

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: P694773

Luminaire Tested: **LXF.LXT-PA16-30-727-U-T2R-FL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694773
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-9)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-30-727-U-T2R-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY
OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2882 lumens
Efficiency: N/A
Efficacy: 98.7 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 - G2

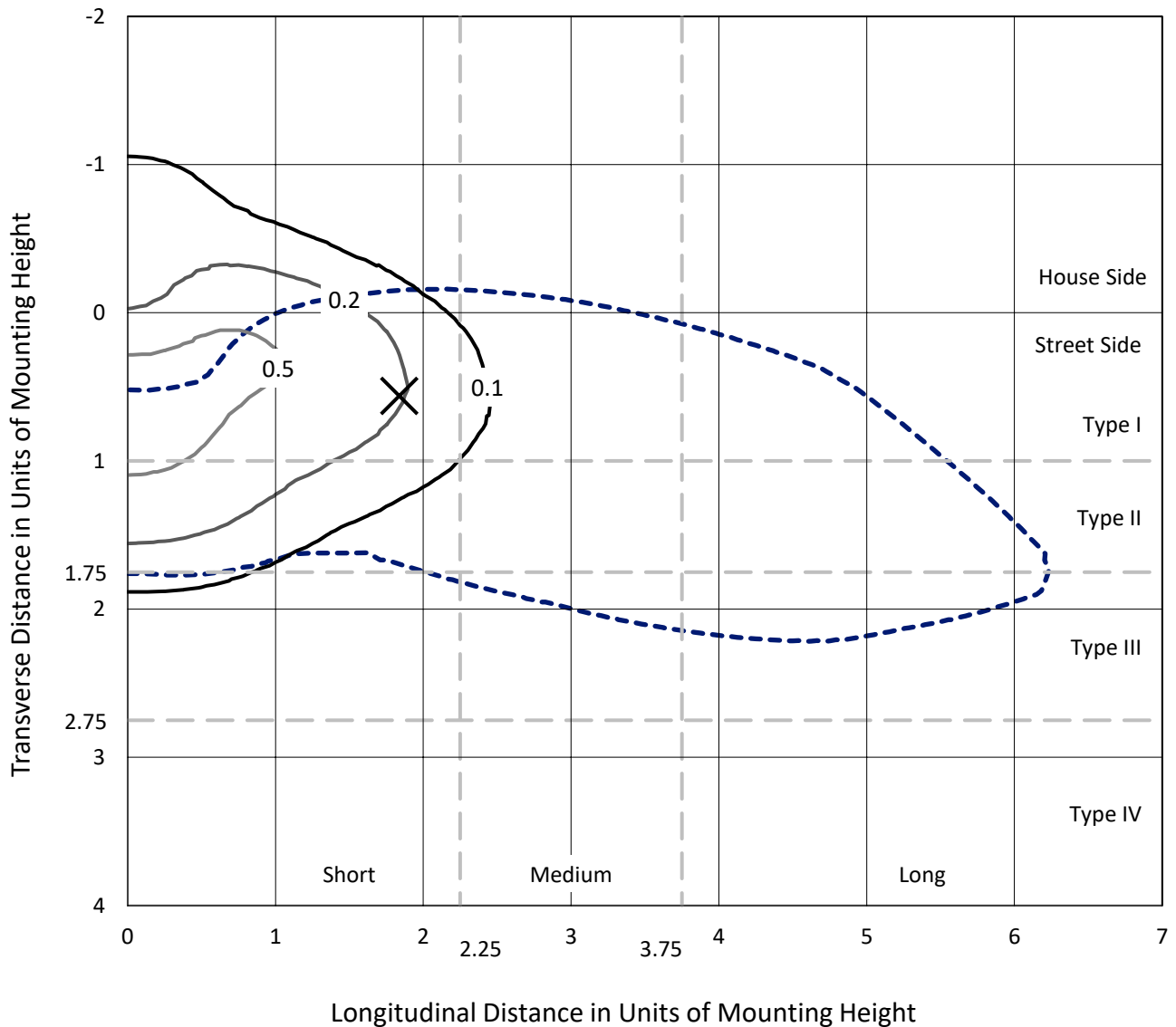
Input Watts (W): 29.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P694773
 CATALOG NUMBER: LXF.LXT-PA16-30-727-U-T2R-FL

