

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: P695231

Luminaire Tested: **LXF.LXT-PA16-40-827-U-T3-A**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695231
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-PA16-40-827-U-T3-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 740mA 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: 3400 lumens
Efficiency: N/A
Efficacy: 84.6 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 - U3 - G2

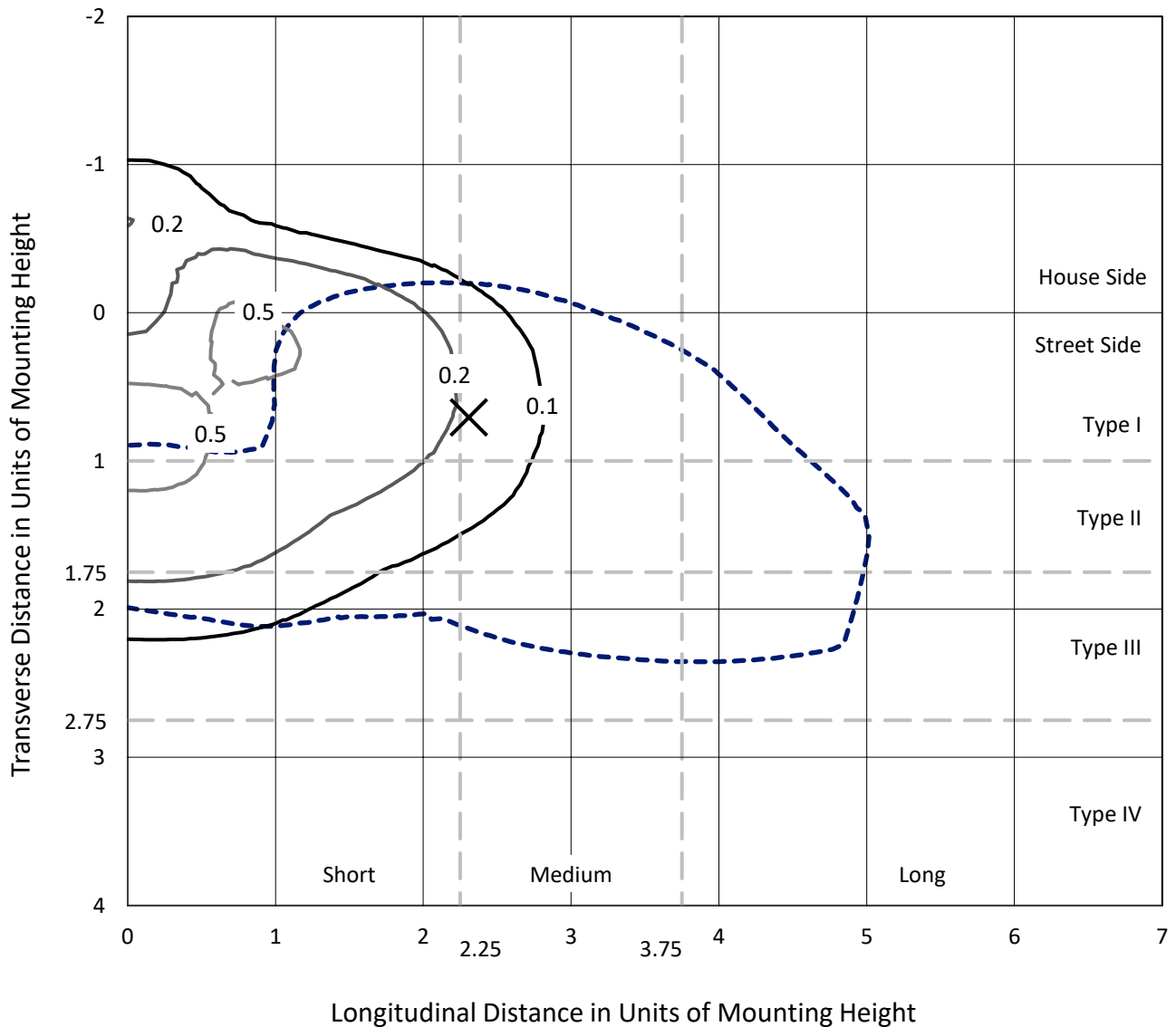
Input Watts (W): 40.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P695231
 CATALOG NUMBER: LXF.LXT-PA16-40-827-U-T3-A

