

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: P694952

Luminaire Tested: **LXF.LXT-PA16-30-827-U-T2R-CL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P694952  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-8)  
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-T2R-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY  
OPTICS AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2747.1 lumens  
Efficiency: N/A  
Efficacy: 94.1 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U2 - G1

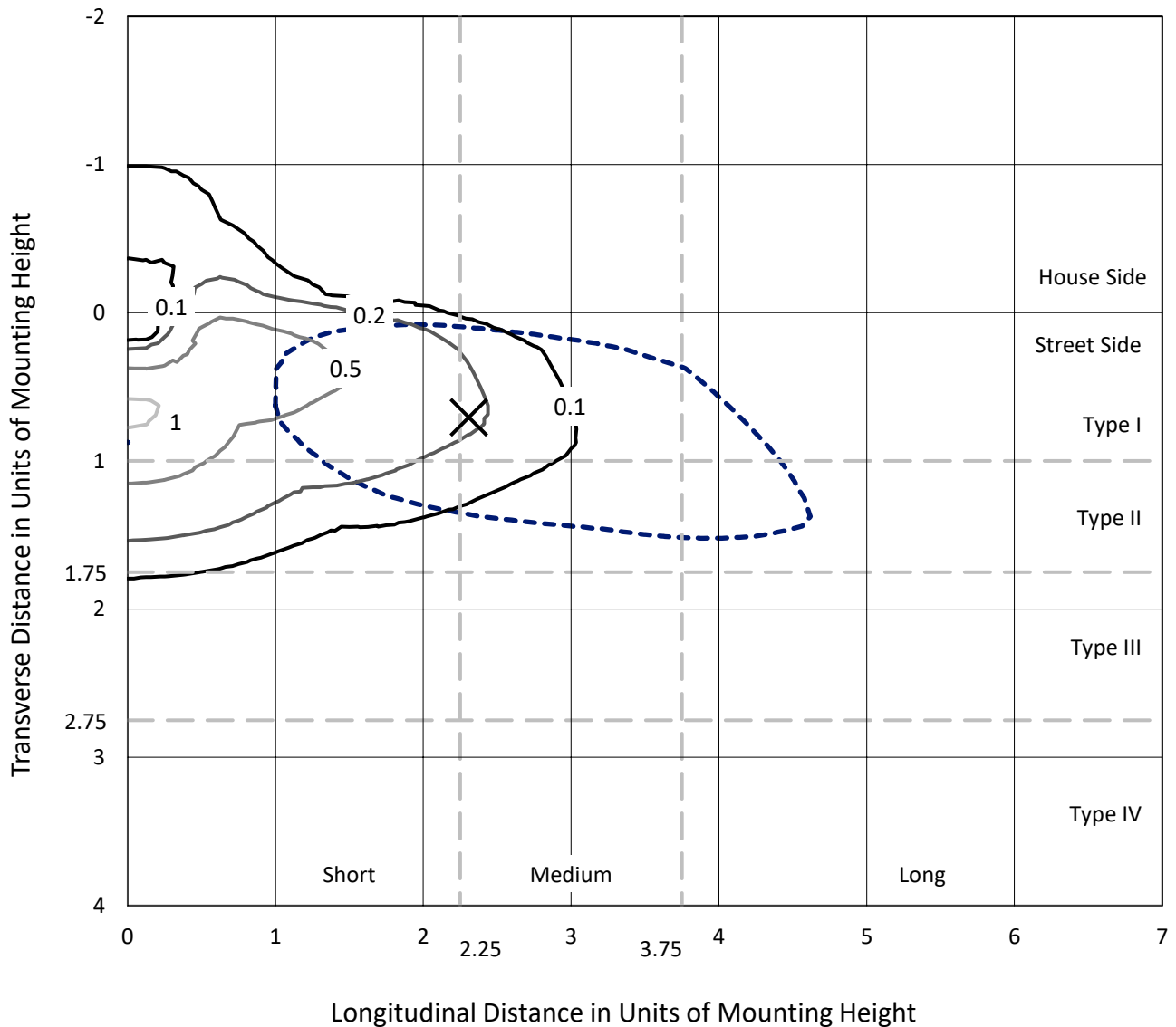
Input Watts (W): 29.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

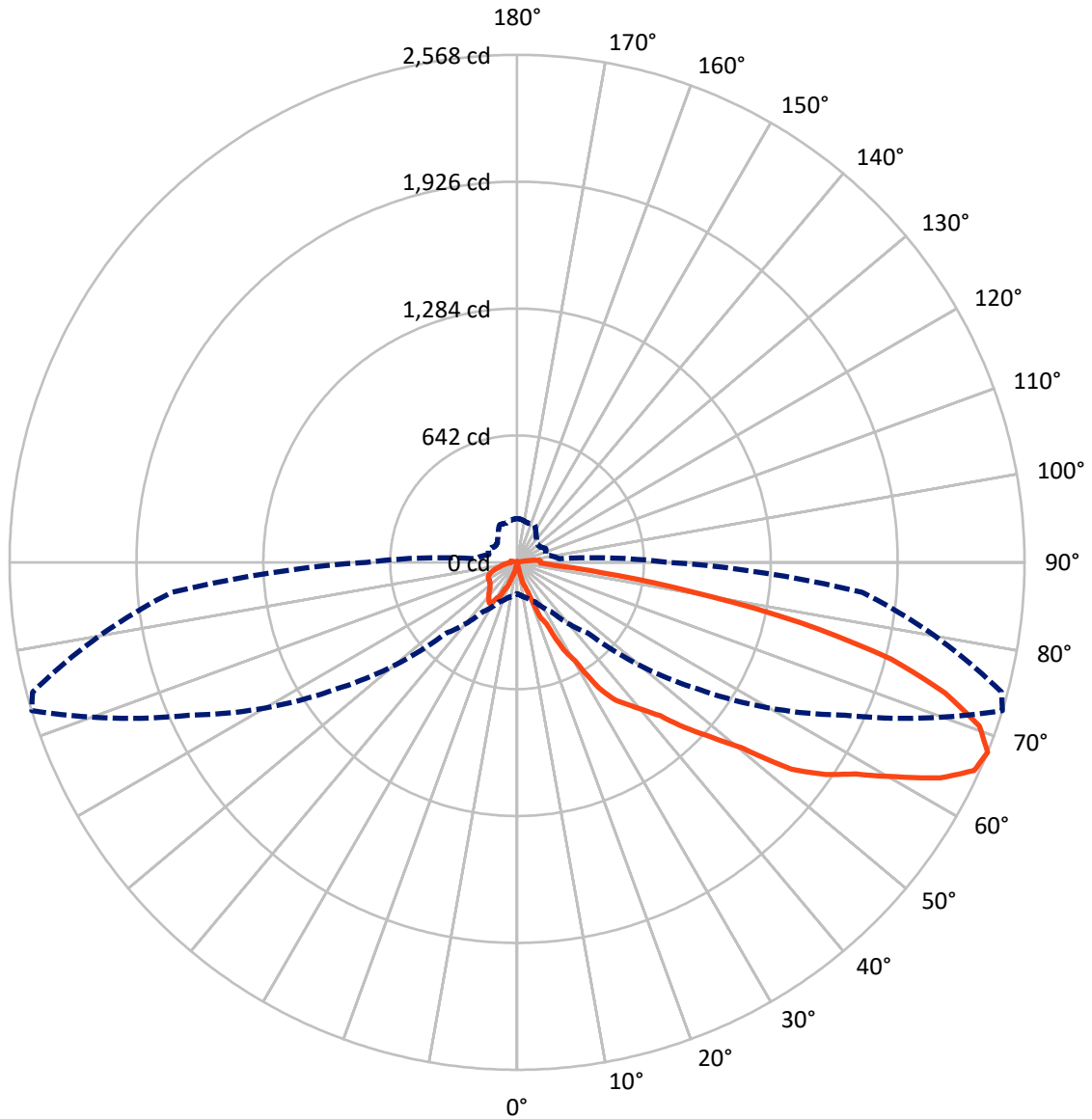
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc  
 Type II - 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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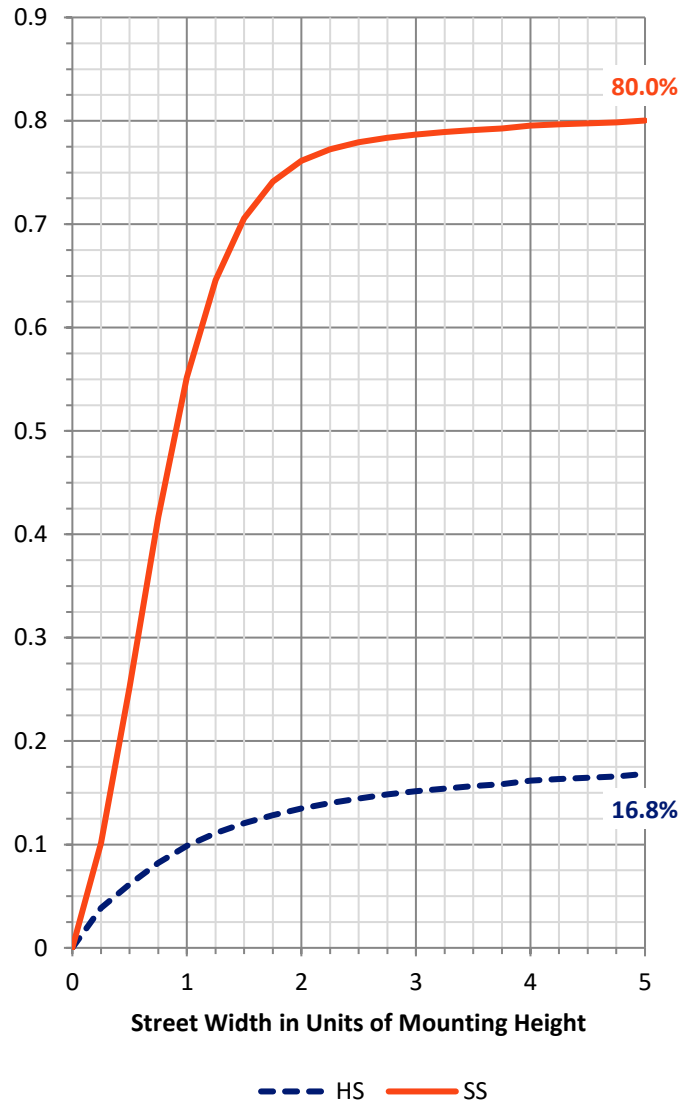
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	485.6	20.7	506.3
	% Fixture	17.7	0.8	18.4
<b>Street Side</b>	Lumens	2215.3	25.5	2240.8
	% Fixture	80.6	0.9	81.6
<b>Total</b>	Lumens	2700.9	46.2	2747.1
	% Fixture	98.3	1.7	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.3	0.0
10°-20°	22.2	0.8
20°-30°	137.5	5.0
30°-40°	345.9	12.6
40°-50°	499.5	18.2
50°-60°	610.9	22.2
60°-70°	602.3	21.9
70°-80°	378.9	13.8
80°-90°	103.6	3.8
90°-100°	30.1	1.1
100°-110°	6.5	0.2
110°-120°	3.3	0.1
120°-130°	2.8	0.1
130°-140°	1.9	0.1
