

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: P694813

Luminaire Tested: **LXF.LXT-PA16-30-730-U-T3-FL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694813
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-19)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-30-730-U-T3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS AND
FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3192 lumens
Efficiency: N/A
Efficacy: 109.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Short
BUG Rating: B1 - U3 - G2

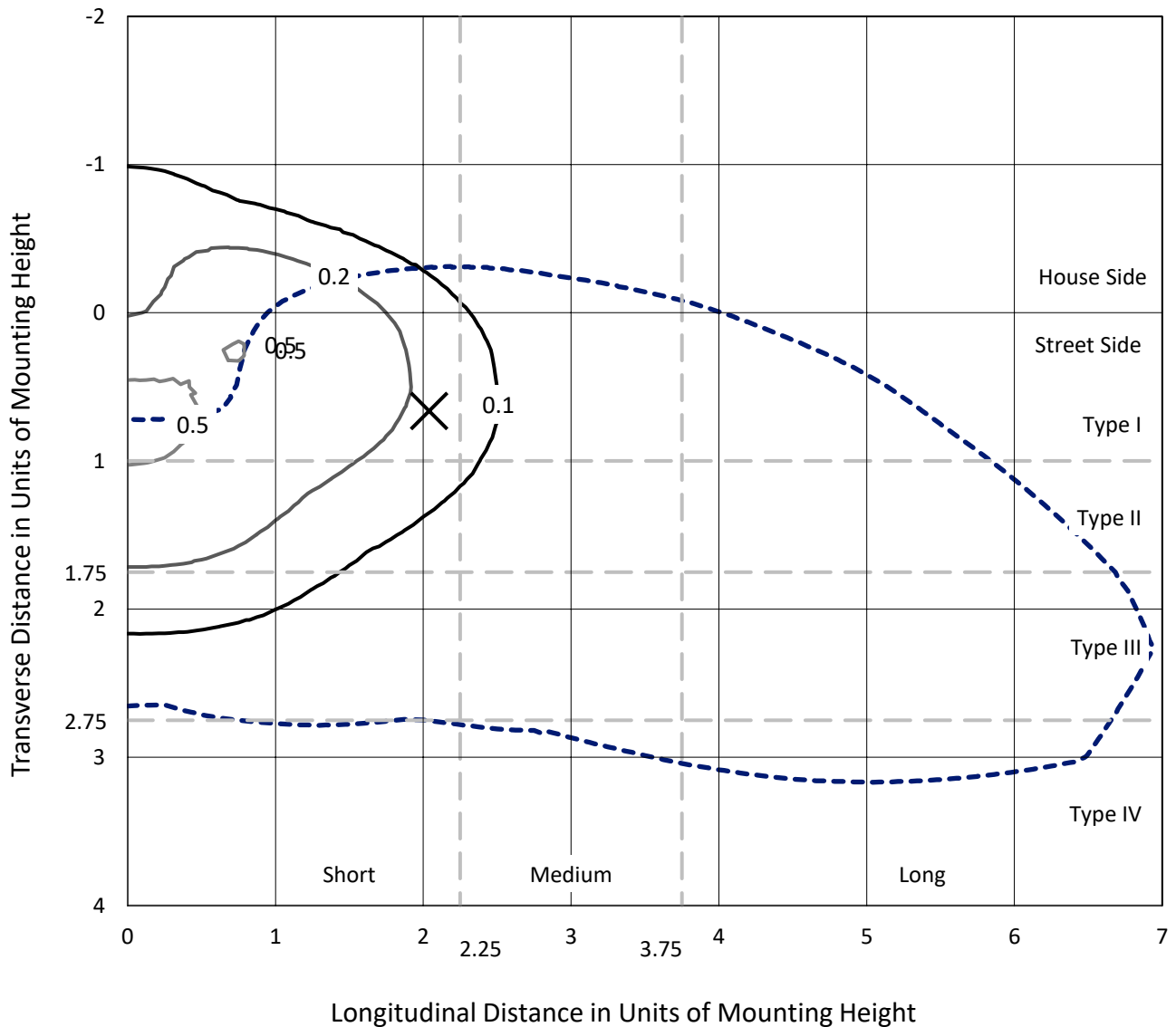
Input Watts (W): 29.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P694813
 CATALOG NUMBER: LXF.LXT-PA16-30-730-U-T3-FL

Iso-Footcandle Lines of Horizontal Illumination

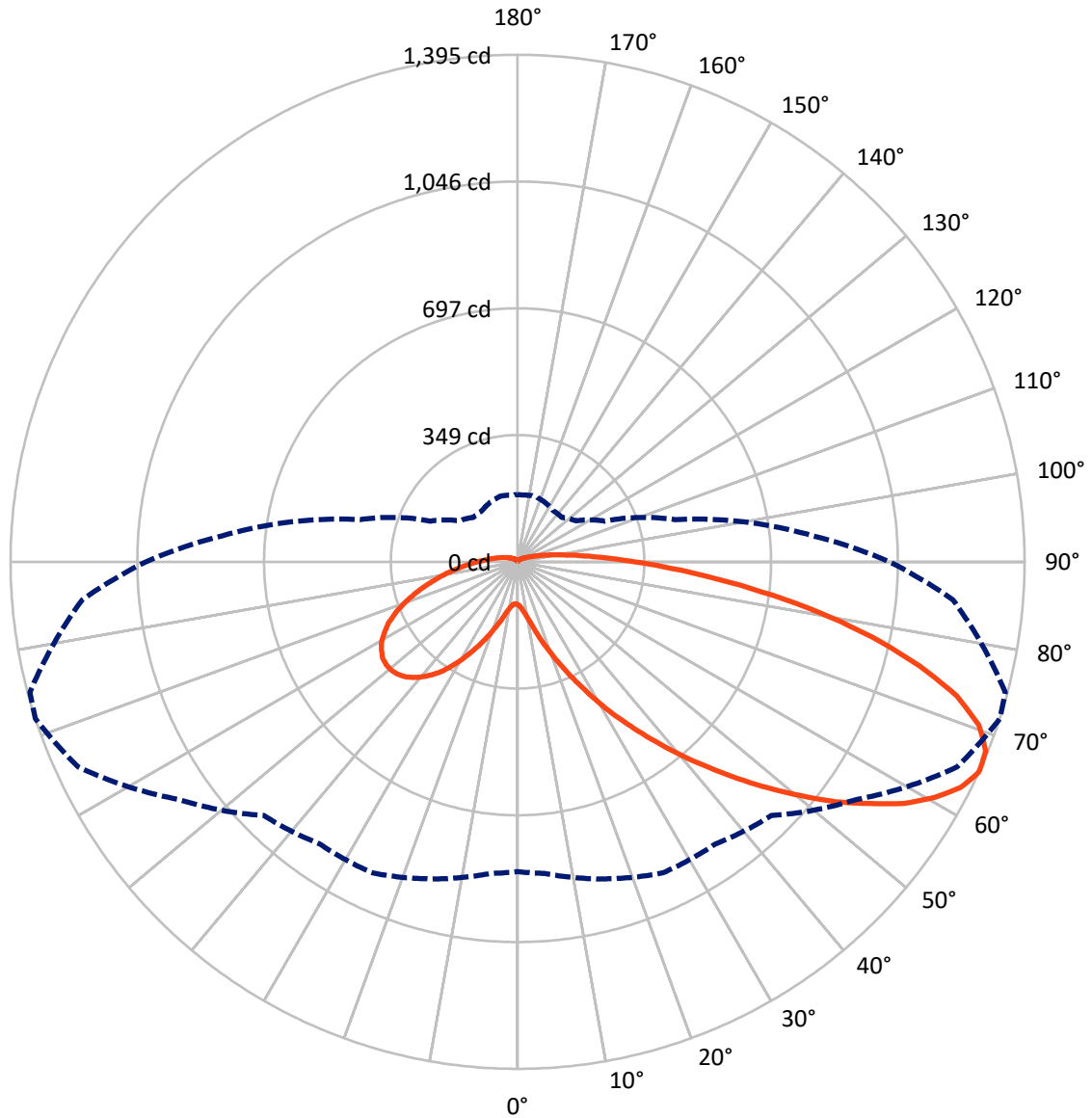
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P694813
CATALOG NUMBER: LXF.LXT-PA16-30-730-U-T3-FL

Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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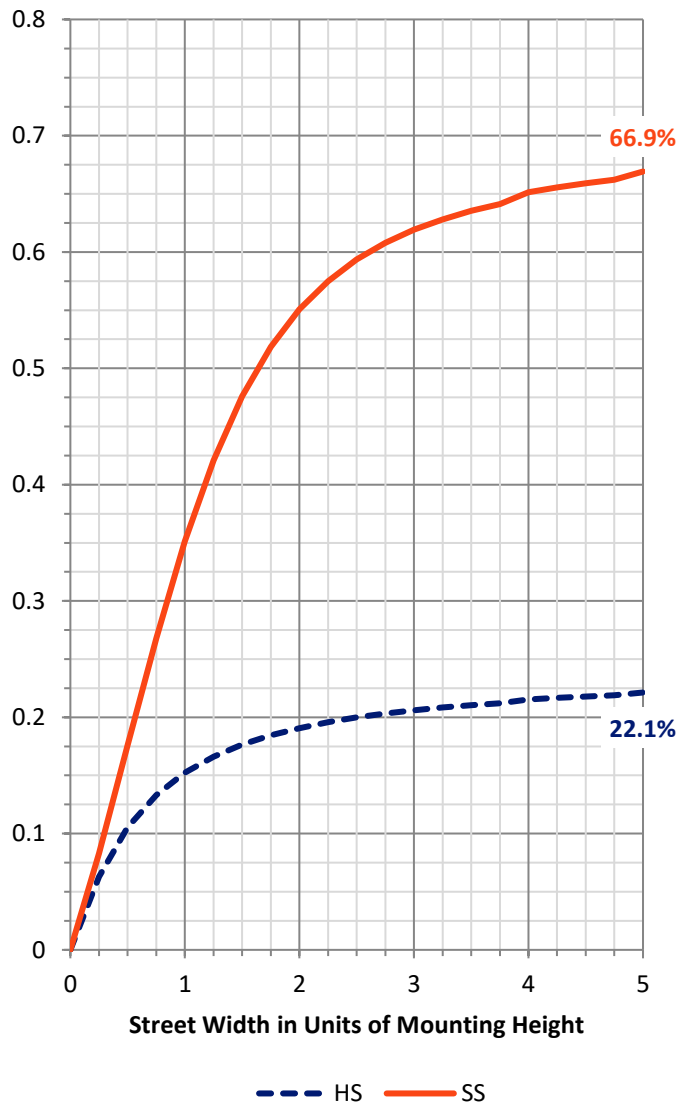
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	745.9	94.3	840.3
	% Fixture	23.4	3.0	26.3
Street Side	Lumens	2218.2	133.5	2351.7
	% Fixture	69.5	4.2	73.7
Total	Lumens	2964.1	227.9	3192.0
	% Fixture	92.9	7.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.4	0.4
10°-20°	51.9	1.6
20°-30°	133.7	4.2
