

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: P694781

Luminaire Tested: **LXF.LXT-PA16-30-727-U-T3-A**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694781
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-PA16-30-727-U-T3-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 560mA 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: 3003 lumens
Efficiency: N/A
Efficacy: 102.8 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 - G2

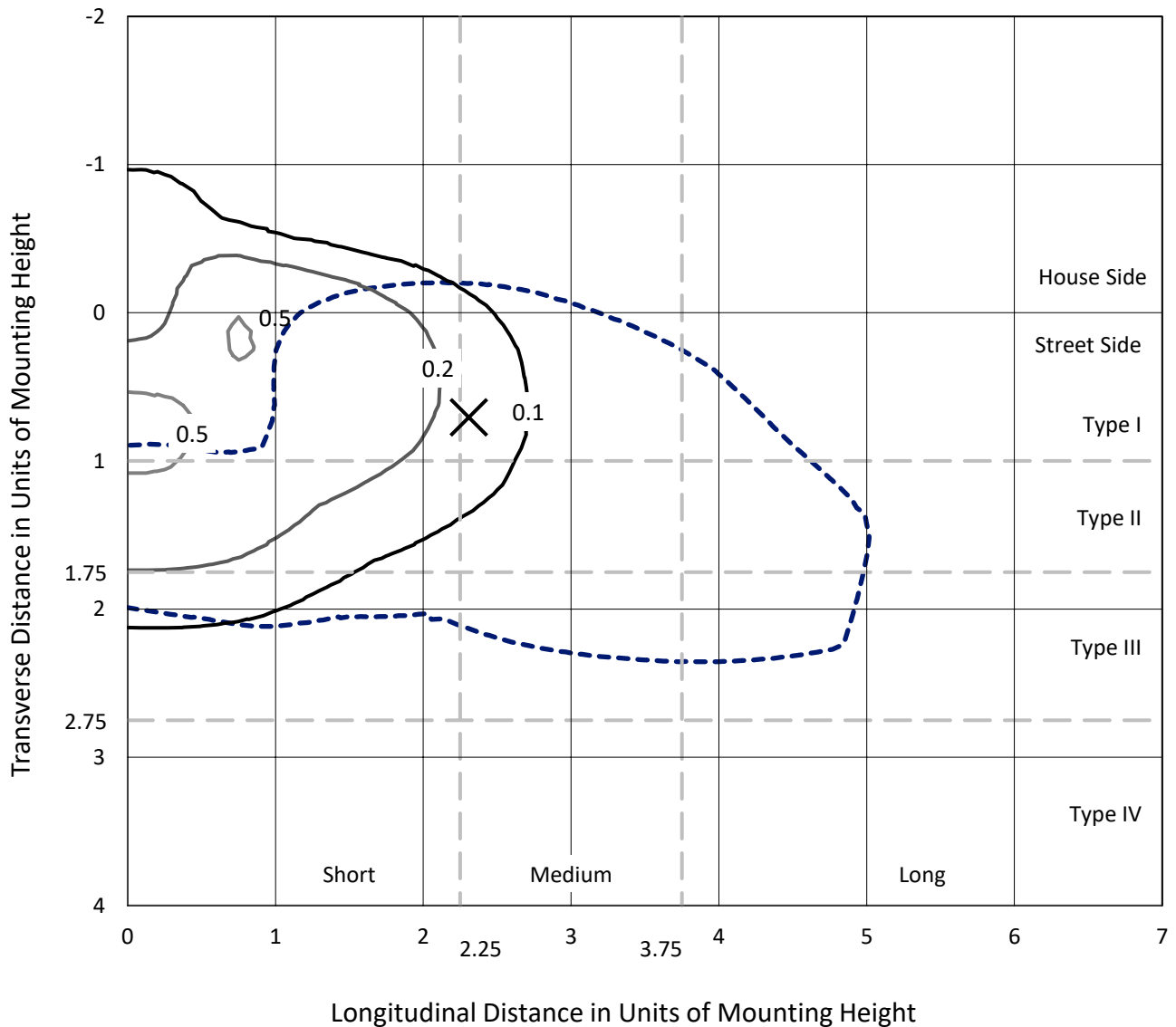
Input Watts (W): 29.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P694781
 CATALOG NUMBER: LXF.LXT-PA16-30-727-U-T3-A