140°-150°	1.4	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2700.9	98.3
0°-180°	2747.1	100.0

**Coefficient of Utilization**

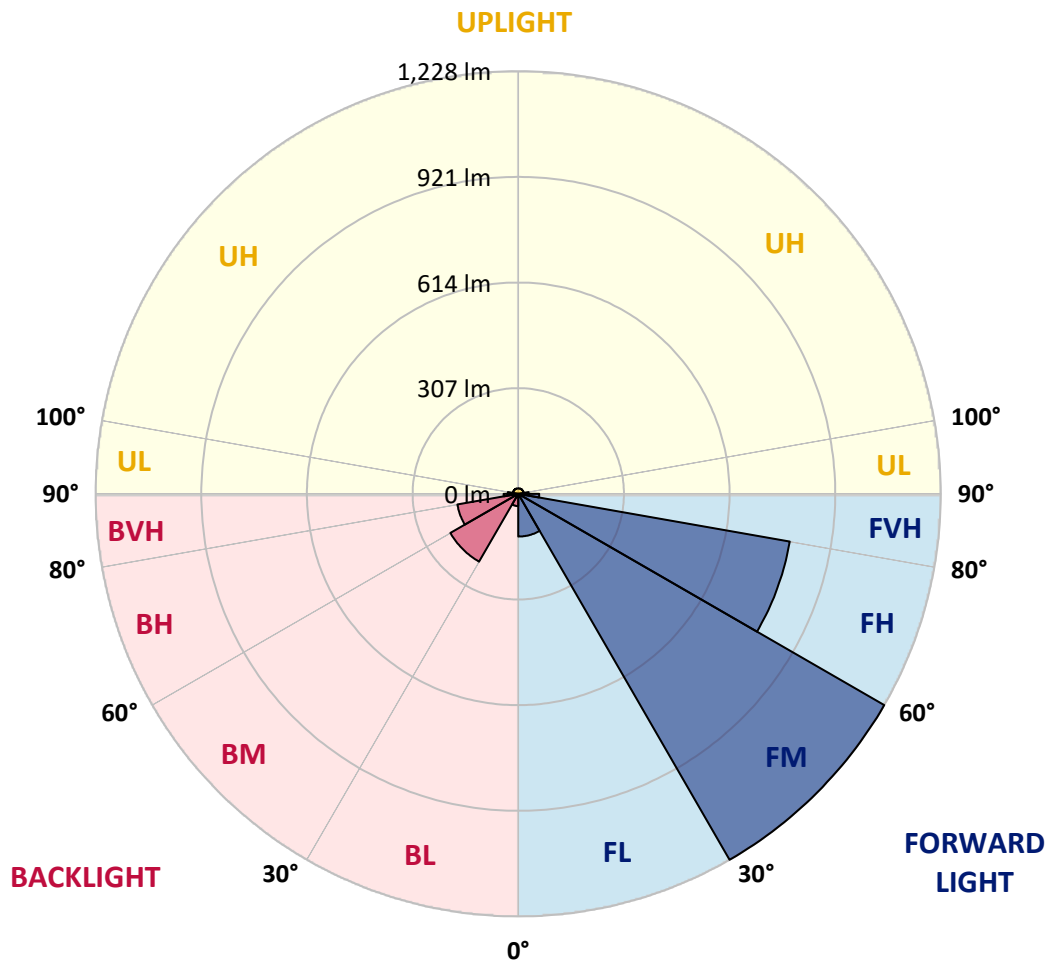


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	124.3	4.5			
FM (30°-60°)	1228.5	44.7			
FH (60°-80°)	801.5	29.2			G1/1800
FVH (80°-90°)	61.0	2.2			G1/100
BL (0°-30°)	35.7	1.3	B0/110		
BM (30°-60°)	227.8	8.3	B1/1000		
BH (60°-80°)	179.6	6.5	B1/500		G1/500
BVH (80°-90°)	42.6	1.5			G1/100
UL (90°-100°)	30.1	1.1		U2/50	
UH (100°-180°)	16.0	0.6		U2/50	

**BUG Rating: B1-U2-G1**  
 Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	73°	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°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.0	2.0	2.0
5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.0	2.0	2.0
7.5°	3.9	4.9	3.9	3.9	3.9	3.9	3.9	2.9	2.0	2.0	2.0
10°	16.6	15.6	10.7	9.8	5.9	4.9	3.9	2.9	2.9	2.9	2.9
12.5°	130.7	129.7	126.8	114.1	19.5	9.8	5.9	7.8	10.7	12.7	14.6
15°	150.2	152.2	149.2	146.3	141.4	46.8	20.5	113.2	105.4	101.4	78.0
17.5°	271.2	202.9	178.5	174.6	163.9	137.5	124.9	138.5	125.8	121.9	94.6
20°	372.6	370.7	363.8	351.2	197.0	250.7	240.0	162.9	164.9	174.6	186.3
22.5°	416.5	414.6	405.8	392.1	409.7	288.7	272.2	302.4	299.5	290.7	225.3
25°	682.8	674.0	626.2	456.5	457.5	402.9	417.5	389.2	343.4	334.6	262.4
27.5°	740.4	745.3	733.5	666.2	523.8	536.5	458.5	447.7	499.4	514.1	397.0
30°	990.1	1013.5	901.3	759.9	686.7	586.3	561.9	614.5	577.5	560.9	434.1
