

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: P696041

Luminaire Tested: **LXF.LXT-PA16-827-U-T3-A**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P696041
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-17)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-827-U-T3-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5376.9 lumens
Efficiency: N/A
Efficacy: 74.7 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

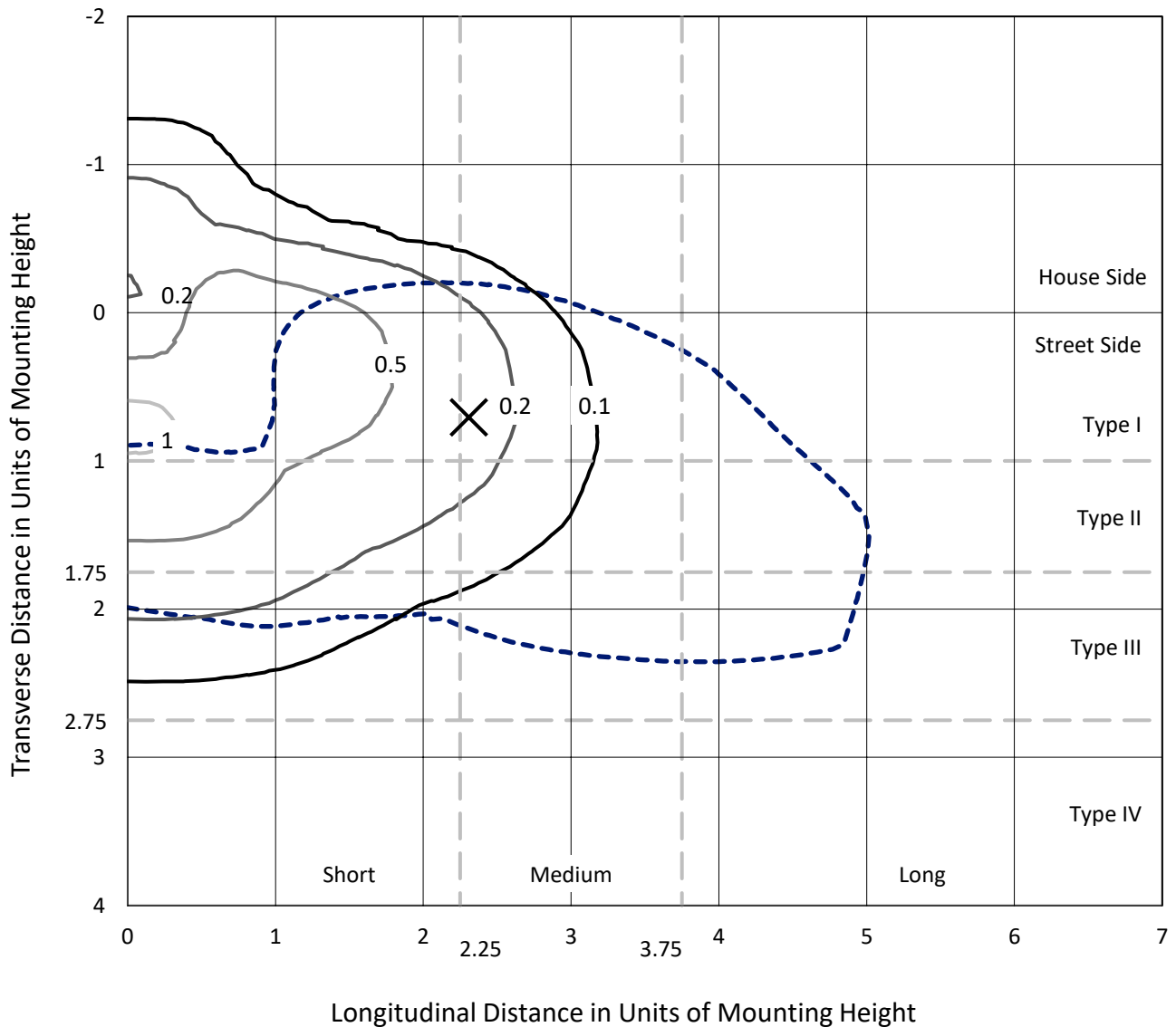
Input Watts (W): 72
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P696041
 CATALOG NUMBER: LXF.LXT-PA16-827-U-T3-A

