

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: P694812

Luminaire Tested: **LXF.LXT-PA16-30-730-U-T3-CL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694812
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-18)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-30-730-U-T3-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3376 lumens
Efficiency: N/A
Efficacy: 115.6 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 - U2 - G1

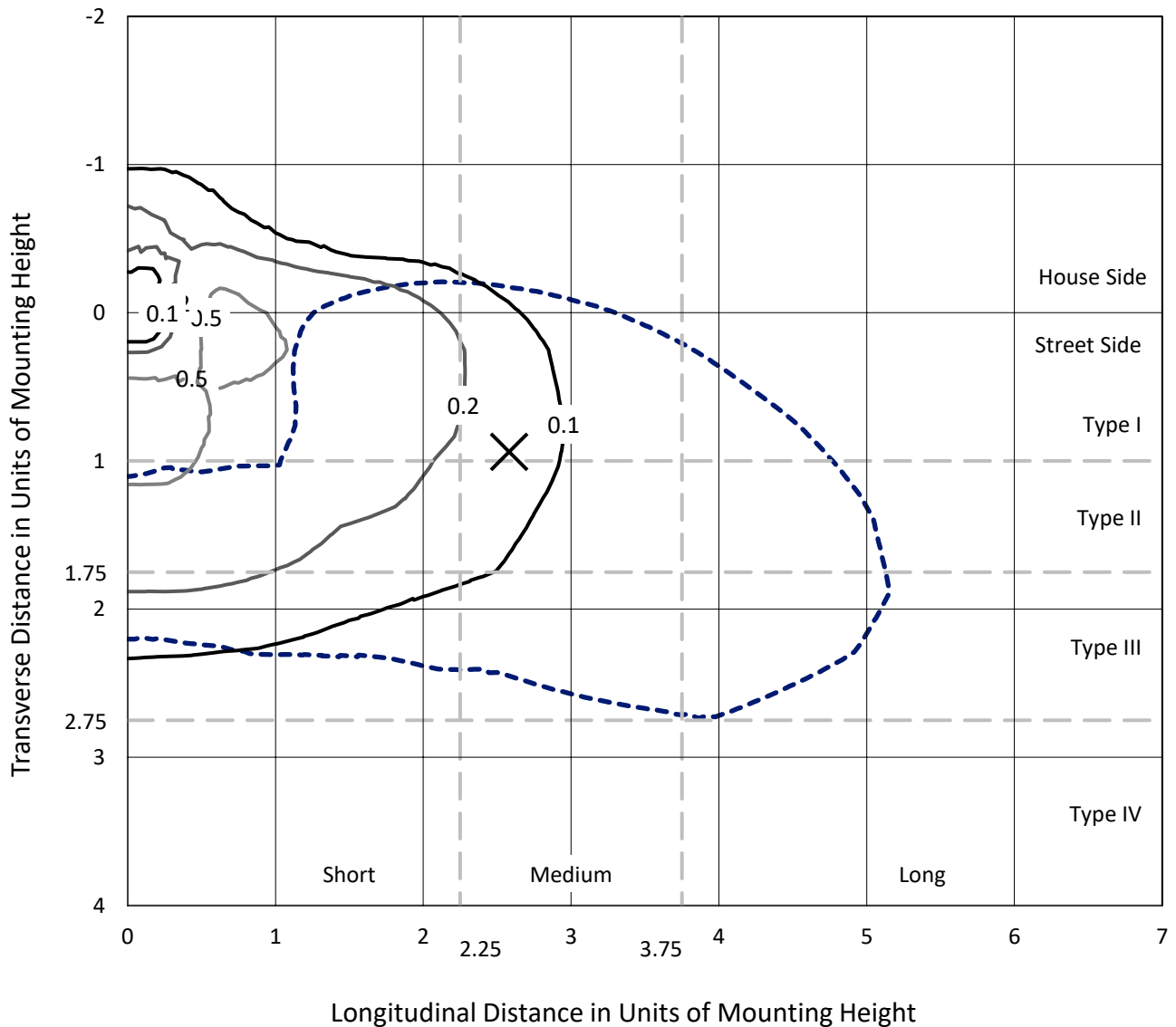
Input Watts (W): 29.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P694812
 CATALOG NUMBER: LXF.LXT-PA16-30-730-U-T3-CL

