

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: P695581

Luminaire Tested: **LXF.LXT-PA16-60-727-U-T2R-A**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695581
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-PA16-60-727-U-T2R-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1160mA 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: 5293 lumens
Efficiency: N/A
Efficacy: 85.4 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

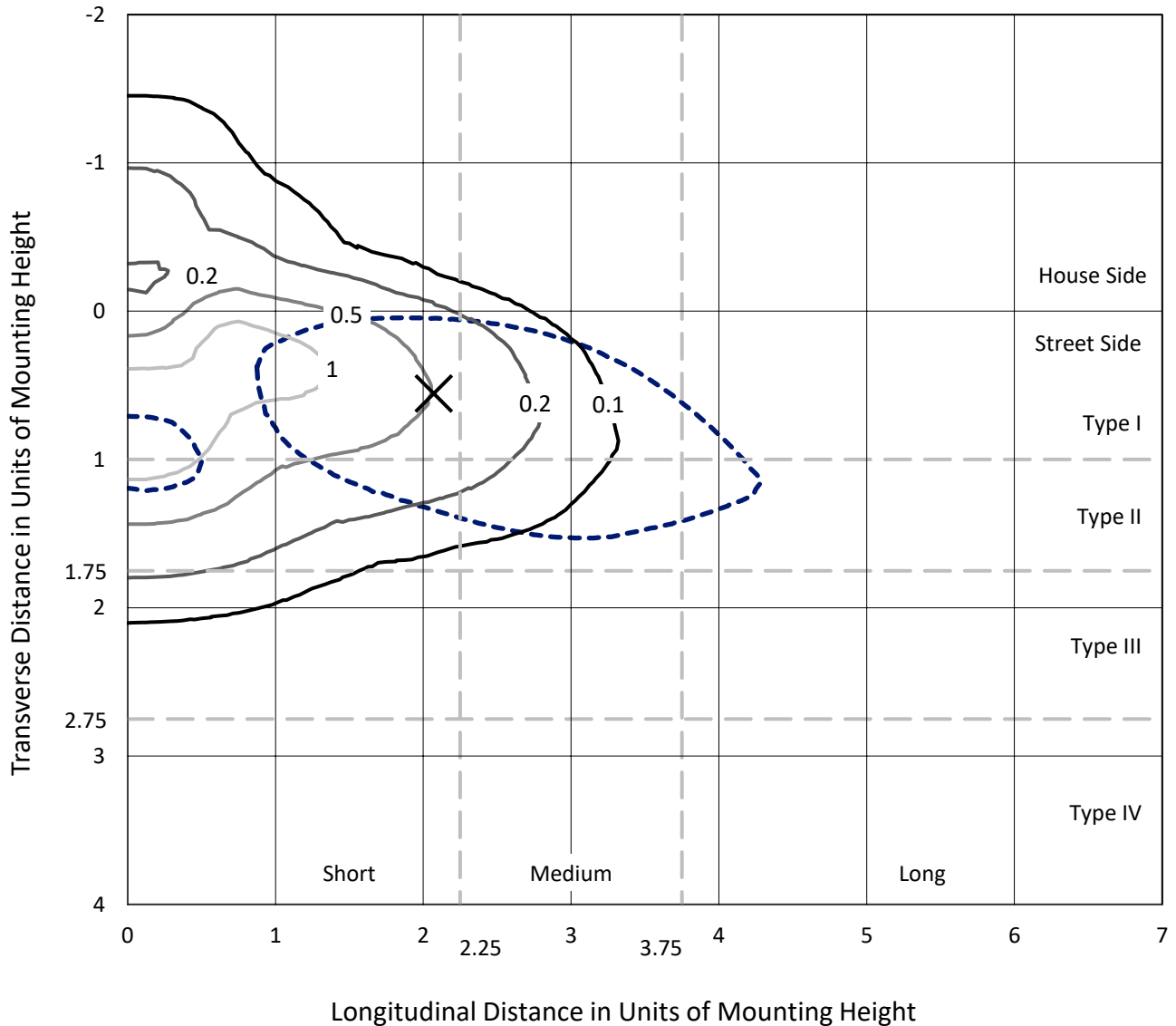
Input Watts (W): 62
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P695581
 CATALOG NUMBER: LXF.LXT-PA16-60-727-U-T2R-A

