

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: P694639

Luminaire Tested: **LXF.LXT-PA16-20-750-U-T4W-TL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P694639  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-20-750-U-T4W-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS  
AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2766.1 lumens  
Efficiency: N/A  
Efficacy: 126.9 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U3 - G2

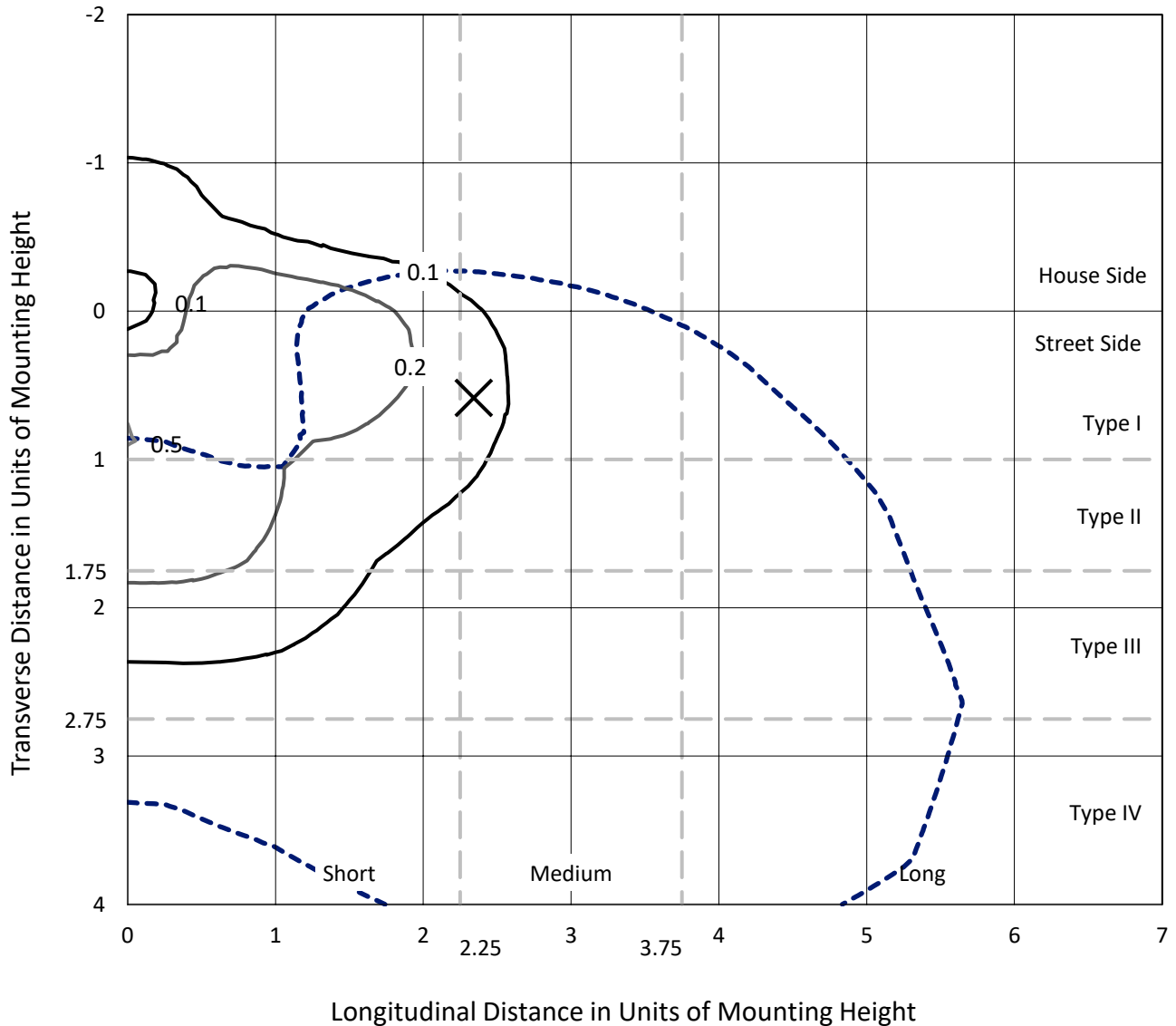
Input Watts (W): 21.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P694639  
 CATALOG NUMBER: LXF.LXT-PA16-20-750-U-T4W-TL

