

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: P694771

Luminaire Tested: **LXF.LXT-PA16-30-727-U-T2R-A**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P694771  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-30-727-U-T2R-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY OPTICS AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2943 lumens  
Efficiency: N/A  
Efficacy: 100.8 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 - G2

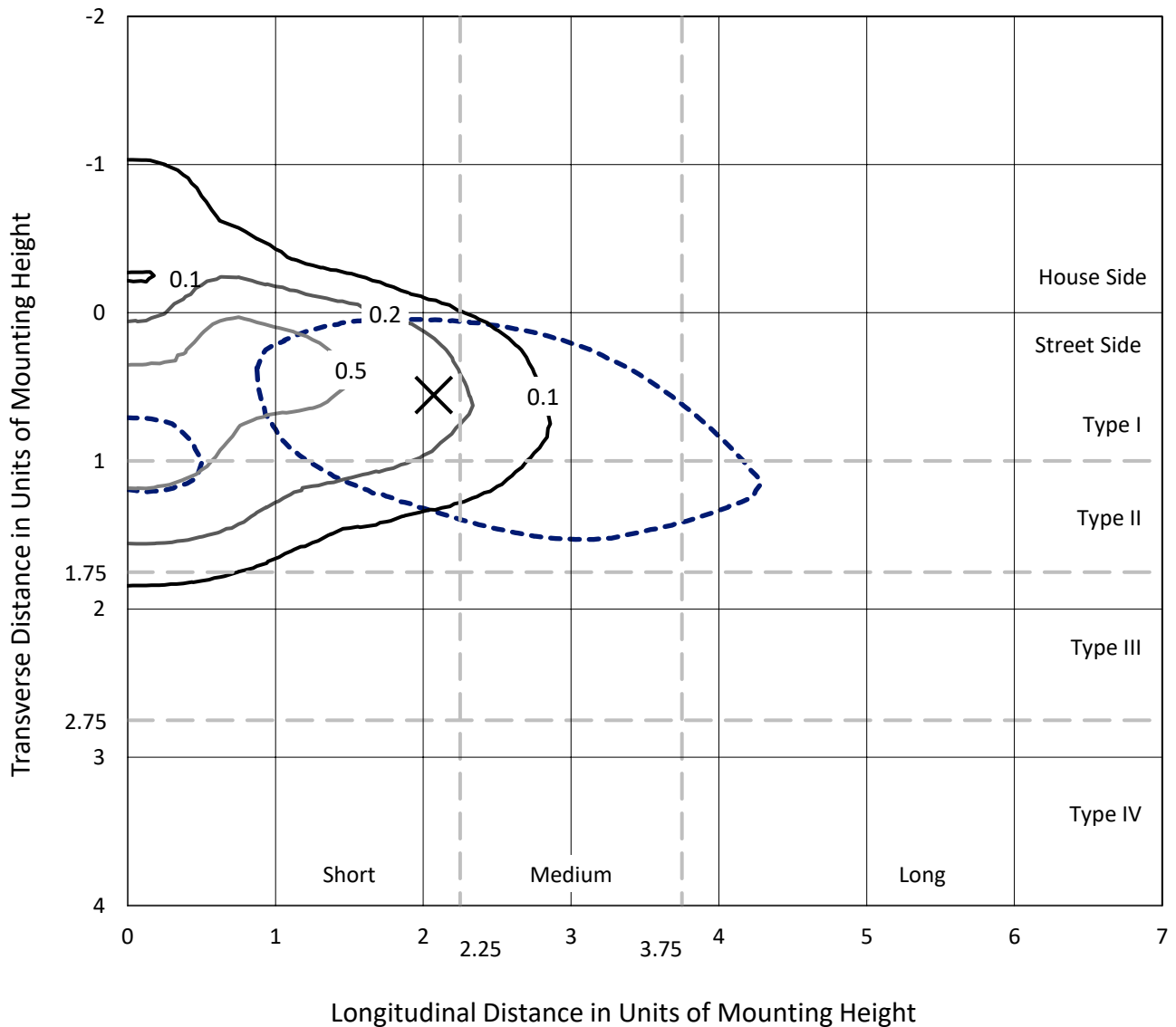
Input Watts (W): 29.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

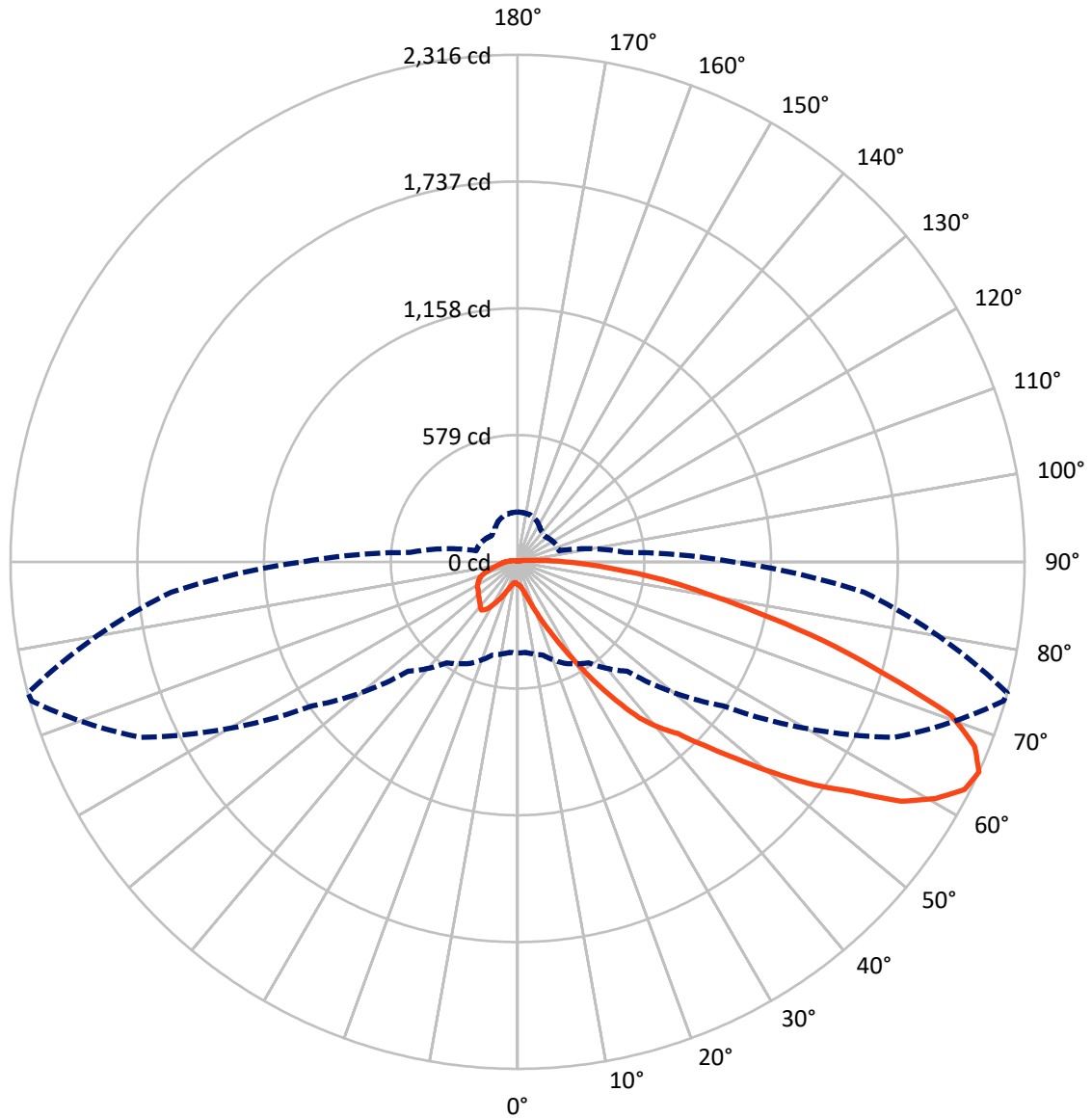
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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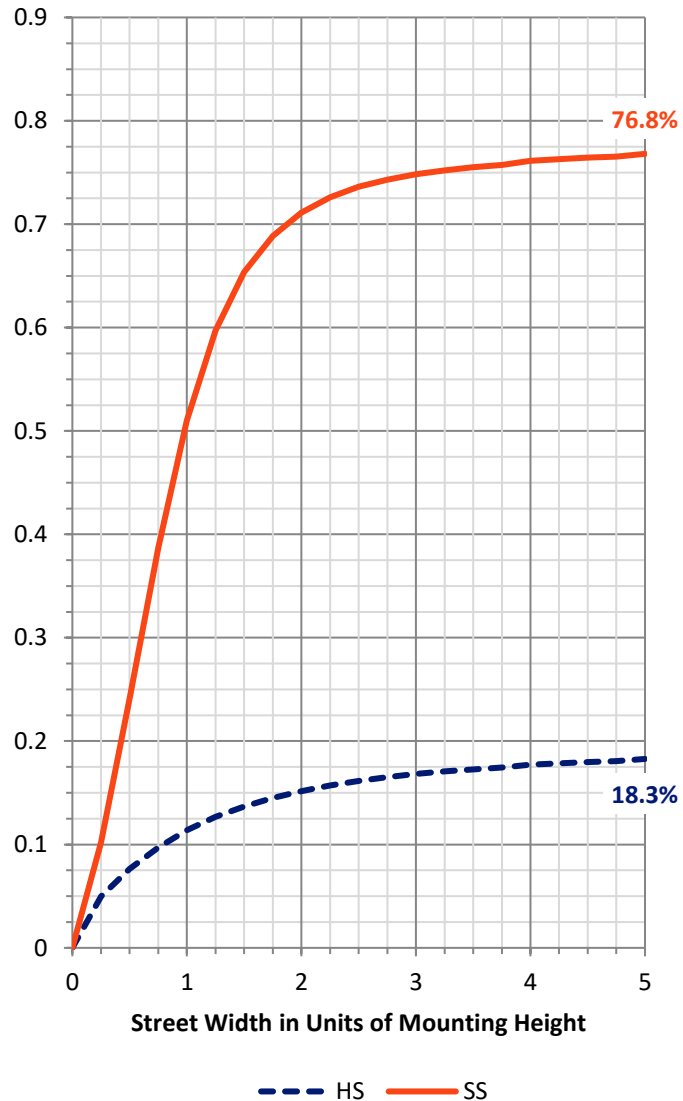
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	563.5	44.8	608.2
	% Fixture	19.1	1.5	20.7
<b>Street Side</b>	Lumens	2289.9	44.9	2334.8
	% Fixture	77.8	1.5	79.3
<b>Total</b>	Lumens	2853.4	89.6	2943.0
	% Fixture	97.0	3.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	10.4	0.4
10°-20°	44.9	1.5
20°-30°	140.3	4.8
30°-40°	333.4	11.3
40°-50°	516.2	17.5
50°-60°	644.1	21.9
60°-70°	630.2	21.4
70°-80°	383.3	13.0
80°-90°	150.5	5.1
90°-100°	47.0	1.6
100°-110°	18.8	0.6
110°-120°	10.4	0.4
120°-130°	6.8	0.2
130°-140°	4.5	0.2
140°-150°	2.0	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2853.4	97.0
0°-180°	2943.0	100.0

