

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: P694594

Luminaire Tested: **LXF.LXT-PA16-20-740-U-T2R-TL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P694594  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-10)  
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-T2R-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY  
OPTICS AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2697.1 lumens  
Efficiency: N/A  
Efficacy: 123.7 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

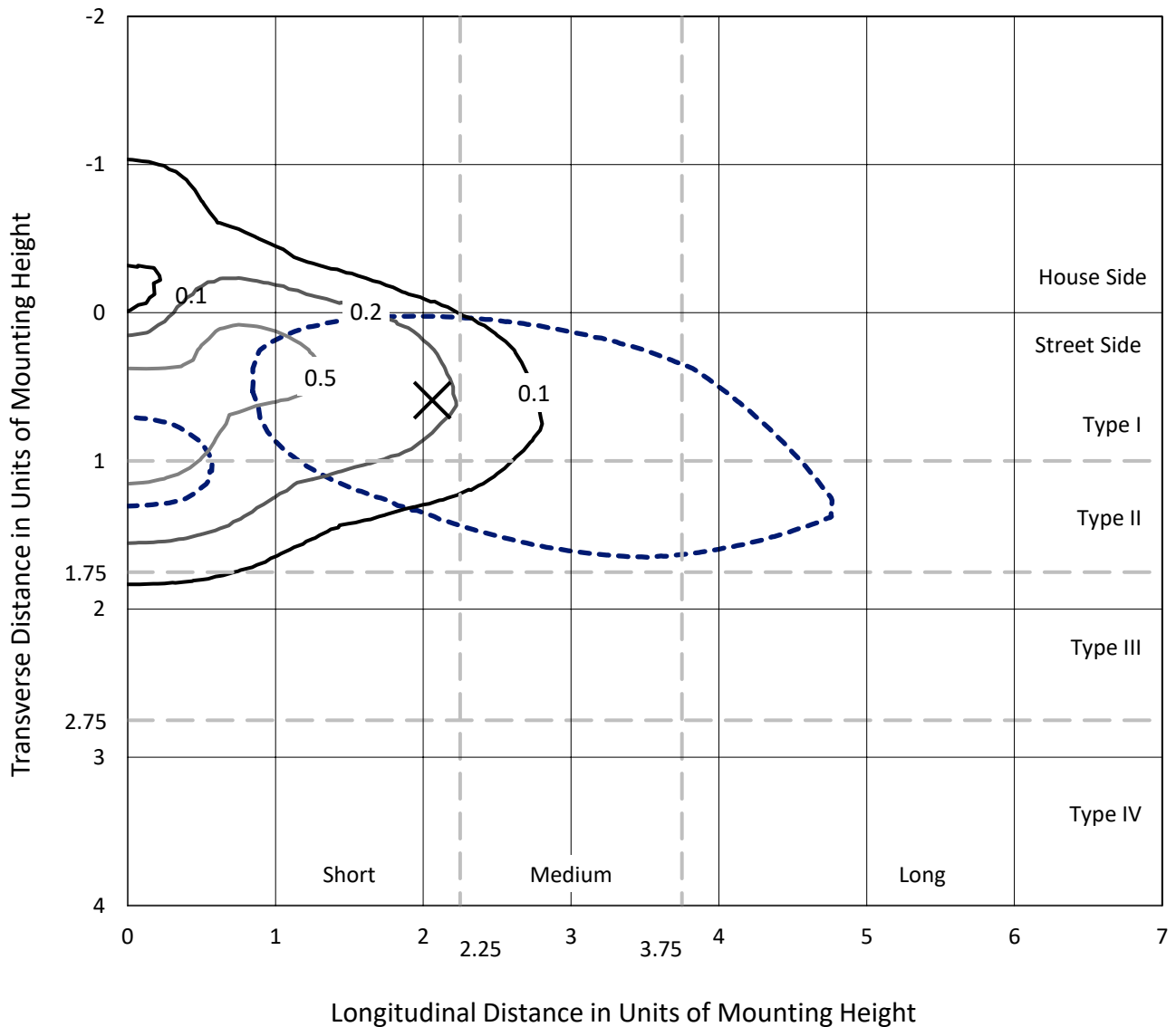
Input Watts (W): 21.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

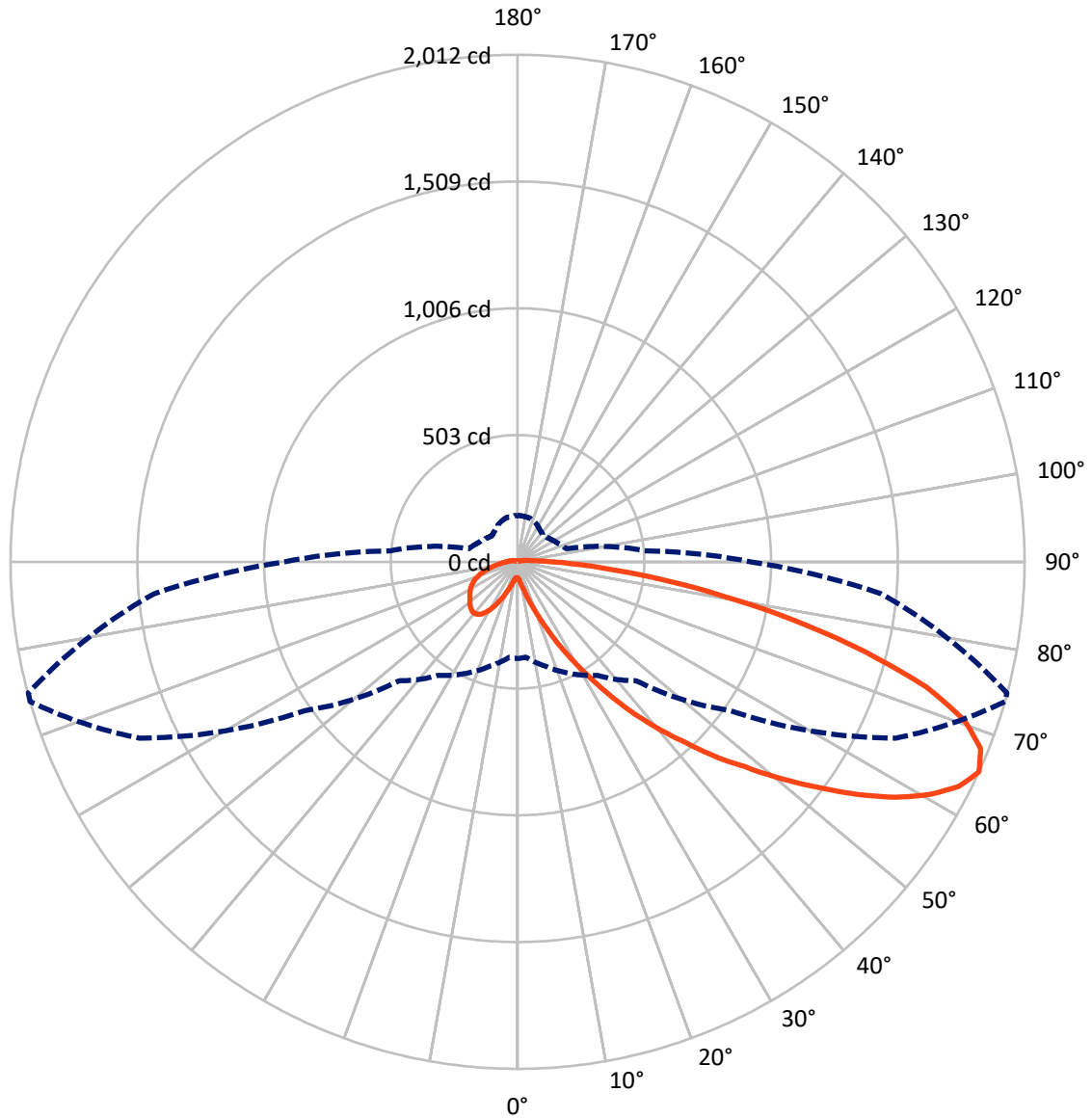
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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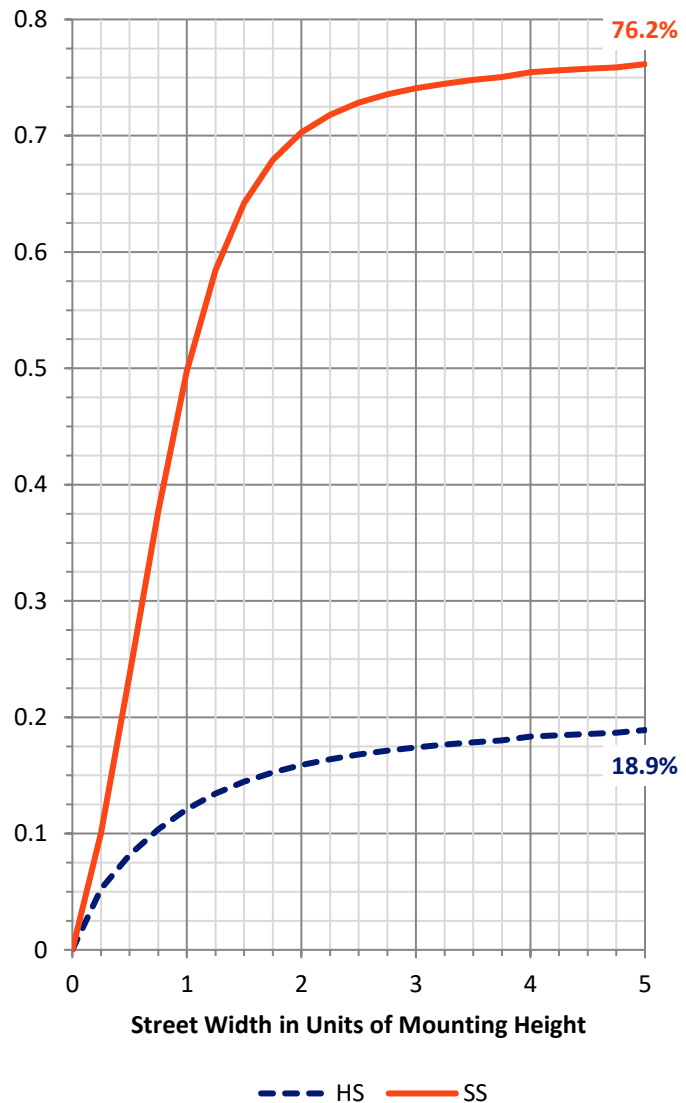
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	535.2	43.7	578.8
	% Fixture	19.8	1.6	21.5
<b>Street Side</b>	Lumens	2079.2	39.1	2118.2
	% Fixture	77.1	1.4	78.5
<b>Total</b>	Lumens	2614.4	82.7	2697.1
	% Fixture	96.9	3.1	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7.3	0.3
10°-20°	38.9	1.4
20°-30°	129.3	4.8
30°-40°	296.3	11.0
40°-50°	474.2	17.6
50°-60°	588.5	21.8
60°-70°	571.2	21.2
70°-80°	372.6	13.8
80°-90°	136.2	5.1
90°-100°	40.7	1.5
100°-110°	18.8	0.7
110°-120°	10.4	0.4
120°-130°	6.5	0.2
130°-140°	4.1	0.2
140°-150°	2.1	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2614.4	96.9
