

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: P695168

Luminaire Tested: **LXF.LXT-PA16-40-750-U-T2U-FL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695168  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-40-750-U-T2U-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS  
AND FROSTED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4551 lumens  
Efficiency: N/A  
Efficacy: 113.2 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: B2 - U3 - G2

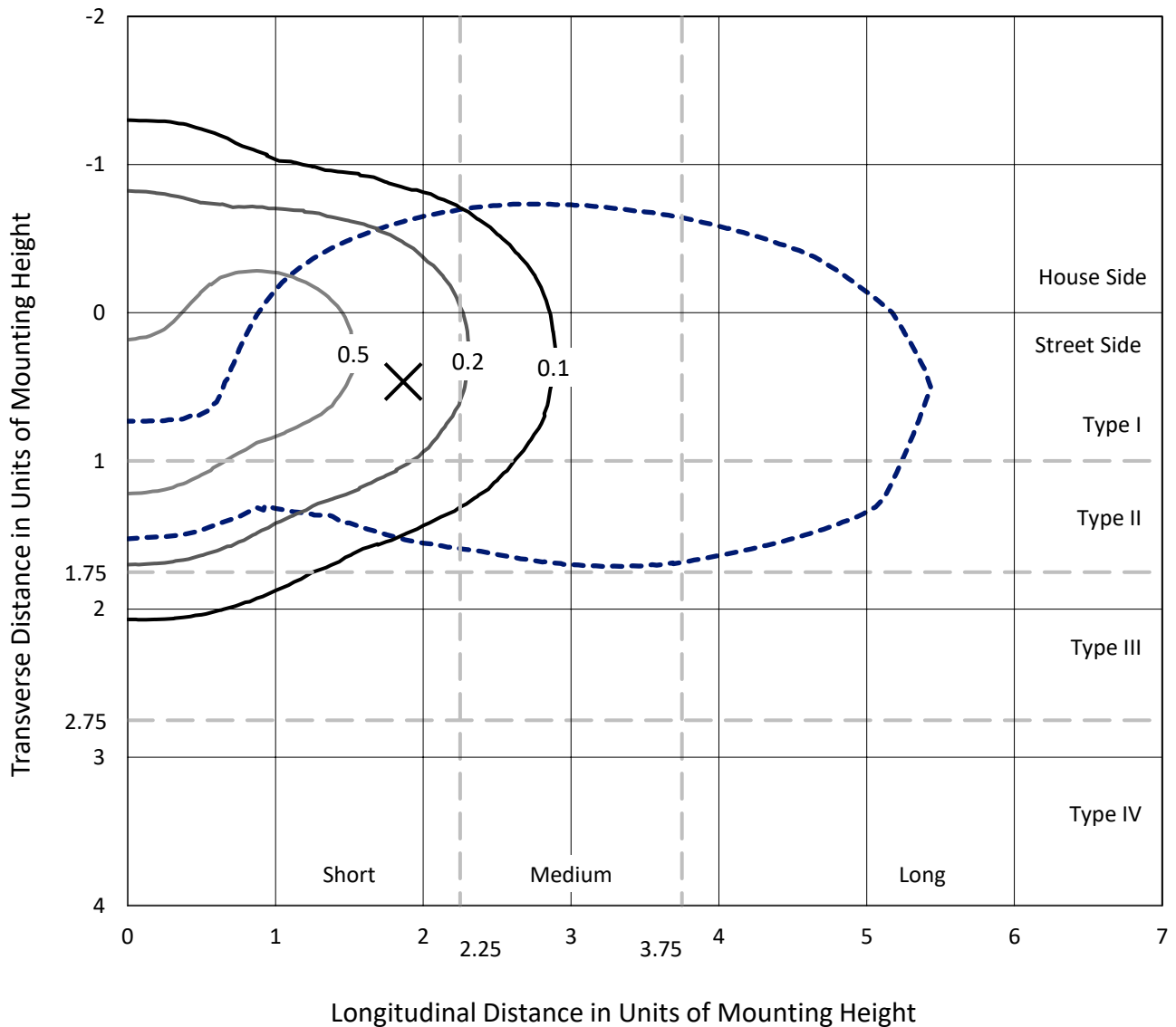
Input Watts (W): 40.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

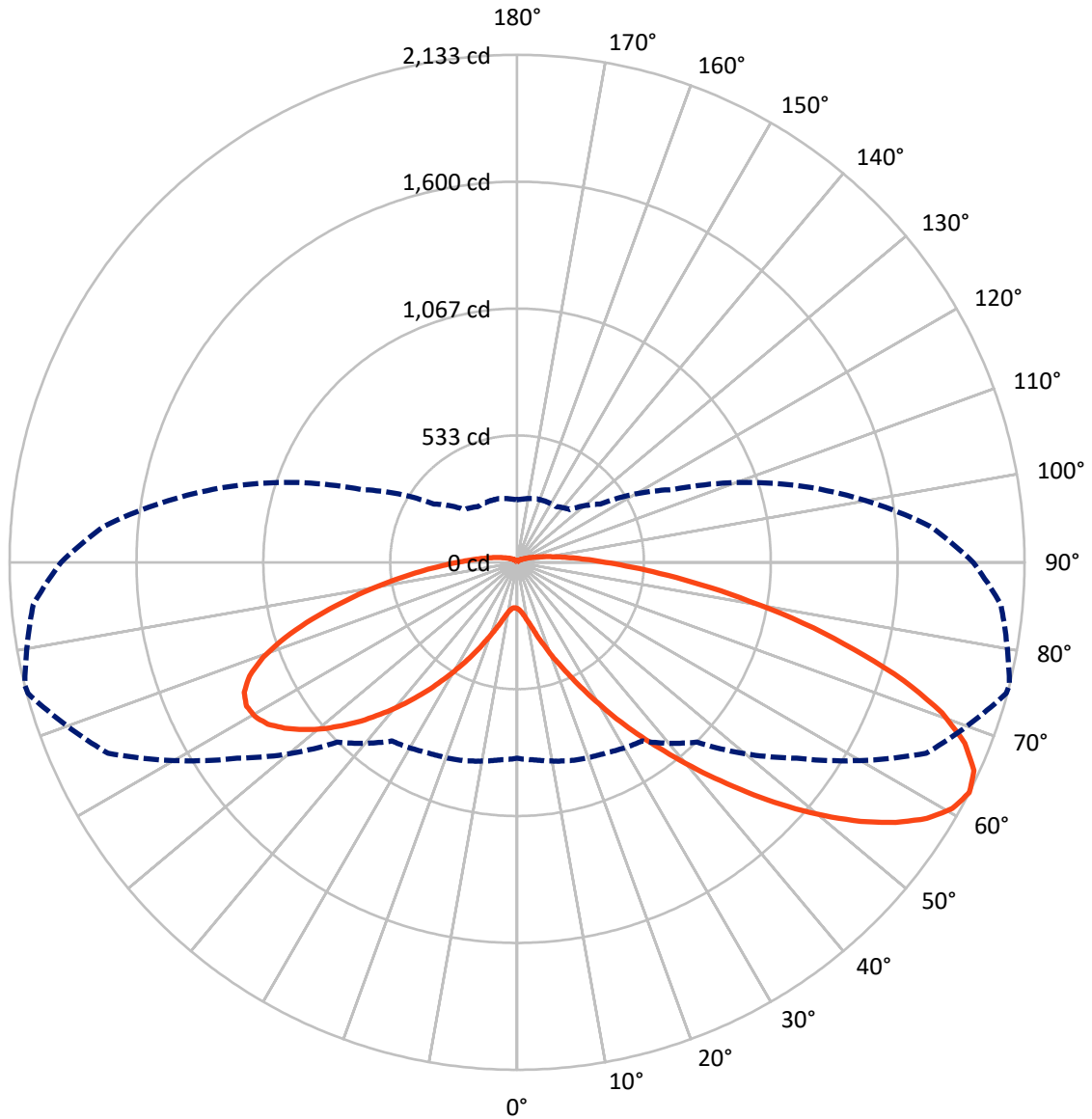
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

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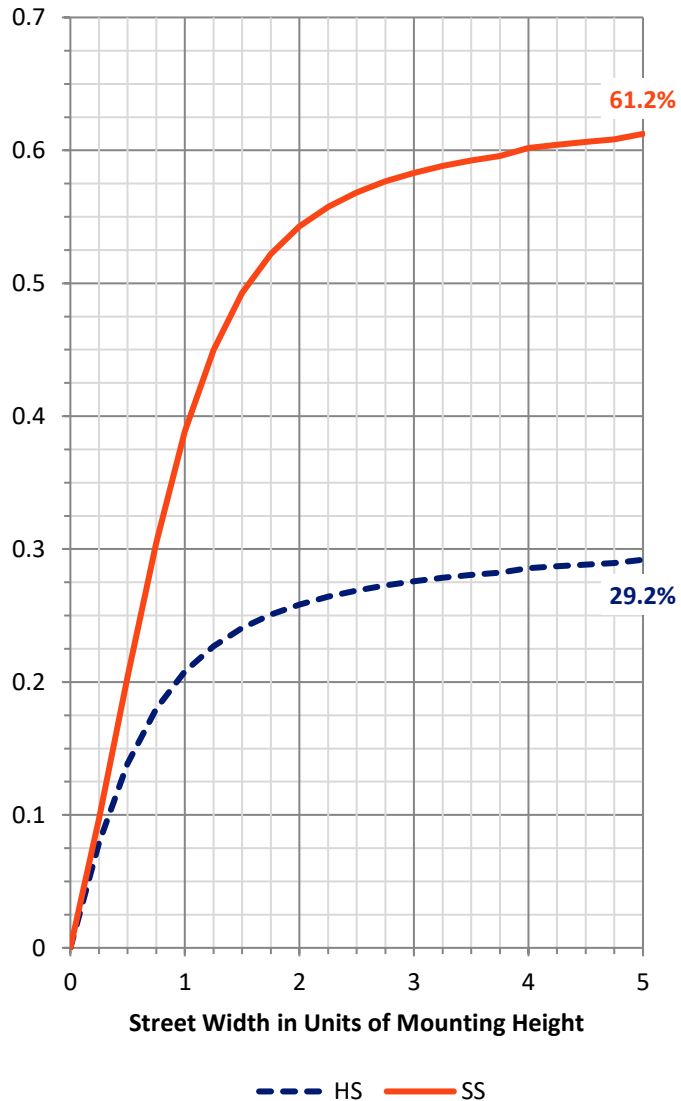
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1384.5	136.0	1520.5
	% Fixture	30.4	3.0	33.4
<b>Street Side</b>	Lumens	2864.0	166.5	3030.5
	% Fixture	62.9	3.7	66.6
<b>Total</b>	Lumens	4248.5	302.5	4551.0
	% Fixture	93.4	6.6	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	20.3	0.4
10°-20°	83.7	1.8
20°-30°	213.8	4.7
30°-40°	427.3	9.4
40°-50°	690.5	15.2
50°-60°	903.2	19.8
60°-70°	916.3	20.1
70°-80°	658.8	14.5
80°-90°	334.5	7.4
90°-100°	151.3	3.3
100°-110°	74.3	1.6
110°-120°	39.7	0.9
120°-130°	21.9	0.5
130°-140°	11.0	0.2
140°-150°	4.1	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4248.5	93.4
0°-180°	4551.0	100.0

**Coefficient of Utilization**

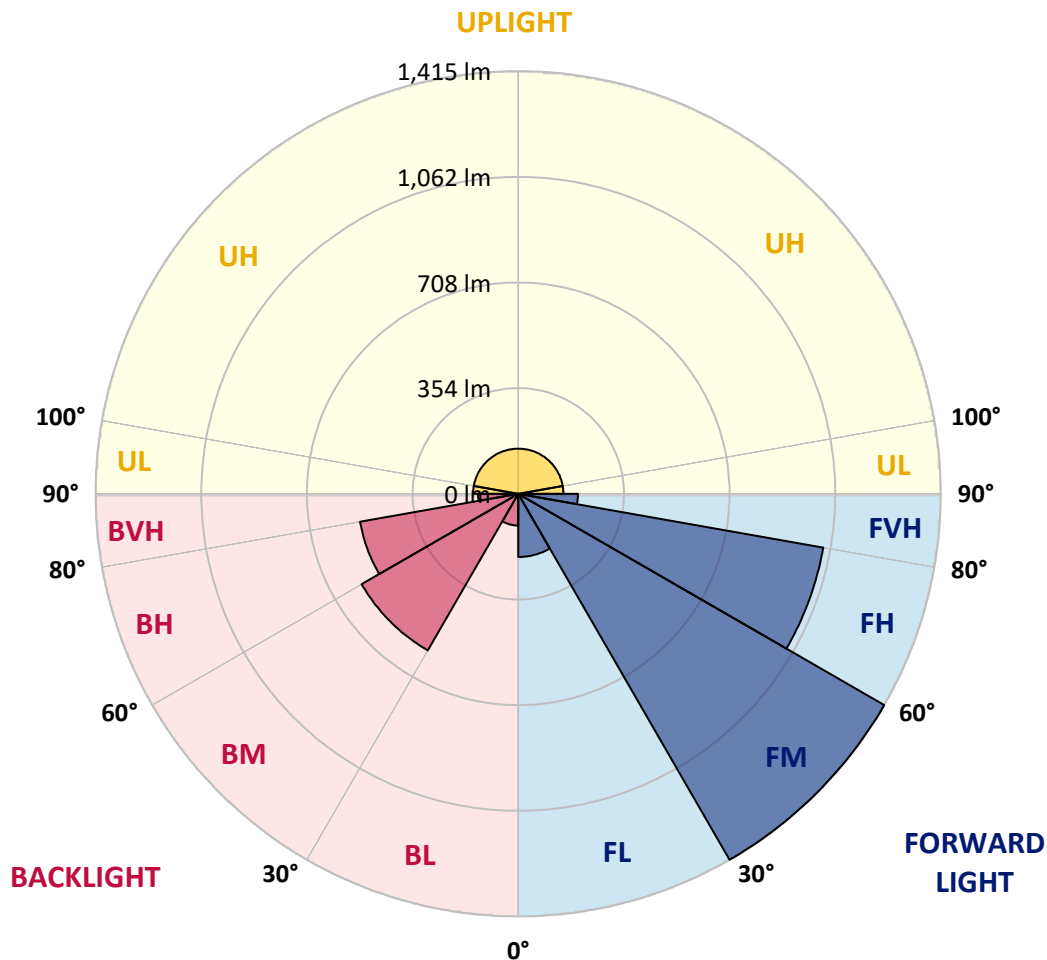