Iso-Footcandle Lines of Horizontal Illumination

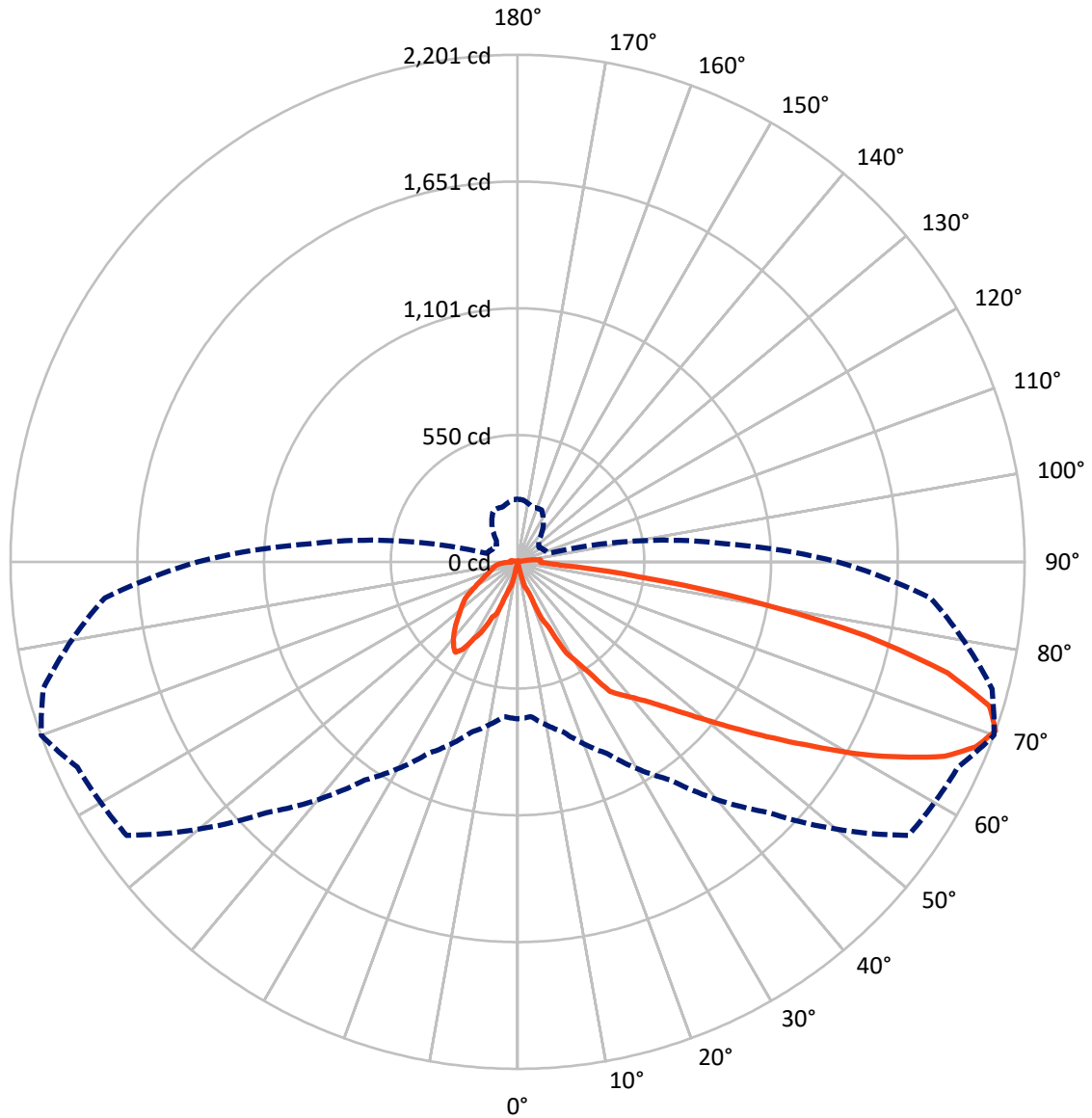
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type III - Medium - N/A