Iso-Footcandle Lines of Horizontal Illumination

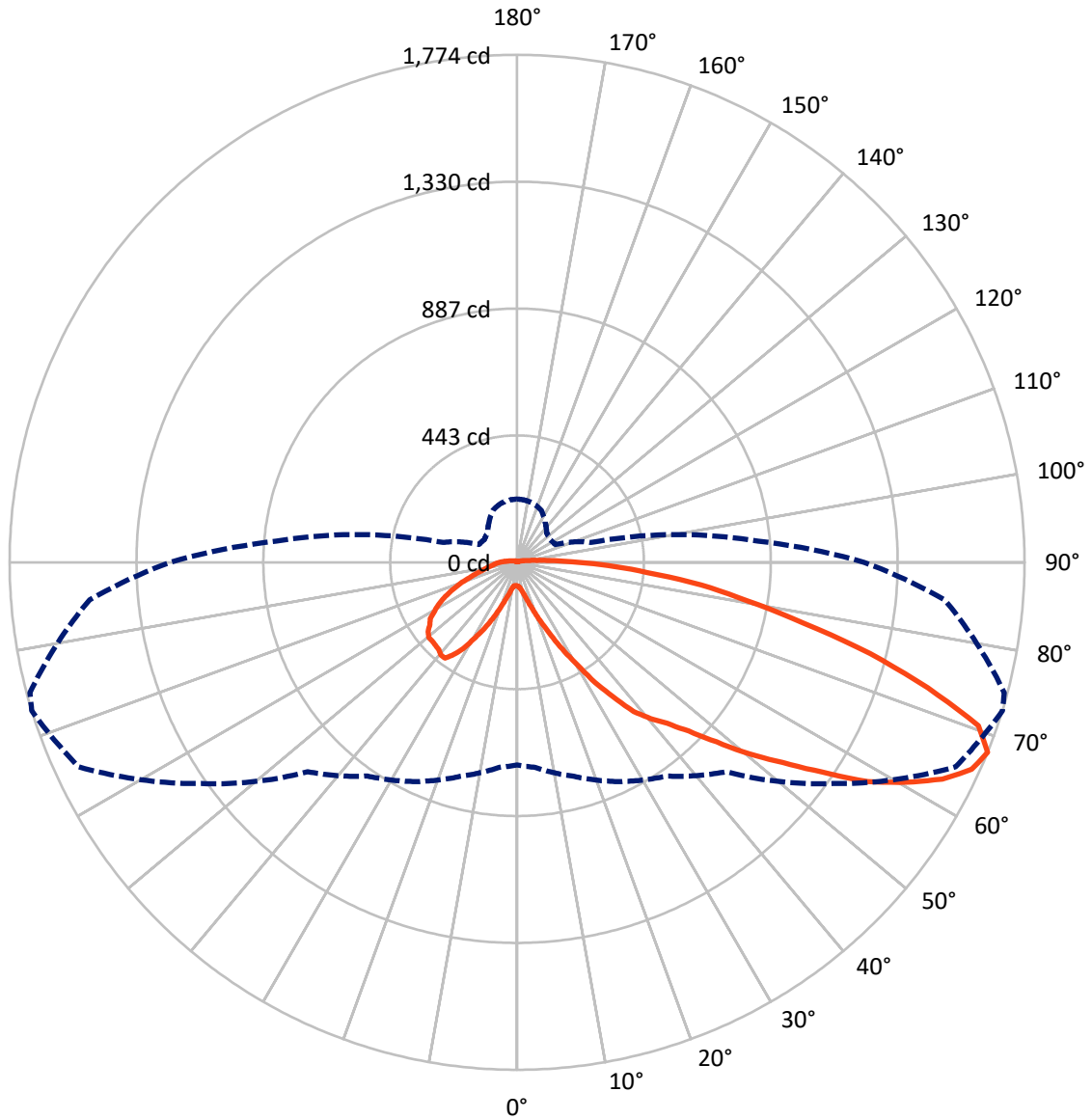
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type III - Medium - N/A

