

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: P695233

Luminaire Tested: **LXF.LXT-PA16-40-827-U-T3-FL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695233
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-PA16-40-827-U-T3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 740mA 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: 3328 lumens
Efficiency: N/A
Efficacy: 82.8 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

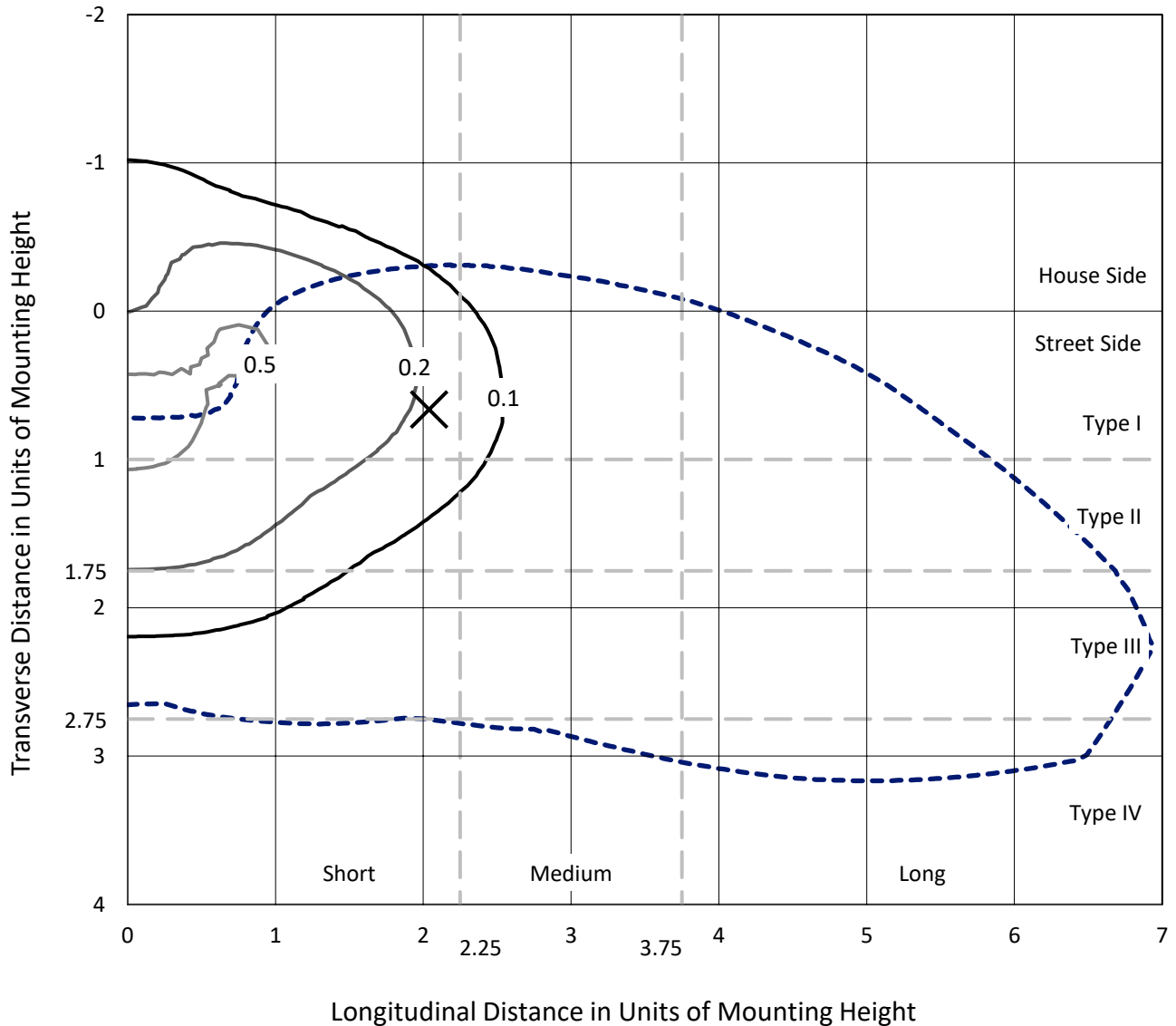
Input Watts (W): 40.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P695233
 CATALOG NUMBER: LXF.LXT-PA16-40-827-U-T3-FL