32.5°	1156.9	1146.2	1124.7	948.2	779.4	702.3	701.4	677.9	756.0	754.0	609.7
35°	1223.2	1214.5	1193.0	1038.9	896.5	824.3	762.8	842.8	855.5	823.3	650.6
37.5°	1273.0	1263.2	1237.9	1072.0	990.1	874.0	899.4	903.3	915.0	908.2	686.7
40°	1275.9	1270.1	1252.5	1118.9	1041.8	913.0	974.5	983.3	980.3	997.9	732.6
42.5°	1265.2	1253.5	1242.7	1127.6	1069.1	943.3	1032.0	1082.8	1061.3	1086.7	786.2
45°	1223.2	1209.6	1204.7	1127.6	1065.2	963.8	1099.3	1176.4	1193.0	1170.6	844.8
47.5°	1152.0	1149.1	1151.0	1101.3	1061.3	987.2	1163.7	1247.6	1319.8	1284.7	930.6
50°	1079.8	1084.7	1098.4	1071.1	1049.6	1000.8	1245.7	1370.5	1476.9	1429.1	1059.4
52.5°	965.7	972.5	1011.6	1022.3	1016.4	999.9	1309.1	1536.4	1740.2	1673.9	1193.0
55°	861.3	865.2	891.6	930.6	953.0	979.4	1334.4	1609.5	1895.3	1820.2	1279.8
57.5°	742.3	734.5	768.7	825.2	876.0	951.1	1360.8	1667.1	2020.2	1979.2	1393.0
60°	600.9	584.3	634.1	686.7	763.8	892.5	1377.4	1766.6	2203.6	2180.2	1557.8
62.5°	404.8	412.6	462.4	533.6	640.9	794.0	1358.8	1857.3	2402.6	2388.9	1695.4
65°	254.6	265.3	297.5	359.0	468.2	668.2	1280.8	1900.2	2541.1	2517.7	1774.4
67.5°	159.0	165.8	186.3	223.4	307.3	506.3	1118.9	1830.9	2568.4	2538.2	1754.9
70°	131.7	133.6	136.6	145.3	189.2	350.2	889.6	1651.5	2481.6	2486.5	1673.9
72.5°	118.0	120.0	120.0	119.0	121.9	219.5	634.1	1400.8	2265.0	2265.0	1512.9
75°	108.3	109.3	106.3	105.4	103.4	136.6	387.3	1110.1	1955.8	1918.7	1264.2
