

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: P695043

Luminaire Tested: **LXF.LXT-PA16-40-727-U-T2R-FL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695043
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-PA16-40-727-U-T2R-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 740mA 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: 3640 lumens
Efficiency: N/A
Efficacy: 90.5 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

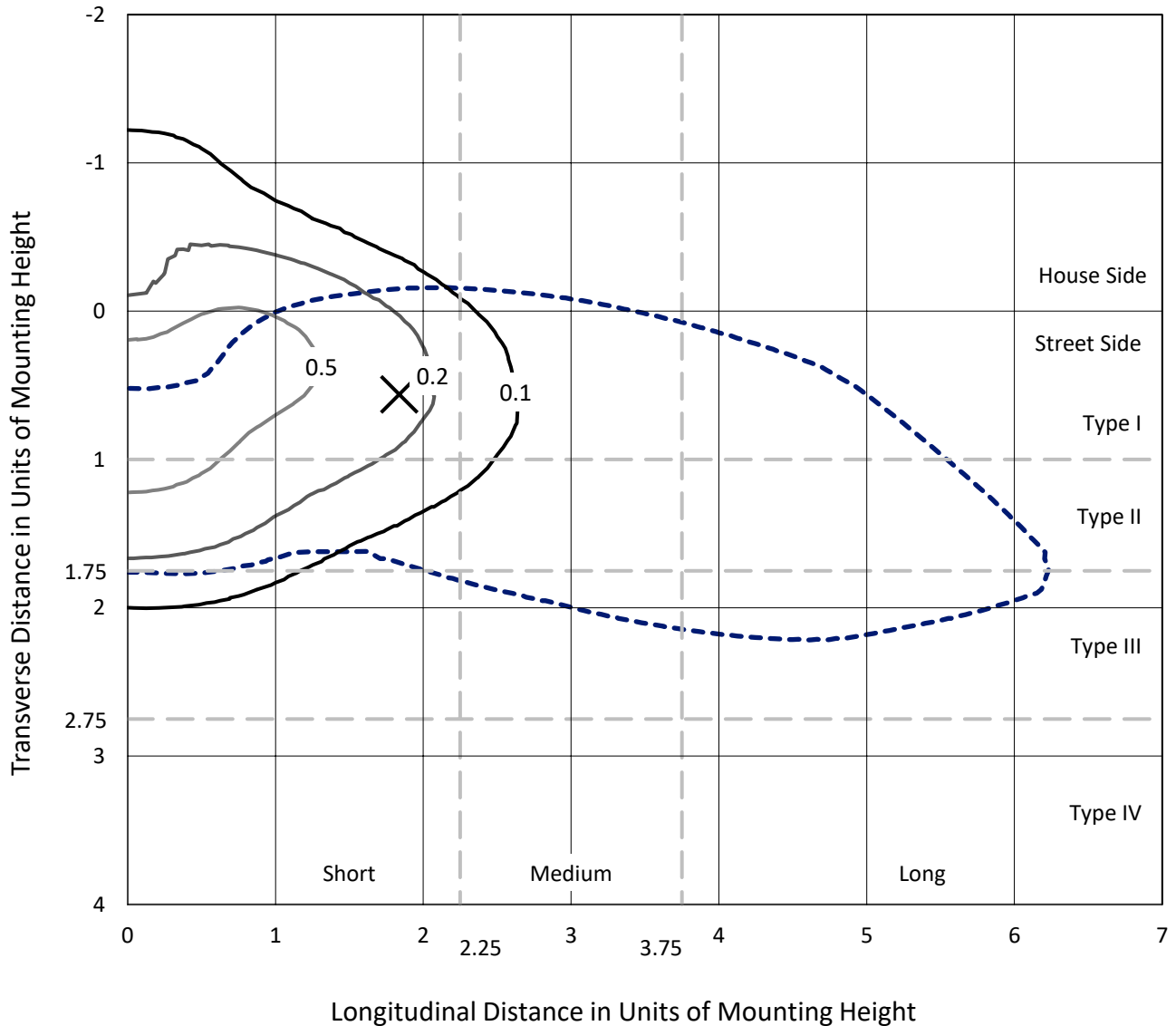
Input Watts (W): 40.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P695043
 CATALOG NUMBER: LXF.LXT-PA16-40-727-U-T2R-FL