Iso-Footcandle Lines of Horizontal Illumination

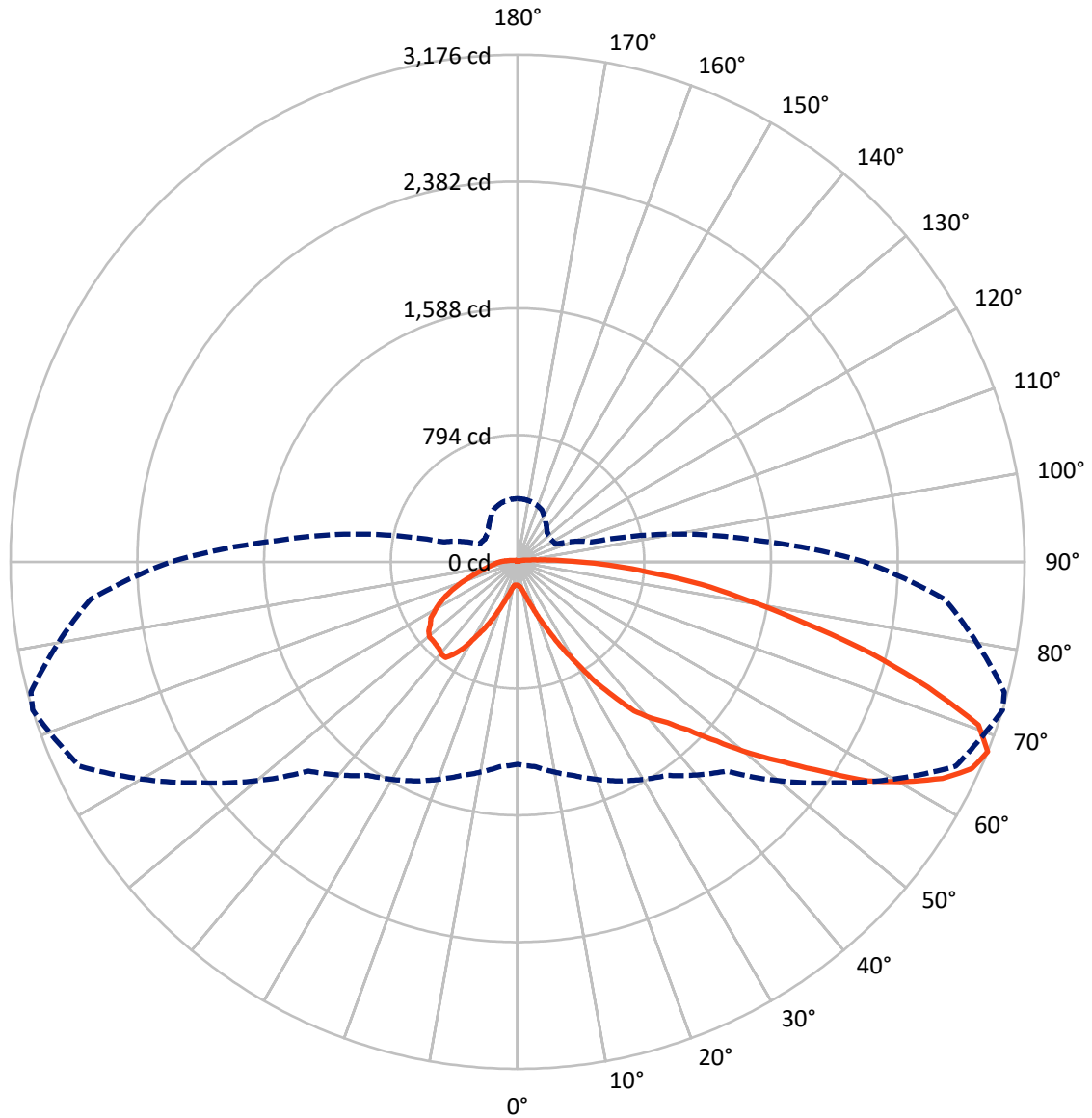
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P696041
CATALOG NUMBER: LXF.LXT-PA16-827-U-T3-A

