

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: P694962

Luminaire Tested: **LXF.LXT-PA16-30-827-U-T3-CL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694962
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-18)
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-T3-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2787.1 lumens
Efficiency: N/A
Efficacy: 95.4 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 - U2 - G1

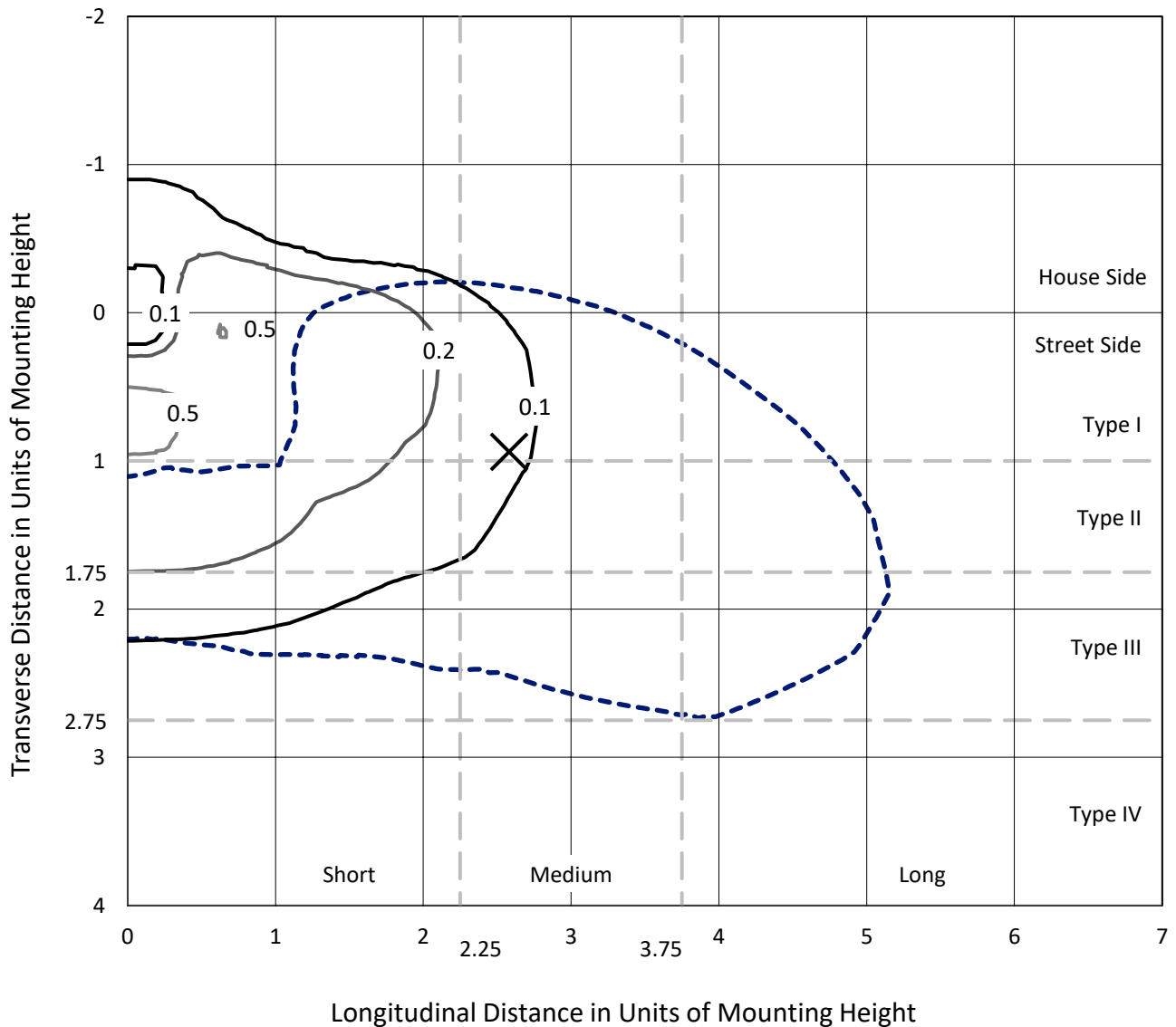
Input Watts (W): 29.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P694962
 CATALOG NUMBER: LXF.LXT-PA16-30-827-U-T3-CL