**Coefficient of Utilization**



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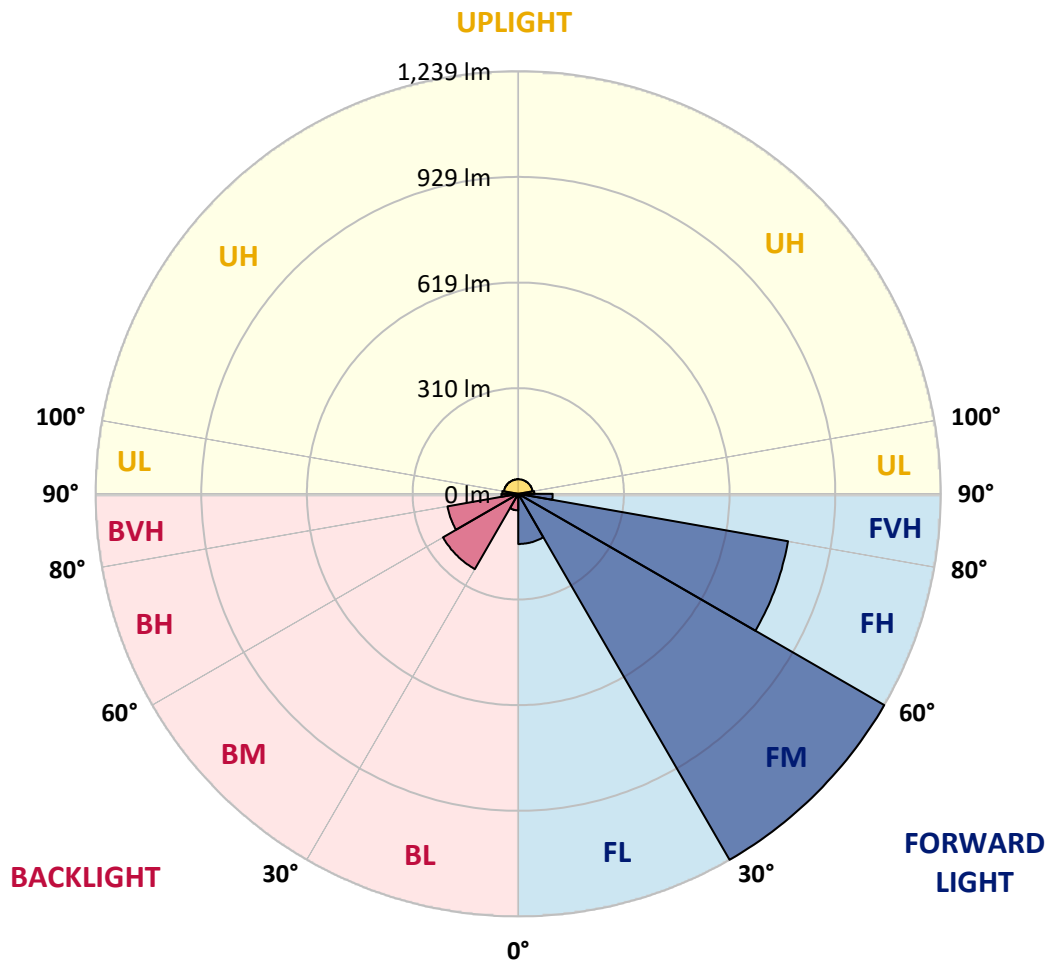
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	147.1	5.0			
FM (30°-60°)	1238.8	42.1			
FH (60°-80°)	803.0	27.3			G1/1800
FVH (80°-90°)	101.0	3.4			G2/225
BL (0°-30°)	48.5	1.6	B0/110		
BM (30°-60°)	254.9	8.7	B1/1000		
BH (60°-80°)	210.5	7.2	B1/500		G1/500
BVH (80°-90°)	49.5	1.7			G1/100
UL (90°-100°)	47.0	1.6		U2/50	
UH (100°-180°)	42.7	1.5		U2/50	

**BUG Rating: B1-U2-G2**

Type II Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	103.4	103.4	103.4	103.4	103.4	103.4	103.4	103.4	103.4	103.4	103.4
2.5°	114.2	115.3	114.2	113.1	112.1	111.0	108.8	107.7	105.5	105.5	103.4
5°	132.7	132.7	132.7	129.5	127.3	125.1	119.7	115.3	111.0	109.9	106.6
7.5°	155.6	153.4	152.3	149.0	144.7	140.3	132.7	125.1	118.6	117.5	111.0
10°	182.8	181.7	180.6	176.2	168.6	161.0	150.1	140.3	129.5	128.4	117.5
12.5°	219.8	218.7	214.3	208.9	198.0	186.0	173.0	161.0	146.9	145.8	130.6
15°	260.0	261.1	257.8	247.0	236.1	219.8	204.5	190.4	175.2	170.8	151.2
17.5°	320.9	319.8	312.2	293.7	280.7	263.3	243.7	225.2	206.7	203.4	178.4
20°	387.3	389.5	378.6	352.5	331.8	311.1	294.8	267.6	249.1	247.0	212.1
22.5°	472.2	477.6	454.7	428.6	393.8	369.9	353.6	327.5	301.4	301.4	256.7
25°	583.1	585.3	554.8	512.4	468.9	431.9	417.8	401.4	371.0	366.6	314.4
27.5°	697.4	703.9	668.0	612.5	547.2	502.6	493.9	485.2	448.2	447.1	374.2
30°	874.7	871.4	810.5	731.1	636.4	577.7	572.2	582.0	547.2	542.9	452.6