Iso-Footcandle Lines of Horizontal Illumination

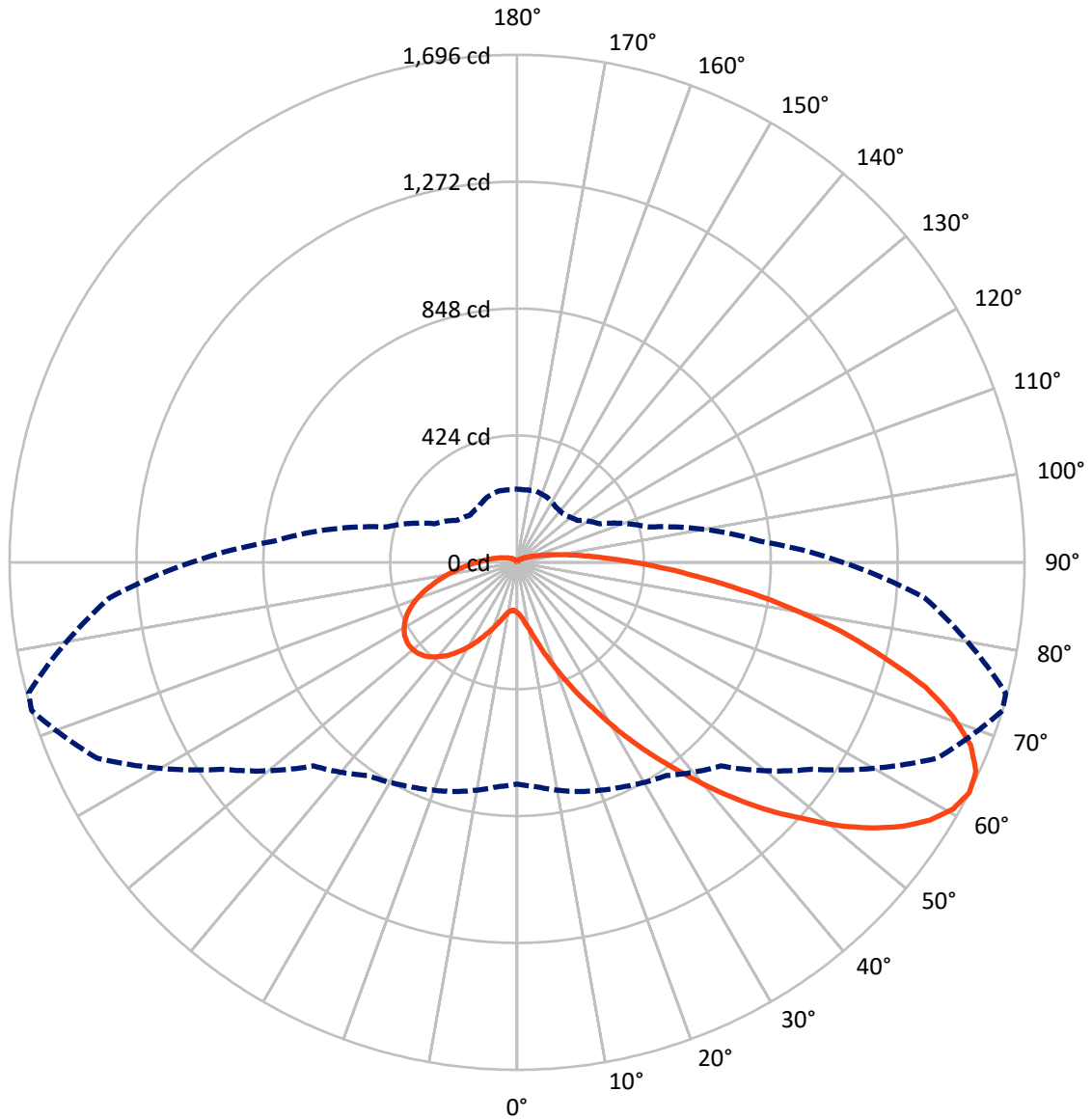
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type III - Short - N/A