Iso-Footcandle Lines of Horizontal Illumination

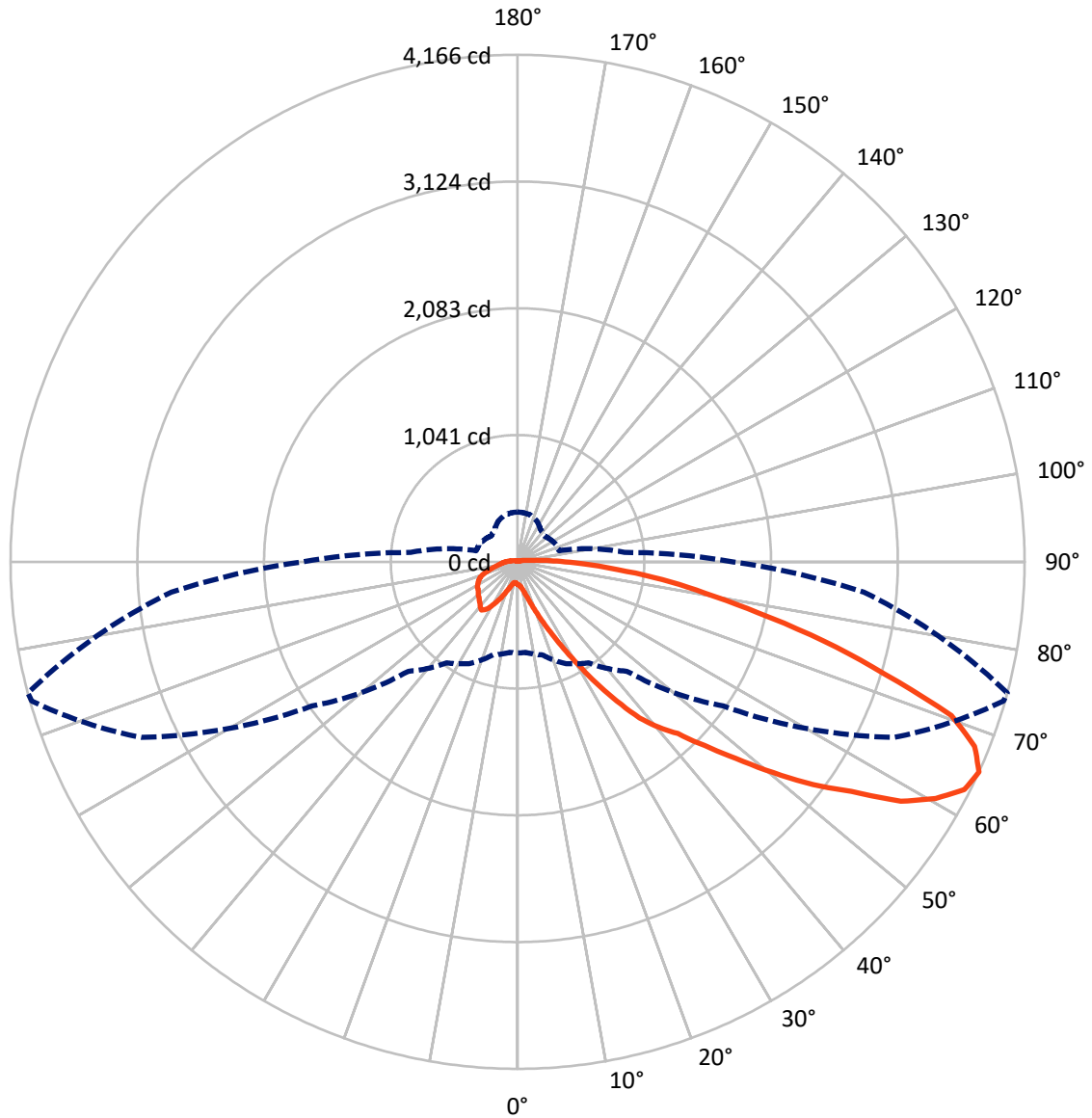
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
 Type II - Short - N/A

