

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: P695579

Luminaire Tested: **LXF.LXT-PA16-60-727-U-SL3-TL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695579
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-30)
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-SL3-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1160mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5158 lumens
Efficiency: N/A
Efficacy: 83.2 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 - G3

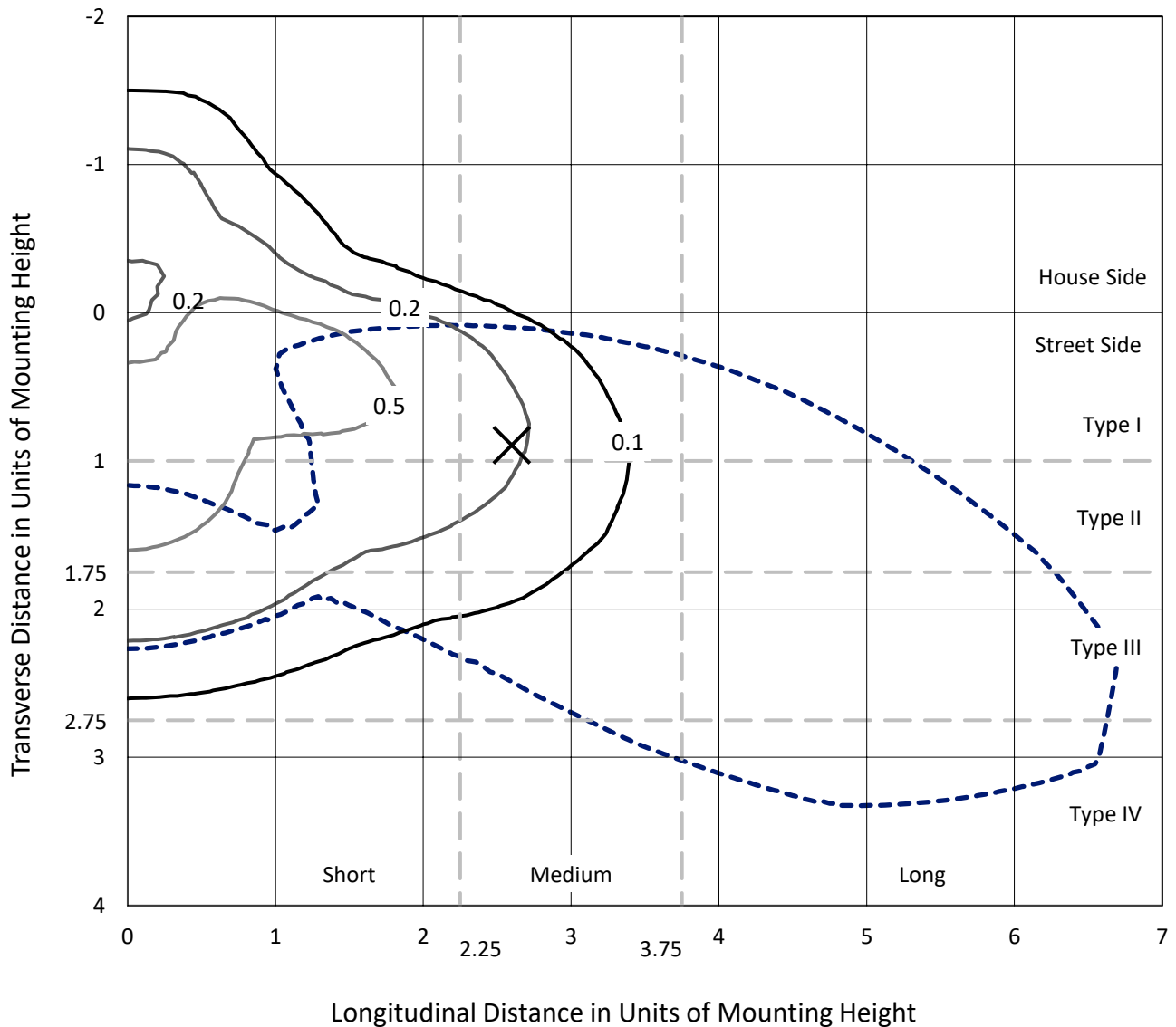
Input Watts (W): 62
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P695579
 CATALOG NUMBER: LXF.LXT-PA16-60-727-U-SL3-TL

