

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: P694599

Luminaire Tested: **LXF.LXT-PA16-20-740-U-T2U-TL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P694599  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-20-740-U-T2U-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS  
AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2854.1 lumens  
Efficiency: N/A  
Efficacy: 130.9 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 - G1

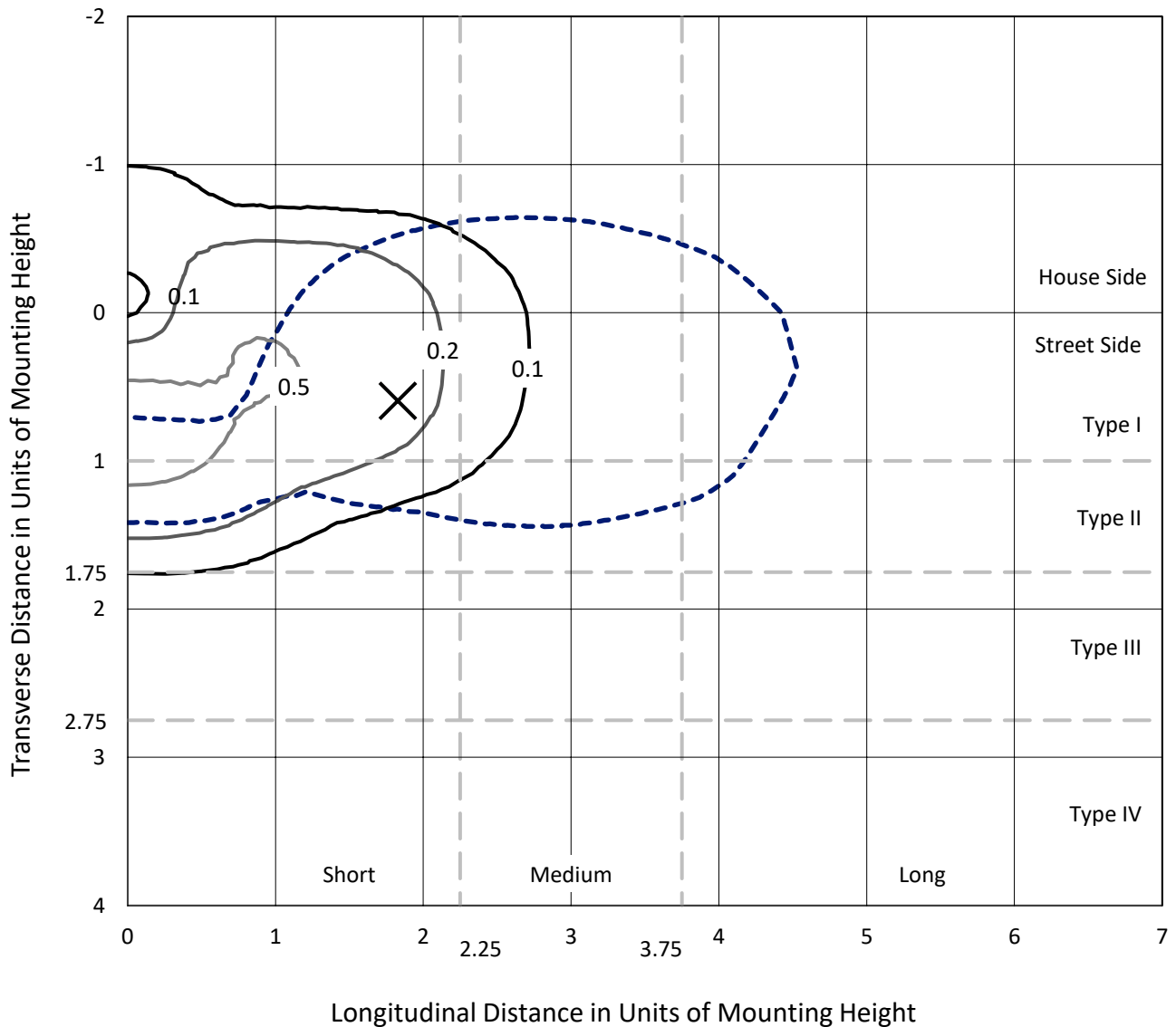
Input Watts (W): 21.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

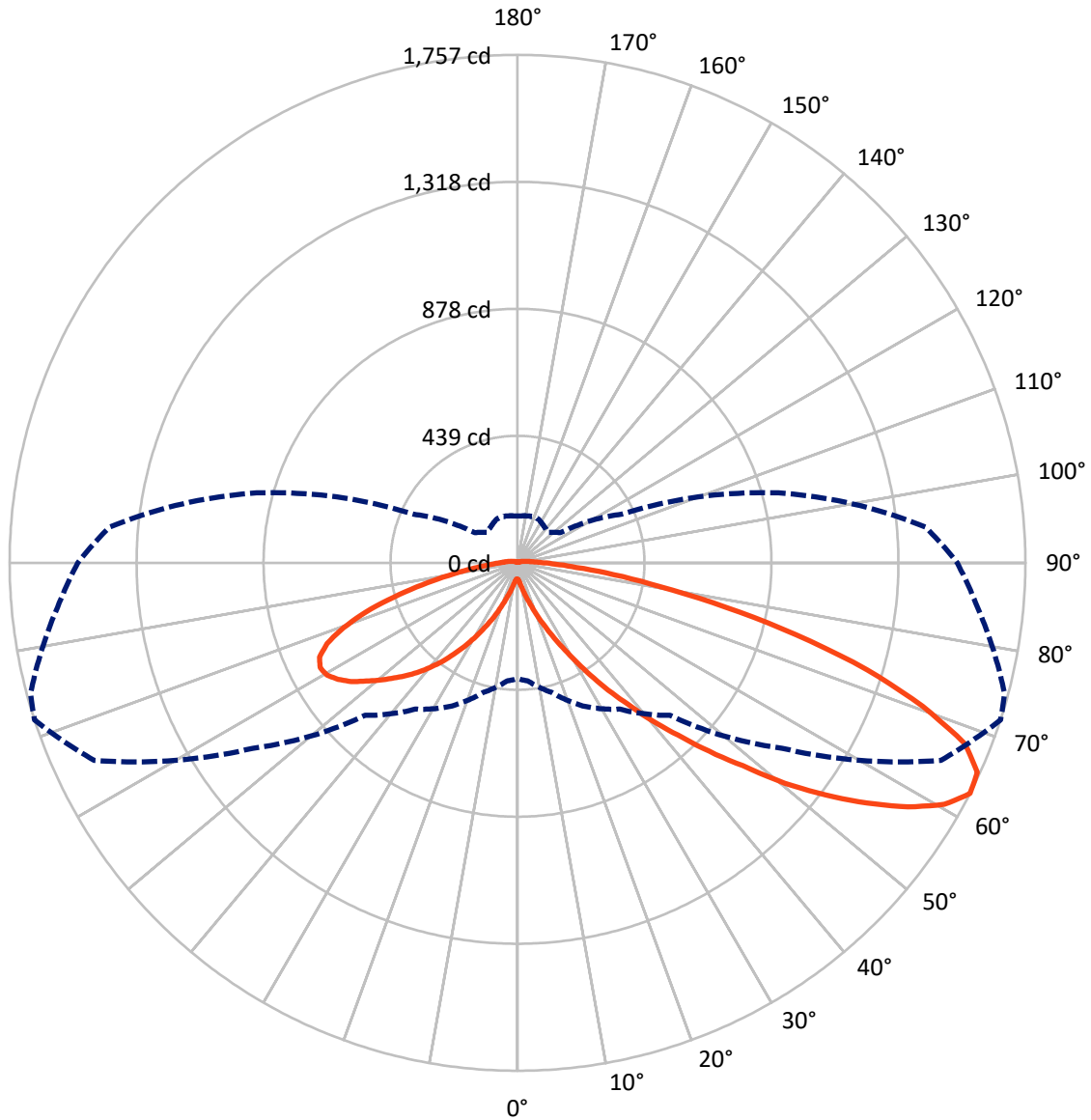
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral      - - - Horizontal Cone Through 62.5-Deg Vertical

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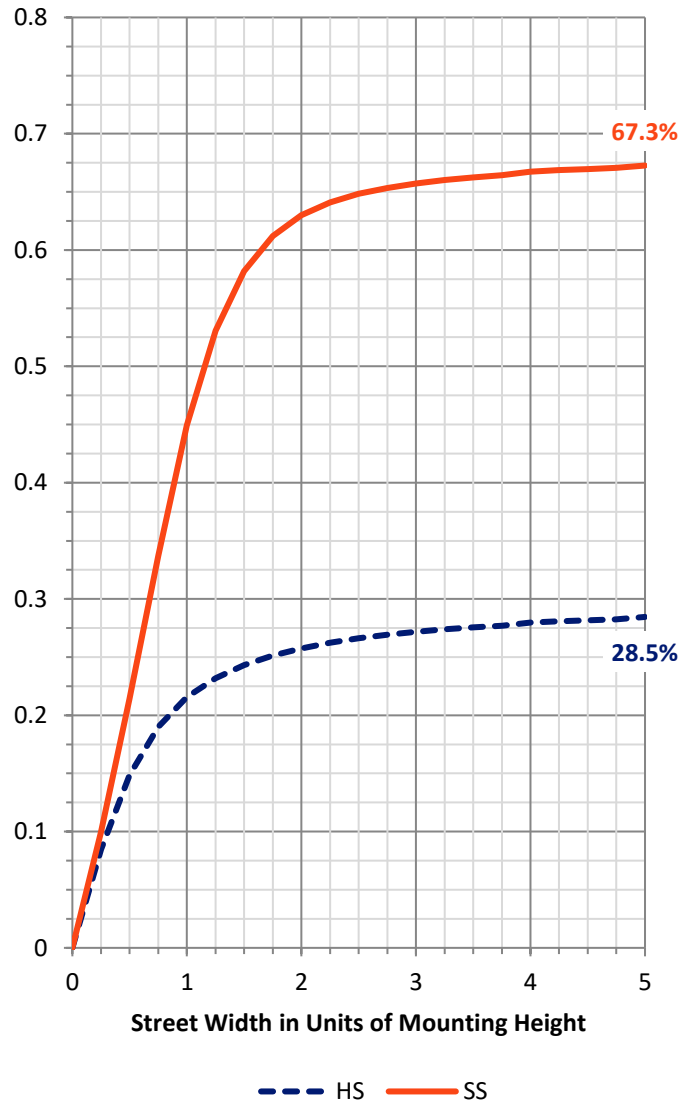
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	836.8	42.6	879.4
	% Fixture	29.3	1.5	30.8
<b>Street Side</b>	Lumens	1940.1	34.5	1974.7
	% Fixture	68.0	1.2	69.2
<b>Total</b>	Lumens	2777.0	77.1	2854.1
	% Fixture	97.3	2.7	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	6.6	0.2
10°-20°	36.1	1.3
20°-30°	119.0	4.2
30°-40°	284.2	10.0
40°-50°	505.2	17.7
50°-60°	668.0	23.4
60°-70°	641.8	22.5
70°-80°	389.6	13.7
80°-90°	126.4	4.4
90°-100°	38.9	1.4
100°-110°	18.2	0.6
110°-120°	9.4	0.3
120°-130°	5.6	0.2
130°-140°	3.3	0.1
140°-150°	1.6	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2777.0	97.3
0°-180°	2854.1	100.0

