

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: P695221

Luminaire Tested: **LXF.LXT-PA16-40-827-U-T2R-A**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695221
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-7)
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-T2R-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3333 lumens
Efficiency: N/A
Efficacy: 82.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Short
BUG Rating: B1 - U3 - G2

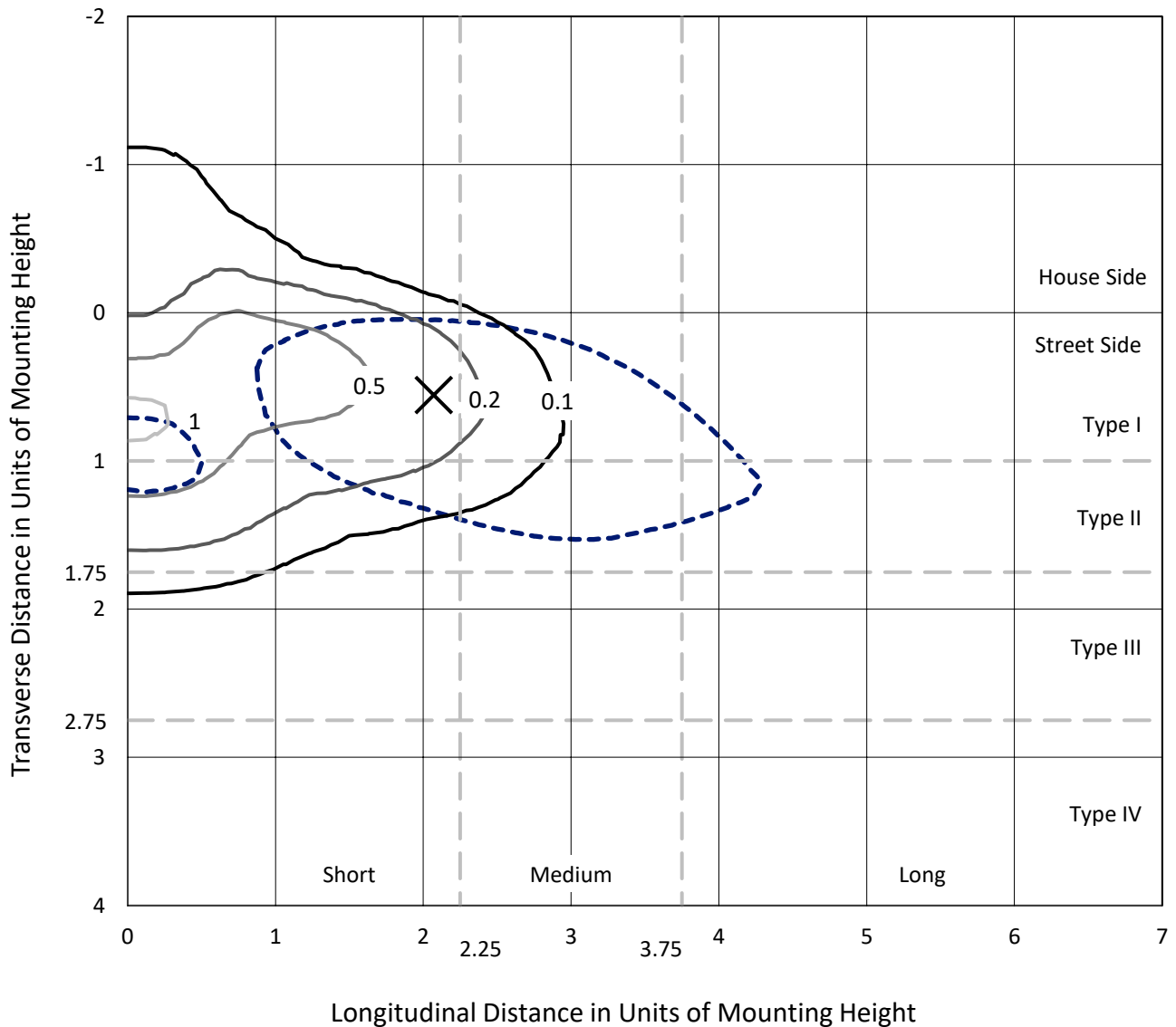
Input Watts (W): 40.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P695221
 CATALOG NUMBER: LXF.LXT-PA16-40-827-U-T2R-A

