

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: P695773

Luminaire Tested: **LXF.LXT-PA16-60-827-U-T3-FL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695773
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-19)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-60-827-U-T3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1160mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4738 lumens
Efficiency: N/A
Efficacy: 76.4 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Short
BUG Rating: B1 - U3 - G3

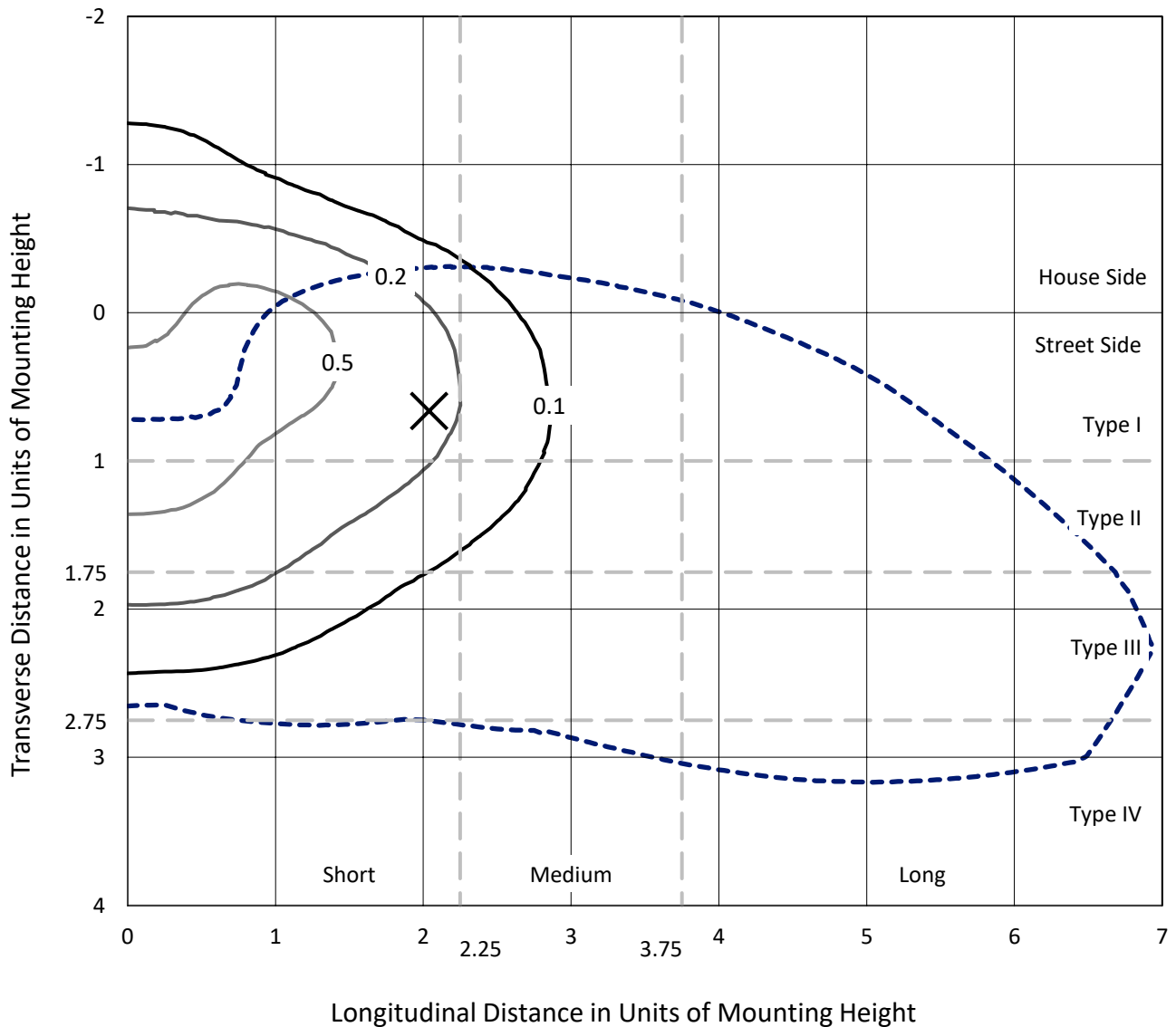
Input Watts (W): 62
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

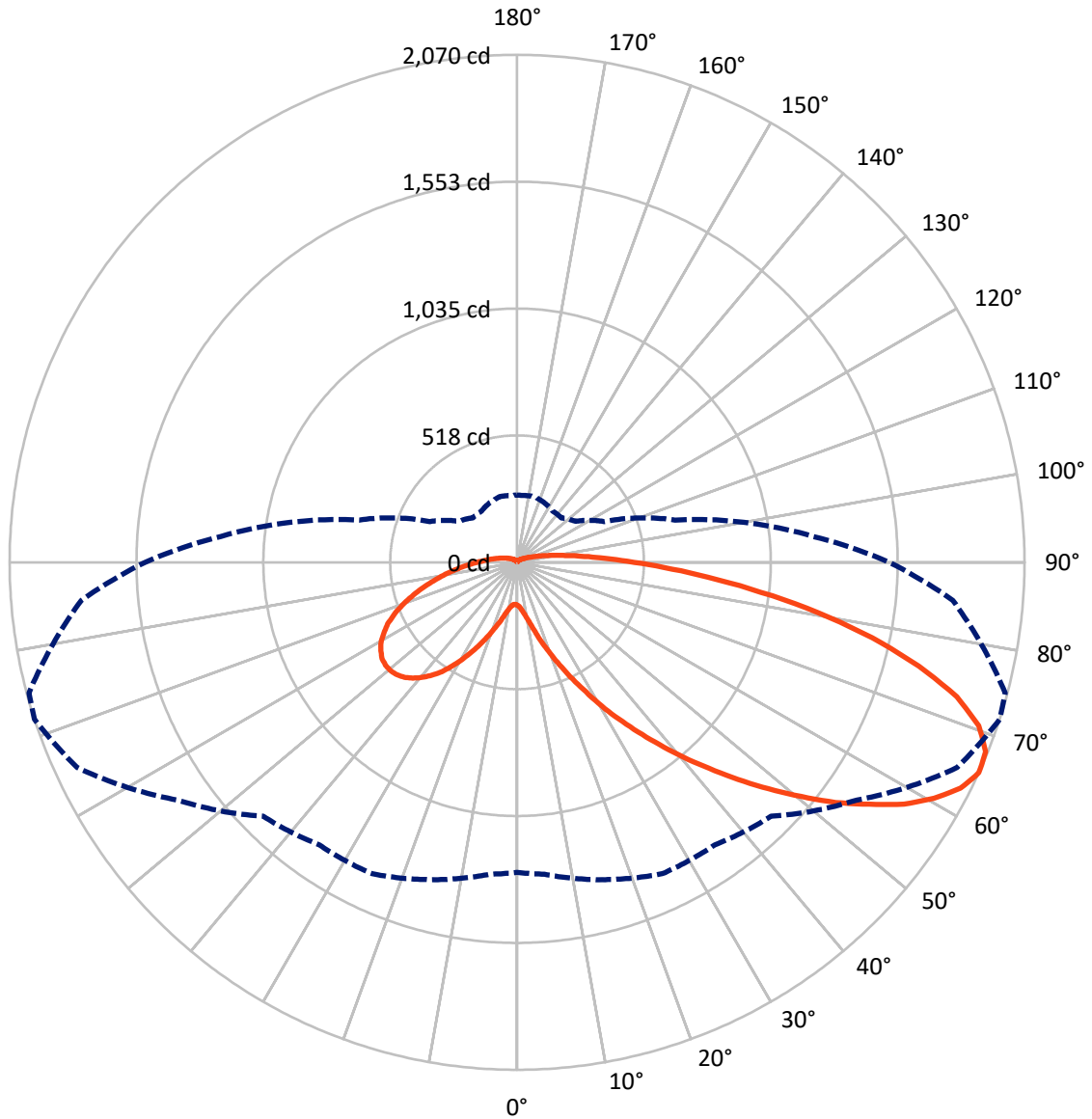
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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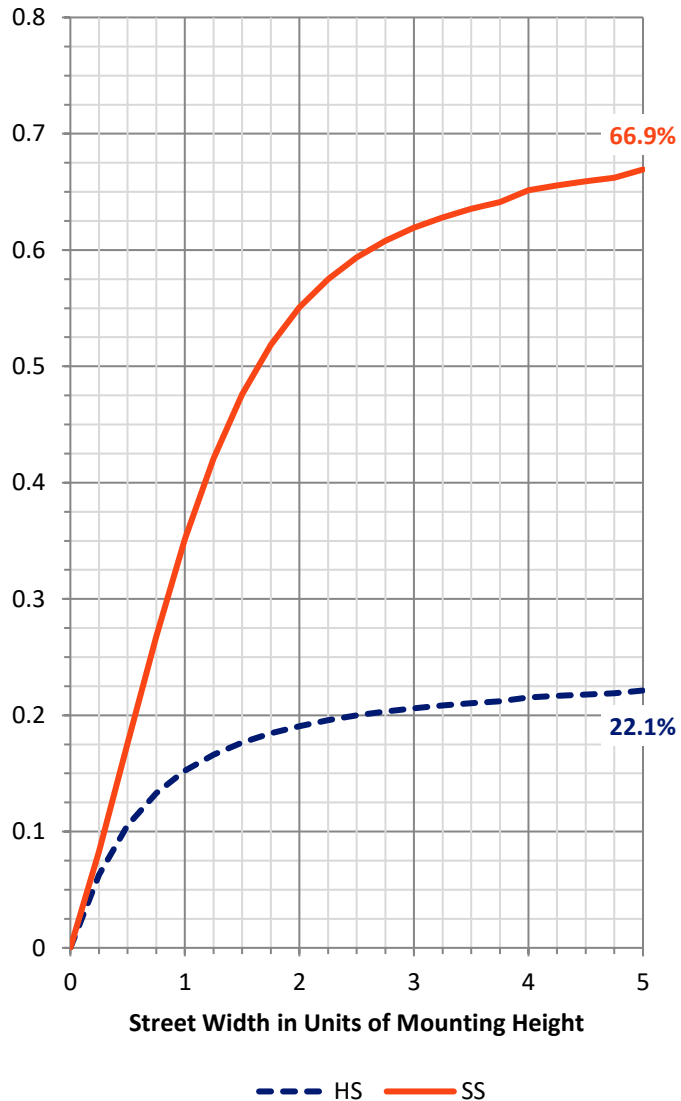
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1107.2	140.0	1247.3
	% Fixture	23.4	3.0	26.3
Street Side	Lumens	3292.6	198.2	3490.8
	% Fixture	69.5	4.2	73.7
Total	Lumens	4399.8	338.2	4738.0
	% Fixture	92.9	7.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.3	0.4
10°-20°	77.1	1.6
20°-30°	198.5	4.2
30°-40°	394.8	8.3
40°-50°	642.7	13.6
50°-60°	889.6	18.8
60°-70°	993.8	21.0
70°-80°	778.1	16.4
80°-90°	406.9	8.6
90°-100°	177.0	3.7
100°-110°	81.6	1.7
110°-120°	41.6	0.9
120°-130°	22.3	0.5
130°-140°	11.2	0.2
140°-150°	4.3	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4399.8	92.9
0°-180°	4738.0	100.0

Coefficient of Utilization



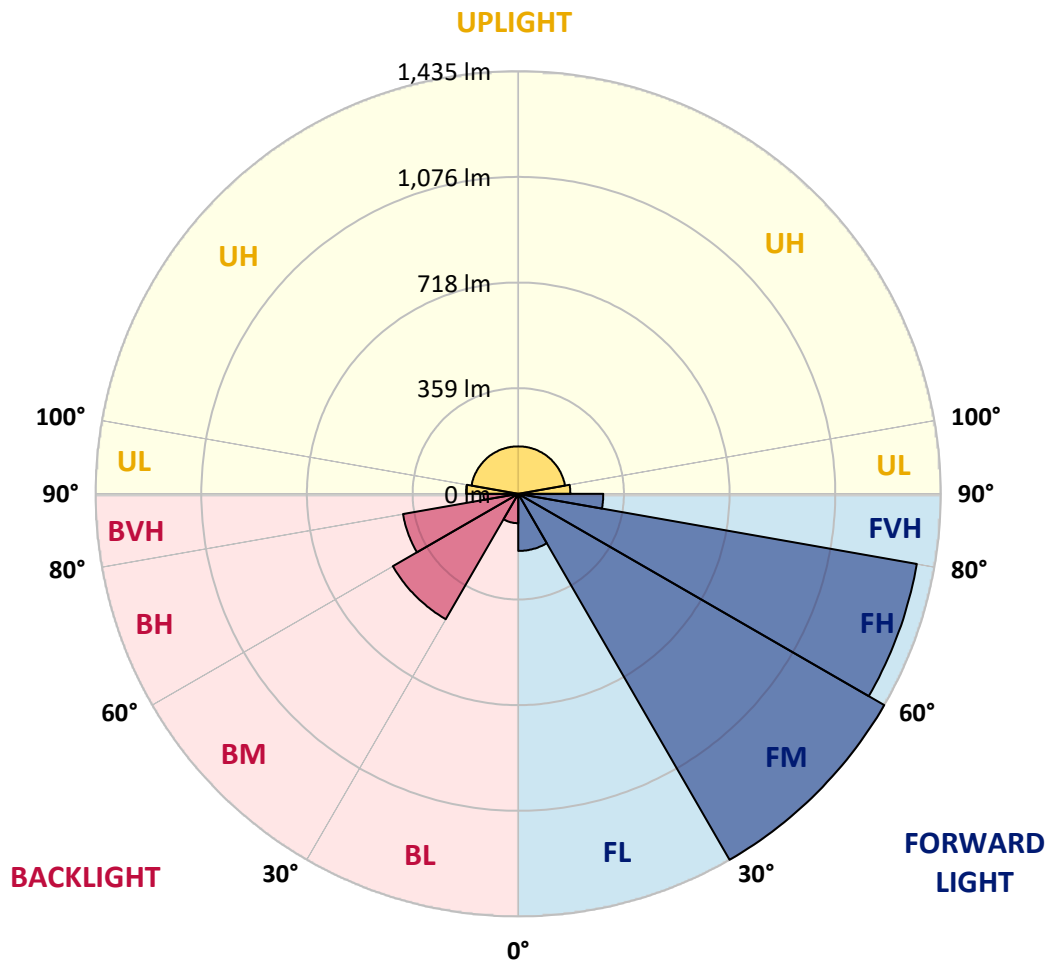