REPORT NUMBER: P694781
CATALOG NUMBER: LXF.LXT-PA16-30-727-U-T3-A

Luminous Intensity Polar Plot



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

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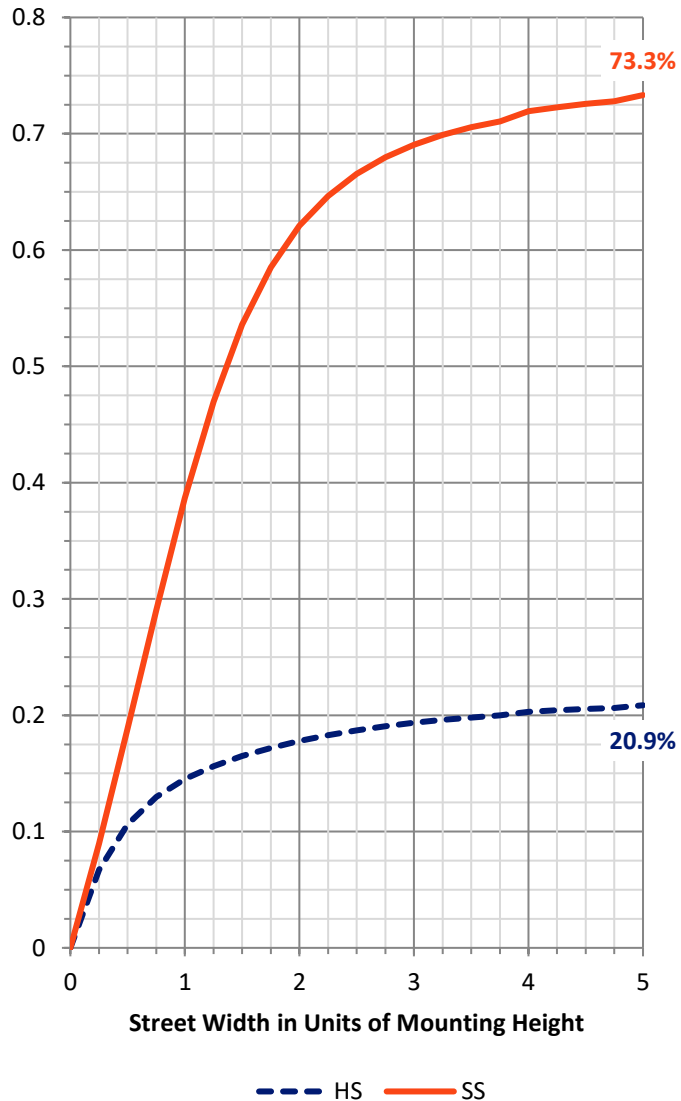
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	657.2	49.1	706.3
	% Fixture	21.9	1.6	23.5
Street Side	Lumens	2246.4	50.3	2296.7
	% Fixture	74.8	1.7	76.5
Total	Lumens	2903.6	99.4	3003.0
	% Fixture	96.7	3.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.4	0.3
10°-20°	36.9	1.2
20°-30°	113.6	3.8
30°-40°	261.5	8.7
40°-50°	423.8	14.1
50°-60°	628.7	20.9
60°-70°	732.0	24.4
70°-80°	502.8	16.7
80°-90°	195.9	6.5
90°-100°	55.6	1.9
100°-110°	20.3	0.7
110°-120°	10.5	0.3
120°-130°	6.5	0.2
130°-140°	4.3	0.1
140°-150°	2.0	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2903.6	96.7
0°-180°	3003.0	100.0