REPORT NUMBER: P695043
CATALOG NUMBER: LXF.LXT-PA16-40-727-U-T2R-FL

Luminous Intensity Polar Plot



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

REPORT NUMBER: P695043
 CATALOG NUMBER: LXF.LXT-PA16-40-727-U-T2R-FL

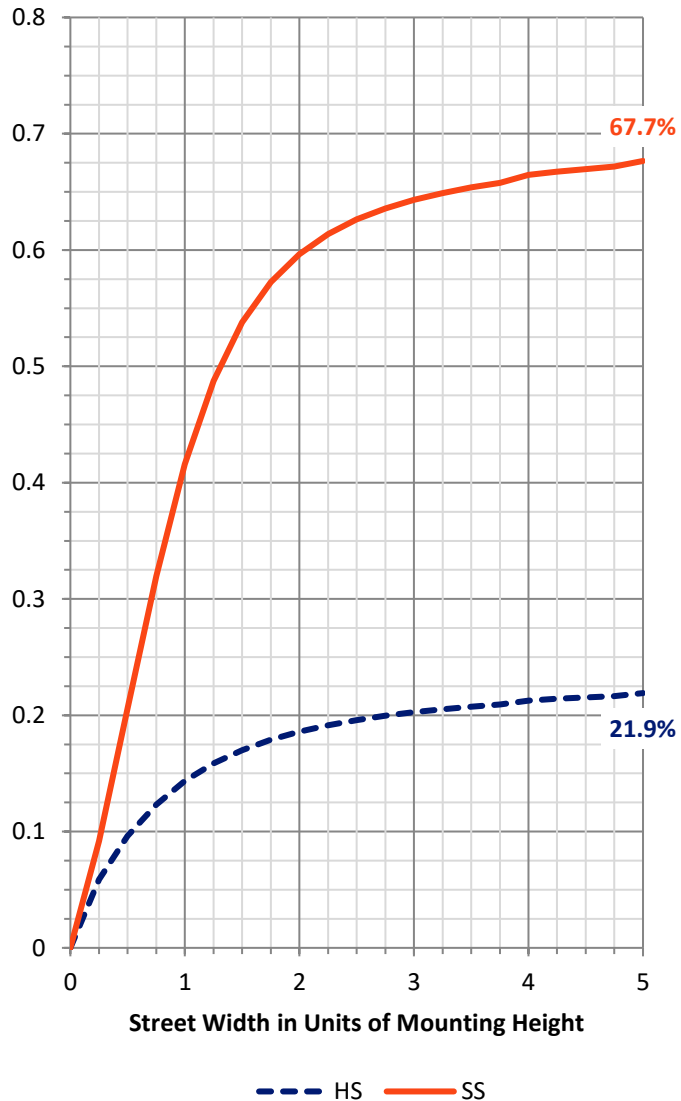
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	842.0	110.1	952.1
	% Fixture	23.1	3.0	26.2
Street Side	Lumens	2534.1	153.8	2687.9
	% Fixture	69.6	4.2	73.8
Total	Lumens	3376.1	263.9	3640.0
	% Fixture	92.7	7.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.7	0.5
10°-20°	74.2	2.0
20°-30°	191.4	5.3
30°-40°	374.8	10.3
40°-50°	572.4	15.7
50°-60°	697.3	19.2
60°-70°	674.3	18.5
70°-80°	498.0	13.7
80°-90°	276.1	7.6
90°-100°	131.1	3.6
100°-110°	64.6	1.8
110°-120°	34.7	1.0
120°-130°	19.3	0.5
130°-140°	10.0	0.3
140°-150°	3.9	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3376.1	92.7
0°-180°	3640.0	100.0

