

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: P695143

Luminaire Tested: **LXF.LXT-PA16-40-740-U-T3-FL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695143  
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-PA16-40-740-U-T3-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 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: 4415 lumens  
Efficiency: N/A  
Efficacy: 109.8 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 - G3

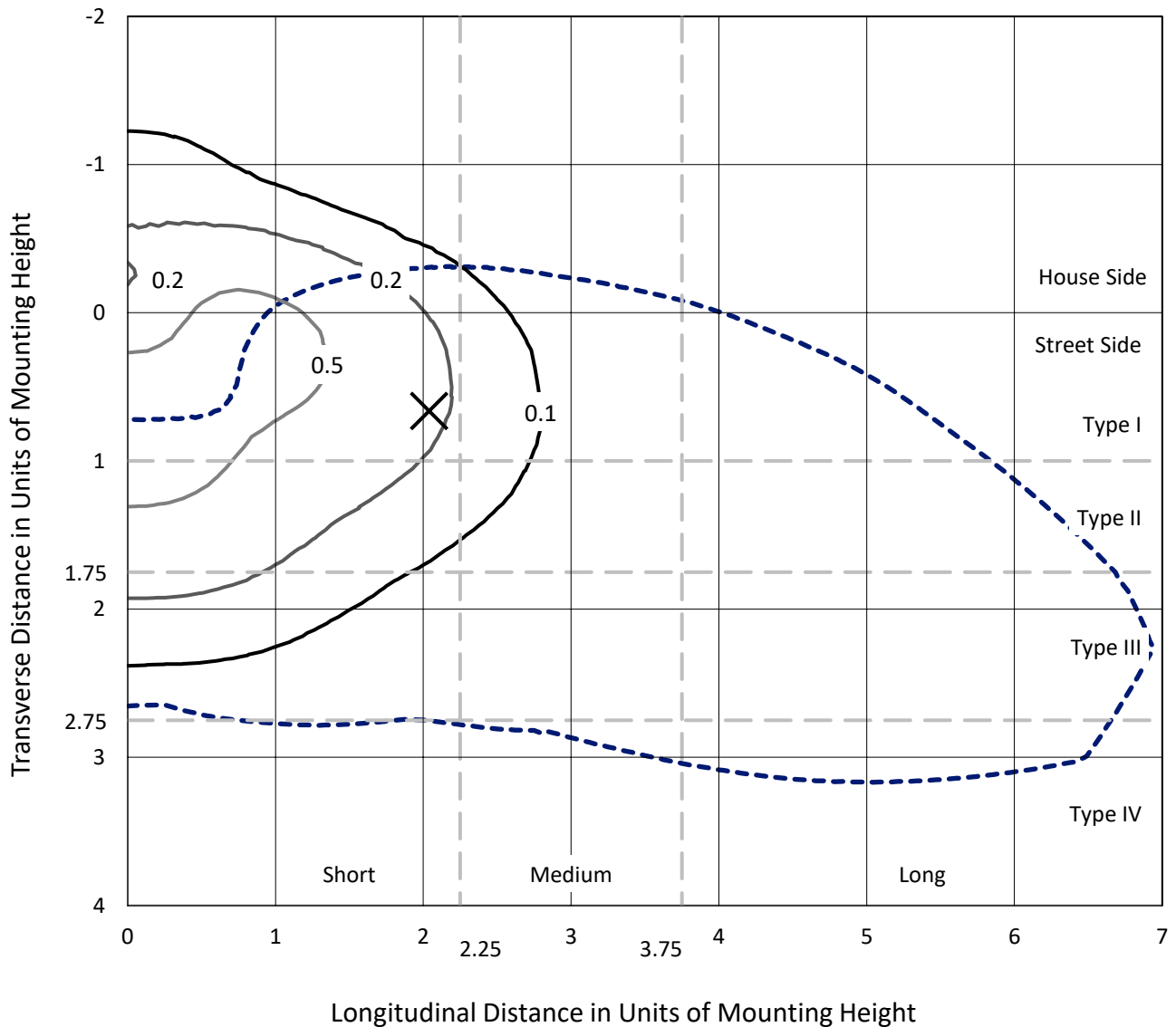
Input Watts (W): 40.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P695143  
 CATALOG NUMBER: LXF.LXT-PA16-40-740-U-T3-FL