Coefficient of Utilization

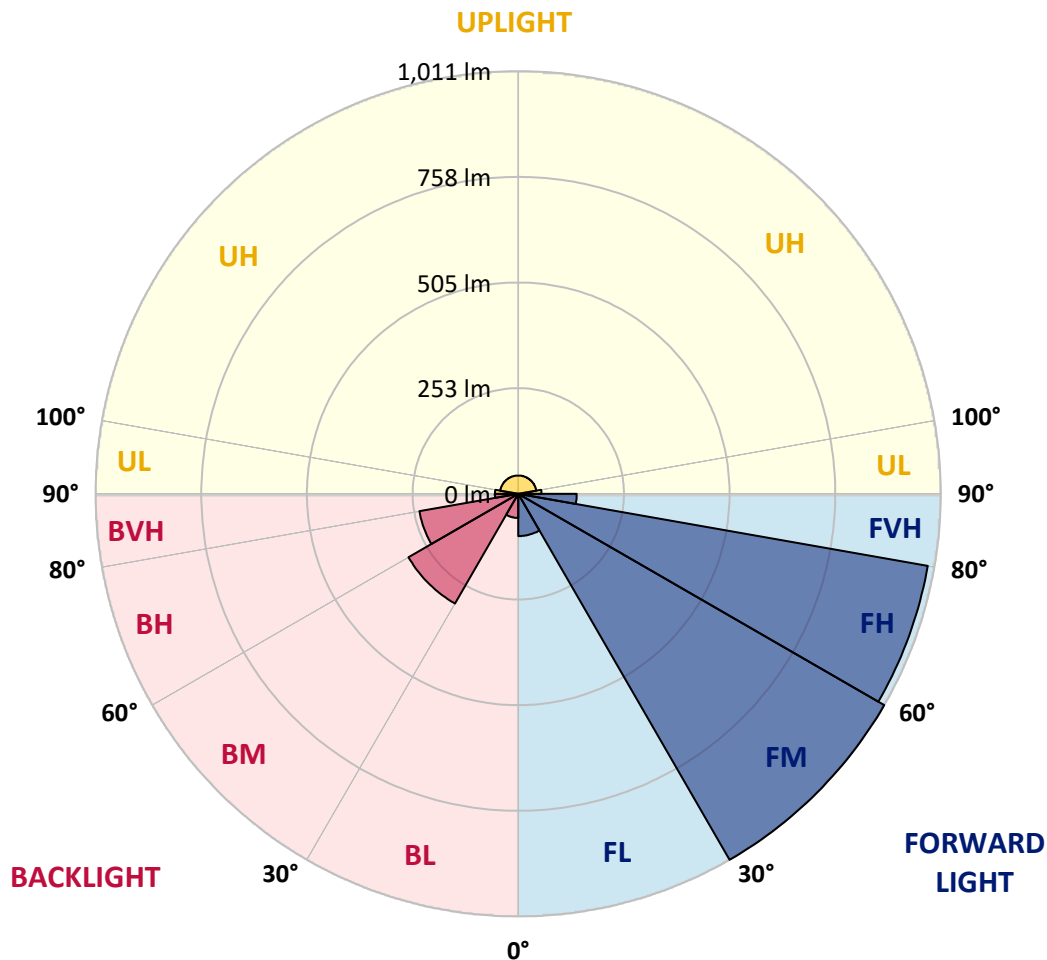


REPORT NUMBER: P694781
 CATALOG NUMBER: LXF.LXT-PA16-30-727-U-T3-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	101.1	3.4			
FM (30°-60°)	1010.9	33.7			
FH (60°-80°)	994.7	33.1			G1/1800
FVH (80°-90°)	139.7	4.7			G2/225
BL (0°-30°)	57.8	1.9	B0/110		
BM (30°-60°)	303.1	10.1	B1/1000		
BH (60°-80°)	240.1	8.0	B1/500		G1/500
BVH (80°-90°)	56.1	1.9			G1/100
UL (90°-100°)	55.6	1.9		U3/500	
UH (100°-180°)	43.8	1.5		U2/50	