30°-40°	266.0	8.3
40°-50°	433.0	13.6
50°-60°	599.4	18.8
60°-70°	669.6	21.0
70°-80°	524.2	16.4
80°-90°	274.2	8.6
90°-100°	119.3	3.7
100°-110°	55.0	1.7
110°-120°	28.0	0.9
120°-130°	15.0	0.5
130°-140°	7.5	0.2
140°-150°	2.9	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2964.1	92.9
0°-180°	3192.0	100.0

Coefficient of Utilization

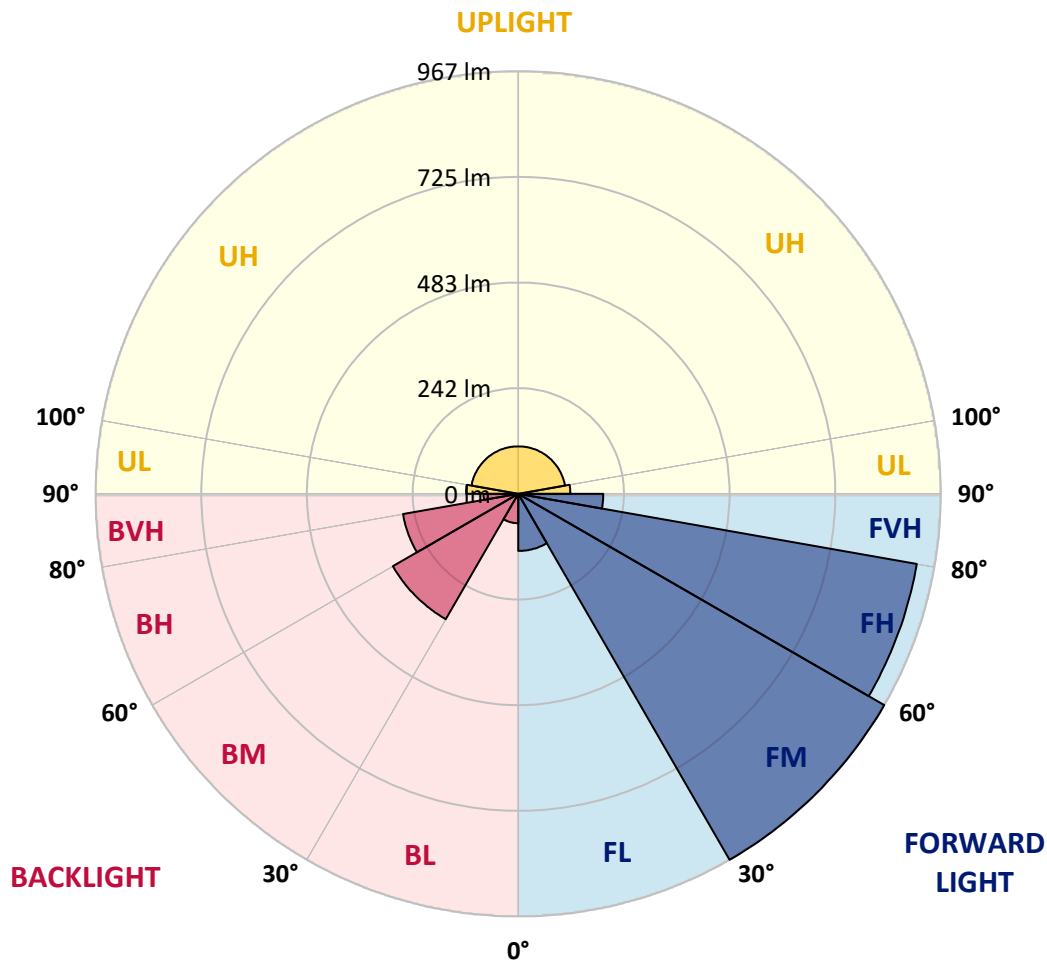


REPORT NUMBER: P694813
 CATALOG NUMBER: LXF.LXT-PA16-30-730-U-T3-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	130.7	4.1			
FM (30°-60°)	966.9	30.3			
FH (60°-80°)	926.0	29.0			G1/1800
FVH (80°-90°)	194.6	6.1			G2/225
BL (0°-30°)	67.3	2.1	B0/110		
BM (30°-60°)	331.3	10.4	B1/1000		
BH (60°-80°)	267.7	8.4	B1/500		G1/500
BVH (80°-90°)	79.6	2.5			G1/100
UL (90°-100°)	119.3	3.7		U3/500	
UH (100°-180°)	108.6	3.4		U3/500	

BUG Rating: B1-U3-G2
 Type III Short



REPORT NUMBER: P694813
 CATALOG NUMBER: LXF.LXT-PA16-30-730-U-T3-FL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	118.2	118.2	118.2	118.2	118.2	118.2	118.2	118.2	118.2	118.2	118.2
2.5°	127.6	128.8	128.8	127.6	127.6	126.5	125.3	122.9	121.7	121.7	119.4
5°	144.2	145.4	144.2	143.0	141.8	138.3	137.1	133.6	131.2	130.0	125.3
7.5°	165.5	165.5	164.3	161.9	159.6	157.2	151.3	146.6	143.0	140.7	134.7
10°	187.9	187.9	186.7	185.6	182.0	176.1	170.2	164.3	158.4	157.2	148.9