77.5°	95.6	97.5	94.6	94.6	93.6	104.4	224.4	846.7	1465.1	1402.7	852.6
80°	81.9	81.9	81.9	81.9	82.9	82.9	140.5	581.4	882.8	813.5	460.4
82.5°	65.4	64.4	66.3	70.2	68.3	63.4	108.3	338.5	428.2	388.2	227.3
85°	25.4	31.2	36.1	43.9	45.8	43.9	82.9	166.8	182.4	195.1	140.5
87.5°	14.6	14.6	11.7	11.7	12.7	17.6	51.7	100.5	118.0	132.7	123.9
90°	15.6	15.6	11.7	10.7	10.7	14.6	44.9	91.7	120.0	133.6	125.8
92.5°	16.6	16.6	11.7	10.7	10.7	11.7	37.1	81.9	119.0	136.6	122.9
95°	14.6	15.6	10.7	9.8	10.7	10.7	27.3	65.4	110.2	112.2	115.1
97.5°	9.8	10.7	6.8	7.8	9.8	8.8	14.6	38.0	58.5	44.9	53.7
100°	5.9	6.8	4.9	5.9	6.8	6.8	7.8	16.6	14.6	9.8	9.8
102.5°	5.9	5.9	3.9	4.9	4.9	3.9	3.9	6.8	5.9	5.9	9.8
105°	5.9	5.9	3.9	3.9	2.9	2.9	2.9	4.9	4.9	5.9	9.8
107.5°	3.9	4.9	2.9	2.9	2.9	2.9	2.0	2.9	4.9	4.9	10.7
110°	2.9	2.9	2.0	2.0	2.0	2.9	2.0	2.9	3.9	4.9	7.8

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
112.5°	2.0	2.9	2.0	2.0	2.0	2.0	2.0	2.9	3.9	3.9	4.9
115°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.9	2.9	3.9	5.9
117.5°	2.9	2.9	2.0	2.0	1.0	2.0	2.0	2.0	2.9	3.9	5.9
120°	2.9	2.9	2.0	2.0	1.0	1.0	2.0	2.0	3.9	3.9	5.9
122.5°	2.9	2.9	2.0	1.0	1.0	1.0	2.0	2.0	2.9	3.9	5.9
125°	2.9	2.9	2.0	1.0	1.0	1.0	2.0	2.0	2.9	3.9	4.9
127.5°	2.9	2.9	2.0	1.0	1.0	1.0	2.0	2.0	2.9	2.9	4.9
130°	2.9	2.9	2.0	1.0	1.0	1.0	2.0	2.0	2.9	2.9	4.9
132.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.9	3.9
135°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.9