Iso-Footcandle Lines of Horizontal Illumination

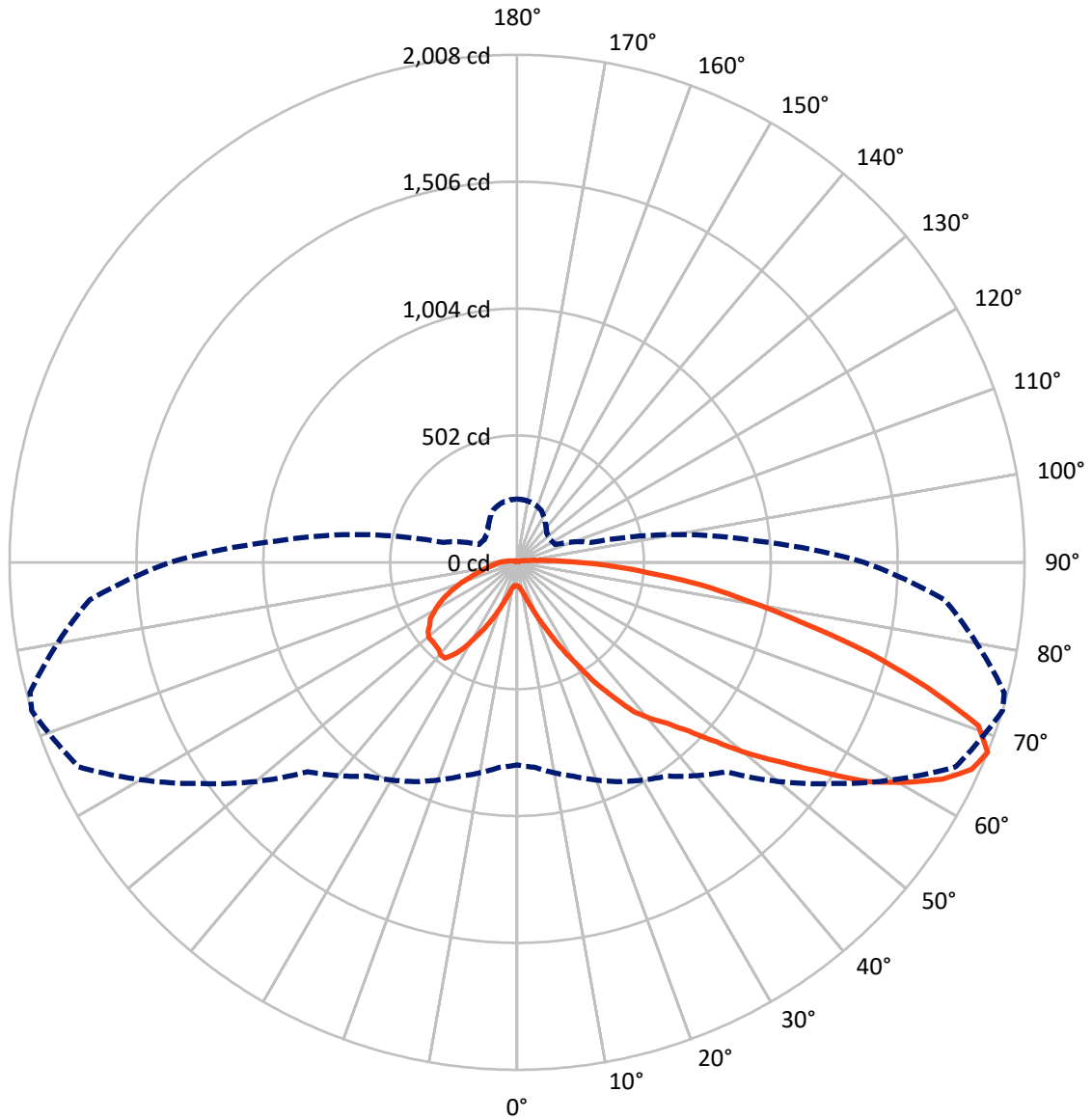
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type III - Medium - N/A