Iso-Footcandle Lines of Horizontal Illumination

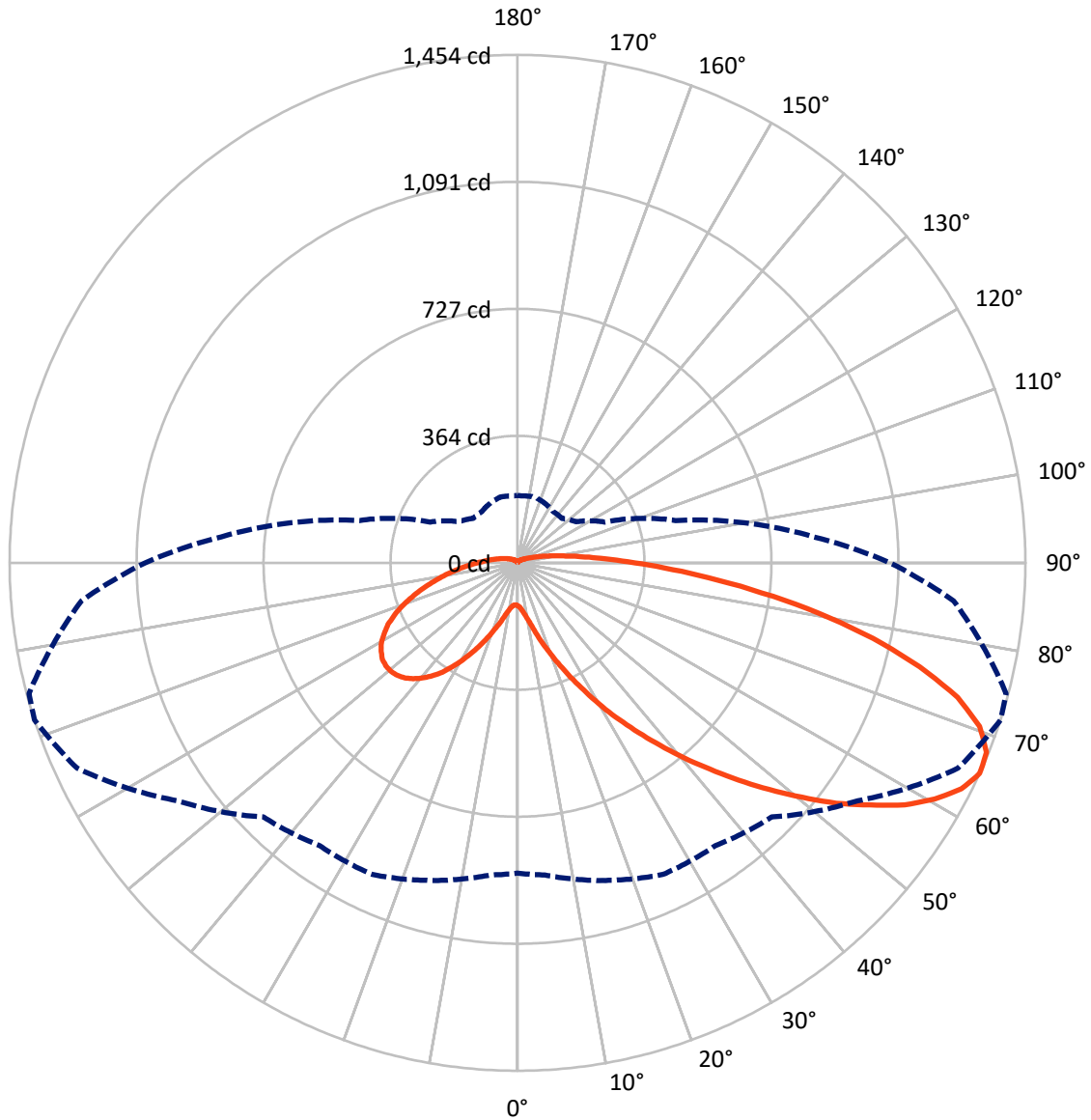
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type III - Short - N/A