32.5°	1035.7	1030.3	965.0	860.5	731.1	661.5	652.8	685.4	661.5	660.4	541.8
35°	1168.4	1160.8	1102.1	984.6	833.3	738.7	744.1	798.5	786.6	781.1	623.4
37.5°	1230.4	1243.5	1193.4	1079.2	921.5	818.1	843.1	923.6	912.8	905.1	712.6
40°	1272.9	1290.3	1238.1	1130.3	982.4	888.8	929.1	1027.0	1004.1	994.4	750.7
42.5°	1288.1	1302.2	1267.4	1159.7	1019.4	942.1	995.4	1103.1	1089.0	1072.7	805.1
45°	1278.3	1295.7	1268.5	1172.8	1037.9	974.8	1044.4	1200.0	1210.9	1197.8	882.3
47.5°	1240.2	1259.8	1250.0	1172.8	1043.3	991.1	1103.1	1322.9	1347.9	1341.4	967.2
50°	1138.0	1159.7	1177.1	1149.9	1037.9	996.5	1168.4	1444.8	1518.7	1514.4	1084.7
52.5°	1055.3	1072.7	1079.2	1078.1	1017.2	1004.1	1230.4	1603.6	1697.2	1690.6	1190.2
55°	944.3	955.2	986.7	979.1	948.7	993.3	1277.2	1720.0	1858.2	1850.5	1310.9
57.5°	752.8	771.3	830.1	892.1	863.8	957.4	1297.9	1825.5	2073.6	2063.8	1450.2
60°	640.8	646.2	679.9	738.7	777.9	885.6	1290.3	1934.3	2203.0	2194.3	1513.3
62.5°	522.2	525.5	567.9	617.9	673.4	806.1	1245.7	1940.8	2286.8	2291.2	1575.3
65°	416.7	415.6	440.6	512.4	563.5	707.1	1148.8	1897.3	2308.6	2316.2	1587.3
67.5°	317.7	327.5	360.1	397.1	466.7	592.9	1010.7	1783.1	2249.8	2252.0	1538.3
70°	218.7	223.0	253.5	312.2	364.5	491.7	858.4	1606.9	2101.9	2101.9	1399.1
72.5°	157.7	163.2	178.4	216.5	281.8	385.1	709.3	1379.5	1771.1	1753.7	1171.7
75°	117.5	118.6	132.7	155.6	199.1	300.3	551.6	1084.7	1438.2	1443.7	962.8
77.5°	91.4	92.5	99.0	115.3	145.8	218.7	410.1	836.6	1120.6	1122.7	743.0
