

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: P694966

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

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694966
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-22)
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-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2714 lumens
Efficiency: N/A
Efficacy: 92.9 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

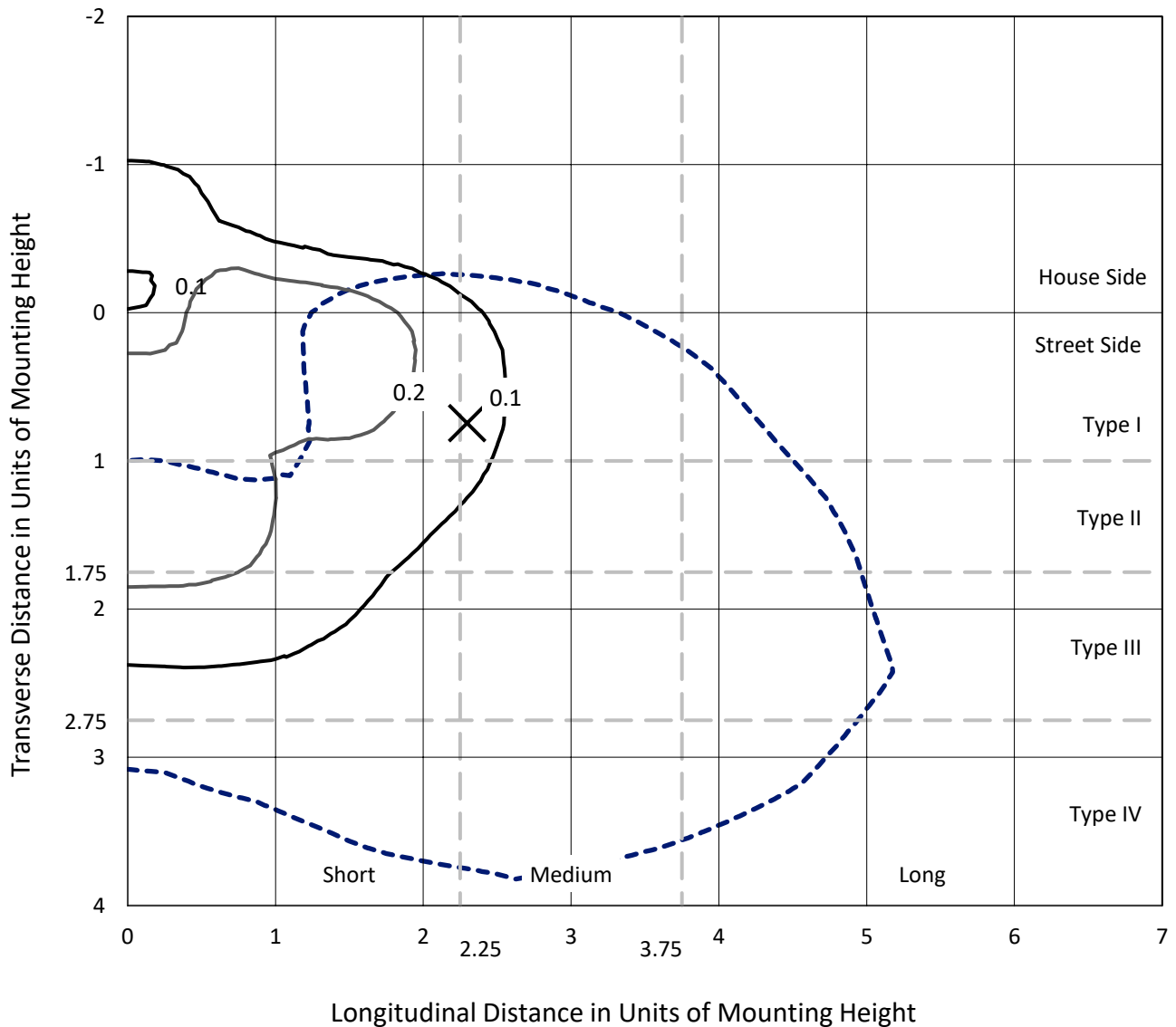
Input Watts (W): 29.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P694966
 CATALOG NUMBER: LXF.LXT-PA16-30-827-U-T4W-A

