

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: P694811

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

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P694811  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-17)  
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-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3262 lumens  
Efficiency: N/A  
Efficacy: 111.7 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 - U3 - G2

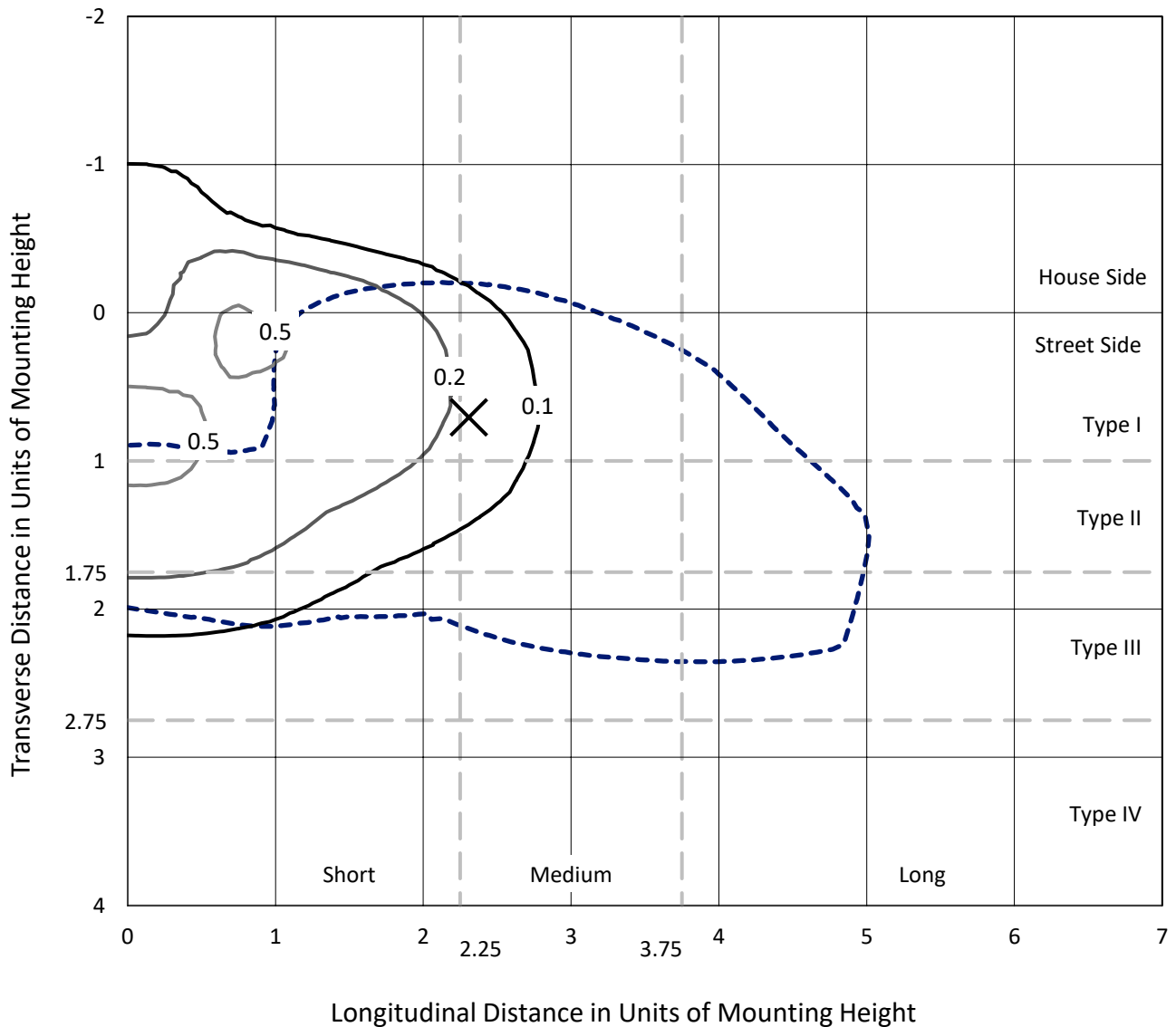
Input Watts (W): 29.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

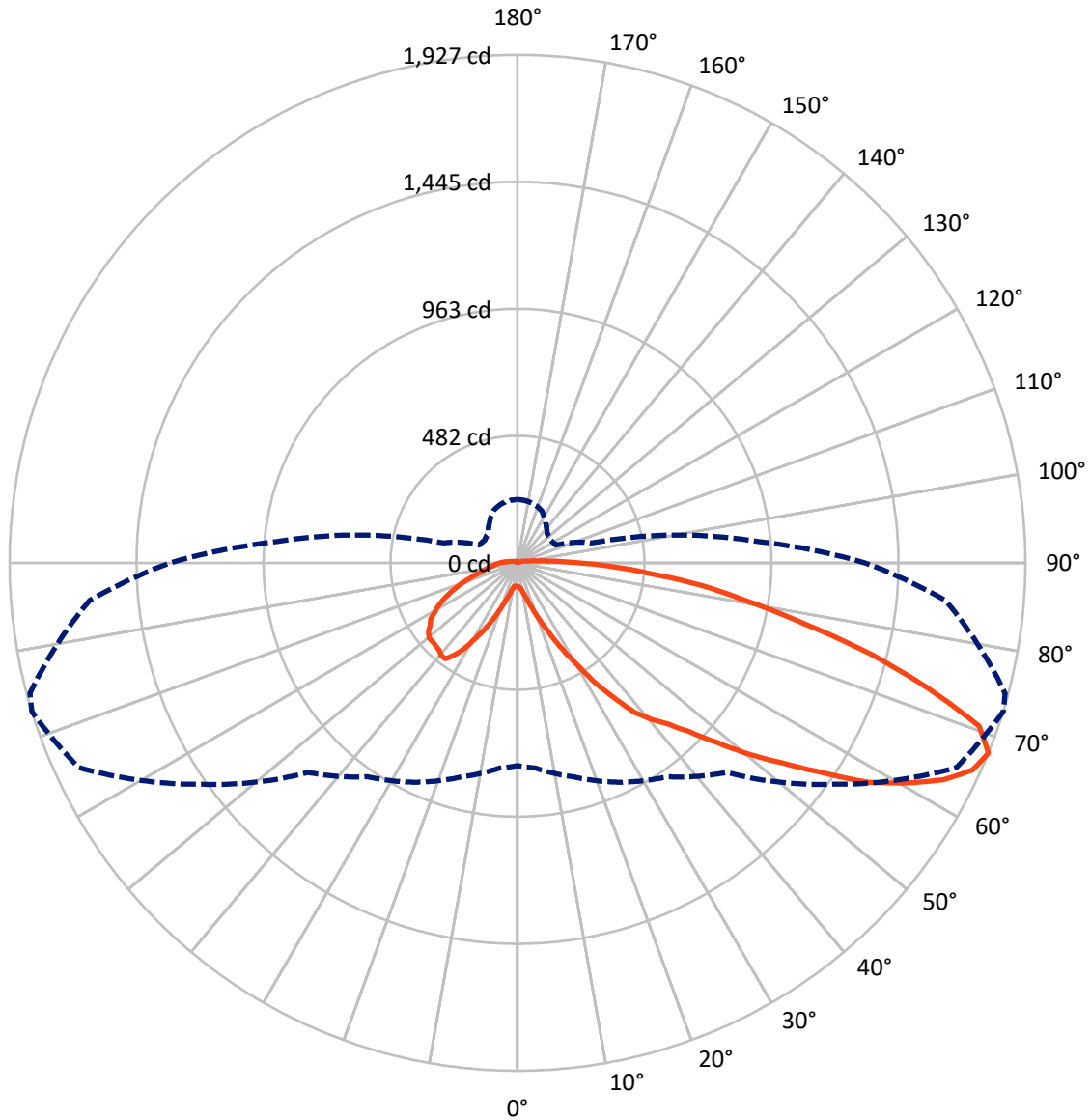
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 73-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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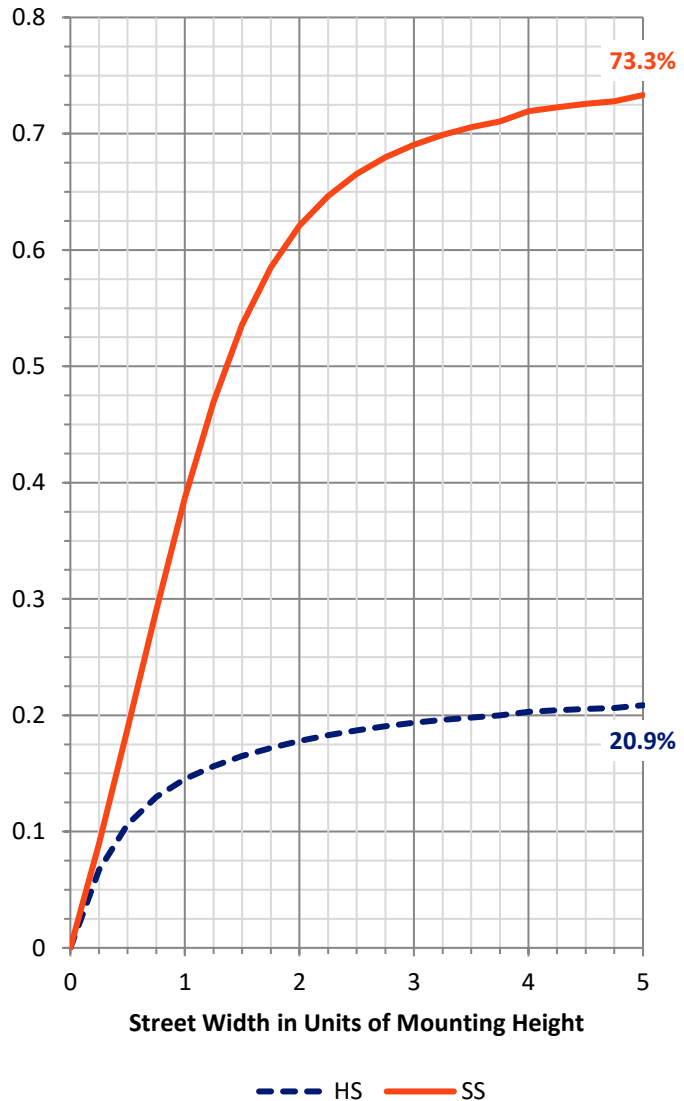
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	713.8	53.3	767.2
	% Fixture	21.9	1.6	23.5
<b>Street Side</b>	Lumens	2440.2	54.6	2494.8
	% Fixture	74.8	1.7	76.5
<b>Total</b>	Lumens	3154.0	108.0	3262.0
	% Fixture	96.7	3.3	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	9.2	0.3
10°-20°	40.1	1.2
20°-30°	123.4	3.8
30°-40°	284.1	8.7
40°-50°	460.3	14.1
50°-60°	682.9	20.9
60°-70°	795.1	24.4
70°-80°	546.2	16.7
80°-90°	212.8	6.5
90°-100°	60.4	1.9
100°-110°	22.1	0.7
110°-120°	11.4	0.3
120°-130°	7.1	0.2
130°-140°	4.7	0.1
140°-150°	2.2	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3154.0	96.7