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	194.0	4.1			
FM (30°-60°)	1435.2	30.3			
FH (60°-80°)	1374.5	29.0			G1/1800
FVH (80°-90°)	288.8	6.1			G3/500
BL (0°-30°)	99.9	2.1	B0/110		
BM (30°-60°)	491.8	10.4	B1/1000		
BH (60°-80°)	397.4	8.4	B1/500		G1/500
BVH (80°-90°)	118.2	2.5			G2/225
UL (90°-100°)	177.0	3.7		U3/500	
UH (100°-180°)	161.2	3.4		U3/500	

BUG Rating: B1-U3-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	175.4	175.4	175.4	175.4	175.4	175.4	175.4	175.4	175.4	175.4	175.4
2.5°	189.5	191.2	191.2	189.5	189.5	187.7	186.0	182.5	180.7	180.7	177.2
5°	214.0	215.8	214.0	212.3	210.5	205.3	203.5	198.2	194.7	193.0	186.0
7.5°	245.6	245.6	243.9	240.4	236.8	233.3	224.6	217.5	212.3	208.8	200.0
10°	278.9	278.9	277.2	275.4	270.2	261.4	252.6	243.9	235.1	233.3	221.1
12.5°	324.6	321.1	317.5	312.3	307.0	298.2	286.0	275.4	266.7	264.9	250.9
15°	370.2	371.9	364.9	356.1	349.1	338.6	328.1	319.3	308.8	305.3	286.0
17.5°	422.8	424.6	419.3	412.3	400.0	389.5	375.4	363.2	356.1	349.1	326.3
20°	487.7	487.7	482.5	468.4	456.1	443.9	431.6	417.5	405.3	400.0	375.4
22.5°	556.1	554.4	547.4	529.8	514.0	498.2	487.7	473.7	464.9	457.9	429.8
25°	638.6	633.3	622.8	601.8	580.7	561.4	545.6	540.4	528.1	521.1	494.7
27.5°	719.3	722.8	705.3	677.2	647.4	628.1	614.0	607.0	598.3	594.7	561.4
30°	819.3	812.3	793.0	757.9	715.8	689.5	682.5	680.7	680.7	673.7	638.6
32.5°	912.3	905.3	884.2	842.1	791.2	757.9	752.6	757.9	761.4	759.7	715.8
35°	1007.0	1000.0	975.4	929.8	861.4	822.8	822.8	843.9	849.1	845.6	801.8