Iso-Footcandle Lines of Horizontal Illumination

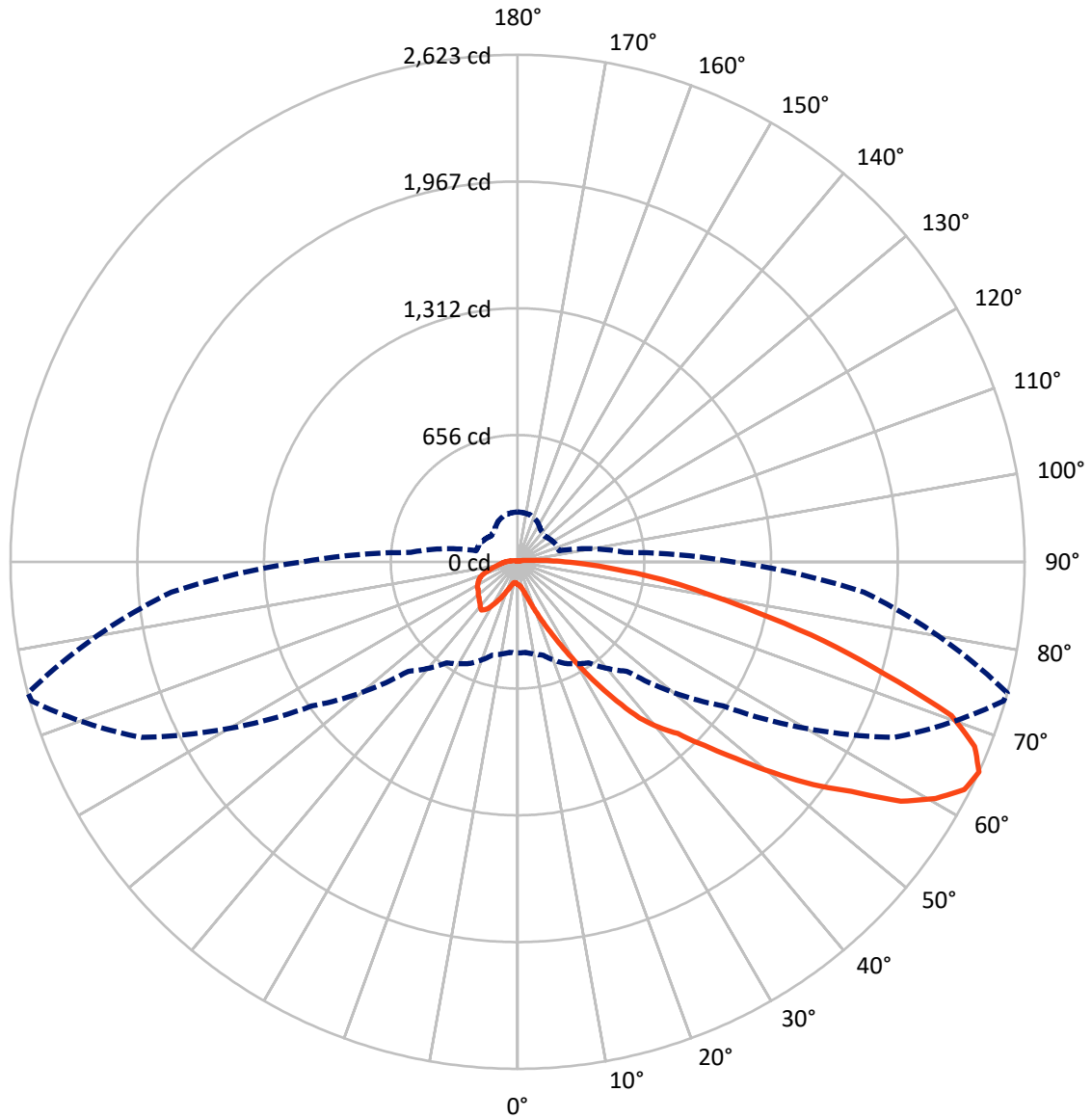
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type II - Short - N/A