### Iso-Footcandle Lines of Horizontal Illumination

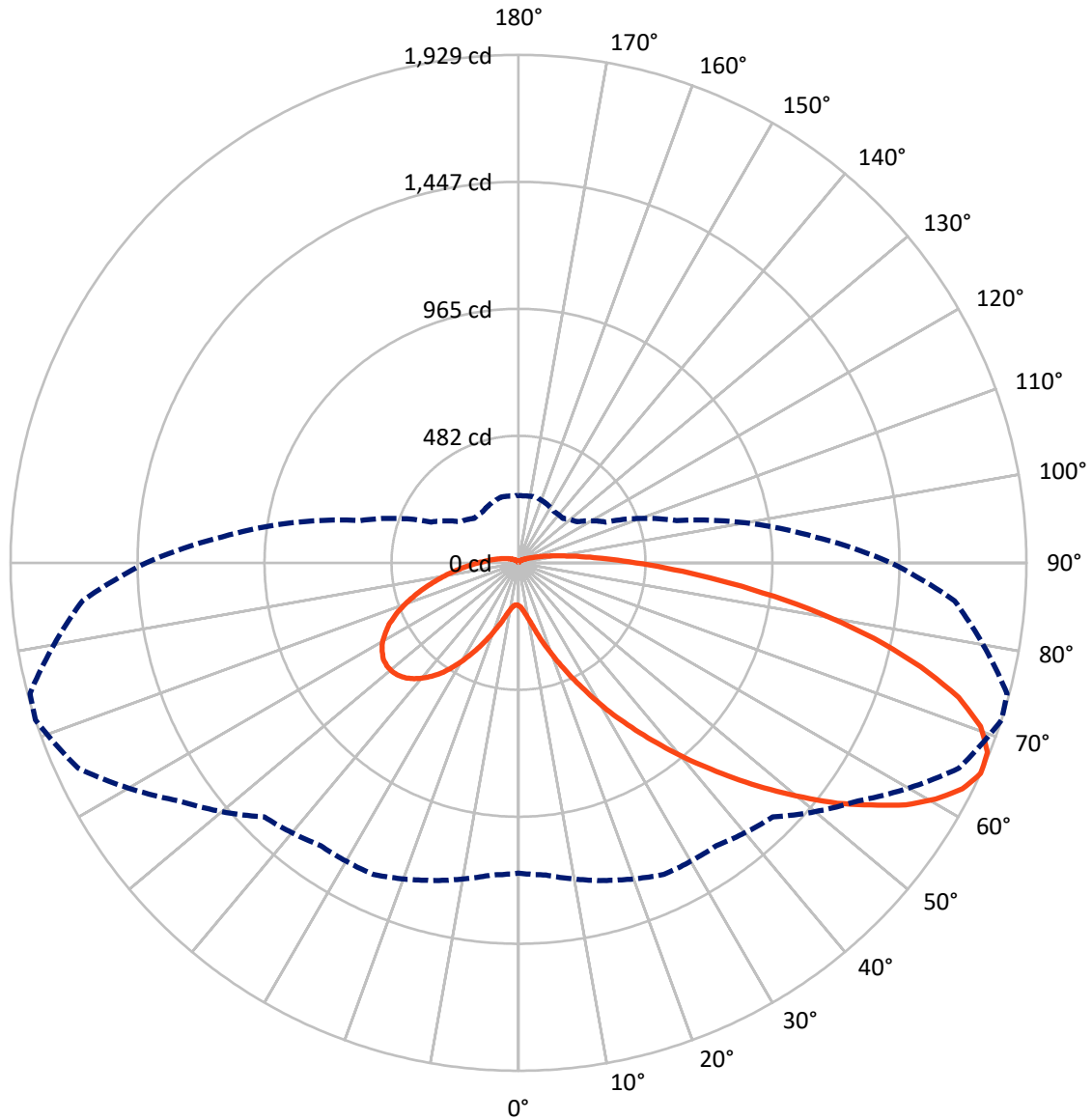
✕ Max cd  
 - - - 1/2 Max cd



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

REPORT NUMBER: P695143  
CATALOG NUMBER: LXF.LXT-PA16-40-740-U-T3-FL

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P695143  
 CATALOG NUMBER: LXF.LXT-PA16-40-740-U-T3-FL

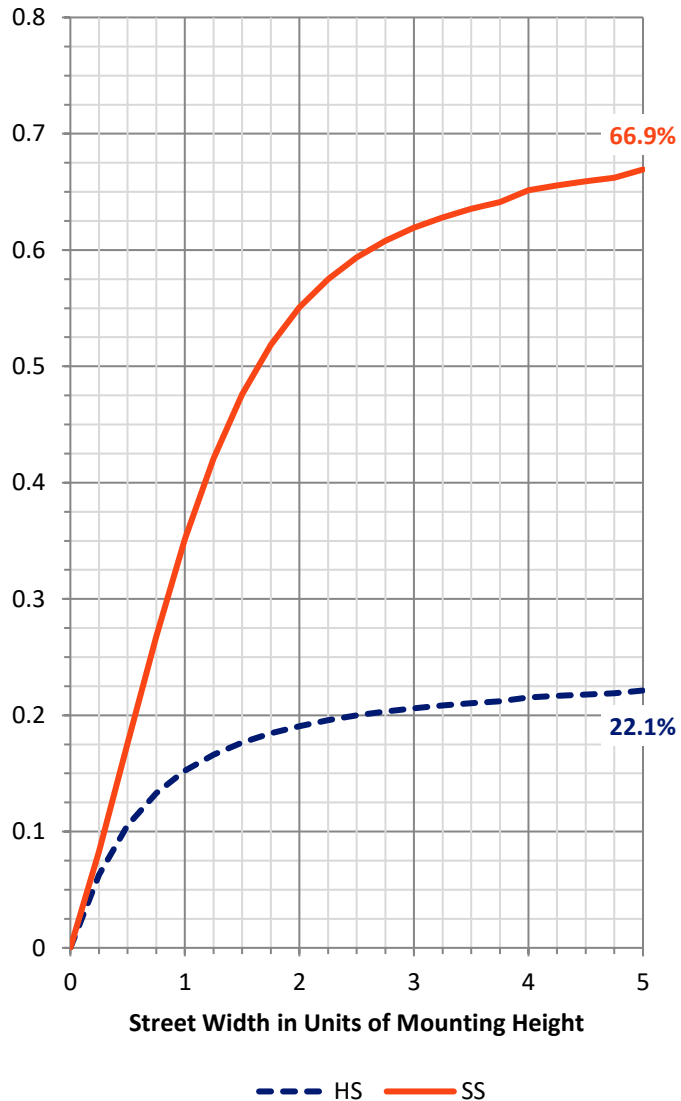
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1031.7	130.5	1162.2
	% Fixture	23.4	3.0	26.3
<b>Street Side</b>	Lumens	3068.1	184.7	3252.8
	% Fixture	69.5	4.2	73.7
<b>Total</b>	Lumens	4099.8	315.2	4415.0
	% Fixture	92.9	7.1	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	17.1	0.4
10°-20°	71.8	1.6
20°-30°	184.9	4.2
30°-40°	367.8	8.3
40°-50°	598.8	13.6
50°-60°	829.0	18.8
60°-70°	926.1	21.0
70°-80°	725.1	16.4
80°-90°	379.2	8.6
90°-100°	165.0	3.7
100°-110°	76.0	1.7
110°-120°	38.7	0.9
120°-130°	20.8	0.5
130°-140°	10.4	0.2
140°-150°	4.0	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4099.8	92.9
0°-180°	4415.0	100.0