Iso-Footcandle Lines of Horizontal Illumination

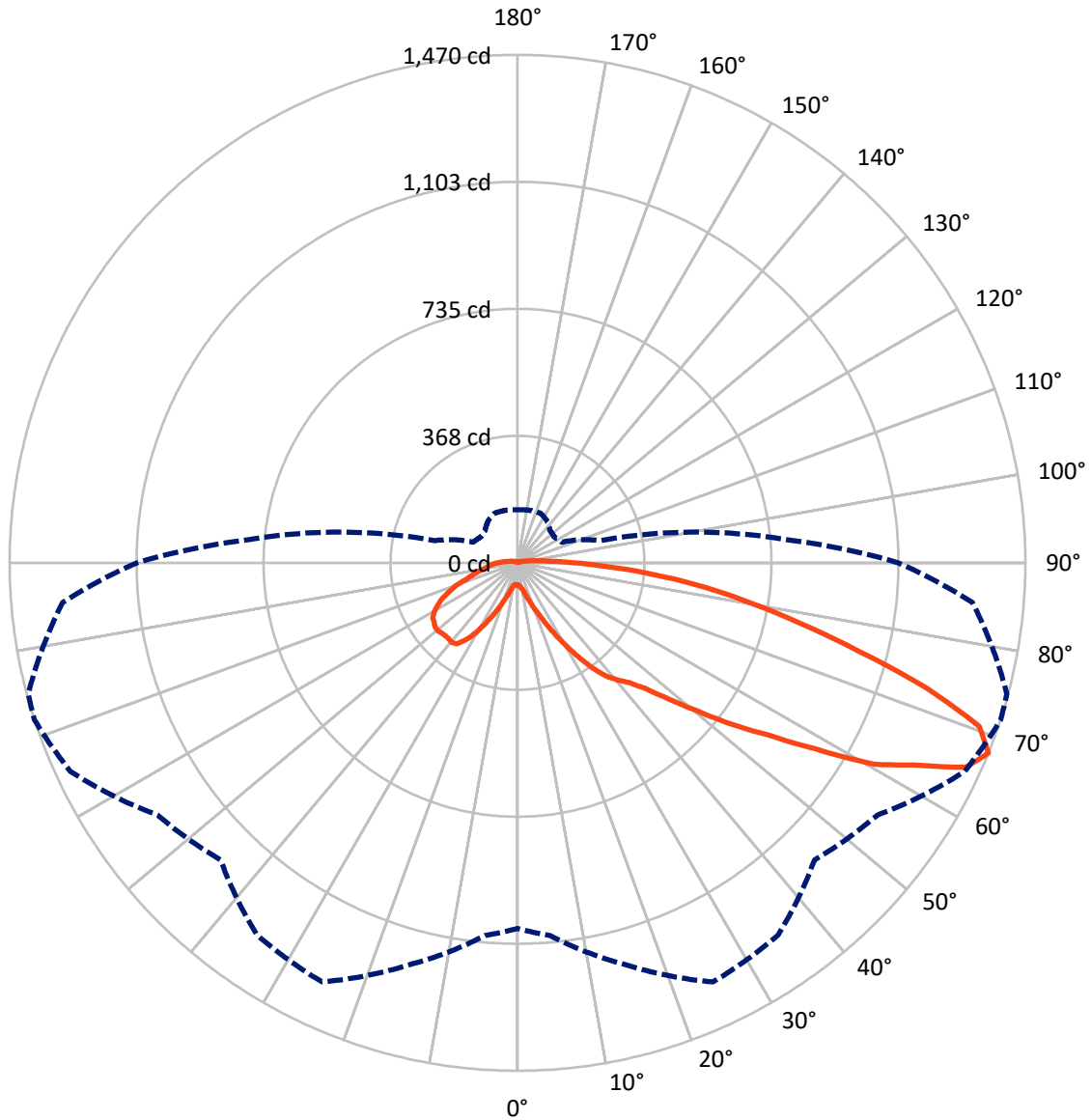
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P694966
CATALOG NUMBER: LXF.LXT-PA16-30-827-U-T4W-A

Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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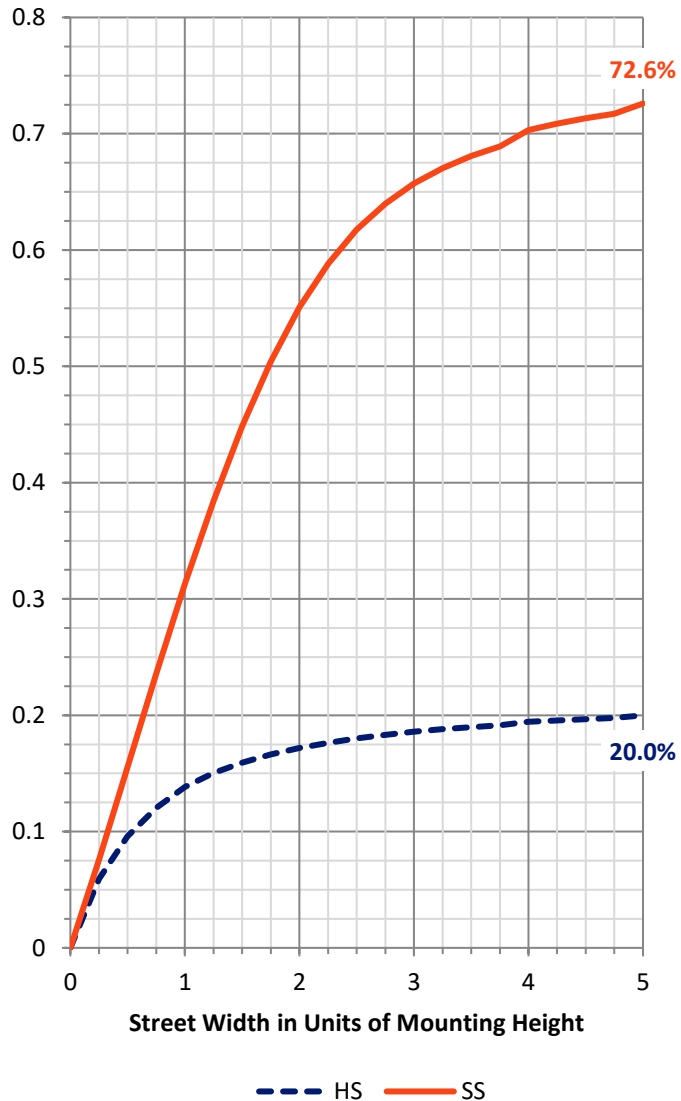
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	572.8	49.3	622.0
	% Fixture	21.1	1.8	22.9
Street Side	Lumens	2039.5	52.4	2092.0
	% Fixture	75.1	1.9	77.1
Total	Lumens	2612.3	101.7	2714.0
	% Fixture	96.3	3.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.5	0.2
10°-20°	28.1	1.0
20°-30°	85.2	3.1
30°-40°	191.7	7.1
40°-50°	307.8	11.3
50°-60°	498.9	18.4
60°-70°	727.7	26.8
70°-80°	545.5	20.1
80°-90°	220.8	8.1
90°-100°	61.3	2.3
100°-110°	20.1	0.7
110°-120°	9.3	0.3
120°-130°	5.6	0.2
130°-140°	3.6	0.1
140°-150°	1.7	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2612.3	96.3
0°-180°	2714.0	100.0