37.5°	1096.5	1093.0	1068.4	1007.0	942.1	894.7	901.8	935.1	943.9	942.1	886.0
40°	1182.5	1182.5	1157.9	1091.2	1012.3	964.9	977.2	1028.1	1045.6	1043.9	982.5
42.5°	1270.2	1266.7	1243.9	1179.0	1087.7	1035.1	1057.9	1121.1	1149.1	1152.6	1079.0
45°	1345.6	1342.1	1324.6	1252.6	1161.4	1107.0	1140.4	1226.3	1263.2	1261.4	1173.7
47.5°	1410.5	1408.8	1396.5	1329.8	1233.3	1182.5	1229.8	1335.1	1380.7	1380.7	1280.7
50°	1463.2	1464.9	1456.2	1401.8	1300.0	1254.4	1319.3	1445.6	1501.8	1501.8	1382.5
52.5°	1496.5	1500.0	1503.5	1452.6	1363.2	1321.1	1405.3	1561.4	1628.1	1626.3	1486.0
55°	1507.0	1510.5	1528.1	1496.5	1414.0	1382.5	1491.2	1673.7	1742.1	1736.9	1580.7
57.5°	1489.5	1496.5	1526.3	1515.8	1449.1	1431.6	1563.2	1770.2	1861.4	1856.2	1668.4
60°	1445.6	1454.4	1496.5	1508.8	1463.2	1464.9	1629.8	1866.7	1954.4	1950.9	1736.9
62.5°	1368.4	1382.5	1436.9	1470.2	1450.9	1479.0	1673.7	1940.4	2029.8	2024.6	1777.2
65°	1264.9	1277.2	1340.4	1401.8	1407.0	1464.9	1691.2	1980.7	2070.2	2061.4	1784.2
67.5°	1142.1	1136.9	1217.6	1296.5	1328.1	1414.0	1668.4	1975.5	2061.4	2045.6	1740.4
70°	991.2	991.2	1073.7	1152.6	1219.3	1335.1	1605.3	1919.3	1998.3	1975.5	1656.2
72.5°	814.0	833.3	905.3	998.3	1080.7	1221.1	1507.0	1808.8	1875.5	1849.1	1514.0
75°	666.7	682.5	745.6	838.6	933.3	1089.5	1361.4	1649.1	1693.0	1666.7	1340.4
77.5°	535.1	542.1	610.5	689.5	787.7	929.8	1187.7	1449.1	1480.7	1452.6	1143.9
80°	412.3	429.8	477.2	552.6	647.4	786.0	1007.0	1215.8	1245.6	1214.0	935.1
82.5°	324.6	329.8	373.7	445.6	526.3	643.9	828.1	987.7	1001.8	964.9	754.4