**Coefficient of Utilization**



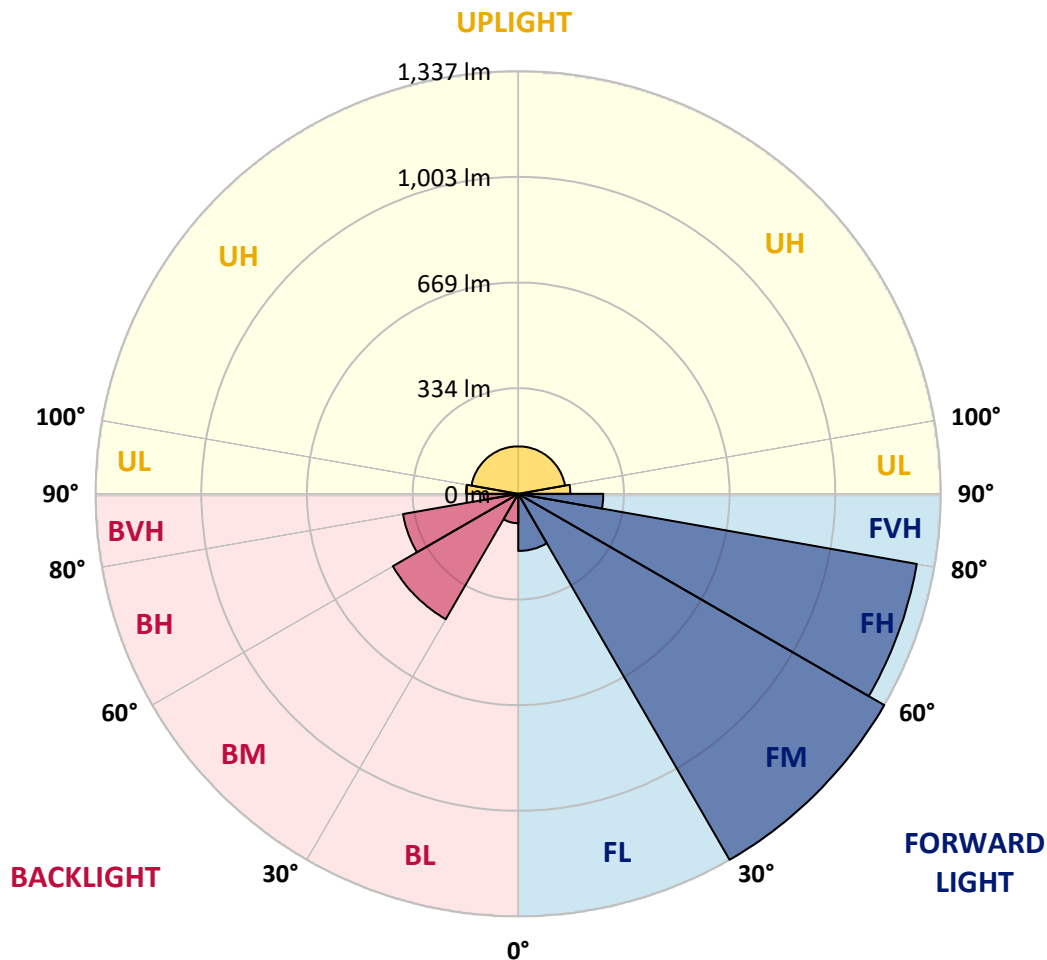
REPORT NUMBER: P695143  
 CATALOG NUMBER: LXF.LXT-PA16-40-740-U-T3-FL

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	180.8	4.1			
FM (30°-60°)	1337.4	30.3			
FH (60°-80°)	1280.8	29.0			G1/1800
FVH (80°-90°)	269.1	6.1			G3/500
BL (0°-30°)	93.0	2.1	B0/110		
BM (30°-60°)	458.3	10.4	B1/1000		
BH (60°-80°)	370.3	8.4	B1/500		G1/500
BVH (80°-90°)	110.1	2.5			G2/225
UL (90°-100°)	165.0	3.7		U3/500	
UH (100°-180°)	150.2	3.4		U3/500	