### Iso-Footcandle Lines of Horizontal Illumination

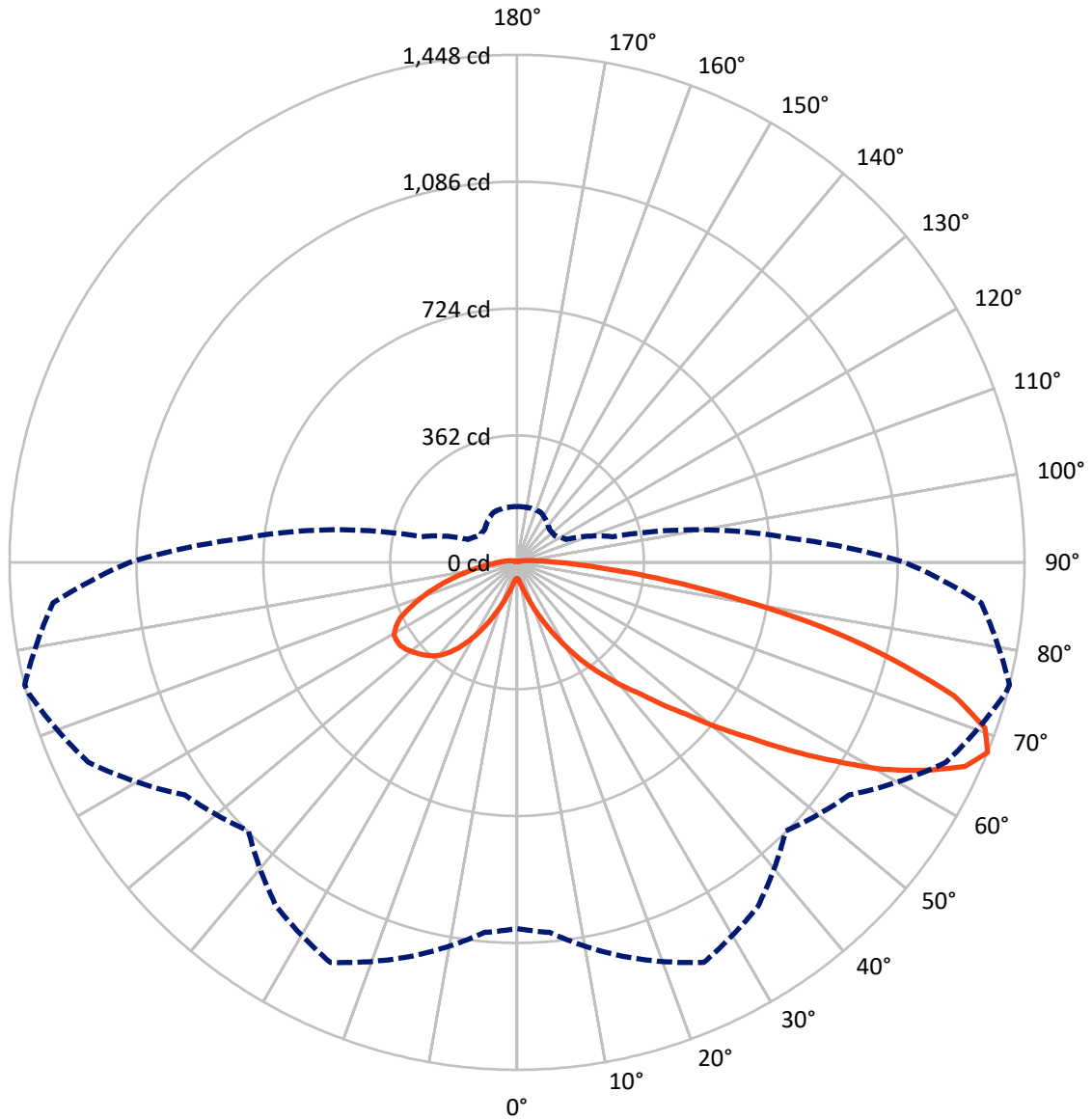
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 fc  
 Type IV - Medium - N/A

REPORT NUMBER: P694639  
CATALOG NUMBER: LXF.LXT-PA16-20-750-U-T4W-TL

### Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P694639  
 CATALOG NUMBER: LXF.LXT-PA16-20-750-U-T4W-TL