Iso-Footcandle Lines of Horizontal Illumination

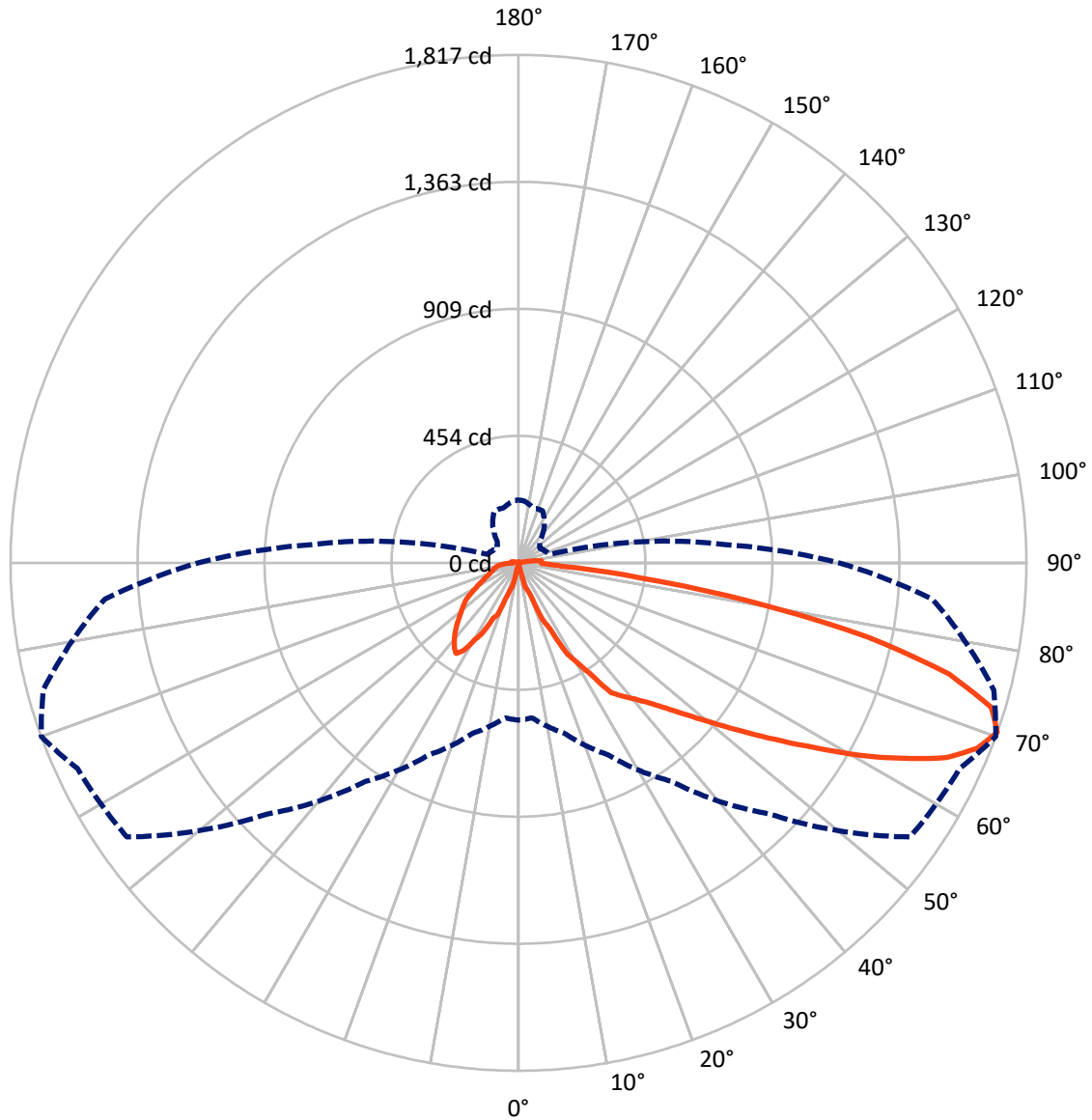
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P694962
CATALOG NUMBER: LXF.LXT-PA16-30-827-U-T3-CL

Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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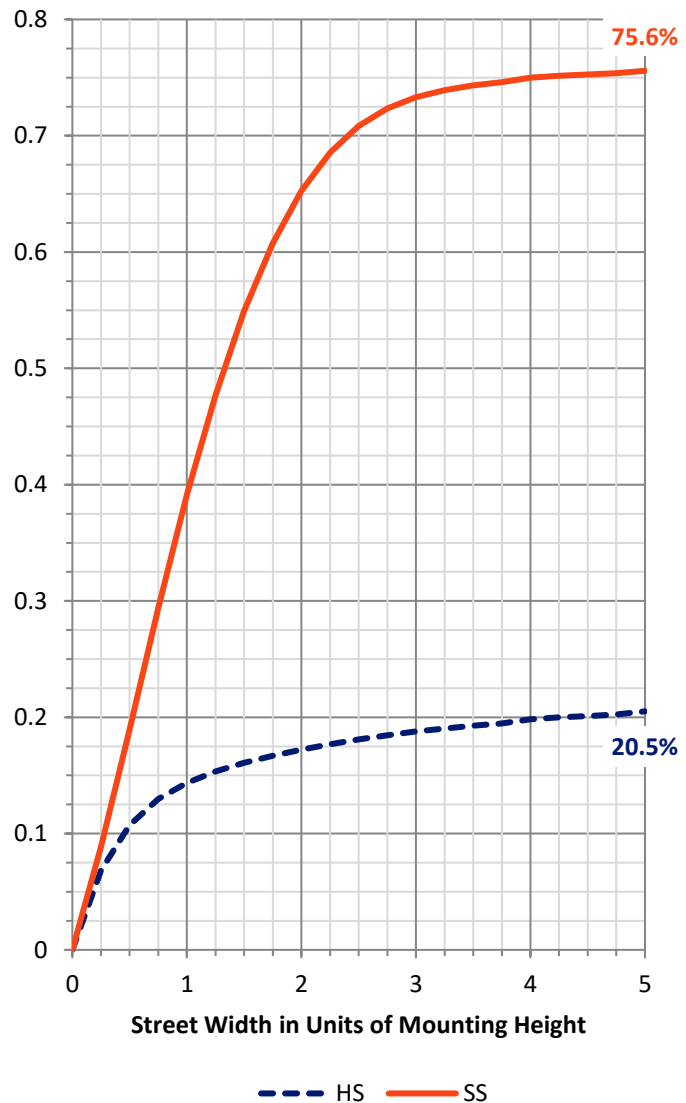
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	606.5	30.1	636.6
	% Fixture	21.8	1.1	22.8
Street Side	Lumens	2124.0	26.5	2150.5
	% Fixture	76.2	1.0	77.2
Total	Lumens	2730.5	56.6	2787.1
	% Fixture	98.0	2.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.2	0.0
10°-20°	19.9	0.7
20°-30°	113.9	4.1
30°-40°	262.9	9.4
40°-50°	385.1	13.8
50°-60°	569.5	20.4
60°-70°	746.9	26.8
70°-80°	507.3	18.2
80°-90°	124.8	4.5
90°-100°	41.0	1.5
100°-110°	7.3	0.3
110°-120°	2.9	0.1
120°-130°	2.3	0.1
130°-140°	1.7	0.1
140°-150°	1.2	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2730.5	98.0
0°-180°	2787.1	100.0

