

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: P694804

Luminaire Tested: **LXF.LXT-PA16-30-730-U-T2R-TL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694804
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-10)
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-T2R-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY
OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3187 lumens
Efficiency: N/A
Efficacy: 109.1 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 - U2 - G2

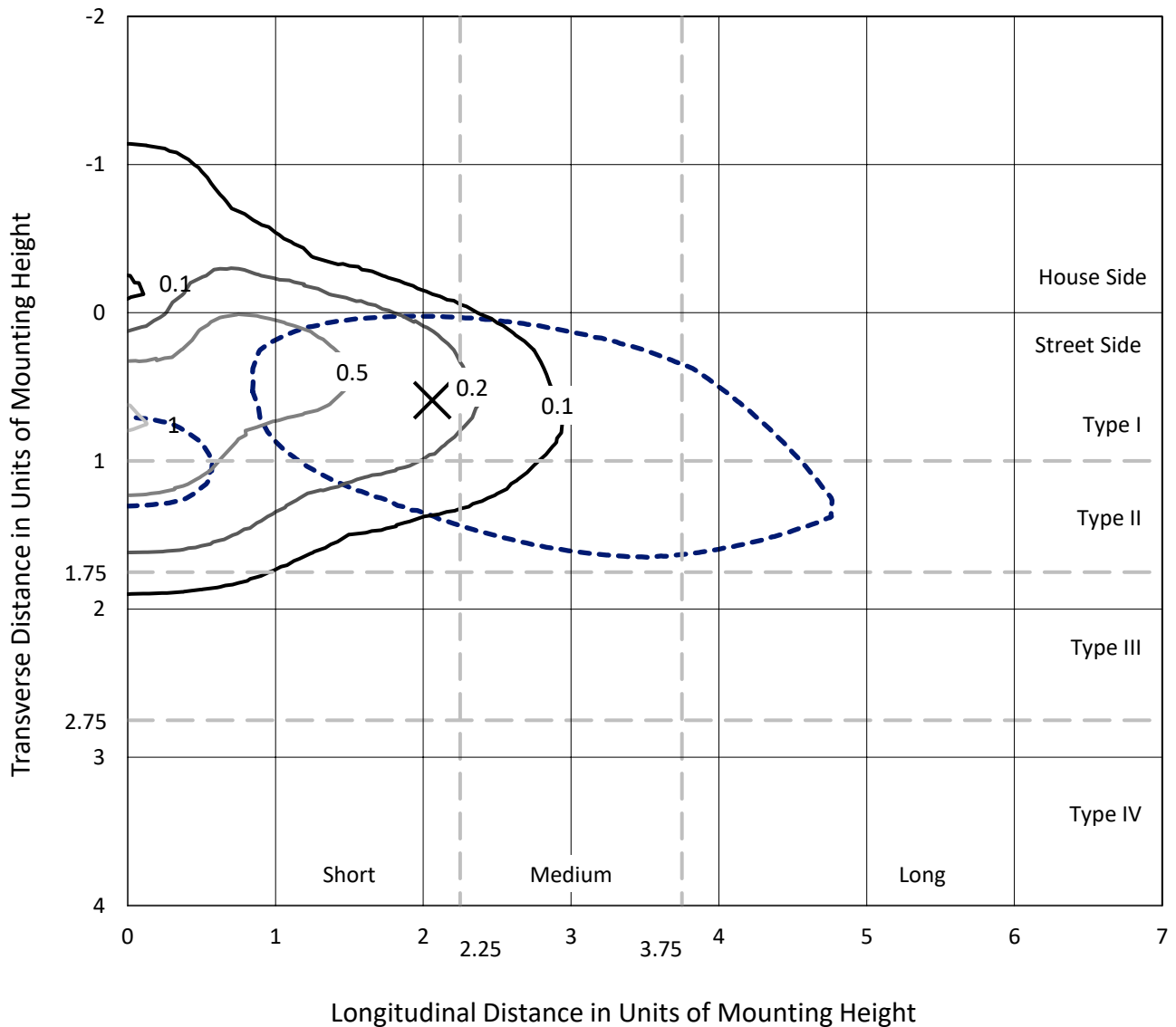
Input Watts (W): 29.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P694804
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Iso-Footcandle Lines of Horizontal Illumination