REPORT NUMBER: P695221
CATALOG NUMBER: LXF.LXT-PA16-40-827-U-T2R-A

Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P695221
 CATALOG NUMBER: LXF.LXT-PA16-40-827-U-T2R-A

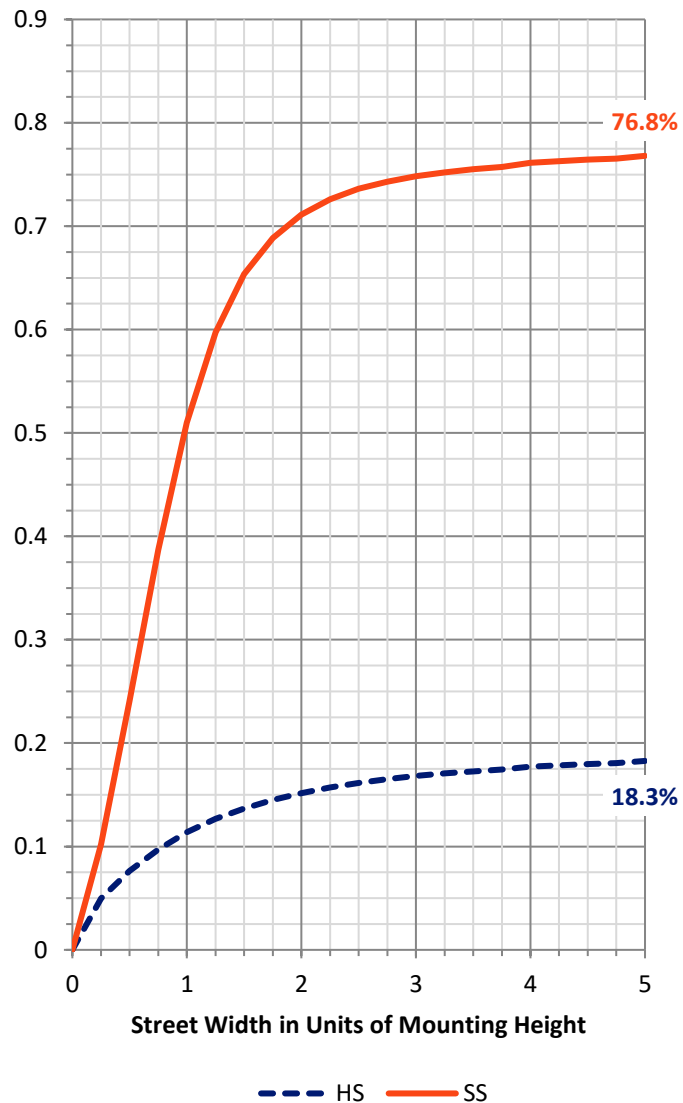
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	638.2	50.7	688.8
	% Fixture	19.1	1.5	20.7
Street Side	Lumens	2593.3	50.8	2644.2
	% Fixture	77.8	1.5	79.3
Total	Lumens	3231.5	101.5	3333.0
	% Fixture	97.0	3.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.8	0.4
10°-20°	50.8	1.5
20°-30°	158.8	4.8
30°-40°	377.6	11.3
40°-50°	584.6	17.5
50°-60°	729.4	21.9
60°-70°	713.8	21.4
70°-80°	434.1	13.0
80°-90°	170.5	5.1
90°-100°	53.2	1.6
100°-110°	21.3	0.6
110°-120°	11.8	0.4
120°-130°	7.7	0.2
130°-140°	5.2	0.2
140°-150°	2.3	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3231.5	97.0
0°-180°	3333.0	100.0