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	211.6	4.6			
FM (30°-60°)	1415.4	31.1			
FH (60°-80°)	1037.2	22.8			G1/1800
FVH (80°-90°)	199.8	4.4			G2/225
BL (0°-30°)	106.3	2.3	B0/110		
BM (30°-60°)	605.6	13.3	B1/1000		
BH (60°-80°)	537.9	11.8	B2/1000		G2/1000
BVH (80°-90°)	134.7	3.0			G2/225
UL (90°-100°)	151.3	3.3		U3/500	
UH (100°-180°)	151.2	3.3		U3/500	

**BUG Rating: B2-U3-G2**  
 Type II Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	194.5	194.5	194.5	194.5	194.5	194.5	194.5	194.5	194.5	194.5	194.5
2.5°	217.4	215.8	215.8	214.2	212.5	210.9	207.6	204.3	201.1	201.1	197.8
5°	246.9	245.2	245.2	241.9	238.7	232.1	227.2	220.7	214.2	212.5	206.0
7.5°	279.5	281.2	279.5	274.6	269.7	261.6	251.8	241.9	230.5	228.9	219.1
10°	320.4	322.1	317.1	310.6	305.7	297.5	282.8	269.7	255.0	253.4	240.3
12.5°	369.5	366.2	366.2	358.0	348.2	333.5	317.1	302.4	284.5	281.2	266.5
15°	418.5	425.0	420.1	408.7	394.0	379.3	362.9	344.9	327.0	323.7	302.4
17.5°	475.7	483.9	477.4	464.3	449.6	429.9	415.2	392.3	371.1	366.2	341.7
20°	547.7	547.7	539.5	523.1	506.8	492.1	470.8	446.3	421.8	420.1	387.4
22.5°	619.6	616.3	608.1	590.2	570.5	554.2	529.7	506.8	482.3	474.1	446.3
25°	699.7	696.4	681.7	657.2	640.8	617.9	598.3	575.4	549.3	541.1	510.1
27.5°	781.4	778.2	760.2	737.3	711.1	688.2	668.6	650.6	617.9	617.9	582.0
30°	866.4	861.5	840.3	815.8	783.1	760.2	748.7	730.7	707.9	703.0	658.8
32.5°	946.5	948.2	926.9	892.6	858.3	835.4	830.5	825.6	801.0	799.4	752.0
35°	1029.9	1026.6	1003.8	969.4	933.5	912.2	913.8	923.7	902.4	899.1	841.9
