

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: P694947

Luminaire Tested: **LXF.LXT-PA16-30-827-U-SL3-CL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P694947  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-28)  
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-SL3-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2664.1 lumens  
Efficiency: N/A  
Efficacy: 91.2 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U2 - G2

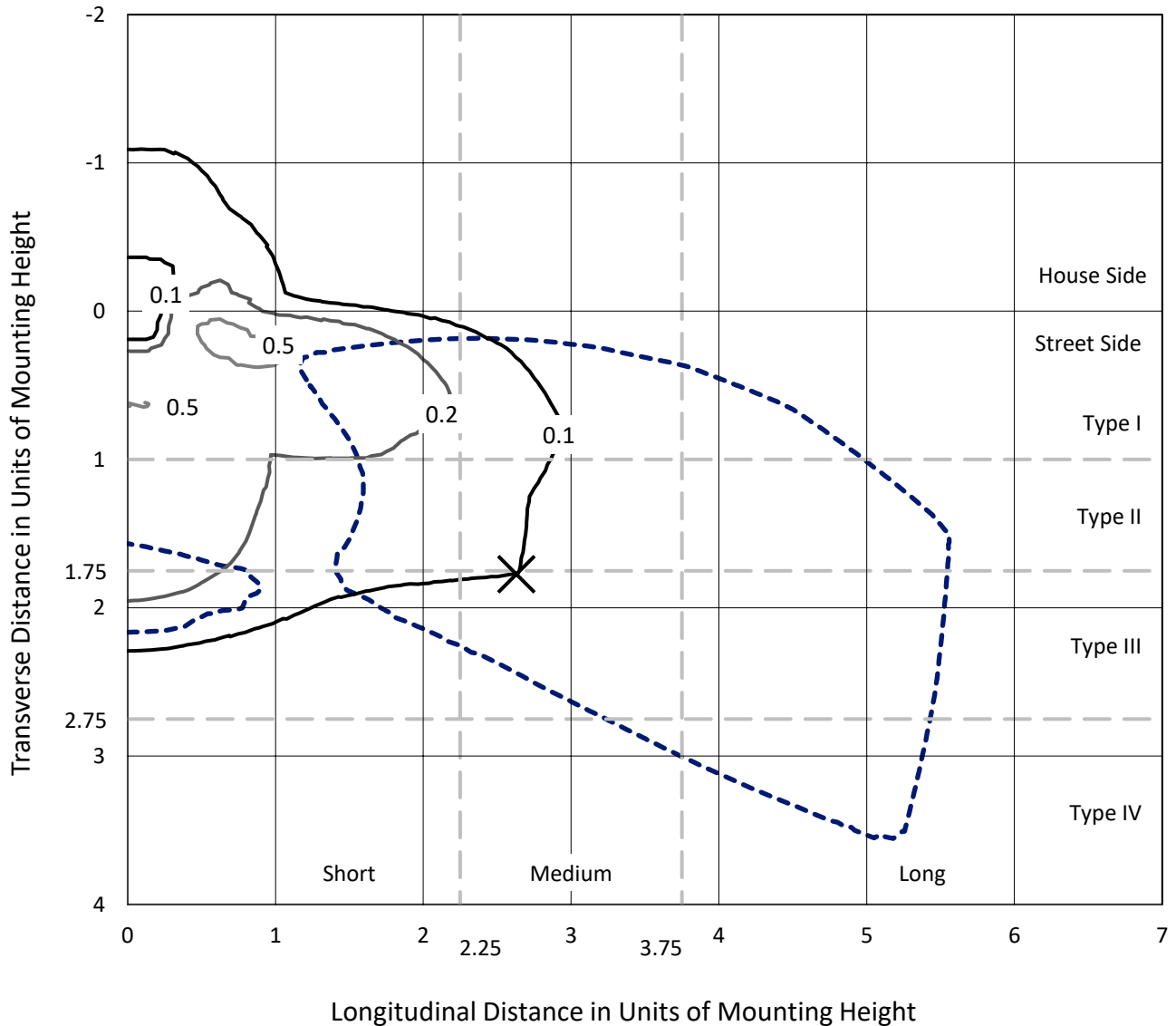
Input Watts (W): 29.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

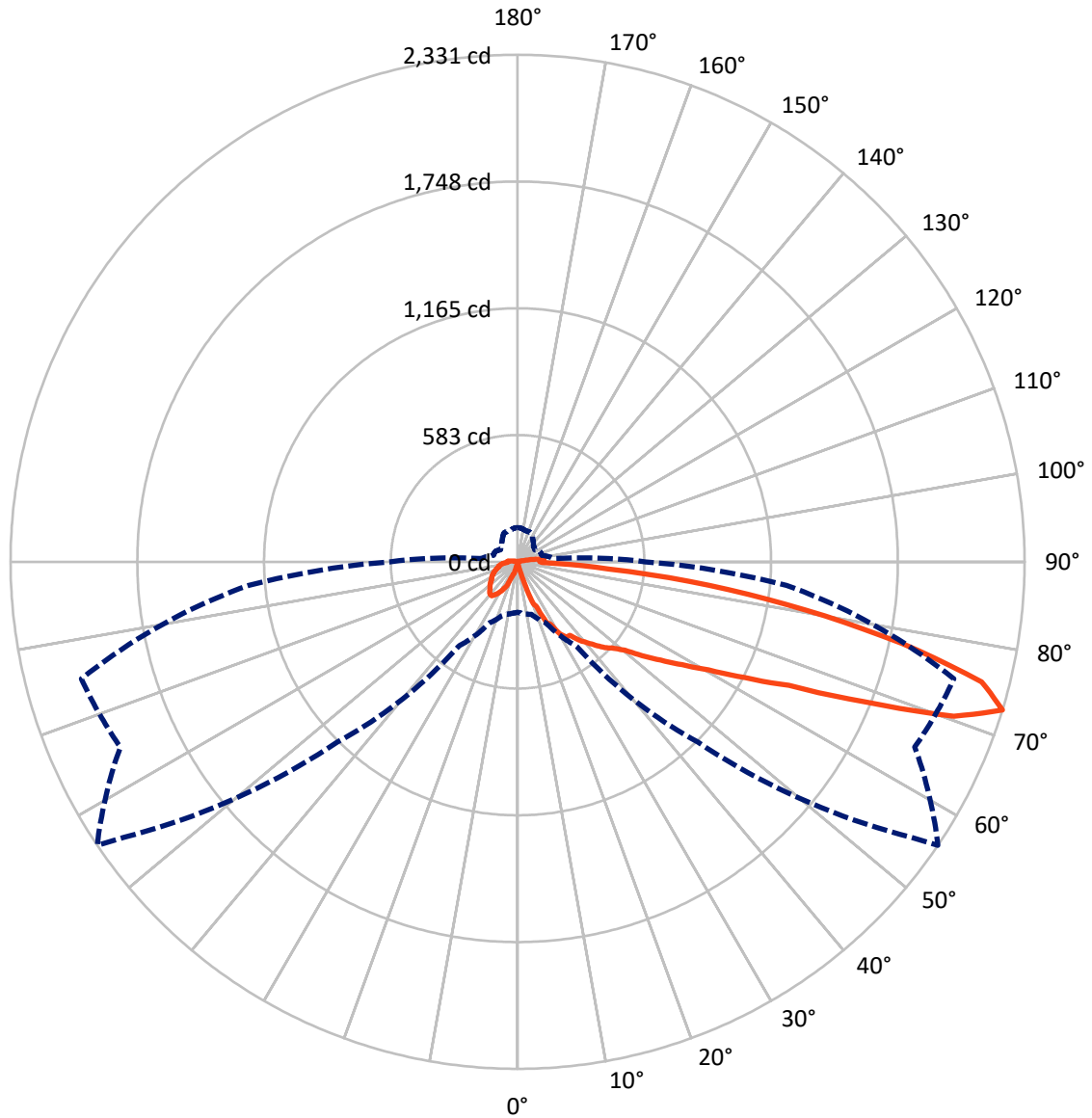
✕ Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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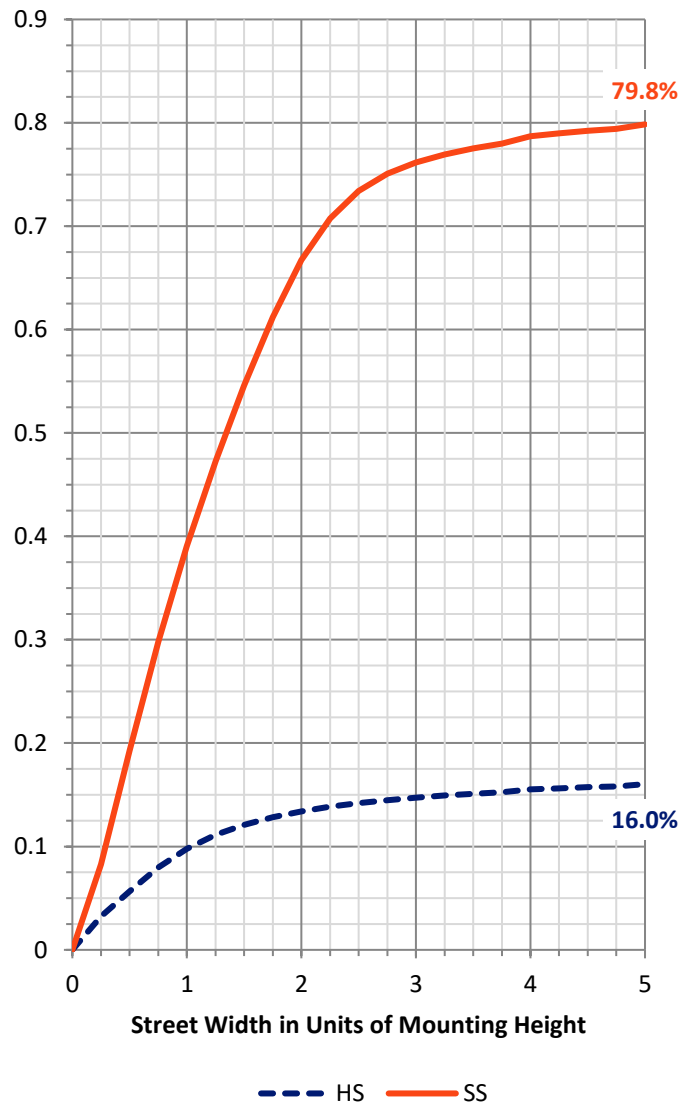
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	455.1	28.9	483.9
	% Fixture	17.1	1.1	18.2
<b>Street Side</b>	Lumens	2149.7	30.4	2180.1
	% Fixture	80.7	1.1	81.8
<b>Total</b>	Lumens	2604.8	59.3	2664.1
	% Fixture	97.8	2.2	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.4	0.0
10°-20°	21.9	0.8
20°-30°	103.0	3.9
30°-40°	226.7	8.5
40°-50°	340.0	12.8
50°-60°	500.7	18.8
60°-70°	695.2	26.1
70°-80°	560.1	21.0
80°-90°	156.9	5.9
90°-100°	42.3	1.6
100°-110°	8.2	0.3
110°-120°	3.2	0.1
120°-130°	2.5	0.1