12.5°	218.7	216.3	213.9	210.4	206.8	200.9	192.7	185.6	179.7	178.5	169.0
15°	249.4	250.6	245.8	239.9	235.2	228.1	221.0	215.1	208.0	205.7	192.7
17.5°	284.8	286.0	282.5	277.8	269.5	262.4	252.9	244.7	239.9	235.2	219.8
20°	328.6	328.6	325.0	315.6	307.3	299.0	290.8	281.3	273.0	269.5	252.9
22.5°	374.7	373.5	368.8	356.9	346.3	335.7	328.6	319.1	313.2	308.5	289.6
25°	430.2	426.7	419.6	405.4	391.2	378.2	367.6	364.0	355.8	351.0	333.3
27.5°	484.6	487.0	475.1	456.2	436.1	423.1	413.7	409.0	403.0	400.7	378.2
30°	552.0	547.2	534.2	510.6	482.2	464.5	459.8	458.6	458.6	453.9	430.2
32.5°	614.6	609.9	595.7	567.3	533.1	510.6	507.1	510.6	513.0	511.8	482.2
35°	678.4	673.7	657.2	626.4	580.3	554.3	554.3	568.5	572.1	569.7	540.1
37.5°	738.7	736.4	719.8	678.4	634.7	602.8	607.5	630.0	635.9	634.7	596.9
40°	796.6	796.6	780.1	735.2	682.0	650.1	658.3	692.6	704.4	703.3	661.9
42.5°	855.7	853.4	838.0	794.3	732.8	697.3	712.7	755.3	774.2	776.5	726.9
45°	906.6	904.2	892.4	843.9	782.4	745.8	768.3	826.2	851.0	849.8	790.7
47.5°	950.3	949.1	940.8	895.9	830.9	796.6	828.5	899.5	930.2	930.2	862.8
50°	985.7	986.9	981.0	944.4	875.8	845.1	888.8	973.9	1011.7	1011.7	931.4
52.5°	1008.2	1010.6	1012.9	978.6	918.4	890.0	946.7	1051.9	1096.8	1095.7	1001.1
55°	1015.3	1017.7	1029.5	1008.2	952.6	931.4	1004.7	1127.6	1173.7	1170.1	1064.9
57.5°	1003.5	1008.2	1028.3	1021.2	976.3	964.5	1053.1	1192.6	1254.0	1250.5	1124.0