REPORT NUMBER: P694812
CATALOG NUMBER: LXF.LXT-PA16-30-730-U-T3-CL

Luminous Intensity Polar Plot



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

REPORT NUMBER: P694812
 CATALOG NUMBER: LXF.LXT-PA16-30-730-U-T3-CL

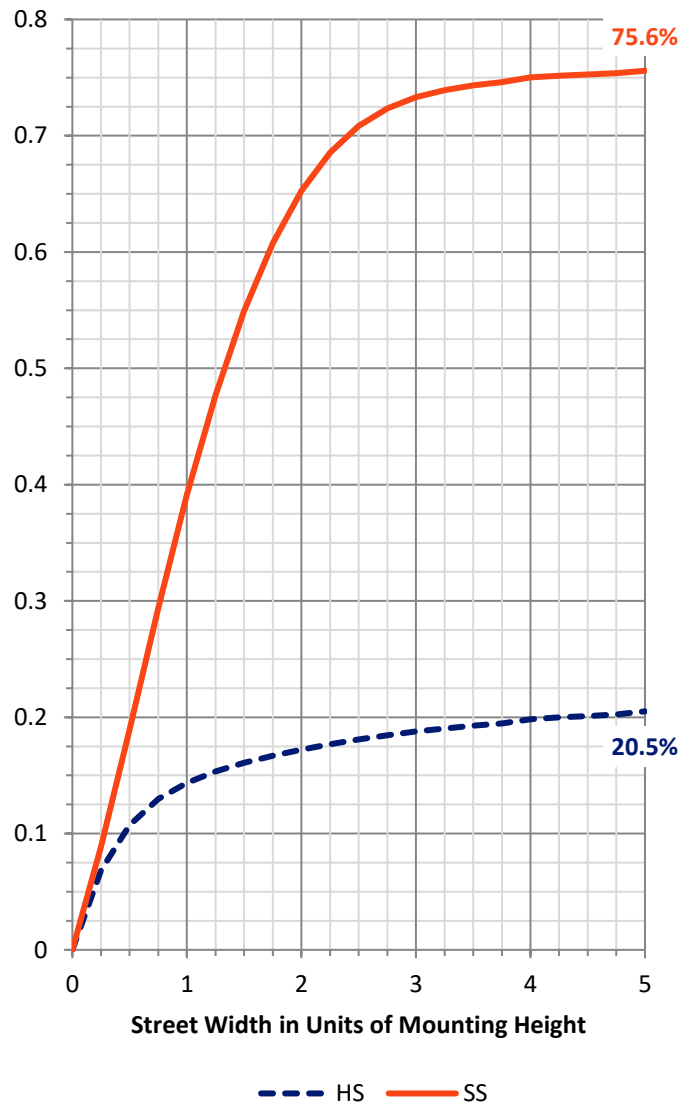
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	734.7	36.4	771.1
	% Fixture	21.8	1.1	22.8
Street Side	Lumens	2572.9	32.0	2605.0
	% Fixture	76.2	0.9	77.2
Total	Lumens	3307.6	68.5	3376.0
	% Fixture	98.0	2.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.3	0.0
10°-20°	24.1	0.7
20°-30°	137.9	4.1
30°-40°	318.4	9.4
40°-50°	466.5	13.8
50°-60°	689.9	20.4
60°-70°	904.8	26.8
70°-80°	614.5	18.2
80°-90°	151.2	4.5
90°-100°	49.7	1.5
100°-110°	8.9	0.3
110°-120°	3.5	0.1
120°-130°	2.8	0.1
130°-140°	2.0	0.1
140°-150°	1.5	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3307.6	98.0
0°-180°	3376.0	100.0