130°-140°	1.7	0.1
140°-150°	1.3	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2604.8	97.8
0°-180°	2664.1	100.0

**Coefficient of Utilization**

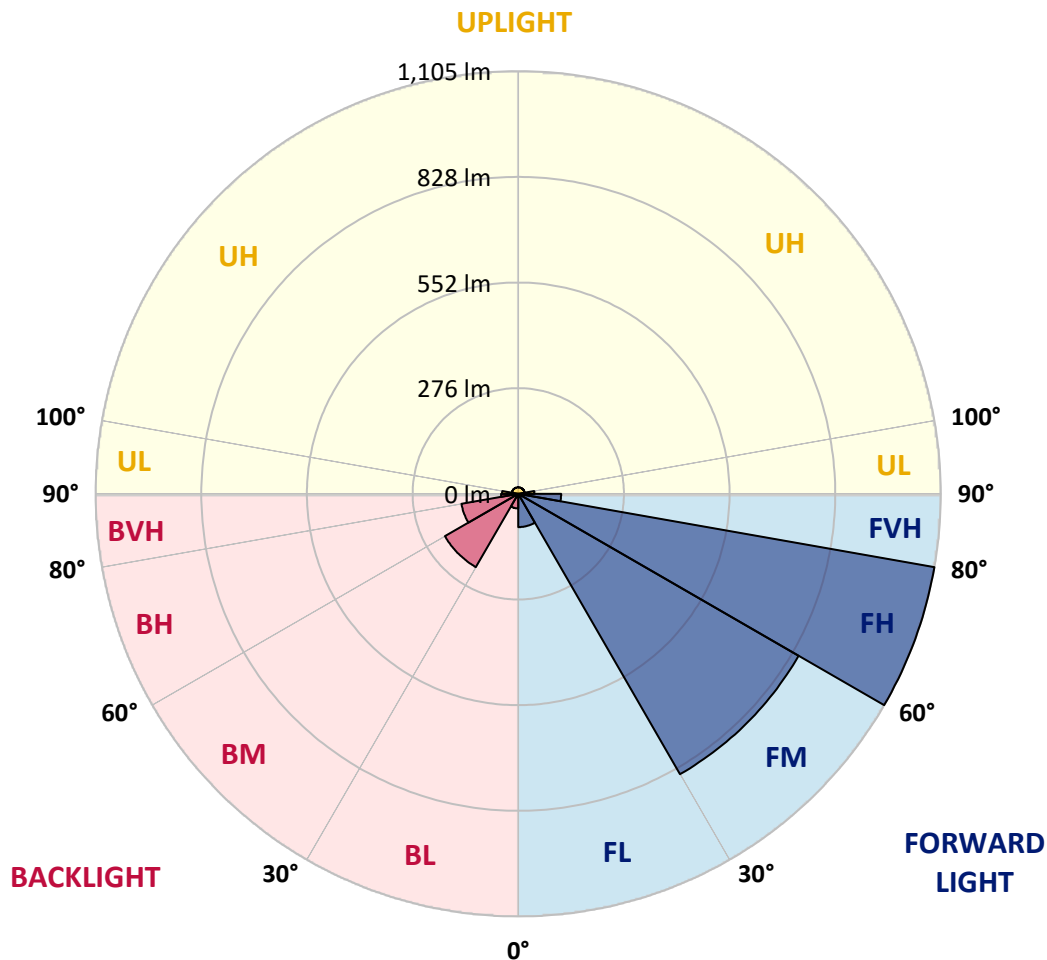


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	87.0	3.3			
FM (30°-60°)	846.1	31.8			
FH (60°-80°)	1104.6	41.5			G1/1800
FVH (80°-90°)	112.0	4.2			G2/225
BL (0°-30°)	38.2	1.4	B0/110		
BM (30°-60°)	221.2	8.3	B1/1000		
BH (60°-80°)	150.7	5.7	B1/500		G1/500
BVH (80°-90°)	44.9	1.7			G1/100
UL (90°-100°)	42.3	1.6		U2/50	
UH (100°-180°)	17.0	0.6		U2/50	

**BUG Rating: B1-U2-G2**  
 Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
2.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
5°	2.9	2.9	2.9	2.9	3.9	3.9	2.9	2.9	2.9	2.9	2.9
7.5°	4.9	4.9	3.9	3.9	3.9	3.9	3.9	3.9	2.9	2.9	2.9
10°	28.3	27.3	24.4	16.6	9.8	4.9	3.9	3.9	3.9	3.9	4.9
12.5°	123.9	122.9	123.9	116.1	31.2	16.6	7.8	7.8	11.7	15.6	20.5
15°	130.7	131.7	131.7	127.8	127.8	54.6	30.2	41.9	120.0	130.7	127.8
17.5°	171.7	165.8	142.4	136.6	139.5	138.5	120.0	120.0	139.5	147.3	145.3
20°	201.9	201.9	202.9	201.0	149.3	191.2	205.8	206.8	164.9	228.3	246.8
22.5°	226.3	228.3	218.5	210.7	227.3	198.0	223.4	223.4	279.0	313.1	300.5
25°	314.1	313.1	295.6	236.1	236.1	240.0	303.4	309.2	349.2	348.3	334.6