0°-180°	2697.1	100.0

**Coefficient of Utilization**

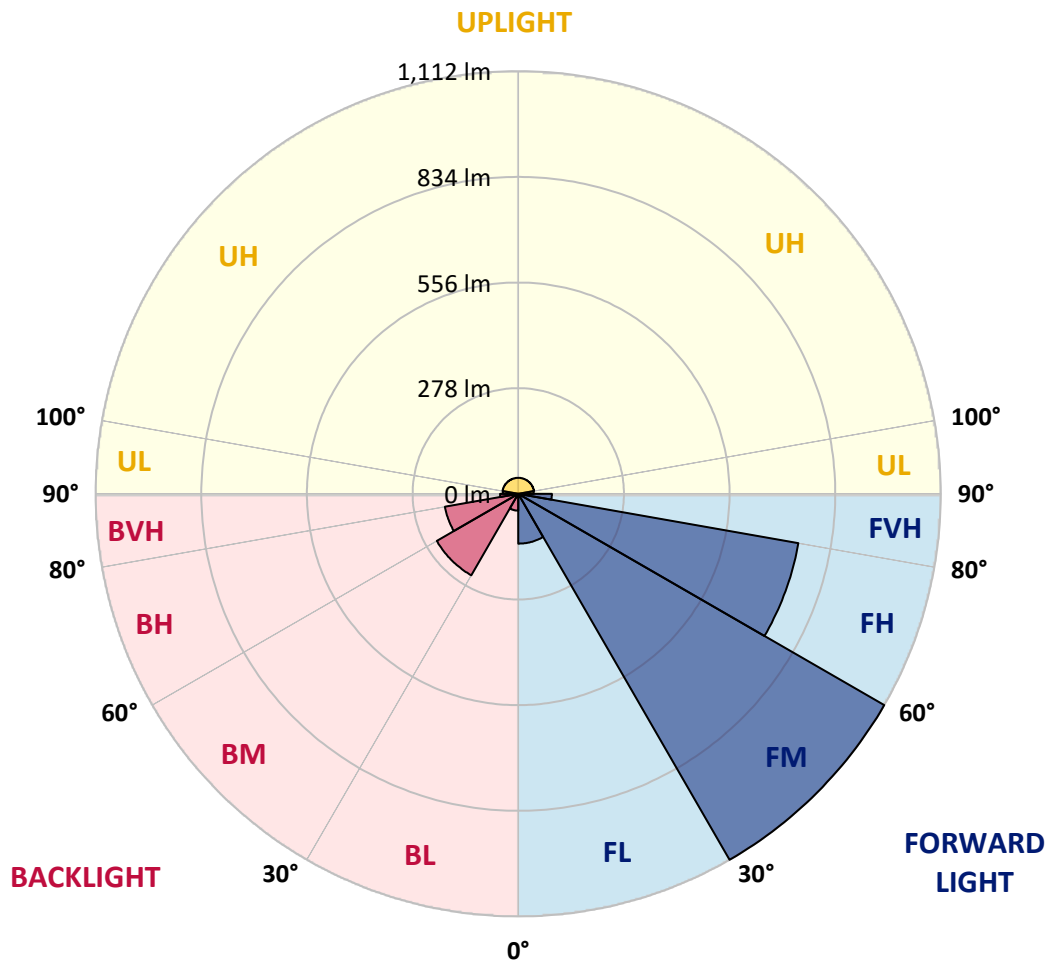


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	131.1	4.9			
FM (30°-60°)	1111.6	41.2			
FH (60°-80°)	748.1	27.7			G1/1800
FVH (80°-90°)	88.4	3.3			G1/100
BL (0°-30°)	44.3	1.6	B0/110		
BM (30°-60°)	247.4	9.2	B1/1000		
BH (60°-80°)	195.7	7.3	B1/500		G1/500
BVH (80°-90°)	47.8	1.8			G1/100
UL (90°-100°)	40.7	1.5		U2/50	
UH (100°-180°)	42.1	1.6		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°	74°	75°	85°
0°	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
2.5°	73.0	74.0	74.0	73.0	72.0	72.0	70.0	68.0	67.0	67.0	66.0
5°	89.0	90.0	90.0	88.0	85.0	84.0	80.0	77.0	74.0	74.0	70.0
7.5°	112.0	113.0	111.0	109.0	105.0	101.0	96.0	90.0	84.0	83.0	78.0
10°	139.0	142.0	140.0	135.0	129.0	124.0	116.0	106.0	100.0	98.0	89.0
12.5°	181.0	179.0	174.0	169.0	162.0	152.0	141.0	129.0	117.0	118.0	106.0
15°	224.0	228.0	221.0	212.0	198.0	187.0	172.0	159.0	146.0	144.0	128.0
17.5°	287.0	286.0	278.0	260.0	239.0	228.0	212.0	196.0	181.0	176.0	155.0
20°	360.9	359.9	343.9	320.9	301.0	279.0	257.0	240.0	222.0	218.0	191.0
22.5°	448.9	444.9	427.9	394.9	360.9	333.9	310.9	298.0	274.0	270.0	233.0
25°	550.9	541.9	522.9	478.9	426.9	395.9	374.9	359.9	336.9	331.9	284.0
27.5°	663.9	657.9	622.9	564.9	502.9	454.9	439.9	429.9	410.9	404.9	340.9
30°	769.9	771.9	733.9	660.9	581.9	523.9	512.9	513.9	488.9	483.9	407.9
32.5°	895.9	887.9	838.9	754.9	655.9	595.9	585.9	599.9	578.9	574.9	480.9