REPORT NUMBER: P695231
CATALOG NUMBER: LXF.LXT-PA16-40-827-U-T3-A

Luminous Intensity Polar Plot



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

REPORT NUMBER: P695231
 CATALOG NUMBER: LXF.LXT-PA16-40-827-U-T3-A

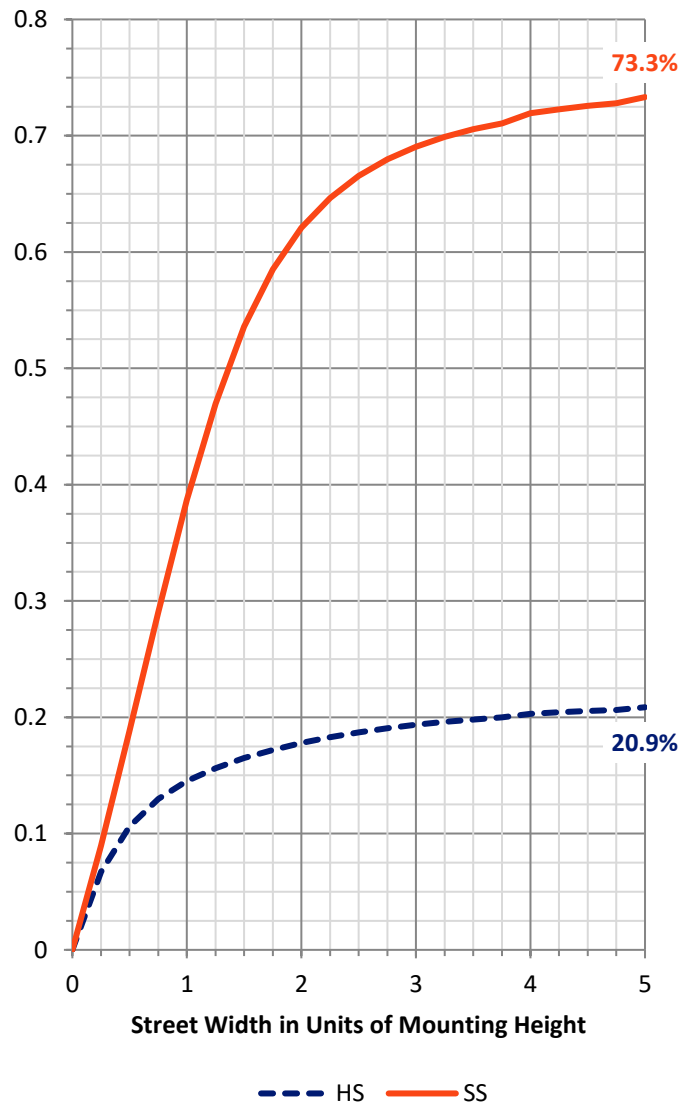
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	744.0	55.6	799.6
	% Fixture	21.9	1.6	23.5
Street Side	Lumens	2543.4	57.0	2600.4
	% Fixture	74.8	1.7	76.5
Total	Lumens	3287.5	112.6	3400.0
	% Fixture	96.7	3.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.5	0.3
10°-20°	41.8	1.2
20°-30°	128.6	3.8
30°-40°	296.1	8.7
40°-50°	479.8	14.1
50°-60°	711.8	20.9
60°-70°	828.8	24.4
70°-80°	569.3	16.7
80°-90°	221.8	6.5
90°-100°	62.9	1.9
100°-110°	23.0	0.7
110°-120°	11.8	0.3
120°-130°	7.4	0.2
130°-140°	4.9	0.1
140°-150°	2.3	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3287.5	96.7
0°-180°	3400.0	100.0