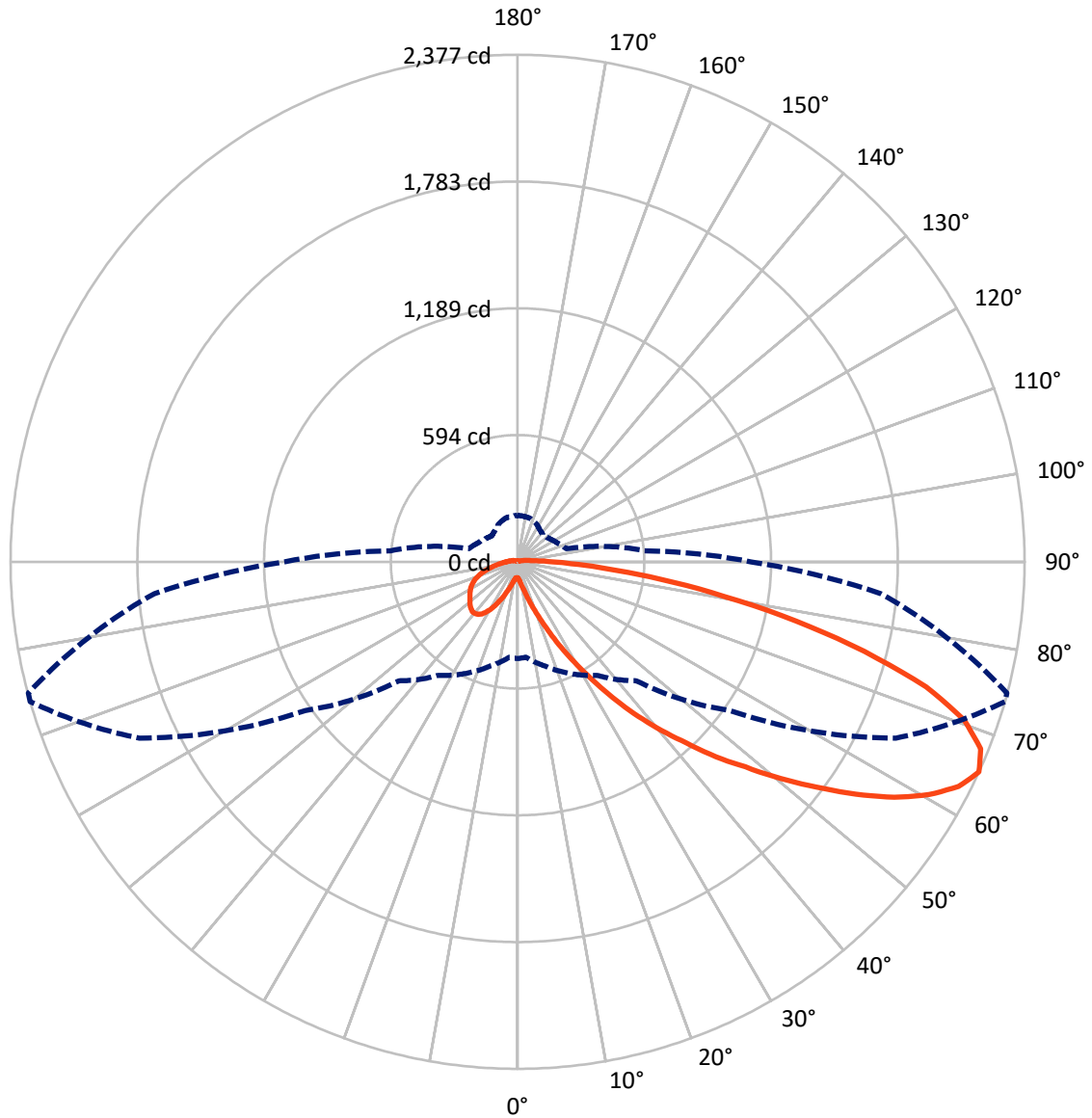
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type II - Short - N/A