0°-180°	3262.0	100.0

**Coefficient of Utilization**

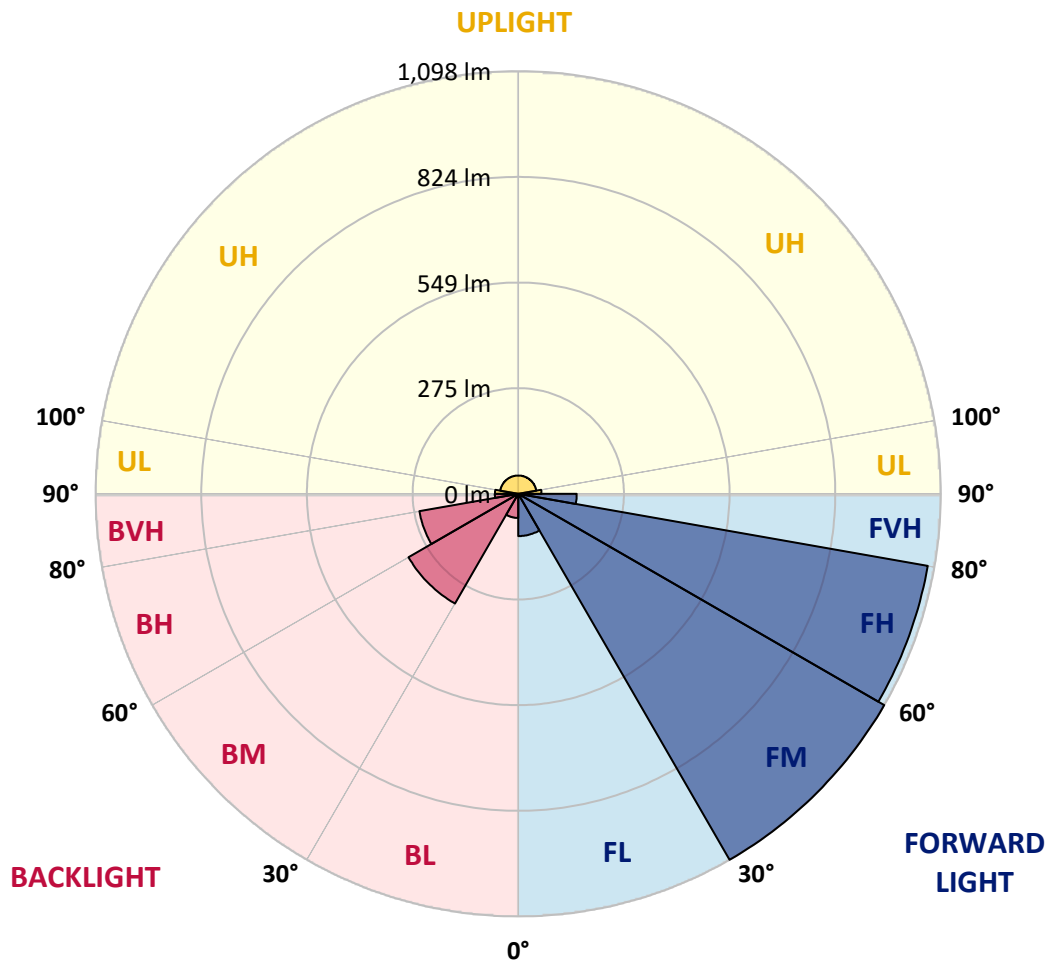


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	109.8	3.4			
FM (30°-60°)	1098.1	33.7			
FH (60°-80°)	1080.5	33.1			G1/1800
FVH (80°-90°)	151.8	4.7			G2/225
BL (0°-30°)	62.8	1.9	B0/110		
BM (30°-60°)	329.2	10.1	B1/1000		
BH (60°-80°)	260.9	8.0	B1/500		G1/500
BVH (80°-90°)	61.0	1.9			G1/100
UL (90°-100°)	60.4	1.9		U3/500	
UH (100°-180°)	47.6	1.5		U2/50	

**BUG Rating: B1-U3-G2**  
 Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
0°	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
2.5°	94.6	95.7	95.7	95.7	95.7	94.6	93.4	92.2	92.2	91.0	89.8
5°	106.4	106.4	105.2	105.2	104.0	102.8	100.5	98.1	95.7	95.7	93.4
7.5°	117.0	118.2	118.2	115.8	114.7	112.3	108.7	105.2	102.8	101.7	98.1
10°	133.6	134.8	133.6	131.2	128.8	125.3	120.6	117.0	113.5	111.1	107.6
12.5°	156.0	156.0	154.8	150.1	145.4	141.8	137.1	133.6	128.8	128.8	124.1
15°	183.2	184.4	180.8	177.3	170.2	164.3	158.4	156.0	153.7	153.7	147.8
17.5°	217.5	218.7	213.9	204.5	196.2	191.5	187.9	184.4	182.0	182.0	176.1
20°	268.3	261.2	260.0	240.0	230.5	223.4	221.0	218.7	219.9	217.5	213.9
22.5°	325.1	320.3	313.2	289.6	271.9	261.2	257.7	258.9	262.4	262.4	261.2
25°	392.4	393.6	375.9	346.3	319.1	303.8	302.6	314.4	318.0	320.3	319.1
27.5°	469.3	474.0	445.6	413.7	375.9	349.9	352.2	372.3	384.2	385.3	384.2
30°	568.6	570.9	535.5	485.8	432.6	403.1	410.2	438.5	451.5	456.3	458.6