85°	250.9	254.4	291.2	352.6	422.8	517.5	661.4	777.2	780.7	759.7	589.5
87.5°	191.2	198.2	231.6	280.7	340.4	422.8	521.1	601.8	596.5	580.7	459.7
90°	150.9	154.4	178.9	222.8	271.9	333.3	407.0	459.7	449.1	442.1	347.4
92.5°	119.3	121.1	147.4	180.7	221.1	270.2	319.3	354.4	340.4	335.1	264.9
95°	94.7	98.2	117.5	147.4	180.7	217.5	250.9	268.4	259.7	250.9	205.3
97.5°	77.2	78.9	96.5	121.1	149.1	177.2	200.0	207.0	198.2	194.7	159.7
100°	64.9	64.9	80.7	101.8	122.8	145.6	159.7	163.2	156.1	147.4	122.8
102.5°	54.4	54.4	66.7	86.0	105.3	121.1	129.8	129.8	121.1	115.8	98.2
105°	45.6	47.4	56.1	73.7	89.5	101.8	108.8	103.5	96.5	93.0	78.9
107.5°	40.4	40.4	49.1	63.2	77.2	86.0	89.5	84.2	77.2	71.9	63.2
110°	36.8	36.8	42.1	54.4	66.7	75.4	75.4	70.2	61.4	57.9	52.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	31.6	33.3	36.8	47.4	57.9	64.9	64.9	57.9	50.9	47.4	43.9
115°	29.8	29.8	33.3	42.1	50.9	56.1	56.1	49.1	42.1	40.4	36.8
117.5°	26.3	26.3	29.8	36.8	43.9	49.1	47.4	42.1	35.1	33.3	31.6
120°	24.6	24.6	26.3	31.6	38.6	42.1	40.4	35.1	29.8	28.1	28.1
122.5°	22.8	22.8	24.6	28.1	35.1	36.8	35.1	29.8	26.3	24.6	26.3
125°	21.1	21.1	22.8	26.3	29.8	31.6	29.8	24.6	22.8	22.8	22.8
127.5°	21.1	21.1	21.1	22.8	26.3	28.1	26.3	21.1	19.3	19.3	21.1
130°	19.3	19.3	19.3	21.1	22.8	24.6	21.1	17.5	17.5	17.5	17.5
132.5°	17.5	17.5	17.5	17.5	19.3	19.3	17.5	15.8	15.8	15.8	15.8
135°	15.8	15.8	15.8	15.8	15.8	15.8	14.0	12.3	14.0	14.0	14.0
137.5°	14.0	14.0	14.0	14.0	14.0	12.3	12.3	10.5	12.3	12.3	12.3
140°	12.3	12.3	12.3	12.3	10.5	10.5	8.8	8.8	8.8	10.5	10.5