Coefficient of Utilization



REPORT NUMBER: P695221

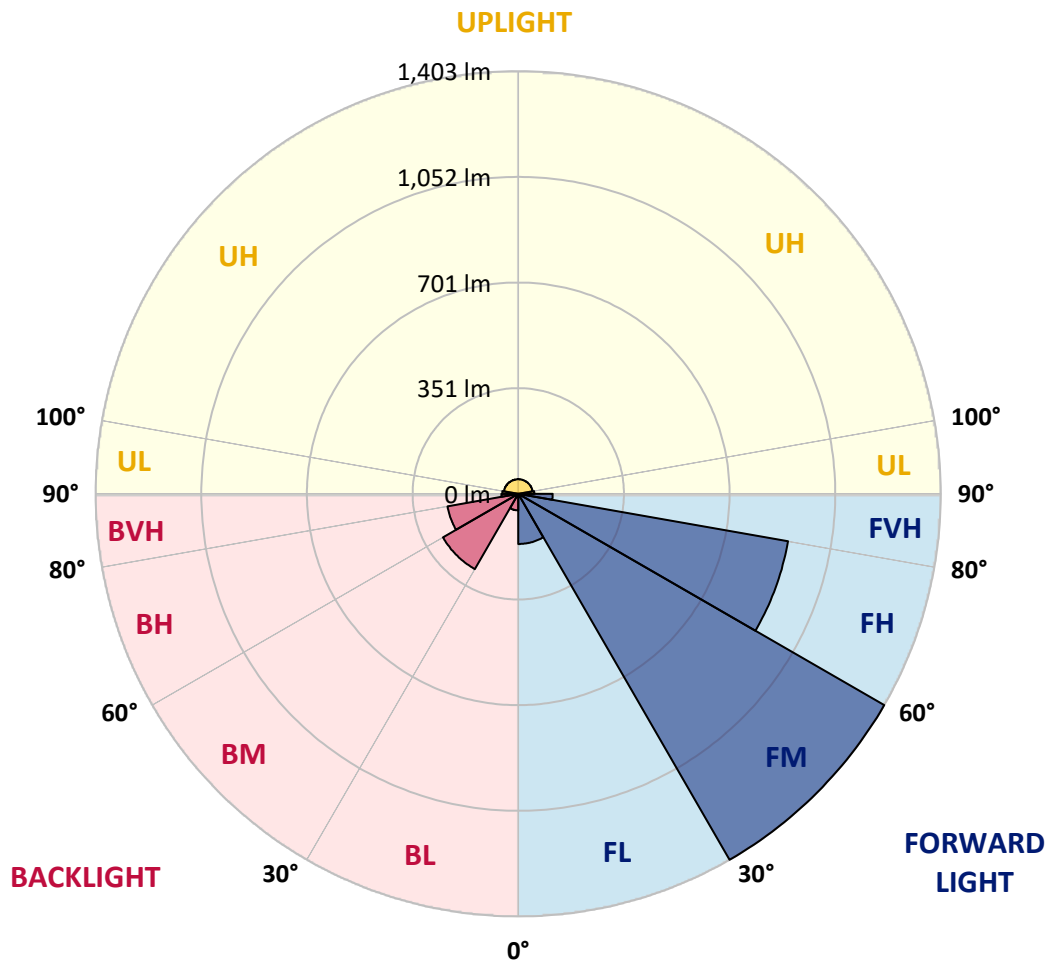
CATALOG NUMBER: LXF.LXT-PA16-40-827-U-T2R-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	166.6	5.0			
FM (30°-60°)	1403.0	42.1			
FH (60°-80°)	909.4	27.3			G1/1800
FVH (80°-90°)	114.4	3.4			G2/225
BL (0°-30°)	54.9	1.6	B0/110		
BM (30°-60°)	288.7	8.7	B1/1000		
BH (60°-80°)	238.4	7.2	B1/500		G1/500
BVH (80°-90°)	56.1	1.7			G1/100
UL (90°-100°)	53.2	1.6		U3/500	
UH (100°-180°)	48.4	1.5		U2/50	