Coefficient of Utilization

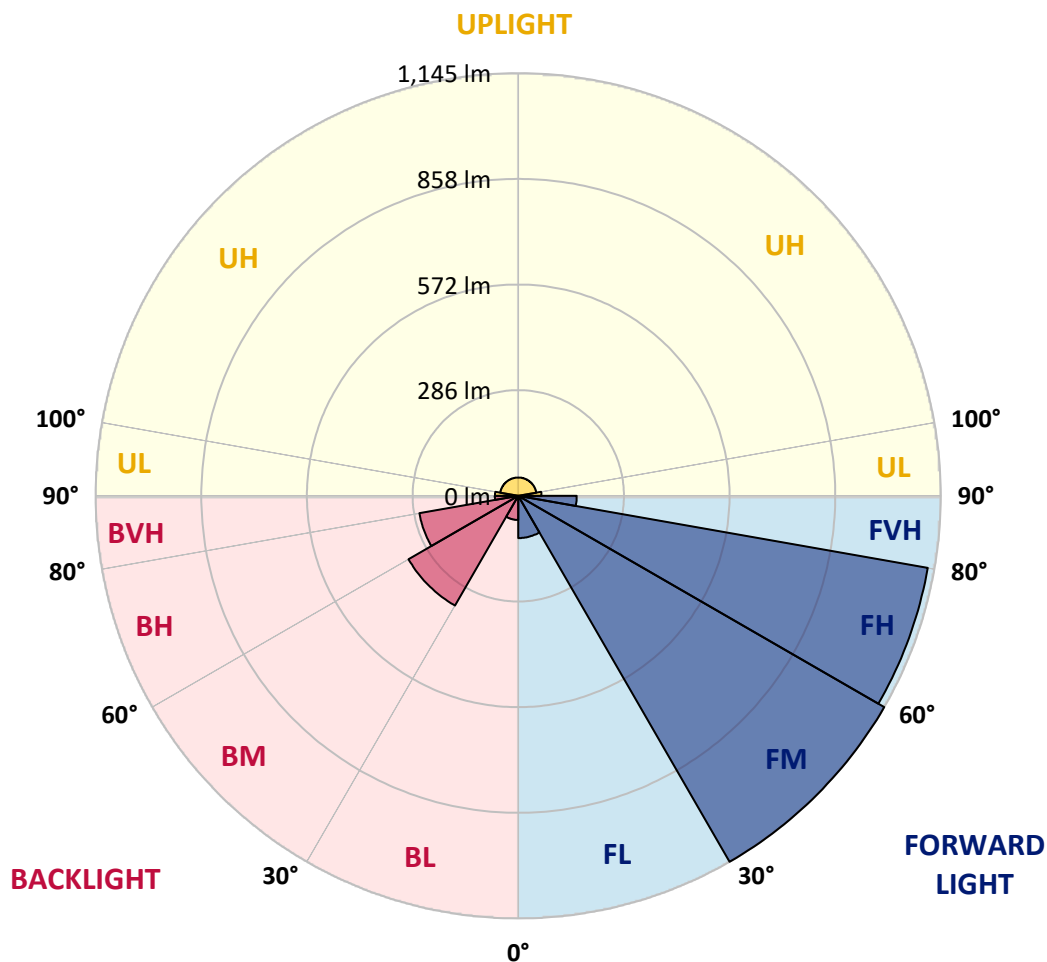


REPORT NUMBER: P695231
 CATALOG NUMBER: LXF.LXT-PA16-40-827-U-T3-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	114.5	3.4			
FM (30°-60°)	1144.6	33.7			
FH (60°-80°)	1126.2	33.1			G1/1800
FVH (80°-90°)	158.2	4.7			G2/225
BL (0°-30°)	65.4	1.9	B0/110		
BM (30°-60°)	343.2	10.1	B1/1000		
BH (60°-80°)	271.9	8.0	B1/500		G1/500
BVH (80°-90°)	63.6	1.9			G1/100
UL (90°-100°)	62.9	1.9		U3/500	
UH (100°-180°)	49.6	1.5		U2/50	