Coefficient of Utilization

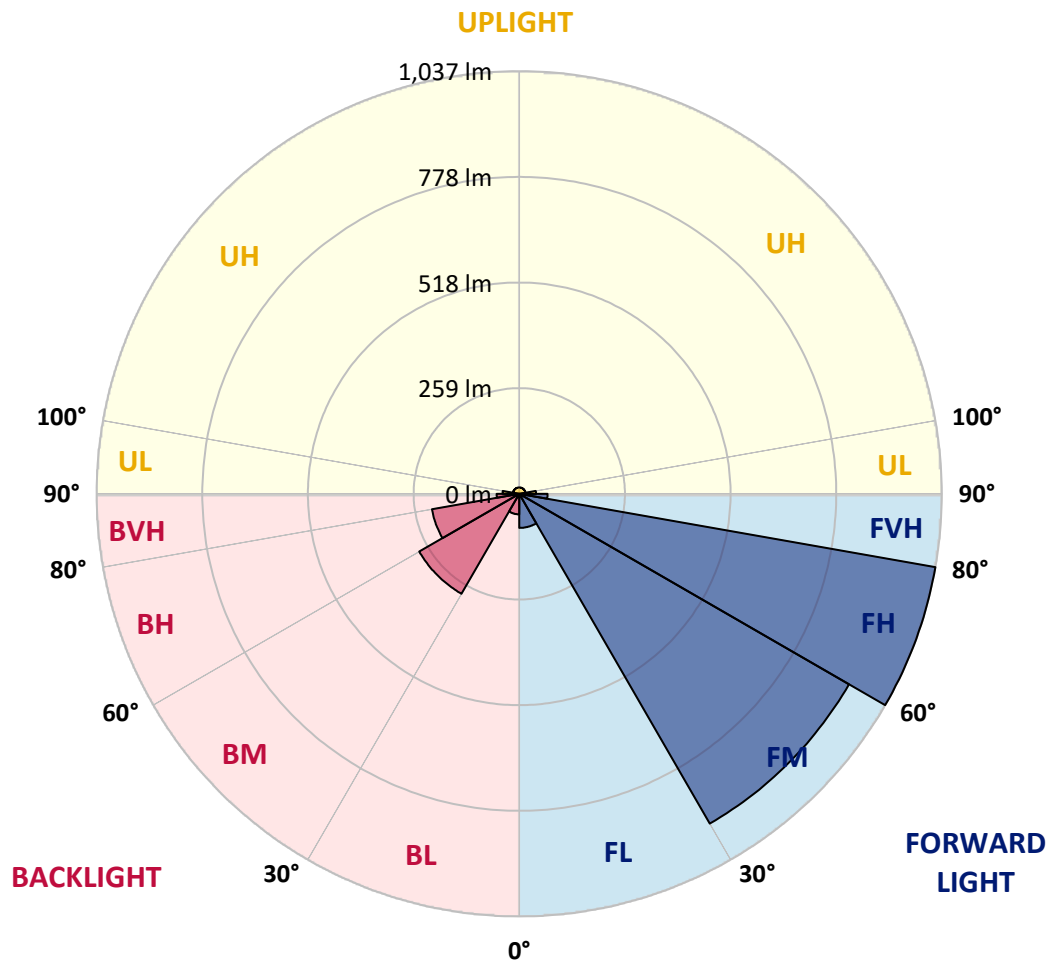


REPORT NUMBER: P694962
 CATALOG NUMBER: LXF.LXT-PA16-30-827-U-T3-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	83.7	3.0			
FM (30°-60°)	934.2	33.5			
FH (60°-80°)	1036.8	37.2			G1/1800
FVH (80°-90°)	69.3	2.5			G1/100
BL (0°-30°)	50.3	1.8	B0/110		
BM (30°-60°)	283.2	10.2	B1/1000		
BH (60°-80°)	217.5	7.8	B1/500		G1/500
BVH (80°-90°)	55.5	2.0			G1/100
UL (90°-100°)	41.0	1.5		U2/50	
UH (100°-180°)	15.6	0.6		U2/50	