BUG Rating: B1-U3-G2

Type II Short



REPORT NUMBER: P695221

CATALOG NUMBER: LXF.LXT-PA16-40-827-U-T2R-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	117.0	117.0	117.0	117.0	117.0	117.0	117.0	117.0	117.0	117.0	117.0
2.5°	129.4	130.6	129.4	128.1	126.9	125.7	123.2	122.0	119.5	119.5	117.0
5°	150.3	150.3	150.3	146.6	144.2	141.7	135.5	130.6	125.7	124.4	120.7
7.5°	176.2	173.7	172.5	168.8	163.9	158.9	150.3	141.7	134.3	133.1	125.7
10°	207.0	205.8	204.5	199.6	191.0	182.3	170.0	158.9	146.6	145.4	133.1
12.5°	248.9	247.6	242.7	236.6	224.2	210.7	195.9	182.3	166.3	165.1	147.9
15°	294.5	295.7	292.0	279.7	267.4	248.9	231.6	215.6	198.4	193.4	171.3
17.5°	363.5	362.2	353.6	332.7	317.9	298.2	276.0	255.0	234.1	230.4	202.1
20°	438.6	441.1	428.8	399.2	375.8	352.4	333.9	303.1	282.1	279.7	240.3
22.5°	534.7	540.9	515.0	485.4	446.0	418.9	400.4	370.9	341.3	341.3	290.8
25°	660.4	662.9	628.4	580.3	531.0	489.1	473.1	454.6	420.1	415.2	356.1
27.5°	789.8	797.2	756.5	693.7	619.7	569.2	559.4	549.5	507.6	506.4	423.8
30°	990.6	986.9	917.9	828.0	720.8	654.2	648.1	659.2	619.7	614.8	512.5
32.5°	1172.9	1166.8	1092.9	974.6	828.0	749.1	739.3	776.2	749.1	747.9	613.6
35°	1323.3	1314.6	1248.1	1115.0	943.8	836.6	842.7	904.4	890.8	884.6	706.0
37.5°	1393.5	1408.3	1351.6	1222.2	1043.6	926.5	954.9	1046.0	1033.7	1025.1	807.0
40°	1441.5	1461.3	1402.1	1280.1	1112.6	1006.6	1052.2	1163.1	1137.2	1126.1	850.1
42.5°	1458.8	1474.8	1435.4	1313.4	1154.5	1067.0	1127.4	1249.3	1233.3	1214.8	911.7
45°	1447.7	1467.4	1436.6	1328.2	1175.4	1103.9	1182.8	1359.0	1371.3	1356.5	999.2
47.5°	1404.6	1426.8	1415.7	1328.2	1181.6	1122.4	1249.3	1498.2	1526.6	1519.2	1095.3
50°	1288.8	1313.4	1333.1	1302.3	1175.4	1128.6	1323.3	1636.2	1720.0	1715.1	1228.4
52.5°	1195.1	1214.8	1222.2	1221.0	1152.0	1137.2	1393.5	1816.1	1922.1	1914.7	1347.9
55°	1069.5	1081.8	1117.5	1108.9	1074.4	1124.9	1446.5	1947.9	2104.4	2095.8	1484.7
57.5°	852.6	873.5	940.1	1010.3	978.3	1084.2	1469.9	2067.4	2348.4	2337.3	1642.4
60°	725.7	731.9	770.1	836.6	880.9	1002.9	1461.3	2190.7	2495.0	2485.1	1713.8
62.5°	591.4	595.1	643.1	699.8	762.7	913.0	1410.7	2198.0	2589.8	2594.8	1784.1
65°	471.9	470.7	499.0	580.3	638.2	800.9	1301.1	2148.8	2614.5	2623.1	1797.6
67.5°	359.8	370.9	407.8	449.7	528.6	671.5	1144.6	2019.4	2548.0	2550.4	1742.2
70°	247.6	252.6	287.1	353.6	412.7	556.9	972.1	1819.8	2380.4	2380.4	1584.5
72.5°	178.7	184.8	202.1	245.2	319.1	436.2	803.3	1562.3	2005.8	1986.1	1327.0
75°	133.1	134.3	150.3	176.2	225.5	340.1	624.7	1228.4	1628.8	1635.0	1090.4
77.5°	103.5	104.7	112.1	130.6	165.1	247.6	464.5	947.5	1269.0	1271.5	841.5
80°	86.2	87.5	91.2	101.0	123.2	177.4	341.3	713.4	980.7	982.0	655.5
82.5°	71.5	72.7	76.4	82.5	96.1	131.8	245.2	545.8	742.9	752.8	491.6
85°	60.4	61.6	64.1	69.0	78.9	102.3	177.4	391.8	523.6	519.9	340.1
87.5°	49.3	49.3	53.0	56.7	64.1	82.5	130.6	268.6	354.8	351.1	236.6
90°	37.0	38.2	40.7	45.6	53.0	65.3	94.9	176.2	220.5	220.5	150.3
92.5°	27.1	27.1	30.8	35.7	41.9	53.0	69.0	112.1	131.8	133.1	97.3
95°	19.7	19.7	22.2	24.6	32.0	41.9	50.5	69.0	81.3	78.9	66.5
97.5°	16.0	16.0	17.2	19.7	24.6	33.3	39.4	49.3	54.2	54.2	49.3
100°	13.6	13.6	14.8	14.8	19.7	27.1	32.0	35.7	39.4	40.7	39.4
102.5°	11.1	12.3	12.3	12.3	16.0	23.4	25.9	28.3	30.8	30.8	30.8
105°	9.9	9.9	11.1	11.1	13.6	19.7	22.2	23.4	24.6	24.6	24.6
107.5°	8.6	8.6	9.9	9.9	12.3	17.2	18.5	18.5	19.7	19.7	19.7
110°	8.6	8.6	8.6	8.6	11.1	14.8	14.8	14.8	14.8	14.8	16.0