Iso-Footcandle Lines of Horizontal Illumination

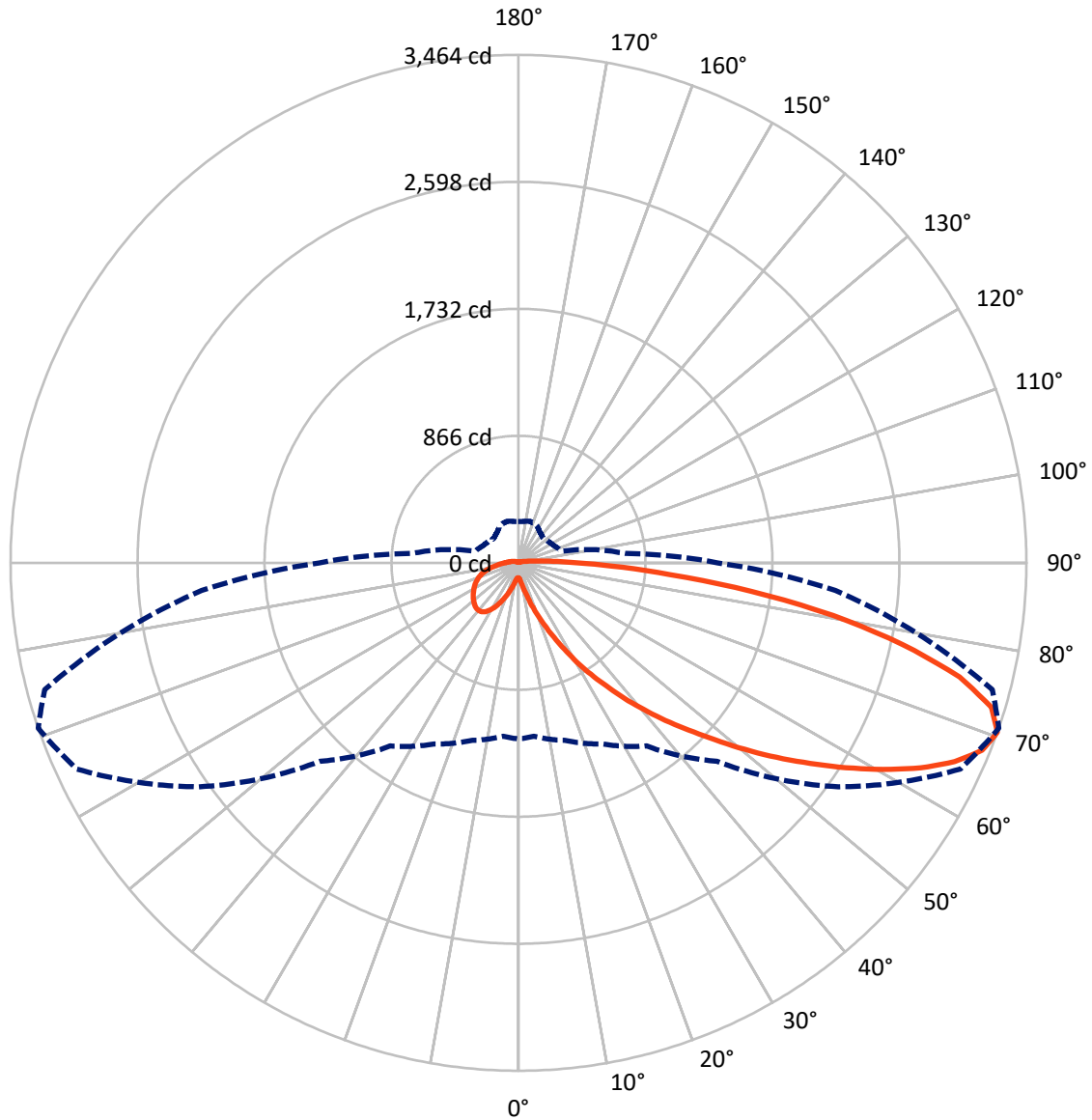
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P695579
CATALOG NUMBER: LXF.LXT-PA16-60-727-U-SL3-TL