Luminous Intensity Polar Plot



— Vertical Plane Through 73-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P696041
 CATALOG NUMBER: LXF.LXT-PA16-827-U-T3-A

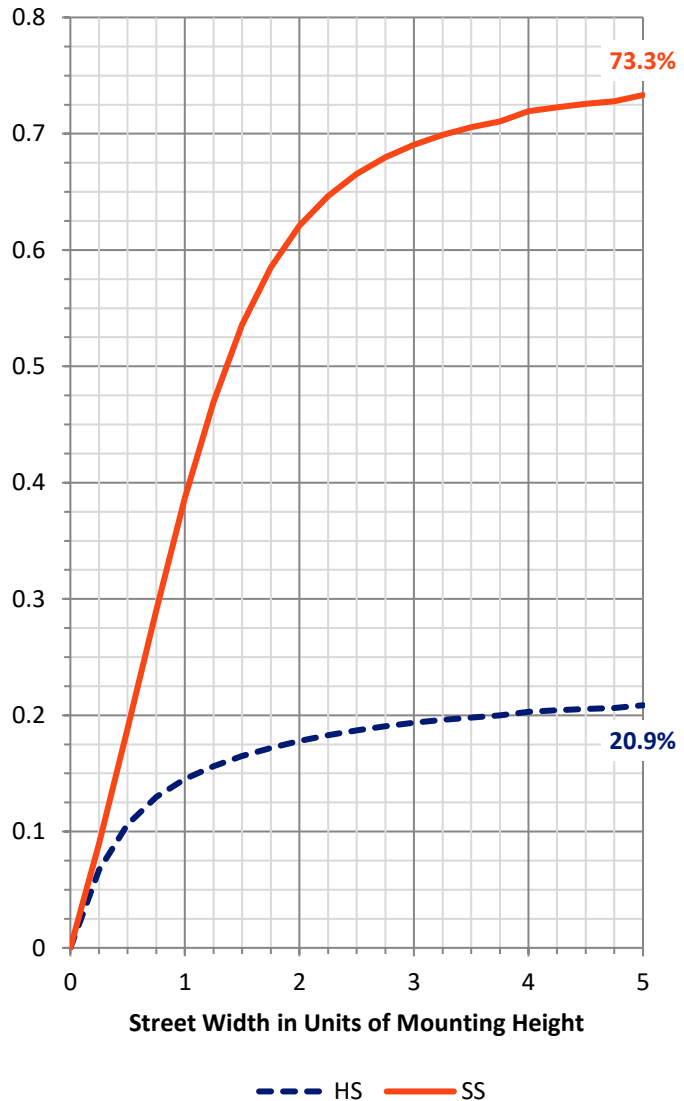
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1176.7	87.9	1264.6
	% Fixture	21.9	1.6	23.5
Street Side	Lumens	4022.3	90.0	4112.4
	% Fixture	74.8	1.7	76.5
Total	Lumens	5199.0	177.9	5376.9
	% Fixture	96.7	3.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.1	0.3
10°-20°	66.1	1.2
20°-30°	203.4	3.8
30°-40°	468.3	8.7
40°-50°	758.8	14.1
50°-60°	1125.6	20.9
60°-70°	1310.7	24.4
70°-80°	900.3	16.7
80°-90°	350.7	6.5
90°-100°	99.5	1.9
100°-110°	36.4	0.7
110°-120°	18.7	0.3
120°-130°	11.7	0.2
130°-140°	7.8	0.1
140°-150°	3.6	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5199.0	96.7
0°-180°	5376.9	100.0