137.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
140°	2.9	2.9	2.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
142.5°	2.9	2.9	2.9	2.9	2.9	2.0	2.0	2.0	2.0	2.0	2.0
145°	3.9	3.9	3.9	2.9	2.9	2.0	2.0	2.0	2.0	2.0	2.0
147.5°	3.9	3.9	3.9	2.9	2.9	2.0	2.0	2.0	2.0	2.0	2.0
150°	3.9	4.9	3.9	2.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0
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°	2.0	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	2.9	2.9	2.9
5°	2.0	2.0	2.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0	2.0
7.5°	2.0	2.0	2.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0	2.0
10°	2.9	2.0	2.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	1.0
12.5°	14.6	14.6	10.7	4.9	2.0	1.0	1.0	1.0	2.9	2.9	2.9
15°	71.2	64.4	57.6	50.7	13.7	2.0	2.0	8.8	33.2	46.8	48.8
17.5°	82.9	75.1	67.3	61.5	54.6	20.5	22.4	58.5	60.5	61.5	60.5
20°	160.0	142.4	92.7	70.2	60.5	63.4	55.6	62.4	67.3	69.3	69.3
22.5°	190.2	163.9	140.5	122.9	72.2	86.8	81.0	72.2	112.2	115.1	116.1
25°	220.5	186.3	151.2	130.7	125.8	89.7	95.6	110.2	119.0	121.0	120.0
27.5°	321.9	265.3	211.7	141.4	133.6	112.2	120.0	116.1	126.8	155.1	158.0
30°	346.3	276.1	215.6	171.7	140.5	131.7	123.9	151.2	163.9	163.9	164.9
32.5°	479.9	368.7	265.3	171.7	155.1	132.7	148.3	158.0	165.8	177.5	173.6
35°	502.4	372.6	262.4	199.0	155.1	139.5	153.1	162.9	199.0	202.9	201.9
37.5°	520.9	368.7	247.8	193.1	167.8	148.3	156.1	186.3	200.9	200.0	198.0