Luminous Intensity Polar Plot



— Vertical Plane Through 71-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P695579
 CATALOG NUMBER: LXF.LXT-PA16-60-727-U-SL3-TL

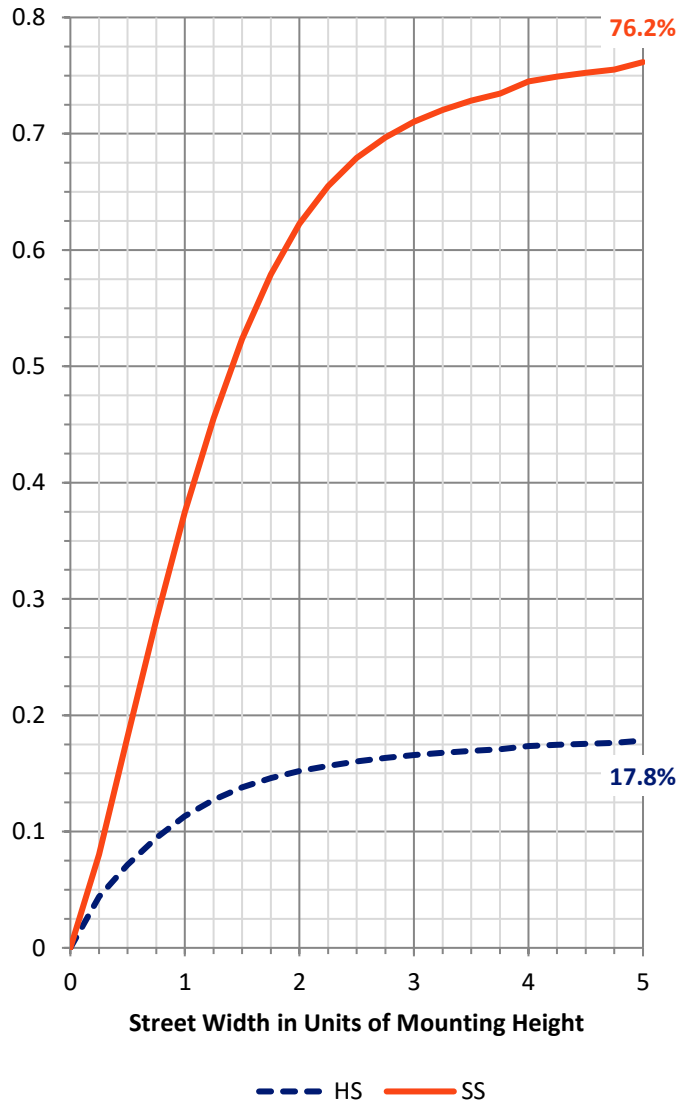
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	963.6	82.7	1046.3
	% Fixture	18.7	1.6	20.3
Street Side	Lumens	4021.5	90.1	4111.6
	% Fixture	78.0	1.7	79.7
Total	Lumens	4985.1	172.9	5158.0
	% Fixture	96.6	3.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.7	0.2
10°-20°	60.2	1.2
20°-30°	185.4	3.6
30°-40°	402.5	7.8
40°-50°	672.1	13.0
50°-60°	995.6	19.3
60°-70°	1253.0	24.3
70°-80°	1006.7	19.5
80°-90°	397.9	7.7
90°-100°	95.9	1.9
100°-110°	37.7	0.7
110°-120°	18.8	0.4
120°-130°	10.7	0.2
130°-140°	6.4	0.1
140°-150°	3.2	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4985.1	96.6
0°-180°	5158.0	100.0