REPORT NUMBER: P694804
CATALOG NUMBER: LXF.LXT-PA16-30-730-U-T2R-TL

Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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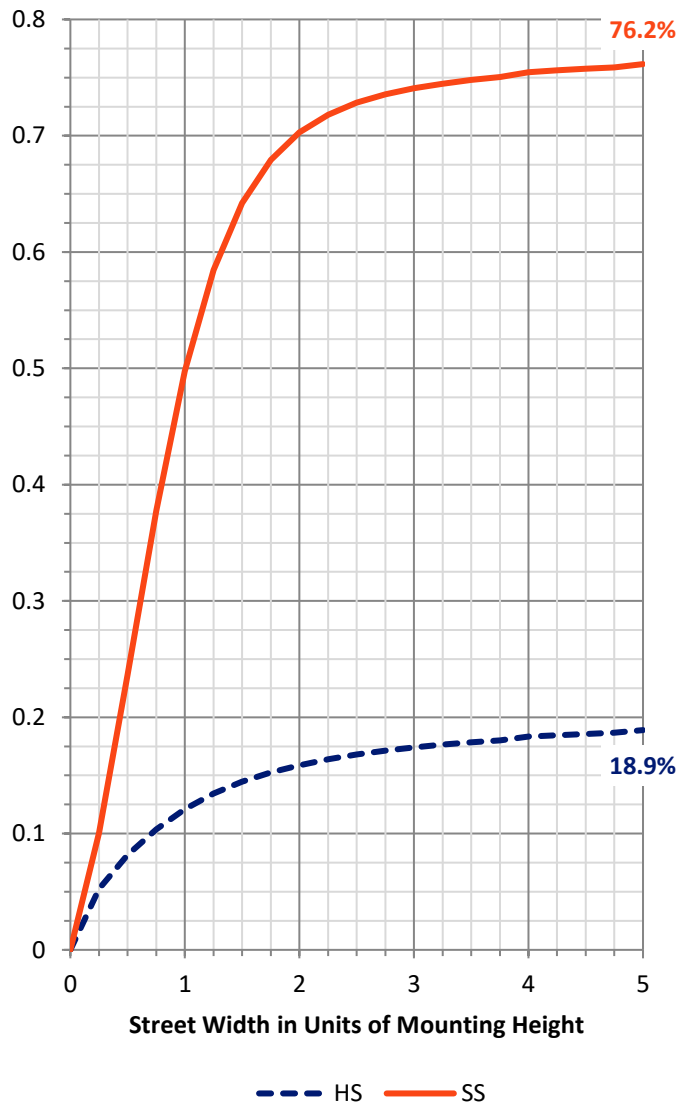
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	632.3	51.6	683.9
	% Fixture	19.8	1.6	21.5
Street Side	Lumens	2456.9	46.2	2503.1
	% Fixture	77.1	1.4	78.5
Total	Lumens	3089.3	97.7	3187.0
	% Fixture	96.9	3.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.6	0.3
10°-20°	45.9	1.4
20°-30°	152.7	4.8
30°-40°	350.1	11.0
40°-50°	560.3	17.6
50°-60°	695.4	21.8
60°-70°	674.9	21.2
70°-80°	440.2	13.8
80°-90°	161.0	5.1
90°-100°	48.0	1.5
100°-110°	22.2	0.7
110°-120°	12.3	0.4
120°-130°	7.7	0.2
130°-140°	4.8	0.2
140°-150°	2.4	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3089.3	96.9
0°-180°	3187.0	100.0