Coefficient of Utilization

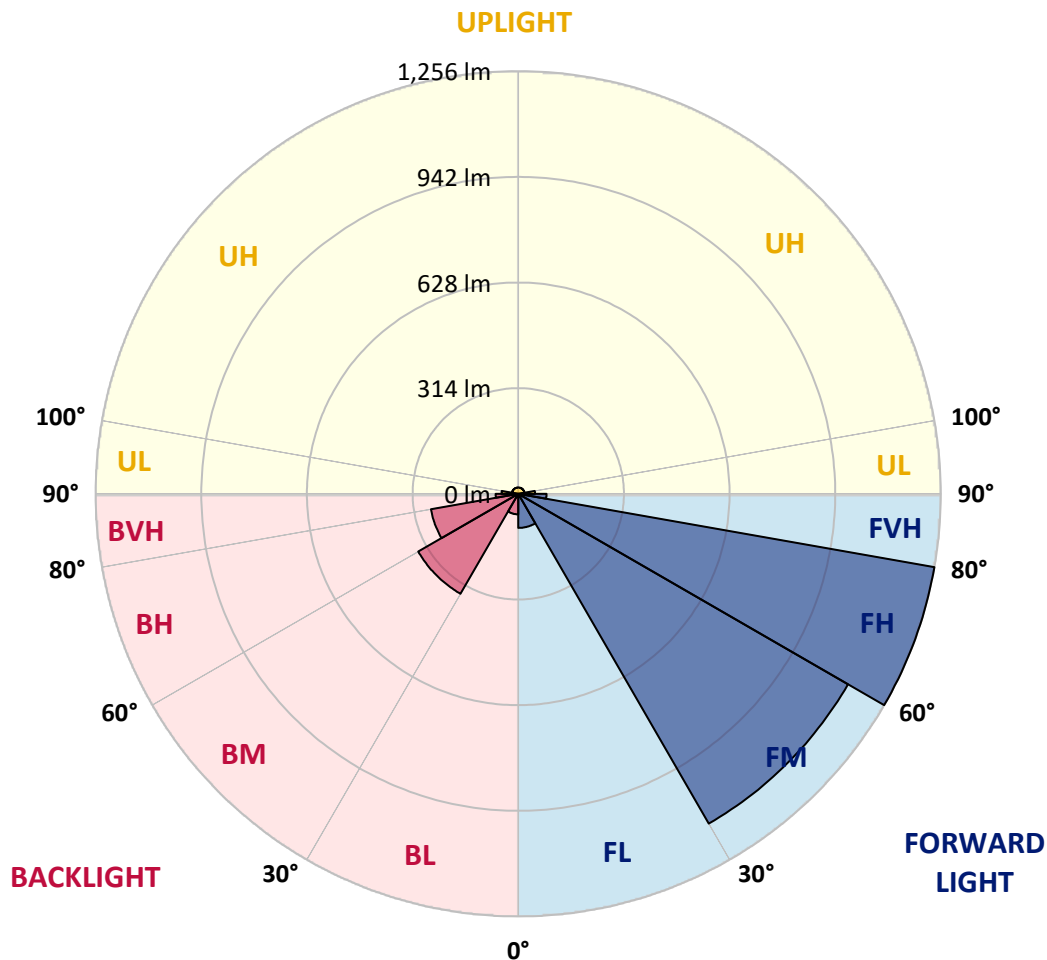


REPORT NUMBER: P694812
 CATALOG NUMBER: LXF.LXT-PA16-30-730-U-T3-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	101.4	3.0			
FM (30°-60°)	1131.7	33.5			
FH (60°-80°)	1255.9	37.2			G1/1800
FVH (80°-90°)	84.0	2.5			G1/100
BL (0°-30°)	61.0	1.8	B0/110		
BM (30°-60°)	343.1	10.2	B1/1000		
BH (60°-80°)	263.4	7.8	B1/500		G1/500
BVH (80°-90°)	67.2	2.0			G1/100
UL (90°-100°)	49.7	1.5		U2/50	
UH (100°-180°)	18.8	0.6		U2/50	