35°	995.8	1001.8	949.8	845.9	730.9	661.9	665.9	688.9	676.9	670.9	545.9
37.5°	1091.8	1086.8	1025.8	922.8	795.9	723.9	738.9	789.9	777.9	770.9	622.9
40°	1155.8	1149.8	1096.8	985.8	854.9	780.9	809.9	885.9	880.9	877.9	688.9
42.5°	1185.8	1177.8	1134.8	1029.8	897.9	825.9	882.9	983.8	982.8	979.8	764.9
45°	1178.8	1173.8	1140.8	1055.8	925.8	867.9	947.8	1085.8	1103.8	1089.8	834.9
47.5°	1147.8	1142.8	1119.8	1055.8	940.8	893.9	1005.8	1192.8	1215.8	1202.8	912.8
50°	1085.8	1083.8	1077.8	1030.8	938.8	914.8	1061.8	1289.8	1351.8	1338.8	1001.8
52.5°	998.8	997.8	1007.8	985.8	919.8	917.8	1105.8	1401.8	1484.8	1470.8	1088.8
55°	896.9	896.9	913.8	915.8	882.9	906.9	1139.8	1491.8	1627.7	1607.7	1183.8
57.5°	766.9	770.9	808.9	833.9	821.9	874.9	1151.8	1577.7	1762.7	1749.7	1281.8
60°	637.9	639.9	683.9	725.9	746.9	829.9	1140.8	1636.7	1875.7	1870.7	1360.8
62.5°	502.9	504.9	550.9	611.9	652.9	755.9	1099.8	1663.7	1963.7	1960.7	1418.8
65°	383.9	379.9	428.9	488.9	549.9	667.9	1028.8	1655.7	2011.7	2009.7	1446.8
67.5°	276.0	284.0	320.9	378.9	440.9	573.9	930.8	1577.7	1981.7	1983.7	1416.8
70°	200.0	213.0	239.0	283.0	346.9	471.9	812.9	1447.8	1879.7	1891.7	1331.8
72.5°	154.0	155.0	176.0	211.0	262.0	373.9	672.9	1270.8	1694.7	1698.7	1184.8
75°	120.0	123.0	137.0	162.0	201.0	290.0	545.9	1051.8	1420.8	1443.8	1004.8
77.5°	98.0	99.0	110.0	125.0	154.0	219.0	407.9	829.9	1129.8	1131.8	783.9
80°	77.0	81.0	90.0	100.0	120.0	164.0	300.0	607.9	830.9	817.9	554.9