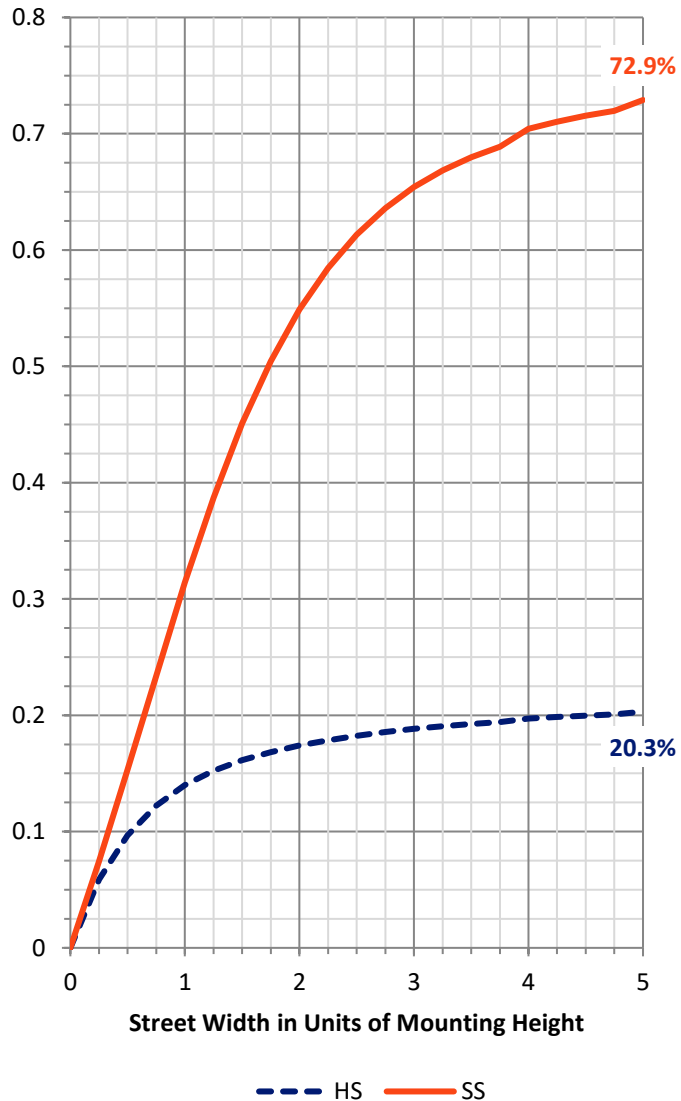
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	592.4	47.8	640.2
	% Fixture	21.4	1.7	23.1
<b>Street Side</b>	Lumens	2077.6	48.3	2125.9
	% Fixture	75.1	1.7	76.9
<b>Total</b>	Lumens	2670.0	96.1	2766.1
	% Fixture	96.5	3.5	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	5.2	0.2
10°-20°	27.3	1.0
20°-30°	86.3	3.1
30°-40°	192.4	7.0
40°-50°	330.2	11.9
50°-60°	515.1	18.6
60°-70°	705.3	25.5
70°-80°	591.1	21.4
80°-90°	216.9	7.8
90°-100°	54.6	2.0
100°-110°	20.8	0.8
110°-120°	9.9	0.4
120°-130°	5.6	0.2
130°-140°	3.3	0.1
140°-150°	1.7	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2670.0	96.5
0°-180°	2766.1	100.0