REPORT NUMBER: P695581
CATALOG NUMBER: LXF.LXT-PA16-60-727-U-T2R-A

Luminous Intensity Polar Plot



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

REPORT NUMBER: P695581
 CATALOG NUMBER: LXF.LXT-PA16-60-727-U-T2R-A

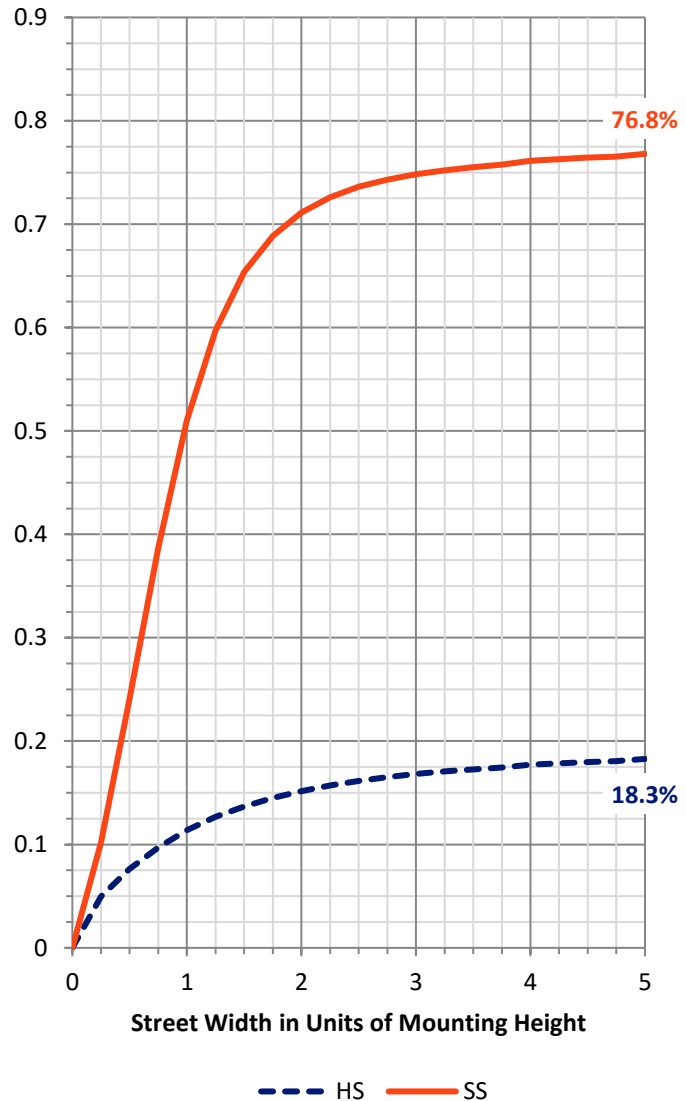
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1013.4	80.5	1093.9
	% Fixture	19.1	1.5	20.7
Street Side	Lumens	4118.4	80.7	4199.1
	% Fixture	77.8	1.5	79.3
Total	Lumens	5131.8	161.2	5293.0
	% Fixture	97.0	3.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.8	0.4
10°-20°	80.7	1.5
20°-30°	252.2	4.8
30°-40°	599.7	11.3
40°-50°	928.4	17.5
50°-60°	1158.4	21.9
60°-70°	1133.5	21.4
70°-80°	689.3	13.0
80°-90°	270.7	5.1
90°-100°	84.4	1.6
100°-110°	33.8	0.6
110°-120°	18.7	0.4
120°-130°	12.3	0.2
130°-140°	8.2	0.2
140°-150°	3.6	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5131.8	97.0
0°-180°	5293.0	100.0