37.5°	1105.1	1105.1	1080.6	1038.1	998.9	982.5	1005.4	1031.5	1016.8	1007.0	948.2
40°	1173.8	1168.9	1147.6	1103.5	1059.3	1057.7	1098.6	1137.8	1132.9	1129.6	1057.7
42.5°	1224.5	1217.9	1198.3	1152.5	1113.3	1121.5	1188.5	1263.7	1262.1	1255.5	1178.7
45°	1252.2	1249.0	1231.0	1188.5	1150.9	1181.9	1280.0	1381.4	1399.4	1394.5	1301.3
47.5°	1257.1	1255.5	1240.8	1203.2	1175.4	1226.1	1369.9	1505.6	1533.4	1535.1	1428.8
50°	1237.5	1237.5	1227.7	1198.3	1181.9	1257.1	1440.2	1633.1	1672.4	1674.0	1557.9
52.5°	1190.1	1190.1	1190.1	1170.5	1167.2	1267.0	1499.1	1734.5	1811.3	1809.7	1692.0
55°	1123.1	1121.5	1128.0	1124.7	1129.6	1250.6	1526.9	1829.3	1935.6	1930.7	1814.6
57.5°	1039.7	1034.8	1051.2	1057.7	1072.4	1211.4	1531.8	1893.1	2035.3	2032.0	1914.3
60°	931.8	935.1	959.6	971.1	997.2	1149.3	1499.1	1916.0	2102.3	2102.3	1997.7
62.5°	823.9	833.7	863.2	884.4	917.1	1069.1	1435.3	1898.0	2128.5	2133.4	2041.8
65°	719.3	732.4	765.1	788.0	828.8	971.1	1330.7	1827.7	2102.3	2110.5	2045.1
67.5°	624.5	627.8	663.7	689.9	732.4	866.4	1211.4	1708.3	2015.7	2030.4	1992.8
70°	532.9	537.8	573.8	603.2	640.8	756.9	1069.1	1531.8	1870.2	1894.7	1876.7
72.5°	444.7	452.8	483.9	518.2	554.2	655.5	917.1	1353.6	1674.0	1700.2	1710.0
75°	374.4	382.5	413.6	446.3	479.0	560.7	781.4	1146.0	1448.4	1463.1	1510.5
77.5°	310.6	320.4	346.6	379.3	408.7	477.4	647.4	944.9	1217.9	1229.4	1270.2
80°	259.9	268.1	289.4	320.4	343.3	400.5	529.7	765.1	976.0	990.7	1026.6
82.5°	215.8	219.1	241.9	268.1	292.6	338.4	433.2	608.1	765.1	781.4	830.5
