

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: P694969

Luminaire Tested: **LXF.LXT-PA16-30-827-U-T4W-TL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694969
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-25)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-30-827-U-T4W-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2698 lumens
Efficiency: N/A
Efficacy: 92.4 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 - G2

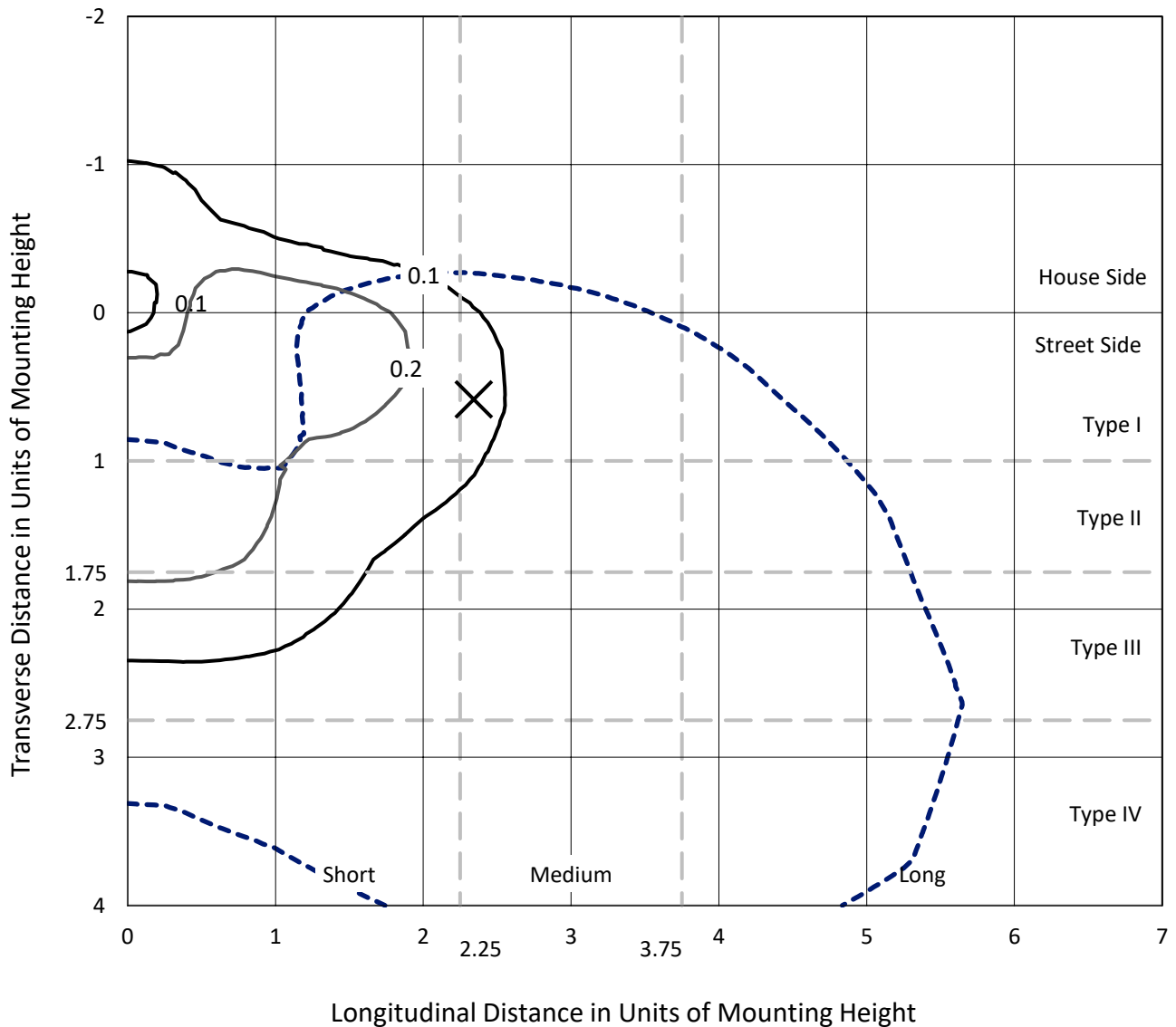
Input Watts (W): 29.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P694969
 CATALOG NUMBER: LXF.LXT-PA16-30-827-U-T4W-TL