Coefficient of Utilization

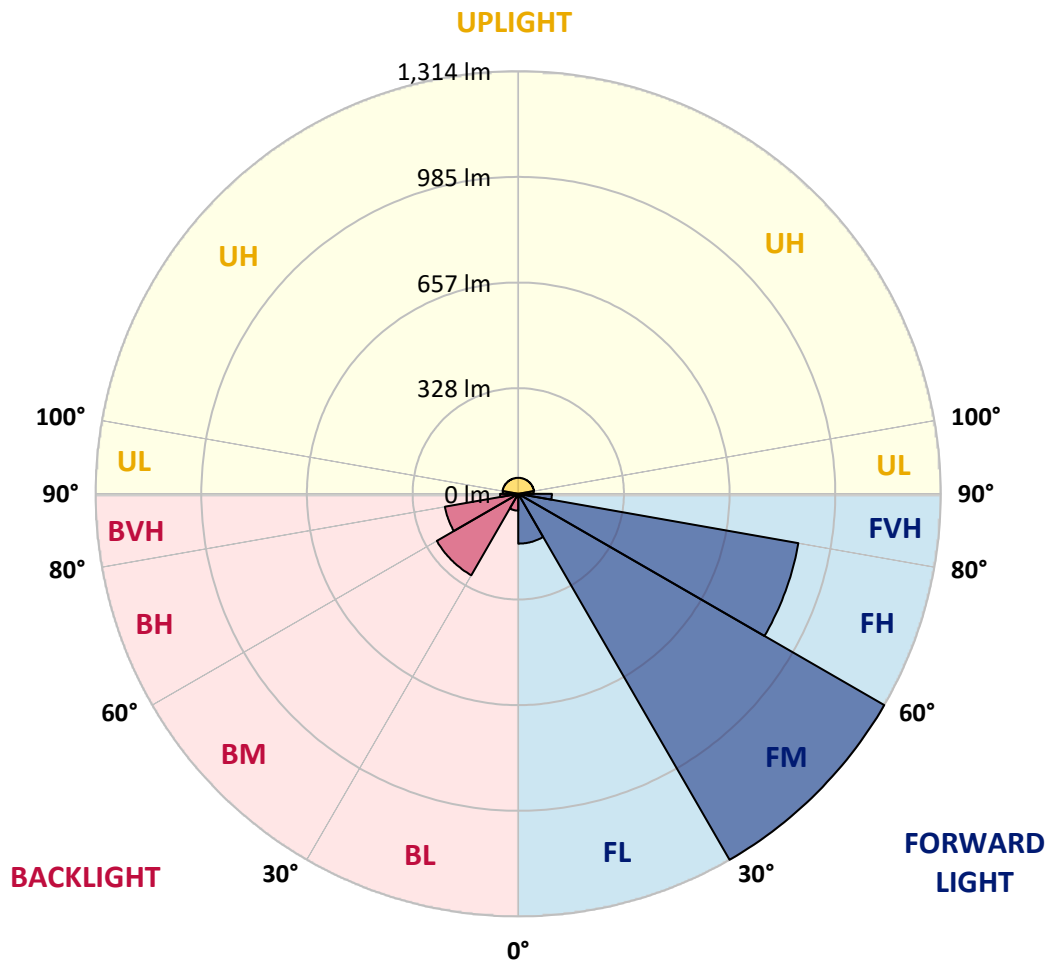


REPORT NUMBER: P694804
 CATALOG NUMBER: LXF.LXT-PA16-30-730-U-T2R-TL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	154.9	4.9			
FM (30°-60°)	1313.5	41.2			
FH (60°-80°)	884.0	27.7			G1/1800
FVH (80°-90°)	104.5	3.3			G2/225
BL (0°-30°)	52.4	1.6	B0/110		
BM (30°-60°)	292.3	9.2	B1/1000		
BH (60°-80°)	231.2	7.3	B1/500		G1/500
BVH (80°-90°)	56.4	1.8			G1/100
UL (90°-100°)	48.0	1.5		U2/50	
UH (100°-180°)	49.7	1.6		U2/50	

