

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: P694534

Luminaire Tested: **LXF.LXT-PA16-20-730-U-T2R-TL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694534
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-PA16-20-730-U-T2R-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 420mA 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: 2462 lumens
Efficiency: N/A
Efficacy: 112.9 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 - G1

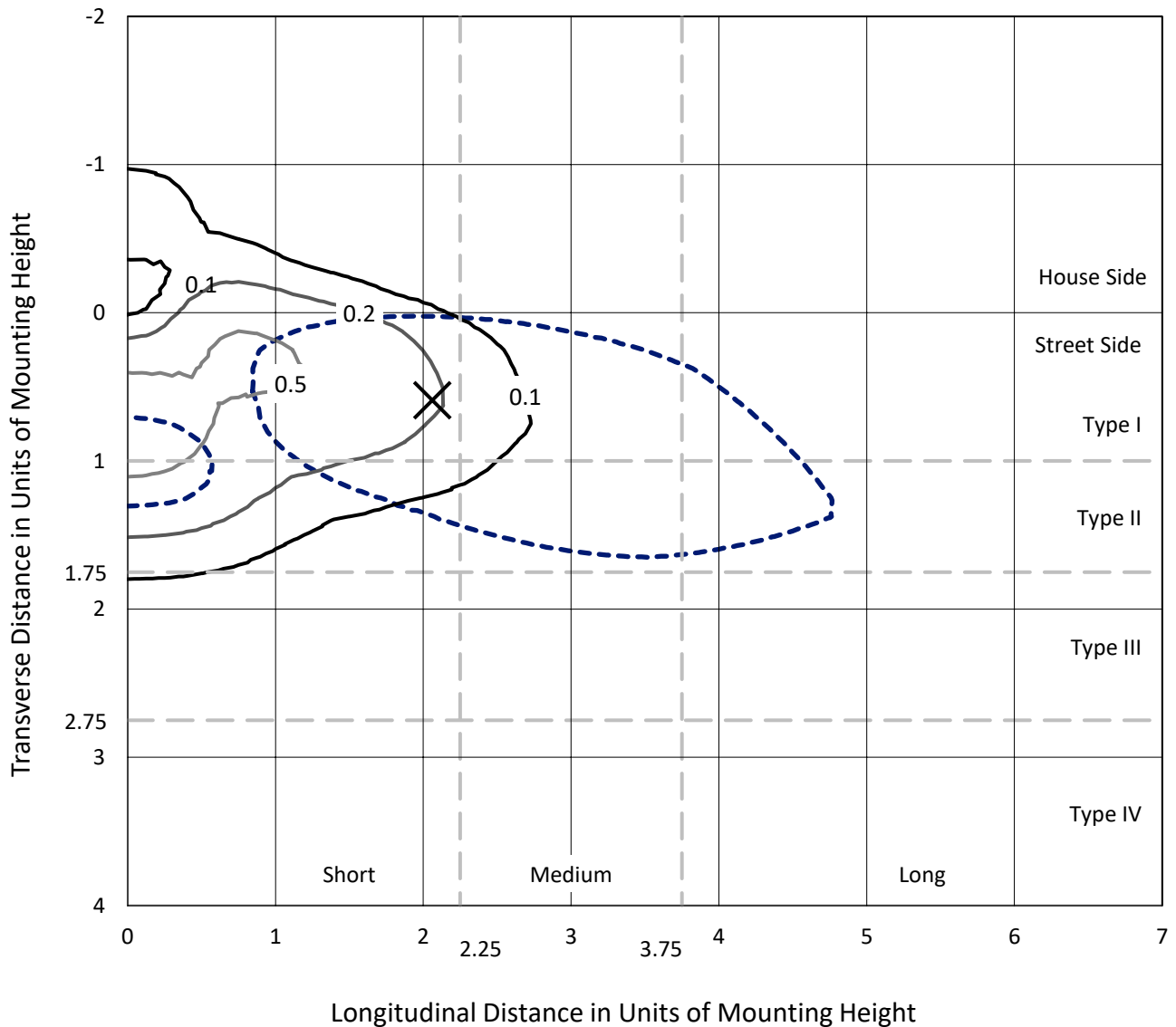
Input Watts (W): 21.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P694534
 CATALOG NUMBER: LXF.LXT-PA16-20-730-U-T2R-TL

