

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: P695594

Luminaire Tested: **LXF.LXT-PA16-60-727-U-T3-TL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695594
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-20)
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-T3-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1160mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5373 lumens
Efficiency: N/A
Efficacy: 86.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Medium
BUG Rating: B1 - U3 - G3

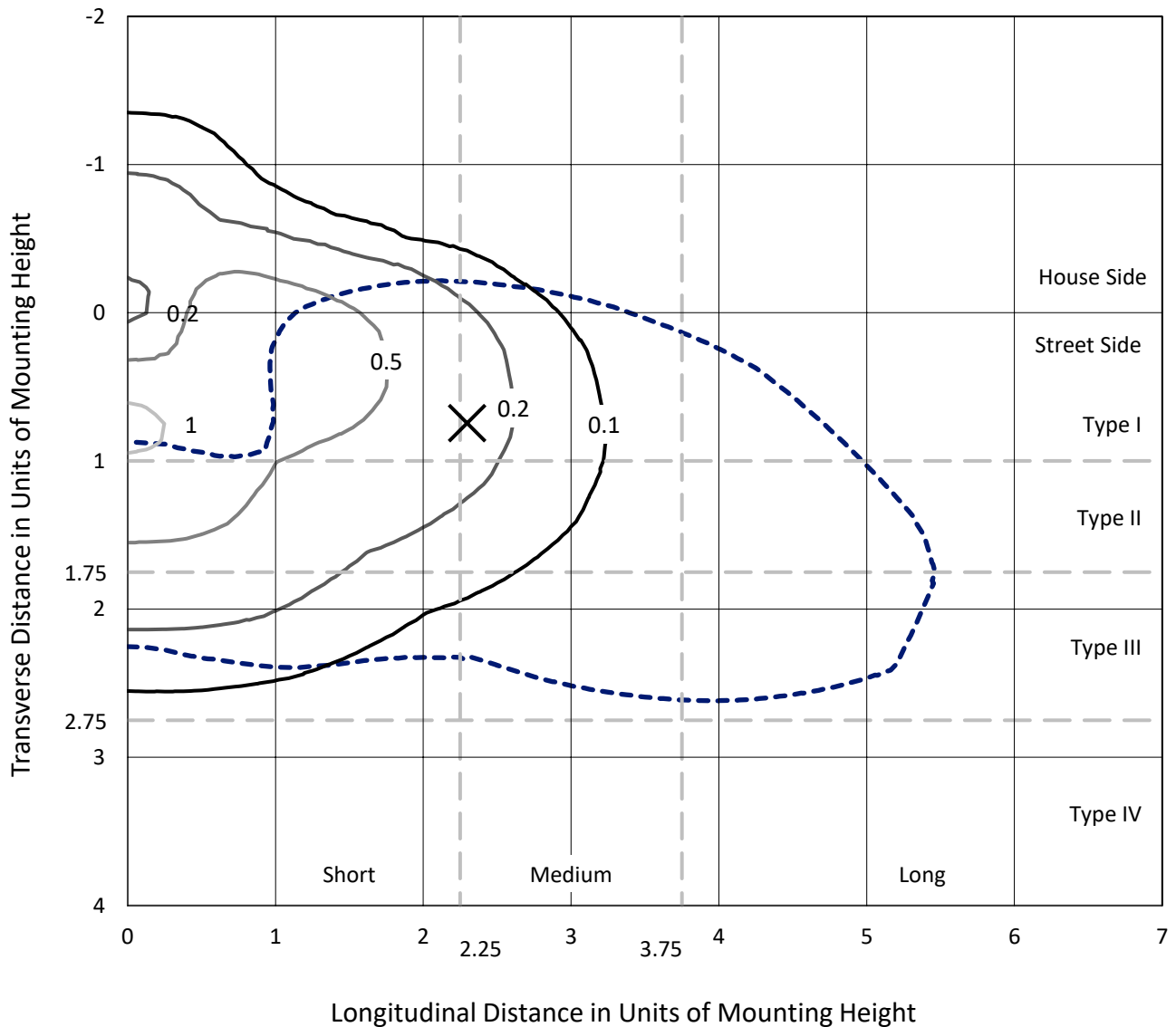
Input Watts (W): 62
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P695594
 CATALOG NUMBER: LXF.LXT-PA16-60-727-U-T3-TL

Iso-Footcandle Lines of Horizontal Illumination

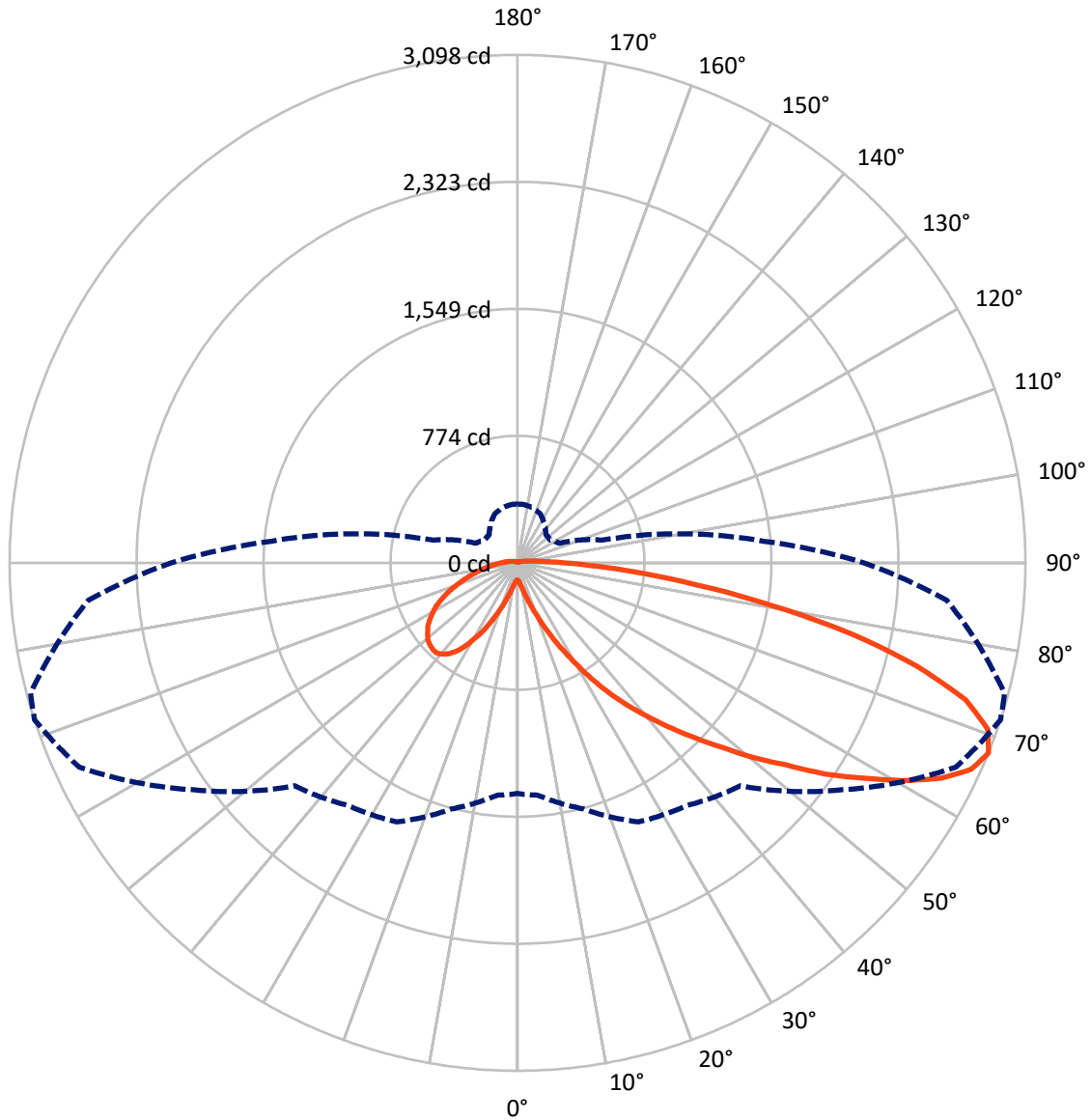
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P695594
CATALOG NUMBER: LXF.LXT-PA16-60-727-U-T3-TL

Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P695594
 CATALOG NUMBER: LXF.LXT-PA16-60-727-U-T3-TL

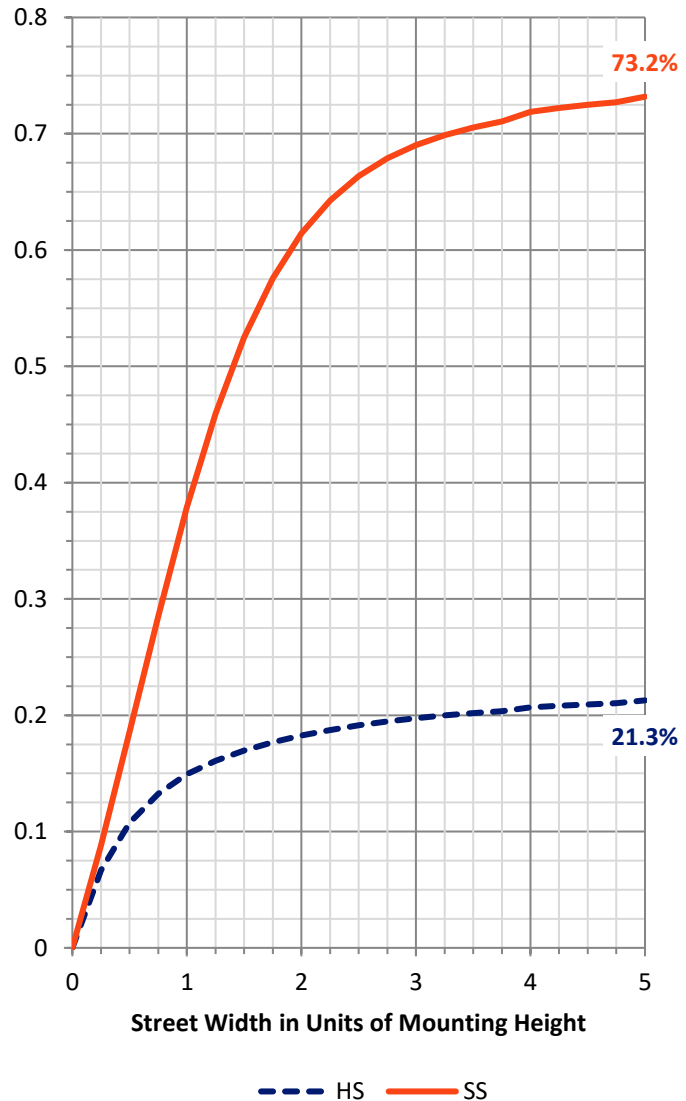
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1200.2	90.1	1290.3
	% Fixture	22.3	1.7	24.0
Street Side	Lumens	3999.7	83.0	4082.7
	% Fixture	74.4	1.5	76.0
Total	Lumens	5199.9	173.1	5373.0
	% Fixture	96.8	3.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.0	0.2
10°-20°	63.4	1.2
20°-30°	203.4	3.8
30°-40°	454.8	8.5
40°-50°	758.2	14.1