REPORT NUMBER: P695221

CATALOG NUMBER: LXF.LXT-PA16-40-827-U-T2R-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
112.5°	7.4	7.4	8.6	8.6	9.9	13.6	13.6	12.3	12.3	12.3	14.8
115°	7.4	7.4	7.4	8.6	9.9	11.1	11.1	11.1	11.1	11.1	12.3
117.5°	7.4	7.4	7.4	8.6	8.6	11.1	9.9	9.9	9.9	9.9	11.1
120°	7.4	7.4	7.4	7.4	8.6	9.9	9.9	8.6	8.6	8.6	9.9
122.5°	7.4	7.4	7.4	7.4	8.6	8.6	8.6	7.4	7.4	7.4	9.9
125°	7.4	7.4	8.6	8.6	8.6	8.6	8.6	7.4	7.4	7.4	8.6
127.5°	8.6	8.6	8.6	8.6	7.4	8.6	7.4	7.4	7.4	7.4	8.6
130°	9.9	9.9	9.9	8.6	7.4	7.4	7.4	7.4	7.4	7.4	8.6
132.5°	9.9	9.9	9.9	8.6	7.4	7.4	6.2	6.2	7.4	7.4	7.4
135°	9.9	9.9	8.6	7.4	7.4	6.2	6.2	6.2	6.2	6.2	7.4
137.5°	8.6	8.6	8.6	7.4	6.2	6.2	4.9	4.9	6.2	6.2	6.2
140°	7.4	7.4	7.4	6.2	4.9	4.9	3.7	3.7	4.9	4.9	4.9
142.5°	6.2	6.2	6.2	4.9	4.9	3.7	3.7	3.7	3.7	3.7	4.9
145°	4.9	4.9	4.9	3.7	3.7	3.7	2.5	2.5	3.7	3.7	3.7
147.5°	3.7	3.7	3.7	3.7	2.5	2.5	2.5	2.5	2.5	2.5	2.5
150°	3.7	3.7	3.7	2.5	2.5	2.5	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: P695221
 CATALOG NUMBER: LXF.LXT-PA16-40-827-U-T2R-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	117.0	117.0	117.0	117.0	117.0	117.0	117.0	117.0	117.0	117.0	117.0
2.5°	117.0	115.8	113.4	112.1	109.7	108.4	107.2	106.0	107.2	106.0	106.0
5°	118.3	115.8	110.9	106.0	102.3	99.8	97.3	94.9	94.9	93.6	92.4
7.5°	120.7	117.0	108.4	102.3	94.9	89.9	86.2	83.8	82.5	81.3	81.3
10°	126.9	120.7	109.7	98.6	89.9	82.5	77.6	75.2	72.7	72.7	72.7
12.5°	139.2	131.8	114.6	98.6	86.2	77.6	71.5	69.0	69.0	69.0	69.0
15°	160.2	147.9	125.7	104.7	87.5	75.2	71.5	72.7	75.2	77.6	76.4
17.5°	186.0	171.3	140.5	113.4	92.4	81.3	78.9	82.5	86.2	88.7	89.9
20°	218.1	195.9	156.5	122.0	101.0	93.6	91.2	94.9	99.8	103.5	103.5
22.5°	260.0	230.4	177.4	134.3	113.4	106.0	103.5	107.2	113.4	117.0	117.0
25°	313.0	272.3	203.3	150.3	126.9	115.8	115.8	120.7	129.4	134.3	135.5
27.5°	372.1	316.6	226.7	170.0	141.7	126.9	128.1	138.0	147.9	155.2	155.2
30°	436.2	369.6	253.8	187.3	152.8	138.0	139.2	151.5	165.1	175.0	173.7
32.5°	512.5	425.1	282.1	204.5	163.9	146.6	150.3	168.8	184.8	197.1	195.9
35°	590.2	473.1	300.6	220.5	173.7	154.0	160.2	183.6	202.1	213.2	213.2