**Coefficient of Utilization**

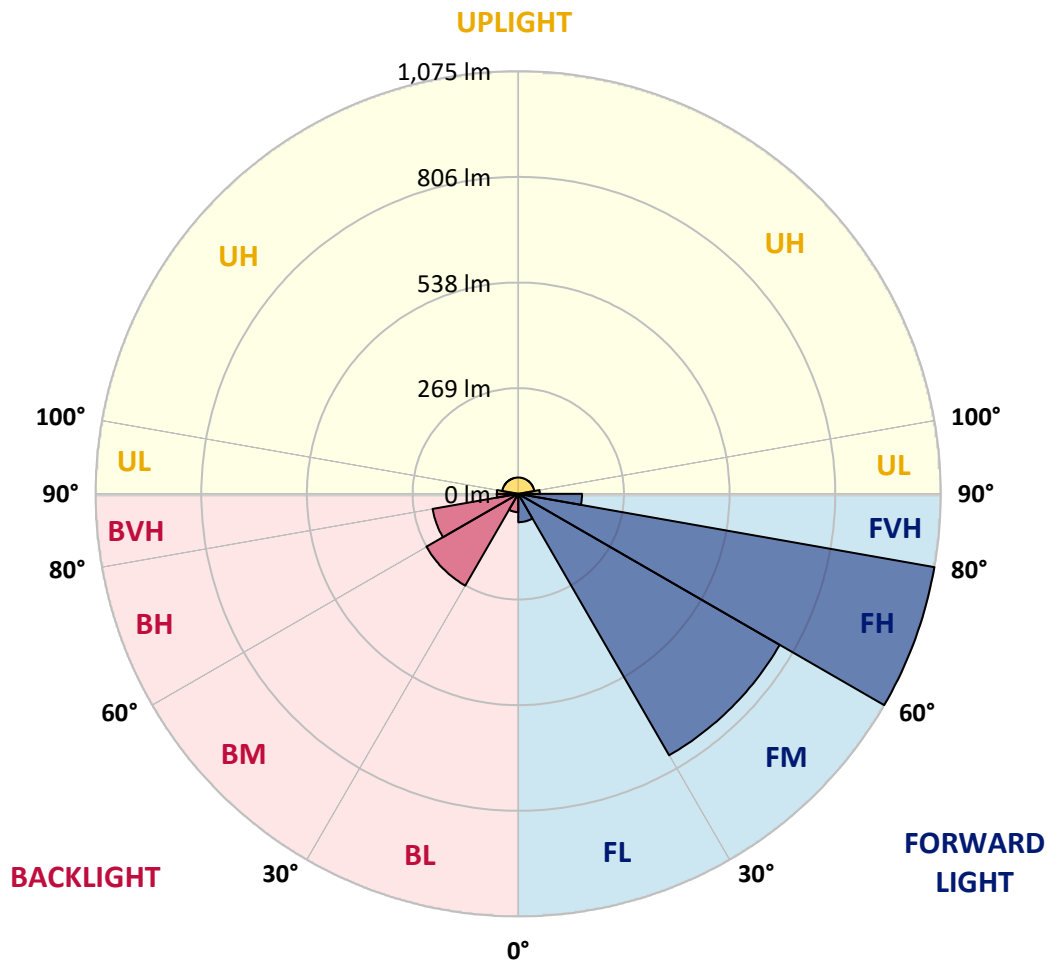


REPORT NUMBER: P694639  
 CATALOG NUMBER: LXF.LXT-PA16-20-750-U-T4W-TL

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	72.2	2.6			
FM (30°-60°)	768.0	27.8			
FH (60°-80°)	1075.2	38.9			G1/1800
FVH (80°-90°)	162.2	5.9			G2/225
BL (0°-30°)	46.7	1.7	B0/110		
BM (30°-60°)	269.7	9.8	B1/1000		
BH (60°-80°)	221.3	8.0	B1/500		G1/500
BVH (80°-90°)	54.8	2.0			G1/100
UL (90°-100°)	54.6	2.0		U3/500	
UH (100°-180°)	41.4	1.5		U2/50	