32.5°	682.0	682.0	641.8	576.8	497.6	456.3	463.4	513.0	543.7	542.5	549.6
35°	790.8	782.5	748.2	665.5	569.7	513.0	530.7	587.5	625.3	632.4	628.8
37.5°	866.4	872.3	840.4	760.0	643.0	572.1	596.9	669.0	718.7	718.7	709.2
40°	916.1	923.2	893.6	825.1	715.1	637.1	664.3	742.3	780.1	782.5	748.2
42.5°	969.3	975.2	955.1	884.2	775.4	698.6	723.4	797.9	835.7	834.5	799.0
45°	1028.4	1036.6	1027.2	955.1	835.7	756.5	777.8	864.1	913.7	922.0	875.9
47.5°	1100.5	1106.4	1095.7	1024.8	903.1	815.6	848.7	953.9	1018.9	1020.1	966.9
50°	1140.7	1152.5	1169.0	1113.5	979.9	881.8	932.6	1067.4	1143.0	1157.2	1086.3
52.5°	1165.5	1178.5	1205.7	1193.8	1076.8	969.3	1044.9	1197.4	1262.4	1282.5	1179.7
55°	1206.8	1221.0	1250.6	1234.0	1152.5	1069.7	1150.1	1329.8	1405.4	1414.9	1323.9
57.5°	1148.9	1163.1	1243.5	1275.4	1204.5	1157.2	1262.4	1477.5	1570.9	1585.1	1458.6
60°	1096.9	1106.4	1159.6	1250.6	1235.2	1219.8	1383.0	1619.4	1696.2	1700.9	1539.0
62.5°	1000.0	1021.3	1082.7	1157.2	1198.6	1242.3	1470.4	1731.7	1812.0	1820.3	1618.2
65°	865.2	880.6	949.2	1055.5	1105.2	1205.7	1507.1	1822.7	1896.0	1891.2	1657.2
67.5°	769.5	781.3	841.6	918.4	990.5	1124.1	1464.5	1836.9	1926.7	1914.9	1628.8
70°	604.0	618.2	686.8	807.3	864.1	996.4	1364.1	1780.1	1858.1	1847.5	1500.0
72.5°	481.1	494.1	559.1	660.8	756.5	862.9	1230.5	1599.3	1630.0	1602.8	1263.6
75°	352.2	370.0	413.7	505.9	620.6	745.9	1036.6	1359.3	1384.2	1358.1	1026.0
77.5°	243.5	244.7	283.7	371.2	470.4	628.8	860.5	1128.8	1112.3	1085.1	784.9