Coefficient of Utilization

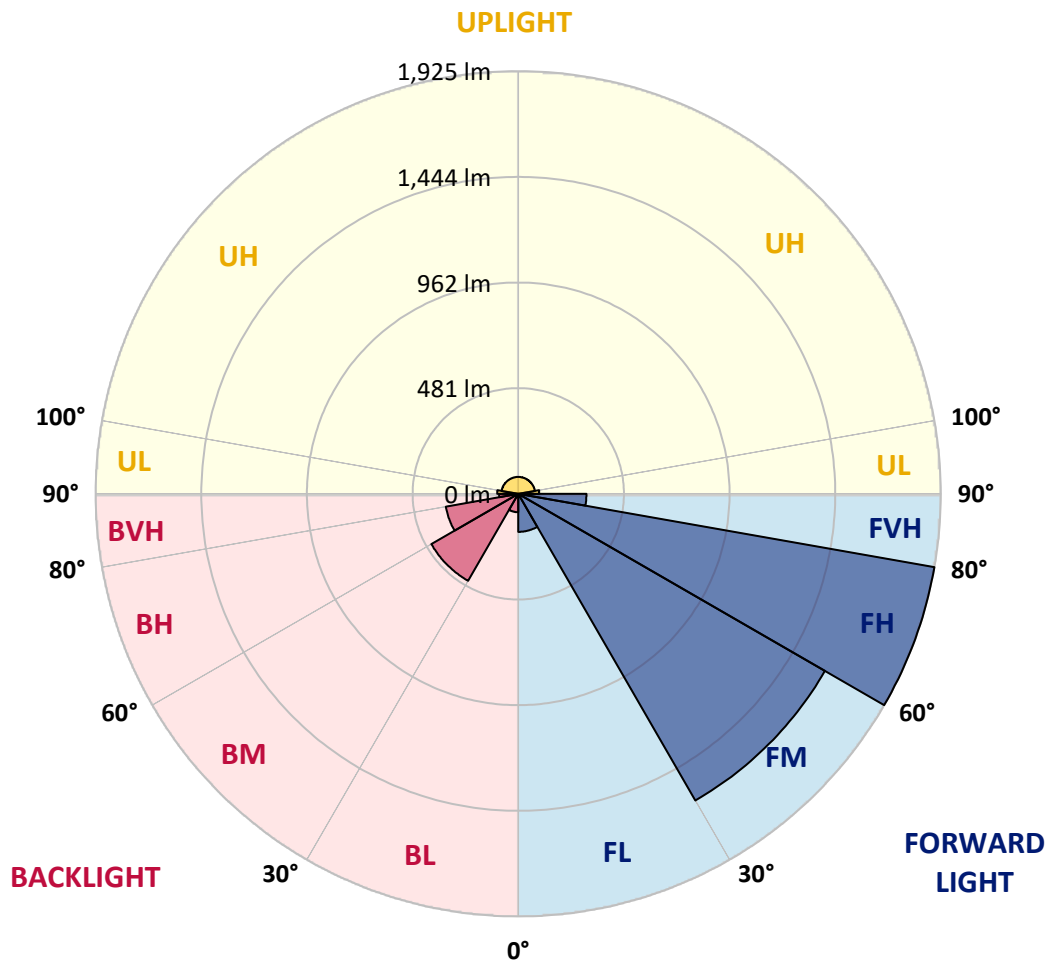


REPORT NUMBER: P695579
 CATALOG NUMBER: LXF.LXT-PA16-60-727-U-SL3-TL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	173.4	3.4			
FM (30°-60°)	1612.8	31.3			
FH (60°-80°)	1924.7	37.3			G2/5000
FVH (80°-90°)	310.6	6.0			G3/500
BL (0°-30°)	83.9	1.6	B0/110		
BM (30°-60°)	457.4	8.9	B1/1000		
BH (60°-80°)	335.0	6.5	B1/500		G1/500
BVH (80°-90°)	87.3	1.7			G1/100
UL (90°-100°)	95.9	1.9		U3/500	
UH (100°-180°)	76.9	1.5		U3/500	

