.2	307.2
47.5°	1095.7	980.2	723.9	514.6	383.5	317.0	295.4	299.4	305.2	309.1	309.1
50°	1199.4	1058.5	751.3	514.6	379.6	315.0	295.4	299.4	307.2	309.1	309.1
52.5°	1301.1	1134.8	768.9	508.7	373.7	311.1	293.5	299.4	307.2	307.2	307.2
55°	1408.7	1207.2	784.6	500.9	365.9	307.2	291.5	299.4	305.2	305.2	305.2
57.5°	1494.8	1265.9	786.5	489.1	358.0	303.3	289.6	297.4	303.3	301.3	301.3
60°	1569.1	1307.0	780.7	473.5	348.3	297.4	287.6	295.4	301.3	297.4	297.4
62.5°	1618.1	1324.6	763.0	455.9	338.5	293.5	285.7	293.5	299.4	295.4	295.4
65°	1620.0	1307.0	729.8	436.3	326.7	287.6	281.7	291.5	297.4	291.5	291.5
67.5°	1575.0	1254.1	686.7	412.8	317.0	281.7	277.8	287.6	293.5	287.6	287.6
70°	1479.1	1166.1	633.9	389.4	303.3	275.9	273.9	283.7	287.6	281.7	279.8
72.5°	1340.2	1048.7	575.2	362.0	289.6	266.1	266.1	275.9	279.8	273.9	272.0
75°	1160.2	913.7	510.7	332.6	273.9	256.3	258.3	266.1	270.0	264.1	260.2
77.5°	976.3	776.7	448.0	307.2	258.3	244.6	246.5	256.3	258.3	252.4	248.5
80°	792.4	632.0	385.4	277.8	240.7	232.8	234.8	240.7	242.6	236.7	232.8
82.5°	635.9	514.6	326.7	250.4	223.0	217.2	221.1	225.0	225.0	219.1	215.2
85°	500.9	408.9	277.8	221.1	203.5	201.5	205.4	207.4	205.4	199.6	195.7
87.5°	387.4	324.8	232.8	193.7	183.9	185.9	187.8	187.8	185.9	182.0	176.1
90°	301.3	258.3	195.7	170.2	166.3	168.3	170.2	170.2	166.3	160.4	156.5
92.5°	238.7	209.3	164.3	148.7	148.7	152.6	152.6	152.6	146.7	140.9	138.9
95°	185.9	166.3	138.9	131.1	131.1	135.0	137.0	135.0	129.1	123.3	121.3
97.5°	148.7	135.0	119.3	113.5	117.4	121.3	121.3	117.4	111.5	107.6	105.7
100°	119.3	109.6	99.8	99.8	103.7	107.6	107.6	103.7	97.8	90.0	90.0
102.5°	95.9	92.0	86.1	88.0	90.0	93.9	93.9	90.0	82.2	76.3	76.3
105°	78.3	76.3	74.3	76.3	80.2	82.2	82.2	78.3	70.4	64.6	64.6
107.5°	64.6	62.6	62.6	66.5	70.4	72.4	72.4	66.5	60.7	54.8	56.7
110°	54.8	52.8	52.8	56.7	60.7	62.6	62.6	58.7	50.9	47.0	48.9

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 CATALOG NUMBER: LXF.LXT-PA16-60-727-U-T4W-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	45.0	45.0	47.0	50.9	54.8	56.7	54.8	48.9	43.0	41.1	41.1
115°	39.1	39.1	41.1	45.0	47.0	48.9	47.0	43.0	37.2	35.2	35.2
117.5°	33.3	33.3	35.2	39.1	41.1	43.0	41.1	37.2	31.3	31.3	31.3
120°	29.3	29.3	31.3	35.2	37.2	37.2	35.2	31.3	27.4	27.4	27.4
122.5°	27.4	27.4	27.4	29.3	31.3	33.3	31.3	27.4	23.5	23.5	23.5
125°	23.5	23.5	25.4	27.4	27.4	27.4	25.4	23.5	21.5	21.5	21.5
127.5°	21.5	21.5	21.5	23.5	25.4	23.5	21.5	19.6	17.6	19.6	19.6
130°	19.6	19.6	19.6	19.6	21.5	21.5	19.6	17.6	15.7	15.7	15.7
132.5°	17.6	17.6	17.6	17.6	17.6	17.6	15.7	13.7	13.7	15.7	15.7
135°	15.7	15.7	15.7	15.7	15.7	15.7	13.7	11.7	11.7	13.7	13.7
137.5°	13.7	13.7	13.7	11.7	13.7	11.7	11.7	11.7	11.7	11.7	11.7
140°	11.7	11.7	11.7	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
142.5°	9.8	9.8	9.8	7.8	7.8	7.8	7.8	7.8	7.8	9.8	9.8
145°	7.8	7.8	7.8	5.9	5.9	5.9	5.9	5.9	7.8	7.8	7.8
147.5°	5.9	5.9	5.9	5.9	3.9	3.9	3.9	5.9	5.9	5.9	5.9
150°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	5.9	5.9	5.9
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)