**Coefficient of Utilization**

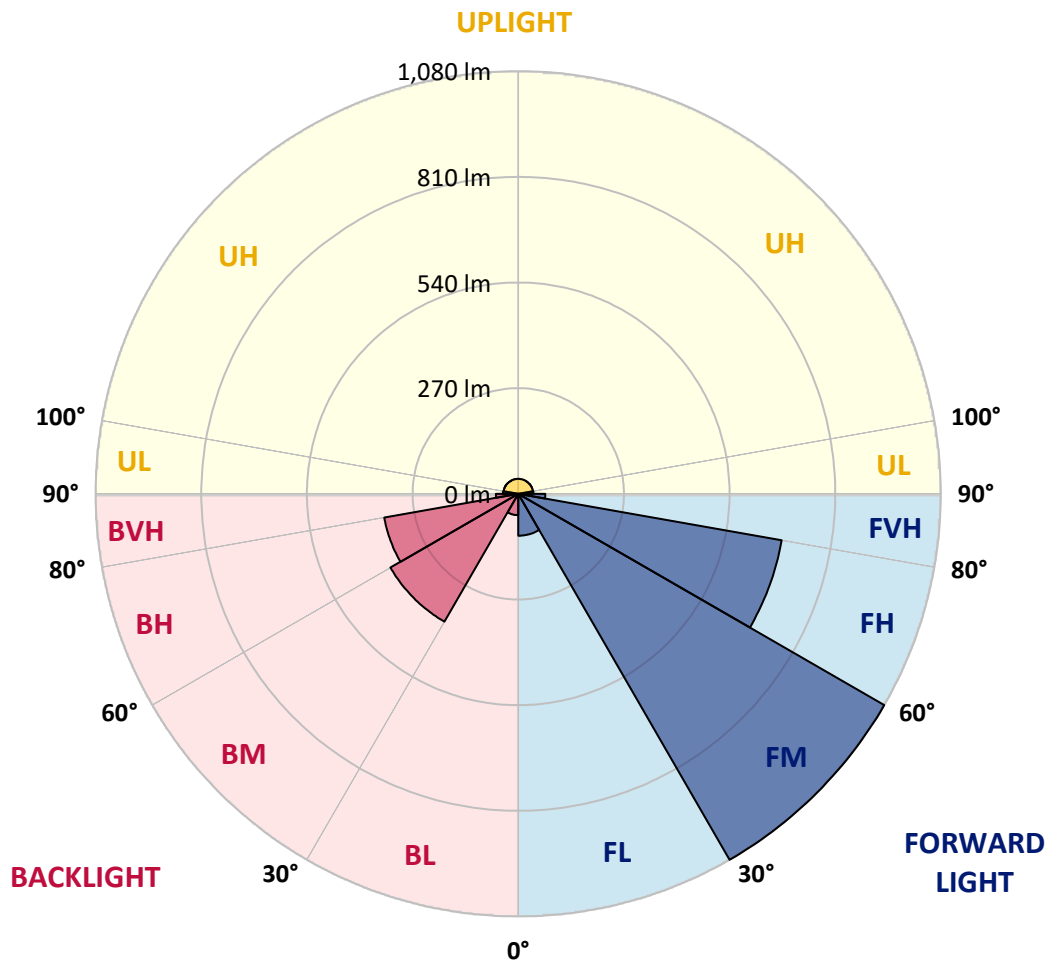


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	107.0	3.8			
FM (30°-60°)	1080.2	37.8			
FH (60°-80°)	683.7	24.0			G1/1800
FVH (80°-90°)	69.2	2.4			G1/100
BL (0°-30°)	54.6	1.9	B0/110		
BM (30°-60°)	377.3	13.2	B1/1000		
BH (60°-80°)	347.7	12.2	B1/500		G1/500
BVH (80°-90°)	57.2	2.0			G1/100
UL (90°-100°)	38.9	1.4		U2/50	
UH (100°-180°)	38.2	1.3		U2/50	

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



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
2.5°	63.0	64.0	63.0	64.0	63.0	62.0	62.0	60.0	60.0	59.0	58.0
5°	75.0	76.0	76.0	75.0	73.0	72.0	69.0	68.0	66.0	65.0	63.0
7.5°	92.0	91.0	92.0	89.0	88.0	86.0	82.0	79.0	76.0	75.0	72.0
10°	114.0	113.0	112.0	110.0	107.0	103.0	99.0	93.0	91.0	90.0	85.0
12.5°	140.0	142.0	139.0	136.0	131.0	126.0	119.0	112.0	109.0	108.0	100.0
15°	178.0	178.0	174.0	169.0	159.0	151.0	144.0	137.0	132.0	130.0	123.0
17.5°	226.0	223.0	218.0	206.0	197.0	184.0	176.0	165.0	160.0	159.0	150.0
20°	279.0	281.0	270.0	255.0	238.0	222.0	210.0	199.0	194.0	193.0	182.0
22.5°	349.0	349.0	334.0	314.0	286.0	264.0	250.0	239.0	232.0	228.0	221.0
25°	430.0	430.0	413.0	374.0	344.0	314.0	294.0	282.0	279.0	275.0	265.0
27.5°	527.0	530.0	498.0	459.0	404.0	368.0	344.0	337.0	331.0	333.0	313.0
30°	638.9	633.9	600.0	540.0	477.0	430.0	406.0	396.0	392.0	393.0	375.0
32.5°	745.9	737.9	706.9	637.9	554.0	501.0	474.0	466.0	463.0	459.0	437.0