BUG Rating: B1-U2-G1
 Type III Medium



REPORT NUMBER: P694962
 CATALOG NUMBER: LXF.LXT-PA16-30-827-U-T3-CL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
5°	2.0	2.0	2.0	2.0	2.9	2.9	2.0	2.0	2.0	2.0	2.0
7.5°	2.9	2.0	2.0	2.9	2.9	2.9	2.9	2.0	2.0	2.0	2.0
10°	16.6	17.6	11.7	6.8	4.9	2.9	2.9	2.9	2.9	2.9	2.9
12.5°	89.7	88.8	86.8	60.5	21.5	6.8	4.9	8.8	10.7	13.7	19.5
15°	101.4	102.4	99.5	98.5	92.7	35.1	18.5	81.9	89.7	90.7	90.7
17.5°	141.4	140.4	126.8	111.2	104.4	108.3	86.8	97.5	101.4	103.4	104.4
20°	238.0	237.0	234.1	199.9	128.7	158.0	153.1	116.1	122.9	158.0	200.9
22.5°	265.3	263.3	259.4	249.7	258.5	180.4	175.6	203.8	221.4	232.1	231.2
25°	406.7	410.6	338.4	280.9	285.8	246.8	265.3	263.3	258.5	260.4	263.3
27.5°	452.6	448.7	442.8	414.5	318.0	335.5	302.4	336.5	367.7	385.3	380.4
30°	580.3	579.4	510.1	461.3	417.4	363.8	376.5	424.3	413.5	416.5	400.9
32.5°	677.9	676.9	667.1	569.6	473.0	411.6	446.7	448.7	476.0	529.6	534.5
35°	715.9	712.0	705.2	634.0	538.4	484.7	472.1	555.0	570.6	572.5	558.9
37.5°	754.9	750.0	744.2	665.2	602.8	514.0	541.3	604.7	604.7	617.4	583.3
40°	777.3	777.3	776.4	691.5	632.0	540.3	575.5	642.8	640.8	649.6	617.4
42.5°	805.6	802.7	813.4	718.8	662.3	567.6	608.6	678.8	684.7	707.1	663.2
45°	845.6	849.5	854.4	777.3	703.2	607.6	647.6	735.4	741.3	771.5	729.6
47.5°	889.5	894.4	911.9	838.8	769.5	658.4	680.8	799.8	813.4	850.5	813.4
50°	944.1	945.1	970.5	900.2	854.4	730.5	741.3	862.2	898.3	931.5	909.0
52.5°	983.1	987.0	1018.3	979.2	932.4	817.3	829.0	943.2	999.7	1040.7	1012.4
55°	1017.3	1020.2	1049.5	1039.7	997.8	883.7	943.2	1052.4	1115.8	1150.9	1139.2
57.5°	1030.0	1032.9	1076.8	1084.6	1064.1	967.5	1063.1	1160.7	1245.5	1284.5	1265.0
60°	1021.2	1021.2	1074.8	1116.8	1137.3	1060.2	1189.9	1282.6	1397.7	1424.0	1430.8
62.5°	991.9	999.7	1065.1	1130.4	1189.9	1150.9	1318.7	1433.8	1540.1	1564.5	1548.8
65°	927.6	929.5	998.8	1101.2	1195.8	1249.4	1483.5	1561.5	1681.5	1672.7	1606.4
67.5°	805.6	792.0	852.4	996.8	1131.4	1300.1	1621.0	1669.8	1770.2	1741.0	1591.8
70°	562.8	556.9	631.0	757.8	953.9	1270.9	1709.8	1741.0	1817.1	1760.5	1485.4
72.5°	267.2	288.7	325.8	434.0	661.3	1072.9	1685.4	1734.2	1768.3	1703.9	1290.4
75°	117.0	120.0	139.5	197.0	340.4	677.9	1474.7	1557.6	1591.8	1518.6	1016.3
77.5°	83.9	83.9	92.7	107.3	155.1	323.8	1004.6	1233.8	1277.7	1206.5	712.0
80°	65.3	65.3	72.2	81.9	96.6	133.6	626.2	827.1	842.7	737.4	397.0
82.5°	48.8	50.7	56.6	61.4	71.2	91.7	268.2	425.2	436.0	342.3	207.7
85°	35.1	35.1	39.0	39.0	46.8	71.2	138.5	156.1	155.1	137.5	128.7
87.5°	11.7	11.7	9.8	11.7	19.5	44.9	86.8	87.8	83.9	95.6	108.3
90°	13.7	13.7	9.8	10.7	14.6	41.0	83.9	83.9	80.0	85.8	108.3
92.5°	14.6	14.6	10.7	10.7	12.7	36.1	84.9	88.8	83.9	86.8	107.3
95°	14.6	14.6	10.7	9.8	11.7	24.4	81.9	81.9	79.0	77.1	84.9
97.5°	8.8	8.8	6.8	7.8	9.8	12.7	48.8	50.7	44.9	35.1	45.8
100°	5.9	5.9	4.9	5.9	6.8	6.8	23.4	24.4	18.5	8.8	9.8
102.5°	5.9	5.9	3.9	4.9	3.9	3.9	6.8	8.8	5.9	5.9	7.8
105°	5.9	6.8	2.9	2.9	2.9	2.9	2.9	5.9	4.9	4.9	7.8
107.5°	5.9	5.9	2.9	2.9	2.9	2.9	2.0	2.9	3.9	4.9	8.8
110°	2.9	3.9	2.0	2.9	2.0	2.9	2.0	2.9	3.9	3.9	6.8