BUG Rating: B1-U2-G1
 Type III Medium



REPORT NUMBER: P694812
 CATALOG NUMBER: LXF.LXT-PA16-30-730-U-T3-CL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
2.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
5°	2.4	2.4	2.4	2.4	3.5	3.5	2.4	2.4	2.4	2.4	2.4
7.5°	3.5	2.4	2.4	3.5	3.5	3.5	3.5	2.4	2.4	2.4	2.4
10°	20.1	21.3	14.2	8.3	5.9	3.5	3.5	3.5	3.5	3.5	3.5
12.5°	108.7	107.5	105.2	73.3	26.0	8.3	5.9	10.6	13.0	16.5	23.6
15°	122.9	124.1	120.5	119.3	112.2	42.5	22.4	99.2	108.7	109.9	109.9
17.5°	171.3	170.1	153.6	134.7	126.4	131.1	105.2	118.1	122.9	125.2	126.4
20°	288.3	287.1	283.6	242.2	156.0	191.4	185.5	140.6	148.9	191.4	243.4
22.5°	321.4	319.0	314.3	302.5	313.1	218.6	212.7	246.9	268.2	281.2	280.0
25°	492.7	497.4	410.0	340.3	346.2	298.9	321.4	319.0	313.1	315.5	319.0
27.5°	548.2	543.5	536.4	502.1	385.2	406.4	366.3	407.6	445.4	466.7	460.8
30°	703.0	701.8	617.9	558.8	505.7	440.7	456.0	513.9	500.9	504.5	485.6
32.5°	821.1	819.9	808.1	690.0	573.0	498.6	541.1	543.5	576.6	641.5	647.4
35°	867.2	862.5	854.2	768.0	652.2	587.2	571.8	672.3	691.2	693.5	677.0
37.5°	914.5	908.6	901.5	805.8	730.1	622.6	655.7	732.5	732.5	747.9	706.5
40°	941.6	941.6	940.5	837.7	765.6	654.5	697.1	778.6	776.2	786.9	747.9
42.5°	975.9	972.4	985.3	870.7	802.2	687.6	737.2	822.3	829.4	856.6	803.4
45°	1024.3	1029.1	1035.0	941.6	851.8	736.1	784.5	890.8	897.9	934.5	883.7
47.5°	1077.5	1083.4	1104.7	1016.1	932.2	797.5	824.7	968.8	985.3	1030.2	985.3
50°	1143.7	1144.8	1175.6	1090.5	1035.0	884.9	897.9	1044.4	1088.1	1128.3	1101.1
52.5°	1190.9	1195.6	1233.5	1186.2	1129.5	990.1	1004.3	1142.5	1211.0	1260.6	1226.4
55°	1232.3	1235.8	1271.3	1259.4	1208.6	1070.4	1142.5	1274.8	1351.6	1394.1	1380.0
57.5°	1247.6	1251.2	1304.3	1313.8	1289.0	1172.0	1287.8	1406.0	1508.7	1556.0	1532.4
60°	1237.0	1237.0	1302.0	1352.8	1377.6	1284.3	1441.4	1553.6	1693.0	1724.9	1733.2
62.5°	1201.6	1211.0	1290.2	1369.3	1441.4	1394.1	1597.3	1736.8	1865.5	1895.1	1876.2
65°	1123.6	1125.9	1209.8	1333.9	1448.5	1513.5	1797.0	1891.5	2036.9	2026.2	1945.9
67.5°	975.9	959.4	1032.6	1207.5	1370.5	1574.9	1963.6	2022.7	2144.4	2108.9	1928.2
70°	681.7	674.6	764.4	918.0	1155.5	1539.5	2071.1	2108.9	2201.1	2132.6	1799.4
72.5°	323.7	349.7	394.6	525.8	801.0	1299.6	2041.6	2100.7	2142.0	2064.0	1563.1
75°	141.8	145.3	169.0	238.7	412.3	821.1	1786.4	1886.8	1928.2	1839.5	1231.1
77.5°	101.6	101.6	112.2	130.0	187.9	392.2	1216.9	1494.6	1547.7	1461.5	862.5
80°	79.2	79.2	87.4	99.2	117.0	161.9	758.5	1001.9	1020.8	893.2	480.9
82.5°	59.1	61.4	68.5	74.4	86.2	111.1	324.9	515.1	528.1	414.7	251.7
85°	42.5	42.5	47.3	47.3	56.7	86.2	167.8	189.0	187.9	166.6	156.0
87.5°	14.2	14.2	11.8	14.2	23.6	54.3	105.2	106.3	101.6	115.8	131.1
90°	16.5	16.5	11.8	13.0	17.7	49.6	101.6	101.6	96.9	104.0	131.1
92.5°	17.7	17.7	13.0	13.0	15.4	43.7	102.8	107.5	101.6	105.2	130.0
95°	17.7	17.7	13.0	11.8	14.2	29.5	99.2	99.2	95.7	93.3	102.8
97.5°	10.6	10.6	8.3	9.5	11.8	15.4	59.1	61.4	54.3	42.5	55.5
100°	7.1	7.1	5.9	7.1	8.3	8.3	28.4	29.5	22.4	10.6	11.8
102.5°	7.1	7.1	4.7	5.9	4.7	4.7	8.3	10.6	7.1	7.1	9.5
105°	7.1	8.3	3.5	3.5	3.5	3.5	3.5	7.1	5.9	5.9	9.5
107.5°	7.1	7.1	3.5	3.5	3.5	3.5	2.4	3.5	4.7	5.9	10.6
110°	3.5	4.7	2.4	3.5	2.4	3.5	2.4	3.5	4.7	4.7	8.3