35°	869.9	862.9	818.9	734.9	641.9	573.0	541.0	541.0	541.0	536.0	504.0
37.5°	989.9	976.9	928.9	836.9	728.9	650.9	624.0	628.0	622.0	615.0	579.0
40°	1085.9	1076.9	1030.9	936.9	817.9	735.9	709.9	715.9	718.9	708.9	658.9
42.5°	1153.9	1149.9	1112.9	1024.9	897.9	819.9	809.9	816.9	814.9	803.9	748.9
45°	1186.9	1182.9	1158.9	1086.9	975.9	902.9	903.9	934.9	929.9	917.9	838.9
47.5°	1168.9	1173.9	1164.9	1119.9	1024.9	972.9	1000.9	1055.9	1048.9	1037.9	940.9
50°	1114.9	1112.9	1126.9	1110.9	1043.9	1019.9	1095.9	1195.9	1197.9	1168.9	1057.9
52.5°	1001.9	1006.9	1046.9	1055.9	1027.9	1037.9	1175.9	1330.9	1334.9	1299.9	1169.9
55°	867.9	866.9	918.9	964.9	966.9	1017.9	1221.9	1446.9	1466.9	1440.9	1289.9
57.5°	689.9	707.9	761.9	834.9	870.9	956.9	1237.9	1550.9	1592.9	1556.9	1397.9
60°	534.0	548.0	613.0	691.9	749.9	863.9	1197.9	1607.9	1696.9	1671.9	1513.9
62.5°	401.0	410.0	465.0	548.0	618.0	745.9	1117.9	1615.9	1756.9	1743.9	1590.9
65°	295.0	300.0	353.0	425.0	494.0	605.0	973.9	1547.9	1747.9	1756.9	1643.9
67.5°	214.0	222.0	261.0	325.0	384.0	485.0	816.9	1401.9	1668.9	1694.9	1624.9
70°	169.0	173.0	200.0	250.0	293.0	370.0	658.9	1200.9	1486.9	1545.9	1529.9
72.5°	136.0	138.0	159.0	197.0	225.0	281.0	498.0	970.9	1264.9	1332.9	1369.9
75°	112.0	114.0	131.0	157.0	179.0	210.0	365.0	734.9	993.9	1067.9	1147.9
77.5°	89.0	93.0	106.0	126.0	142.0	160.0	256.0	531.0	734.9	792.9	885.9
80°	71.0	73.0	85.0	101.0	113.0	126.0	188.0	352.0	497.0	569.0	638.9
82.5°	54.0	56.0	65.0	78.0	88.0	97.0	134.0	232.0	334.0	370.0	409.0