80°	156.0	158.4	183.2	240.0	341.6	475.2	695.0	899.5	884.2	872.3	601.7
82.5°	100.5	96.9	118.2	157.2	231.7	345.2	540.2	721.0	704.5	676.1	455.1
85°	63.8	66.2	78.0	102.8	158.4	251.8	403.1	516.5	495.3	469.3	310.9
87.5°	48.5	49.6	56.7	73.3	107.6	177.3	275.4	359.3	345.2	320.3	209.2
90°	36.6	37.8	42.6	53.2	74.5	120.6	183.2	225.8	209.2	196.2	134.8
92.5°	26.0	27.2	31.9	40.2	55.6	83.9	118.2	132.4	122.9	118.2	87.5
95°	18.9	20.1	23.6	29.6	41.4	57.9	74.5	80.4	74.5	72.1	61.5
97.5°	15.4	16.5	17.7	22.5	31.9	42.6	50.8	52.0	50.8	48.5	46.1
100°	13.0	13.0	15.4	17.7	24.8	34.3	37.8	37.8	37.8	37.8	35.5
102.5°	10.6	10.6	13.0	15.4	20.1	27.2	29.6	29.6	28.4	29.6	28.4
105°	9.5	9.5	10.6	13.0	17.7	22.5	23.6	22.5	22.5	22.5	22.5
107.5°	8.3	8.3	9.5	11.8	15.4	18.9	20.1	18.9	17.7	17.7	18.9
110°	7.1	7.1	8.3	9.5	13.0	16.5	16.5	14.2	14.2	14.2	15.4

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
112.5°	7.1	7.1	8.3	9.5	11.8	14.2	13.0	11.8	11.8	11.8	13.0
115°	7.1	7.1	7.1	8.3	10.6	11.8	11.8	10.6	9.5	10.6	11.8
117.5°	7.1	7.1	7.1	8.3	9.5	10.6	10.6	9.5	8.3	9.5	10.6
120°	7.1	7.1	7.1	8.3	9.5	9.5	9.5	8.3	8.3	8.3	9.5
122.5°	5.9	5.9	7.1	7.1	8.3	8.3	8.3	7.1	7.1	7.1	9.5
125°	5.9	5.9	7.1	7.1	8.3	8.3	7.1	7.1	7.1	7.1	8.3
127.5°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	5.9	7.1	7.1	8.3
130°	7.1	7.1	7.1	7.1	7.1	7.1	5.9	5.9	7.1	7.1	8.3
132.5°	7.1	7.1	7.1	7.1	7.1	5.9	5.9	5.9	5.9	7.1	7.1
135°	7.1	7.1	7.1	7.1	5.9	5.9	4.7	5.9	5.9	5.9	7.1