Coefficient of Utilization



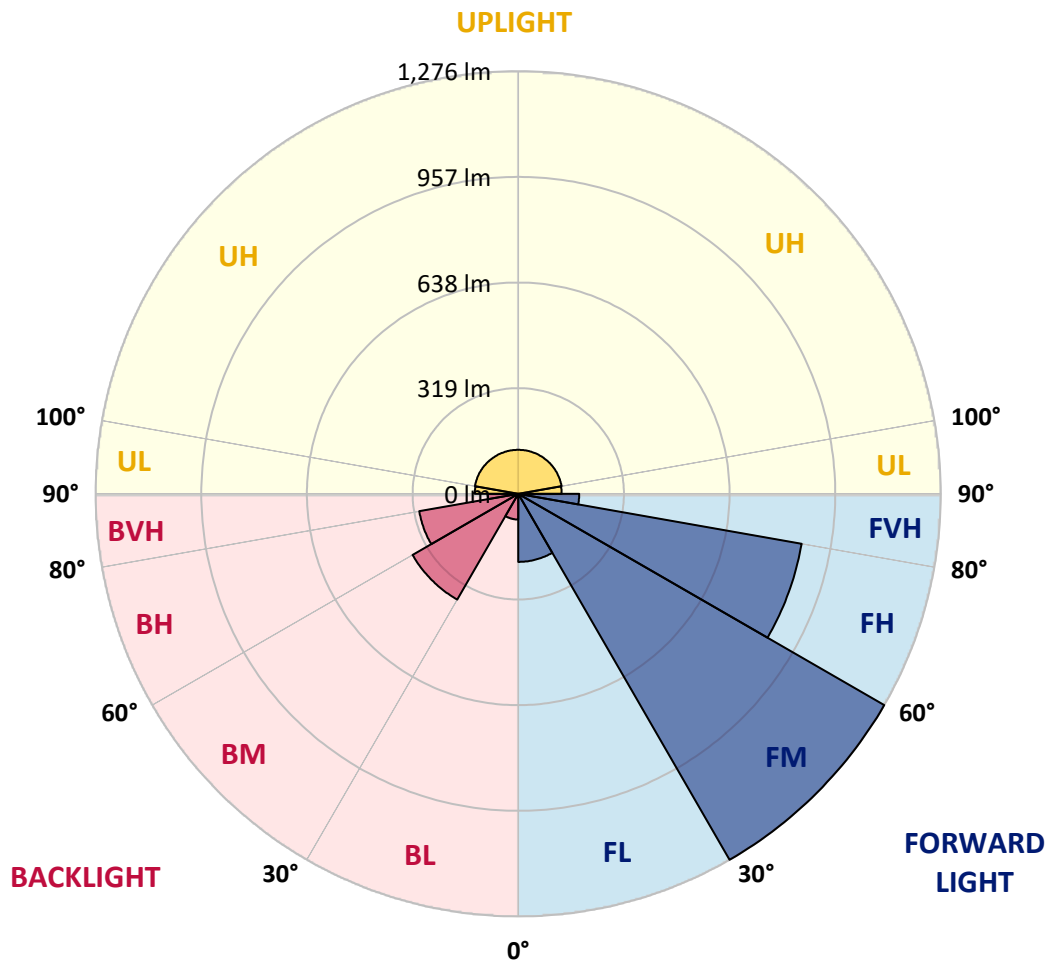
REPORT NUMBER: P695043
 CATALOG NUMBER: LXF.LXT-PA16-40-727-U-T2R-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	205.5	5.6			
FM (30°-60°)	1275.8	35.0			
FH (60°-80°)	868.8	23.9			G1/1800
FVH (80°-90°)	183.9	5.1			G2/225
BL (0°-30°)	77.6	2.1	B0/110		
BM (30°-60°)	368.7	10.1	B1/1000		
BH (60°-80°)	303.5	8.3	B1/500		G1/500
BVH (80°-90°)	92.2	2.5			G1/100
UL (90°-100°)	131.1	3.6		U3/500	
UH (100°-180°)	132.8	3.6		U3/500	