82.5°	59.0	62.0	69.0	80.0	91.0	123.0	215.0	428.9	570.9	560.9	379.9
85°	44.0	46.0	53.0	62.0	72.0	94.0	150.0	277.0	353.9	342.9	231.0
87.5°	31.0	32.0	38.0	46.0	55.0	71.0	104.0	170.0	213.0	209.0	143.0
90°	21.0	22.0	27.0	34.0	43.0	55.0	75.0	106.0	124.0	124.0	91.0
92.5°	15.0	16.0	20.0	26.0	34.0	44.0	55.0	69.0	76.0	75.0	62.0
95°	12.0	12.0	16.0	21.0	28.0	36.0	42.0	47.0	51.0	51.0	47.0
97.5°	10.0	10.0	14.0	18.0	24.0	30.0	34.0	35.0	37.0	37.0	35.0
100°	9.0	9.0	12.0	16.0	20.0	25.0	28.0	27.0	28.0	29.0	27.0
102.5°	8.0	8.0	11.0	14.0	18.0	22.0	23.0	22.0	22.0	22.0	21.0
105°	7.0	7.0	10.0	13.0	16.0	19.0	20.0	18.0	17.0	17.0	17.0
107.5°	6.0	6.0	9.0	11.0	14.0	17.0	17.0	16.0	14.0	14.0	13.0
110°	6.0	6.0	8.0	10.0	13.0	15.0	15.0	13.0	11.0	11.0	11.0

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
112.5°	5.0	5.0	7.0	10.0	12.0	13.0	13.0	11.0	10.0	9.0	9.0
115°	5.0	5.0	7.0	9.0	11.0	12.0	12.0	10.0	8.0	8.0	8.0
117.5°	5.0	5.0	6.0	8.0	10.0	11.0	10.0	9.0	7.0	7.0	7.0
120°	5.0	5.0	6.0	7.0	9.0	10.0	10.0	8.0	6.0	6.0	7.0
122.5°	5.0	5.0	6.0	7.0	8.0	9.0	9.0	7.0	6.0	6.0	6.0
125°	5.0	5.0	6.0	7.0	8.0	9.0	8.0	7.0	5.0	5.0	6.0
127.5°	5.0	5.0	6.0	6.0	7.0	8.0	7.0	6.0	5.0	5.0	6.0
130°	5.0	5.0	6.0	6.0	7.0	7.0	7.0	5.0	5.0	5.0	5.0
132.5°	6.0	6.0	6.0	6.0	6.0	7.0	6.0	5.0	4.0	4.0	5.0
135°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	5.0	4.0	4.0	5.0
137.5°	5.0	6.0	5.0	5.0	5.0	6.0	5.0	4.0	4.0	4.0	4.0