85°	39.0	39.0	48.0	59.0	68.0	77.0	98.0	151.0	204.0	225.0	252.0
87.5°	26.0	27.0	33.0	43.0	53.0	60.0	72.0	99.0	130.0	137.0	155.0
90°	18.0	19.0	23.0	31.0	40.0	47.0	54.0	68.0	82.0	89.0	102.0
92.5°	13.0	14.0	18.0	23.0	31.0	38.0	43.0	49.0	58.0	63.0	70.0
95°	10.0	11.0	14.0	19.0	25.0	31.0	35.0	38.0	44.0	47.0	52.0
97.5°	9.0	9.0	12.0	16.0	21.0	26.0	29.0	31.0	35.0	37.0	41.0
100°	8.0	8.0	10.0	14.0	18.0	22.0	24.0	25.0	28.0	29.0	32.0
102.5°	7.0	7.0	9.0	12.0	16.0	19.0	21.0	21.0	23.0	23.0	25.0
105°	6.0	6.0	8.0	11.0	14.0	17.0	18.0	18.0	18.0	19.0	19.0
107.5°	6.0	6.0	7.0	10.0	12.0	15.0	16.0	15.0	15.0	15.0	15.0
110°	5.0	5.0	7.0	9.0	11.0	13.0	13.0	13.0	12.0	12.0	12.0

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	5.0	5.0	6.0	8.0	10.0	11.0	12.0	11.0	10.0	10.0	10.0
115°	5.0	5.0	6.0	7.0	9.0	10.0	10.0	9.0	8.0	8.0	8.0
117.5°	4.0	5.0	5.0	7.0	8.0	9.0	9.0	8.0	7.0	7.0	7.0
120°	4.0	4.0	5.0	6.0	7.0	8.0	8.0	7.0	6.0	6.0	7.0
122.5°	4.0	4.0	5.0	6.0	7.0	7.0	7.0	6.0	6.0	6.0	6.0
125°	4.0	4.0	4.0	5.0	6.0	7.0	6.0	6.0	5.0	5.0	6.0
127.5°	4.0	4.0	4.0	5.0	6.0	6.0	6.0	5.0	5.0	5.0	5.0
130°	4.0	4.0	4.0	4.0	5.0	5.0	5.0	5.0	4.0	4.0	5.0
132.5°	4.0	4.0	4.0	4.0	5.0	5.0	5.0	4.0	4.0	4.0	4.0
135°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.0	4.0	4.0
137.5°	4.0	4.0	3.0	4.0	4.0	4.0	4.0	3.0	3.0	3.0	4.0
140°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
142.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.0	2.0	3.0	3.0