40°	541.4	362.9	233.1	189.2	166.8	149.2	166.8	187.3	196.1	191.2	186.3
42.5°	564.8	354.1	220.5	180.5	162.9	150.2	167.8	182.4	181.4	178.5	175.6
45°	595.0	344.3	205.8	172.7	161.0	148.3	164.9	169.7	176.6	174.6	172.7
47.5°	639.9	334.6	193.1	165.8	159.0	145.3	166.8	172.7	178.5	173.6	172.7
50°	706.2	320.9	182.4	163.9	158.0	154.1	153.1	177.5	182.4	170.7	168.8
52.5°	751.1	305.3	176.6	161.9	155.1	150.2	162.9	175.6	180.5	166.8	165.8
55°	781.3	282.9	171.7	161.9	153.1	141.4	176.6	179.5	179.5	163.9	161.9
57.5°	814.5	267.3	168.8	164.9	152.2	131.7	184.4	183.4	179.5	159.0	160.0
60°	862.3	257.5	165.8	167.8	152.2	134.6	181.4	192.2	179.5	161.9	167.8
62.5°	889.6	247.8	163.9	168.8	150.2	134.6	175.6	204.8	194.1	181.4	182.4
65°	851.6	235.1	158.0	167.8	147.3	137.5	169.7	209.7	207.8	201.9	202.9
67.5°	764.8	213.6	147.3	161.0	137.5	139.5	166.8	209.7	205.8	218.5	221.4
70°	668.2	188.3	131.7	149.2	130.7	137.5	173.6	202.9	202.9	226.3	231.2
72.5°	565.8	154.1	114.1	136.6	130.7	133.6	181.4	195.1	195.1	226.3	225.3
75°	464.3	122.9	95.6	117.1	121.0	133.6	180.5	186.3	181.4	206.8	201.9
77.5°	339.5	97.5	81.9	98.5	109.3	133.6	174.6	173.6	165.8	177.5	175.6
80°	208.7	77.1	69.3	83.9	91.7	127.8	164.9	158.0	144.4	150.2	148.3
82.5°	121.0	57.6	58.5	71.2	73.2	117.1	149.2	137.5	122.9	125.8	122.9
85°	78.0	37.1	45.8	54.6	57.6	95.6	127.8	116.1	99.5	128.8	122.9
87.5°	60.5	21.5	31.2	36.1	35.1	41.9	73.2	69.3	68.3	55.6	53.7
90°	56.6	18.5	31.2	31.2	25.4	20.5	28.3	29.3	24.4	26.3	23.4