BUG Rating: B1-U2-G2
 Type II Short



REPORT NUMBER: P694804
 CATALOG NUMBER: LXF.LXT-PA16-30-730-U-T2R-TL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
2.5°	86.2	87.4	87.4	86.2	85.1	85.1	82.7	80.3	79.2	79.2	78.0
5°	105.2	106.3	106.3	104.0	100.4	99.2	94.5	91.0	87.4	87.4	82.7
7.5°	132.3	133.5	131.1	128.8	124.1	119.3	113.4	106.3	99.2	98.1	92.2
10°	164.2	167.8	165.4	159.5	152.4	146.5	137.1	125.2	118.1	115.8	105.2
12.5°	213.8	211.5	205.6	199.7	191.4	179.6	166.6	152.4	138.2	139.4	125.2
15°	264.7	269.4	261.1	250.5	233.9	220.9	203.2	187.9	172.5	170.1	151.2
17.5°	339.1	337.9	328.5	307.2	282.4	269.4	250.5	231.6	213.8	207.9	183.1
20°	426.5	425.3	406.4	379.3	355.6	329.6	303.6	283.6	262.3	257.6	225.7
22.5°	530.5	525.8	505.7	466.7	426.5	394.6	367.4	352.1	323.7	319.0	275.3
25°	651.0	640.4	617.9	565.9	504.5	467.9	443.1	425.3	398.2	392.3	335.5
27.5°	784.5	777.4	736.1	667.5	594.3	537.6	519.9	508.0	485.6	478.5	402.9
30°	909.7	912.1	867.2	781.0	687.6	619.1	606.1	607.3	577.7	571.8	482.0
32.5°	1058.6	1049.2	991.3	892.0	775.1	704.2	692.4	708.9	684.1	679.4	568.3
35°	1176.8	1183.9	1122.4	999.5	863.7	782.1	786.9	814.0	799.9	792.8	645.1
37.5°	1290.2	1284.3	1212.2	1090.5	940.5	855.4	873.1	933.4	919.2	910.9	736.1
40°	1365.8	1358.7	1296.1	1164.9	1010.2	922.7	957.0	1046.8	1040.9	1037.3	814.0
42.5°	1401.2	1391.8	1341.0	1216.9	1061.0	975.9	1043.3	1162.6	1161.4	1157.9	903.8
45°	1393.0	1387.1	1348.1	1247.7	1094.1	1025.5	1120.1	1283.1	1304.4	1287.8	986.5
47.5°	1356.3	1350.4	1323.3	1247.7	1111.8	1056.3	1188.6	1409.5	1436.7	1421.3	1078.7
50°	1283.1	1280.7	1273.6	1218.1	1109.4	1081.1	1254.7	1524.1	1597.4	1582.0	1183.9
52.5°	1180.3	1179.1	1190.9	1164.9	1087.0	1084.6	1306.7	1656.4	1754.5	1738.0	1286.6
55°	1059.8	1059.8	1079.9	1082.2	1043.3	1071.6	1346.9	1762.8	1923.5	1899.8	1398.9
57.5°	906.2	910.9	955.8	985.4	971.2	1033.8	1361.1	1864.4	2083.0	2067.6	1514.7
60°	753.8	756.2	808.1	857.8	882.6	980.6	1348.1	1934.1	2216.5	2210.6	1608.0
62.5°	594.3	596.7	651.0	723.1	771.5	893.2	1299.6	1966.0	2320.4	2316.9	1676.5
65°	453.7	449.0	506.9	577.7	649.8	789.2	1215.8	1956.5	2377.2	2374.8	1709.6
67.5°	326.1	335.5	379.3	447.8	521.0	678.2	1100.0	1864.4	2341.7	2344.1	1674.2
70°	236.3	251.7	282.4	334.4	410.0	557.7	960.6	1710.8	2221.2	2235.4	1573.7
72.5°	181.9	183.1	207.9	249.3	309.5	441.9	795.1	1501.7	2002.6	2007.3	1400.1
75°	141.8	145.3	161.9	191.4	237.5	342.6	645.1	1242.9	1678.9	1706.1	1187.4
77.5°	115.8	117.0	130.0	147.7	181.9	258.7	482.0	980.6	1335.1	1337.4	926.3
80°	91.0	95.7	106.3	118.1	141.8	193.8	354.4	718.3	981.8	966.5	655.7
82.5°	69.7	73.3	81.5	94.5	107.5	145.3	254.0	506.9	674.6	662.8	449.0
85°	52.0	54.3	62.6	73.3	85.1	111.1	177.2	327.3	418.2	405.3	272.9
87.5°	36.6	37.8	44.9	54.3	65.0	83.9	122.9	200.9	251.7	246.9	169.0
90°	24.8	26.0	31.9	40.2	50.8	65.0	88.6	125.2	146.5	146.5	107.5
92.5°	17.7	18.9	23.6	30.7	40.2	52.0	65.0	81.5	89.8	88.6	73.3
95°	14.2	14.2	18.9	24.8	33.1	42.5	49.6	55.5	60.3	60.3	55.5
97.5°	11.8	11.8	16.5	21.3	28.4	35.4	40.2	41.4	43.7	43.7	41.4
100°	10.6	10.6	14.2	18.9	23.6	29.5	33.1	31.9	33.1	34.3	31.9
102.5°	9.5	9.5	13.0	16.5	21.3	26.0	27.2	26.0	26.0	26.0	24.8
105°	8.3	8.3	11.8	15.4	18.9	22.4	23.6	21.3	20.1	20.1	20.1
107.5°	7.1	7.1	10.6	13.0	16.5	20.1	20.1	18.9	16.5	16.5	15.4
110°	7.1	7.1	9.5	11.8	15.4	17.7	17.7	15.4	13.0	13.0	13.0