Iso-Footcandle Lines of Horizontal Illumination

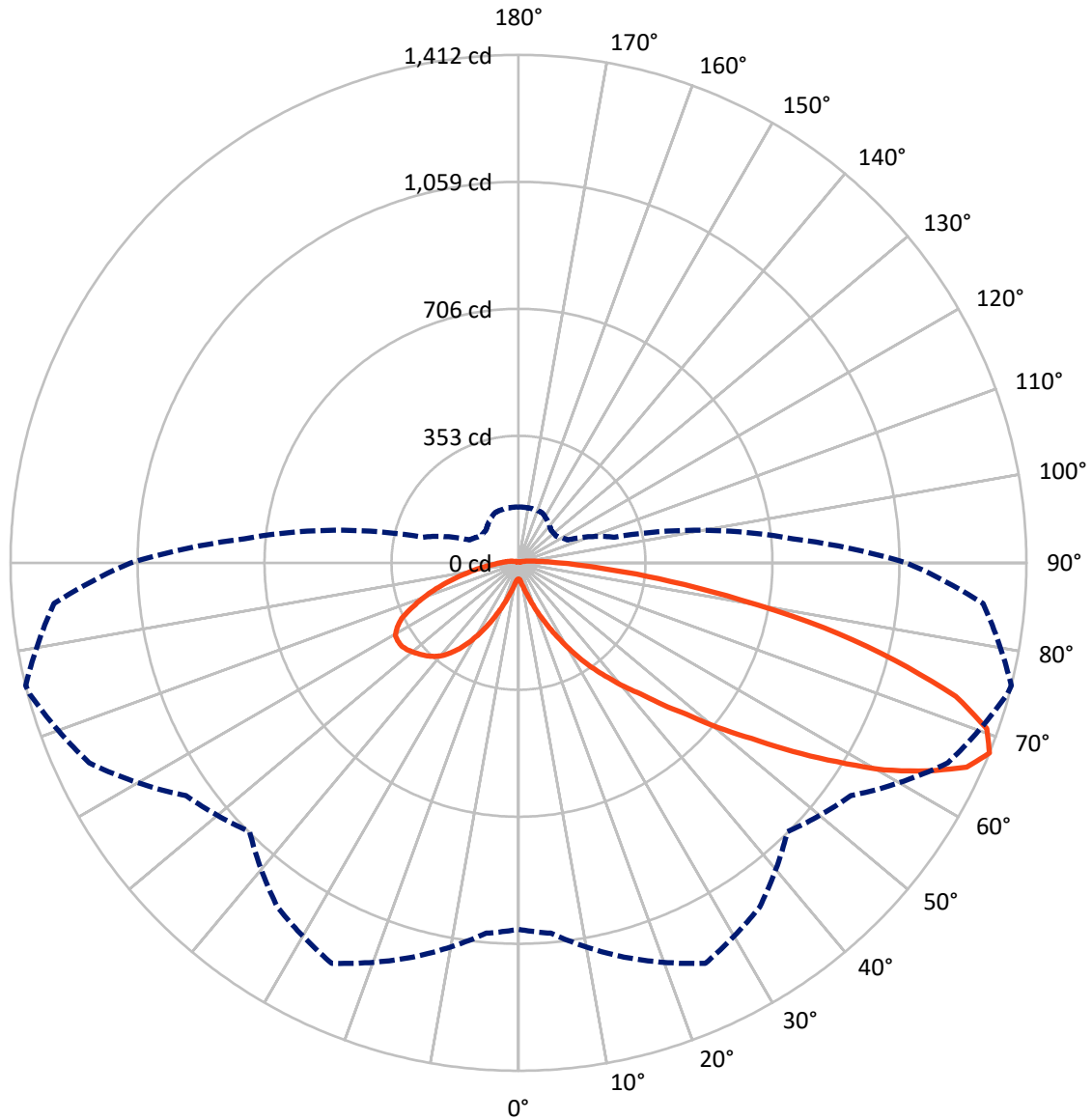
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
 Type IV - Medium - N/A

REPORT NUMBER: P694969
CATALOG NUMBER: LXF.LXT-PA16-30-827-U-T4W-TL

Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P694969
 CATALOG NUMBER: LXF.LXT-PA16-30-827-U-T4W-TL