Iso-Footcandle Lines of Horizontal Illumination

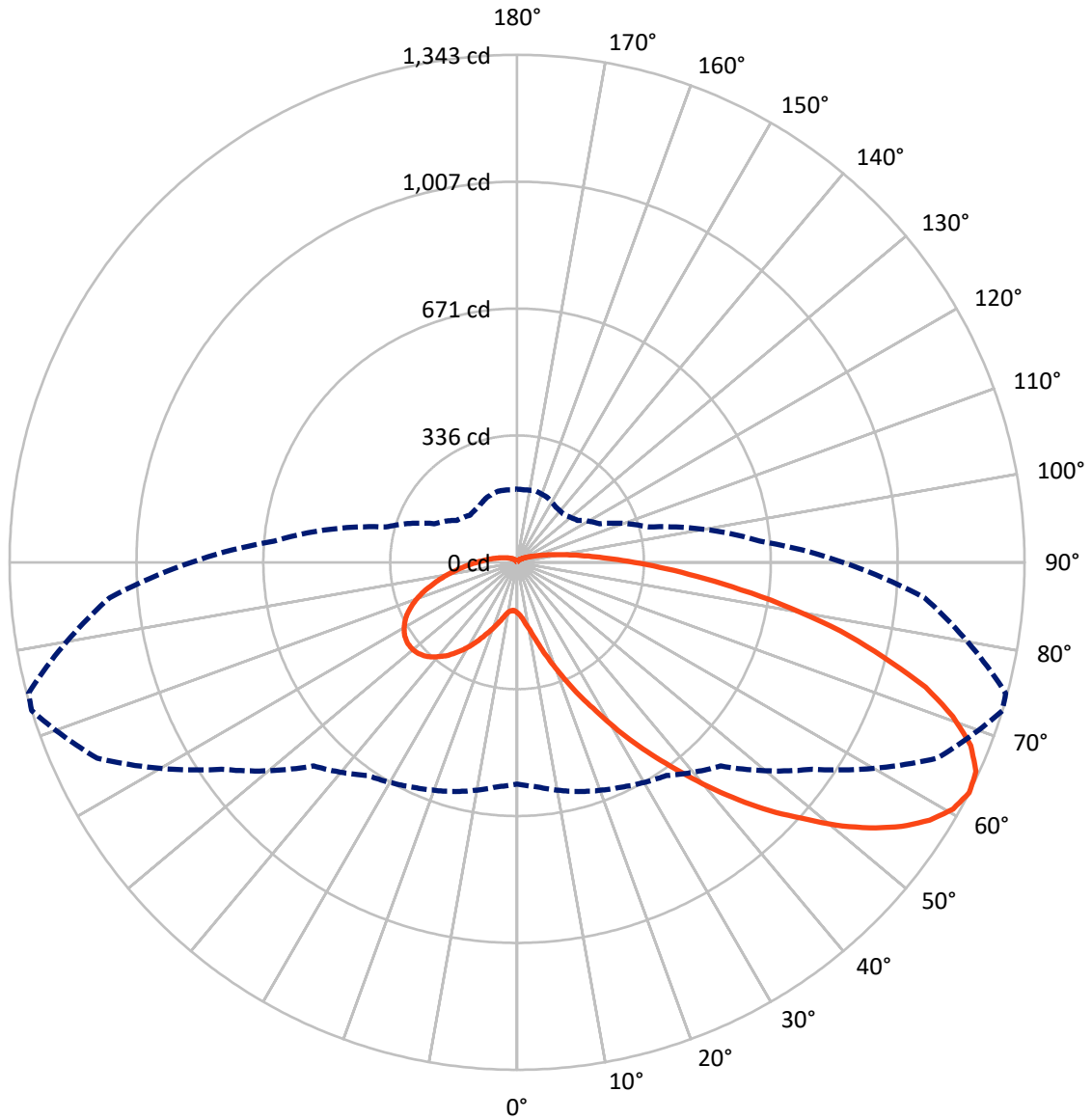
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type III - Short - N/A