Iso-Footcandle Lines of Horizontal Illumination

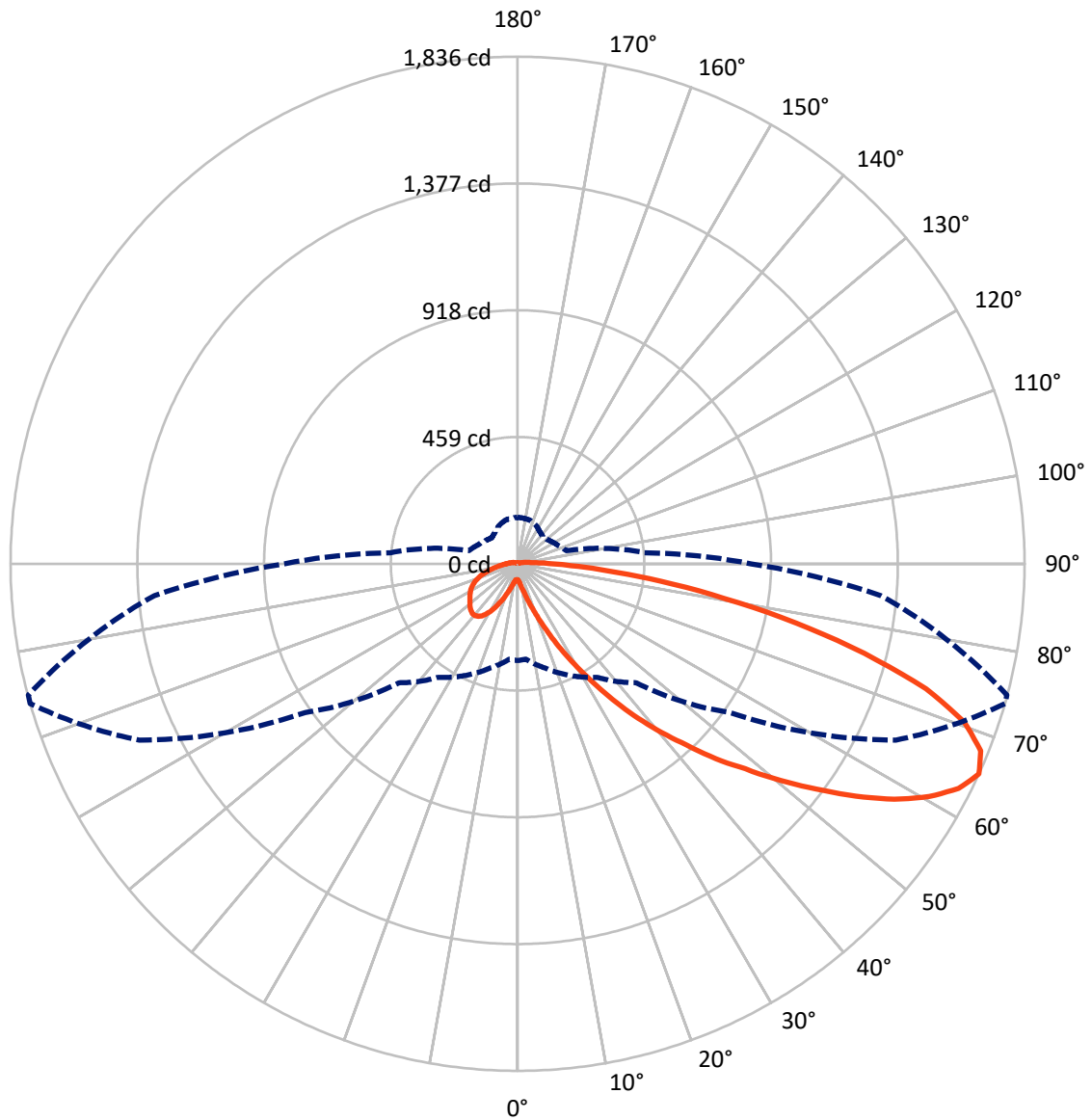
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type II - Short - N/A

REPORT NUMBER: P694534
CATALOG NUMBER: LXF.LXT-PA16-20-730-U-T2R-TL

Luminous Intensity Polar Plot



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

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 CATALOG NUMBER: LXF.LXT-PA16-20-730-U-T2R-TL