Coefficient of Utilization



REPORT NUMBER: P695581

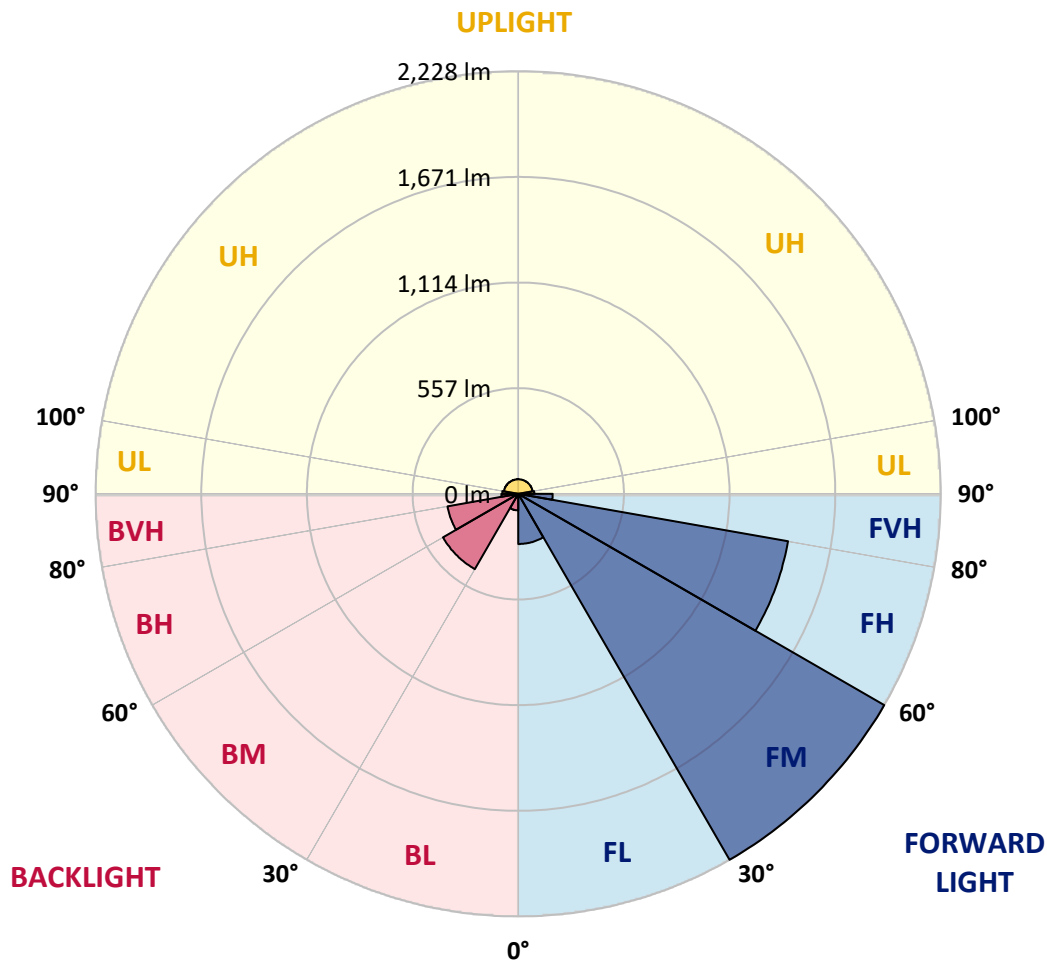
CATALOG NUMBER: LXF.LXT-PA16-60-727-U-T2R-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	264.5	5.0			
FM (30°-60°)	2228.0	42.1			
FH (60°-80°)	1444.2	27.3			G1/1800
FVH (80°-90°)	181.7	3.4			G2/225
BL (0°-30°)	87.2	1.6	B0/110		
BM (30°-60°)	458.5	8.7	B1/1000		
BH (60°-80°)	378.7	7.2	B1/500		G1/500
BVH (80°-90°)	89.0	1.7			G1/100
UL (90°-100°)	84.4	1.6		U3/500	
UH (100°-180°)	76.8	1.5		U3/500	