REPORT NUMBER: P694962
 CATALOG NUMBER: LXF.LXT-PA16-30-827-U-T3-CL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	2.0	2.0	1.0	2.0	2.0	2.0	2.0	2.9	2.9	2.9	4.9
115°	2.0	2.0	1.0	1.0	1.0	2.0	2.0	2.0	2.9	2.9	4.9
117.5°	2.0	2.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0	2.9	4.9
120°	2.9	2.0	1.0	1.0	1.0	1.0	2.0	2.0	2.9	2.9	4.9
122.5°	2.9	2.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	2.9	4.9
125°	2.9	2.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	2.9	4.9
127.5°	2.0	2.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	2.9	4.9
130°	2.0	2.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	2.9	3.9
132.5°	2.0	2.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0	2.0	3.9
135°	2.0	2.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0	2.0	2.9
137.5°	2.0	2.0	1.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
140°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
142.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
145°	2.9	2.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
147.5°	2.9	2.9	2.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.9
150°	2.9	2.9	2.9	2.0	2.0	1.0	2.0	2.0	2.0	2.0	2.9
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: P694962
 CATALOG NUMBER: LXF.LXT-PA16-30-827-U-T3-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.9	2.9
5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.9
7.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
10°	2.9	2.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.9
12.5°	17.6	17.6	13.7	6.8	2.9	2.0	2.0	2.0	2.9	4.9	3.9
15°	92.7	92.7	90.7	82.9	17.6	4.9	3.9	8.8	39.0	70.2	71.2
17.5°	106.3	105.3	103.4	98.5	87.8	31.2	30.2	81.9	87.8	91.7	92.7
20°	199.9	198.0	153.1	109.2	95.6	94.6	82.9	92.7	95.6	97.5	98.5
22.5°	228.2	225.3	214.6	189.2	109.2	128.7	120.9	100.5	150.2	160.9	160.9
25°	262.4	254.6	233.1	203.8	186.3	135.6	139.5	146.3	155.1	157.0	157.0
27.5°	373.6	366.7	335.5	224.3	199.9	160.0	161.9	148.3	156.1	178.5	181.4
30°	391.1	380.4	352.1	277.0	207.7	179.5	155.1	173.6	182.4	181.4	182.4
32.5°	520.8	510.1	452.6	284.8	223.4	168.7	169.7	173.6	179.5	189.2	196.0
35°	541.3	529.6	464.3	323.8	213.6	167.8	167.8	175.6	201.9	205.8	205.8
37.5°	563.7	554.0	459.4	302.4	215.6	167.8	162.9	179.5	190.2	189.2	189.2
40°	602.8	587.2	446.7	276.0	196.0	160.9	162.9	168.7	174.6	168.7	165.8
42.5°	648.6	620.3	430.1	248.7	180.4	152.2	154.1	156.1	156.1	145.3	144.4
45°	707.1	654.5	407.7	223.4	165.8	141.4	146.3	143.4	143.4	134.6	133.6
47.5°	773.4	689.6	380.4	200.9	153.1	131.7	138.5	135.6	137.5	129.7	128.7
50°	850.5	735.4	354.0	184.3	142.4	126.8	130.7	134.6	137.5	127.8	126.8
52.5°	931.5	780.3	335.5	165.8	132.6	120.9	133.6	134.6	136.5	126.8	126.8
55°	1030.9	835.9	313.1	152.2	125.8	116.1	140.4	140.4	137.5	128.7	127.8
57.5°	1138.2	891.5	271.1	139.5	120.0	113.1	143.4	148.3	141.4	130.7	130.7
60°	1237.7	947.1	223.4	129.7	114.1	112.2	145.3	152.2	146.3	136.5	136.5
62.5°	1313.8	974.4	187.3	121.9	107.3	109.2	144.4	160.0	158.0	153.1	153.1
65°	1322.6	950.0	157.0	115.1	101.4	108.3	142.4	167.8	168.7	176.5	177.5
67.5°	1275.7	872.0	133.6	109.2	96.6	105.3	143.4	184.3	189.2	203.8	201.9
70°	1147.0	745.2	116.1	102.4	92.7	106.3	160.9	204.8	203.8	222.4	224.3
72.5°	957.8	590.1	105.3	98.5	94.6	114.1	181.4	210.7	206.8	227.3	225.3
75°	726.6	416.5	96.6	93.6	91.7	116.1	186.3	204.8	197.0	210.7	208.7
77.5°	477.9	274.1	87.8	87.8	88.8	111.2	178.5	195.1	185.3	194.1	193.1
80°	269.2	162.9	79.0	82.9	84.9	106.3	166.8	181.4	171.7	178.5	178.5
82.5°	161.9	116.1	69.2	76.1	78.0	105.3	156.1	168.7	160.0	163.9	159.0
85°	110.2	84.9	54.6	64.4	73.2	101.4	147.3	156.1	140.4	137.5	133.6
87.5°	89.7	66.3	30.2	41.0	54.6	86.8	117.0	118.0	103.4	101.4	100.5
90°	87.8	61.4	21.5	22.4	36.1	60.5	77.1	74.1	69.2	70.2	69.2
92.5°	85.8	58.5	23.4	24.4	36.1	47.8	65.3	64.4	59.5	64.4	63.4
95°	73.2	50.7	24.4	26.3	31.2	29.3	47.8	50.7	46.8	49.7	50.7
97.5°	38.0	27.3	23.4	26.3	23.4	17.6	28.3	32.2	24.4	19.5	21.5
100°	12.7	8.8	23.4	27.3	17.6	12.7	20.5	23.4	14.6	5.9	5.9
102.5°	7.8	7.8	16.6	21.5	12.7	6.8	13.7	16.6	10.7	4.9	4.9
105°	7.8	7.8	6.8	11.7	4.9	3.9	4.9	8.8	5.9	4.9	4.9
107.5°	8.8	7.8	3.9	3.9	3.9	2.9	2.9	3.9	3.9	4.9	4.9
110°	7.8	6.8	3.9	3.9	2.9	2.9	2.9	2.9	3.9	5.9	5.9