140°	5.0	5.0	5.0	5.0	5.0	5.0	4.0	3.0	4.0	4.0	4.0
142.5°	5.0	5.0	5.0	4.0	4.0	4.0	4.0	3.0	3.0	3.0	4.0
145°	4.0	4.0	4.0	4.0	4.0	4.0	3.0	3.0	3.0	3.0	3.0
147.5°	4.0	4.0	4.0	3.0	3.0	3.0	2.0	2.0	2.0	2.0	3.0
150°	3.0	3.0	3.0	3.0	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°	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
2.5°	65.0	64.0	63.0	62.0	60.0	59.0	59.0	58.0	58.0	58.0	58.0
5°	68.0	67.0	64.0	61.0	58.0	56.0	54.0	54.0	53.0	52.0	52.0
7.5°	75.0	72.0	67.0	62.0	59.0	55.0	53.0	51.0	50.0	50.0	50.0
10°	85.0	81.0	73.0	66.0	61.0	56.0	53.0	51.0	50.0	49.0	49.0
12.5°	99.0	94.0	82.0	73.0	64.0	59.0	55.0	53.0	52.0	52.0	52.0
15°	119.0	111.0	96.0	81.0	71.0	62.0	60.0	60.0	61.0	61.0	61.0
17.5°	145.0	133.0	110.0	91.0	78.0	70.0	67.0	68.0	70.0	70.0	70.0
20°	173.0	159.0	128.0	104.0	87.0	80.0	76.0	78.0	81.0	83.0	83.0
22.5°	212.0	192.0	150.0	118.0	98.0	89.0	87.0	89.0	94.0	96.0	96.0
25°	257.0	227.0	173.0	133.0	110.0	100.0	98.0	101.0	107.0	112.0	112.0
27.5°	303.9	266.0	198.0	148.0	121.0	109.0	108.0	113.0	121.0	126.0	127.0
30°	357.9	305.9	221.0	163.0	132.0	118.0	118.0	126.0	135.0	142.0	143.0
32.5°	410.9	347.9	241.0	176.0	142.0	126.0	127.0	137.0	149.0	155.0	157.0
35°	464.9	383.9	259.0	187.0	149.0	133.0	135.0	148.0	160.0	167.0	167.0
37.5°	516.9	416.9	268.0	193.0	155.0	138.0	142.0	157.0	169.0	175.0	176.0
40°	566.9	441.9	274.0	197.0	159.0	143.0	147.0	163.0	176.0	182.0	182.0
42.5°	610.9	462.9	275.0	198.0	162.0	146.0	152.0	168.0	180.0	184.0	185.0