Coefficient of Utilization

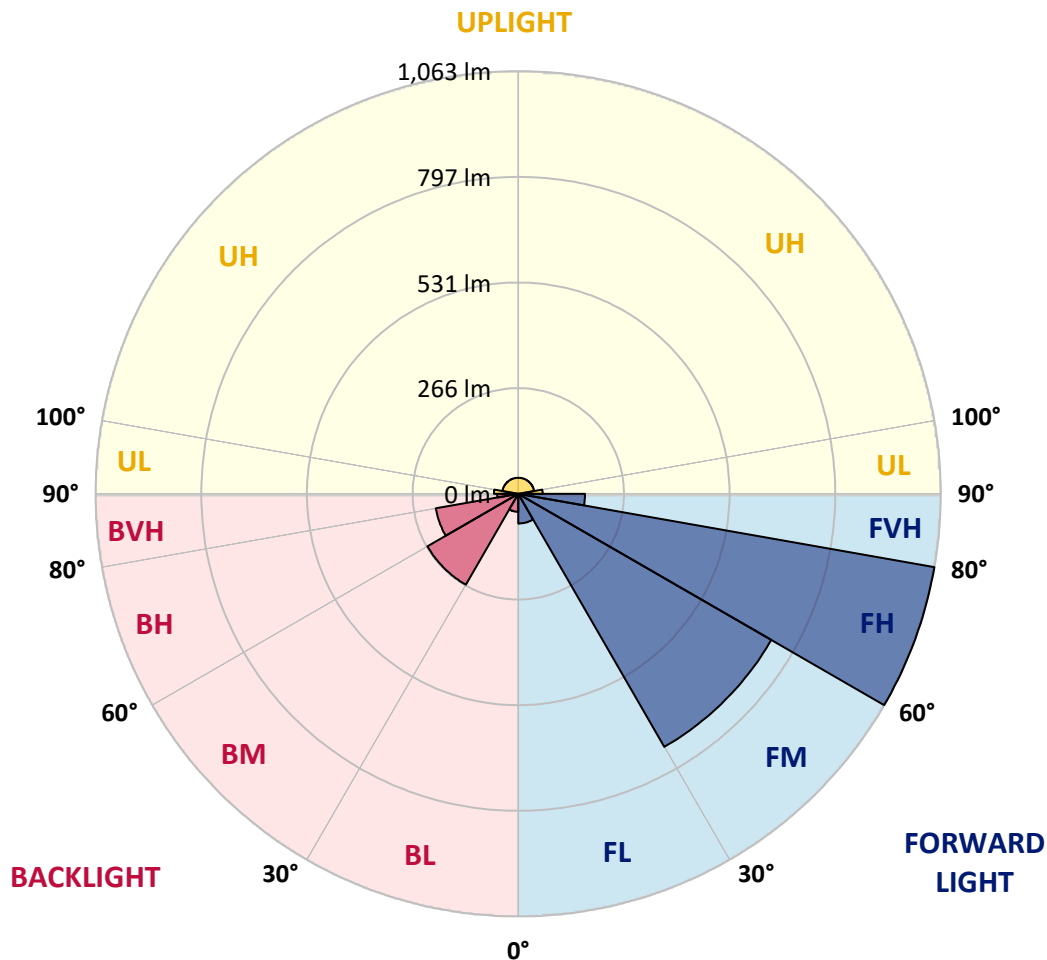


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 CATALOG NUMBER: LXF.LXT-PA16-30-827-U-T4W-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	74.6	2.7			
FM (30°-60°)	734.7	27.1			
FH (60°-80°)	1062.6	39.2			G1/1800
FVH (80°-90°)	167.7	6.2			G2/225
BL (0°-30°)	45.2	1.7	B0/110		
BM (30°-60°)	263.8	9.7	B1/1000		
BH (60°-80°)	210.6	7.8	B1/500		G1/500
BVH (80°-90°)	53.2	2.0			G1/100
UL (90°-100°)	61.3	2.3		U3/500	
UH (100°-180°)	40.4	1.5		U2/50	