BUG Rating: B1-U3-G3
 Type IV Medium



REPORT NUMBER: P695579

CATALOG NUMBER: LXF.LXT-PA16-60-727-U-SL3-TL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
0°	103.7	103.7	103.7	103.7	103.7	103.7	103.7	103.7	103.7	103.7	103.7
2.5°	113.5	113.5	113.5	113.5	113.5	111.6	109.6	109.6	107.6	107.6	105.7
5°	135.0	135.0	133.1	133.1	131.1	129.2	127.2	123.3	121.3	119.4	115.5
7.5°	160.5	158.5	156.6	156.6	156.6	152.7	148.7	144.8	140.9	137.0	131.1
10°	191.8	189.8	189.8	187.9	185.9	184.0	180.1	174.2	168.3	166.4	156.6
12.5°	229.0	227.0	229.0	227.0	221.1	221.1	219.2	211.4	207.4	203.5	189.8
15°	275.9	275.9	275.9	270.1	268.1	264.2	266.2	260.3	256.4	252.5	234.8
17.5°	334.7	334.7	330.7	324.9	317.0	317.0	319.0	319.0	321.0	309.2	285.7
20°	401.2	407.1	395.3	383.6	373.8	375.8	379.7	391.4	391.4	379.7	352.3
22.5°	487.3	481.4	475.6	452.1	436.4	432.5	448.2	467.7	469.7	467.7	424.7
25°	577.3	575.4	555.8	530.4	503.0	499.1	524.5	555.8	563.6	559.7	508.8
27.5°	673.2	673.2	653.7	608.7	569.5	563.6	595.0	649.7	667.4	669.3	598.9
30°	798.5	786.7	759.3	698.7	647.8	630.2	675.2	753.5	784.8	786.7	696.7
32.5°	906.1	906.1	867.0	798.5	724.1	694.8	749.6	865.0	906.1	902.2	792.6
35°	1027.5	1017.7	974.6	890.5	798.5	761.3	827.8	976.6	1029.4	1029.4	884.6
37.5°	1139.0	1127.3	1088.1	988.3	874.8	825.9	910.0	1088.1	1172.3	1172.3	966.8
40°	1248.6	1246.7	1197.7	1084.2	955.1	888.5	990.3	1215.3	1315.2	1307.3	1052.9
42.5°	1371.9	1364.1	1305.4	1184.0	1033.3	957.0	1074.4	1348.4	1469.8	1458.0	1135.1
45°	1503.0	1485.4	1418.9	1287.8	1105.7	1027.5	1162.5	1479.5	1626.3	1630.2	1227.1
47.5°	1622.4	1618.5	1550.0	1395.4	1199.7	1101.8	1258.4	1643.9	1802.5	1792.7	1313.2
50°	1759.4	1751.6	1669.4	1501.1	1285.8	1187.9	1366.0	1806.4	2000.1	1990.3	1426.7
52.5°	1894.4	1878.8	1792.7	1612.6	1385.6	1281.9	1487.4	1984.5	2203.7	2182.1	1540.2
55°	2009.9	2004.0	1894.4	1724.2	1495.2	1381.7	1632.2	2180.2	2415.0	2405.2	1663.5
57.5°	2103.9	2092.1	1990.3	1822.0	1595.0	1516.7	1800.5	2375.9	2636.2	2612.7	1794.6
60°	2133.2	2121.5	2019.7	1888.6	1689.0	1655.7	1990.3	2595.1	2861.2	2829.9	1925.8
62.5°	2070.6	2058.8	1978.6	1894.4	1757.5	1788.8	2199.8	2828.0	3080.4	3049.1	2053.0
65°	1867.0	1861.2	1829.9	1814.2	1769.2	1892.5	2422.9	3033.5	3268.3	3215.5	2156.7
67.5°	1561.7	1569.6	1573.5	1632.2	1696.8	1951.2	2579.4	3221.3	3411.2	3336.8	2191.9
70°	1201.6	1187.9	1254.5	1364.1	1524.6	1914.0	2663.6	3325.1	3464.0	3344.6	2168.4
72.5°	855.2	857.2	931.6	1076.4	1305.4	1792.7	2647.9	3287.9	3372.0	3233.1	2056.9
75°	591.0	587.1	643.9	786.7	1041.2	1565.7	2458.1	3113.7	3105.9	2966.9	1818.1
77.5°	397.3	409.0	450.1	557.8	790.7	1305.4	2164.5	2704.7	2677.3	2503.1	1532.4
80°	279.9	275.9	319.0	399.2	551.9	1013.8	1755.5	2209.5	2176.3	1966.9	1195.8
82.5°	187.9	197.7	225.1	275.9	395.3	747.6	1330.8	1636.1	1598.9	1428.7	837.6
85°	123.3	127.2	152.7	193.8	274.0	514.7	910.0	1103.8	1037.2	931.6	548.0
87.5°	78.3	82.2	101.8	133.1	189.8	346.4	604.7	681.1	630.2	587.1	332.7
90°	47.0	50.9	66.5	92.0	131.1	232.9	366.0	395.3	352.3	321.0	201.6
92.5°	33.3	35.2	47.0	66.5	95.9	156.6	227.0	227.0	207.4	178.1	127.2
95°	23.5	25.4	35.2	50.9	72.4	107.6	142.9	135.0	119.4	111.6	86.1
97.5°	19.6	19.6	29.4	41.1	58.7	82.2	93.9	86.1	80.2	74.4	64.6
100°	15.7	17.6	25.4	35.2	48.9	62.6	68.5	62.6	56.8	54.8	48.9
102.5°	13.7	15.7	21.5	31.3	41.1	50.9	52.8	47.0	45.0	41.1	37.2
105°	11.7	13.7	17.6	27.4	35.2	43.1	43.1	39.1	35.2	33.3	29.4
107.5°	11.7	11.7	15.7	23.5	31.3	35.2	37.2	31.3	27.4	25.4	23.5
110°	9.8	9.8	13.7	19.6	27.4	31.3	31.3	25.4	21.5	19.6	17.6