BUG Rating: B1-U3-G2
 Type III Medium



REPORT NUMBER: P694781
 CATALOG NUMBER: LXF.LXT-PA16-30-727-U-T3-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
0°	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
2.5°	87.1	88.1	88.1	88.1	88.1	87.1	86.0	84.9	84.9	83.8	82.7
5°	97.9	97.9	96.8	96.8	95.8	94.7	92.5	90.3	88.1	88.1	86.0
7.5°	107.7	108.8	108.8	106.6	105.6	103.4	100.1	96.8	94.7	93.6	90.3
10°	123.0	124.1	123.0	120.8	118.6	115.3	111.0	107.7	104.5	102.3	99.0
12.5°	143.6	143.6	142.6	138.2	133.8	130.6	126.2	123.0	118.6	118.6	114.3
15°	168.7	169.8	166.5	163.2	156.7	151.3	145.8	143.6	141.5	141.5	136.0
17.5°	200.2	201.3	197.0	188.3	180.6	176.3	173.0	169.8	167.6	167.6	162.1
20°	247.0	240.5	239.4	220.9	212.2	205.7	203.5	201.3	202.4	200.2	197.0
22.5°	299.2	294.9	288.4	266.6	250.3	240.5	237.2	238.3	241.6	241.6	240.5
25°	361.3	362.4	346.0	318.8	293.8	279.7	278.6	289.5	292.7	294.9	293.8
27.5°	432.0	436.4	410.2	380.9	346.0	322.1	324.3	342.8	353.7	354.7	353.7
30°	523.4	525.6	492.9	447.2	398.3	371.1	377.6	403.7	415.7	420.0	422.2
32.5°	627.9	627.9	590.9	531.0	458.1	420.0	426.6	472.3	500.6	499.5	506.0
35°	728.0	720.4	688.8	612.6	524.5	472.3	488.6	540.8	575.6	582.2	578.9
37.5°	797.6	803.1	773.7	699.7	592.0	526.7	549.5	615.9	661.6	661.6	652.9
40°	843.3	849.9	822.7	759.5	658.3	586.5	611.6	683.4	718.2	720.4	688.8
42.5°	892.3	897.7	879.2	814.0	713.8	643.1	666.0	734.5	769.3	768.3	735.6
45°	946.7	954.3	945.6	879.2	769.3	696.4	716.0	795.5	841.2	848.8	806.3
47.5°	1013.1	1018.5	1008.7	943.4	831.4	750.8	781.3	878.2	938.0	939.1	890.1
50°	1050.1	1061.0	1076.2	1025.1	902.1	811.8	858.6	982.6	1052.3	1065.3	1000.0
52.5°	1072.9	1084.9	1109.9	1099.1	991.3	892.3	961.9	1102.3	1162.2	1180.7	1086.0
55°	1111.0	1124.1	1151.3	1136.1	1061.0	984.8	1058.8	1224.2	1293.8	1302.5	1218.8
57.5°	1057.7	1070.8	1144.8	1174.1	1108.8	1065.3	1162.2	1360.2	1446.2	1459.2	1342.8
60°	1009.8	1018.5	1067.5	1151.3	1137.1	1123.0	1273.2	1490.8	1561.5	1565.9	1416.8
62.5°	920.6	940.2	996.8	1065.3	1103.4	1143.7	1353.7	1594.2	1668.2	1675.8	1489.7
65°	796.5	810.7	873.8	971.7	1017.4	1109.9	1387.4	1678.0	1745.4	1741.1	1525.6
67.5°	708.4	719.3	774.8	845.5	911.9	1034.9	1348.2	1691.0	1773.7	1762.8	1499.5
70°	556.1	569.1	632.2	743.2	795.5	917.3	1255.8	1638.8	1710.6	1700.8	1380.9
72.5°	442.9	454.9	514.7	608.3	696.4	794.4	1132.8	1472.3	1500.6	1475.6	1163.3
75°	324.3	340.6	380.9	465.7	571.3	686.6	954.3	1251.4	1274.3	1250.3	944.5
77.5°	224.2	225.3	261.2	341.7	433.1	578.9	792.2	1039.2	1024.0	998.9	722.5
80°	143.6	145.8	168.7	220.9	314.5	437.4	639.8	828.1	814.0	803.1	553.9
82.5°	92.5	89.2	108.8	144.7	213.3	317.7	497.3	663.8	648.6	622.4	418.9
85°	58.8	60.9	71.8	94.7	145.8	231.8	371.1	475.5	455.9	432.0	286.2
87.5°	44.6	45.7	52.2	67.5	99.0	163.2	253.5	330.8	317.7	294.9	192.6
90°	33.7	34.8	39.2	49.0	68.6	111.0	168.7	207.8	192.6	180.6	124.1
92.5°	23.9	25.0	29.4	37.0	51.1	77.3	108.8	121.9	113.2	108.8	80.5
95°	17.4	18.5	21.8	27.2	38.1	53.3	68.6	74.0	68.6	66.4	56.6
97.5°	14.1	15.2	16.3	20.7	29.4	39.2	46.8	47.9	46.8	44.6	42.4
100°	12.0	12.0	14.1	16.3	22.9	31.6	34.8	34.8	34.8	34.8	32.6
102.5°	9.8	9.8	12.0	14.1	18.5	25.0	27.2	27.2	26.1	27.2	26.1
105°	8.7	8.7	9.8	12.0	16.3	20.7	21.8	20.7	20.7	20.7	20.7
107.5°	7.6	7.6	8.7	10.9	14.1	17.4	18.5	17.4	16.3	16.3	17.4
110°	6.5	6.5	7.6	8.7	12.0	15.2	15.2	13.1	13.1	13.1	14.1