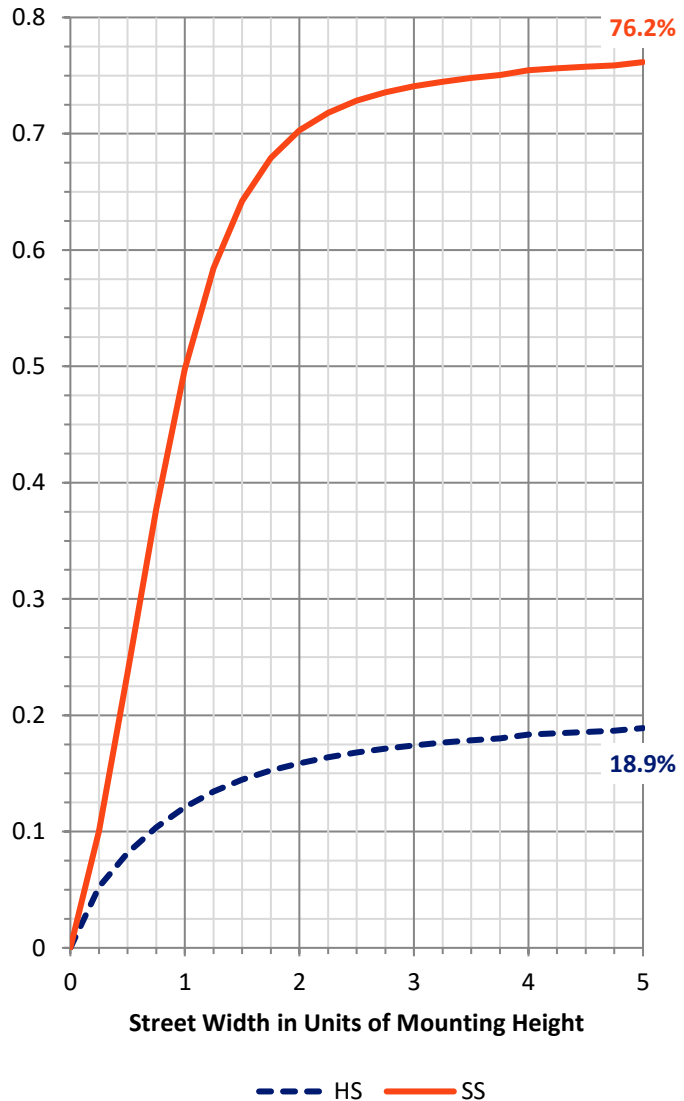
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	488.5	39.9	528.4
	% Fixture	19.8	1.6	21.5
Street Side	Lumens	1898.0	35.7	1933.7
	% Fixture	77.1	1.4	78.5
Total	Lumens	2386.5	75.5	2462.0
	% Fixture	96.9	3.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.7	0.3
10°-20°	35.5	1.4
20°-30°	118.0	4.8
30°-40°	270.4	11.0
40°-50°	432.8	17.6
50°-60°	537.2	21.8
60°-70°	521.4	21.2
70°-80°	340.1	13.8
80°-90°	124.3	5.1
90°-100°	37.1	1.5
100°-110°	17.2	0.7
110°-120°	9.5	0.4
120°-130°	5.9	0.2
130°-140°	3.8	0.2
140°-150°	1.9	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2386.5	96.9
0°-180°	2462.0	100.0