85°	181.5	183.1	202.7	224.0	246.9	281.2	353.1	475.7	590.2	601.6	637.6
87.5°	147.1	150.4	170.0	189.6	207.6	237.0	286.1	374.4	454.5	459.4	483.9
90°	122.6	125.9	142.2	160.2	178.2	197.8	235.4	289.4	346.6	349.8	364.6
92.5°	103.0	104.6	119.3	137.3	153.7	170.0	192.9	228.9	269.7	273.0	279.5
95°	86.6	88.3	101.4	116.1	130.8	143.9	161.8	184.7	209.3	210.9	217.4
97.5°	75.2	75.2	86.6	99.7	112.8	122.6	134.1	150.4	165.1	163.5	165.1
100°	63.8	63.8	73.6	86.6	98.1	106.3	112.8	121.0	127.5	129.1	129.1
102.5°	55.6	55.6	63.8	76.8	86.6	93.2	98.1	99.7	103.0	103.0	101.4
105°	47.4	49.0	55.6	67.0	75.2	81.7	83.4	83.4	81.7	81.7	81.7
107.5°	42.5	42.5	49.0	58.9	67.0	71.9	73.6	70.3	67.0	65.4	65.4
110°	39.2	39.2	44.1	52.3	60.5	63.8	63.8	58.9	53.9	55.6	53.9

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
112.5°	34.3	36.0	39.2	47.4	53.9	57.2	55.6	50.7	45.8	44.1	44.1
115°	32.7	32.7	36.0	42.5	49.0	50.7	49.0	44.1	37.6	37.6	37.6
117.5°	29.4	29.4	32.7	37.6	42.5	45.8	42.5	37.6	31.1	31.1	31.1
120°	27.8	27.8	29.4	34.3	39.2	40.9	37.6	32.7	26.2	26.2	27.8
122.5°	26.2	26.2	27.8	31.1	34.3	36.0	34.3	27.8	22.9	22.9	24.5
125°	24.5	24.5	24.5	27.8	31.1	32.7	29.4	24.5	19.6	19.6	21.3
127.5°	22.9	22.9	22.9	24.5	27.8	27.8	26.2	21.3	18.0	18.0	19.6
130°	21.3	21.3	21.3	22.9	24.5	24.5	21.3	18.0	16.3	16.3	16.3
132.5°	19.6	19.6	19.6	19.6	21.3	21.3	18.0	14.7	13.1	14.7	14.7
135°	18.0	18.0	18.0	18.0	18.0	18.0	14.7	11.4	11.4	11.4	13.1
137.5°	16.3	16.3	16.3	14.7	14.7	14.7	11.4	9.8	9.8	9.8	11.4
140°	14.7	14.7	14.7	13.1	11.4	11.4	8.2	8.2	8.2	8.2	9.8