REPORT NUMBER: P695579

CATALOG NUMBER: LXF.LXT-PA16-60-727-U-SL3-TL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
112.5°	9.8	9.8	13.7	17.6	23.5	27.4	25.4	21.5	17.6	15.7	15.7
115°	9.8	9.8	11.7	15.7	21.5	23.5	21.5	17.6	15.7	13.7	13.7
117.5°	7.8	9.8	11.7	15.7	19.6	21.5	19.6	15.7	13.7	11.7	11.7
120°	7.8	7.8	9.8	13.7	15.7	17.6	17.6	13.7	11.7	9.8	11.7
122.5°	7.8	7.8	9.8	11.7	15.7	15.7	15.7	11.7	9.8	9.8	9.8
125°	7.8	7.8	9.8	11.7	13.7	13.7	13.7	9.8	9.8	7.8	9.8
127.5°	7.8	7.8	7.8	9.8	11.7	13.7	11.7	9.8	7.8	7.8	9.8
130°	7.8	7.8	7.8	9.8	11.7	11.7	9.8	7.8	7.8	7.8	7.8
132.5°	7.8	7.8	7.8	9.8	9.8	9.8	9.8	7.8	7.8	7.8	7.8
135°	7.8	7.8	7.8	7.8	9.8	9.8	7.8	7.8	5.9	5.9	7.8
137.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	5.9	5.9	5.9	7.8
140°	7.8	5.9	5.9	7.8	7.8	7.8	5.9	5.9	5.9	5.9	5.9
142.5°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	3.9	5.9	5.9	5.9
145°	5.9	5.9	5.9	5.9	5.9	5.9	3.9	3.9	3.9	3.9	5.9
147.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
150°	3.9	3.9	3.9	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: P695579