Coefficient of Utilization

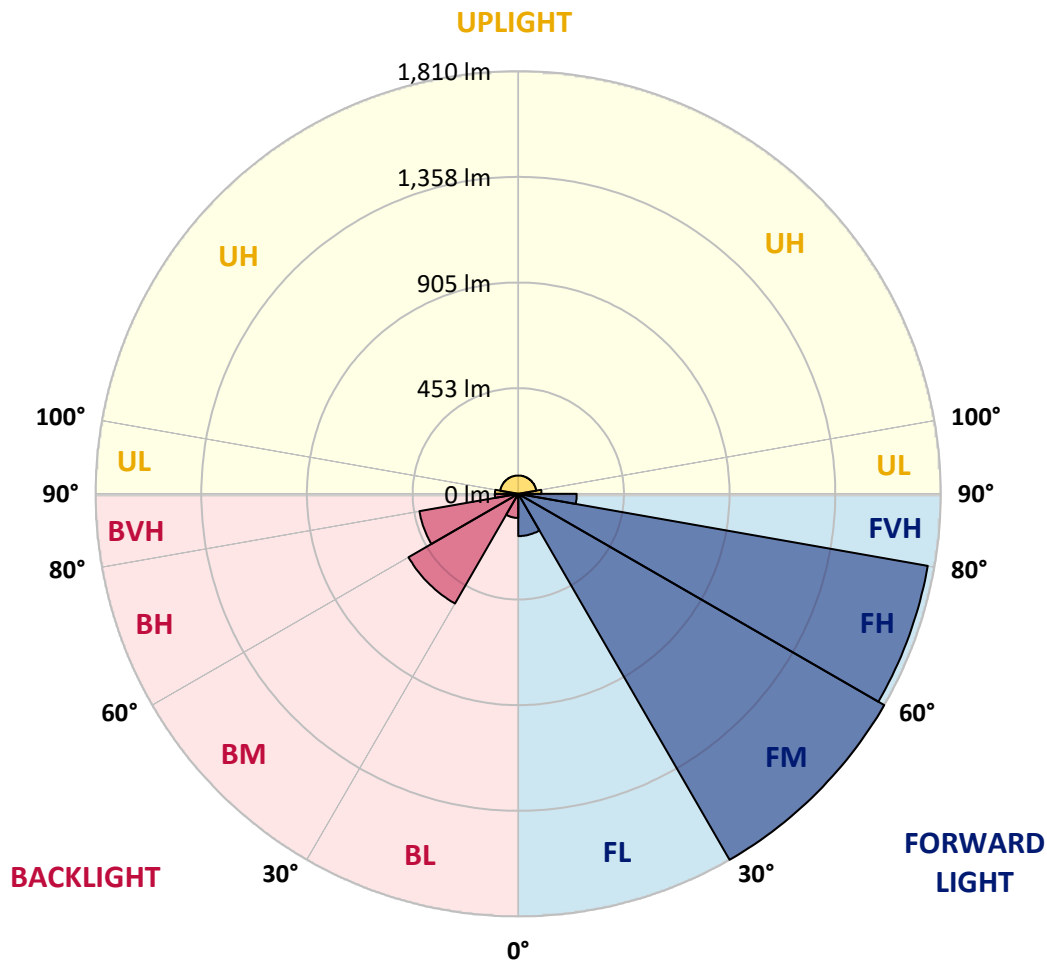


REPORT NUMBER: P696041
 CATALOG NUMBER: LXF.LXT-PA16-827-U-T3-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	181.1	3.4			
FM (30°-60°)	1810.1	33.7			
FH (60°-80°)	1781.0	33.1			G1/1800
FVH (80°-90°)	250.2	4.7			G3/500
BL (0°-30°)	103.5	1.9	B0/110		
BM (30°-60°)	542.7	10.1	B1/1000		
BH (60°-80°)	430.0	8.0	B1/500		G1/500
BVH (80°-90°)	100.5	1.9			G2/225
UL (90°-100°)	99.5	1.9		U3/500	
UH (100°-180°)	78.4	1.5		U3/500	