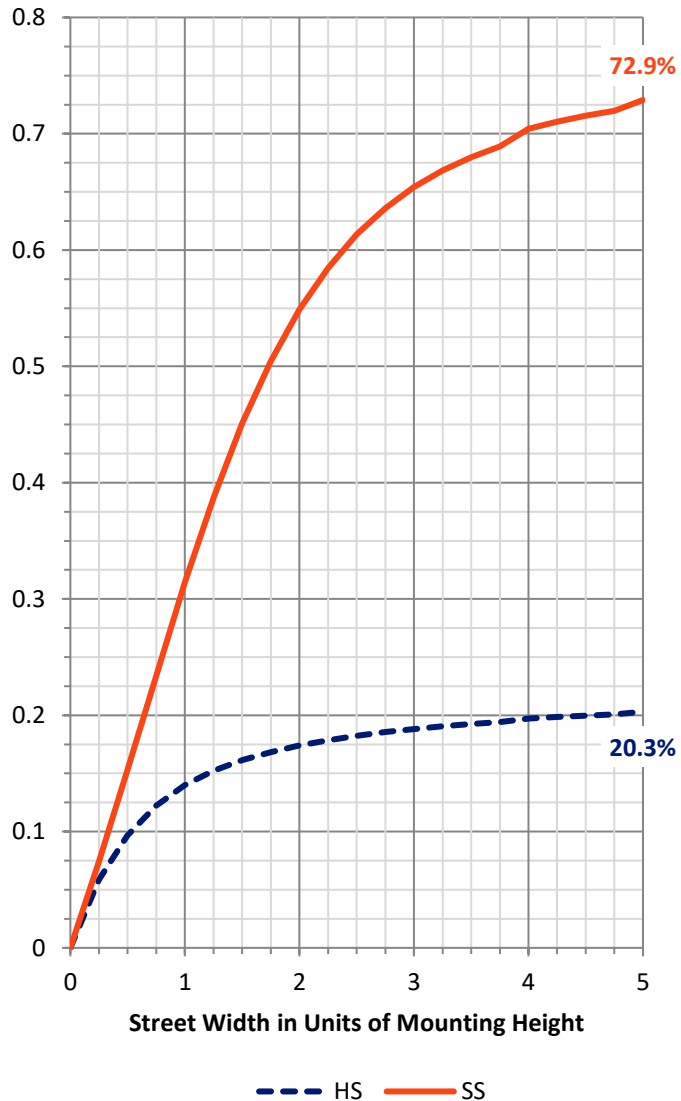
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	577.8	46.6	624.4
	% Fixture	21.4	1.7	23.1
Street Side	Lumens	2026.5	47.1	2073.6
	% Fixture	75.1	1.7	76.9
Total	Lumens	2604.3	93.7	2698.0
	% Fixture	96.5	3.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.1	0.2
10°-20°	26.6	1.0
20°-30°	84.2	3.1
30°-40°	187.7	7.0
40°-50°	322.1	11.9
50°-60°	502.5	18.6
60°-70°	688.0	25.5
70°-80°	576.6	21.4
80°-90°	211.6	7.8
90°-100°	53.3	2.0
100°-110°	20.3	0.8
110°-120°	9.7	0.4
120°-130°	5.5	0.2
130°-140°	3.2	0.1
140°-150°	1.6	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2604.3	96.5
0°-180°	2698.0	100.0