50°-60°	1103.7	20.5
60°-70°	1322.8	24.6
70°-80°	949.7	17.7
80°-90°	331.9	6.2
90°-100°	90.8	1.7
100°-110°	38.9	0.7
110°-120°	20.1	0.4
120°-130°	11.9	0.2
130°-140°	7.3	0.1
140°-150°	3.8	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5199.9	96.8
0°-180°	5373.0	100.0

Coefficient of Utilization

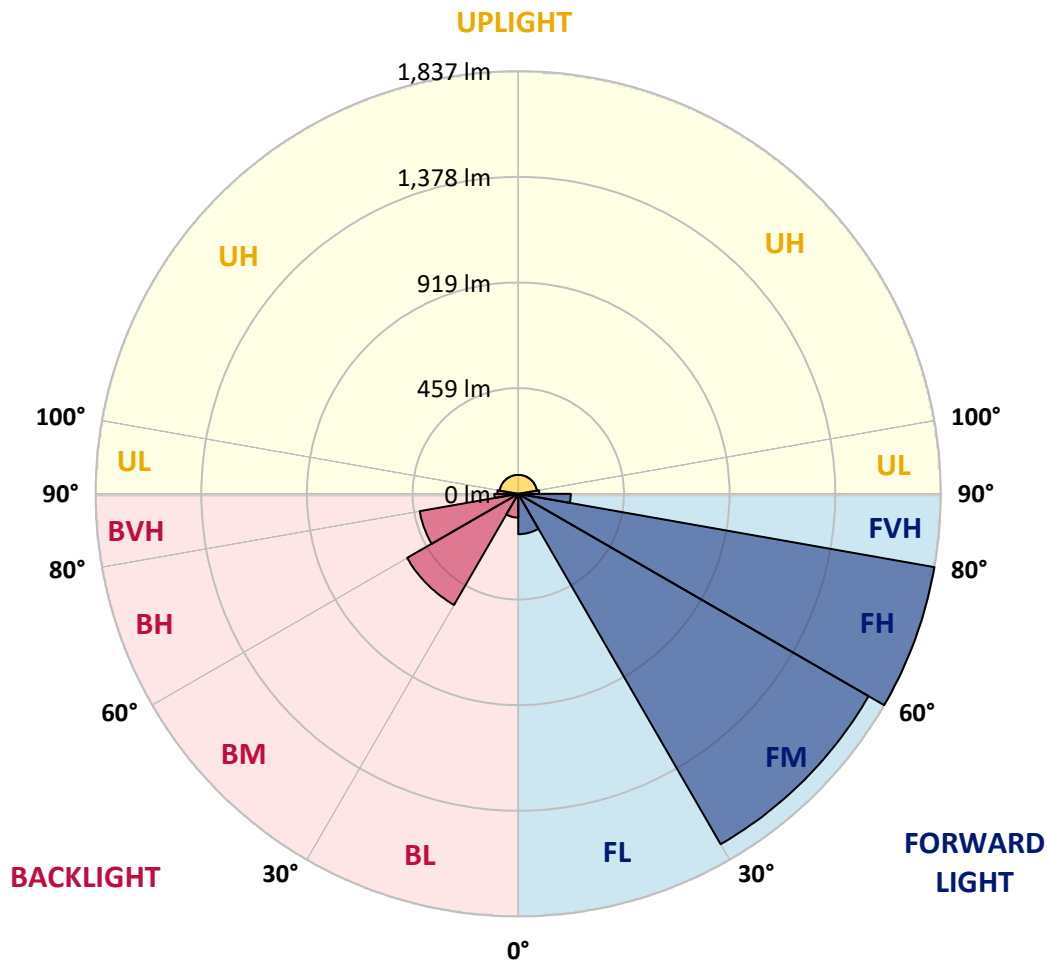


REPORT NUMBER: P695594
 CATALOG NUMBER: LXF.LXT-PA16-60-727-U-T3-TL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	175.3	3.3			
FM (30°-60°)	1759.0	32.7			
FH (60°-80°)	1837.3	34.2			G2/5000
FVH (80°-90°)	228.1	4.2			G3/500
BL (0°-30°)	103.5	1.9	B0/110		
BM (30°-60°)	557.8	10.4	B1/1000		
BH (60°-80°)	435.2	8.1	B1/500		G1/500
BVH (80°-90°)	103.7	1.9			G2/225
UL (90°-100°)	90.8	1.7		U3/500	
UH (100°-180°)	82.3	1.5		U3/500	

BUG Rating: B1-U3-G3
 Type III Medium



REPORT NUMBER: P695594
 CATALOG NUMBER: LXF.LXT-PA16-60-727-U-T3-TL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	105.7	105.7	105.7	105.7	105.7	105.7	105.7	105.7	105.7	105.7	105.7
2.5°	111.5	111.5	111.5	113.5	111.5	111.5	111.5	109.6	109.6	109.6	107.6
5°	129.1	129.1	127.2	127.2	125.2	125.2	123.3	121.3	119.4	117.4	115.4
7.5°	150.7	150.7	148.7	148.7	146.8	142.8	140.9	137.0	135.0	133.1	131.1
10°	183.9	182.0	182.0	180.0	176.1	172.2	168.3	162.4	158.5	156.5	152.6
12.5°	227.0	225.0	223.1	215.2	211.3	205.5	199.6	195.7	191.8	187.8	182.0