Coefficient of Utilization

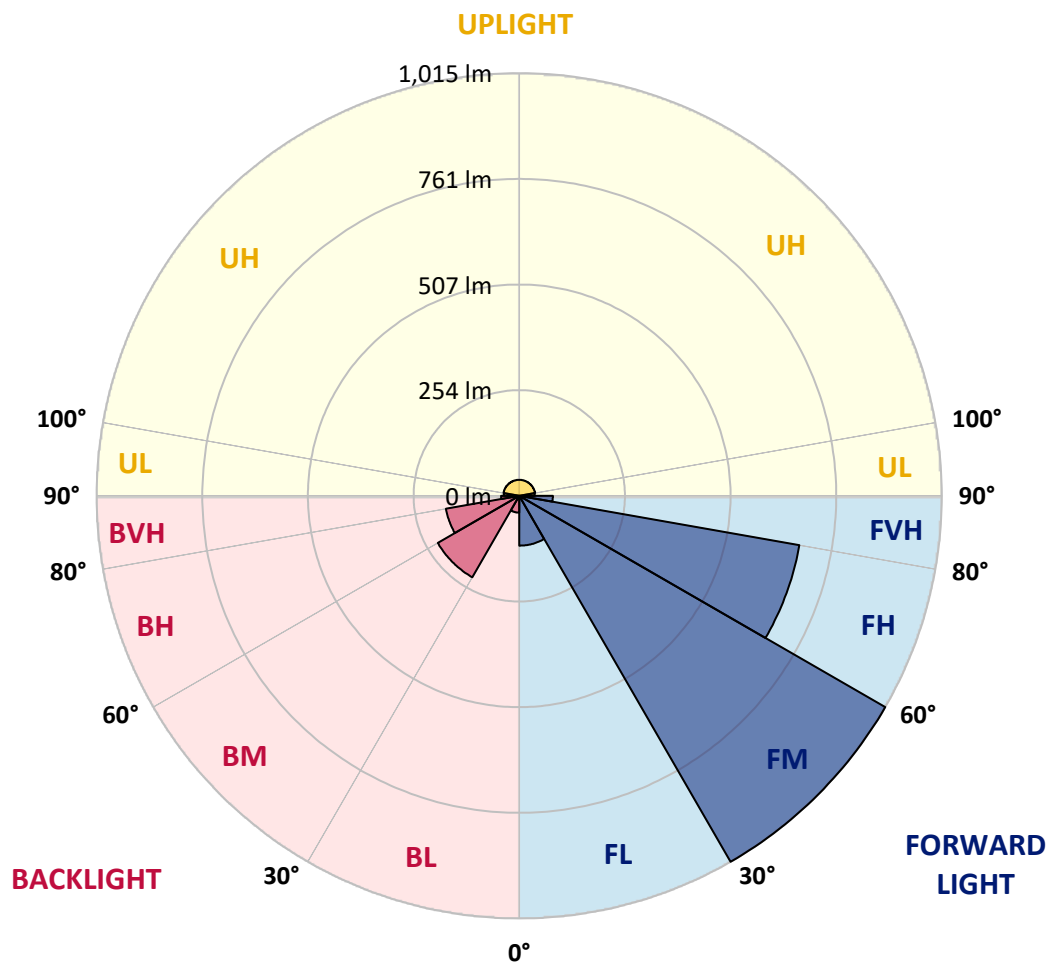


REPORT NUMBER: P694534
 CATALOG NUMBER: LXF.LXT-PA16-20-730-U-T2R-TL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	119.7	4.9			
FM (30°-60°)	1014.7	41.2			
FH (60°-80°)	682.9	27.7			G1/1800
FVH (80°-90°)	80.7	3.3			G1/100
BL (0°-30°)	40.5	1.6	B0/110		
BM (30°-60°)	225.8	9.2	B1/1000		
BH (60°-80°)	178.6	7.3	B1/500		G1/500
BVH (80°-90°)	43.6	1.8			G1/100
UL (90°-100°)	37.1	1.5		U2/50	
UH (100°-180°)	38.4	1.6		U2/50	