45°	655.9	480.9	270.0	196.0	164.0	149.0	154.0	171.0	182.0	185.0	186.0
47.5°	696.9	495.9	264.0	194.0	165.0	150.0	156.0	173.0	183.0	184.0	185.0
50°	744.9	507.9	255.0	191.0	166.0	151.0	157.0	173.0	183.0	183.0	183.0
52.5°	790.9	517.9	246.0	188.0	166.0	151.0	157.0	174.0	183.0	182.0	182.0
55°	840.9	526.9	237.0	186.0	165.0	151.0	157.0	174.0	182.0	181.0	182.0
57.5°	879.9	530.9	230.0	184.0	165.0	150.0	156.0	173.0	181.0	181.0	181.0
60°	913.8	529.9	221.0	182.0	164.0	149.0	156.0	172.0	181.0	181.0	181.0
62.5°	933.8	520.9	212.0	180.0	162.0	147.0	155.0	172.0	181.0	182.0	182.0
65°	925.8	504.9	200.0	175.0	158.0	145.0	154.0	170.0	180.0	183.0	184.0
67.5°	891.9	468.9	187.0	168.0	154.0	143.0	153.0	168.0	178.0	183.0	183.0
70°	820.9	423.9	170.0	158.0	147.0	140.0	150.0	165.0	174.0	180.0	180.0
72.5°	721.9	365.9	154.0	145.0	139.0	135.0	147.0	160.0	168.0	173.0	173.0
75°	599.9	303.9	135.0	130.0	129.0	128.0	141.0	153.0	158.0	162.0	162.0
77.5°	468.9	245.0	115.0	115.0	115.0	119.0	133.0	141.0	145.0	149.0	149.0
80°	342.9	187.0	97.0	98.0	101.0	109.0	121.0	127.0	129.0	133.0	131.0
82.5°	234.0	136.0	81.0	81.0	87.0	96.0	108.0	111.0	112.0	115.0	112.0
85°	154.0	98.0	67.0	67.0	73.0	82.0	91.0	93.0	93.0	95.0	92.0
87.5°	100.0	72.0	55.0	55.0	59.0	68.0	75.0	75.0	75.0	77.0	74.0
90°	71.0	55.0	46.0	45.0	48.0	55.0	60.0	59.0	59.0	60.0	58.0
92.5°	52.0	45.0	39.0	38.0	40.0	45.0	48.0	47.0	48.0	47.0	46.0
95°	41.0	37.0	34.0	33.0	34.0	37.0	39.0	38.0	38.0	37.0	36.0