27.5°	361.9	361.9	342.4	307.3	261.4	274.1	312.2	325.8	396.1	503.4	455.6
30°	488.7	490.7	447.8	366.8	316.1	291.7	361.9	386.3	496.5	528.7	473.1
32.5°	525.8	526.8	529.7	469.2	365.8	323.9	395.1	412.6	532.6	669.2	596.0
35°	536.5	538.5	538.5	495.6	458.5	376.5	401.9	414.6	634.1	705.3	597.0
37.5°	571.6	570.7	562.9	513.1	494.6	416.5	443.9	456.5	676.0	758.9	594.1
40°	621.4	621.4	608.7	547.3	509.2	457.5	473.1	486.8	724.8	822.3	596.0
42.5°	678.9	674.1	659.4	586.3	532.6	482.9	512.1	523.8	775.5	902.3	599.0
45°	748.2	743.3	714.1	640.9	573.6	493.6	540.4	562.9	833.1	987.2	616.5
47.5°	814.5	812.6	779.4	695.5	614.6	509.2	561.9	593.1	902.3	1095.5	650.7
50°	896.5	886.7	843.8	749.2	651.6	539.5	617.5	638.0	975.5	1199.9	702.4
52.5°	970.6	953.1	908.2	803.8	696.5	581.4	702.4	716.0	1059.4	1309.1	761.9
55°	1042.8	1017.4	956.0	860.4	739.4	630.2	794.1	797.0	1155.0	1421.3	835.0
57.5°	1151.1	1124.8	1036.0	913.1	796.0	692.6	882.8	892.6	1249.6	1547.1	920.9
60°	1301.3	1282.8	1175.5	1037.9	896.5	775.5	989.2	1008.7	1343.3	1673.0	1005.7
62.5°	1358.9	1337.4	1256.4	1160.8	1039.9	924.8	1120.9	1173.5	1428.1	1799.8	1104.3
65°	1202.8	1202.8	1159.9	1165.7	1129.6	1163.8	1308.1	1369.6	1527.6	1900.3	1189.1
67.5°	782.4	786.3	813.6	929.7	1058.4	1356.9	1631.0	1715.9	1678.8	2008.6	1260.3