15°	281.8	279.8	273.9	268.1	254.4	248.5	240.7	238.7	234.8	232.8	223.1
17.5°	348.3	342.4	338.5	324.8	311.1	297.4	293.5	289.6	287.6	285.7	279.8
20°	430.5	424.6	416.8	391.3	375.7	360.0	350.2	352.2	350.2	350.2	344.4
22.5°	530.3	532.2	510.7	477.4	442.2	422.6	418.7	424.6	428.5	432.4	420.7
25°	651.6	649.6	616.4	571.4	526.4	499.0	495.0	506.8	520.5	528.3	518.5
27.5°	786.6	776.8	743.5	677.0	620.3	579.2	581.1	606.6	620.3	626.1	618.3
30°	927.5	923.6	874.6	794.4	712.2	661.4	669.2	706.4	731.8	745.5	725.9
32.5°	1080.1	1068.4	1011.6	917.7	810.1	747.5	765.1	817.9	859.0	860.9	851.2
35°	1224.9	1224.9	1158.4	1044.9	911.8	837.5	859.0	945.1	986.2	997.9	976.4
37.5°	1367.7	1357.9	1301.2	1160.3	1013.6	925.5	954.9	1056.6	1113.4	1125.1	1097.7
40°	1487.1	1485.1	1420.6	1287.5	1105.5	1011.6	1050.7	1176.0	1242.5	1262.1	1217.1
42.5°	1608.4	1600.6	1549.7	1399.0	1215.1	1099.7	1152.5	1305.1	1379.5	1391.2	1344.3
45°	1698.4	1692.5	1655.4	1516.4	1318.8	1193.6	1260.1	1434.3	1526.2	1538.0	1465.6
47.5°	1784.5	1784.5	1753.2	1637.8	1426.4	1299.2	1383.4	1586.9	1682.8	1702.3	1620.1
50°	1868.6	1860.8	1853.0	1753.2	1536.0	1416.6	1504.7	1747.3	1866.7	1886.3	1772.8
52.5°	1917.6	1929.3	1939.1	1870.6	1659.3	1528.2	1651.5	1921.5	2046.7	2074.1	1950.8
55°	1962.6	1956.7	2001.7	1956.7	1764.9	1651.5	1815.8	2121.1	2271.7	2281.5	2142.6
57.5°	1960.6	1966.5	2033.0	2036.9	1868.6	1764.9	1970.4	2318.7	2475.2	2508.5	2318.7