REPORT NUMBER: P694773
CATALOG NUMBER: LXF.LXT-PA16-30-727-U-T2R-FL

Luminous Intensity Polar Plot



— Vertical Plane Through 73-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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 CATALOG NUMBER: LXF.LXT-PA16-30-727-U-T2R-FL

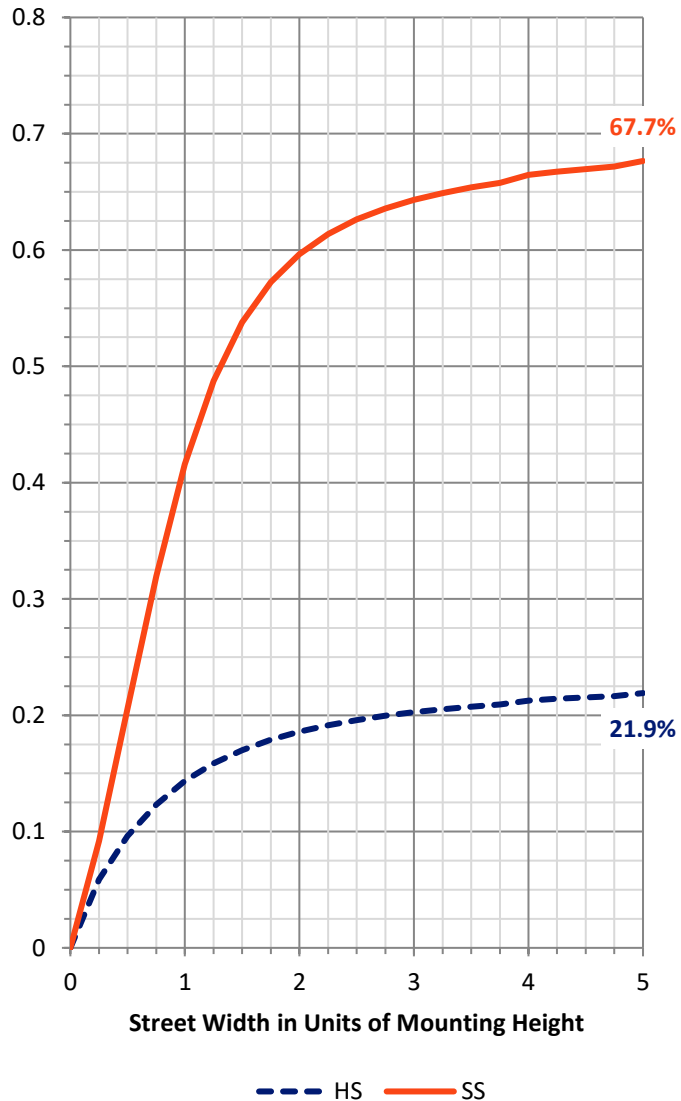
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	666.6	87.2	753.8
	% Fixture	23.1	3.0	26.2
Street Side	Lumens	2006.4	121.8	2128.2
	% Fixture	69.6	4.2	73.8
Total	Lumens	2673.0	209.0	2882.0
	% Fixture	92.7	7.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.0	0.5
10°-20°	58.7	2.0
20°-30°	151.5	5.3
30°-40°	296.7	10.3
40°-50°	453.2	15.7
50°-60°	552.1	19.2
60°-70°	533.9	18.5
70°-80°	394.3	13.7
80°-90°	218.6	7.6
90°-100°	103.8	3.6
100°-110°	51.1	1.8
110°-120°	27.5	1.0
120°-130°	15.3	0.5
130°-140°	8.0	0.3
140°-150°	3.1	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2673.0	92.7
0°-180°	2882.0	100.0