70°	355.1	368.7	428.2	589.2	805.8	1368.6	2002.7	2126.6	1854.4	2082.7	1285.7
72.5°	232.2	237.0	250.7	311.2	474.1	1172.6	2208.5	2330.5	2014.4	2075.9	1239.9
75°	194.1	191.2	199.0	220.5	239.0	804.8	2101.2	2202.7	1993.9	1953.0	1128.7
77.5°	161.0	158.0	165.8	177.5	141.4	441.9	1747.1	1805.7	1724.7	1669.1	920.9
80°	123.9	123.9	127.8	143.4	103.4	214.6	1298.4	1342.3	1276.9	1192.1	551.2
82.5°	84.9	83.9	92.7	110.2	82.9	123.9	886.7	887.7	762.8	580.4	259.5
85°	38.0	38.0	45.8	63.4	48.8	77.1	404.8	419.5	259.5	185.3	116.1
87.5°	12.7	12.7	13.7	15.6	16.6	36.1	113.2	115.1	100.5	114.1	85.8
90°	11.7	11.7	11.7	11.7	12.7	35.1	101.5	101.5	89.7	106.3	85.8
92.5°	11.7	11.7	10.7	9.8	10.7	32.2	112.2	121.0	98.5	111.2	89.7
95°	11.7	11.7	9.8	8.8	9.8	23.4	112.2	120.0	103.4	96.6	81.0
97.5°	7.8	7.8	6.8	6.8	7.8	13.7	81.9	84.9	66.3	48.8	48.8
100°	6.8	6.8	4.9	4.9	5.9	7.8	43.9	46.8	32.2	15.6	15.6
102.5°	6.8	6.8	3.9	3.9	3.9	4.9	12.7	13.7	11.7	6.8	7.8
105°	7.8	7.8	3.9	2.9	2.9	3.9	5.9	5.9	6.8	5.9	7.8
107.5°	6.8	6.8	2.9	2.9	2.9	2.9	2.9	2.9	3.9	5.9	7.8
110°	4.9	3.9	2.9	2.9	2.0	2.9	2.9	2.9	2.9	4.9	6.8

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
112.5°	2.9	2.9	2.0	2.0	2.0	2.9	2.0	2.0	2.9	3.9	5.9
115°	2.9	2.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.9	4.9
117.5°	2.9	2.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.9	5.9