REPORT NUMBER: P694781
 CATALOG NUMBER: LXF.LXT-PA16-30-727-U-T3-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
112.5°	6.5	6.5	7.6	8.7	10.9	13.1	12.0	10.9	10.9	10.9	12.0
115°	6.5	6.5	6.5	7.6	9.8	10.9	10.9	9.8	8.7	9.8	10.9
117.5°	6.5	6.5	6.5	7.6	8.7	9.8	9.8	8.7	7.6	8.7	9.8
120°	6.5	6.5	6.5	7.6	8.7	8.7	8.7	7.6	7.6	7.6	8.7
122.5°	5.4	5.4	6.5	6.5	7.6	7.6	7.6	6.5	6.5	6.5	8.7
125°	5.4	5.4	6.5	6.5	7.6	7.6	6.5	6.5	6.5	6.5	7.6
127.5°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	5.4	6.5	6.5	7.6
130°	6.5	6.5	6.5	6.5	6.5	6.5	5.4	5.4	6.5	6.5	7.6
132.5°	6.5	6.5	6.5	6.5	6.5	5.4	5.4	5.4	5.4	6.5	6.5
135°	6.5	6.5	6.5	6.5	5.4	5.4	4.4	5.4	5.4	5.4	6.5
137.5°	5.4	5.4	5.4	5.4	5.4	4.4	4.4	4.4	4.4	5.4	5.4
140°	5.4	4.4	4.4	4.4	4.4	4.4	3.3	3.3	4.4	4.4	5.4
142.5°	4.4	4.4	4.4	4.4	3.3	3.3	3.3	3.3	3.3	4.4	4.4
145°	3.3	3.3	3.3	3.3	3.3	2.2	2.2	2.2	3.3	3.3	3.3
147.5°	3.3	2.2	3.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3.3
150°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
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: P694781
 CATALOG NUMBER: LXF.LXT-PA16-30-727-U-T3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
2.5°	82.7	81.6	81.6	80.5	79.4	79.4	78.3	78.3	78.3	78.3	77.3
5°	84.9	83.8	81.6	79.4	77.3	76.2	75.1	74.0	72.9	72.9	72.9
7.5°	88.1	87.1	83.8	80.5	77.3	74.0	71.8	70.7	69.6	68.6	68.6
10°	96.8	93.6	88.1	82.7	78.3	74.0	70.7	68.6	67.5	66.4	66.4
12.5°	108.8	107.7	99.0	90.3	82.7	76.2	71.8	70.7	69.6	69.6	68.6
15°	131.7	127.3	117.5	103.4	91.4	81.6	78.3	77.3	79.4	79.4	80.5
17.5°	156.7	151.3	138.2	120.8	104.5	93.6	89.2	90.3	92.5	94.7	94.7
20°	189.3	183.9	166.5	141.5	121.9	108.8	103.4	103.4	107.7	111.0	111.0
22.5°	234.0	224.2	199.1	165.4	139.3	124.1	116.4	115.3	120.8	124.1	124.1
25°	286.2	272.0	239.4	194.8	157.8	136.0	127.3	128.4	134.9	140.4	140.4
27.5°	340.6	325.4	279.7	222.0	175.2	144.7	137.1	141.5	150.2	155.6	156.7
30°	407.0	386.3	322.1	249.2	188.3	152.3	144.7	151.3	162.1	169.8	170.8
32.5°	482.1	455.9	375.4	276.4	198.0	156.7	149.1	162.1	175.2	186.1	186.1
35°	553.9	519.1	414.6	297.1	203.5	157.8	153.4	169.8	185.0	194.8	194.8
37.5°	618.1	573.5	447.2	308.0	203.5	157.8	154.5	173.0	187.2	193.7	192.6
40°	643.1	589.8	448.3	302.5	200.2	155.6	153.4	170.8	181.7	183.9	181.7
42.5°	681.2	615.9	440.7	284.0	189.3	152.3	150.2	163.2	169.8	169.8	167.6
45°	740.0	656.2	441.8	265.5	177.4	145.8	144.7	156.7	164.3	166.5	164.3
47.5°	811.8	706.2	442.9	249.2	166.5	140.4	141.5	155.6	163.2	161.0	160.0
50°	906.4	772.6	448.3	234.0	160.0	136.0	141.5	156.7	162.1	157.8	155.6
52.5°	976.1	811.8	438.5	219.8	155.6	134.9	143.6	158.9	162.1	155.6	155.6
55°	1078.4	866.2	417.9	201.3	151.3	136.0	145.8	161.0	162.1	156.7	155.6
57.5°	1168.7	915.2	405.9	185.0	146.9	138.2	149.1	164.3	166.5	163.2	162.1
60°	1210.0	927.1	374.3	174.1	143.6	140.4	153.4	169.8	177.4	175.2	176.3
62.5°	1260.1	929.3	343.9	164.3	142.6	142.6	158.9	180.6	190.4	190.4	191.5
65°	1256.8	901.0	308.0	155.6	141.5	144.7	165.4	190.4	202.4	205.7	206.8
67.5°	1213.3	845.5	268.8	146.9	139.3	145.8	170.8	200.2	214.4	219.8	220.9
70°	1078.4	742.1	229.6	139.3	134.9	143.6	171.9	205.7	219.8	225.3	226.3
72.5°	884.7	588.7	187.2	128.4	127.3	137.1	167.6	202.4	213.3	215.5	217.6
75°	706.2	466.8	155.6	116.4	116.4	126.2	155.6	186.1	193.7	195.9	192.6
77.5°	528.9	353.7	129.5	105.6	105.6	115.3	140.4	164.3	170.8	169.8	170.8
80°	400.4	267.7	109.9	94.7	94.7	102.3	125.1	145.8	151.3	149.1	148.0
82.5°	300.3	200.2	95.8	84.9	84.9	91.4	108.8	126.2	130.6	130.6	127.3
85°	205.7	143.6	83.8	75.1	75.1	80.5	93.6	106.6	113.2	112.1	109.9
87.5°	143.6	108.8	74.0	67.5	66.4	70.7	80.5	92.5	100.1	101.2	99.0
90°	99.0	81.6	64.2	57.7	57.7	60.9	69.6	79.4	87.1	88.1	86.0
92.5°	69.6	62.0	53.3	49.0	47.9	52.2	57.7	64.2	68.6	68.6	69.6
95°	51.1	47.9	42.4	38.1	38.1	42.4	45.7	46.8	50.1	50.1	49.0
97.5°	39.2	38.1	34.8	30.5	29.4	33.7	34.8	35.9	38.1	37.0	35.9
100°	32.6	31.6	28.3	25.0	23.9	27.2	28.3	29.4	31.6	29.4	29.4
102.5°	26.1	26.1	23.9	20.7	20.7	22.9	23.9	25.0	26.1	25.0	23.9
105°	21.8	21.8	20.7	18.5	17.4	19.6	20.7	20.7	21.8	20.7	20.7
107.5°	17.4	18.5	17.4	15.2	15.2	16.3	17.4	17.4	17.4	17.4	17.4
110°	15.2	15.2	15.2	13.1	14.1	15.2	15.2	15.2	15.2	15.2	15.2