Coefficient of Utilization

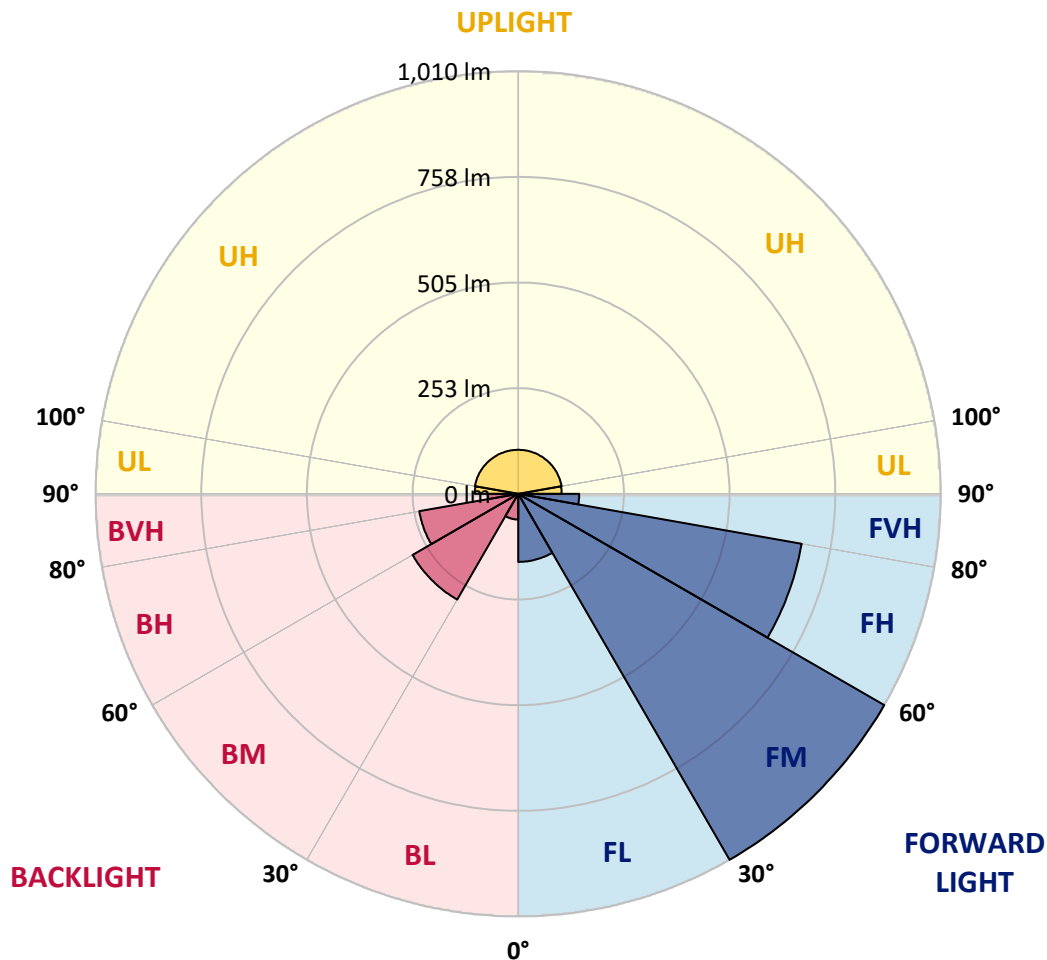


REPORT NUMBER: P694773
 CATALOG NUMBER: LXF.LXT-PA16-30-727-U-T2R-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	162.7	5.6			
FM (30°-60°)	1010.1	35.0			
FH (60°-80°)	687.9	23.9			G1/1800
FVH (80°-90°)	145.6	5.1			G2/225
BL (0°-30°)	61.5	2.1	B0/110		
BM (30°-60°)	291.9	10.1	B1/1000		
BH (60°-80°)	240.3	8.3	B1/500		G1/500
BVH (80°-90°)	73.0	2.5			G1/100
UL (90°-100°)	103.8	3.6		U3/500	
UH (100°-180°)	105.1	3.6		U3/500	