60°	973.9	979.8	1008.2	1016.5	985.7	986.9	1098.0	1257.6	1316.7	1314.3	1170.1
62.5°	921.9	931.4	968.0	990.5	977.5	996.4	1127.6	1307.2	1367.5	1364.0	1197.3
65°	852.2	860.5	903.0	944.4	947.9	986.9	1139.4	1334.4	1394.7	1388.8	1202.0
67.5°	769.4	765.9	820.3	873.5	894.7	952.6	1124.0	1330.9	1388.8	1378.1	1172.5
70°	667.8	667.8	723.3	776.5	821.5	899.5	1081.5	1293.0	1346.2	1330.9	1115.8
72.5°	548.4	561.4	609.9	672.5	728.1	822.6	1015.3	1218.6	1263.5	1245.8	1020.0
75°	449.1	459.8	502.3	565.0	628.8	734.0	917.2	1111.0	1140.6	1122.8	903.0
77.5°	360.5	365.2	411.3	464.5	530.7	626.4	800.2	976.3	997.6	978.6	770.6
80°	277.8	289.6	321.5	372.3	436.1	529.5	678.4	819.1	839.2	817.9	630.0
82.5°	218.7	222.2	251.8	300.2	354.6	433.8	557.9	665.4	674.9	650.1	508.2
85°	169.0	171.4	196.2	237.6	284.8	348.7	445.6	523.6	526.0	511.8	397.1
87.5°	128.8	133.6	156.0	189.1	229.3	284.8	351.0	405.4	401.9	391.2	309.7
90°	101.6	104.0	120.6	150.1	183.2	224.6	274.2	309.7	302.6	297.8	234.0
92.5°	80.4	81.6	99.3	121.7	148.9	182.0	215.1	238.8	229.3	225.8	178.5
95°	63.8	66.2	79.2	99.3	121.7	146.6	169.0	180.8	174.9	169.0	138.3
97.5°	52.0	53.2	65.0	81.6	100.5	119.4	134.7	139.5	133.6	131.2	107.6
100°	43.7	43.7	54.4	68.6	82.7	98.1	107.6	109.9	105.2	99.3	82.7
102.5°	36.6	36.6	44.9	57.9	70.9	81.6	87.5	87.5	81.6	78.0	66.2
105°	30.7	31.9	37.8	49.6	60.3	68.6	73.3	69.7	65.0	62.6	53.2