BUG Rating: B1-U3-G2
 Type IV Medium



REPORT NUMBER: P694966
 CATALOG NUMBER: LXF.LXT-PA16-30-827-U-T4W-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
2.5°	67.3	67.3	67.3	67.3	67.3	67.3	67.3	66.3	65.4	65.4	64.4
5°	73.2	73.2	73.2	73.2	73.2	72.2	70.2	69.3	68.3	67.3	66.3
7.5°	81.9	81.0	81.0	80.0	79.0	78.0	76.1	74.1	72.2	71.2	69.3
10°	92.7	92.7	91.7	89.7	88.8	84.9	82.9	80.0	78.0	77.1	74.1
12.5°	112.2	110.2	109.2	106.3	101.4	96.6	92.7	89.7	87.8	87.8	83.9
15°	134.6	133.6	131.7	123.9	118.0	111.2	106.3	104.4	103.4	101.4	98.5
17.5°	161.9	161.9	158.0	147.3	137.5	130.7	124.9	121.9	121.0	121.0	118.0
20°	197.0	197.0	189.2	173.6	161.9	153.1	146.3	142.4	142.4	141.4	139.5
22.5°	238.0	240.0	228.3	207.8	188.3	175.6	167.8	166.8	166.8	170.7	168.7
25°	285.8	285.8	271.2	244.8	222.4	200.0	194.1	198.0	200.9	204.8	205.8
27.5°	347.3	345.3	320.9	287.8	252.6	228.3	221.4	229.2	238.0	240.9	246.8
30°	417.5	414.6	384.3	337.5	289.7	253.6	250.7	265.3	280.9	283.8	291.7
32.5°	477.0	478.9	444.8	393.1	327.7	284.8	281.9	305.3	324.8	331.6	346.3
35°	549.2	550.1	509.2	443.8	364.8	314.1	313.1	345.3	373.6	382.4	398.0
37.5°	579.4	585.3	554.0	487.7	401.9	345.3	343.4	383.3	415.5	425.3	442.8
40°	610.6	614.5	582.3	519.9	432.1	372.6	373.6	416.5	445.8	457.5	467.2
42.5°	675.0	676.9	633.1	554.0	457.5	400.9	401.9	440.9	474.1	488.7	506.2
45°	732.5	741.3	698.4	607.7	491.6	425.3	427.2	480.9	518.0	538.4	559.9
47.5°	814.5	814.5	779.4	678.9	542.3	458.5	469.2	537.5	588.2	605.7	637.0
50°	887.6	888.6	862.3	756.0	598.9	504.3	523.8	608.7	673.0	693.5	735.5
52.5°	948.1	949.1	930.6	844.7	676.0	564.8	587.2	703.3	775.5	800.8	837.9
55°	1023.2	1018.3	1006.6	933.5	763.8	642.8	676.0	803.8	878.9	913.0	957.9
57.5°	1103.2	1097.4	1102.2	1030.1	864.2	739.4	773.5	911.0	1015.4	1059.3	1111.0
60°	1147.1	1149.1	1186.1	1156.9	986.2	859.4	897.4	1074.9	1183.2	1217.3	1229.0
62.5°	1168.6	1170.5	1233.9	1253.4	1130.5	985.2	1038.8	1210.5	1288.5	1331.5	1322.7
65°	1162.7	1170.5	1272.0	1325.6	1251.5	1120.8	1178.3	1338.3	1426.1	1448.5	1380.2
67.5°	1058.3	1082.7	1203.7	1338.3	1314.9	1215.4	1272.0	1428.0	1470.0	1466.1	1321.7
70°	896.4	903.2	1048.6	1243.7	1296.3	1211.5	1280.7	1409.5	1417.3	1396.8	1192.0
72.5°	689.6	706.2	837.9	1049.6	1167.6	1124.7	1183.2	1284.6	1236.8	1185.1	961.8
75°	506.2	499.4	609.6	815.5	966.6	972.5	1030.1	1089.6	1018.3	976.4	785.2
77.5°	343.4	359.9	438.9	603.8	759.9	812.5	870.1	877.9	831.1	796.9	600.9
80°	235.1	238.0	297.5	440.9	593.1	667.2	717.9	735.5	668.2	629.2	453.6
82.5°	134.6	137.5	188.3	317.0	465.3	551.1	602.8	597.9	520.9	481.9	315.1
85°	75.1	76.1	109.2	196.1	350.2	440.9	485.8	446.7	369.7	333.6	206.8
87.5°	44.9	46.8	65.4	125.8	238.0	341.4	363.8	311.2	239.0	212.6	136.6
90°	28.3	30.2	40.0	74.1	153.1	240.0	246.8	196.1	148.3	133.6	92.7
92.5°	18.5	19.5	26.3	45.8	94.6	151.2	158.0	118.0	91.7	81.9	63.4
95°	14.6	14.6	18.5	31.2	58.5	88.8	95.6	71.2	59.5	53.6	43.9
97.5°	11.7	11.7	14.6	22.4	40.0	55.6	57.6	46.8	40.0	39.0	33.2
100°	9.8	10.7	12.7	17.6	28.3	37.1	37.1	32.2	29.3	29.3	26.3
102.5°	8.8	8.8	10.7	14.6	22.4	28.3	27.3	24.4	22.4	22.4	21.5
105°	8.8	7.8	9.8	11.7	17.6	21.5	20.5	18.5	17.6	16.6	16.6
107.5°	7.8	6.8	7.8	9.8	14.6	17.6	16.6	14.6	13.7	12.7	13.7
110°	6.8	6.8	6.8	8.8	11.7	14.6	13.7	11.7	10.7	10.7	10.7