BUG Rating: B1-U3-G2
 Type III Short



REPORT NUMBER: P694773

CATALOG NUMBER: LXF.LXT-PA16-30-727-U-T2R-FL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
0°	133.8	133.8	133.8	133.8	133.8	133.8	133.8	133.8	133.8	133.8	133.8
2.5°	151.2	150.1	151.2	150.1	148.0	145.8	143.6	140.3	139.3	138.2	134.9
5°	176.3	177.3	176.3	171.9	169.7	165.4	161.0	154.5	149.1	148.0	141.4
7.5°	206.7	205.6	204.5	201.3	195.8	188.2	180.6	171.9	164.3	162.1	151.2
10°	242.6	239.4	240.4	232.8	226.3	216.5	206.7	193.7	180.6	178.4	164.3
12.5°	284.0	282.9	280.7	270.9	261.1	250.2	235.0	218.7	204.5	200.2	182.8
15°	334.0	329.7	327.5	316.6	303.5	289.4	270.9	251.3	233.9	230.7	205.6
17.5°	389.5	384.1	377.5	363.4	350.3	331.8	310.1	288.3	267.6	263.3	231.7
20°	447.2	445.0	437.4	420.0	400.4	380.8	356.9	330.7	304.6	299.2	263.3
22.5°	516.8	514.6	501.6	479.8	455.9	433.0	405.8	377.5	348.2	339.4	297.0
25°	592.9	586.4	571.2	544.0	516.8	485.2	458.0	427.6	396.0	385.1	336.2
27.5°	670.2	664.8	644.1	613.6	576.6	541.8	511.3	482.0	445.0	439.5	376.4
30°	746.4	746.4	719.2	684.3	635.4	596.2	566.8	539.6	505.9	498.3	425.4
32.5°	822.5	820.3	797.5	750.7	696.3	650.6	622.3	599.5	569.0	554.9	478.7
35°	893.2	892.1	861.7	811.6	751.8	703.9	680.0	664.8	634.3	622.3	532.0
37.5°	958.5	954.2	920.4	869.3	796.4	749.6	735.5	734.4	703.9	688.7	588.6
40°	1003.1	999.9	970.5	912.8	837.7	792.0	791.0	802.9	781.2	764.8	647.3
42.5°	1030.3	1026.0	1002.0	945.5	870.4	828.0	841.0	871.5	859.5	841.0	707.2
45°	1036.8	1033.6	1014.0	961.8	892.1	857.3	885.6	940.0	937.8	920.4	765.9
47.5°	1020.5	1020.5	1007.5	963.9	900.8	876.9	929.1	1006.4	1010.7	1002.0	828.0
50°	989.0	986.8	983.5	948.7	897.6	887.8	962.9	1073.8	1093.4	1080.4	892.1
52.5°	935.7	934.6	937.8	918.3	881.3	886.7	986.8	1131.5	1167.4	1155.4	946.5
55°	864.9	862.8	876.9	871.5	849.7	873.6	998.8	1178.3	1233.8	1222.9	999.9
57.5°	780.1	775.7	802.9	812.7	806.2	848.6	998.8	1210.9	1287.1	1277.3	1041.2
60°	682.2	685.4	713.7	740.9	748.5	810.5	982.4	1227.2	1325.2	1318.6	1068.4
62.5°	586.4	596.2	627.8	656.1	688.7	761.6	954.2	1226.2	1342.6	1338.2	1082.5
65°	495.0	505.9	537.5	576.6	616.9	703.9	910.6	1200.0	1333.9	1331.7	1076.0
67.5°	410.2	417.8	450.4	496.1	544.0	639.7	849.7	1151.1	1294.7	1295.8	1045.5
70°	337.3	341.6	376.4	422.1	471.1	567.9	776.8	1073.8	1222.9	1226.2	987.9
72.5°	277.4	285.1	311.2	353.6	405.8	502.6	699.6	980.3	1130.4	1129.3	910.6
75°	226.3	230.7	257.9	295.9	341.6	433.0	615.8	868.2	999.9	1008.6	810.5
77.5°	182.8	186.0	213.2	247.0	291.6	372.1	529.8	751.8	874.7	872.6	705.0
80°	148.0	152.3	175.2	205.6	245.9	316.6	448.2	629.9	733.3	735.5	586.4
82.5°	118.6	122.9	143.6	170.8	210.0	265.5	376.4	527.7	597.3	597.3	484.2
85°	94.7	99.0	118.6	142.5	174.1	225.2	309.0	422.1	476.5	479.8	391.7
87.5°	77.2	79.4	96.8	119.7	146.9	189.3	254.6	334.0	377.5	373.2	307.9
90°	62.0	64.2	79.4	99.0	124.0	158.8	207.8	269.8	292.7	291.6	240.4
92.5°	51.1	52.2	66.4	84.9	105.5	133.8	170.8	210.0	227.4	226.3	190.4
95°	42.4	43.5	56.6	71.8	90.3	113.1	139.3	168.6	179.5	177.3	149.1
97.5°	35.9	35.9	47.9	62.0	78.3	95.7	116.4	134.9	140.3	139.3	119.7
100°	30.5	30.5	40.3	54.4	68.5	82.7	96.8	107.7	109.9	111.0	94.7
102.5°	26.1	27.2	35.9	47.9	58.8	70.7	80.5	88.1	88.1	87.0	75.1
105°	23.9	23.9	30.5	41.3	52.2	60.9	68.5	72.9	70.7	68.5	59.8
107.5°	20.7	20.7	27.2	37.0	45.7	53.3	58.8	59.8	56.6	55.5	50.0
110°	18.5	19.6	23.9	32.6	41.3	46.8	50.0	50.0	46.8	45.7	41.3