REPORT NUMBER: P694812
 CATALOG NUMBER: LXF.LXT-PA16-30-730-U-T3-CL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	2.4	2.4	1.2	2.4	2.4	2.4	2.4	3.5	3.5	3.5	5.9
115°	2.4	2.4	1.2	1.2	1.2	2.4	2.4	2.4	3.5	3.5	5.9
117.5°	2.4	2.4	1.2	1.2	1.2	1.2	2.4	2.4	2.4	3.5	5.9
120°	3.5	2.4	1.2	1.2	1.2	1.2	2.4	2.4	3.5	3.5	5.9
122.5°	3.5	2.4	1.2	1.2	1.2	1.2	1.2	2.4	2.4	3.5	5.9
125°	3.5	2.4	1.2	1.2	1.2	1.2	1.2	2.4	2.4	3.5	5.9
127.5°	2.4	2.4	1.2	1.2	1.2	1.2	1.2	2.4	2.4	3.5	5.9
130°	2.4	2.4	1.2	1.2	1.2	1.2	1.2	2.4	2.4	3.5	4.7
132.5°	2.4	2.4	1.2	1.2	1.2	1.2	2.4	2.4	2.4	2.4	4.7
135°	2.4	2.4	1.2	1.2	1.2	1.2	2.4	2.4	2.4	2.4	3.5
137.5°	2.4	2.4	1.2	1.2	2.4	2.4	2.4	2.4	2.4	2.4	2.4
140°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
142.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
145°	3.5	3.5	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
147.5°	3.5	3.5	3.5	2.4	2.4	2.4	2.4	2.4	2.4	2.4	3.5
150°	3.5	3.5	3.5	2.4	2.4	1.2	2.4	2.4	2.4	2.4	3.5
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: P694812
 CATALOG NUMBER: LXF.LXT-PA16-30-730-U-T3-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
2.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	3.5	3.5
5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	3.5
7.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
10°	3.5	3.5	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	3.5
12.5°	21.3	21.3	16.5	8.3	3.5	2.4	2.4	2.4	3.5	5.9	4.7
15°	112.2	112.2	109.9	100.4	21.3	5.9	4.7	10.6	47.3	85.1	86.2
17.5°	128.8	127.6	125.2	119.3	106.3	37.8	36.6	99.2	106.3	111.1	112.2
20°	242.2	239.8	185.5	132.3	115.8	114.6	100.4	112.2	115.8	118.1	119.3
22.5°	276.5	272.9	259.9	229.2	132.3	156.0	146.5	121.7	181.9	194.9	194.9
25°	317.8	308.4	282.4	246.9	225.7	164.2	169.0	177.2	187.9	190.2	190.2
27.5°	452.5	444.2	406.4	271.7	242.2	193.8	196.1	179.6	189.0	216.2	219.8
30°	473.8	460.8	426.5	335.5	251.7	217.4	187.9	210.3	220.9	219.8	220.9
32.5°	630.9	617.9	548.2	345.0	270.6	204.4	205.6	210.3	217.4	229.2	237.5
35°	655.7	641.5	562.4	392.2	258.7	203.2	203.2	212.7	244.6	249.3	249.3
37.5°	682.9	671.1	556.5	366.3	261.1	203.2	197.3	217.4	230.4	229.2	229.2
40°	730.1	711.2	541.1	334.4	237.5	194.9	197.3	204.4	211.5	204.4	200.9
42.5°	785.7	751.4	521.0	301.3	218.6	184.3	186.7	189.0	189.0	176.0	174.9
45°	856.6	792.8	493.9	270.6	200.9	171.3	177.2	173.7	173.7	163.0	161.9
47.5°	936.9	835.3	460.8	243.4	185.5	159.5	167.8	164.2	166.6	157.1	156.0
50°	1030.2	890.8	428.9	223.3	172.5	153.6	158.3	163.0	166.6	154.8	153.6
52.5°	1128.3	945.2	406.4	200.9	160.7	146.5	161.9	163.0	165.4	153.6	153.6
55°	1248.8	1012.5	379.3	184.3	152.4	140.6	170.1	170.1	166.6	156.0	154.8
57.5°	1378.8	1079.9	328.4	169.0	145.3	137.1	173.7	179.6	171.3	158.3	158.3
60°	1499.3	1147.2	270.6	157.1	138.2	135.9	176.0	184.3	177.2	165.4	165.4
62.5°	1591.4	1180.3	226.8	147.7	130.0	132.3	174.9	193.8	191.4	185.5	185.5
65°	1602.1	1150.8	190.2	139.4	122.9	131.1	172.5	203.2	204.4	213.8	215.0
67.5°	1545.4	1056.2	161.9	132.3	117.0	127.6	173.7	223.3	229.2	246.9	244.6
70°	1389.4	902.6	140.6	124.1	112.2	128.8	194.9	248.1	246.9	269.4	271.7
72.5°	1160.2	714.8	127.6	119.3	114.6	138.2	219.8	255.2	250.5	275.3	272.9
75°	880.2	504.5	117.0	113.4	111.1	140.6	225.7	248.1	238.7	255.2	252.8
77.5°	578.9	332.0	106.3	106.3	107.5	134.7	216.2	236.3	224.5	235.1	233.9
80°	326.1	197.3	95.7	100.4	102.8	128.8	202.0	219.8	207.9	216.2	216.2
82.5°	196.1	140.6	83.9	92.2	94.5	127.6	189.0	204.4	193.8	198.5	192.6
85°	133.5	102.8	66.2	78.0	88.6	122.9	178.4	189.0	170.1	166.6	161.9
87.5°	108.7	80.3	36.6	49.6	66.2	105.2	141.8	143.0	125.2	122.9	121.7
90°	106.3	74.4	26.0	27.2	43.7	73.3	93.3	89.8	83.9	85.1	83.9
92.5°	104.0	70.9	28.4	29.5	43.7	57.9	79.2	78.0	72.1	78.0	76.8
95°	88.6	61.4	29.5	31.9	37.8	35.4	57.9	61.4	56.7	60.3	61.4
97.5°	46.1	33.1	28.4	31.9	28.4	21.3	34.3	39.0	29.5	23.6	26.0
100°	15.4	10.6	28.4	33.1	21.3	15.4	24.8	28.4	17.7	7.1	7.1
102.5°	9.5	9.5	20.1	26.0	15.4	8.3	16.5	20.1	13.0	5.9	5.9
105°	9.5	9.5	8.3	14.2	5.9	4.7	5.9	10.6	7.1	5.9	5.9
107.5°	10.6	9.5	4.7	4.7	4.7	3.5	3.5	4.7	4.7	5.9	5.9
110°	9.5	8.3	4.7	4.7	3.5	3.5	3.5	3.5	4.7	7.1	7.1