60°	1913.7	1929.3	2015.4	2056.5	1950.8	1866.7	2130.8	2526.1	2696.3	2729.6	2492.8
62.5°	1817.8	1823.6	1946.9	2036.9	1974.3	1945.0	2273.7	2717.9	2894.0	2892.0	2625.9
65°	1637.8	1647.5	1778.6	1925.4	1931.3	1964.5	2371.5	2874.4	3038.8	3027.0	2668.9
67.5°	1406.9	1422.5	1553.6	1743.4	1806.0	1923.4	2412.6	2948.7	3097.5	3074.0	2627.8
70°	1117.3	1156.4	1260.1	1459.7	1620.1	1792.3	2357.8	2929.2	3042.7	3011.4	2459.6
72.5°	821.8	839.4	949.0	1144.7	1342.3	1598.6	2179.8	2766.8	2858.7	2784.4	2195.4
75°	577.2	583.1	675.1	843.3	1056.6	1334.5	1911.7	2451.7	2516.3	2443.9	1831.5
77.5°	356.1	367.9	440.3	579.2	776.8	1064.4	1555.6	2042.8	2083.9	1990.0	1428.4
80°	219.2	227.0	277.9	383.5	540.0	776.8	1203.4	1551.7	1565.4	1500.8	1021.4
82.5°	140.9	148.7	182.0	246.5	360.0	542.0	847.3	1105.5	1097.7	1029.2	688.8
85°	92.0	97.8	119.4	164.4	238.7	373.7	565.5	733.8	716.2	665.3	448.1
87.5°	60.7	64.6	84.1	115.4	164.4	248.5	363.9	444.2	434.4	401.1	279.8
90°	41.1	43.0	58.7	80.2	115.4	170.2	234.8	268.1	250.5	236.8	182.0
92.5°	29.4	33.3	43.0	60.7	88.1	121.3	152.6	166.3	156.5	150.7	123.3
95°	23.5	23.5	35.2	48.9	68.5	92.0	107.6	107.6	101.7	99.8	90.0
97.5°	19.6	19.6	29.4	41.1	56.7	72.4	78.3	76.3	72.4	74.4	68.5
100°	15.7	17.6	25.4	35.2	47.0	58.7	60.7	56.7	54.8	54.8	52.8
102.5°	13.7	15.7	23.5	31.3	41.1	48.9	50.9	47.0	43.0	43.0	41.1
105°	13.7	13.7	19.6	27.4	35.2	41.1	41.1	37.2	35.2	33.3	31.3