REPORT NUMBER: P695233
CATALOG NUMBER: LXF.LXT-PA16-40-827-U-T3-FL

Luminous Intensity Polar Plot



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

REPORT NUMBER: P695233
 CATALOG NUMBER: LXF.LXT-PA16-40-827-U-T3-FL

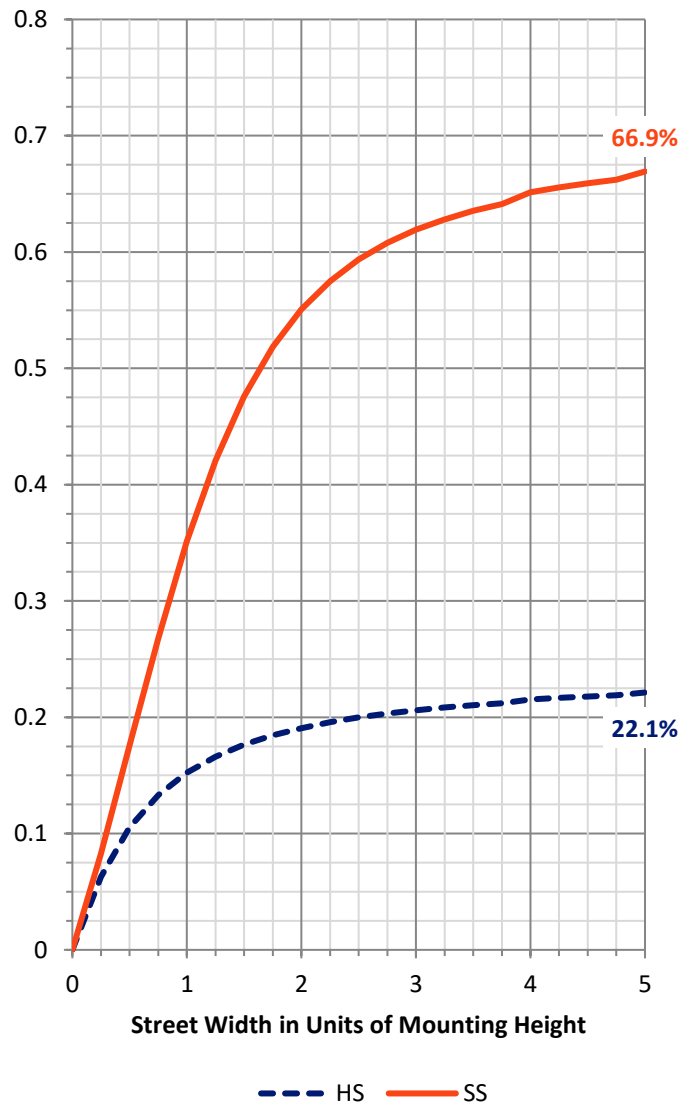
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	777.7	98.4	876.1
	% Fixture	23.4	3.0	26.3
Street Side	Lumens	2312.7	139.2	2451.9
	% Fixture	69.5	4.2	73.7
Total	Lumens	3090.4	237.6	3328.0
	% Fixture	92.9	7.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.9	0.4
10°-20°	54.1	1.6
20°-30°	139.4	4.2
30°-40°	277.3	8.3
40°-50°	451.4	13.6
50°-60°	624.9	18.8
60°-70°	698.1	21.0
70°-80°	546.5	16.4
80°-90°	285.8	8.6
90°-100°	124.4	3.7
100°-110°	57.3	1.7
110°-120°	29.2	0.9
120°-130°	15.7	0.5
130°-140°	7.9	0.2
140°-150°	3.0	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3090.4	92.9
0°-180°	3328.0	100.0