145°	3.0	3.0	3.0	3.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
147.5°	3.0	3.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
150°	2.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	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°	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
2.5°	58.0	57.0	56.0	55.0	55.0	54.0	54.0	53.0	53.0	53.0	53.0
5°	62.0	61.0	59.0	57.0	55.0	54.0	52.0	51.0	51.0	50.0	50.0
7.5°	71.0	68.0	65.0	62.0	59.0	56.0	54.0	52.0	51.0	51.0	51.0
10°	82.0	80.0	74.0	70.0	66.0	62.0	59.0	56.0	54.0	54.0	53.0
12.5°	99.0	96.0	88.0	83.0	76.0	70.0	66.0	62.0	60.0	59.0	59.0
15°	119.0	115.0	108.0	98.0	89.0	81.0	75.0	72.0	70.0	69.0	69.0
17.5°	146.0	140.0	129.0	117.0	105.0	94.0	88.0	83.0	80.0	81.0	81.0
20°	178.0	171.0	156.0	140.0	123.0	111.0	101.0	96.0	94.0	94.0	94.0
22.5°	213.0	205.0	189.0	167.0	145.0	128.0	115.0	109.0	109.0	109.0	109.0
25°	259.0	245.0	225.0	196.0	167.0	143.0	129.0	124.0	124.0	125.0	126.0
27.5°	303.0	294.0	264.0	227.0	190.0	159.0	141.0	136.0	139.0	141.0	142.0
30°	359.0	343.0	307.0	259.0	211.0	172.0	152.0	148.0	153.0	156.0	157.0
32.5°	421.0	399.0	353.0	294.0	230.0	182.0	160.0	158.0	163.0	168.0	168.0
35°	484.0	458.0	400.0	328.0	245.0	188.0	165.0	165.0	171.0	176.0	176.0
37.5°	553.0	518.0	451.0	357.0	257.0	191.0	168.0	169.0	176.0	179.0	180.0
40°	626.0	586.0	499.0	384.0	263.0	190.0	169.0	172.0	177.0	180.0	180.0
42.5°	701.9	656.9	551.0	404.0	264.0	188.0	168.0	172.0	177.0	178.0	178.0