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	4.9	5.9	3.9	2.9	2.9	2.9	2.9	2.9	3.9	5.9	5.9
115°	4.9	4.9	2.9	2.9	2.0	2.9	2.9	2.9	3.9	5.9	6.8
117.5°	5.9	4.9	2.9	2.0	2.0	2.0	2.0	2.9	3.9	6.8	6.8
120°	5.9	4.9	2.9	2.9	2.0	2.0	2.0	2.9	3.9	6.8	7.8
122.5°	5.9	4.9	2.9	2.0	2.0	2.0	2.0	2.9	3.9	6.8	7.8
125°	4.9	4.9	2.9	2.0	2.0	2.0	2.0	2.9	3.9	6.8	6.8
127.5°	4.9	4.9	2.9	2.0	2.0	2.0	2.0	2.9	3.9	6.8	6.8
130°	4.9	3.9	2.9	2.0	2.0	2.0	2.0	2.9	3.9	5.9	6.8
132.5°	3.9	3.9	2.9	2.0	2.0	2.0	2.0	2.0	3.9	5.9	5.9
135°	2.9	2.9	2.0	2.0	2.0	2.0	2.0	2.0	2.9	3.9	4.9
137.5°	2.0	2.0	2.0	2.0	1.0	1.0	2.0	2.0	2.9	2.9	3.9
140°	2.0	2.0	2.0	2.0	1.0	1.0	2.0	2.0	2.0	2.9	2.9
142.5°	2.0	2.0	2.0	2.0	1.0	1.0	2.0	2.0	2.0	2.9	2.9
145°	2.0	2.0	2.0	2.0	1.0	1.0	2.0	2.0	2.0	2.9	2.9
147.5°	2.9	2.0	2.0	2.0	1.0	1.0	2.0	2.0	2.0	2.9	2.9
150°	2.9	2.0	2.0	1.0	1.0	1.0	1.0	2.0	2.0	2.9	2.9
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)