120°	2.9	2.9	2.0	1.0	2.0	2.0	2.0	2.0	2.0	3.9	5.9
122.5°	2.9	2.9	2.0	1.0	2.0	2.0	2.0	2.0	2.0	3.9	5.9
125°	2.9	2.9	2.0	1.0	2.0	1.0	2.0	2.0	2.0	3.9	4.9
127.5°	2.9	2.0	2.0	1.0	2.0	2.0	2.0	2.0	2.0	2.9	4.9
130°	2.0	2.0	2.0	1.0	2.0	2.0	2.0	2.0	2.0	2.9	4.9
132.5°	2.0	2.0	2.0	1.0	2.0	2.0	2.0	2.0	2.0	2.9	3.9
135°	2.0	2.0	1.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0	2.9
137.5°	2.0	2.0	2.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0	2.9
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°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.9	2.9
147.5°	2.0	2.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.9	2.9
150°	2.9	2.9	2.0	2.0	2.0	2.0	2.0	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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
2.5°	2.9	2.9	2.0	2.0	2.0	2.0	2.9	2.9	2.9	2.9	2.9
5°	2.9	2.9	2.0	2.0	2.0	2.0	2.0	2.0	2.9	2.9	2.9
7.5°	2.9	2.9	2.0	2.0	2.0	2.0	2.0	2.0	2.9	2.9	2.9
10°	3.9	3.9	2.9	2.0	2.0	2.0	2.0	2.0	2.9	2.9	2.9
12.5°	23.4	20.5	15.6	8.8	3.9	2.0	2.0	2.0	2.9	3.9	3.9
15°	121.9	114.1	91.7	60.5	19.5	4.9	2.9	8.8	27.3	37.1	36.1
17.5°	139.5	127.8	95.6	66.3	53.7	24.4	25.4	45.8	53.7	57.6	56.6
20°	240.9	199.0	118.0	77.1	62.4	58.5	51.7	58.5	66.3	71.2	72.2
22.5°	274.1	228.3	140.5	115.1	80.0	82.9	77.1	74.1	105.4	113.2	115.1