80°	76.2	77.2	80.5	89.2	108.8	156.7	301.4	629.9	866.0	867.1	578.8
82.5°	63.1	64.2	67.5	72.9	84.9	116.4	216.5	481.9	656.0	664.7	434.1
85°	53.3	54.4	56.6	60.9	69.6	90.3	156.7	346.0	462.4	459.1	300.3
87.5°	43.5	43.5	46.8	50.0	56.6	72.9	115.3	237.2	313.3	310.1	208.9
90°	32.6	33.7	35.9	40.3	46.8	57.7	83.8	155.6	194.7	194.7	132.7
92.5°	23.9	23.9	27.2	31.5	37.0	46.8	60.9	99.0	116.4	117.5	85.9
95°	17.4	17.4	19.6	21.8	28.3	37.0	44.6	60.9	71.8	69.6	58.7
97.5°	14.1	14.1	15.2	17.4	21.8	29.4	34.8	43.5	47.9	47.9	43.5
100°	12.0	12.0	13.1	13.1	17.4	23.9	28.3	31.5	34.8	35.9	34.8
102.5°	9.8	10.9	10.9	10.9	14.1	20.7	22.8	25.0	27.2	27.2	27.2
105°	8.7	8.7	9.8	9.8	12.0	17.4	19.6	20.7	21.8	21.8	21.8
107.5°	7.6	7.6	8.7	8.7	10.9	15.2	16.3	16.3	17.4	17.4	17.4
110°	7.6	7.6	7.6	7.6	9.8	13.1	13.1	13.1	13.1	13.1	14.1

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
112.5°	6.5	6.5	7.6	7.6	8.7	12.0	12.0	10.9	10.9	10.9	13.1
115°	6.5	6.5	6.5	7.6	8.7	9.8	9.8	9.8	9.8	9.8	10.9
117.5°	6.5	6.5	6.5	7.6	7.6	9.8	8.7	8.7	8.7	8.7	9.8
120°	6.5	6.5	6.5	6.5	7.6	8.7	8.7	7.6	7.6	7.6	8.7
122.5°	6.5	6.5	6.5	6.5	7.6	7.6	7.6	6.5	6.5	6.5	8.7
125°	6.5	6.5	7.6	7.6	7.6	7.6	7.6	6.5	6.5	6.5	7.6
127.5°	7.6	7.6	7.6	7.6	6.5	7.6	6.5	6.5	6.5	6.5	7.6
130°	8.7	8.7	8.7	7.6	6.5	6.5	6.5	6.5	6.5	6.5	7.6
132.5°	8.7	8.7	8.7	7.6	6.5	6.5	5.4	5.4	6.5	6.5	6.5
135°	8.7	8.7	7.6	6.5	6.5	5.4	5.4	5.4	5.4	5.4	6.5
137.5°	7.6	7.6	7.6	6.5	5.4	5.4	4.4	4.4	5.4	5.4	5.4
140°	6.5	6.5	6.5	5.4	4.4	4.4	3.3	3.3	4.4	4.4	4.4