45°	787.9	734.9	601.0	419.0	260.0	184.0	167.0	172.0	175.0	174.0	174.0
47.5°	882.9	817.9	648.9	431.0	252.0	179.0	166.0	172.0	173.0	171.0	170.0
50°	989.9	909.9	704.9	436.0	243.0	174.0	165.0	171.0	171.0	167.0	167.0
52.5°	1100.9	1015.9	761.9	437.0	232.0	169.0	165.0	171.0	170.0	164.0	164.0
55°	1202.9	1119.9	822.9	436.0	220.0	163.0	163.0	171.0	169.0	163.0	163.0
57.5°	1333.9	1230.9	873.9	428.0	207.0	159.0	162.0	171.0	168.0	162.0	162.0
60°	1431.9	1332.9	913.9	417.0	195.0	153.0	160.0	170.0	167.0	162.0	162.0
62.5°	1520.9	1416.9	933.9	398.0	181.0	148.0	157.0	168.0	167.0	163.0	162.0
65°	1565.9	1452.9	925.9	369.0	168.0	142.0	154.0	166.0	165.0	162.0	162.0
67.5°	1554.9	1438.9	880.9	332.0	155.0	136.0	149.0	160.0	161.0	160.0	160.0
70°	1473.9	1345.9	795.9	286.0	143.0	128.0	143.0	154.0	155.0	155.0	156.0
72.5°	1315.9	1188.9	685.9	243.0	130.0	120.0	134.0	145.0	147.0	148.0	147.0
75°	1105.9	976.9	549.0	201.0	118.0	111.0	124.0	134.0	137.0	137.0	137.0
77.5°	850.9	746.9	414.0	161.0	106.0	101.0	113.0	122.0	124.0	125.0	124.0
80°	604.0	527.0	292.0	130.0	94.0	91.0	100.0	107.0	109.0	111.0	110.0
82.5°	394.0	352.0	205.0	103.0	81.0	79.0	87.0	92.0	94.0	94.0	93.0
85°	239.0	219.0	135.0	82.0	69.0	67.0	73.0	76.0	77.0	77.0	77.0
87.5°	149.0	135.0	95.0	66.0	58.0	57.0	60.0	61.0	64.0	63.0	62.0
90°	96.0	90.0	70.0	52.0	47.0	47.0	49.0	49.0	51.0	51.0	49.0
92.5°	69.0	66.0	54.0	43.0	39.0	40.0	41.0	40.0	41.0	41.0	41.0
95°	53.0	51.0	45.0	37.0	33.0	34.0	33.0	33.0	34.0	34.0	33.0