BUG Rating: B1-U3-G2

Type II Short



REPORT NUMBER: P695581
 CATALOG NUMBER: LXF.LXT-PA16-60-727-U-T2R-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	185.9	185.9	185.9	185.9	185.9	185.9	185.9	185.9	185.9	185.9	185.9
2.5°	205.4	207.4	205.4	203.5	201.5	199.6	195.7	193.7	189.8	189.8	185.9
5°	238.7	238.7	238.7	232.8	228.9	225.0	215.2	207.4	199.6	197.6	191.7
7.5°	279.8	275.9	273.9	268.1	260.2	252.4	238.7	225.0	213.3	211.3	199.6
10°	328.7	326.8	324.8	317.0	303.3	289.6	270.0	252.4	232.8	230.9	211.3
12.5°	395.2	393.3	385.5	375.7	356.1	334.6	311.1	289.6	264.1	262.2	234.8
15°	467.6	469.6	463.7	444.2	424.6	395.2	367.8	342.4	315.0	307.2	272.0
17.5°	577.2	575.2	561.6	528.3	504.8	473.5	438.3	405.0	371.8	365.9	320.9
20°	696.6	700.5	680.9	633.9	596.8	559.6	530.2	481.3	448.1	444.2	381.5
22.5°	849.2	859.0	817.9	770.9	708.3	665.3	635.9	588.9	542.0	542.0	461.8
25°	1048.8	1052.7	997.9	921.6	843.3	776.8	751.3	722.0	667.2	659.4	565.5
27.5°	1254.2	1265.9	1201.4	1101.6	984.2	904.0	888.3	872.7	806.1	804.2	673.1
30°	1573.1	1567.3	1457.7	1314.9	1144.6	1039.0	1029.2	1046.8	984.2	976.4	814.0
32.5°	1862.7	1852.9	1735.5	1547.7	1314.9	1189.6	1174.0	1232.7	1189.6	1187.7	974.4
35°	2101.4	2087.7	1982.1	1770.7	1498.8	1328.5	1338.3	1436.2	1414.6	1404.9	1121.1
37.5°	2212.9	2236.4	2146.4	1941.0	1657.3	1471.4	1516.4	1661.2	1641.6	1627.9	1281.6
40°	2289.3	2320.6	2226.6	2032.9	1766.8	1598.6	1671.0	1847.1	1806.0	1788.4	1350.1
42.5°	2316.6	2342.1	2279.5	2085.8	1833.4	1694.4	1790.3	1984.0	1958.6	1929.2	1447.9
45°	2299.0	2330.3	2281.4	2109.2	1866.6	1753.1	1878.4	2158.2	2177.7	2154.2	1586.8
47.5°	2230.6	2265.8	2248.2	2109.2	1876.4	1782.5	1984.0	2379.3	2424.3	2412.5	1739.4
50°	2046.6	2085.8	2117.1	2068.2	1866.6	1792.3	2101.4	2598.4	2731.5	2723.6	1950.8
52.5°	1897.9	1929.2	1941.0	1939.0	1829.4	1806.0	2212.9	2884.1	3052.3	3040.6	2140.5
55°	1698.4	1717.9	1774.7	1761.0	1706.2	1786.4	2297.1	3093.4	3341.9	3328.2	2357.7
57.5°	1354.0	1387.2	1492.9	1604.4	1553.6	1721.8	2334.3	3283.2	3729.3	3711.7	2608.2
60°	1152.5	1162.2	1222.9	1328.5	1399.0	1592.7	2320.6	3478.9	3962.2	3946.5	2721.7
62.5°	939.2	945.1	1021.4	1111.4	1211.2	1449.9	2240.3	3490.6	4112.8	4120.7	2833.2
65°	749.4	747.4	792.4	921.6	1013.5	1271.8	2066.2	3412.4	4152.0	4165.7	2854.7
67.5°	571.3	588.9	647.6	714.2	839.4	1066.4	1817.7	3206.9	4046.3	4050.2	2766.7
70°	393.3	401.1	455.9	561.6	655.5	884.4	1543.8	2889.9	3780.2	3780.2	2516.2
72.5°	283.7	293.5	320.9	389.4	506.8	692.6	1275.7	2481.0	3185.4	3154.1	2107.3
75°	211.3	213.3	238.7	279.8	358.1	540.0	992.0	1950.8	2586.7	2596.4	1731.6
77.5°	164.4	166.3	178.1	207.4	262.2	393.3	737.6	1504.6	2015.3	2019.2	1336.4
80°	137.0	138.9	144.8	160.4	195.7	281.8	542.0	1132.9	1557.5	1559.4	1040.9
82.5°	113.5	115.4	121.3	131.1	152.6	209.4	389.4	866.8	1179.8	1195.5	780.7
85°	95.9	97.8	101.7	109.6	125.2	162.4	281.8	622.2	831.6	825.7	540.0
87.5°	78.3	78.3	84.1	90.0	101.7	131.1	207.4	426.5	563.5	557.6	375.7
90°	58.7	60.7	64.6	72.4	84.1	103.7	150.7	279.8	350.2	350.2	238.7
92.5°	43.0	43.0	48.9	56.7	66.5	84.1	109.6	178.1	209.4	211.3	154.6
95°	31.3	31.3	35.2	39.1	50.9	66.5	80.2	109.6	129.1	125.2	105.7
97.5°	25.4	25.4	27.4	31.3	39.1	52.8	62.6	78.3	86.1	86.1	78.3
100°	21.5	21.5	23.5	23.5	31.3	43.0	50.9	56.7	62.6	64.6	62.6
102.5°	17.6	19.6	19.6	19.6	25.4	37.2	41.1	45.0	48.9	48.9	48.9
105°	15.7	15.7	17.6	17.6	21.5	31.3	35.2	37.2	39.1	39.1	39.1
107.5°	13.7	13.7	15.7	15.7	19.6	27.4	29.3	29.3	31.3	31.3	31.3
110°	13.7	13.7	13.7	13.7	17.6	23.5	23.5	23.5	23.5	23.5	25.4