BUG Rating: B1-U3-G3
 Type III Medium



REPORT NUMBER: P696041
 CATALOG NUMBER: LXF.LXT-PA16-827-U-T3-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
0°	148.1	148.1	148.1	148.1	148.1	148.1	148.1	148.1	148.1	148.1	148.1
2.5°	155.9	157.8	157.8	157.8	157.8	155.9	153.9	152.0	152.0	150.0	148.1
5°	175.4	175.4	173.4	173.4	171.5	169.5	165.6	161.7	157.8	157.8	153.9
7.5°	192.9	194.8	194.8	190.9	189.0	185.1	179.3	173.4	169.5	167.6	161.7
10°	220.2	222.1	220.2	216.3	212.4	206.5	198.7	192.9	187.0	183.2	177.3
12.5°	257.2	257.2	255.2	247.4	239.7	233.8	226.0	220.2	212.4	212.4	204.6
15°	302.0	304.0	298.1	292.3	280.6	270.8	261.1	257.2	253.3	253.3	243.6
17.5°	358.5	360.5	352.7	337.1	323.4	315.6	309.8	304.0	300.1	300.1	290.3
20°	442.3	430.6	428.7	395.5	379.9	368.3	364.4	360.5	362.4	358.5	352.7
22.5°	535.8	528.0	516.3	477.4	448.1	430.6	424.8	426.7	432.5	432.5	430.6
25°	646.9	648.8	619.6	570.9	526.1	500.7	498.8	518.3	524.1	528.0	526.1
27.5°	773.5	781.3	734.6	681.9	619.6	576.7	580.6	613.8	633.2	635.2	633.2
30°	937.2	941.1	882.6	800.8	713.1	664.4	676.1	722.9	744.3	752.1	756.0
32.5°	1124.2	1124.2	1058.0	950.8	820.3	752.1	763.8	845.6	896.3	894.3	906.0
35°	1303.5	1289.9	1233.4	1097.0	939.1	845.6	874.8	968.4	1030.7	1042.4	1036.6
37.5°	1428.2	1437.9	1385.3	1252.8	1059.9	943.0	984.0	1102.8	1184.6	1184.6	1169.1
40°	1510.0	1521.7	1473.0	1360.0	1178.8	1050.2	1095.0	1223.6	1286.0	1289.9	1233.4
42.5°	1597.7	1607.4	1574.3	1457.4	1278.2	1151.5	1192.4	1315.2	1377.5	1375.6	1317.1
45°	1695.1	1708.8	1693.2	1574.3	1377.5	1247.0	1282.1	1424.3	1506.1	1519.8	1443.8
47.5°	1814.0	1823.7	1806.2	1689.3	1488.6	1344.4	1399.0	1572.4	1679.5	1681.5	1593.8
50°	1880.2	1899.7	1927.0	1835.4	1615.2	1453.5	1537.3	1759.4	1884.1	1907.5	1790.6
52.5°	1921.1	1942.6	1987.4	1967.9	1775.0	1597.7	1722.4	1973.8	2080.9	2114.0	1944.5
55°	1989.3	2012.7	2061.4	2034.2	1899.7	1763.3	1895.8	2192.0	2316.7	2332.3	2182.2
57.5°	1893.9	1917.2	2049.7	2102.3	1985.4	1907.5	2080.9	2435.5	2589.5	2612.8	2404.4
60°	1808.1	1823.7	1911.4	2061.4	2036.1	2010.8	2279.7	2669.3	2796.0	2803.8	2536.8
62.5°	1648.4	1683.4	1784.8	1907.5	1975.7	2047.8	2423.8	2854.4	2986.9	3000.6	2667.4
65°	1426.2	1451.6	1564.6	1739.9	1821.8	1987.4	2484.2	3004.5	3125.3	3117.5	2731.7
67.5°	1268.4	1287.9	1387.3	1513.9	1632.8	1852.9	2414.1	3027.8	3175.9	3156.4	2684.9
70°	995.6	1019.0	1132.0	1330.8	1424.3	1642.5	2248.5	2934.3	3062.9	3045.4	2472.5
72.5°	793.0	814.4	921.6	1089.2	1247.0	1422.3	2028.3	2636.2	2686.9	2642.1	2082.9
75°	580.6	609.9	681.9	833.9	1022.9	1229.5	1708.8	2240.7	2281.6	2238.7	1691.2
77.5°	401.4	403.3	467.6	611.8	775.5	1036.6	1418.5	1860.7	1833.5	1788.7	1293.8
80°	257.2	261.1	302.0	395.5	563.1	783.3	1145.7	1482.7	1457.4	1437.9	991.7
82.5°	165.6	159.8	194.8	259.1	381.9	568.9	890.4	1188.5	1161.3	1114.5	750.1
85°	105.2	109.1	128.6	169.5	261.1	415.0	664.4	851.5	816.4	773.5	512.4
87.5°	79.9	81.8	93.5	120.8	177.3	292.3	454.0	592.3	568.9	528.0	344.9
90°	60.4	62.3	70.1	87.7	122.8	198.7	302.0	372.1	344.9	323.4	222.1
92.5°	42.9	44.8	52.6	66.2	91.6	138.3	194.8	218.2	202.6	194.8	144.2
95°	31.2	33.1	39.0	48.7	68.2	95.5	122.8	132.5	122.8	118.9	101.3
97.5°	25.3	27.3	29.2	37.0	52.6	70.1	83.8	85.7	83.8	79.9	76.0
100°	21.4	21.4	25.3	29.2	40.9	56.5	62.3	62.3	62.3	62.3	58.5
102.5°	17.5	17.5	21.4	25.3	33.1	44.8	48.7	48.7	46.8	48.7	46.8
105°	15.6	15.6	17.5	21.4	29.2	37.0	39.0	37.0	37.0	37.0	37.0
107.5°	13.6	13.6	15.6	19.5	25.3	31.2	33.1	31.2	29.2	29.2	31.2
110°	11.7	11.7	13.6	15.6	21.4	27.3	27.3	23.4	23.4	23.4	25.3