BUG Rating: B1-U3-G2

Type III Short



REPORT NUMBER: P695043
 CATALOG NUMBER: LXF.LXT-PA16-40-727-U-T2R-FL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
0°	169.0	169.0	169.0	169.0	169.0	169.0	169.0	169.0	169.0	169.0	169.0
2.5°	191.0	189.6	191.0	189.6	186.9	184.1	181.4	177.3	175.9	174.5	170.4
5°	222.6	224.0	222.6	217.1	214.4	208.9	203.4	195.1	188.3	186.9	178.6
7.5°	261.1	259.7	258.3	254.2	247.3	237.7	228.1	217.1	207.5	204.7	191.0
10°	306.4	302.3	303.7	294.1	285.8	273.5	261.1	244.6	228.1	225.4	207.5
12.5°	358.6	357.3	354.5	342.2	329.8	316.0	296.8	276.2	258.3	252.8	230.9
15°	421.9	416.4	413.6	399.9	383.4	365.5	342.2	317.4	295.4	291.3	259.7
17.5°	491.9	485.1	476.8	459.0	442.5	419.1	391.6	364.1	338.0	332.5	292.7
20°	564.8	562.0	552.4	530.4	505.7	480.9	450.7	417.7	384.8	377.9	332.5
22.5°	652.7	650.0	633.5	606.0	575.8	546.9	512.6	476.8	439.7	428.7	375.1
25°	748.9	740.7	721.4	687.1	652.7	612.9	578.5	540.0	500.2	486.4	424.6
27.5°	846.5	839.6	813.5	775.0	728.3	684.3	645.8	608.7	562.0	555.1	475.4
30°	942.7	942.7	908.3	864.3	802.5	753.0	715.9	681.6	639.0	629.4	537.3
32.5°	1038.8	1036.1	1007.2	948.1	879.4	821.7	786.0	757.1	718.7	700.8	604.6
35°	1128.2	1126.8	1088.3	1025.1	949.5	889.1	858.8	839.6	801.1	786.0	671.9
37.5°	1210.6	1205.1	1162.5	1097.9	1005.9	946.8	928.9	927.5	889.1	869.8	743.4
40°	1266.9	1262.8	1225.7	1152.9	1058.1	1000.4	999.0	1014.1	986.6	966.0	817.6
42.5°	1301.3	1295.8	1265.6	1194.1	1099.3	1045.7	1062.2	1100.7	1085.6	1062.2	893.2
45°	1309.5	1305.4	1280.7	1214.7	1126.8	1082.8	1118.5	1187.2	1184.5	1162.5	967.4
47.5°	1288.9	1288.9	1272.4	1217.5	1137.8	1107.5	1173.5	1271.1	1276.6	1265.6	1045.7
50°	1249.1	1246.3	1242.2	1198.2	1133.7	1121.3	1216.1	1356.3	1381.0	1364.5	1126.8
52.5°	1181.8	1180.4	1184.5	1159.8	1113.0	1119.9	1246.3	1429.1	1474.4	1459.3	1195.5
55°	1092.4	1089.7	1107.5	1100.7	1073.2	1103.4	1261.5	1488.2	1558.3	1544.5	1262.8
57.5°	985.3	979.8	1014.1	1026.5	1018.2	1071.8	1261.5	1529.4	1625.6	1613.2	1315.0
60°	861.6	865.7	901.4	935.8	945.4	1023.7	1240.8	1550.0	1673.7	1665.4	1349.4
62.5°	740.7	753.0	792.9	828.6	869.8	961.9	1205.1	1548.6	1695.7	1690.2	1367.3
65°	625.2	639.0	678.8	728.3	779.1	889.1	1150.1	1515.7	1684.7	1681.9	1359.0
67.5°	518.0	527.7	568.9	626.6	687.1	808.0	1073.2	1453.8	1635.2	1636.6	1320.5
70°	426.0	431.5	475.4	533.2	595.0	717.3	981.1	1356.3	1544.5	1548.6	1247.7
72.5°	350.4	360.0	393.0	446.6	512.6	634.8	883.6	1238.1	1427.7	1426.3	1150.1
75°	285.8	291.3	325.7	373.8	431.5	546.9	777.8	1096.6	1262.8	1273.8	1023.7
77.5°	230.9	235.0	269.3	311.9	368.3	470.0	669.2	949.5	1104.8	1102.1	890.4
80°	186.9	192.4	221.2	259.7	310.6	399.9	566.1	795.6	926.2	928.9	740.7
82.5°	149.8	155.3	181.4	215.7	265.2	335.3	475.4	666.5	754.4	754.4	611.5
85°	119.5	125.0	149.8	180.0	219.9	284.4	390.3	533.2	601.9	606.0	494.7
87.5°	97.6	100.3	122.3	151.2	185.5	239.1	321.5	421.9	476.8	471.3	388.9
90°	78.3	81.1	100.3	125.0	156.7	200.6	262.5	340.8	369.6	368.3	303.7
92.5°	64.6	66.0	83.8	107.2	133.3	169.0	215.7	265.2	287.2	285.8	240.5
95°	53.6	55.0	71.5	90.7	114.1	142.9	175.9	213.0	226.7	224.0	188.3
97.5°	45.3	45.3	60.5	78.3	98.9	120.9	147.0	170.4	177.3	175.9	151.2
100°	38.5	38.5	50.8	68.7	86.6	104.4	122.3	136.0	138.8	140.2	119.5
102.5°	33.0	34.4	45.3	60.5	74.2	89.3	101.7	111.3	111.3	109.9	94.8
105°	30.2	30.2	38.5	52.2	66.0	77.0	86.6	92.1	89.3	86.6	75.6
107.5°	26.1	26.1	34.4	46.7	57.7	67.3	74.2	75.6	71.5	70.1	63.2
110°	23.4	24.7	30.2	41.2	52.2	59.1	63.2	63.2	59.1	57.7	52.2