**BUG Rating: B1-U3-G2**  
 Type IV Medium



REPORT NUMBER: P694639  
 CATALOG NUMBER: LXF.LXT-PA16-20-750-U-T4W-TL

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
2.5°	49.0	49.0	49.0	49.0	50.0	49.0	49.0	48.0	48.0	47.0	47.0
5°	56.0	56.0	56.0	56.0	56.0	55.0	54.0	53.0	52.0	51.0	51.0
7.5°	66.0	66.0	66.0	65.0	64.0	63.0	62.0	60.0	58.0	58.0	56.0
10°	80.0	80.0	80.0	79.0	76.0	74.0	72.0	69.0	68.0	67.0	65.0
12.5°	99.0	99.0	97.0	95.0	91.0	88.0	85.0	82.0	81.0	80.0	77.0
15°	123.0	122.0	120.0	114.0	110.0	105.0	102.0	99.0	96.0	96.0	95.0
17.5°	152.0	151.0	146.0	138.0	132.0	124.0	120.0	118.0	118.0	117.0	115.0
20°	187.0	187.0	180.0	168.0	156.0	146.0	143.0	142.0	142.0	143.0	140.0
22.5°	232.0	231.0	221.0	201.0	184.0	171.0	168.0	168.0	171.0	171.0	170.0
25°	282.0	281.0	263.0	241.0	214.0	200.0	193.0	198.0	205.0	206.0	207.0
27.5°	342.9	338.9	318.0	284.0	249.0	227.0	222.0	230.0	244.0	243.0	245.0
30°	405.9	403.9	374.9	332.9	286.0	256.0	252.0	267.0	283.0	284.0	289.0
32.5°	479.9	468.9	441.9	385.9	324.0	287.0	281.0	303.0	327.0	328.9	333.9
35°	553.9	552.9	508.9	442.9	363.9	316.0	311.0	336.9	370.9	371.9	378.9
37.5°	628.9	624.9	582.9	498.9	407.9	348.9	340.9	374.9	412.9	414.9	424.9
40°	707.9	702.9	657.9	558.9	453.9	384.9	375.9	415.9	459.9	463.9	475.9
42.5°	776.9	775.9	732.9	624.9	498.9	419.9	413.9	456.9	508.9	510.9	528.9
45°	852.9	839.9	799.9	690.9	554.9	462.9	456.9	509.9	568.9	576.9	591.9
47.5°	912.9	906.9	869.9	762.9	611.9	509.9	503.9	566.9	638.9	645.9	658.9
50°	973.9	966.9	933.9	830.9	673.9	564.9	563.9	638.9	726.9	737.9	751.9
52.5°	1023.8	1019.8	999.8	903.9	739.9	619.9	630.9	723.9	823.9	831.9	845.9
55°	1070.8	1067.8	1063.8	984.8	818.9	692.9	701.9	818.9	933.9	948.9	970.9
57.5°	1105.8	1110.8	1118.8	1063.8	901.9	765.9	784.9	934.9	1055.8	1069.8	1091.8
60°	1129.8	1137.8	1166.8	1142.8	988.8	846.9	886.9	1041.8	1182.8	1198.8	1209.8
62.5°	1132.8	1145.8	1204.8	1209.8	1070.8	931.9	976.9	1155.8	1303.8	1306.8	1293.8
65°	1109.8	1119.8	1202.8	1250.8	1143.8	1014.8	1075.8	1272.8	1396.8	1403.8	1343.8
67.5°	1044.8	1059.8	1163.8	1259.8	1197.8	1083.8	1156.8	1349.8	1442.8	1447.8	1328.8
70°	923.9	950.9	1074.8	1207.8	1208.8	1121.8	1209.8	1382.8	1421.8	1415.8	1238.8
72.5°	777.9	784.9	921.9	1099.8	1166.8	1120.8	1203.8	1342.8	1314.8	1303.8	1070.8
75°	568.9	587.9	715.9	932.9	1066.8	1054.8	1132.8	1223.8	1127.8	1107.8	872.9
77.5°	384.9	404.9	505.9	715.9	897.9	936.9	1002.8	1029.8	907.9	890.9	639.9
80°	242.0	256.0	327.0	499.9	703.9	764.9	814.9	797.9	658.9	642.9	454.9
82.5°	135.0	142.0	200.0	326.0	495.9	581.9	620.9	578.9	453.9	435.9	295.0
85°	71.0	80.0	113.0	198.0	330.9	413.9	444.9	382.9	279.0	273.0	184.0
87.5°	39.0	43.0	65.0	119.0	205.0	281.0	295.0	241.0	173.0	165.0	117.0
90°	24.0	26.0	38.0	71.0	127.0	176.0	185.0	151.0	108.0	106.0	78.0
92.5°	16.0	17.0	26.0	46.0	80.0	113.0	119.0	94.0	71.0	69.0	56.0
95°	12.0	13.0	20.0	33.0	55.0	77.0	76.0	64.0	48.0	47.0	41.0
97.5°	10.0	11.0	17.0	26.0	40.0	52.0	52.0	42.0	35.0	35.0	32.0
100°	9.0	9.0	14.0	21.0	30.0	38.0	38.0	31.0	26.0	26.0	24.0
102.5°	8.0	8.0	12.0	18.0	24.0	30.0	29.0	24.0	20.0	20.0	19.0
105°	7.0	7.0	11.0	15.0	20.0	24.0	23.0	19.0	16.0	15.0	14.0
107.5°	6.0	6.0	9.0	13.0	18.0	20.0	19.0	16.0	12.0	12.0	11.0
110°	6.0	6.0	8.0	12.0	15.0	17.0	16.0	13.0	10.0	10.0	9.0