Coefficient of Utilization



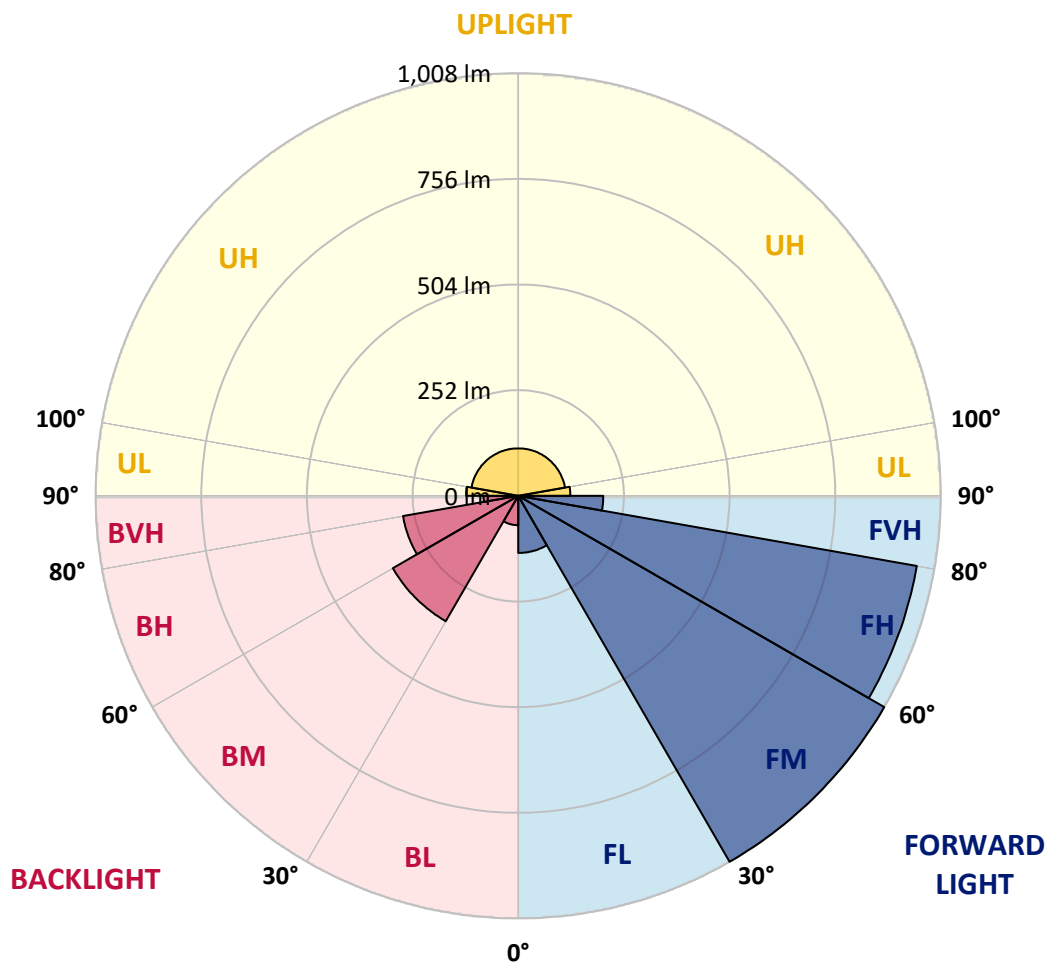
REPORT NUMBER: P695233
 CATALOG NUMBER: LXF.LXT-PA16-40-827-U-T3-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	136.3	4.1			
FM (30°-60°)	1008.1	30.3			
FH (60°-80°)	965.5	29.0			G1/1800
FVH (80°-90°)	202.8	6.1			G2/225
BL (0°-30°)	70.1	2.1	B0/110		
BM (30°-60°)	345.5	10.4	B1/1000		
BH (60°-80°)	279.1	8.4	B1/500		G1/500
BVH (80°-90°)	83.0	2.5			G1/100
UL (90°-100°)	124.4	3.7		U3/500	
UH (100°-180°)	113.2	3.4		U3/500	