37.5°	650.5	512.5	311.7	229.2	182.3	160.2	167.6	193.4	213.2	223.0	221.8
40°	671.5	512.5	303.1	230.4	186.0	165.1	173.7	198.4	215.6	221.8	218.1
42.5°	703.5	522.4	290.8	223.0	187.3	168.8	176.2	198.4	209.5	210.7	208.2
45°	749.1	538.4	282.1	218.1	184.8	170.0	176.2	194.7	208.2	211.9	209.5
47.5°	807.0	554.4	272.3	215.6	184.8	170.0	176.2	198.4	211.9	211.9	209.5
50°	880.9	580.3	267.4	216.8	188.5	171.3	179.9	203.3	215.6	213.2	211.9
52.5°	937.6	586.5	258.7	220.5	192.2	173.7	183.6	208.2	219.3	214.4	213.2
55°	1011.5	601.3	248.9	220.5	198.4	179.9	188.5	213.2	221.8	215.6	214.4
57.5°	1087.9	617.3	247.6	219.3	200.8	184.8	193.4	216.8	224.2	219.3	218.1
60°	1108.9	598.8	240.3	223.0	202.1	189.7	197.1	220.5	231.6	229.2	229.2
62.5°	1126.1	584.0	231.6	221.8	205.8	189.7	200.8	226.7	244.0	244.0	244.0
65°	1113.8	555.7	221.8	216.8	204.5	191.0	205.8	234.1	251.3	256.3	257.5
67.5°	1062.1	516.2	211.9	209.5	198.4	191.0	207.0	234.1	255.0	262.4	262.4
70°	951.2	450.9	194.7	194.7	189.7	183.6	203.3	230.4	247.6	256.3	256.3
72.5°	797.2	373.3	168.8	175.0	173.7	172.5	193.4	218.1	229.2	236.6	235.3
75°	634.5	300.6	146.6	149.1	151.5	155.2	177.4	197.1	200.8	207.0	205.8
77.5°	497.8	240.3	124.4	126.9	129.4	138.0	158.9	171.3	173.7	177.4	176.2
80°	389.3	197.1	107.2	107.2	110.9	119.5	136.8	147.9	152.8	155.2	151.5
82.5°	303.1	161.4	94.9	91.2	94.9	102.3	115.8	125.7	129.4	129.4	128.1
85°	215.6	129.4	83.8	78.9	80.1	87.5	99.8	106.0	108.4	107.2	104.7
87.5°	157.7	106.0	73.9	66.5	67.8	77.6	86.2	89.9	91.2	92.4	89.9
90°	110.9	85.0	64.1	55.4	55.4	65.3	73.9	75.2	76.4	76.4	75.2
92.5°	78.9	66.5	53.0	45.6	45.6	54.2	60.4	59.1	60.4	59.1	56.7
95°	57.9	51.7	44.4	37.0	35.7	41.9	44.4	43.1	44.4	43.1	43.1
97.5°	45.6	41.9	37.0	30.8	28.3	32.0	33.3	33.3	35.7	33.3	33.3
100°	37.0	34.5	32.0	25.9	23.4	25.9	27.1	28.3	29.6	28.3	28.3
102.5°	30.8	29.6	27.1	23.4	20.9	22.2	23.4	24.6	25.9	25.9	24.6
105°	24.6	24.6	23.4	19.7	18.5	18.5	19.7	20.9	23.4	23.4	23.4
107.5°	19.7	20.9	19.7	17.2	16.0	16.0	17.2	18.5	19.7	20.9	20.9
110°	17.2	17.2	17.2	14.8	14.8	14.8	14.8	16.0	18.5	19.7	19.7