REPORT NUMBER: P694639  
 CATALOG NUMBER: LXF.LXT-PA16-20-750-U-T4W-TL

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
112.5°	5.0	5.0	7.0	10.0	13.0	15.0	14.0	11.0	8.0	8.0	8.0
115°	5.0	5.0	6.0	9.0	11.0	13.0	12.0	9.0	7.0	7.0	7.0
117.5°	5.0	5.0	6.0	8.0	10.0	11.0	10.0	8.0	6.0	6.0	6.0
120°	4.0	4.0	5.0	7.0	9.0	10.0	9.0	7.0	5.0	5.0	6.0
122.5°	4.0	4.0	5.0	6.0	8.0	9.0	8.0	6.0	5.0	5.0	5.0
125°	4.0	4.0	5.0	6.0	7.0	8.0	7.0	5.0	5.0	5.0	5.0
127.5°	4.0	4.0	4.0	5.0	6.0	7.0	6.0	5.0	4.0	4.0	5.0
130°	4.0	4.0	4.0	5.0	6.0	6.0	5.0	4.0	4.0	4.0	5.0
132.5°	4.0	4.0	4.0	4.0	5.0	5.0	5.0	4.0	4.0	4.0	4.0
135°	4.0	4.0	4.0	4.0	5.0	5.0	4.0	4.0	4.0	4.0	4.0
137.5°	4.0	3.0	3.0	4.0	4.0	4.0	4.0	3.0	3.0	3.0	4.0
140°	3.0	3.0	3.0	3.0	4.0	4.0	3.0	3.0	3.0	3.0	3.0
142.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
145°	3.0	3.0	3.0	2.0	3.0	3.0	2.0	2.0	2.0	3.0	3.0
147.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
150°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
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: P694639  
 CATALOG NUMBER: LXF.LXT-PA16-20-750-U-T4W-TL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
2.5°	47.0	46.0	46.0	46.0	46.0	45.0	45.0	45.0	45.0	44.0	45.0
5°	50.0	50.0	49.0	47.0	47.0	46.0	46.0	45.0	45.0	44.0	44.0
7.5°	56.0	55.0	53.0	52.0	50.0	49.0	48.0	47.0	47.0	46.0	46.0
10°	64.0	63.0	60.0	58.0	56.0	54.0	53.0	52.0	51.0	50.0	50.0
12.5°	76.0	74.0	71.0	66.0	64.0	61.0	59.0	58.0	58.0	58.0	57.0
15°	93.0	90.0	85.0	79.0	73.0	69.0	68.0	68.0	68.0	69.0	69.0
17.5°	113.0	109.0	103.0	93.0	85.0	80.0	79.0	79.0	80.0	82.0	82.0
20°	138.0	133.0	124.0	111.0	99.0	92.0	90.0	92.0	96.0	97.0	97.0
22.5°	167.0	163.0	148.0	129.0	114.0	105.0	103.0	105.0	110.0	114.0	115.0
25°	202.0	196.0	175.0	150.0	129.0	118.0	115.0	120.0	127.0	133.0	133.0
27.5°	241.0	234.0	205.0	172.0	144.0	129.0	126.0	133.0	145.0	152.0	153.0
30°	283.0	272.0	234.0	193.0	157.0	139.0	137.0	147.0	161.0	170.0	171.0
32.5°	328.9	311.0	264.0	212.0	169.0	146.0	145.0	158.0	175.0	186.0	187.0
35°	371.9	351.9	291.0	226.0	177.0	151.0	151.0	166.0	186.0	197.0	198.0
37.5°	413.9	387.9	314.0	237.0	181.0	153.0	154.0	172.0	192.0	203.0	204.0
40°	459.9	426.9	333.9	242.0	182.0	154.0	156.0	175.0	193.0	204.0	204.0
42.5°	507.9	467.9	346.9	242.0	180.0	153.0	155.0	174.0	191.0	199.0	200.0
45°	563.9	511.9	355.9	238.0	176.0	150.0	153.0	172.0	185.0	189.0	190.0
47.5°	627.9	557.9	362.9	232.0	171.0	147.0	151.0	167.0	178.0	178.0	178.0
50°	708.9	609.9	368.9	222.0	165.0	144.0	148.0	163.0	169.0	167.0	167.0
52.5°	796.9	666.9	372.9	212.0	159.0	140.0	145.0	159.0	162.0	157.0	157.0
55°	894.9	733.9	372.9	202.0	153.0	137.0	143.0	155.0	156.0	151.0	149.0
57.5°	988.8	786.9	367.9	191.0	147.0	134.0	141.0	153.0	153.0	148.0	147.0
60°	1072.8	835.9	359.9	181.0	143.0	132.0	141.0	152.0	152.0	148.0	148.0
62.5°	1132.8	851.9	339.9	172.0	139.0	132.0	142.0	153.0	154.0	152.0	151.0
65°	1147.8	843.9	317.0	162.0	135.0	131.0	144.0	156.0	157.0	156.0	156.0
67.5°	1105.8	784.9	282.0	154.0	132.0	131.0	145.0	158.0	159.0	159.0	159.0
70°	996.8	696.9	250.0	145.0	129.0	130.0	147.0	160.0	160.0	160.0	160.0
72.5°	842.9	584.9	217.0	137.0	124.0	128.0	147.0	159.0	159.0	158.0	158.0
75°	665.9	462.9	186.0	129.0	118.0	124.0	145.0	156.0	155.0	154.0	153.0
77.5°	492.9	343.9	156.0	118.0	111.0	119.0	139.0	149.0	148.0	147.0	145.0
80°	339.9	240.0	130.0	107.0	102.0	111.0	130.0	139.0	138.0	136.0	136.0
82.5°	221.0	165.0	105.0	94.0	92.0	102.0	120.0	127.0	125.0	123.0	122.0
85°	143.0	112.0	84.0	80.0	82.0	91.0	105.0	111.0	110.0	108.0	106.0
87.5°	94.0	80.0	66.0	66.0	70.0	80.0	90.0	93.0	92.0	92.0	90.0
90°	66.0	60.0	54.0	55.0	60.0	69.0	74.0	75.0	74.0	75.0	73.0
92.5°	49.0	46.0	44.0	46.0	51.0	58.0	61.0	59.0	60.0	60.0	59.0
95°	38.0	37.0	37.0	39.0	44.0	49.0	50.0	47.0	49.0	49.0	48.0
97.5°	30.0	30.0	31.0	33.0	37.0	41.0	41.0	39.0	40.0	40.0	40.0
100°	24.0	24.0	26.0	28.0	32.0	35.0	34.0	32.0	33.0	32.0	31.0
102.5°	19.0	20.0	22.0	24.0	27.0	29.0	29.0	27.0	27.0	26.0	26.0
105°	15.0	16.0	18.0	21.0	23.0	25.0	25.0	23.0	21.0	20.0	20.0
107.5°	12.0	13.0	15.0	17.0	20.0	21.0	21.0	19.0	17.0	15.0	15.0
110°	10.0	11.0	13.0	15.0	17.0	18.0	18.0	16.0	14.0	12.0	12.0