REPORT NUMBER: P695581

CATALOG NUMBER: LXF.LXT-PA16-60-727-U-T2R-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
112.5°	11.7	11.7	13.7	13.7	15.7	21.5	21.5	19.6	19.6	19.6	23.5
115°	11.7	11.7	11.7	13.7	15.7	17.6	17.6	17.6	17.6	17.6	19.6
117.5°	11.7	11.7	11.7	13.7	13.7	17.6	15.7	15.7	15.7	15.7	17.6
120°	11.7	11.7	11.7	11.7	13.7	15.7	15.7	13.7	13.7	13.7	15.7
122.5°	11.7	11.7	11.7	11.7	13.7	13.7	13.7	11.7	11.7	11.7	15.7
125°	11.7	11.7	13.7	13.7	13.7	13.7	13.7	11.7	11.7	11.7	13.7
127.5°	13.7	13.7	13.7	13.7	11.7	13.7	11.7	11.7	11.7	11.7	13.7
130°	15.7	15.7	15.7	13.7	11.7	11.7	11.7	11.7	11.7	11.7	13.7
132.5°	15.7	15.7	15.7	13.7	11.7	11.7	9.8	9.8	11.7	11.7	11.7
135°	15.7	15.7	13.7	11.7	11.7	9.8	9.8	9.8	9.8	9.8	11.7
137.5°	13.7	13.7	13.7	11.7	9.8	9.8	7.8	7.8	9.8	9.8	9.8
140°	11.7	11.7	11.7	9.8	7.8	7.8	5.9	5.9	7.8	7.8	7.8
142.5°	9.8	9.8	9.8	7.8	7.8	5.9	5.9	5.9	5.9	5.9	7.8
145°	7.8	7.8	7.8	5.9	5.9	5.9	3.9	3.9	5.9	5.9	5.9
147.5°	5.9	5.9	5.9	5.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
150°	5.9	5.9	5.9	3.9	3.9	3.9	2.0	3.9	3.9	3.9	3.9
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