142.5°	5.4	5.4	5.4	4.4	4.4	3.3	3.3	3.3	3.3	3.3	4.4
145°	4.4	4.4	4.4	3.3	3.3	3.3	2.2	2.2	3.3	3.3	3.3
147.5°	3.3	3.3	3.3	3.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2
150°	3.3	3.3	3.3	2.2	2.2	2.2	1.1	2.2	2.2	2.2	2.2
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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	103.4	103.4	103.4	103.4	103.4	103.4	103.4	103.4	103.4	103.4	103.4
2.5°	103.4	102.3	100.1	99.0	96.8	95.7	94.6	93.6	94.6	93.6	93.6
5°	104.4	102.3	97.9	93.6	90.3	88.1	85.9	83.8	83.8	82.7	81.6
7.5°	106.6	103.4	95.7	90.3	83.8	79.4	76.2	74.0	72.9	71.8	71.8
10°	112.1	106.6	96.8	87.0	79.4	72.9	68.5	66.4	64.2	64.2	64.2
12.5°	122.9	116.4	101.2	87.0	76.2	68.5	63.1	60.9	60.9	60.9	60.9
15°	141.4	130.6	111.0	92.5	77.2	66.4	63.1	64.2	66.4	68.5	67.5
17.5°	164.3	151.2	124.0	100.1	81.6	71.8	69.6	72.9	76.2	78.3	79.4
20°	192.6	173.0	138.2	107.7	89.2	82.7	80.5	83.8	88.1	91.4	91.4
22.5°	229.6	203.4	156.7	118.6	100.1	93.6	91.4	94.6	100.1	103.4	103.4
25°	276.3	240.4	179.5	132.7	112.1	102.3	102.3	106.6	114.2	118.6	119.7
27.5°	328.6	279.6	200.2	150.1	125.1	112.1	113.1	121.8	130.6	137.1	137.1
30°	385.1	326.4	224.1	165.4	134.9	121.8	122.9	133.8	145.8	154.5	153.4
32.5°	452.6	375.3	249.1	180.6	144.7	129.5	132.7	149.0	163.2	174.1	173.0
35°	521.1	417.8	265.5	194.7	153.4	136.0	141.4	162.1	178.4	188.2	188.2
37.5°	574.4	452.6	275.2	202.4	161.0	141.4	148.0	170.8	188.2	196.9	195.8
40°	592.9	452.6	267.6	203.4	164.3	145.8	153.4	175.2	190.4	195.8	192.6