142.5°	13.1	13.1	13.1	11.4	9.8	8.2	6.5	6.5	6.5	6.5	8.2
145°	11.4	11.4	9.8	9.8	6.5	4.9	4.9	4.9	4.9	6.5	6.5
147.5°	9.8	9.8	8.2	6.5	4.9	3.3	1.6	3.3	3.3	3.3	4.9
150°	6.5	6.5	6.5	4.9	3.3	1.6	1.6	1.6	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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	194.5	194.5	194.5	194.5	194.5	194.5	194.5	194.5	194.5	194.5	194.5
2.5°	196.2	194.5	191.3	188.0	184.7	183.1	181.5	179.8	179.8	179.8	179.8
5°	202.7	197.8	191.3	184.7	178.2	173.3	168.4	165.1	163.5	161.8	161.8
7.5°	214.2	207.6	196.2	186.4	176.6	166.7	160.2	155.3	152.0	150.4	150.4
10°	230.5	222.3	207.6	192.9	178.2	166.7	156.9	150.4	145.5	143.9	142.2
12.5°	256.7	246.9	225.6	204.3	186.4	170.0	158.6	148.8	143.9	142.2	142.2
15°	291.0	277.9	250.1	224.0	199.4	178.2	165.1	158.6	155.3	152.0	152.0
17.5°	327.0	312.2	281.2	248.5	219.1	194.5	179.8	173.3	166.7	165.1	165.1
20°	374.4	354.7	315.5	276.3	241.9	217.4	199.4	186.4	179.8	178.2	178.2
22.5°	425.0	400.5	356.4	307.3	269.7	238.7	217.4	201.1	194.5	191.3	191.3
25°	482.3	459.4	402.2	343.3	300.8	263.2	235.4	217.4	209.3	207.6	207.6
27.5°	550.9	523.1	452.8	385.8	330.2	284.5	253.4	232.1	224.0	222.3	222.3
30°	631.0	591.8	508.4	431.6	361.3	304.1	266.5	246.9	237.0	237.0	237.0
32.5°	706.2	665.4	568.9	477.4	389.1	320.4	279.5	259.9	250.1	250.1	250.1
35°	797.8	750.4	634.3	521.5	413.6	335.1	289.4	269.7	261.6	259.9	259.9
37.5°	899.1	838.6	699.7	562.4	436.5	344.9	297.5	277.9	269.7	268.1	268.1
40°	1000.5	930.2	771.6	604.9	452.8	351.5	302.4	284.5	276.3	273.0	273.0