137.5°	5.9	5.9	5.9	5.9	5.9	4.7	4.7	4.7	4.7	5.9	5.9
140°	5.9	4.7	4.7	4.7	4.7	4.7	3.5	3.5	4.7	4.7	5.9
142.5°	4.7	4.7	4.7	4.7	3.5	3.5	3.5	3.5	3.5	4.7	4.7
145°	3.5	3.5	3.5	3.5	3.5	2.4	2.4	2.4	3.5	3.5	3.5
147.5°	3.5	2.4	3.5	2.4	2.4	2.4	2.4	2.4	2.4	2.4	3.5
150°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
2.5°	89.8	88.7	88.7	87.5	86.3	86.3	85.1	85.1	85.1	85.1	83.9
5°	92.2	91.0	88.7	86.3	83.9	82.7	81.6	80.4	79.2	79.2	79.2
7.5°	95.7	94.6	91.0	87.5	83.9	80.4	78.0	76.8	75.6	74.5	74.5
10°	105.2	101.7	95.7	89.8	85.1	80.4	76.8	74.5	73.3	72.1	72.1
12.5°	118.2	117.0	107.6	98.1	89.8	82.7	78.0	76.8	75.6	75.6	74.5
15°	143.0	138.3	127.7	112.3	99.3	88.7	85.1	83.9	86.3	86.3	87.5
17.5°	170.2	164.3	150.1	131.2	113.5	101.7	96.9	98.1	100.5	102.8	102.8
20°	205.7	199.8	180.8	153.7	132.4	118.2	112.3	112.3	117.0	120.6	120.6
22.5°	254.1	243.5	216.3	179.7	151.3	134.8	126.5	125.3	131.2	134.8	134.8
25°	310.9	295.5	260.0	211.6	171.4	147.8	138.3	139.5	146.6	152.5	152.5
27.5°	370.0	353.4	303.8	241.1	190.3	157.2	148.9	153.7	163.1	169.0	170.2
30°	442.1	419.6	349.9	270.7	204.5	165.5	157.2	164.3	176.1	184.4	185.6
32.5°	523.6	495.3	407.8	300.2	215.1	170.2	161.9	176.1	190.3	202.1	202.1
35°	601.7	563.8	450.4	322.7	221.0	171.4	166.7	184.4	200.9	211.6	211.6
37.5°	671.4	622.9	485.8	334.5	221.0	171.4	167.8	187.9	203.3	210.4	209.2
40°	698.6	640.7	487.0	328.6	217.5	169.0	166.7	185.6	197.4	199.8	197.4