BUG Rating: B1-U2-G1
 Type II Short



REPORT NUMBER: P694534
 CATALOG NUMBER: LXF.LXT-PA16-20-730-U-T2R-TL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
2.5°	66.6	67.5	67.5	66.6	65.7	65.7	63.9	62.1	61.2	61.2	60.2
5°	81.2	82.1	82.1	80.3	77.6	76.7	73.0	70.3	67.5	67.5	63.9
7.5°	102.2	103.1	101.3	99.5	95.8	92.2	87.6	82.1	76.7	75.8	71.2
10°	126.9	129.6	127.8	123.2	117.7	113.2	105.9	96.7	91.3	89.4	81.2
12.5°	165.2	163.4	158.8	154.2	147.9	138.7	128.7	117.7	106.8	107.7	96.7
15°	204.4	208.1	201.7	193.5	180.7	170.7	157.0	145.1	133.3	131.4	116.8
17.5°	261.9	261.0	253.7	237.3	218.1	208.1	193.5	178.9	165.2	160.6	141.5
20°	329.5	328.6	314.0	293.0	274.7	254.6	234.6	219.1	202.6	199.0	174.3
22.5°	409.8	406.2	390.6	360.5	329.5	304.8	283.9	272.0	250.1	246.4	212.7
25°	502.9	494.7	477.4	437.2	389.7	361.4	342.3	328.6	307.6	303.0	259.2
27.5°	606.0	600.6	568.6	515.7	459.1	415.3	401.6	392.5	375.1	369.6	311.2
30°	702.8	704.6	669.9	603.3	531.2	478.3	468.2	469.1	446.3	441.8	372.4
32.5°	817.8	810.5	765.8	689.1	598.7	544.0	534.9	547.6	528.5	524.8	439.0
35°	909.1	914.5	867.1	772.2	667.2	604.2	607.9	628.9	617.9	612.4	498.3
37.5°	996.7	992.1	936.4	842.4	726.5	660.8	674.5	721.0	710.1	703.7	568.6
40°	1055.1	1049.6	1001.2	899.9	780.4	712.8	739.3	808.7	804.1	801.4	628.9
42.5°	1082.5	1075.2	1035.9	940.1	819.6	753.9	805.9	898.1	897.2	894.5	698.2
45°	1076.1	1071.5	1041.4	963.8	845.2	792.2	865.3	991.2	1007.6	994.9	762.1
47.5°	1047.8	1043.2	1022.2	963.8	858.9	816.0	918.2	1088.9	1109.9	1098.0	833.3
50°	991.2	989.4	983.9	941.0	857.0	835.1	969.3	1177.4	1234.0	1222.1	914.5
52.5°	911.8	910.9	920.0	899.9	839.7	837.9	1009.5	1279.6	1355.4	1342.6	993.9
55°	818.7	818.7	834.2	836.0	805.9	827.8	1040.5	1361.8	1485.9	1467.6	1080.7
57.5°	700.1	703.7	738.4	761.2	750.3	798.6	1051.4	1440.3	1609.1	1597.3	1170.1
60°	582.3	584.1	624.3	662.6	681.8	757.6	1041.4	1494.1	1712.3	1707.7	1242.2
62.5°	459.1	460.9	502.9	558.6	596.0	690.0	1004.0	1518.8	1792.6	1789.8	1295.1
65°	350.5	346.8	391.6	446.3	502.0	609.7	939.2	1511.5	1836.4	1834.6	1320.7
67.5°	251.9	259.2	293.0	345.9	402.5	523.9	849.7	1440.3	1809.0	1810.8	1293.3
70°	182.5	194.4	218.1	258.3	316.7	430.8	742.0	1321.6	1715.9	1726.9	1215.7
72.5°	140.6	141.5	160.6	192.6	239.1	341.4	614.3	1160.1	1547.1	1550.7	1081.6
75°	109.5	112.3	125.0	147.9	183.5	264.7	498.3	960.2	1297.0	1318.0	917.3
77.5°	89.4	90.4	100.4	114.1	140.6	199.9	372.4	757.6	1031.4	1033.2	715.6
80°	70.3	73.9	82.1	91.3	109.5	149.7	273.8	554.9	758.5	746.6	506.6
82.5°	53.9	56.6	63.0	73.0	83.1	112.3	196.2	391.6	521.2	512.0	346.8
85°	40.2	42.0	48.4	56.6	65.7	85.8	136.9	252.8	323.1	313.1	210.8
87.5°	28.3	29.2	34.7	42.0	50.2	64.8	94.9	155.2	194.4	190.8	130.5
90°	19.2	20.1	24.6	31.0	39.2	50.2	68.5	96.7	113.2	113.2	83.1
92.5°	13.7	14.6	18.3	23.7	31.0	40.2	50.2	63.0	69.4	68.5	56.6
95°	11.0	11.0	14.6	19.2	25.6	32.9	38.3	42.9	46.5	46.5	42.9
97.5°	9.1	9.1	12.8	16.4	21.9	27.4	31.0	31.9	33.8	33.8	31.9
100°	8.2	8.2	11.0	14.6	18.3	22.8	25.6	24.6	25.6	26.5	24.6
102.5°	7.3	7.3	10.0	12.8	16.4	20.1	21.0	20.1	20.1	20.1	19.2
105°	6.4	6.4	9.1	11.9	14.6	17.3	18.3	16.4	15.5	15.5	15.5
107.5°	5.5	5.5	8.2	10.0	12.8	15.5	15.5	14.6	12.8	12.8	11.9
110°	5.5	5.5	7.3	9.1	11.9	13.7	13.7	11.9	10.0	10.0	10.0