42.5°	1108.4	1028.3	840.3	644.1	467.5	354.7	304.1	289.4	281.2	276.3	276.3
45°	1224.5	1129.6	913.8	675.2	477.4	356.4	305.7	291.0	284.5	277.9	277.9
47.5°	1348.7	1237.5	980.9	704.6	480.6	354.7	305.7	292.6	284.5	277.9	276.3
50°	1461.5	1342.2	1049.5	727.5	480.6	351.5	305.7	294.3	286.1	276.3	276.3
52.5°	1580.8	1445.1	1108.4	742.2	477.4	346.6	304.1	292.6	286.1	274.6	274.6
55°	1698.5	1543.2	1162.3	750.4	469.2	340.0	300.8	292.6	284.5	273.0	271.4
57.5°	1793.4	1633.1	1206.5	750.4	457.7	331.9	295.9	291.0	282.8	271.4	269.7
60°	1870.2	1701.8	1231.0	740.6	443.0	323.7	291.0	287.7	281.2	268.1	266.5
62.5°	1917.6	1742.7	1237.5	722.6	426.7	313.9	286.1	282.8	277.9	266.5	263.2
65°	1925.8	1747.6	1217.9	691.5	405.4	300.8	277.9	277.9	273.0	261.6	259.9
67.5°	1878.4	1700.2	1168.9	649.0	382.5	287.7	268.1	269.7	266.5	256.7	253.4
70°	1777.0	1608.6	1087.1	600.0	356.4	274.6	256.7	258.3	255.0	246.9	245.2
72.5°	1620.1	1458.2	977.6	541.1	328.6	258.3	245.2	245.2	243.6	235.4	232.1
75°	1425.5	1284.9	851.7	479.0	300.8	240.3	230.5	230.5	228.9	220.7	217.4
77.5°	1208.1	1085.5	720.9	418.5	271.4	222.3	212.5	214.2	212.5	202.7	202.7
80°	976.0	891.0	601.6	359.7	243.6	202.7	194.5	196.2	192.9	183.1	179.8
82.5°	783.1	712.8	487.2	307.3	215.8	184.7	176.6	176.6	171.7	163.5	161.8
85°	598.3	547.7	394.0	258.3	191.3	165.1	158.6	156.9	150.4	142.2	140.6
87.5°	465.9	423.4	315.5	219.1	166.7	147.1	140.6	137.3	130.8	122.6	121.0
90°	351.5	325.3	251.8	183.1	147.1	130.8	124.2	119.3	112.8	104.6	101.4
92.5°	273.0	256.7	204.3	156.9	127.5	116.1	109.5	104.6	96.5	89.9	86.6