Coefficient of Utilization

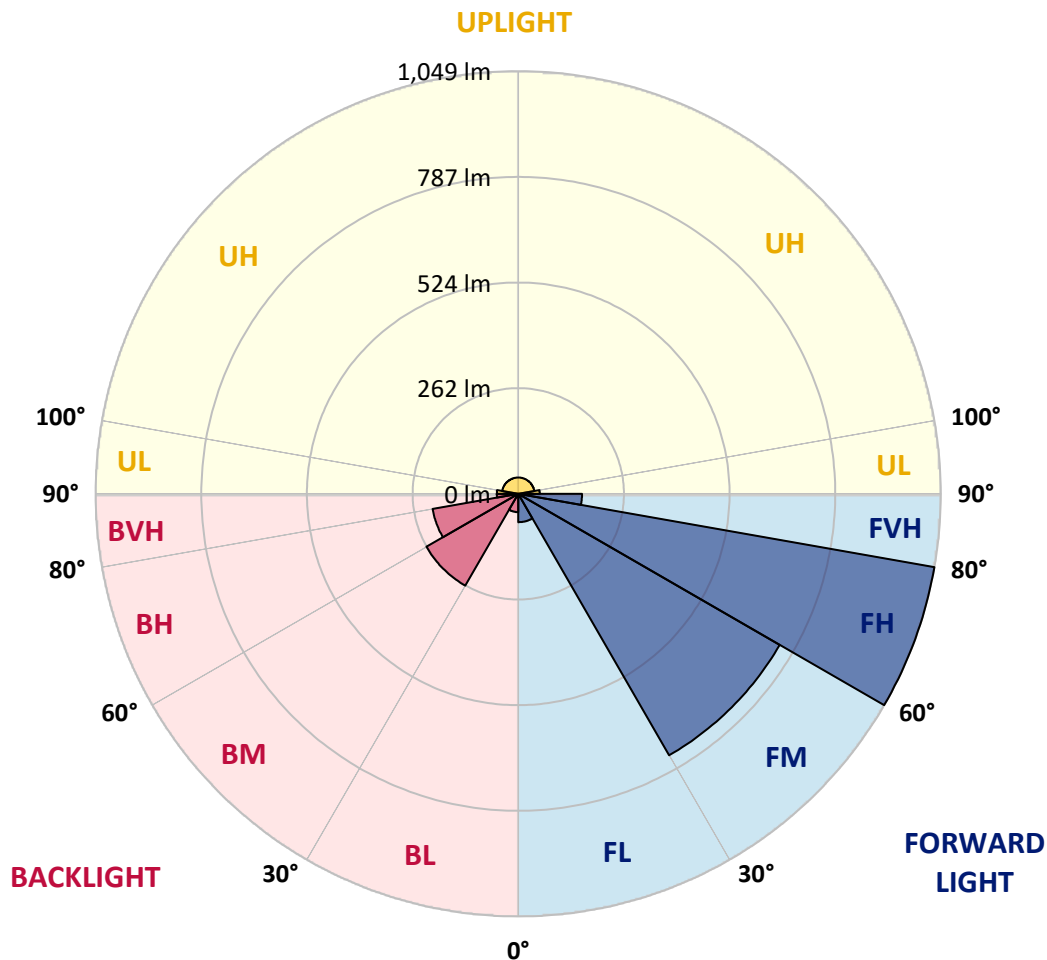


REPORT NUMBER: P694969
 CATALOG NUMBER: LXF.LXT-PA16-30-827-U-T4W-TL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	70.4	2.6			
FM (30°-60°)	749.2	27.8			
FH (60°-80°)	1048.7	38.9			G1/1800
FVH (80°-90°)	158.2	5.9			G2/225
BL (0°-30°)	45.5	1.7	B0/110		
BM (30°-60°)	263.1	9.8	B1/1000		
BH (60°-80°)	215.8	8.0	B1/500		G1/500
BVH (80°-90°)	53.4	2.0			G1/100
UL (90°-100°)	53.3	2.0		U3/500	
UH (100°-180°)	40.4	1.5		U2/50	