REPORT NUMBER: P694773
 CATALOG NUMBER: LXF.LXT-PA16-30-727-U-T2R-FL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
112.5°	17.4	17.4	21.8	29.4	35.9	41.3	43.5	42.4	39.2	38.1	34.8
115°	16.3	16.3	19.6	26.1	32.6	37.0	38.1	35.9	32.6	31.6	29.4
117.5°	15.2	15.2	17.4	22.8	29.4	32.6	33.7	30.5	27.2	27.2	26.1
120°	14.1	14.1	16.3	20.7	26.1	29.4	29.4	26.1	23.9	22.8	22.8
122.5°	14.1	14.1	15.2	18.5	22.8	25.0	26.1	22.8	20.7	19.6	19.6
125°	13.1	13.1	14.1	16.3	20.7	22.8	21.8	19.6	17.4	17.4	17.4
127.5°	13.1	13.1	13.1	15.2	17.4	19.6	19.6	17.4	15.2	15.2	16.3
130°	12.0	12.0	12.0	13.1	15.2	17.4	16.3	14.1	13.1	13.1	14.1
132.5°	12.0	12.0	12.0	12.0	13.1	15.2	14.1	12.0	12.0	12.0	12.0
135°	10.9	10.9	10.9	10.9	12.0	12.0	12.0	10.9	9.8	10.9	10.9
137.5°	9.8	9.8	9.8	9.8	9.8	9.8	9.8	8.7	8.7	8.7	9.8
140°	8.7	8.7	8.7	8.7	7.6	7.6	7.6	6.5	7.6	7.6	8.7
142.5°	8.7	8.7	7.6	7.6	6.5	6.5	5.4	5.4	6.5	6.5	6.5
145°	7.6	7.6	6.5	5.4	4.4	4.4	4.4	4.4	4.4	5.4	5.4
147.5°	5.4	5.4	5.4	4.4	3.3	2.2	2.2	3.3	3.3	3.3	4.4
150°	4.4	4.4	4.4	3.3	2.2	1.1	1.1	2.2	2.2	2.2	3.3
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