REPORT NUMBER: P694812
 CATALOG NUMBER: LXF.LXT-PA16-30-730-U-T3-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	5.9	7.1	4.7	3.5	3.5	3.5	3.5	3.5	4.7	7.1	7.1
115°	5.9	5.9	3.5	3.5	2.4	3.5	3.5	3.5	4.7	7.1	8.3
117.5°	7.1	5.9	3.5	2.4	2.4	2.4	2.4	3.5	4.7	8.3	8.3
120°	7.1	5.9	3.5	3.5	2.4	2.4	2.4	3.5	4.7	8.3	9.5
122.5°	7.1	5.9	3.5	2.4	2.4	2.4	2.4	3.5	4.7	8.3	9.5
125°	5.9	5.9	3.5	2.4	2.4	2.4	2.4	3.5	4.7	8.3	8.3
127.5°	5.9	5.9	3.5	2.4	2.4	2.4	2.4	3.5	4.7	8.3	8.3
130°	5.9	4.7	3.5	2.4	2.4	2.4	2.4	3.5	4.7	7.1	8.3
132.5°	4.7	4.7	3.5	2.4	2.4	2.4	2.4	2.4	4.7	7.1	7.1
135°	3.5	3.5	2.4	2.4	2.4	2.4	2.4	2.4	3.5	4.7	5.9
137.5°	2.4	2.4	2.4	2.4	1.2	1.2	2.4	2.4	3.5	3.5	4.7
140°	2.4	2.4	2.4	2.4	1.2	1.2	2.4	2.4	2.4	3.5	3.5
142.5°	2.4	2.4	2.4	2.4	1.2	1.2	2.4	2.4	2.4	3.5	3.5
145°	2.4	2.4	2.4	2.4	1.2	1.2	2.4	2.4	2.4	3.5	3.5
147.5°	3.5	2.4	2.4	2.4	1.2	1.2	2.4	2.4	2.4	3.5	3.5
150°	3.5	2.4	2.4	1.2	1.2	1.2	1.2	2.4	2.4	3.5	3.5
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)