BUG Rating: B1-U3-G2
 Type III Medium



REPORT NUMBER: P695231
 CATALOG NUMBER: LXF.LXT-PA16-40-827-U-T3-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
0°	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
2.5°	98.6	99.8	99.8	99.8	99.8	98.6	97.3	96.1	96.1	94.9	93.6
5°	110.9	110.9	109.7	109.7	108.4	107.2	104.7	102.3	99.8	99.8	97.3
7.5°	122.0	123.2	123.2	120.7	119.5	117.0	113.3	109.7	107.2	106.0	102.3
10°	139.2	140.5	139.2	136.8	134.3	130.6	125.7	122.0	118.3	115.8	112.1
12.5°	162.6	162.6	161.4	156.5	151.5	147.8	142.9	139.2	134.3	134.3	129.4
15°	191.0	192.2	188.5	184.8	177.4	171.3	165.1	162.6	160.2	160.2	154.0
17.5°	226.7	227.9	223.0	213.1	204.5	199.6	195.9	192.2	189.7	189.7	183.6
20°	279.7	272.3	271.0	250.1	240.2	232.9	230.4	227.9	229.2	226.7	223.0
22.5°	338.8	333.9	326.5	301.8	283.4	272.3	268.6	269.8	273.5	273.5	272.3
25°	409.0	410.3	391.8	361.0	332.6	316.6	315.4	327.7	331.4	333.9	332.6
27.5°	489.1	494.0	464.5	431.2	391.8	364.7	367.1	388.1	400.4	401.6	400.4
30°	592.6	595.1	558.1	506.4	450.9	420.1	427.5	457.1	470.6	475.6	478.0
32.5°	710.9	710.9	669.0	601.2	518.7	475.6	483.0	534.7	566.7	565.5	572.9
35°	824.2	815.6	779.9	693.6	593.8	534.7	553.2	612.3	651.7	659.1	655.4
37.5°	903.1	909.2	876.0	792.2	670.2	596.3	622.2	697.3	749.1	749.1	739.2
40°	954.8	962.2	931.4	860.0	745.4	664.1	692.4	773.7	813.1	815.6	779.9
42.5°	1010.3	1016.4	995.5	921.6	808.2	728.1	754.0	831.6	871.0	869.8	832.9
45°	1071.9	1080.5	1070.6	995.5	871.0	788.5	810.7	900.6	952.4	961.0	912.9
47.5°	1147.0	1153.2	1142.1	1068.2	941.3	850.1	884.6	994.2	1062.0	1063.2	1007.8
50°	1188.9	1201.2	1218.5	1160.6	1021.4	919.1	972.1	1112.5	1191.4	1206.2	1132.2
52.5°	1214.8	1228.3	1256.7	1244.4	1122.4	1010.3	1089.1	1248.0	1315.8	1336.8	1229.6
55°	1257.9	1272.7	1303.5	1286.2	1201.2	1115.0	1198.8	1386.0	1464.9	1474.7	1379.9
57.5°	1197.5	1212.3	1296.1	1329.4	1255.4	1206.2	1315.8	1540.0	1637.4	1652.2	1520.3
60°	1143.3	1153.2	1208.6	1303.5	1287.5	1271.5	1441.5	1687.9	1768.0	1772.9	1604.1
62.5°	1042.3	1064.5	1128.5	1206.2	1249.3	1294.9	1532.6	1804.9	1888.7	1897.3	1686.7
65°	901.8	917.9	989.3	1100.2	1151.9	1256.7	1570.8	1899.8	1976.2	1971.2	1727.3
67.5°	802.1	814.4	877.2	957.3	1032.4	1171.7	1526.5	1914.6	2008.2	1995.9	1697.7
70°	629.6	644.4	715.8	841.5	900.6	1038.6	1421.8	1855.4	1936.8	1925.7	1563.4
72.5°	501.4	515.0	582.8	688.7	788.5	899.4	1282.5	1666.9	1699.0	1670.6	1317.0
75°	367.1	385.6	431.2	527.3	646.8	777.4	1080.5	1416.8	1442.7	1415.6	1069.4
77.5°	253.8	255.0	295.7	386.9	490.3	655.4	896.9	1176.6	1159.3	1131.0	818.1
80°	162.6	165.1	191.0	250.1	356.1	495.3	724.4	937.6	921.6	909.2	627.1
82.5°	104.7	101.0	123.2	163.9	241.5	359.8	563.0	751.5	734.3	704.7	474.3
85°	66.5	69.0	81.3	107.2	165.1	262.4	420.1	538.4	516.2	489.1	324.0
87.5°	50.5	51.7	59.1	76.4	112.1	184.8	287.1	374.5	359.8	333.9	218.1
90°	38.2	39.4	44.4	55.4	77.6	125.7	191.0	235.3	218.1	204.5	140.5
92.5°	27.1	28.3	33.3	41.9	57.9	87.5	123.2	138.0	128.1	123.2	91.2
95°	19.7	20.9	24.6	30.8	43.1	60.4	77.6	83.8	77.6	75.2	64.1
97.5°	16.0	17.2	18.5	23.4	33.3	44.4	53.0	54.2	53.0	50.5	48.0
100°	13.6	13.6	16.0	18.5	25.9	35.7	39.4	39.4	39.4	39.4	37.0
102.5°	11.1	11.1	13.6	16.0	20.9	28.3	30.8	30.8	29.6	30.8	29.6
105°	9.9	9.9	11.1	13.6	18.5	23.4	24.6	23.4	23.4	23.4	23.4
107.5°	8.6	8.6	9.9	12.3	16.0	19.7	20.9	19.7	18.5	18.5	19.7
110°	7.4	7.4	8.6	9.9	13.6	17.2	17.2	14.8	14.8	14.8	16.0