REPORT NUMBER: P694804
 CATALOG NUMBER: LXF.LXT-PA16-30-730-U-T2R-TL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
112.5°	5.9	5.9	8.3	11.8	14.2	15.4	15.4	13.0	11.8	10.6	10.6
115°	5.9	5.9	8.3	10.6	13.0	14.2	14.2	11.8	9.5	9.5	9.5
117.5°	5.9	5.9	7.1	9.5	11.8	13.0	11.8	10.6	8.3	8.3	8.3
120°	5.9	5.9	7.1	8.3	10.6	11.8	11.8	9.5	7.1	7.1	8.3
122.5°	5.9	5.9	7.1	8.3	9.5	10.6	10.6	8.3	7.1	7.1	7.1
125°	5.9	5.9	7.1	8.3	9.5	10.6	9.5	8.3	5.9	5.9	7.1
127.5°	5.9	5.9	7.1	7.1	8.3	9.5	8.3	7.1	5.9	5.9	7.1
130°	5.9	5.9	7.1	7.1	8.3	8.3	8.3	5.9	5.9	5.9	5.9
132.5°	7.1	7.1	7.1	7.1	7.1	8.3	7.1	5.9	4.7	4.7	5.9
135°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	5.9	4.7	4.7	5.9
137.5°	5.9	7.1	5.9	5.9	5.9	7.1	5.9	4.7	4.7	4.7	4.7
140°	5.9	5.9	5.9	5.9	5.9	5.9	4.7	3.5	4.7	4.7	4.7
142.5°	5.9	5.9	5.9	4.7	4.7	4.7	4.7	3.5	3.5	3.5	4.7
145°	4.7	4.7	4.7	4.7	4.7	4.7	3.5	3.5	3.5	3.5	3.5
147.5°	4.7	4.7	4.7	3.5	3.5	3.5	2.4	2.4	2.4	2.4	3.5
150°	3.5	3.5	3.5	3.5	2.4	2.4	2.4	2.4	2.4	2.4	2.4
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: P694804
 CATALOG NUMBER: LXF.LXT-PA16-30-730-U-T2R-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
2.5°	76.8	75.6	74.4	73.3	70.9	69.7	69.7	68.5	68.5	68.5	68.5
5°	80.3	79.2	75.6	72.1	68.5	66.2	63.8	63.8	62.6	61.4	61.4
7.5°	88.6	85.1	79.2	73.3	69.7	65.0	62.6	60.3	59.1	59.1	59.1
10°	100.4	95.7	86.2	78.0	72.1	66.2	62.6	60.3	59.1	57.9	57.9
12.5°	117.0	111.1	96.9	86.2	75.6	69.7	65.0	62.6	61.4	61.4	61.4
15°	140.6	131.1	113.4	95.7	83.9	73.3	70.9	70.9	72.1	72.1	72.1
17.5°	171.3	157.1	130.0	107.5	92.2	82.7	79.2	80.3	82.7	82.7	82.7
20°	204.4	187.9	151.2	122.9	102.8	94.5	89.8	92.2	95.7	98.1	98.1
22.5°	250.5	226.8	177.2	139.4	115.8	105.2	102.8	105.2	111.1	113.4	113.4
25°	303.6	268.2	204.4	157.1	130.0	118.1	115.8	119.3	126.4	132.3	132.3
27.5°	359.2	314.3	233.9	174.9	143.0	128.8	127.6	133.5	143.0	148.9	150.0
30°	423.0	361.5	261.1	192.6	156.0	139.4	139.4	148.9	159.5	167.8	169.0
32.5°	485.6	411.2	284.7	207.9	167.8	148.9	150.0	161.9	176.0	183.1	185.5
35°	549.4	453.7	306.0	220.9	176.0	157.1	159.5	174.9	189.0	197.3	197.3
37.5°	610.8	492.7	316.6	228.0	183.1	163.0	167.8	185.5	199.7	206.8	207.9
40°	669.9	522.2	323.7	232.8	187.9	169.0	173.7	192.6	207.9	215.0	215.0
42.5°	721.9	547.0	324.9	233.9	191.4	172.5	179.6	198.5	212.7	217.4	218.6
45°	775.1	568.3	319.0	231.6	193.8	176.0	181.9	202.0	215.0	218.6	219.8
47.5°	823.5	586.0	311.9	229.2	194.9	177.2	184.3	204.4	216.2	217.4	218.6
50°	880.2	600.2	301.3	225.7	196.1	178.4	185.5	204.4	216.2	216.2	216.2
52.5°	934.6	612.0	290.6	222.1	196.1	178.4	185.5	205.6	216.2	215.0	215.0
55°	993.6	622.6	280.0	219.8	194.9	178.4	185.5	205.6	215.0	213.8	215.0
57.5°	1039.7	627.4	271.7	217.4	194.9	177.2	184.3	204.4	213.8	213.8	213.8
60°	1079.9	626.2	261.1	215.0	193.8	176.0	184.3	203.2	213.8	213.8	213.8
62.5°	1103.5	615.6	250.5	212.7	191.4	173.7	183.1	203.2	213.8	215.0	215.0
65°	1094.1	596.7	236.3	206.8	186.7	171.3	181.9	200.9	212.7	216.2	217.4
67.5°	1053.9	554.1	220.9	198.5	181.9	169.0	180.8	198.5	210.3	216.2	216.2
70°	970.0	501.0	200.9	186.7	173.7	165.4	177.2	194.9	205.6	212.7	212.7
72.5°	853.0	432.4	181.9	171.3	164.2	159.5	173.7	189.0	198.5	204.4	204.4
75°	708.9	359.2	159.5	153.6	152.4	151.2	166.6	180.8	186.7	191.4	191.4
77.5°	554.1	289.5	135.9	135.9	135.9	140.6	157.1	166.6	171.3	176.0	176.0
80°	405.3	220.9	114.6	115.8	119.3	128.8	143.0	150.0	152.4	157.1	154.8
82.5°	276.5	160.7	95.7	95.7	102.8	113.4	127.6	131.1	132.3	135.9	132.3
85°	181.9	115.8	79.2	79.2	86.2	96.9	107.5	109.9	109.9	112.2	108.7
87.5°	118.1	85.1	65.0	65.0	69.7	80.3	88.6	88.6	88.6	91.0	87.4
90°	83.9	65.0	54.3	53.2	56.7	65.0	70.9	69.7	69.7	70.9	68.5
92.5°	61.4	53.2	46.1	44.9	47.3	53.2	56.7	55.5	56.7	55.5	54.3
95°	48.4	43.7	40.2	39.0	40.2	43.7	46.1	44.9	44.9	43.7	42.5
97.5°	39.0	36.6	35.4	34.3	34.3	35.4	37.8	36.6	37.8	35.4	34.3
100°	31.9	30.7	30.7	30.7	29.5	30.7	31.9	31.9	31.9	29.5	29.5
102.5°	24.8	26.0	27.2	27.2	26.0	27.2	27.2	27.2	27.2	24.8	24.8
105°	20.1	21.3	23.6	23.6	23.6	23.6	23.6	23.6	23.6	21.3	21.3
107.5°	16.5	17.7	20.1	21.3	20.1	20.1	21.3	21.3	20.1	18.9	18.9
110°	14.2	15.4	16.5	17.7	17.7	17.7	18.9	18.9	17.7	16.5	15.4