REPORT NUMBER: P694966
 CATALOG NUMBER: LXF.LXT-PA16-30-827-U-T4W-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	5.9	5.9	5.9	7.8	9.8	11.7	11.7	9.8	8.8	7.8	8.8
115°	5.9	5.9	5.9	6.8	8.8	10.7	9.8	7.8	6.8	6.8	7.8
117.5°	4.9	4.9	4.9	6.8	7.8	8.8	8.8	6.8	5.9	5.9	6.8
120°	4.9	4.9	4.9	5.9	7.8	7.8	7.8	5.9	5.9	5.9	6.8
122.5°	4.9	4.9	4.9	5.9	6.8	7.8	6.8	5.9	4.9	4.9	5.9
125°	4.9	4.9	4.9	5.9	6.8	6.8	5.9	4.9	4.9	4.9	5.9
127.5°	4.9	4.9	4.9	5.9	5.9	5.9	5.9	4.9	4.9	4.9	5.9
130°	4.9	4.9	4.9	4.9	5.9	5.9	4.9	4.9	4.9	4.9	4.9
132.5°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	3.9	4.9	4.9	4.9
135°	4.9	4.9	4.9	4.9	4.9	4.9	3.9	3.9	3.9	3.9	4.9
137.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	4.9
140°	3.9	3.9	3.9	3.9	3.9	3.9	2.9	2.9	2.9	2.9	3.9
142.5°	3.9	3.9	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	2.9	2.9	2.9	2.0	2.0	2.0	2.9	2.9
147.5°	2.9	2.9	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: P694966
 CATALOG NUMBER: LXF.LXT-PA16-30-827-U-T4W-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
2.5°	64.4	64.4	63.4	62.4	62.4	62.4	62.4	62.4	61.5	61.5	61.5
5°	65.4	64.4	63.4	62.4	61.5	60.5	59.5	59.5	58.5	58.5	58.5
7.5°	68.3	67.3	64.4	62.4	60.5	59.5	58.5	57.6	56.6	55.6	55.6
10°	73.2	71.2	67.3	64.4	61.5	59.5	57.6	56.6	55.6	55.6	54.6
12.5°	81.9	80.0	74.1	69.3	64.4	61.5	58.5	57.6	57.6	57.6	58.5
15°	96.6	93.6	85.8	79.0	71.2	65.4	63.4	64.4	65.4	66.3	66.3
17.5°	115.1	111.2	102.4	90.7	80.0	73.2	72.2	73.2	75.1	77.1	77.1
20°	136.6	131.7	118.0	104.4	90.7	84.9	81.9	83.9	86.8	90.7	89.7
22.5°	166.8	159.0	142.4	120.0	104.4	96.6	92.7	95.6	101.4	105.3	105.3
25°	200.9	191.2	169.7	139.5	118.0	106.3	104.4	109.2	120.0	125.8	125.8
27.5°	240.0	228.3	199.0	160.0	132.7	117.1	115.1	125.8	139.5	150.2	149.2
30°	285.8	272.1	234.1	181.4	146.3	125.8	127.8	142.4	160.9	173.6	173.6
32.5°	338.5	317.0	268.2	204.8	157.0	133.6	137.5	157.0	179.5	192.2	194.1
35°	388.2	362.9	296.5	222.4	165.8	140.5	145.3	170.7	197.0	212.6	212.6
37.5°	431.1	403.8	319.0	234.1	169.7	144.4	152.2	181.4	206.8	222.4	222.4
40°	451.6	419.4	325.8	236.1	170.7	146.3	156.1	186.3	210.7	223.4	222.4
42.5°	488.7	445.8	326.8	225.3	167.8	147.3	158.0	184.4	202.9	208.7	207.8
45°	538.4	482.8	331.6	215.6	160.9	145.3	156.1	177.5	188.3	189.2	187.3
47.5°	602.8	536.5	338.5	206.8	155.1	142.4	151.2	167.8	173.6	170.7	169.7
50°	691.6	597.9	348.2	197.0	151.2	137.5	146.3	160.9	164.8	159.0	158.0
52.5°	778.4	659.4	352.1	187.3	147.3	134.6	143.4	158.0	159.0	149.2	148.3
55°	883.7	725.7	347.3	176.6	145.3	133.6	143.4	156.1	152.2	142.4	140.5
57.5°	1015.4	810.6	346.3	166.8	141.4	133.6	144.4	154.1	151.2	144.4	143.4
60°	1097.4	846.7	330.7	160.9	138.5	135.6	146.3	157.0	153.1	145.3	144.4
62.5°	1155.9	862.3	307.3	154.1	136.6	135.6	149.2	158.0	152.2	146.3	145.3
65°	1172.5	846.7	282.9	147.3	133.6	135.6	150.2	157.0	154.1	150.2	150.2
67.5°	1102.2	776.4	247.8	141.4	129.7	132.7	148.3	158.0	156.1	154.1	153.1
70°	974.5	676.9	215.6	133.6	122.9	127.8	145.3	158.0	158.0	157.0	157.0
72.5°	777.4	522.8	173.6	124.9	115.1	121.9	141.4	155.1	154.1	153.1	152.2
75°	623.3	412.6	147.3	113.1	107.3	114.1	135.6	149.2	147.3	147.3	146.3
77.5°	469.2	312.1	124.9	102.4	97.5	107.3	126.8	139.5	138.5	137.5	135.6
80°	339.4	231.2	106.3	92.7	89.7	98.5	116.1	126.8	126.8	126.8	125.8
82.5°	245.8	170.7	92.7	83.9	81.9	89.7	104.4	113.1	117.1	120.0	118.0
85°	161.9	120.0	81.9	76.1	76.1	82.9	94.6	102.4	108.3	111.2	110.2
87.5°	110.2	91.7	72.2	67.3	69.3	76.1	86.8	92.7	97.5	100.5	99.5
90°	78.0	71.2	61.5	57.6	59.5	68.3	78.0	82.9	84.9	85.8	84.9
92.5°	55.6	52.7	48.8	46.8	49.7	59.5	68.3	70.2	70.2	69.3	67.3
95°	41.9	40.0	39.0	37.1	41.0	49.7	56.6	56.6	56.6	53.6	53.6
97.5°	32.2	32.2	32.2	30.2	33.2	40.0	44.9	43.9	43.9	41.9	41.9
100°	26.3	26.3	26.3	25.4	27.3	32.2	34.1	34.1	35.1	34.1	34.1
102.5°	21.5	21.5	21.5	21.5	22.4	26.3	28.3	27.3	28.3	28.3	28.3
105°	17.6	17.6	18.5	17.6	19.5	22.4	22.4	22.4	23.4	21.5	22.4
107.5°	13.7	14.6	14.6	14.6	16.6	18.5	19.5	18.5	18.5	17.6	17.6
110°	11.7	12.7	12.7	12.7	13.7	15.6	16.6	15.6	14.6	14.6	14.6