107.5°	11.7	11.7	17.6	25.4	31.3	35.2	35.2	31.3	27.4	27.4	25.4
110°	9.8	11.7	15.7	21.5	27.4	31.3	31.3	27.4	23.5	21.5	21.5

REPORT NUMBER: P695594
 CATALOG NUMBER: LXF.LXT-PA16-60-727-U-T3-TL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	9.8	9.8	13.7	19.6	23.5	27.4	25.4	21.5	19.6	17.6	17.6
115°	9.8	9.8	11.7	17.6	21.5	23.5	23.5	19.6	15.7	15.7	15.7
117.5°	9.8	9.8	11.7	15.7	19.6	21.5	19.6	17.6	13.7	13.7	13.7
120°	9.8	9.8	11.7	13.7	17.6	19.6	17.6	15.7	11.7	11.7	13.7
122.5°	7.8	9.8	9.8	13.7	15.7	17.6	15.7	13.7	11.7	11.7	11.7
125°	7.8	9.8	9.8	11.7	13.7	15.7	13.7	11.7	9.8	9.8	11.7
127.5°	7.8	7.8	9.8	11.7	13.7	13.7	13.7	11.7	9.8	9.8	11.7
130°	7.8	9.8	9.8	9.8	11.7	13.7	11.7	9.8	9.8	9.8	9.8
132.5°	7.8	7.8	9.8	9.8	11.7	11.7	9.8	9.8	7.8	7.8	9.8
135°	7.8	7.8	7.8	9.8	9.8	9.8	9.8	7.8	7.8	7.8	9.8
137.5°	7.8	7.8	7.8	7.8	9.8	9.8	7.8	7.8	7.8	7.8	7.8
140°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	5.9	7.8	7.8	7.8
142.5°	7.8	7.8	7.8	5.9	7.8	5.9	5.9	5.9	5.9	5.9	7.8
145°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
147.5°	5.9	5.9	5.9	5.9	5.9	5.9	3.9	3.9	5.9	5.9	5.9
150°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	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: P695594
 CATALOG NUMBER: LXF.LXT-PA16-60-727-U-T3-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	105.7	105.7	105.7	105.7	105.7	105.7	105.7	105.7	105.7	105.7	105.7
2.5°	105.7	105.7	105.7	103.7	103.7	103.7	101.7	101.7	101.7	101.7	101.7