42.5°	739.9	669.0	478.7	308.5	205.7	165.5	163.1	177.3	184.4	184.4	182.0
45°	803.8	712.8	479.9	288.4	192.7	158.4	157.2	170.2	178.5	180.8	178.5
47.5°	881.8	767.1	481.1	270.7	180.8	152.5	153.7	169.0	177.3	174.9	173.8
50°	984.6	839.2	487.0	254.1	173.8	147.8	153.7	170.2	176.1	171.4	169.0
52.5°	1060.3	881.8	476.4	238.8	169.0	146.6	156.0	172.6	176.1	169.0	169.0
55°	1171.4	940.9	453.9	218.7	164.3	147.8	158.4	174.9	176.1	170.2	169.0
57.5°	1269.5	994.1	440.9	200.9	159.6	150.1	161.9	178.5	180.8	177.3	176.1
60°	1314.4	1007.1	406.6	189.1	156.0	152.5	166.7	184.4	192.7	190.3	191.5
62.5°	1368.8	1009.4	373.5	178.5	154.8	154.8	172.6	196.2	206.9	206.9	208.0
65°	1365.2	978.7	334.5	169.0	153.7	157.2	179.7	206.9	219.9	223.4	224.6
67.5°	1318.0	918.4	292.0	159.6	151.3	158.4	185.6	217.5	232.9	238.8	240.0
70°	1171.4	806.1	249.4	151.3	146.6	156.0	186.8	223.4	238.8	244.7	245.9
72.5°	961.0	639.5	203.3	139.5	138.3	148.9	182.0	219.9	231.7	234.0	236.4
75°	767.1	507.1	169.0	126.5	126.5	137.1	169.0	202.1	210.4	212.8	209.2
77.5°	574.5	384.2	140.7	114.7	114.7	125.3	152.5	178.5	185.6	184.4	185.6
80°	435.0	290.8	119.4	102.8	102.8	111.1	135.9	158.4	164.3	161.9	160.8
82.5°	326.2	217.5	104.0	92.2	92.2	99.3	118.2	137.1	141.8	141.8	138.3
85°	223.4	156.0	91.0	81.6	81.6	87.5	101.7	115.8	122.9	121.7	119.4
87.5°	156.0	118.2	80.4	73.3	72.1	76.8	87.5	100.5	108.7	109.9	107.6
90°	107.6	88.7	69.7	62.6	62.6	66.2	75.6	86.3	94.6	95.7	93.4
92.5°	75.6	67.4	57.9	53.2	52.0	56.7	62.6	69.7	74.5	74.5	75.6