42.5°	621.2	461.3	256.7	196.9	165.4	149.0	155.6	175.2	184.9	186.0	183.9
45°	661.5	475.4	249.1	192.6	163.2	150.1	155.6	171.9	183.9	187.1	184.9
47.5°	712.6	489.6	240.4	190.4	163.2	150.1	155.6	175.2	187.1	187.1	184.9
50°	777.9	512.4	236.1	191.5	166.5	151.2	158.8	179.5	190.4	188.2	187.1
52.5°	827.9	517.8	228.5	194.7	169.7	153.4	162.1	183.9	193.6	189.3	188.2
55°	893.2	530.9	219.8	194.7	175.2	158.8	166.5	188.2	195.8	190.4	189.3
57.5°	960.6	545.0	218.7	193.6	177.3	163.2	170.8	191.5	198.0	193.6	192.6
60°	979.1	528.7	212.1	196.9	178.4	167.5	174.1	194.7	204.5	202.4	202.4
62.5°	994.4	515.7	204.5	195.8	181.7	167.5	177.3	200.2	215.4	215.4	215.4
65°	983.5	490.7	195.8	191.5	180.6	168.6	181.7	206.7	221.9	226.3	227.4
67.5°	937.8	455.8	187.1	184.9	175.2	168.6	182.8	206.7	225.2	231.7	231.7
70°	839.9	398.2	171.9	171.9	167.5	162.1	179.5	203.4	218.7	226.3	226.3
72.5°	703.9	329.6	149.0	154.5	153.4	152.3	170.8	192.6	202.4	208.9	207.8
75°	560.3	265.5	129.5	131.6	133.8	137.1	156.7	174.1	177.3	182.8	181.7
77.5°	439.5	212.1	109.9	112.1	114.2	121.8	140.3	151.2	153.4	156.7	155.6
80°	343.8	174.1	94.6	94.6	97.9	105.5	120.8	130.6	134.9	137.1	133.8
82.5°	267.6	142.5	83.8	80.5	83.8	90.3	102.3	111.0	114.2	114.2	113.1
85°	190.4	114.2	74.0	69.6	70.7	77.2	88.1	93.6	95.7	94.6	92.5
87.5°	139.3	93.6	65.3	58.7	59.8	68.5	76.2	79.4	80.5	81.6	79.4
90°	97.9	75.1	56.6	49.0	49.0	57.7	65.3	66.4	67.5	67.5	66.4
92.5°	69.6	58.7	46.8	40.3	40.3	47.9	53.3	52.2	53.3	52.2	50.0