REPORT NUMBER: P695221
 CATALOG NUMBER: LXF.LXT-PA16-40-827-U-T2R-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	14.8	14.8	14.8	13.6	13.6	13.6	13.6	13.6	16.0	17.2	18.5
115°	13.6	13.6	13.6	12.3	12.3	12.3	12.3	12.3	14.8	16.0	16.0
117.5°	12.3	12.3	12.3	11.1	11.1	11.1	11.1	11.1	12.3	14.8	14.8
120°	11.1	11.1	11.1	9.9	9.9	9.9	9.9	9.9	11.1	13.6	13.6
122.5°	9.9	9.9	9.9	9.9	8.6	8.6	8.6	8.6	9.9	12.3	12.3
125°	8.6	9.9	8.6	8.6	8.6	8.6	7.4	8.6	9.9	11.1	11.1
127.5°	8.6	8.6	8.6	8.6	7.4	7.4	7.4	7.4	8.6	9.9	9.9
130°	8.6	8.6	8.6	7.4	7.4	6.2	6.2	7.4	7.4	8.6	8.6
132.5°	7.4	7.4	7.4	7.4	6.2	6.2	6.2	6.2	7.4	7.4	7.4
135°	7.4	7.4	6.2	6.2	6.2	4.9	4.9	4.9	6.2	7.4	7.4
137.5°	6.2	6.2	6.2	6.2	4.9	4.9	4.9	4.9	6.2	6.2	6.2
140°	4.9	4.9	4.9	4.9	4.9	3.7	3.7	3.7	4.9	4.9	4.9
142.5°	4.9	4.9	4.9	3.7	3.7	3.7	3.7	3.7	4.9	4.9	4.9
145°	3.7	3.7	3.7	3.7	2.5	2.5	2.5	3.7	3.7	3.7	3.7
147.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3.7	3.7	3.7
150°	2.5	2.5	2.5	2.5	1.2	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

(END OF REPORT)