REPORT NUMBER: P695581
 CATALOG NUMBER: LXF.LXT-PA16-60-727-U-T2R-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	185.9	185.9	185.9	185.9	185.9	185.9	185.9	185.9	185.9	185.9	185.9
2.5°	185.9	183.9	180.0	178.1	174.1	172.2	170.2	168.3	170.2	168.3	168.3
5°	187.8	183.9	176.1	168.3	162.4	158.5	154.6	150.7	150.7	148.7	146.7
7.5°	191.7	185.9	172.2	162.4	150.7	142.8	137.0	133.1	131.1	129.1	129.1
10°	201.5	191.7	174.1	156.5	142.8	131.1	123.3	119.4	115.4	115.4	115.4
12.5°	221.1	209.4	182.0	156.5	137.0	123.3	113.5	109.6	109.6	109.6	109.6
15°	254.4	234.8	199.6	166.3	138.9	119.4	113.5	115.4	119.4	123.3	121.3
17.5°	295.5	272.0	223.1	180.0	146.7	129.1	125.2	131.1	137.0	140.9	142.8
20°	346.3	311.1	248.5	193.7	160.4	148.7	144.8	150.7	158.5	164.4	164.4
22.5°	412.8	365.9	281.8	213.3	180.0	168.3	164.4	170.2	180.0	185.9	185.9
25°	497.0	432.4	322.8	238.7	201.5	183.9	183.9	191.7	205.4	213.3	215.2
27.5°	590.9	502.9	360.0	270.0	225.0	201.5	203.5	219.1	234.8	246.5	246.5
30°	692.6	587.0	403.1	297.4	242.6	219.1	221.1	240.7	262.2	277.8	275.9
32.5°	814.0	675.0	448.1	324.8	260.2	232.8	238.7	268.1	293.5	313.1	311.1
35°	937.2	751.3	477.4	350.2	275.9	244.6	254.4	291.5	320.9	338.5	338.5
37.5°	1033.1	814.0	495.0	363.9	289.6	254.4	266.1	307.2	338.5	354.1	352.2
40°	1066.4	814.0	481.3	365.9	295.5	262.2	275.9	315.0	342.4	352.2	346.3
42.5°	1117.2	829.6	461.8	354.1	297.4	268.1	279.8	315.0	332.6	334.6	330.7
45°	1189.6	855.0	448.1	346.3	293.5	270.0	279.8	309.1	330.7	336.5	332.6
47.5°	1281.6	880.5	432.4	342.4	293.5	270.0	279.8	315.0	336.5	336.5	332.6
50°	1399.0	921.6	424.6	344.4	299.4	272.0	285.7	322.8	342.4	338.5	336.5
52.5°	1489.0	931.4	410.9	350.2	305.2	275.9	291.5	330.7	348.3	340.5	338.5
55°	1606.4	954.8	395.2	350.2	315.0	285.7	299.4	338.5	352.2	342.4	340.5
57.5°	1727.7	980.3	393.3	348.3	318.9	293.5	307.2	344.4	356.1	348.3	346.3
60°	1761.0	950.9	381.5	354.1	320.9	301.3	313.1	350.2	367.8	363.9	363.9
62.5°	1788.4	927.4	367.8	352.2	326.8	301.3	318.9	360.0	387.4	387.4	387.4
65°	1768.8	882.4	352.2	344.4	324.8	303.3	326.8	371.8	399.2	407.0	408.9
67.5°	1686.6	819.8	336.5	332.6	315.0	303.3	328.7	371.8	405.0	416.8	416.8
70°	1510.5	716.1	309.1	309.1	301.3	291.5	322.8	365.9	393.3	407.0	407.0
72.5°	1265.9	592.9	268.1	277.8	275.9	273.9	307.2	346.3	363.9	375.7	373.7
75°	1007.7	477.4	232.8	236.8	240.7	246.5	281.8	313.1	318.9	328.7	326.8
77.5°	790.5	381.5	197.6	201.5	205.4	219.1	252.4	272.0	275.9	281.8	279.8
80°	618.3	313.1	170.2	170.2	176.1	189.8	217.2	234.8	242.6	246.5	240.7
82.5°	481.3	256.3	150.7	144.8	150.7	162.4	183.9	199.6	205.4	205.4	203.5
85°	342.4	205.4	133.1	125.2	127.2	138.9	158.5	168.3	172.2	170.2	166.3
87.5°	250.4	168.3	117.4	105.7	107.6	123.3	137.0	142.8	144.8	146.7	142.8
90°	176.1	135.0	101.7	88.0	88.0	103.7	117.4	119.4	121.3	121.3	119.4
92.5°	125.2	105.7	84.1	72.4	72.4	86.1	95.9	93.9	95.9	93.9	90.0
95°	92.0	82.2	70.4	58.7	56.7	66.5	70.4	68.5	70.4	68.5	68.5
97.5°	72.4	66.5	58.7	48.9	45.0	50.9	52.8	52.8	56.7	52.8	52.8
100°	58.7	54.8	50.9	41.1	37.2	41.1	43.0	45.0	47.0	45.0	45.0
102.5°	48.9	47.0	43.0	37.2	33.3	35.2	37.2	39.1	41.1	41.1	39.1
105°	39.1	39.1	37.2	31.3	29.3	29.3	31.3	33.3	37.2	37.2	37.2
107.5°	31.3	33.3	31.3	27.4	25.4	25.4	27.4	29.3	31.3	33.3	33.3
110°	27.4	27.4	27.4	23.5	23.5	23.5	23.5	25.4	29.3	31.3	31.3