**BUG Rating: B1-U3-G3**

Type III Short



REPORT NUMBER: P695143  
 CATALOG NUMBER: LXF.LXT-PA16-40-740-U-T3-FL

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	163.5	163.5	163.5	163.5	163.5	163.5	163.5	163.5	163.5	163.5	163.5
2.5°	176.6	178.2	178.2	176.6	176.6	174.9	173.3	170.0	168.4	168.4	165.1
5°	199.4	201.1	199.4	197.8	196.2	191.3	189.6	184.7	181.5	179.8	173.3
7.5°	228.9	228.9	227.2	224.0	220.7	217.4	209.3	202.7	197.8	194.5	186.4
10°	259.9	259.9	258.3	256.7	251.8	243.6	235.4	227.2	219.1	217.4	206.0
12.5°	302.4	299.2	295.9	291.0	286.1	277.9	266.5	256.7	248.5	246.9	233.8
15°	344.9	346.6	340.0	331.9	325.3	315.5	305.7	297.5	287.7	284.5	266.5
17.5°	394.0	395.6	390.7	384.2	372.7	362.9	349.8	338.4	331.9	325.3	304.1
20°	454.5	454.5	449.6	436.5	425.0	413.6	402.2	389.1	377.6	372.7	349.8
22.5°	518.2	516.6	510.1	493.7	479.0	464.3	454.5	441.4	433.2	426.7	400.5
25°	595.1	590.2	580.4	560.7	541.1	523.1	508.4	503.5	492.1	485.5	461.0
27.5°	670.3	673.5	657.2	631.0	603.2	585.3	572.2	565.6	557.5	554.2	523.1
30°	763.5	756.9	738.9	706.2	667.0	642.5	635.9	634.3	634.3	627.8	595.1
32.5°	850.1	843.6	823.9	784.7	737.3	706.2	701.3	706.2	709.5	707.9	667.0
35°	938.4	931.8	908.9	866.4	802.7	766.7	766.7	786.3	791.2	788.0	747.1
37.5°	1021.7	1018.5	995.6	938.4	877.9	833.7	840.3	871.3	879.5	877.9	825.6
40°	1101.9	1101.9	1079.0	1016.8	943.3	899.1	910.6	958.0	974.3	972.7	915.5
42.5°	1183.6	1180.3	1159.1	1098.6	1013.6	964.5	985.8	1044.6	1070.8	1074.1	1005.4
45°	1253.9	1250.6	1234.3	1167.2	1082.2	1031.6	1062.6	1142.7	1177.1	1175.4	1093.7
47.5°	1314.4	1312.7	1301.3	1239.2	1149.3	1101.9	1146.0	1244.1	1286.6	1286.6	1193.4
50°	1363.4	1365.1	1356.9	1306.2	1211.4	1168.9	1229.4	1347.1	1399.4	1399.4	1288.2
52.5°	1394.5	1397.8	1401.0	1353.6	1270.2	1231.0	1309.5	1455.0	1517.1	1515.5	1384.7
55°	1404.3	1407.6	1423.9	1394.5	1317.6	1288.2	1389.6	1559.6	1623.4	1618.5	1473.0
57.5°	1387.9	1394.5	1422.3	1412.5	1350.3	1334.0	1456.6	1649.5	1734.5	1729.6	1554.7
60°	1347.1	1355.2	1394.5	1405.9	1363.4	1365.1	1518.7	1739.4	1821.2	1817.9	1618.5
62.5°	1275.1	1288.2	1338.9	1370.0	1352.0	1378.1	1559.6	1808.1	1891.5	1886.6	1656.1
65°	1178.7	1190.1	1249.0	1306.2	1311.1	1365.1	1575.9	1845.7	1929.1	1920.9	1662.6
67.5°	1064.3	1059.3	1134.6	1208.1	1237.5	1317.6	1554.7	1840.8	1920.9	1906.2	1621.7
70°	923.7	923.7	1000.5	1074.1	1136.2	1244.1	1495.8	1788.5	1862.0	1840.8	1543.3
72.5°	758.5	776.5	843.6	930.2	1007.0	1137.8	1404.3	1685.5	1747.6	1723.1	1410.8
75°	621.2	635.9	694.8	781.4	869.7	1015.2	1268.6	1536.7	1577.6	1553.1	1249.0
77.5°	498.6	505.2	568.9	642.5	734.0	866.4	1106.8	1350.3	1379.8	1353.6	1065.9
80°	384.2	400.5	444.7	515.0	603.2	732.4	938.4	1132.9	1160.7	1131.3	871.3
82.5°	302.4	307.3	348.2	415.2	490.4	600.0	771.6	920.4	933.5	899.1	703.0
85°	233.8	237.0	271.4	328.6	394.0	482.3	616.3	724.2	727.5	707.9	549.3
87.5°	178.2	184.7	215.8	261.6	317.2	394.0	485.5	560.7	555.8	541.1	428.3
90°	140.6	143.9	166.7	207.6	253.4	310.6	379.3	428.3	418.5	412.0	323.7
92.5°	111.2	112.8	137.3	168.4	206.0	251.8	297.5	330.2	317.2	312.2	246.9
95°	88.3	91.5	109.5	137.3	168.4	202.7	233.8	250.1	242.0	233.8	191.3
97.5°	71.9	73.6	89.9	112.8	139.0	165.1	186.4	192.9	184.7	181.5	148.8
100°	60.5	60.5	75.2	94.8	114.4	135.7	148.8	152.0	145.5	137.3	114.4
102.5°	50.7	50.7	62.1	80.1	98.1	112.8	121.0	121.0	112.8	107.9	91.5
105°	42.5	44.1	52.3	68.7	83.4	94.8	101.4	96.5	89.9	86.6	73.6
107.5°	37.6	37.6	45.8	58.9	71.9	80.1	83.4	78.5	71.9	67.0	58.9
110°	34.3	34.3	39.2	50.7	62.1	70.3	70.3	65.4	57.2	53.9	49.0