REPORT NUMBER: P696041
 CATALOG NUMBER: LXF.LXT-PA16-827-U-T3-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
112.5°	11.7	11.7	13.6	15.6	19.5	23.4	21.4	19.5	19.5	19.5	21.4
115°	11.7	11.7	11.7	13.6	17.5	19.5	19.5	17.5	15.6	17.5	19.5
117.5°	11.7	11.7	11.7	13.6	15.6	17.5	17.5	15.6	13.6	15.6	17.5
120°	11.7	11.7	11.7	13.6	15.6	15.6	15.6	13.6	13.6	13.6	15.6
122.5°	9.7	9.7	11.7	11.7	13.6	13.6	13.6	11.7	11.7	11.7	15.6
125°	9.7	9.7	11.7	11.7	13.6	13.6	11.7	11.7	11.7	11.7	13.6
127.5°	11.7	11.7	11.7	11.7	11.7	11.7	11.7	9.7	11.7	11.7	13.6
130°	11.7	11.7	11.7	11.7	11.7	11.7	9.7	9.7	11.7	11.7	13.6
132.5°	11.7	11.7	11.7	11.7	11.7	9.7	9.7	9.7	9.7	11.7	11.7
135°	11.7	11.7	11.7	11.7	9.7	9.7	7.8	9.7	9.7	9.7	11.7
137.5°	9.7	9.7	9.7	9.7	9.7	7.8	7.8	7.8	7.8	9.7	9.7
140°	9.7	7.8	7.8	7.8	7.8	7.8	5.8	5.8	7.8	7.8	9.7
142.5°	7.8	7.8	7.8	7.8	5.8	5.8	5.8	5.8	5.8	7.8	7.8
145°	5.8	5.8	5.8	5.8	5.8	3.9	3.9	3.9	5.8	5.8	5.8
147.5°	5.8	3.9	5.8	3.9	3.9	3.9	3.9	3.9	3.9	3.9	5.8
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: P696041
 CATALOG NUMBER: LXF.LXT-PA16-827-U-T3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	148.1	148.1	148.1	148.1	148.1	148.1	148.1	148.1	148.1	148.1	148.1
2.5°	148.1	146.1	146.1	144.2	142.2	142.2	140.3	140.3	140.3	140.3	138.3
5°	152.0	150.0	146.1	142.2	138.3	136.4	134.4	132.5	130.5	130.5	130.5
7.5°	157.8	155.9	150.0	144.2	138.3	132.5	128.6	126.6	124.7	122.8	122.8
10°	173.4	167.6	157.8	148.1	140.3	132.5	126.6	122.8	120.8	118.9	118.9
12.5°	194.8	192.9	177.3	161.7	148.1	136.4	128.6	126.6	124.7	124.7	122.8
15°	235.8	228.0	210.4	185.1	163.7	146.1	140.3	138.3	142.2	142.2	144.2
17.5°	280.6	270.8	247.4	216.3	187.0	167.6	159.8	161.7	165.6	169.5	169.5
20°	339.0	329.3	298.1	253.3	218.2	194.8	185.1	185.1	192.9	198.7	198.7
22.5°	418.9	401.4	356.6	296.2	249.4	222.1	208.5	206.5	216.3	222.1	222.1
25°	512.4	487.1	428.7	348.8	282.5	243.6	228.0	229.9	241.6	251.3	251.3
27.5°	609.9	582.6	500.7	397.5	313.7	259.1	245.5	253.3	268.9	278.6	280.6
30°	728.7	691.7	576.7	446.2	337.1	272.8	259.1	270.8	290.3	304.0	305.9
32.5°	863.2	816.4	672.2	494.9	354.6	280.6	266.9	290.3	313.7	333.2	333.2