95°	210.9	201.1	168.4	134.1	112.8	101.4	96.5	91.5	85.0	76.8	73.6
97.5°	166.7	158.6	137.3	114.4	99.7	91.5	85.0	80.1	71.9	65.4	63.8
100°	130.8	125.9	114.4	98.1	88.3	80.1	75.2	70.3	62.1	55.6	55.6
102.5°	103.0	101.4	94.8	85.0	78.5	71.9	67.0	62.1	55.6	49.0	47.4
105°	83.4	83.4	78.5	73.6	68.7	63.8	60.5	55.6	47.4	42.5	40.9
107.5°	67.0	68.7	67.0	65.4	60.5	57.2	53.9	47.4	40.9	36.0	36.0
110°	55.6	55.6	57.2	55.6	53.9	50.7	47.4	42.5	36.0	32.7	32.7

REPORT NUMBER: P695168  
 CATALOG NUMBER: LXF.LXT-PA16-40-750-U-T2U-FL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	45.8	47.4	49.0	49.0	47.4	45.8	42.5	37.6	31.1	27.8	27.8
115°	39.2	39.2	42.5	42.5	42.5	40.9	37.6	32.7	27.8	24.5	26.2
117.5°	32.7	34.3	36.0	37.6	37.6	36.0	32.7	27.8	22.9	22.9	22.9
120°	29.4	29.4	31.1	32.7	32.7	32.7	29.4	24.5	21.3	19.6	19.6
122.5°	26.2	26.2	27.8	29.4	29.4	27.8	26.2	21.3	18.0	18.0	18.0
125°	22.9	22.9	24.5	26.2	26.2	24.5	21.3	18.0	16.3	16.3	16.3
127.5°	19.6	21.3	21.3	22.9	22.9	21.3	19.6	16.3	13.1	14.7	14.7
130°	18.0	18.0	19.6	19.6	19.6	18.0	16.3	13.1	13.1	13.1	13.1
132.5°	16.3	16.3	16.3	16.3	16.3	16.3	13.1	11.4	11.4	11.4	11.4
135°	13.1	14.7	14.7	14.7	14.7	13.1	11.4	9.8	9.8	9.8	11.4
137.5°	11.4	11.4	13.1	11.4	11.4	11.4	8.2	8.2	8.2	9.8	9.8
140°	9.8	9.8	9.8	9.8	9.8	8.2	6.5	6.5	8.2	8.2	8.2
142.5°	8.2	8.2	8.2	8.2	6.5	6.5	4.9	4.9	6.5	6.5	8.2
145°	6.5	6.5	6.5	6.5	4.9	4.9	3.3	4.9	4.9	6.5	6.5
147.5°	4.9	4.9	4.9	4.9	3.3	3.3	3.3	3.3	4.9	4.9	4.9
150°	3.3	3.3	3.3	3.3	1.6	1.6	1.6	3.3	3.3	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)