BUG Rating: B1-U3-G2

Type III Short



REPORT NUMBER: P695233
 CATALOG NUMBER: LXF.LXT-PA16-40-827-U-T3-FL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	123.2	123.2	123.2	123.2	123.2	123.2	123.2	123.2	123.2	123.2	123.2
2.5°	133.1	134.3	134.3	133.1	133.1	131.9	130.6	128.2	126.9	126.9	124.5
5°	150.3	151.6	150.3	149.1	147.9	144.2	142.9	139.3	136.8	135.6	130.6
7.5°	172.5	172.5	171.3	168.8	166.4	163.9	157.7	152.8	149.1	146.6	140.5
10°	195.9	195.9	194.7	193.5	189.8	183.6	177.5	171.3	165.1	163.9	155.3
12.5°	228.0	225.5	223.0	219.3	215.7	209.5	200.9	193.5	187.3	186.1	176.2
15°	260.0	261.2	256.3	250.2	245.2	237.8	230.4	224.3	216.9	214.4	200.9
17.5°	297.0	298.2	294.5	289.6	281.0	273.6	263.7	255.1	250.2	245.2	229.2
20°	342.6	342.6	338.9	329.0	320.4	311.8	303.1	293.3	284.7	281.0	263.7
22.5°	390.6	389.4	384.5	372.2	361.1	350.0	342.6	332.7	326.6	321.6	301.9
25°	448.6	444.9	437.5	422.7	407.9	394.3	383.2	379.5	370.9	366.0	347.5
27.5°	505.2	507.7	495.4	475.7	454.7	441.2	431.3	426.4	420.2	417.8	394.3
30°	575.5	570.6	557.0	532.4	502.8	484.3	479.4	478.1	478.1	473.2	448.6
32.5°	640.8	635.9	621.1	591.5	555.8	532.4	528.7	532.4	534.8	533.6	502.8
35°	707.3	702.4	685.2	653.1	605.1	577.9	577.9	592.7	596.4	594.0	563.2
37.5°	770.2	767.7	750.5	707.3	661.7	628.5	633.4	656.8	663.0	661.7	622.3
40°	830.6	830.6	813.3	766.5	711.0	677.8	686.4	722.1	734.5	733.2	690.1
42.5°	892.2	889.7	873.7	828.1	764.0	727.1	743.1	787.4	807.2	809.6	757.9
45°	945.2	942.7	930.4	879.9	815.8	777.6	801.0	861.4	887.3	886.0	824.4
47.5°	990.8	989.5	980.9	934.1	866.3	830.6	863.8	937.8	969.8	969.8	899.6
50°	1027.7	1029.0	1022.8	984.6	913.1	881.1	926.7	1015.4	1054.9	1054.9	971.1
52.5°	1051.2	1053.6	1056.1	1020.3	957.5	927.9	987.1	1096.7	1143.6	1142.3	1043.8
55°	1058.5	1061.0	1073.3	1051.2	993.2	971.1	1047.5	1175.6	1223.7	1220.0	1110.3
57.5°	1046.2	1051.2	1072.1	1064.7	1017.9	1005.6	1098.0	1243.4	1307.5	1303.8	1171.9
60°	1015.4	1021.6	1051.2	1059.8	1027.7	1029.0	1144.8	1311.2	1372.8	1370.3	1220.0
62.5°	961.2	971.1	1009.3	1032.7	1019.1	1038.8	1175.6	1362.9	1425.8	1422.1	1248.3
65°	888.5	897.1	941.5	984.6	988.3	1029.0	1187.9	1391.3	1454.1	1448.0	1253.3
67.5°	802.2	798.5	855.2	910.7	932.9	993.2	1171.9	1387.6	1448.0	1436.9	1222.4
70°	696.3	696.3	754.2	809.6	856.4	937.8	1127.6	1348.1	1403.6	1387.6	1163.3
72.5°	571.8	585.3	635.9	701.2	759.1	857.7	1058.5	1270.5	1317.3	1298.8	1063.5
75°	468.3	479.4	523.7	589.0	655.6	765.3	956.3	1158.4	1189.2	1170.7	941.5
77.5°	375.9	380.8	428.8	484.3	553.3	653.1	834.3	1017.9	1040.1	1020.3	803.5
80°	289.6	301.9	335.2	388.2	454.7	552.1	707.3	854.0	874.9	852.8	656.8
82.5°	228.0	231.7	262.5	313.0	369.7	452.3	581.6	693.8	703.6	677.8	529.9
85°	176.2	178.7	204.6	247.7	297.0	363.5	464.6	545.9	548.4	533.6	414.1
87.5°	134.3	139.3	162.7	197.2	239.1	297.0	366.0	422.7	419.0	407.9	322.9
90°	106.0	108.4	125.7	156.5	191.0	234.1	285.9	322.9	315.5	310.5	244.0
92.5°	83.8	85.0	103.5	126.9	155.3	189.8	224.3	248.9	239.1	235.4	186.1
95°	66.5	69.0	82.6	103.5	126.9	152.8	176.2	188.5	182.4	176.2	144.2
97.5°	54.2	55.5	67.8	85.0	104.7	124.5	140.5	145.4	139.3	136.8	112.1
100°	45.6	45.6	56.7	71.5	86.3	102.3	112.1	114.6	109.7	103.5	86.3
102.5°	38.2	38.2	46.8	60.4	73.9	85.0	91.2	91.2	85.0	81.3	69.0
105°	32.0	33.3	39.4	51.8	62.8	71.5	76.4	72.7	67.8	65.3	55.5
107.5°	28.3	28.3	34.5	44.4	54.2	60.4	62.8	59.2	54.2	50.5	44.4
110°	25.9	25.9	29.6	38.2	46.8	53.0	53.0	49.3	43.1	40.7	37.0