REPORT NUMBER: P694534
 CATALOG NUMBER: LXF.LXT-PA16-20-730-U-T2R-TL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
112.5°	4.6	4.6	6.4	9.1	11.0	11.9	11.9	10.0	9.1	8.2	8.2
115°	4.6	4.6	6.4	8.2	10.0	11.0	11.0	9.1	7.3	7.3	7.3
117.5°	4.6	4.6	5.5	7.3	9.1	10.0	9.1	8.2	6.4	6.4	6.4
120°	4.6	4.6	5.5	6.4	8.2	9.1	9.1	7.3	5.5	5.5	6.4
122.5°	4.6	4.6	5.5	6.4	7.3	8.2	8.2	6.4	5.5	5.5	5.5
125°	4.6	4.6	5.5	6.4	7.3	8.2	7.3	6.4	4.6	4.6	5.5
127.5°	4.6	4.6	5.5	5.5	6.4	7.3	6.4	5.5	4.6	4.6	5.5
130°	4.6	4.6	5.5	5.5	6.4	6.4	6.4	4.6	4.6	4.6	4.6
132.5°	5.5	5.5	5.5	5.5	5.5	6.4	5.5	4.6	3.7	3.7	4.6
135°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	4.6	3.7	3.7	4.6
137.5°	4.6	5.5	4.6	4.6	4.6	5.5	4.6	3.7	3.7	3.7	3.7
140°	4.6	4.6	4.6	4.6	4.6	4.6	3.7	2.7	3.7	3.7	3.7
142.5°	4.6	4.6	4.6	3.7	3.7	3.7	3.7	2.7	2.7	2.7	3.7
145°	3.7	3.7	3.7	3.7	3.7	3.7	2.7	2.7	2.7	2.7	2.7
147.5°	3.7	3.7	3.7	2.7	2.7	2.7	1.8	1.8	1.8	1.8	2.7
150°	2.7	2.7	2.7	2.7	1.8	1.8	1.8	1.8	1.8	1.8	1.8
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: P694534

CATALOG NUMBER: LXF.LXT-PA16-20-730-U-T2R-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
2.5°	59.3	58.4	57.5	56.6	54.8	53.9	53.9	52.9	52.9	52.9	52.9
5°	62.1	61.2	58.4	55.7	52.9	51.1	49.3	49.3	48.4	47.5	47.5
7.5°	68.5	65.7	61.2	56.6	53.9	50.2	48.4	46.5	45.6	45.6	45.6
10°	77.6	73.9	66.6	60.2	55.7	51.1	48.4	46.5	45.6	44.7	44.7
12.5°	90.4	85.8	74.8	66.6	58.4	53.9	50.2	48.4	47.5	47.5	47.5
15°	108.6	101.3	87.6	73.9	64.8	56.6	54.8	54.8	55.7	55.7	55.7
17.5°	132.3	121.4	100.4	83.1	71.2	63.9	61.2	62.1	63.9	63.9	63.9
20°	157.9	145.1	116.8	94.9	79.4	73.0	69.4	71.2	73.9	75.8	75.8
22.5°	193.5	175.2	136.9	107.7	89.4	81.2	79.4	81.2	85.8	87.6	87.6
25°	234.6	207.2	157.9	121.4	100.4	91.3	89.4	92.2	97.7	102.2	102.2
27.5°	277.5	242.8	180.7	135.1	110.4	99.5	98.6	103.1	110.4	115.0	115.9
30°	326.8	279.3	201.7	148.8	120.5	107.7	107.7	115.0	123.2	129.6	130.5
32.5°	375.1	317.6	220.0	160.6	129.6	115.0	115.9	125.0	136.0	141.5	143.3
35°	424.4	350.5	236.4	170.7	136.0	121.4	123.2	135.1	146.0	152.4	152.4
37.5°	471.9	380.6	244.6	176.2	141.5	126.0	129.6	143.3	154.2	159.7	160.6
40°	517.5	403.4	250.1	179.8	145.1	130.5	134.2	148.8	160.6	166.1	166.1
42.5°	557.7	422.6	251.0	180.7	147.9	133.3	138.7	153.3	164.3	167.9	168.9
45°	598.7	439.0	246.4	178.9	149.7	136.0	140.6	156.1	166.1	168.9	169.8
47.5°	636.2	452.7	241.0	177.1	150.6	136.9	142.4	157.9	167.0	167.9	168.9
50°	680.0	463.7	232.7	174.3	151.5	137.8	143.3	157.9	167.0	167.0	167.0
52.5°	722.0	472.8	224.5	171.6	151.5	137.8	143.3	158.8	167.0	166.1	166.1
55°	767.6	481.0	216.3	169.8	150.6	137.8	143.3	158.8	166.1	165.2	166.1
57.5°	803.2	484.7	209.9	167.9	150.6	136.9	142.4	157.9	165.2	165.2	165.2
60°	834.2	483.7	201.7	166.1	149.7	136.0	142.4	157.0	165.2	165.2	165.2
62.5°	852.5	475.5	193.5	164.3	147.9	134.2	141.5	157.0	165.2	166.1	166.1
65°	845.2	460.9	182.5	159.7	144.2	132.3	140.6	155.2	164.3	167.0	167.9
67.5°	814.1	428.1	170.7	153.3	140.6	130.5	139.6	153.3	162.5	167.0	167.0
70°	749.3	387.0	155.2	144.2	134.2	127.8	136.9	150.6	158.8	164.3	164.3
72.5°	659.0	334.1	140.6	132.3	126.9	123.2	134.2	146.0	153.3	157.9	157.9
75°	547.6	277.5	123.2	118.7	117.7	116.8	128.7	139.6	144.2	147.9	147.9
77.5°	428.1	223.6	105.0	105.0	105.0	108.6	121.4	128.7	132.3	136.0	136.0
80°	313.1	170.7	88.5	89.4	92.2	99.5	110.4	115.9	117.7	121.4	119.6
82.5°	213.6	124.1	73.9	73.9	79.4	87.6	98.6	101.3	102.2	105.0	102.2
85°	140.6	89.4	61.2	61.2	66.6	74.8	83.1	84.9	84.9	86.7	84.0
87.5°	91.3	65.7	50.2	50.2	53.9	62.1	68.5	68.5	68.5	70.3	67.5
90°	64.8	50.2	42.0	41.1	43.8	50.2	54.8	53.9	53.9	54.8	52.9
92.5°	47.5	41.1	35.6	34.7	36.5	41.1	43.8	42.9	43.8	42.9	42.0
95°	37.4	33.8	31.0	30.1	31.0	33.8	35.6	34.7	34.7	33.8	32.9
97.5°	30.1	28.3	27.4	26.5	26.5	27.4	29.2	28.3	29.2	27.4	26.5
100°	24.6	23.7	23.7	23.7	22.8	23.7	24.6	24.6	24.6	22.8	22.8
102.5°	19.2	20.1	21.0	21.0	20.1	21.0	21.0	21.0	21.0	19.2	19.2
105°	15.5	16.4	18.3	18.3	18.3	18.3	18.3	18.3	18.3	16.4	16.4
107.5°	12.8	13.7	15.5	16.4	15.5	15.5	16.4	16.4	15.5	14.6	14.6
110°	11.0	11.9	12.8	13.7	13.7	13.7	14.6	14.6	13.7	12.8	11.9