5°	115.4	113.5	111.5	109.6	105.7	105.7	103.7	103.7	101.7	101.7	101.7
7.5°	129.1	127.2	123.3	119.4	115.4	111.5	109.6	107.6	105.7	105.7	105.7
10°	148.7	146.8	138.9	133.1	127.2	123.3	119.4	117.4	115.4	113.5	113.5
12.5°	178.1	176.1	166.3	154.6	144.8	137.0	131.1	129.1	127.2	125.2	127.2
15°	219.2	215.2	201.5	182.0	168.3	154.6	148.7	146.8	148.7	148.7	146.8
17.5°	273.9	264.2	242.6	217.2	195.7	178.1	170.2	170.2	170.2	172.2	172.2
20°	336.6	326.8	295.5	260.2	225.0	203.5	193.7	193.7	195.7	197.6	201.5
22.5°	410.9	395.3	354.2	303.3	258.3	228.9	217.2	217.2	223.1	228.9	228.9
25°	502.9	483.3	422.6	348.3	291.5	254.4	238.7	240.7	250.5	256.3	258.3
27.5°	602.7	577.2	497.0	401.1	320.9	273.9	258.3	262.2	273.9	283.7	283.7
30°	716.2	673.1	565.5	446.1	346.3	289.6	273.9	281.8	295.5	307.2	309.2
32.5°	819.9	776.8	643.8	489.2	367.9	299.4	283.7	295.5	311.1	324.8	324.8
35°	935.3	880.5	708.3	522.4	379.6	305.2	289.6	305.2	322.9	334.6	334.6
37.5°	1046.8	970.5	759.2	542.0	383.5	305.2	291.5	311.1	326.8	336.6	338.5
40°	1148.6	1058.6	796.4	547.9	379.6	301.3	291.5	311.1	326.8	332.6	334.6
42.5°	1258.2	1132.9	823.8	542.0	369.8	295.5	289.6	309.2	322.9	324.8	326.8
45°	1367.7	1215.1	831.6	522.4	356.1	287.6	283.7	303.3	315.0	315.0	315.0
47.5°	1487.1	1295.3	831.6	499.0	338.5	279.8	279.8	299.4	307.2	305.2	305.2
50°	1612.3	1371.6	825.7	471.6	322.9	272.0	273.9	295.5	303.3	297.4	297.4