REPORT NUMBER: P695231
 CATALOG NUMBER: LXF.LXT-PA16-40-827-U-T3-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
112.5°	7.4	7.4	8.6	9.9	12.3	14.8	13.6	12.3	12.3	12.3	13.6
115°	7.4	7.4	7.4	8.6	11.1	12.3	12.3	11.1	9.9	11.1	12.3
117.5°	7.4	7.4	7.4	8.6	9.9	11.1	11.1	9.9	8.6	9.9	11.1
120°	7.4	7.4	7.4	8.6	9.9	9.9	9.9	8.6	8.6	8.6	9.9
122.5°	6.2	6.2	7.4	7.4	8.6	8.6	8.6	7.4	7.4	7.4	9.9
125°	6.2	6.2	7.4	7.4	8.6	8.6	7.4	7.4	7.4	7.4	8.6
127.5°	7.4	7.4	7.4	7.4	7.4	7.4	7.4	6.2	7.4	7.4	8.6
130°	7.4	7.4	7.4	7.4	7.4	7.4	6.2	6.2	7.4	7.4	8.6
132.5°	7.4	7.4	7.4	7.4	7.4	6.2	6.2	6.2	6.2	7.4	7.4
135°	7.4	7.4	7.4	7.4	6.2	6.2	4.9	6.2	6.2	6.2	7.4
137.5°	6.2	6.2	6.2	6.2	6.2	4.9	4.9	4.9	4.9	6.2	6.2
140°	6.2	4.9	4.9	4.9	4.9	4.9	3.7	3.7	4.9	4.9	6.2
142.5°	4.9	4.9	4.9	4.9	3.7	3.7	3.7	3.7	3.7	4.9	4.9
145°	3.7	3.7	3.7	3.7	3.7	2.5	2.5	2.5	3.7	3.7	3.7
147.5°	3.7	2.5	3.7	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3.7
150°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
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: P695231
 CATALOG NUMBER: LXF.LXT-PA16-40-827-U-T3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
2.5°	93.6	92.4	92.4	91.2	89.9	89.9	88.7	88.7	88.7	88.7	87.5
5°	96.1	94.9	92.4	89.9	87.5	86.2	85.0	83.8	82.5	82.5	82.5
7.5°	99.8	98.6	94.9	91.2	87.5	83.8	81.3	80.1	78.8	77.6	77.6
10°	109.7	106.0	99.8	93.6	88.7	83.8	80.1	77.6	76.4	75.2	75.2
12.5°	123.2	122.0	112.1	102.3	93.6	86.2	81.3	80.1	78.8	78.8	77.6
15°	149.1	144.1	133.1	117.0	103.5	92.4	88.7	87.5	89.9	89.9	91.2
17.5°	177.4	171.3	156.5	136.8	118.3	106.0	101.0	102.3	104.7	107.2	107.2
20°	214.4	208.2	188.5	160.2	138.0	123.2	117.0	117.0	122.0	125.7	125.7
22.5°	264.9	253.8	225.5	187.3	157.7	140.5	131.8	130.6	136.8	140.5	140.5
25°	324.0	308.0	271.0	220.5	178.6	154.0	144.1	145.4	152.8	158.9	158.9
27.5°	385.6	368.4	316.6	251.3	198.4	163.9	155.2	160.2	170.0	176.2	177.4
30°	460.8	437.4	364.7	282.1	213.1	172.5	163.9	171.3	183.6	192.2	193.4
32.5°	545.8	516.2	425.1	312.9	224.2	177.4	168.8	183.6	198.4	210.7	210.7
35°	627.1	587.7	469.4	336.3	230.4	178.6	173.7	192.2	209.4	220.5	220.5