BUG Rating: B1-U3-G2
 Type IV Medium



REPORT NUMBER: P694969
 CATALOG NUMBER: LXF.LXT-PA16-30-827-U-T4W-TL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
2.5°	47.8	47.8	47.8	47.8	48.8	47.8	47.8	46.8	46.8	45.8	45.8
5°	54.6	54.6	54.6	54.6	54.6	53.6	52.7	51.7	50.7	49.7	49.7
7.5°	64.4	64.4	64.4	63.4	62.4	61.4	60.5	58.5	56.6	56.6	54.6
10°	78.0	78.0	78.0	77.0	74.1	72.2	70.2	67.3	66.3	65.3	63.4
12.5°	96.6	96.6	94.6	92.7	88.7	85.8	82.9	80.0	79.0	78.0	75.1
15°	120.0	119.0	117.0	111.2	107.3	102.4	99.5	96.6	93.6	93.6	92.7
17.5°	148.2	147.3	142.4	134.6	128.7	120.9	117.0	115.1	115.1	114.1	112.2
20°	182.4	182.4	175.5	163.8	152.1	142.4	139.5	138.5	138.5	139.5	136.5
22.5°	226.3	225.3	215.5	196.0	179.4	166.8	163.8	163.8	166.8	166.8	165.8
25°	275.0	274.0	256.5	235.0	208.7	195.1	188.2	193.1	199.9	200.9	201.9
27.5°	334.5	330.6	310.1	277.0	242.8	221.4	216.5	224.3	238.0	237.0	238.9
30°	396.0	394.0	365.7	324.8	278.9	249.7	245.8	260.4	276.0	277.0	281.9
32.5°	468.1	457.4	431.1	376.5	316.0	279.9	274.0	295.5	318.9	320.9	325.7
35°	540.3	539.3	496.4	432.0	355.0	308.2	303.3	328.7	361.8	362.8	369.6
37.5°	613.4	609.5	568.6	486.7	397.9	340.4	332.6	365.7	402.8	404.7	414.5
40°	690.5	685.6	641.7	545.2	442.8	375.5	366.7	405.7	448.6	452.5	464.2
42.5°	757.8	756.8	714.9	609.5	486.7	409.6	403.8	445.7	496.4	498.4	515.9
45°	831.9	819.2	780.2	673.9	541.3	451.5	445.7	497.4	554.9	562.7	577.4
47.5°	890.4	884.6	848.5	744.1	596.9	497.4	491.5	553.0	623.2	630.0	642.7
50°	949.9	943.1	910.9	810.4	657.3	551.0	550.1	623.2	709.0	719.7	733.4
52.5°	998.7	994.8	975.3	881.6	721.7	604.7	615.4	706.1	803.6	811.4	825.1
55°	1044.5	1041.6	1037.7	960.6	798.7	675.9	684.6	798.7	910.9	925.5	947.0
57.5°	1078.6	1083.5	1091.3	1037.7	879.7	747.1	765.6	911.9	1029.9	1043.5	1065.0
60°	1102.1	1109.9	1138.1	1114.7	964.5	826.1	865.1	1016.2	1153.7	1169.3	1180.1
62.5°	1105.0	1117.7	1175.2	1180.1	1044.5	908.9	952.8	1127.4	1271.7	1274.7	1262.0
65°	1082.5	1092.3	1173.2	1220.1	1115.7	989.9	1049.4	1241.5	1362.4	1369.3	1310.8
67.5°	1019.2	1033.8	1135.2	1228.8	1168.4	1057.2	1128.4	1316.6	1407.3	1412.2	1296.1
70°	901.1	927.5	1048.4	1178.1	1179.1	1094.2	1180.1	1348.8	1386.8	1381.0	1208.4
72.5°	758.8	765.6	899.2	1072.8	1138.1	1093.3	1174.2	1309.8	1282.5	1271.7	1044.5
75°	554.9	573.5	698.3	909.9	1040.6	1028.9	1105.0	1193.7	1100.1	1080.6	851.4
77.5°	375.5	395.0	493.5	698.3	875.8	913.8	978.2	1004.5	885.5	869.0	624.2
80°	236.0	249.7	318.9	487.6	686.6	746.1	794.8	778.3	642.7	627.1	443.7
82.5°	131.7	138.5	195.1	317.9	483.7	567.6	605.6	564.7	442.8	425.2	287.7
85°	69.2	78.0	110.2	193.1	322.8	403.8	434.0	373.5	272.1	266.2	179.4
87.5°	38.0	41.9	63.4	116.1	199.9	274.0	287.7	235.0	168.7	160.9	114.1
90°	23.4	25.4	37.1	69.2	123.9	171.6	180.4	147.3	105.3	103.4	76.1
92.5°	15.6	16.6	25.4	44.9	78.0	110.2	116.1	91.7	69.2	67.3	54.6
95°	11.7	12.7	19.5	32.2	53.6	75.1	74.1	62.4	46.8	45.8	40.0
97.5°	9.8	10.7	16.6	25.4	39.0	50.7	50.7	41.0	34.1	34.1	31.2
100°	8.8	8.8	13.7	20.5	29.3	37.1	37.1	30.2	25.4	25.4	23.4
102.5°	7.8	7.8	11.7	17.6	23.4	29.3	28.3	23.4	19.5	19.5	18.5
105°	6.8	6.8	10.7	14.6	19.5	23.4	22.4	18.5	15.6	14.6	13.7
107.5°	5.9	5.9	8.8	12.7	17.6	19.5	18.5	15.6	11.7	11.7	10.7
110°	5.9	5.9	7.8	11.7	14.6	16.6	15.6	12.7	9.8	9.8	8.8