142.5°	10.5	10.5	10.5	10.5	8.8	7.0	7.0	7.0	8.8	8.8	8.8
145°	8.8	8.8	8.8	7.0	7.0	5.3	5.3	5.3	7.0	7.0	7.0
147.5°	7.0	7.0	7.0	5.3	5.3	3.5	3.5	3.5	5.3	5.3	5.3
150°	5.3	5.3	5.3	3.5	3.5	1.8	1.8	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°	175.4	175.4	175.4	175.4	175.4	175.4	175.4	175.4	175.4	175.4	175.4
2.5°	175.4	175.4	171.9	170.2	168.4	166.7	164.9	163.2	163.2	163.2	163.2
5°	184.2	178.9	173.7	168.4	163.2	159.7	154.4	152.6	150.9	149.1	149.1
7.5°	194.7	191.2	180.7	171.9	163.2	156.1	150.9	145.6	142.1	140.4	140.4
10°	214.0	207.0	194.7	180.7	168.4	157.9	149.1	142.1	138.6	136.8	136.8
12.5°	242.1	231.6	214.0	194.7	177.2	163.2	152.6	143.9	138.6	138.6	136.8
15°	275.4	263.2	240.4	215.8	191.2	171.9	159.7	152.6	147.4	145.6	145.6
17.5°	314.0	301.8	271.9	238.6	212.3	187.7	171.9	163.2	157.9	154.4	154.4
20°	361.4	343.9	305.3	266.7	231.6	208.8	186.0	175.4	168.4	164.9	163.2
22.5°	412.3	393.0	345.6	296.5	256.1	226.3	201.8	186.0	177.2	175.4	173.7
25°	473.7	445.6	387.7	328.1	280.7	243.9	215.8	196.5	189.5	186.0	186.0
27.5°	538.6	505.3	433.3	361.4	303.5	257.9	226.3	207.0	200.0	198.2	196.5
30°	607.0	568.4	480.7	398.2	324.6	271.9	238.6	219.3	210.5	208.8	208.8
32.5°	682.5	636.8	528.1	426.3	340.4	280.7	245.6	228.1	219.3	219.3	219.3
35°	756.1	703.5	577.2	456.1	354.4	287.7	252.6	236.8	228.1	229.8	229.8
37.5°	835.1	777.2	619.3	477.2	364.9	293.0	256.1	243.9	238.6	238.6	238.6
40°	921.1	838.6	657.9	493.0	368.4	294.7	259.7	249.1	245.6	245.6	247.4
42.5°	1003.5	910.5	691.2	505.3	370.2	294.7	261.4	254.4	252.6	252.6	252.6