95°	55.6	52.0	46.1	41.4	41.4	46.1	49.6	50.8	54.4	54.4	53.2
97.5°	42.6	41.4	37.8	33.1	31.9	36.6	37.8	39.0	41.4	40.2	39.0
100°	35.5	34.3	30.7	27.2	26.0	29.6	30.7	31.9	34.3	31.9	31.9
102.5°	28.4	28.4	26.0	22.5	22.5	24.8	26.0	27.2	28.4	27.2	26.0
105°	23.6	23.6	22.5	20.1	18.9	21.3	22.5	22.5	23.6	22.5	22.5
107.5°	18.9	20.1	18.9	16.5	16.5	17.7	18.9	18.9	18.9	18.9	18.9
110°	16.5	16.5	16.5	14.2	15.4	16.5	16.5	16.5	16.5	16.5	16.5

REPORT NUMBER: P694811  
 CATALOG NUMBER: LXF.LXT-PA16-30-730-U-T3-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	14.2	14.2	14.2	13.0	13.0	14.2	14.2	14.2	14.2	14.2	14.2
115°	13.0	13.0	13.0	11.8	11.8	13.0	11.8	11.8	11.8	13.0	13.0
117.5°	11.8	11.8	11.8	10.6	10.6	10.6	10.6	10.6	10.6	11.8	11.8
120°	10.6	10.6	10.6	9.5	9.5	9.5	9.5	9.5	9.5	10.6	10.6
122.5°	9.5	9.5	9.5	9.5	8.3	9.5	8.3	8.3	8.3	9.5	9.5
125°	8.3	9.5	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	9.5
127.5°	8.3	8.3	8.3	8.3	7.1	7.1	7.1	7.1	7.1	8.3	8.3
130°	8.3	8.3	8.3	7.1	7.1	7.1	5.9	5.9	7.1	7.1	8.3
132.5°	8.3	8.3	7.1	7.1	5.9	5.9	5.9	5.9	7.1	7.1	7.1
135°	7.1	7.1	7.1	5.9	5.9	5.9	4.7	5.9	5.9	7.1	7.1
137.5°	5.9	5.9	5.9	5.9	4.7	4.7	4.7	4.7	5.9	5.9	5.9
140°	5.9	5.9	4.7	4.7	4.7	3.5	3.5	4.7	4.7	5.9	5.9
142.5°	4.7	4.7	4.7	3.5	3.5	3.5	3.5	3.5	4.7	4.7	4.7
145°	3.5	3.5	3.5	3.5	2.4	2.4	3.5	3.5	3.5	4.7	4.7
147.5°	3.5	3.5	3.5	2.4	2.4	2.4	2.4	3.5	3.5	3.5	3.5
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)