REPORT NUMBER: P694781
 CATALOG NUMBER: LXF.LXT-PA16-30-727-U-T3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	13.1	13.1	13.1	12.0	12.0	13.1	13.1	13.1	13.1	13.1	13.1
115°	12.0	12.0	12.0	10.9	10.9	12.0	10.9	10.9	10.9	12.0	12.0
117.5°	10.9	10.9	10.9	9.8	9.8	9.8	9.8	9.8	9.8	10.9	10.9
120°	9.8	9.8	9.8	8.7	8.7	8.7	8.7	8.7	8.7	9.8	9.8
122.5°	8.7	8.7	8.7	8.7	7.6	8.7	7.6	7.6	7.6	8.7	8.7
125°	7.6	8.7	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	8.7
127.5°	7.6	7.6	7.6	7.6	6.5	6.5	6.5	6.5	6.5	7.6	7.6
130°	7.6	7.6	7.6	6.5	6.5	6.5	5.4	5.4	6.5	6.5	7.6
132.5°	7.6	7.6	6.5	6.5	5.4	5.4	5.4	5.4	6.5	6.5	6.5
135°	6.5	6.5	6.5	5.4	5.4	5.4	4.4	5.4	5.4	6.5	6.5
137.5°	5.4	5.4	5.4	5.4	4.4	4.4	4.4	4.4	5.4	5.4	5.4
140°	5.4	5.4	4.4	4.4	4.4	3.3	3.3	4.4	4.4	5.4	5.4
142.5°	4.4	4.4	4.4	3.3	3.3	3.3	3.3	3.3	4.4	4.4	4.4
145°	3.3	3.3	3.3	3.3	2.2	2.2	3.3	3.3	3.3	4.4	4.4
147.5°	3.3	3.3	3.3	2.2	2.2	2.2	2.2	3.3	3.3	3.3	3.3
150°	2.2	2.2	2.2	2.2	1.1	1.1	2.2	2.2	3.3	3.3	3.3
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)