37.5°	699.8	649.3	506.4	348.7	230.4	178.6	174.9	195.9	211.9	219.3	218.1
40°	728.1	667.8	507.6	342.5	226.7	176.2	173.7	193.4	205.7	208.2	205.7
42.5°	771.3	697.3	499.0	321.6	214.4	172.5	170.0	184.8	192.2	192.2	189.7
45°	837.8	742.9	500.2	300.6	200.8	165.1	163.9	177.4	186.0	188.5	186.0
47.5°	919.1	799.6	501.4	282.1	188.5	158.9	160.2	176.2	184.8	182.3	181.1
50°	1026.3	874.7	507.6	264.9	181.1	154.0	160.2	177.4	183.6	178.6	176.2
52.5°	1105.1	919.1	496.5	248.9	176.2	152.8	162.6	179.9	183.6	176.2	176.2
55°	1220.9	980.7	473.1	227.9	171.3	154.0	165.1	182.3	183.6	177.4	176.2
57.5°	1323.2	1036.1	459.5	209.4	166.3	156.5	168.8	186.0	188.5	184.8	183.6
60°	1370.0	1049.7	423.8	197.1	162.6	158.9	173.7	192.2	200.8	198.4	199.6
62.5°	1426.7	1052.2	389.3	186.0	161.4	161.4	179.9	204.5	215.6	215.6	216.8
65°	1423.0	1020.1	348.7	176.2	160.2	163.9	187.3	215.6	229.2	232.9	234.1
67.5°	1373.7	957.3	304.3	166.3	157.7	165.1	193.4	226.7	242.7	248.9	250.1
70°	1220.9	840.2	260.0	157.7	152.8	162.6	194.7	232.9	248.9	255.0	256.3
72.5°	1001.6	666.5	211.9	145.4	144.1	155.2	189.7	229.2	241.5	243.9	246.4
75°	799.6	528.5	176.2	131.8	131.8	142.9	176.2	210.7	219.3	221.8	218.1
77.5°	598.8	400.4	146.6	119.5	119.5	130.6	158.9	186.0	193.4	192.2	193.4
80°	453.4	303.1	124.4	107.2	107.2	115.8	141.7	165.1	171.3	168.8	167.6
82.5°	340.0	226.7	108.4	96.1	96.1	103.5	123.2	142.9	147.8	147.8	144.1
85°	232.9	162.6	94.9	85.0	85.0	91.2	106.0	120.7	128.1	126.9	124.4
87.5°	162.6	123.2	83.8	76.4	75.2	80.1	91.2	104.7	113.3	114.6	112.1
90°	112.1	92.4	72.7	65.3	65.3	69.0	78.8	89.9	98.6	99.8	97.3
92.5°	78.8	70.2	60.4	55.4	54.2	59.1	65.3	72.7	77.6	77.6	78.8
95°	57.9	54.2	48.0	43.1	43.1	48.0	51.7	53.0	56.7	56.7	55.4
97.5°	44.4	43.1	39.4	34.5	33.3	38.2	39.4	40.7	43.1	41.9	40.7
100°	37.0	35.7	32.0	28.3	27.1	30.8	32.0	33.3	35.7	33.3	33.3
102.5°	29.6	29.6	27.1	23.4	23.4	25.9	27.1	28.3	29.6	28.3	27.1
105°	24.6	24.6	23.4	20.9	19.7	22.2	23.4	23.4	24.6	23.4	23.4
107.5°	19.7	20.9	19.7	17.2	17.2	18.5	19.7	19.7	19.7	19.7	19.7
110°	17.2	17.2	17.2	14.8	16.0	17.2	17.2	17.2	17.2	17.2	17.2