52.5°	1743.4	1453.8	806.2	438.3	305.2	264.2	272.0	293.5	301.3	295.5	295.5
55°	1901.9	1534.1	784.6	407.0	289.6	258.3	270.0	293.5	301.3	295.5	295.5
57.5°	2013.4	1604.5	751.4	377.6	277.9	254.4	270.0	297.4	305.2	301.3	301.3
60°	2142.6	1651.5	708.3	348.3	266.1	250.5	273.9	301.3	313.1	313.1	313.1
62.5°	2213.0	1663.2	663.3	322.9	258.3	248.5	277.9	309.2	324.8	326.8	328.7
65°	2213.0	1612.3	600.7	301.3	250.5	246.5	281.8	318.9	338.5	344.4	346.3
67.5°	2113.2	1506.7	534.2	281.8	242.6	244.6	285.7	328.7	348.3	358.1	358.1
70°	1948.9	1340.3	463.7	262.2	234.8	242.6	287.6	332.6	354.2	363.9	363.9
72.5°	1678.8	1146.6	397.2	246.5	227.0	238.7	285.7	332.6	352.2	360.0	358.1
75°	1359.9	915.7	332.6	228.9	217.2	228.9	275.9	322.9	338.5	342.4	342.4
77.5°	1058.6	698.5	279.8	209.4	203.5	217.2	262.2	303.3	317.0	318.9	317.0
80°	753.3	504.8	234.8	191.8	187.8	199.6	238.7	273.9	285.7	287.6	283.7
82.5°	506.8	362.0	191.8	168.3	168.3	180.0	213.3	240.7	250.5	248.5	246.5
85°	328.7	244.6	156.5	144.8	146.8	158.5	182.0	203.5	209.4	207.4	201.5
87.5°	215.2	172.2	125.2	123.3	125.2	135.0	152.6	164.4	172.2	168.3	166.3
90°	146.8	123.3	101.7	101.7	105.7	113.5	125.2	131.1	133.1	133.1	131.1
92.5°	107.6	95.9	84.1	84.1	90.0	95.9	101.7	103.7	107.6	105.7	103.7
95°	82.2	78.3	70.4	70.4	76.3	82.2	84.1	82.2	86.1	86.1	84.1
97.5°	64.6	64.6	60.7	60.7	64.6	68.5	70.4	68.5	70.4	68.5	68.5
100°	50.9	50.9	52.8	52.8	54.8	58.7	58.7	58.7	58.7	56.7	54.8