REPORT NUMBER: P694773
 CATALOG NUMBER: LXF.LXT-PA16-30-727-U-T2R-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	133.8	133.8	133.8	133.8	133.8	133.8	133.8	133.8	133.8	133.8	133.8
2.5°	133.8	132.7	129.5	127.3	125.1	124.0	121.9	120.8	120.8	119.7	120.8
5°	138.2	134.9	128.4	122.9	117.5	113.1	109.9	107.7	106.6	105.5	104.4
7.5°	145.8	140.3	130.6	121.9	113.1	106.6	101.2	97.9	95.7	93.6	93.6
10°	156.7	149.1	134.9	122.9	112.1	103.4	95.7	91.4	89.2	87.0	87.0
12.5°	173.0	163.2	144.7	126.2	113.1	102.3	94.7	89.2	87.0	86.0	84.9
15°	193.7	181.7	157.8	136.0	117.5	103.4	95.7	93.6	91.4	90.3	90.3
17.5°	217.6	201.3	171.9	145.8	125.1	109.9	102.3	99.0	97.9	96.8	95.7
20°	243.7	225.2	188.2	156.7	133.8	120.8	109.9	106.6	105.5	104.4	104.4
22.5°	275.3	250.2	205.6	168.6	144.7	129.5	119.7	114.2	113.1	113.1	112.1
25°	307.9	280.7	225.2	181.7	155.6	139.3	128.4	122.9	121.9	122.9	122.9
27.5°	346.0	311.2	245.9	195.8	166.5	146.9	137.1	131.6	131.6	133.8	133.8
30°	387.3	342.7	266.6	210.0	176.3	154.5	144.7	141.4	142.5	143.6	144.7
32.5°	427.6	376.4	286.1	224.1	183.9	161.0	152.3	151.2	152.3	154.5	154.5
35°	474.4	414.5	305.7	236.1	190.4	166.5	158.8	159.9	162.1	164.3	165.4
37.5°	521.1	448.2	325.3	244.8	195.8	171.9	165.4	167.5	169.7	174.1	174.1
40°	565.7	483.1	340.5	252.4	200.2	175.2	169.7	174.1	178.4	180.6	180.6
42.5°	612.5	517.9	356.9	257.9	203.5	178.4	174.1	180.6	185.0	186.0	186.0
45°	660.4	547.3	368.8	262.2	205.6	180.6	177.3	183.9	189.3	190.4	190.4
47.5°	702.8	574.5	377.5	263.3	205.6	181.7	179.5	187.1	192.6	192.6	192.6
50°	747.4	601.7	383.0	264.4	206.7	182.8	180.6	189.3	194.7	193.7	194.7
52.5°	785.5	623.4	385.1	262.2	205.6	181.7	181.7	191.5	196.9	194.7	194.7
55°	819.2	639.7	384.1	258.9	203.5	181.7	181.7	191.5	196.9	194.7	194.7
57.5°	844.3	649.5	379.7	254.6	201.3	180.6	181.7	191.5	196.9	194.7	194.7
60°	859.5	650.6	371.0	249.1	198.0	178.4	179.5	190.4	195.8	193.7	193.7
62.5°	861.7	645.2	360.1	241.5	193.7	176.3	178.4	189.3	194.7	192.6	193.7
65°	849.7	628.9	346.0	232.8	189.3	173.0	176.3	187.1	192.6	191.5	191.5
67.5°	819.2	600.6	326.4	221.9	182.8	168.6	173.0	182.8	190.4	188.2	188.2
70°	770.3	561.4	305.7	210.0	174.1	163.2	167.5	178.4	185.0	183.9	183.9
72.5°	706.1	514.6	280.7	195.8	165.4	156.7	162.1	171.9	177.3	177.3	176.3
75°	628.9	462.4	253.5	180.6	155.6	149.1	155.6	163.2	167.5	166.5	165.4
77.5°	546.2	405.8	227.4	165.4	144.7	140.3	145.8	154.5	156.7	155.6	153.4
80°	462.4	348.2	201.3	149.1	132.7	129.5	134.9	141.4	143.6	140.3	139.3
82.5°	386.2	290.5	175.2	133.8	120.8	118.6	124.0	128.4	128.4	126.2	122.9
85°	312.2	244.8	153.4	118.6	108.8	107.7	112.1	114.2	113.1	109.9	106.6
87.5°	251.3	200.2	131.6	105.5	96.8	95.7	99.0	100.1	97.9	93.6	91.4
90°	203.5	164.3	113.1	93.6	86.0	86.0	87.0	87.0	83.8	78.3	76.2
92.5°	162.1	134.9	97.9	81.6	77.2	75.1	76.2	75.1	70.7	67.5	64.2
95°	130.6	111.0	84.9	72.9	68.5	66.4	67.5	65.3	59.8	55.5	53.3
97.5°	105.5	91.4	72.9	64.2	60.9	58.8	58.8	55.5	52.2	46.8	44.6
100°	84.9	75.1	63.1	56.6	53.3	52.2	51.1	49.0	44.6	39.2	38.1
102.5°	68.5	63.1	54.4	50.0	47.9	46.8	45.7	42.4	38.1	32.6	32.6
105°	56.6	53.3	47.9	44.6	42.4	41.3	40.3	37.0	32.6	28.3	28.3
107.5°	46.8	44.6	41.3	39.2	38.1	37.0	35.9	32.6	28.3	23.9	25.0
110°	40.3	38.1	35.9	34.8	34.8	33.7	31.6	29.4	25.0	21.8	21.8