REPORT NUMBER: P695231
 CATALOG NUMBER: LXF.LXT-PA16-40-827-U-T3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	14.8	14.8	14.8	13.6	13.6	14.8	14.8	14.8	14.8	14.8	14.8
115°	13.6	13.6	13.6	12.3	12.3	13.6	12.3	12.3	12.3	13.6	13.6
117.5°	12.3	12.3	12.3	11.1	11.1	11.1	11.1	11.1	11.1	12.3	12.3
120°	11.1	11.1	11.1	9.9	9.9	9.9	9.9	9.9	9.9	11.1	11.1
122.5°	9.9	9.9	9.9	9.9	8.6	9.9	8.6	8.6	8.6	9.9	9.9
125°	8.6	9.9	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	9.9
127.5°	8.6	8.6	8.6	8.6	7.4	7.4	7.4	7.4	7.4	8.6	8.6
130°	8.6	8.6	8.6	7.4	7.4	7.4	6.2	6.2	7.4	7.4	8.6
132.5°	8.6	8.6	7.4	7.4	6.2	6.2	6.2	6.2	7.4	7.4	7.4
135°	7.4	7.4	7.4	6.2	6.2	6.2	4.9	6.2	6.2	7.4	7.4
137.5°	6.2	6.2	6.2	6.2	4.9	4.9	4.9	4.9	6.2	6.2	6.2
140°	6.2	6.2	4.9	4.9	4.9	3.7	3.7	4.9	4.9	6.2	6.2
142.5°	4.9	4.9	4.9	3.7	3.7	3.7	3.7	3.7	4.9	4.9	4.9
145°	3.7	3.7	3.7	3.7	2.5	2.5	3.7	3.7	3.7	4.9	4.9
147.5°	3.7	3.7	3.7	2.5	2.5	2.5	2.5	3.7	3.7	3.7	3.7
150°	2.5	2.5	2.5	2.5	1.2	1.2	2.5	2.5	3.7	3.7	3.7
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)