97.5°	42.0	42.0	37.0	31.0	29.0	28.0	29.0	28.0	29.0	28.0	27.0
100°	33.0	33.0	31.0	27.0	25.0	24.0	25.0	24.0	25.0	24.0	23.0
102.5°	26.0	27.0	26.0	23.0	22.0	21.0	21.0	21.0	21.0	20.0	20.0
105°	20.0	21.0	22.0	20.0	19.0	18.0	18.0	18.0	18.0	17.0	16.0
107.5°	16.0	17.0	18.0	17.0	17.0	16.0	16.0	16.0	15.0	14.0	14.0
110°	13.0	14.0	15.0	15.0	14.0	14.0	14.0	14.0	13.0	12.0	12.0

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 CATALOG NUMBER: LXF.LXT-PA16-20-740-U-T2U-TL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	11.0	11.0	12.0	13.0	13.0	13.0	13.0	12.0	11.0	11.0	11.0
115°	9.0	10.0	11.0	11.0	11.0	11.0	11.0	10.0	10.0	9.0	9.0
117.5°	8.0	8.0	9.0	10.0	10.0	10.0	10.0	9.0	8.0	8.0	9.0
120°	7.0	7.0	8.0	9.0	9.0	9.0	9.0	8.0	7.0	8.0	8.0
122.5°	7.0	7.0	7.0	8.0	8.0	8.0	8.0	7.0	7.0	7.0	7.0
125°	6.0	6.0	7.0	7.0	7.0	7.0	7.0	6.0	6.0	7.0	7.0
127.5°	6.0	6.0	6.0	6.0	7.0	7.0	6.0	6.0	6.0	6.0	6.0
130°	5.0	5.0	6.0	6.0	6.0	6.0	6.0	5.0	5.0	6.0	6.0
132.5°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
135°	4.0	4.0	5.0	5.0	5.0	5.0	5.0	4.0	5.0	5.0	5.0
137.5°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	5.0	5.0
140°	3.0	3.0	3.0	4.0	4.0	4.0	4.0	3.0	4.0	4.0	4.0
142.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	4.0	4.0
145°	2.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
147.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0	3.0	3.0
150°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0	3.0
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)