CATALOG NUMBER: LXF.LXT-PA16-60-727-U-SL3-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	103.7	103.7	103.7	103.7	103.7	103.7	103.7	103.7	103.7	103.7	103.7
2.5°	103.7	103.7	101.8	99.8	97.9	95.9	95.9	95.9	95.9	93.9	93.9
5°	111.6	109.6	105.7	101.8	97.9	93.9	92.0	90.0	88.1	88.1	86.1
7.5°	127.2	123.3	115.5	107.6	101.8	95.9	92.0	88.1	86.1	84.2	84.2
10°	150.7	144.8	131.1	119.4	109.6	99.8	93.9	90.0	88.1	86.1	86.1
12.5°	180.1	172.2	152.7	135.0	119.4	107.6	101.8	95.9	93.9	92.0	92.0
15°	223.1	207.4	182.0	156.6	135.0	119.4	111.6	109.6	107.6	107.6	107.6
17.5°	270.1	252.5	213.3	178.1	150.7	135.0	127.2	125.3	127.2	127.2	127.2
20°	326.8	301.4	248.5	203.5	170.3	154.6	148.7	146.8	150.7	152.7	154.6
22.5°	393.4	354.2	283.8	229.0	193.8	176.1	168.3	170.3	176.1	182.0	182.0
25°	467.7	418.8	322.9	254.4	217.2	197.7	191.8	199.6	207.4	215.3	217.2
27.5°	540.2	477.5	362.1	281.8	240.7	217.2	217.2	225.1	244.6	252.5	256.4
30°	616.5	532.3	393.4	309.2	264.2	238.8	240.7	258.3	279.9	291.6	295.5
32.5°	685.0	583.2	418.8	332.7	283.8	260.3	262.2	285.7	315.1	330.7	332.7
35°	753.5	620.4	440.3	354.2	301.4	275.9	283.8	315.1	346.4	364.0	366.0
37.5°	804.4	649.7	450.1	367.9	317.0	287.7	299.4	338.6	373.8	389.5	391.4
40°	851.3	667.4	454.0	377.7	326.8	299.4	313.1	358.1	393.4	409.0	409.0
42.5°	886.6	673.2	452.1	381.6	334.7	305.3	322.9	371.8	407.1	418.8	420.8
45°	923.7	679.1	444.3	381.6	336.6	309.2	326.8	377.7	412.9	420.8	420.8
47.5°	962.9	683.0	434.5	377.7	334.7	309.2	330.7	381.6	412.9	416.9	416.9
50°	1017.7	692.8	422.7	369.9	330.7	307.3	330.7	381.6	409.0	405.1	405.1
52.5°	1068.6	706.5	411.0	362.1	324.9	303.3	328.8	379.7	401.2	391.4	391.4
55°	1131.2	716.3	397.3	350.3	317.0	297.5	322.9	371.8	389.5	377.7	375.8
57.5°	1201.6	735.9	385.5	336.6	307.3	291.6	317.0	364.0	377.7	360.1	358.1
60°	1274.1	751.5	371.8	324.9	297.5	281.8	307.3	352.3	362.1	344.4	342.5
62.5°	1328.9	765.2	358.1	313.1	287.7	272.0	297.5	338.6	346.4	328.8	326.8
65°	1375.8	771.1	342.5	299.4	275.9	262.2	285.7	322.9	328.8	313.1	311.2
67.5°	1387.6	759.3	322.9	283.8	262.2	250.5	270.1	305.3	313.1	299.4	295.5
70°	1358.2	728.0	305.3	270.1	250.5	236.8	254.4	285.7	293.6	281.8	281.8
72.5°	1270.1	675.2	283.8	252.5	234.8	221.1	236.8	264.2	274.0	268.1	264.2
75°	1133.1	595.0	258.3	234.8	217.2	205.5	217.2	242.7	252.5	250.5	250.5
77.5°	937.4	506.9	230.9	211.4	199.6	187.9	199.6	219.2	230.9	232.9	230.9
80°	722.2	401.2	199.6	187.9	180.1	170.3	180.1	197.7	207.4	211.4	209.4
82.5°	520.6	305.3	168.3	164.4	158.5	154.6	158.5	172.2	185.9	187.9	187.9
85°	360.1	221.1	140.9	140.9	137.0	135.0	139.0	148.7	158.5	162.4	162.4
87.5°	232.9	158.5	113.5	117.4	119.4	117.4	119.4	123.3	133.1	137.0	135.0
90°	152.7	113.5	93.9	97.9	101.8	101.8	99.8	101.8	111.6	113.5	113.5
92.5°	101.8	86.1	80.2	82.2	86.1	88.1	86.1	86.1	92.0	93.9	92.0
95°	76.3	70.5	68.5	70.5	74.4	74.4	74.4	72.4	76.3	78.3	76.3
97.5°	58.7	56.8	58.7	60.7	64.6	64.6	64.6	62.6	64.6	64.6	62.6
100°	47.0	47.0	50.9	52.8	54.8	54.8	54.8	54.8	54.8	50.9	50.9
102.5°	37.2	39.1	43.1	47.0	47.0	48.9	47.0	47.0	45.0	43.1	41.1
105°	31.3	31.3	37.2	39.1	41.1	41.1	41.1	39.1	37.2	33.3	33.3
107.5°	23.5	25.4	31.3	33.3	35.2	35.2	35.2	33.3	31.3	27.4	27.4
110°	19.6	21.5	25.4	29.4	31.3	31.3	31.3	29.4	25.4	21.5	21.5

REPORT NUMBER: P695579

CATALOG NUMBER: LXF.LXT-PA16-60-727-U-SL3-TL

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)