45°	1086.0	973.7	721.1	508.8	368.4	293.0	263.2	257.9	257.9	257.9	257.9
47.5°	1175.4	1036.9	742.1	507.0	363.2	289.5	263.2	259.7	263.2	261.4	261.4
50°	1254.4	1096.5	756.1	501.8	356.1	286.0	261.4	263.2	266.7	264.9	264.9
52.5°	1336.9	1149.1	763.2	489.5	345.6	280.7	261.4	264.9	268.4	266.7	266.7
55°	1410.5	1194.7	763.2	475.4	336.8	277.2	261.4	266.7	271.9	270.2	270.2
57.5°	1470.2	1226.3	750.9	456.1	324.6	271.9	259.7	266.7	273.7	271.9	271.9
60°	1515.8	1243.9	733.3	436.8	314.0	266.7	257.9	266.7	275.4	271.9	273.7
62.5°	1535.1	1242.1	701.8	414.0	303.5	261.4	256.1	266.7	275.4	273.7	273.7
65°	1517.6	1212.3	666.7	393.0	291.2	256.1	254.4	266.7	277.2	273.7	273.7
67.5°	1466.7	1154.4	621.1	366.7	278.9	250.9	250.9	264.9	275.4	271.9	271.9
70°	1373.7	1070.2	568.4	343.9	266.7	243.9	245.6	259.7	270.2	270.2	268.4
72.5°	1249.1	961.4	510.5	317.5	254.4	235.1	238.6	254.4	263.2	263.2	261.4
75°	1103.5	835.1	452.6	293.0	240.4	226.3	229.8	243.9	254.4	252.6	250.9
77.5°	929.8	707.0	396.5	266.7	224.6	214.0	219.3	233.3	242.1	238.6	236.8
80°	770.2	594.7	345.6	240.4	208.8	201.8	207.0	217.5	224.6	222.8	221.1
82.5°	615.8	480.7	293.0	215.8	193.0	187.7	193.0	201.8	207.0	205.3	201.8
85°	479.0	389.5	250.9	191.2	175.4	171.9	177.2	184.2	187.7	184.2	182.5
87.5°	377.2	305.3	208.8	168.4	157.9	156.1	159.7	166.7	170.2	166.7	161.4
90°	294.7	245.6	177.2	149.1	142.1	142.1	143.9	149.1	149.1	145.6	143.9
92.5°	229.8	196.5	149.1	129.8	126.3	126.3	129.8	131.6	131.6	126.3	124.6
95°	180.7	157.9	126.3	114.0	112.3	112.3	115.8	115.8	114.0	108.8	107.0