REPORT NUMBER: P695143  
 CATALOG NUMBER: LXF.LXT-PA16-40-740-U-T3-FL

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	29.4	31.1	34.3	44.1	53.9	60.5	60.5	53.9	47.4	44.1	40.9
115°	27.8	27.8	31.1	39.2	47.4	52.3	52.3	45.8	39.2	37.6	34.3
117.5°	24.5	24.5	27.8	34.3	40.9	45.8	44.1	39.2	32.7	31.1	29.4
120°	22.9	22.9	24.5	29.4	36.0	39.2	37.6	32.7	27.8	26.2	26.2
122.5°	21.3	21.3	22.9	26.2	32.7	34.3	32.7	27.8	24.5	22.9	24.5
125°	19.6	19.6	21.3	24.5	27.8	29.4	27.8	22.9	21.3	21.3	21.3
127.5°	19.6	19.6	19.6	21.3	24.5	26.2	24.5	19.6	18.0	18.0	19.6
130°	18.0	18.0	18.0	19.6	21.3	22.9	19.6	16.3	16.3	16.3	16.3
132.5°	16.3	16.3	16.3	16.3	18.0	18.0	16.3	14.7	14.7	14.7	14.7
135°	14.7	14.7	14.7	14.7	14.7	14.7	13.1	11.4	13.1	13.1	13.1
137.5°	13.1	13.1	13.1	13.1	13.1	11.4	11.4	9.8	11.4	11.4	11.4
140°	11.4	11.4	11.4	11.4	9.8	9.8	8.2	8.2	8.2	9.8	9.8
142.5°	9.8	9.8	9.8	9.8	8.2	6.5	6.5	6.5	8.2	8.2	8.2
145°	8.2	8.2	8.2	6.5	6.5	4.9	4.9	4.9	6.5	6.5	6.5
147.5°	6.5	6.5	6.5	4.9	4.9	3.3	3.3	3.3	4.9	4.9	4.9
150°	4.9	4.9	4.9	3.3	3.3	1.6	1.6	3.3	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