REPORT NUMBER: P694969
 CATALOG NUMBER: LXF.LXT-PA16-30-827-U-T4W-TL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
112.5°	4.9	4.9	6.8	9.8	12.7	14.6	13.7	10.7	7.8	7.8	7.8
115°	4.9	4.9	5.9	8.8	10.7	12.7	11.7	8.8	6.8	6.8	6.8
117.5°	4.9	4.9	5.9	7.8	9.8	10.7	9.8	7.8	5.9	5.9	5.9
120°	3.9	3.9	4.9	6.8	8.8	9.8	8.8	6.8	4.9	4.9	5.9
122.5°	3.9	3.9	4.9	5.9	7.8	8.8	7.8	5.9	4.9	4.9	4.9
125°	3.9	3.9	4.9	5.9	6.8	7.8	6.8	4.9	4.9	4.9	4.9
127.5°	3.9	3.9	3.9	4.9	5.9	6.8	5.9	4.9	3.9	3.9	4.9
130°	3.9	3.9	3.9	4.9	5.9	5.9	4.9	3.9	3.9	3.9	4.9
132.5°	3.9	3.9	3.9	3.9	4.9	4.9	4.9	3.9	3.9	3.9	3.9
135°	3.9	3.9	3.9	3.9	4.9	4.9	3.9	3.9	3.9	3.9	3.9
137.5°	3.9	2.9	2.9	3.9	3.9	3.9	3.9	2.9	2.9	2.9	3.9
140°	2.9	2.9	2.9	2.9	3.9	3.9	2.9	2.9	2.9	2.9	2.9
142.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
145°	2.9	2.9	2.9	2.0	2.9	2.9	2.0	2.0	2.0	2.9	2.9
147.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
150°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
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: P694969
 CATALOG NUMBER: LXF.LXT-PA16-30-827-U-T4W-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
2.5°	45.8	44.9	44.9	44.9	44.9	43.9	43.9	43.9	43.9	42.9	43.9
5°	48.8	48.8	47.8	45.8	45.8	44.9	44.9	43.9	43.9	42.9	42.9
7.5°	54.6	53.6	51.7	50.7	48.8	47.8	46.8	45.8	45.8	44.9	44.9
10°	62.4	61.4	58.5	56.6	54.6	52.7	51.7	50.7	49.7	48.8	48.8
12.5°	74.1	72.2	69.2	64.4	62.4	59.5	57.5	56.6	56.6	56.6	55.6
15°	90.7	87.8	82.9	77.0	71.2	67.3	66.3	66.3	66.3	67.3	67.3
17.5°	110.2	106.3	100.5	90.7	82.9	78.0	77.0	77.0	78.0	80.0	80.0
20°	134.6	129.7	120.9	108.3	96.6	89.7	87.8	89.7	93.6	94.6	94.6
22.5°	162.9	159.0	144.3	125.8	111.2	102.4	100.5	102.4	107.3	111.2	112.2
25°	197.0	191.2	170.7	146.3	125.8	115.1	112.2	117.0	123.9	129.7	129.7
27.5°	235.0	228.2	199.9	167.7	140.4	125.8	122.9	129.7	141.4	148.2	149.2
30°	276.0	265.3	228.2	188.2	153.1	135.6	133.6	143.4	157.0	165.8	166.8
32.5°	320.9	303.3	257.5	206.8	164.8	142.4	141.4	154.1	170.7	181.4	182.4
35°	362.8	343.3	283.8	220.4	172.6	147.3	147.3	161.9	181.4	192.1	193.1
37.5°	403.8	378.4	306.2	231.1	176.5	149.2	150.2	167.7	187.3	198.0	199.0
40°	448.6	416.4	325.7	236.0	177.5	150.2	152.1	170.7	188.2	199.0	199.0
42.5°	495.4	456.4	338.4	236.0	175.5	149.2	151.2	169.7	186.3	194.1	195.1
45°	550.1	499.3	347.2	232.1	171.6	146.3	149.2	167.7	180.4	184.3	185.3
47.5°	612.5	544.2	354.0	226.3	166.8	143.4	147.3	162.9	173.6	173.6	173.6
50°	691.5	594.9	359.9	216.5	160.9	140.4	144.3	159.0	164.8	162.9	162.9
52.5°	777.3	650.5	363.8	206.8	155.1	136.5	141.4	155.1	158.0	153.1	153.1
55°	872.9	715.8	363.8	197.0	149.2	133.6	139.5	151.2	152.1	147.3	145.3
57.5°	964.5	767.5	358.9	186.3	143.4	130.7	137.5	149.2	149.2	144.3	143.4
60°	1046.5	815.3	351.1	176.5	139.5	128.7	137.5	148.2	148.2	144.3	144.3
62.5°	1105.0	830.9	331.6	167.7	135.6	128.7	138.5	149.2	150.2	148.2	147.3
65°	1119.6	823.1	309.2	158.0	131.7	127.8	140.4	152.1	153.1	152.1	152.1
67.5°	1078.6	765.6	275.0	150.2	128.7	127.8	141.4	154.1	155.1	155.1	155.1
70°	972.3	679.8	243.8	141.4	125.8	126.8	143.4	156.0	156.0	156.0	156.0
72.5°	822.1	570.5	211.6	133.6	120.9	124.8	143.4	155.1	155.1	154.1	154.1
75°	649.5	451.5	181.4	125.8	115.1	120.9	141.4	152.1	151.2	150.2	149.2
77.5°	480.8	335.5	152.1	115.1	108.3	116.1	135.6	145.3	144.3	143.4	141.4
80°	331.6	234.1	126.8	104.4	99.5	108.3	126.8	135.6	134.6	132.6	132.6
82.5°	215.5	160.9	102.4	91.7	89.7	99.5	117.0	123.9	121.9	120.0	119.0
85°	139.5	109.2	81.9	78.0	80.0	88.7	102.4	108.3	107.3	105.3	103.4
87.5°	91.7	78.0	64.4	64.4	68.3	78.0	87.8	90.7	89.7	89.7	87.8
90°	64.4	58.5	52.7	53.6	58.5	67.3	72.2	73.1	72.2	73.1	71.2
92.5°	47.8	44.9	42.9	44.9	49.7	56.6	59.5	57.5	58.5	58.5	57.5
95°	37.1	36.1	36.1	38.0	42.9	47.8	48.8	45.8	47.8	47.8	46.8
97.5°	29.3	29.3	30.2	32.2	36.1	40.0	40.0	38.0	39.0	39.0	39.0
100°	23.4	23.4	25.4	27.3	31.2	34.1	33.2	31.2	32.2	31.2	30.2
102.5°	18.5	19.5	21.5	23.4	26.3	28.3	28.3	26.3	26.3	25.4	25.4
105°	14.6	15.6	17.6	20.5	22.4	24.4	24.4	22.4	20.5	19.5	19.5
107.5°	11.7	12.7	14.6	16.6	19.5	20.5	20.5	18.5	16.6	14.6	14.6
110°	9.8	10.7	12.7	14.6	16.6	17.6	17.6	15.6	13.7	11.7	11.7