REPORT NUMBER: P695233
 CATALOG NUMBER: LXF.LXT-PA16-40-827-U-T3-FL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	22.2	23.4	25.9	33.3	40.7	45.6	45.6	40.7	35.7	33.3	30.8
115°	20.9	20.9	23.4	29.6	35.7	39.4	39.4	34.5	29.6	28.3	25.9
117.5°	18.5	18.5	20.9	25.9	30.8	34.5	33.3	29.6	24.6	23.4	22.2
120°	17.3	17.3	18.5	22.2	27.1	29.6	28.3	24.6	20.9	19.7	19.7
122.5°	16.0	16.0	17.3	19.7	24.6	25.9	24.6	20.9	18.5	17.3	18.5
125°	14.8	14.8	16.0	18.5	20.9	22.2	20.9	17.3	16.0	16.0	16.0
127.5°	14.8	14.8	14.8	16.0	18.5	19.7	18.5	14.8	13.6	13.6	14.8
130°	13.6	13.6	13.6	14.8	16.0	17.3	14.8	12.3	12.3	12.3	12.3
132.5°	12.3	12.3	12.3	12.3	13.6	13.6	12.3	11.1	11.1	11.1	11.1
135°	11.1	11.1	11.1	11.1	11.1	11.1	9.9	8.6	9.9	9.9	9.9
137.5°	9.9	9.9	9.9	9.9	9.9	8.6	8.6	7.4	8.6	8.6	8.6
140°	8.6	8.6	8.6	8.6	7.4	7.4	6.2	6.2	6.2	7.4	7.4
142.5°	7.4	7.4	7.4	7.4	6.2	4.9	4.9	4.9	6.2	6.2	6.2
145°	6.2	6.2	6.2	4.9	4.9	3.7	3.7	3.7	4.9	4.9	4.9
147.5°	4.9	4.9	4.9	3.7	3.7	2.5	2.5	2.5	3.7	3.7	3.7
150°	3.7	3.7	3.7	2.5	2.5	1.2	1.2	2.5	2.5	2.5	2.5
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