REPORT NUMBER: P695581

CATALOG NUMBER: LXF.LXT-PA16-60-727-U-T2R-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	23.5	23.5	23.5	21.5	21.5	21.5	21.5	21.5	25.4	27.4	29.3
115°	21.5	21.5	21.5	19.6	19.6	19.6	19.6	19.6	23.5	25.4	25.4
117.5°	19.6	19.6	19.6	17.6	17.6	17.6	17.6	17.6	19.6	23.5	23.5
120°	17.6	17.6	17.6	15.7	15.7	15.7	15.7	15.7	17.6	21.5	21.5
122.5°	15.7	15.7	15.7	15.7	13.7	13.7	13.7	13.7	15.7	19.6	19.6
125°	13.7	15.7	13.7	13.7	13.7	13.7	11.7	13.7	15.7	17.6	17.6
127.5°	13.7	13.7	13.7	13.7	11.7	11.7	11.7	11.7	13.7	15.7	15.7
130°	13.7	13.7	13.7	11.7	11.7	9.8	9.8	11.7	11.7	13.7	13.7
132.5°	11.7	11.7	11.7	11.7	9.8	9.8	9.8	9.8	11.7	11.7	11.7
135°	11.7	11.7	9.8	9.8	9.8	7.8	7.8	7.8	9.8	11.7	11.7
137.5°	9.8	9.8	9.8	9.8	7.8	7.8	7.8	7.8	9.8	9.8	9.8
140°	7.8	7.8	7.8	7.8	7.8	5.9	5.9	5.9	7.8	7.8	7.8
142.5°	7.8	7.8	7.8	5.9	5.9	5.9	5.9	5.9	7.8	7.8	7.8
145°	5.9	5.9	5.9	5.9	3.9	3.9	3.9	5.9	5.9	5.9	5.9
147.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	5.9	5.9	5.9
150°	3.9	3.9	3.9	3.9	2.0	2.0	2.0	3.9	3.9	3.9	3.9
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)