25°	296.6	237.0	147.3	129.7	121.9	96.6	106.3	109.3	121.9	126.8	127.8
27.5°	380.4	279.0	181.4	148.3	136.6	121.9	125.8	125.8	139.5	162.9	163.9
30°	375.6	262.4	190.2	173.6	153.2	143.4	137.5	160.0	177.5	182.4	183.4
32.5°	440.0	283.9	212.7	183.4	170.7	152.2	162.9	175.6	186.3	200.0	207.8
35°	402.9	256.6	221.4	205.8	180.5	166.8	176.6	188.3	224.4	236.1	236.1
37.5°	361.9	234.1	213.6	207.8	194.1	177.5	180.5	212.7	229.2	224.4	224.4
40°	324.8	218.5	206.8	203.9	195.1	177.5	191.2	206.8	222.4	218.5	218.5
42.5°	301.4	208.8	200.0	198.0	191.2	174.6	185.3	203.9	221.4	214.6	213.6
45°	292.7	200.0	195.1	191.2	180.5	167.8	181.4	205.8	219.5	211.7	210.7
47.5°	301.4	195.1	190.2	185.3	171.7	157.1	183.4	202.9	215.6	203.9	201.9
50°	329.7	195.1	184.4	177.5	164.9	157.1	180.5	196.1	205.8	192.2	189.2
52.5°	366.8	199.0	178.5	168.8	158.0	156.1	176.6	192.2	198.0	183.4	182.4
55°	417.5	205.8	170.7	161.9	147.3	152.2	176.6	193.1	191.2	174.6	173.6
57.5°	469.2	213.6	163.9	157.1	140.5	147.3	174.6	194.1	182.4	161.9	161.9
60°	524.8	223.4	155.1	151.2	135.6	140.5	168.8	192.2	173.6	152.2	152.2
62.5°	580.4	228.3	148.3	145.3	129.7	133.6	161.9	186.3	170.7	150.2	150.2
65°	625.3	223.4	141.4	137.5	121.9	125.8	152.2	181.4	165.8	151.2	152.2