REPORT NUMBER: P695233
 CATALOG NUMBER: LXF.LXT-PA16-40-827-U-T3-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	123.2	123.2	123.2	123.2	123.2	123.2	123.2	123.2	123.2	123.2	123.2
2.5°	123.2	123.2	120.8	119.5	118.3	117.1	115.8	114.6	114.6	114.6	114.6
5°	129.4	125.7	122.0	118.3	114.6	112.1	108.4	107.2	106.0	104.7	104.7
7.5°	136.8	134.3	126.9	120.8	114.6	109.7	106.0	102.3	99.8	98.6	98.6
10°	150.3	145.4	136.8	126.9	118.3	110.9	104.7	99.8	97.4	96.1	96.1
12.5°	170.1	162.7	150.3	136.8	124.5	114.6	107.2	101.0	97.4	97.4	96.1
15°	193.5	184.8	168.8	151.6	134.3	120.8	112.1	107.2	103.5	102.3	102.3
17.5°	220.6	212.0	191.0	167.6	149.1	131.9	120.8	114.6	110.9	108.4	108.4
20°	253.9	241.5	214.4	187.3	162.7	146.6	130.6	123.2	118.3	115.8	114.6
22.5°	289.6	276.0	242.8	208.3	179.9	159.0	141.7	130.6	124.5	123.2	122.0
25°	332.7	313.0	272.3	230.4	197.2	171.3	151.6	138.0	133.1	130.6	130.6
27.5°	378.3	354.9	304.4	253.9	213.2	181.1	159.0	145.4	140.5	139.3	138.0
30°	426.4	399.3	337.7	279.7	228.0	191.0	167.6	154.0	147.9	146.6	146.6
32.5°	479.4	447.3	370.9	299.4	239.1	197.2	172.5	160.2	154.0	154.0	154.0
35°	531.1	494.2	405.4	320.4	248.9	202.1	177.5	166.4	160.2	161.4	161.4
37.5°	586.6	545.9	435.0	335.2	256.3	205.8	179.9	171.3	167.6	167.6	167.6
40°	647.0	589.0	462.1	346.3	258.8	207.0	182.4	175.0	172.5	172.5	173.8
42.5°	704.9	639.6	485.5	354.9	260.0	207.0	183.6	178.7	177.5	177.5	177.5
45°	762.8	683.9	506.5	357.4	258.8	205.8	184.8	181.1	181.1	181.1	181.1
47.5°	825.6	728.3	521.3	356.1	255.1	203.3	184.8	182.4	184.8	183.6	183.6
50°	881.1	770.2	531.1	352.4	250.2	200.9	183.6	184.8	187.3	186.1	186.1
52.5°	939.0	807.2	536.1	343.8	242.8	197.2	183.6	186.1	188.5	187.3	187.3
55°	990.8	839.2	536.1	334.0	236.6	194.7	183.6	187.3	191.0	189.8	189.8
57.5°	1032.7	861.4	527.4	320.4	228.0	191.0	182.4	187.3	192.2	191.0	191.0
60°	1064.7	873.7	515.1	306.8	220.6	187.3	181.1	187.3	193.5	191.0	192.2
62.5°	1078.3	872.5	492.9	290.8	213.2	183.6	179.9	187.3	193.5	192.2	192.2
65°	1065.9	851.5	468.3	276.0	204.6	179.9	178.7	187.3	194.7	192.2	192.2
67.5°	1030.2	810.9	436.2	257.6	195.9	176.2	176.2	186.1	193.5	191.0	191.0
70°	964.9	751.7	399.3	241.5	187.3	171.3	172.5	182.4	189.8	189.8	188.5
72.5°	877.4	675.3	358.6	223.0	178.7	165.1	167.6	178.7	184.8	184.8	183.6
75°	775.1	586.6	317.9	205.8	168.8	159.0	161.4	171.3	178.7	177.5	176.2
77.5°	653.1	496.6	278.5	187.3	157.7	150.3	154.0	163.9	170.1	167.6	166.4
80°	541.0	417.8	242.8	168.8	146.6	141.7	145.4	152.8	157.7	156.5	155.3
82.5°	432.5	337.7	205.8	151.6	135.6	131.9	135.6	141.7	145.4	144.2	141.7
85°	336.4	273.6	176.2	134.3	123.2	120.8	124.5	129.4	131.9	129.4	128.2
87.5°	264.9	214.4	146.6	118.3	110.9	109.7	112.1	117.1	119.5	117.1	113.4
90°	207.0	172.5	124.5	104.7	99.8	99.8	101.0	104.7	104.7	102.3	101.0
92.5°	161.4	138.0	104.7	91.2	88.7	88.7	91.2	92.4	92.4	88.7	87.5
95°	126.9	110.9	88.7	80.1	78.9	78.9	81.3	81.3	80.1	76.4	75.2
97.5°	99.8	90.0	76.4	70.2	69.0	70.2	71.5	71.5	69.0	65.3	64.1
100°	80.1	73.9	64.1	61.6	61.6	62.8	62.8	61.6	59.2	55.5	55.5
102.5°	65.3	60.4	55.5	54.2	54.2	55.5	55.5	54.2	51.8	46.8	46.8
105°	53.0	49.3	46.8	46.8	48.1	48.1	48.1	46.8	43.1	39.4	39.4
107.5°	43.1	41.9	40.7	40.7	41.9	43.1	43.1	40.7	37.0	34.5	34.5
110°	35.7	35.7	35.7	35.7	37.0	38.2	38.2	35.7	32.0	29.6	29.6