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	9.8	10.7	10.7	10.7	11.7	13.7	13.7	12.7	11.7	11.7	11.7
115°	8.8	8.8	9.8	9.8	10.7	11.7	11.7	10.7	9.8	10.7	10.7
117.5°	7.8	7.8	8.8	8.8	8.8	9.8	9.8	8.8	8.8	9.8	9.8
120°	6.8	7.8	7.8	7.8	7.8	8.8	8.8	7.8	7.8	8.8	8.8
122.5°	6.8	6.8	6.8	6.8	7.8	7.8	7.8	6.8	6.8	7.8	7.8
125°	5.9	6.8	6.8	6.8	6.8	6.8	6.8	5.9	6.8	6.8	7.8
127.5°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	6.8	6.8
130°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	4.9	5.9	5.9	5.9
132.5°	5.9	5.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	5.9	5.9
135°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	5.9	5.9
137.5°	4.9	4.9	3.9	3.9	3.9	3.9	3.9	3.9	4.9	4.9	4.9
140°	3.9	3.9	3.9	2.9	2.9	2.9	3.9	3.9	3.9	3.9	3.9
142.5°	3.9	3.9	2.9	2.9	2.9	2.9	2.9	2.9	3.9	3.9	3.9
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	2.9	2.9	2.9	2.9
150°	2.0	2.0	2.0	2.0	1.0	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)