95°	51.1	45.7	39.2	32.6	31.5	37.0	39.2	38.1	39.2	38.1	38.1
97.5°	40.3	37.0	32.6	27.2	25.0	28.3	29.4	29.4	31.5	29.4	29.4
100°	32.6	30.5	28.3	22.8	20.7	22.8	23.9	25.0	26.1	25.0	25.0
102.5°	27.2	26.1	23.9	20.7	18.5	19.6	20.7	21.8	22.8	22.8	21.8
105°	21.8	21.8	20.7	17.4	16.3	16.3	17.4	18.5	20.7	20.7	20.7
107.5°	17.4	18.5	17.4	15.2	14.1	14.1	15.2	16.3	17.4	18.5	18.5
110°	15.2	15.2	15.2	13.1	13.1	13.1	13.1	14.1	16.3	17.4	17.4

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CATALOG NUMBER: LXF.LXT-PA16-30-727-U-T2R-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	13.1	13.1	13.1	12.0	12.0	12.0	12.0	12.0	14.1	15.2	16.3
115°	12.0	12.0	12.0	10.9	10.9	10.9	10.9	10.9	13.1	14.1	14.1
117.5°	10.9	10.9	10.9	9.8	9.8	9.8	9.8	9.8	10.9	13.1	13.1
120°	9.8	9.8	9.8	8.7	8.7	8.7	8.7	8.7	9.8	12.0	12.0
122.5°	8.7	8.7	8.7	8.7	7.6	7.6	7.6	7.6	8.7	10.9	10.9
125°	7.6	8.7	7.6	7.6	7.6	7.6	6.5	7.6	8.7	9.8	9.8
127.5°	7.6	7.6	7.6	7.6	6.5	6.5	6.5	6.5	7.6	8.7	8.7
130°	7.6	7.6	7.6	6.5	6.5	5.4	5.4	6.5	6.5	7.6	7.6
132.5°	6.5	6.5	6.5	6.5	5.4	5.4	5.4	5.4	6.5	6.5	6.5
135°	6.5	6.5	5.4	5.4	5.4	4.4	4.4	4.4	5.4	6.5	6.5
137.5°	5.4	5.4	5.4	5.4	4.4	4.4	4.4	4.4	5.4	5.4	5.4
140°	4.4	4.4	4.4	4.4	4.4	3.3	3.3	3.3	4.4	4.4	4.4
142.5°	4.4	4.4	4.4	3.3	3.3	3.3	3.3	3.3	4.4	4.4	4.4
145°	3.3	3.3	3.3	3.3	2.2	2.2	2.2	3.3	3.3	3.3	3.3
147.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3.3	3.3	3.3
150°	2.2	2.2	2.2	2.2	1.1	1.1	1.1	2.2	2.2	2.2	2.2
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)