92.5°	50.7	18.5	33.2	31.2	22.4	16.6	23.4	23.4	18.5	17.6	16.6
95°	41.9	16.6	35.1	32.2	20.5	14.6	19.5	18.5	14.6	13.7	12.7
97.5°	22.4	10.7	33.2	29.3	18.5	13.7	17.6	15.6	10.7	9.8	8.8
100°	7.8	6.8	32.2	25.4	15.6	10.7	12.7	11.7	6.8	5.9	4.9
102.5°	6.8	5.9	18.5	18.5	9.8	5.9	7.8	7.8	5.9	4.9	4.9
105°	7.8	5.9	6.8	9.8	4.9	2.9	3.9	4.9	4.9	5.9	5.9
107.5°	7.8	5.9	4.9	4.9	3.9	2.9	2.9	2.9	4.9	5.9	5.9
110°	6.8	5.9	3.9	4.9	3.9	2.9	2.9	2.9	4.9	6.8	6.8

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 CATALOG NUMBER: LXF.LXT-PA16-30-827-U-T2R-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	4.9	6.8	7.8
115°	4.9	4.9	2.9	2.9	2.9	2.9	2.0	2.9	4.9	7.8	8.8
117.5°	5.9	4.9	2.9	2.9	2.0	2.0	2.0	2.9	5.9	8.8	9.8
120°	5.9	4.9	2.9	2.9	2.0	2.0	2.0	2.9	5.9	9.8	9.8
122.5°	5.9	4.9	2.9	2.9	2.0	2.0	2.0	2.9	5.9	9.8	9.8
125°	4.9	4.9	2.9	2.9	2.0	2.0	2.0	2.9	5.9	9.8	9.8
127.5°	4.9	3.9	2.9	2.0	2.0	2.0	2.0	2.9	5.9	8.8	9.8
130°	3.9	3.9	2.9	2.0	2.0	2.0	2.0	2.9	5.9	8.8	8.8
132.5°	3.9	3.9	2.9	2.0	2.0	2.0	2.0	2.9	4.9	7.8	7.8
135°	2.9	2.9	2.0	2.0	2.0	2.0	2.0	2.9	3.9	5.9	5.9
137.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.9	3.9	3.9
140°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.9	2.9	2.9
142.5°	2.0	2.0	2.0	2.0	2.0	1.0	2.0	2.0	2.9	2.9	2.9
145°	2.0	2.0	2.0	2.0	1.0	1.0	2.0	2.0	2.9	2.9	2.0
147.5°	2.0	2.0	2.0	2.0	1.0	1.0	1.0	2.0	2.9	2.9	2.0
150°	2.0	2.0	2.0	1.0	1.0	1.0	1.0	2.0	2.9	2.9	2.0
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)