107.5°	27.2	27.2	33.1	42.5	52.0	57.9	60.3	56.7	52.0	48.5	42.5
110°	24.8	24.8	28.4	36.6	44.9	50.8	50.8	47.3	41.4	39.0	35.5

REPORT NUMBER: P694813
 CATALOG NUMBER: LXF.LXT-PA16-30-730-U-T3-FL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	21.3	22.5	24.8	31.9	39.0	43.7	43.7	39.0	34.3	31.9	29.5
115°	20.1	20.1	22.5	28.4	34.3	37.8	37.8	33.1	28.4	27.2	24.8
117.5°	17.7	17.7	20.1	24.8	29.5	33.1	31.9	28.4	23.6	22.5	21.3
120°	16.5	16.5	17.7	21.3	26.0	28.4	27.2	23.6	20.1	18.9	18.9
122.5°	15.4	15.4	16.5	18.9	23.6	24.8	23.6	20.1	17.7	16.5	17.7
125°	14.2	14.2	15.4	17.7	20.1	21.3	20.1	16.5	15.4	15.4	15.4
127.5°	14.2	14.2	14.2	15.4	17.7	18.9	17.7	14.2	13.0	13.0	14.2
130°	13.0	13.0	13.0	14.2	15.4	16.5	14.2	11.8	11.8	11.8	11.8
132.5°	11.8	11.8	11.8	11.8	13.0	13.0	11.8	10.6	10.6	10.6	10.6
135°	10.6	10.6	10.6	10.6	10.6	10.6	9.5	8.3	9.5	9.5	9.5
137.5°	9.5	9.5	9.5	9.5	9.5	8.3	8.3	7.1	8.3	8.3	8.3
140°	8.3	8.3	8.3	8.3	7.1	7.1	5.9	5.9	5.9	7.1	7.1
142.5°	7.1	7.1	7.1	7.1	5.9	4.7	4.7	4.7	5.9	5.9	5.9
145°	5.9	5.9	5.9	4.7	4.7	3.5	3.5	3.5	4.7	4.7	4.7
147.5°	4.7	4.7	4.7	3.5	3.5	2.4	2.4	2.4	3.5	3.5	3.5
150°	3.5	3.5	3.5	2.4	2.4	1.2	1.2	2.4	2.4	2.4	2.4
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: P694813
 CATALOG NUMBER: LXF.LXT-PA16-30-730-U-T3-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	118.2	118.2	118.2	118.2	118.2	118.2	118.2	118.2	118.2	118.2	118.2