REPORT NUMBER: P695043
 CATALOG NUMBER: LXF.LXT-PA16-40-727-U-T2R-FL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
112.5°	22.0	22.0	27.5	37.1	45.3	52.2	55.0	53.6	49.5	48.1	44.0
115°	20.6	20.6	24.7	33.0	41.2	46.7	48.1	45.3	41.2	39.8	37.1
117.5°	19.2	19.2	22.0	28.9	37.1	41.2	42.6	38.5	34.4	34.4	33.0
120°	17.9	17.9	20.6	26.1	33.0	37.1	37.1	33.0	30.2	28.9	28.9
122.5°	17.9	17.9	19.2	23.4	28.9	31.6	33.0	28.9	26.1	24.7	24.7
125°	16.5	16.5	17.9	20.6	26.1	28.9	27.5	24.7	22.0	22.0	22.0
127.5°	16.5	16.5	16.5	19.2	22.0	24.7	24.7	22.0	19.2	19.2	20.6
130°	15.1	15.1	15.1	16.5	19.2	22.0	20.6	17.9	16.5	16.5	17.9
132.5°	15.1	15.1	15.1	15.1	16.5	19.2	17.9	15.1	15.1	15.1	15.1
135°	13.7	13.7	13.7	13.7	15.1	15.1	15.1	13.7	12.4	13.7	13.7
137.5°	12.4	12.4	12.4	12.4	12.4	12.4	12.4	11.0	11.0	11.0	12.4
140°	11.0	11.0	11.0	11.0	9.6	9.6	9.6	8.2	9.6	9.6	11.0
142.5°	11.0	11.0	9.6	9.6	8.2	8.2	6.9	6.9	8.2	8.2	8.2
145°	9.6	9.6	8.2	6.9	5.5	5.5	5.5	5.5	5.5	6.9	6.9
147.5°	6.9	6.9	6.9	5.5	4.1	2.7	2.7	4.1	4.1	4.1	5.5
150°	5.5	5.5	5.5	4.1	2.7	1.4	1.4	2.7	2.7	2.7	4.1
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: P695043
 CATALOG NUMBER: LXF.LXT-PA16-40-727-U-T2R-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	169.0	169.0	169.0	169.0	169.0	169.0	169.0	169.0	169.0	169.0	169.0
2.5°	169.0	167.6	163.5	160.8	158.0	156.7	153.9	152.5	152.5	151.2	152.5
5°	174.5	170.4	162.1	155.3	148.4	142.9	138.8	136.0	134.7	133.3	131.9
7.5°	184.1	177.3	164.9	153.9	142.9	134.7	127.8	123.7	120.9	118.2	118.2
10°	197.9	188.3	170.4	155.3	141.5	130.5	120.9	115.4	112.7	109.9	109.9
12.5°	218.5	206.1	182.8	159.4	142.9	129.2	119.5	112.7	109.9	108.6	107.2
15°	244.6	229.5	199.2	171.8	148.4	130.5	120.9	118.2	115.4	114.1	114.1
17.5°	274.8	254.2	217.1	184.1	158.0	138.8	129.2	125.0	123.7	122.3	120.9
20°	307.8	284.4	237.7	197.9	169.0	152.5	138.8	134.7	133.3	131.9	131.9
22.5°	347.7	316.0	259.7	213.0	182.8	163.5	151.2	144.3	142.9	142.9	141.5
25°	388.9	354.5	284.4	229.5	196.5	175.9	162.1	155.3	153.9	155.3	155.3
27.5°	437.0	393.0	310.6	247.3	210.2	185.5	173.1	166.3	166.3	169.0	169.0
30°	489.2	432.9	336.7	265.2	222.6	195.1	182.8	178.6	180.0	181.4	182.8
32.5°	540.0	475.4	361.4	283.1	232.2	203.4	192.4	191.0	192.4	195.1	195.1