REPORT NUMBER: P694969
 CATALOG NUMBER: LXF.LXT-PA16-30-827-U-T4W-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	8.8	8.8	10.7	12.7	13.7	14.6	14.6	13.7	10.7	9.8	9.8
115°	6.8	7.8	8.8	10.7	11.7	12.7	12.7	10.7	8.8	7.8	7.8
117.5°	6.8	6.8	7.8	9.8	10.7	11.7	10.7	9.8	7.8	6.8	6.8
120°	5.9	6.8	7.8	7.8	9.8	9.8	9.8	7.8	6.8	6.8	6.8
122.5°	5.9	5.9	6.8	7.8	7.8	8.8	8.8	6.8	5.9	5.9	5.9
125°	4.9	5.9	5.9	6.8	7.8	7.8	7.8	5.9	5.9	5.9	5.9
127.5°	4.9	4.9	5.9	5.9	6.8	6.8	6.8	5.9	4.9	4.9	4.9
130°	4.9	4.9	4.9	4.9	5.9	5.9	5.9	4.9	4.9	4.9	4.9
132.5°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	3.9	4.9	4.9
135°	3.9	3.9	3.9	3.9	4.9	4.9	3.9	3.9	3.9	3.9	3.9
137.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
140°	3.9	3.9	3.9	2.9	3.9	3.9	2.9	2.9	2.9	3.9	3.9
142.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
145°	2.9	2.9	2.9	2.0	2.0	2.9	2.9	2.9	2.9	2.9	2.9
147.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.9	2.0
150°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
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)