2.5°	118.2	118.2	115.8	114.6	113.5	112.3	111.1	109.9	109.9	109.9	109.9
5°	124.1	120.6	117.0	113.5	109.9	107.6	104.0	102.8	101.6	100.5	100.5
7.5°	131.2	128.8	121.7	115.8	109.9	105.2	101.6	98.1	95.7	94.6	94.6
10°	144.2	139.5	131.2	121.7	113.5	106.4	100.5	95.7	93.4	92.2	92.2
12.5°	163.1	156.0	144.2	131.2	119.4	109.9	102.8	96.9	93.4	93.4	92.2
15°	185.6	177.3	161.9	145.4	128.8	115.8	107.6	102.8	99.3	98.1	98.1
17.5°	211.6	203.3	183.2	160.7	143.0	126.5	115.8	109.9	106.4	104.0	104.0
20°	243.5	231.7	205.7	179.7	156.0	140.7	125.3	118.2	113.5	111.1	109.9
22.5°	277.8	264.8	232.8	199.7	172.6	152.5	135.9	125.3	119.4	118.2	117.0
25°	319.1	300.2	261.2	221.0	189.1	164.3	145.4	132.4	127.6	125.3	125.3
27.5°	362.9	340.4	291.9	243.5	204.5	173.7	152.5	139.5	134.7	133.6	132.4
30°	409.0	382.9	323.9	268.3	218.7	183.2	160.7	147.7	141.8	140.7	140.7
32.5°	459.8	429.0	355.8	287.2	229.3	189.1	165.5	153.7	147.7	147.7	147.7
35°	509.4	474.0	388.9	307.3	238.8	193.8	170.2	159.6	153.7	154.8	154.8
37.5°	562.6	523.6	417.2	321.5	245.8	197.4	172.6	164.3	160.7	160.7	160.7
40°	620.5	565.0	443.2	332.1	248.2	198.6	174.9	167.8	165.5	165.5	166.7
42.5°	676.1	613.4	465.7	340.4	249.4	198.6	176.1	171.4	170.2	170.2	170.2
45°	731.6	656.0	485.8	342.8	248.2	197.4	177.3	173.7	173.7	173.7	173.7
47.5°	791.9	698.5	500.0	341.6	244.7	195.0	177.3	174.9	177.3	176.1	176.1