35°	599.1	523.5	386.1	298.2	240.5	210.2	200.6	202.0	204.7	207.5	208.9
37.5°	658.2	566.1	410.9	309.2	247.3	217.1	208.9	211.6	214.4	219.9	219.9
40°	714.5	610.1	430.1	318.8	252.8	221.2	214.4	219.9	225.4	228.1	228.1
42.5°	773.6	654.1	450.7	325.7	257.0	225.4	219.9	228.1	233.6	235.0	235.0
45°	834.1	691.2	465.8	331.2	259.7	228.1	224.0	232.2	239.1	240.5	240.5
47.5°	887.7	725.5	476.8	332.5	259.7	229.5	226.7	236.4	243.2	243.2	243.2
50°	944.0	759.9	483.7	333.9	261.1	230.9	228.1	239.1	246.0	244.6	246.0
52.5°	992.1	787.4	486.4	331.2	259.7	229.5	229.5	241.8	248.7	246.0	246.0
55°	1034.7	808.0	485.1	327.0	257.0	229.5	229.5	241.8	248.7	246.0	246.0
57.5°	1066.3	820.4	479.6	321.5	254.2	228.1	229.5	241.8	248.7	246.0	246.0
60°	1085.6	821.7	468.6	314.7	250.1	225.4	226.7	240.5	247.3	244.6	244.6
62.5°	1088.3	814.9	454.8	305.1	244.6	222.6	225.4	239.1	246.0	243.2	244.6
65°	1073.2	794.2	437.0	294.1	239.1	218.5	222.6	236.4	243.2	241.8	241.8
67.5°	1034.7	758.5	412.2	280.3	230.9	213.0	218.5	230.9	240.5	237.7	237.7
70°	972.9	709.1	386.1	265.2	219.9	206.1	211.6	225.4	233.6	232.2	232.2
72.5°	891.8	650.0	354.5	247.3	208.9	197.9	204.7	217.1	224.0	224.0	222.6
75°	794.2	584.0	320.2	228.1	196.5	188.3	196.5	206.1	211.6	210.2	208.9
77.5°	689.8	512.6	287.2	208.9	182.8	177.3	184.1	195.1	197.9	196.5	193.8
80°	584.0	439.7	254.2	188.3	167.6	163.5	170.4	178.6	181.4	177.3	175.9
82.5°	487.8	366.9	221.2	169.0	152.5	149.8	156.7	162.1	162.1	159.4	155.3
85°	394.4	309.2	193.8	149.8	137.4	136.0	141.5	144.3	142.9	138.8	134.7
87.5°	317.4	252.8	166.3	133.3	122.3	120.9	125.0	126.4	123.7	118.2	115.4
90°	257.0	207.5	142.9	118.2	108.6	108.6	109.9	109.9	105.8	98.9	96.2
92.5°	204.7	170.4	123.7	103.1	97.6	94.8	96.2	94.8	89.3	85.2	81.1
95°	164.9	140.2	107.2	92.1	86.6	83.8	85.2	82.4	75.6	70.1	67.3
97.5°	133.3	115.4	92.1	81.1	77.0	74.2	74.2	70.1	66.0	59.1	56.3
100°	107.2	94.8	79.7	71.5	67.3	66.0	64.6	61.8	56.3	49.5	48.1
102.5°	86.6	79.7	68.7	63.2	60.5	59.1	57.7	53.6	48.1	41.2	41.2
105°	71.5	67.3	60.5	56.3	53.6	52.2	50.8	46.7	41.2	35.7	35.7
107.5°	59.1	56.3	52.2	49.5	48.1	46.7	45.3	41.2	35.7	30.2	31.6
110°	50.8	48.1	45.3	44.0	44.0	42.6	39.8	37.1	31.6	27.5	27.5