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	11.8	13.0	15.4	15.4	16.5	16.5	16.5	16.5	15.4	14.2	14.2
115°	10.6	11.8	13.0	14.2	14.2	14.2	15.4	14.2	13.0	13.0	13.0
117.5°	9.5	10.6	11.8	13.0	13.0	13.0	13.0	13.0	11.8	11.8	11.8
120°	8.3	9.5	10.6	11.8	11.8	11.8	11.8	11.8	10.6	10.6	10.6
122.5°	8.3	8.3	9.5	10.6	10.6	10.6	10.6	10.6	9.5	9.5	9.5
125°	7.1	8.3	9.5	9.5	9.5	9.5	9.5	9.5	8.3	8.3	9.5
127.5°	7.1	7.1	8.3	8.3	9.5	9.5	8.3	8.3	8.3	8.3	8.3
130°	7.1	7.1	7.1	8.3	8.3	8.3	8.3	7.1	7.1	7.1	7.1
132.5°	5.9	7.1	7.1	7.1	7.1	7.1	7.1	5.9	5.9	7.1	7.1
135°	5.9	5.9	5.9	7.1	7.1	5.9	5.9	5.9	5.9	5.9	5.9
137.5°	5.9	5.9	5.9	5.9	5.9	5.9	4.7	4.7	4.7	5.9	5.9
140°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
142.5°	4.7	4.7	4.7	4.7	4.7	3.5	3.5	3.5	4.7	4.7	4.7
145°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
147.5°	3.5	3.5	3.5	3.5	2.4	2.4	2.4	2.4	3.5	3.5	3.5
150°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	3.5	2.4	2.4
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)