50°	845.1	738.7	509.4	338.0	239.9	192.7	176.1	177.3	179.7	178.5	178.5
52.5°	900.6	774.2	514.1	329.8	232.8	189.1	176.1	178.5	180.8	179.7	179.7
55°	950.3	804.9	514.1	320.3	226.9	186.7	176.1	179.7	183.2	182.0	182.0
57.5°	990.5	826.2	505.9	307.3	218.7	183.2	174.9	179.7	184.4	183.2	183.2
60°	1021.2	838.0	494.1	294.3	211.6	179.7	173.7	179.7	185.6	183.2	184.4
62.5°	1034.2	836.8	472.8	278.9	204.5	176.1	172.6	179.7	185.6	184.4	184.4
65°	1022.4	816.7	449.1	264.8	196.2	172.6	171.4	179.7	186.7	184.4	184.4
67.5°	988.1	777.7	418.4	247.0	187.9	169.0	169.0	178.5	185.6	183.2	183.2
70°	925.5	721.0	382.9	231.7	179.7	164.3	165.5	174.9	182.0	182.0	180.8
72.5°	841.5	647.7	343.9	213.9	171.4	158.4	160.7	171.4	177.3	177.3	176.1
75°	743.4	562.6	304.9	197.4	161.9	152.5	154.8	164.3	171.4	170.2	169.0
77.5°	626.4	476.3	267.1	179.7	151.3	144.2	147.7	157.2	163.1	160.7	159.6
80°	518.9	400.7	232.8	161.9	140.7	135.9	139.5	146.6	151.3	150.1	148.9
82.5°	414.9	323.9	197.4	145.4	130.0	126.5	130.0	135.9	139.5	138.3	135.9
85°	322.7	262.4	169.0	128.8	118.2	115.8	119.4	124.1	126.5	124.1	122.9
87.5°	254.1	205.7	140.7	113.5	106.4	105.2	107.6	112.3	114.6	112.3	108.7
90°	198.6	165.5	119.4	100.5	95.7	95.7	96.9	100.5	100.5	98.1	96.9
92.5°	154.8	132.4	100.5	87.5	85.1	85.1	87.5	88.6	88.6	85.1	83.9
95°	121.7	106.4	85.1	76.8	75.6	75.6	78.0	78.0	76.8	73.3	72.1