REPORT NUMBER: P694639  
 CATALOG NUMBER: LXF.LXT-PA16-20-750-U-T4W-TL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	9.0	9.0	11.0	13.0	14.0	15.0	15.0	14.0	11.0	10.0	10.0
115°	7.0	8.0	9.0	11.0	12.0	13.0	13.0	11.0	9.0	8.0	8.0
117.5°	7.0	7.0	8.0	10.0	11.0	12.0	11.0	10.0	8.0	7.0	7.0
120°	6.0	7.0	8.0	8.0	10.0	10.0	10.0	8.0	7.0	7.0	7.0
122.5°	6.0	6.0	7.0	8.0	8.0	9.0	9.0	7.0	6.0	6.0	6.0
125°	5.0	6.0	6.0	7.0	8.0	8.0	8.0	6.0	6.0	6.0	6.0
127.5°	5.0	5.0	6.0	6.0	7.0	7.0	7.0	6.0	5.0	5.0	5.0
130°	5.0	5.0	5.0	5.0	6.0	6.0	6.0	5.0	5.0	5.0	5.0
132.5°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.0	5.0	5.0
135°	4.0	4.0	4.0	4.0	5.0	5.0	4.0	4.0	4.0	4.0	4.0
137.5°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
140°	4.0	4.0	4.0	3.0	4.0	4.0	3.0	3.0	3.0	4.0	4.0
142.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
145°	3.0	3.0	3.0	2.0	2.0	3.0	3.0	3.0	3.0	3.0	3.0
147.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0	2.0
150°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
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)