REPORT NUMBER: P695143  
 CATALOG NUMBER: LXF.LXT-PA16-40-740-U-T3-FL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	163.5	163.5	163.5	163.5	163.5	163.5	163.5	163.5	163.5	163.5	163.5
2.5°	163.5	163.5	160.2	158.6	156.9	155.3	153.7	152.0	152.0	152.0	152.0
5°	171.7	166.7	161.8	156.9	152.0	148.8	143.9	142.2	140.6	139.0	139.0
7.5°	181.5	178.2	168.4	160.2	152.0	145.5	140.6	135.7	132.4	130.8	130.8
10°	199.4	192.9	181.5	168.4	156.9	147.1	139.0	132.4	129.1	127.5	127.5
12.5°	225.6	215.8	199.4	181.5	165.1	152.0	142.2	134.1	129.1	129.1	127.5
15°	256.7	245.2	224.0	201.1	178.2	160.2	148.8	142.2	137.3	135.7	135.7
17.5°	292.6	281.2	253.4	222.3	197.8	174.9	160.2	152.0	147.1	143.9	143.9
20°	336.8	320.4	284.5	248.5	215.8	194.5	173.3	163.5	156.9	153.7	152.0
22.5°	384.2	366.2	322.1	276.3	238.7	210.9	188.0	173.3	165.1	163.5	161.8
25°	441.4	415.2	361.3	305.7	261.6	227.2	201.1	183.1	176.6	173.3	173.3
27.5°	501.9	470.8	403.8	336.8	282.8	240.3	210.9	192.9	186.4	184.7	183.1
30°	565.6	529.7	447.9	371.1	302.4	253.4	222.3	204.3	196.2	194.5	194.5
32.5°	635.9	593.4	492.1	397.3	317.2	261.6	228.9	212.5	204.3	204.3	204.3
35°	704.6	655.6	537.8	425.0	330.2	268.1	235.4	220.7	212.5	214.2	214.2
37.5°	778.2	724.2	577.1	444.7	340.0	273.0	238.7	227.2	222.3	222.3	222.3
40°	858.3	781.4	613.0	459.4	343.3	274.6	242.0	232.1	228.9	228.9	230.5
42.5°	935.1	848.5	644.1	470.8	344.9	274.6	243.6	237.0	235.4	235.4	235.4
45°	1011.9	907.3	671.9	474.1	343.3	273.0	245.2	240.3	240.3	240.3	240.3
47.5°	1095.3	966.2	691.5	472.5	338.4	269.7	245.2	242.0	245.2	243.6	243.6
50°	1168.9	1021.7	704.6	467.6	331.9	266.5	243.6	245.2	248.5	246.9	246.9
52.5°	1245.7	1070.8	711.1	456.1	322.1	261.6	243.6	246.9	250.1	248.5	248.5
55°	1314.4	1113.3	711.1	443.0	313.9	258.3	243.6	248.5	253.4	251.8	251.8
57.5°	1370.0	1142.7	699.7	425.0	302.4	253.4	242.0	248.5	255.0	253.4	253.4
60°	1412.5	1159.1	683.3	407.1	292.6	248.5	240.3	248.5	256.7	253.4	255.0
62.5°	1430.4	1157.4	653.9	385.8	282.8	243.6	238.7	248.5	256.7	255.0	255.0
65°	1414.1	1129.6	621.2	366.2	271.4	238.7	237.0	248.5	258.3	255.0	255.0
67.5°	1366.7	1075.7	578.7	341.7	259.9	233.8	233.8	246.9	256.7	253.4	253.4
70°	1280.0	997.2	529.7	320.4	248.5	227.2	228.9	242.0	251.8	251.8	250.1
72.5°	1164.0	895.9	475.7	295.9	237.0	219.1	222.3	237.0	245.2	245.2	243.6
75°	1028.3	778.2	421.8	273.0	224.0	210.9	214.2	227.2	237.0	235.4	233.8
77.5°	866.4	658.8	369.5	248.5	209.3	199.4	204.3	217.4	225.6	222.3	220.7
80°	717.7	554.2	322.1	224.0	194.5	188.0	192.9	202.7	209.3	207.6	206.0
82.5°	573.8	447.9	273.0	201.1	179.8	174.9	179.8	188.0	192.9	191.3	188.0
85°	446.3	362.9	233.8	178.2	163.5	160.2	165.1	171.7	174.9	171.7	170.0
87.5°	351.5	284.5	194.5	156.9	147.1	145.5	148.8	155.3	158.6	155.3	150.4
90°	274.6	228.9	165.1	139.0	132.4	132.4	134.1	139.0	139.0	135.7	134.1
92.5°	214.2	183.1	139.0	121.0	117.7	117.7	121.0	122.6	122.6	117.7	116.1
95°	168.4	147.1	117.7	106.3	104.6	104.6	107.9	107.9	106.3	101.4	99.7
97.5°	132.4	119.3	101.4	93.2	91.5	93.2	94.8	94.8	91.5	86.6	85.0
100°	106.3	98.1	85.0	81.7	81.7	83.4	83.4	81.7	78.5	73.6	73.6
102.5°	86.6	80.1	73.6	71.9	71.9	73.6	73.6	71.9	68.7	62.1	62.1
105°	70.3	65.4	62.1	62.1	63.8	63.8	63.8	62.1	57.2	52.3	52.3
107.5°	57.2	55.6	53.9	53.9	55.6	57.2	57.2	53.9	49.0	45.8	45.8
110°	47.4	47.4	47.4	47.4	49.0	50.7	50.7	47.4	42.5	39.2	39.2