REPORT NUMBER: P695233
 CATALOG NUMBER: LXF.LXT-PA16-40-827-U-T3-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	30.8	29.6	30.8	32.0	33.3	34.5	33.3	30.8	27.1	25.9	25.9
115°	25.9	25.9	27.1	28.3	29.6	29.6	29.6	27.1	23.4	22.2	22.2
117.5°	23.4	23.4	23.4	24.6	25.9	27.1	25.9	23.4	19.7	19.7	19.7
120°	19.7	19.7	20.9	22.2	23.4	23.4	22.2	19.7	17.3	17.3	17.3
122.5°	18.5	18.5	18.5	19.7	20.9	20.9	19.7	17.3	14.8	16.0	16.0
125°	16.0	16.0	16.0	17.3	18.5	18.5	17.3	14.8	13.6	13.6	13.6
127.5°	14.8	14.8	14.8	14.8	16.0	16.0	14.8	13.6	12.3	12.3	12.3
130°	13.6	13.6	13.6	13.6	13.6	13.6	12.3	11.1	11.1	11.1	11.1
132.5°	11.1	11.1	11.1	11.1	12.3	12.3	11.1	9.9	9.9	9.9	9.9
135°	9.9	9.9	9.9	9.9	9.9	9.9	8.6	8.6	8.6	8.6	8.6
137.5°	8.6	8.6	8.6	8.6	8.6	8.6	7.4	7.4	7.4	7.4	7.4
140°	7.4	7.4	7.4	7.4	7.4	6.2	6.2	6.2	6.2	7.4	7.4
142.5°	6.2	6.2	6.2	6.2	4.9	4.9	4.9	4.9	6.2	6.2	6.2
145°	4.9	4.9	4.9	4.9	3.7	3.7	3.7	4.9	4.9	4.9	4.9
147.5°	3.7	3.7	3.7	3.7	2.5	2.5	2.5	3.7	3.7	4.9	4.9
150°	2.5	2.5	2.5	2.5	1.2	1.2	2.5	2.5	3.7	3.7	3.7
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)