35°	991.7	929.4	742.3	531.9	364.4	282.5	274.7	304.0	331.2	348.8	348.8
37.5°	1106.7	1026.8	800.8	551.4	364.4	282.5	276.7	309.8	335.1	346.8	344.9
40°	1151.5	1056.0	802.7	541.7	358.5	278.6	274.7	305.9	325.4	329.3	325.4
42.5°	1219.7	1102.8	789.1	508.5	339.0	272.8	268.9	292.3	304.0	304.0	300.1
45°	1324.9	1174.9	791.1	475.4	317.6	261.1	259.1	280.6	294.2	298.1	294.2
47.5°	1453.5	1264.5	793.0	446.2	298.1	251.3	253.3	278.6	292.3	288.4	286.4
50°	1623.0	1383.4	802.7	418.9	286.4	243.6	253.3	280.6	290.3	282.5	278.6
52.5°	1747.7	1453.5	785.2	393.6	278.6	241.6	257.2	284.5	290.3	278.6	278.6
55°	1930.9	1550.9	748.2	360.5	270.8	243.6	261.1	288.4	290.3	280.6	278.6
57.5°	2092.6	1638.6	726.8	331.2	263.0	247.4	266.9	294.2	298.1	292.3	290.3
60°	2166.6	1660.1	670.3	311.7	257.2	251.3	274.7	304.0	317.6	313.7	315.6
62.5°	2256.3	1664.0	615.7	294.2	255.2	255.2	284.5	323.4	341.0	341.0	342.9
65°	2250.4	1613.3	551.4	278.6	253.3	259.1	296.2	341.0	362.4	368.3	370.2
67.5°	2172.5	1513.9	481.3	263.0	249.4	261.1	305.9	358.5	383.8	393.6	395.5
70°	1930.9	1328.8	411.1	249.4	241.6	257.2	307.9	368.3	393.6	403.3	405.3
72.5°	1584.1	1054.1	335.1	229.9	228.0	245.5	300.1	362.4	381.9	385.8	389.7
75°	1264.5	835.9	278.6	208.5	208.5	226.0	278.6	333.2	346.8	350.7	344.9
77.5°	946.9	633.2	231.9	189.0	189.0	206.5	251.3	294.2	305.9	304.0	305.9
80°	717.0	479.3	196.8	169.5	169.5	183.2	224.1	261.1	270.8	266.9	265.0
82.5°	537.8	358.5	171.5	152.0	152.0	163.7	194.8	226.0	233.8	233.8	228.0
85°	368.3	257.2	150.0	134.4	134.4	144.2	167.6	190.9	202.6	200.7	196.8
87.5°	257.2	194.8	132.5	120.8	118.9	126.6	144.2	165.6	179.3	181.2	177.3
90°	177.3	146.1	115.0	103.3	103.3	109.1	124.7	142.2	155.9	157.8	153.9
92.5°	124.7	111.1	95.5	87.7	85.7	93.5	103.3	115.0	122.8	122.8	124.7
95°	91.6	85.7	76.0	68.2	68.2	76.0	81.8	83.8	89.6	89.6	87.7
97.5°	70.1	68.2	62.3	54.6	52.6	60.4	62.3	64.3	68.2	66.2	64.3
100°	58.5	56.5	50.7	44.8	42.9	48.7	50.7	52.6	56.5	52.6	52.6
102.5°	46.8	46.8	42.9	37.0	37.0	40.9	42.9	44.8	46.8	44.8	42.9
105°	39.0	39.0	37.0	33.1	31.2	35.1	37.0	37.0	39.0	37.0	37.0
107.5°	31.2	33.1	31.2	27.3	27.3	29.2	31.2	31.2	31.2	31.2	31.2
110°	27.3	27.3	27.3	23.4	25.3	27.3	27.3	27.3	27.3	27.3	27.3