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	33.7	32.6	31.6	31.6	30.5	29.4	28.3	25.0	21.8	19.6	19.6
115°	29.4	28.3	28.3	28.3	27.2	27.2	25.0	22.8	18.5	17.4	17.4
117.5°	25.0	25.0	25.0	25.0	25.0	23.9	22.8	19.6	16.3	15.2	15.2
120°	22.8	22.8	21.8	21.8	21.8	21.8	19.6	17.4	14.1	14.1	14.1
122.5°	19.6	19.6	19.6	19.6	19.6	18.5	17.4	15.2	13.1	13.1	13.1
125°	17.4	17.4	17.4	18.5	17.4	17.4	15.2	13.1	10.9	12.0	12.0
127.5°	16.3	16.3	16.3	15.2	15.2	15.2	13.1	10.9	9.8	10.9	10.9
130°	14.1	14.1	14.1	14.1	14.1	13.1	12.0	9.8	8.7	9.8	9.8
132.5°	13.1	13.1	13.1	12.0	12.0	10.9	9.8	8.7	7.6	8.7	8.7
135°	10.9	10.9	10.9	10.9	9.8	9.8	8.7	6.5	7.6	7.6	7.6
137.5°	9.8	9.8	9.8	8.7	8.7	7.6	6.5	5.4	6.5	6.5	6.5
140°	8.7	8.7	8.7	7.6	6.5	6.5	5.4	5.4	5.4	6.5	6.5
142.5°	6.5	6.5	6.5	6.5	5.4	4.4	4.4	4.4	5.4	5.4	5.4
145°	5.4	5.4	5.4	4.4	4.4	3.3	3.3	3.3	4.4	4.4	4.4
147.5°	4.4	4.4	4.4	3.3	3.3	2.2	2.2	3.3	4.4	4.4	4.4
150°	3.3	3.3	3.3	2.2	2.2	1.1	2.2	2.2	3.3	3.3	3.3
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)