97.5°	33.0	31.0	30.0	29.0	29.0	30.0	32.0	31.0	32.0	30.0	29.0
100°	27.0	26.0	26.0	26.0	25.0	26.0	27.0	27.0	27.0	25.0	25.0
102.5°	21.0	22.0	23.0	23.0	22.0	23.0	23.0	23.0	23.0	21.0	21.0
105°	17.0	18.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	18.0	18.0
107.5°	14.0	15.0	17.0	18.0	17.0	17.0	18.0	18.0	17.0	16.0	16.0
110°	12.0	13.0	14.0	15.0	15.0	15.0	16.0	16.0	15.0	14.0	13.0

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 CATALOG NUMBER: LXF.LXT-PA16-20-740-U-T2R-TL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	10.0	11.0	13.0	13.0	14.0	14.0	14.0	14.0	13.0	12.0	12.0
115°	9.0	10.0	11.0	12.0	12.0	12.0	13.0	12.0	11.0	11.0	11.0
117.5°	8.0	9.0	10.0	11.0	11.0	11.0	11.0	11.0	10.0	10.0	10.0
120°	7.0	8.0	9.0	10.0	10.0	10.0	10.0	10.0	9.0	9.0	9.0
122.5°	7.0	7.0	8.0	9.0	9.0	9.0	9.0	9.0	8.0	8.0	8.0
125°	6.0	7.0	8.0	8.0	8.0	8.0	8.0	8.0	7.0	7.0	8.0
127.5°	6.0	6.0	7.0	7.0	8.0	8.0	7.0	7.0	7.0	7.0	7.0
130°	6.0	6.0	6.0	7.0	7.0	7.0	7.0	6.0	6.0	6.0	6.0
132.5°	5.0	6.0	6.0	6.0	6.0	6.0	6.0	5.0	5.0	6.0	6.0
135°	5.0	5.0	5.0	6.0	6.0	5.0	5.0	5.0	5.0	5.0	5.0
137.5°	5.0	5.0	5.0	5.0	5.0	5.0	4.0	4.0	4.0	5.0	5.0
140°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
142.5°	4.0	4.0	4.0	4.0	4.0	3.0	3.0	3.0	4.0	4.0	4.0
145°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
147.5°	3.0	3.0	3.0	3.0	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	3.0	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

(END OF REPORT)