REPORT NUMBER: P696041
 CATALOG NUMBER: LXF.LXT-PA16-827-U-T3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	23.4	23.4	23.4	21.4	21.4	23.4	23.4	23.4	23.4	23.4	23.4
115°	21.4	21.4	21.4	19.5	19.5	21.4	19.5	19.5	19.5	21.4	21.4
117.5°	19.5	19.5	19.5	17.5	17.5	17.5	17.5	17.5	17.5	19.5	19.5
120°	17.5	17.5	17.5	15.6	15.6	15.6	15.6	15.6	15.6	17.5	17.5
122.5°	15.6	15.6	15.6	15.6	13.6	15.6	13.6	13.6	13.6	15.6	15.6
125°	13.6	15.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	15.6
127.5°	13.6	13.6	13.6	13.6	11.7	11.7	11.7	11.7	11.7	13.6	13.6
130°	13.6	13.6	13.6	11.7	11.7	11.7	9.7	9.7	11.7	11.7	13.6
132.5°	13.6	13.6	11.7	11.7	9.7	9.7	9.7	9.7	11.7	11.7	11.7
135°	11.7	11.7	11.7	9.7	9.7	9.7	7.8	9.7	9.7	11.7	11.7
137.5°	9.7	9.7	9.7	9.7	7.8	7.8	7.8	7.8	9.7	9.7	9.7
140°	9.7	9.7	7.8	7.8	7.8	5.8	5.8	7.8	7.8	9.7	9.7
142.5°	7.8	7.8	7.8	5.8	5.8	5.8	5.8	5.8	7.8	7.8	7.8
145°	5.8	5.8	5.8	5.8	3.9	3.9	5.8	5.8	5.8	7.8	7.8
147.5°	5.8	5.8	5.8	3.9	3.9	3.9	3.9	5.8	5.8	5.8	5.8
150°	3.9	3.9	3.9	3.9	1.9	1.9	3.9	3.9	5.8	5.8	5.8
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)