97.5°	95.7	86.3	73.3	67.4	66.2	67.4	68.6	68.6	66.2	62.6	61.5
100°	76.8	70.9	61.5	59.1	59.1	60.3	60.3	59.1	56.7	53.2	53.2
102.5°	62.6	57.9	53.2	52.0	52.0	53.2	53.2	52.0	49.6	44.9	44.9
105°	50.8	47.3	44.9	44.9	46.1	46.1	46.1	44.9	41.4	37.8	37.8
107.5°	41.4	40.2	39.0	39.0	40.2	41.4	41.4	39.0	35.5	33.1	33.1
110°	34.3	34.3	34.3	34.3	35.5	36.6	36.6	34.3	30.7	28.4	28.4

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	29.5	28.4	29.5	30.7	31.9	33.1	31.9	29.5	26.0	24.8	24.8
115°	24.8	24.8	26.0	27.2	28.4	28.4	28.4	26.0	22.5	21.3	21.3
117.5°	22.5	22.5	22.5	23.6	24.8	26.0	24.8	22.5	18.9	18.9	18.9
120°	18.9	18.9	20.1	21.3	22.5	22.5	21.3	18.9	16.5	16.5	16.5
122.5°	17.7	17.7	17.7	18.9	20.1	20.1	18.9	16.5	14.2	15.4	15.4
125°	15.4	15.4	15.4	16.5	17.7	17.7	16.5	14.2	13.0	13.0	13.0
127.5°	14.2	14.2	14.2	14.2	15.4	15.4	14.2	13.0	11.8	11.8	11.8
130°	13.0	13.0	13.0	13.0	13.0	13.0	11.8	10.6	10.6	10.6	10.6
132.5°	10.6	10.6	10.6	10.6	11.8	11.8	10.6	9.5	9.5	9.5	9.5
135°	9.5	9.5	9.5	9.5	9.5	9.5	8.3	8.3	8.3	8.3	8.3
137.5°	8.3	8.3	8.3	8.3	8.3	8.3	7.1	7.1	7.1	7.1	7.1
140°	7.1	7.1	7.1	7.1	7.1	5.9	5.9	5.9	5.9	7.1	7.1
142.5°	5.9	5.9	5.9	5.9	4.7	4.7	4.7	4.7	5.9	5.9	5.9
145°	4.7	4.7	4.7	4.7	3.5	3.5	3.5	4.7	4.7	4.7	4.7
147.5°	3.5	3.5	3.5	3.5	2.4	2.4	2.4	3.5	3.5	4.7	4.7
150°	2.4	2.4	2.4	2.4	1.2	1.2	2.4	2.4	3.5	3.5	3.5
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

(END OF REPORT)