67.5°	650.7	209.7	134.6	131.7	114.1	118.0	140.5	170.7	158.0	150.2	152.2
70°	639.0	186.3	125.8	121.9	106.3	111.2	129.7	158.0	153.2	150.2	153.2
72.5°	588.2	168.8	115.1	113.2	96.6	103.4	122.9	147.3	147.3	156.1	157.1
75°	523.8	150.2	106.3	104.4	89.7	94.6	120.0	134.6	137.5	149.3	152.2
77.5°	425.3	125.8	93.6	95.6	87.8	87.8	114.1	126.8	129.7	143.4	144.4
80°	260.5	92.7	81.0	85.8	81.0	83.9	107.3	118.0	120.0	138.5	140.5
82.5°	129.7	65.4	69.3	76.1	72.2	82.9	102.4	112.2	121.9	140.5	141.4
85°	66.3	40.0	52.7	61.5	62.4	91.7	100.5	116.1	114.1	126.8	129.7
87.5°	41.9	20.5	30.2	33.2	46.8	86.8	88.8	95.6	93.6	108.3	108.3
90°	41.0	16.6	26.3	25.4	46.8	74.1	68.3	69.3	74.1	91.7	92.7
92.5°	42.9	15.6	27.3	25.4	49.8	58.5	54.6	52.7	58.5	69.3	71.2
95°	38.0	14.6	29.3	27.3	42.9	39.0	35.1	39.0	38.0	38.0	39.0
97.5°	22.4	10.7	28.3	27.3	34.1	20.5	23.4	29.3	22.4	16.6	15.6
100°	9.8	6.8	27.3	26.3	21.5	12.7	19.5	24.4	16.6	6.8	6.8
102.5°	5.9	5.9	19.5	24.4	12.7	6.8	14.6	16.6	9.8	5.9	5.9
105°	5.9	5.9	9.8	14.6	4.9	3.9	6.8	7.8	4.9	4.9	4.9
107.5°	5.9	5.9	4.9	4.9	3.9	3.9	3.9	3.9	3.9	4.9	4.9
110°	5.9	5.9	3.9	4.9	3.9	2.9	2.9	2.9	3.9	4.9	4.9

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 CATALOG NUMBER: LXF.LXT-PA16-30-827-U-SL3-CL

**CANDELA DISTRIBUTION (continued):**

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