REPORT NUMBER: P695043
 CATALOG NUMBER: LXF.LXT-PA16-40-727-U-T2R-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	42.6	41.2	39.8	39.8	38.5	37.1	35.7	31.6	27.5	24.7	24.7
115°	37.1	35.7	35.7	35.7	34.4	34.4	31.6	28.9	23.4	22.0	22.0
117.5°	31.6	31.6	31.6	31.6	31.6	30.2	28.9	24.7	20.6	19.2	19.2
120°	28.9	28.9	27.5	27.5	27.5	27.5	24.7	22.0	17.9	17.9	17.9
122.5°	24.7	24.7	24.7	24.7	24.7	23.4	22.0	19.2	16.5	16.5	16.5
125°	22.0	22.0	22.0	23.4	22.0	22.0	19.2	16.5	13.7	15.1	15.1
127.5°	20.6	20.6	20.6	19.2	19.2	19.2	16.5	13.7	12.4	13.7	13.7
130°	17.9	17.9	17.9	17.9	17.9	16.5	15.1	12.4	11.0	12.4	12.4
132.5°	16.5	16.5	16.5	15.1	15.1	13.7	12.4	11.0	9.6	11.0	11.0
135°	13.7	13.7	13.7	13.7	12.4	12.4	11.0	8.2	9.6	9.6	9.6
137.5°	12.4	12.4	12.4	11.0	11.0	9.6	8.2	6.9	8.2	8.2	8.2
140°	11.0	11.0	11.0	9.6	8.2	8.2	6.9	6.9	6.9	8.2	8.2
142.5°	8.2	8.2	8.2	8.2	6.9	5.5	5.5	5.5	6.9	6.9	6.9
145°	6.9	6.9	6.9	5.5	5.5	4.1	4.1	4.1	5.5	5.5	5.5
147.5°	5.5	5.5	5.5	4.1	4.1	2.7	2.7	4.1	5.5	5.5	5.5
150°	4.1	4.1	4.1	2.7	2.7	1.4	2.7	2.7	4.1	4.1	4.1
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)