102.5°	41.1	43.0	45.0	47.0	48.9	48.9	50.9	48.9	48.9	45.0	45.0
105°	33.3	33.3	37.2	39.1	41.1	43.0	43.0	43.0	41.1	37.2	37.2
107.5°	27.4	29.4	31.3	35.2	35.2	37.2	39.1	37.2	33.3	29.4	31.3
110°	21.5	23.5	27.4	29.4	31.3	33.3	33.3	31.3	27.4	25.4	25.4

REPORT NUMBER: P695594
 CATALOG NUMBER: LXF.LXT-PA16-60-727-U-T3-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	19.6	19.6	23.5	25.4	27.4	29.4	29.4	27.4	23.5	21.5	21.5
115°	17.6	17.6	19.6	21.5	23.5	25.4	25.4	23.5	19.6	17.6	17.6
117.5°	15.7	15.7	17.6	19.6	21.5	23.5	21.5	21.5	17.6	15.7	15.7
120°	13.7	15.7	15.7	17.6	19.6	19.6	19.6	17.6	15.7	15.7	15.7
122.5°	13.7	13.7	15.7	15.7	17.6	17.6	17.6	15.7	13.7	13.7	13.7
125°	11.7	13.7	13.7	13.7	15.7	15.7	15.7	13.7	11.7	11.7	11.7
127.5°	11.7	11.7	11.7	13.7	13.7	13.7	13.7	11.7	11.7	11.7	11.7
130°	11.7	11.7	11.7	11.7	11.7	13.7	11.7	11.7	9.8	11.7	11.7
132.5°	9.8	9.8	9.8	11.7	11.7	11.7	11.7	9.8	9.8	9.8	9.8
135°	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
137.5°	9.8	9.8	9.8	9.8	9.8	9.8	7.8	7.8	7.8	9.8	9.8
140°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
142.5°	7.8	7.8	7.8	5.9	5.9	5.9	5.9	5.9	5.9	7.8	7.8
145°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
147.5°	5.9	5.9	5.9	3.9	3.9	3.9	3.9	5.9	5.9	5.9	5.9
150°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	5.9	5.9	5.9
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)