REPORT NUMBER: P695143  
 CATALOG NUMBER: LXF.LXT-PA16-40-740-U-T3-FL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	40.9	39.2	40.9	42.5	44.1	45.8	44.1	40.9	36.0	34.3	34.3
115°	34.3	34.3	36.0	37.6	39.2	39.2	39.2	36.0	31.1	29.4	29.4
117.5°	31.1	31.1	31.1	32.7	34.3	36.0	34.3	31.1	26.2	26.2	26.2
120°	26.2	26.2	27.8	29.4	31.1	31.1	29.4	26.2	22.9	22.9	22.9
122.5°	24.5	24.5	24.5	26.2	27.8	27.8	26.2	22.9	19.6	21.3	21.3
125°	21.3	21.3	21.3	22.9	24.5	24.5	22.9	19.6	18.0	18.0	18.0
127.5°	19.6	19.6	19.6	19.6	21.3	21.3	19.6	18.0	16.3	16.3	16.3
130°	18.0	18.0	18.0	18.0	18.0	18.0	16.3	14.7	14.7	14.7	14.7
132.5°	14.7	14.7	14.7	14.7	16.3	16.3	14.7	13.1	13.1	13.1	13.1
135°	13.1	13.1	13.1	13.1	13.1	13.1	11.4	11.4	11.4	11.4	11.4
137.5°	11.4	11.4	11.4	11.4	11.4	11.4	9.8	9.8	9.8	9.8	9.8
140°	9.8	9.8	9.8	9.8	9.8	8.2	8.2	8.2	8.2	9.8	9.8
142.5°	8.2	8.2	8.2	8.2	6.5	6.5	6.5	6.5	8.2	8.2	8.2
145°	6.5	6.5	6.5	6.5	4.9	4.9	4.9	6.5	6.5	6.5	6.5
147.5°	4.9	4.9	4.9	4.9	3.3	3.3	3.3	4.9	4.9	6.5	6.5
150°	3.3	3.3	3.3	3.3	1.6	1.6	3.3	3.3	4.9	4.9	4.9
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)