REPORT NUMBER: P694534
 CATALOG NUMBER: LXF.LXT-PA16-20-730-U-T2R-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	9.1	10.0	11.9	11.9	12.8	12.8	12.8	12.8	11.9	11.0	11.0
115°	8.2	9.1	10.0	11.0	11.0	11.0	11.9	11.0	10.0	10.0	10.0
117.5°	7.3	8.2	9.1	10.0	10.0	10.0	10.0	10.0	9.1	9.1	9.1
120°	6.4	7.3	8.2	9.1	9.1	9.1	9.1	9.1	8.2	8.2	8.2
122.5°	6.4	6.4	7.3	8.2	8.2	8.2	8.2	8.2	7.3	7.3	7.3
125°	5.5	6.4	7.3	7.3	7.3	7.3	7.3	7.3	6.4	6.4	7.3
127.5°	5.5	5.5	6.4	6.4	7.3	7.3	6.4	6.4	6.4	6.4	6.4
130°	5.5	5.5	5.5	6.4	6.4	6.4	6.4	5.5	5.5	5.5	5.5
132.5°	4.6	5.5	5.5	5.5	5.5	5.5	5.5	4.6	4.6	5.5	5.5
135°	4.6	4.6	4.6	5.5	5.5	4.6	4.6	4.6	4.6	4.6	4.6
137.5°	4.6	4.6	4.6	4.6	4.6	4.6	3.7	3.7	3.7	4.6	4.6
140°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
142.5°	3.7	3.7	3.7	3.7	3.7	2.7	2.7	2.7	3.7	3.7	3.7
145°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
147.5°	2.7	2.7	2.7	2.7	1.8	1.8	1.8	1.8	2.7	2.7	2.7
150°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.7	1.8	1.8
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)