97.5°	142.1	128.1	108.8	100.0	98.2	100.0	101.8	101.8	98.2	93.0	91.2
100°	114.0	105.3	91.2	87.7	87.7	89.5	89.5	87.7	84.2	78.9	78.9
102.5°	93.0	86.0	78.9	77.2	77.2	78.9	78.9	77.2	73.7	66.7	66.7
105°	75.4	70.2	66.7	66.7	68.4	68.4	68.4	66.7	61.4	56.1	56.1
107.5°	61.4	59.6	57.9	57.9	59.6	61.4	61.4	57.9	52.6	49.1	49.1
110°	50.9	50.9	50.9	50.9	52.6	54.4	54.4	50.9	45.6	42.1	42.1

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 CATALOG NUMBER: LXF.LXT-PA16-60-827-U-T3-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	43.9	42.1	43.9	45.6	47.4	49.1	47.4	43.9	38.6	36.8	36.8
115°	36.8	36.8	38.6	40.4	42.1	42.1	42.1	38.6	33.3	31.6	31.6
117.5°	33.3	33.3	33.3	35.1	36.8	38.6	36.8	33.3	28.1	28.1	28.1
120°	28.1	28.1	29.8	31.6	33.3	33.3	31.6	28.1	24.6	24.6	24.6
122.5°	26.3	26.3	26.3	28.1	29.8	29.8	28.1	24.6	21.1	22.8	22.8
125°	22.8	22.8	22.8	24.6	26.3	26.3	24.6	21.1	19.3	19.3	19.3
127.5°	21.1	21.1	21.1	21.1	22.8	22.8	21.1	19.3	17.5	17.5	17.5
130°	19.3	19.3	19.3	19.3	19.3	19.3	17.5	15.8	15.8	15.8	15.8
132.5°	15.8	15.8	15.8	15.8	17.5	17.5	15.8	14.0	14.0	14.0	14.0
135°	14.0	14.0	14.0	14.0	14.0	14.0	12.3	12.3	12.3	12.3	12.3
137.5°	12.3	12.3	12.3	12.3	12.3	12.3	10.5	10.5	10.5	10.5	10.5
140°	10.5	10.5	10.5	10.5	10.5	8.8	8.8	8.8	8.8	10.5	10.5
142.5°	8.8	8.8	8.8	8.8	7.0	7.0	7.0	7.0	8.8	8.8	8.8
145°	7.0	7.0	7.0	7.0	5.3	5.3	5.3	7.0	7.0	7.0	7.0
147.5°	5.3	5.3	5.3	5.3	3.5	3.5	3.5	5.3	5.3	7.0	7.0
150°	3.5	3.5	3.5	3.5	1.8	1.8	3.5	3.5	5.3	5.3	5.3
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

(END OF REPORT)