

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: P694631

Luminaire Tested: **LXF.LXT-PA16-20-750-U-T3-A**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P694631  
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-PA16-20-750-U-T3-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 420mA 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: 2759.9 lumens  
Efficiency: N/A  
Efficacy: 126.6 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

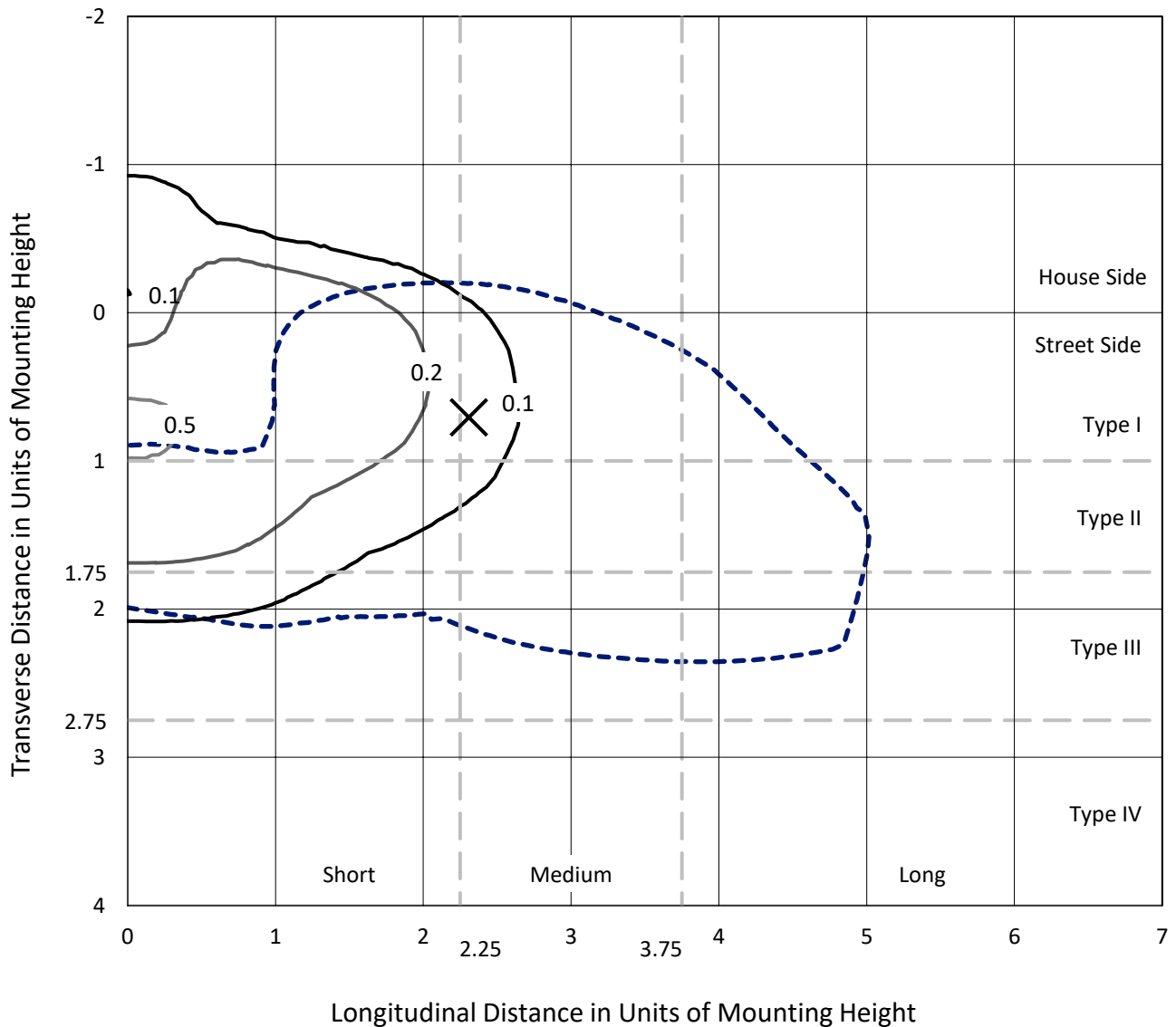
Input Watts (W): 21.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

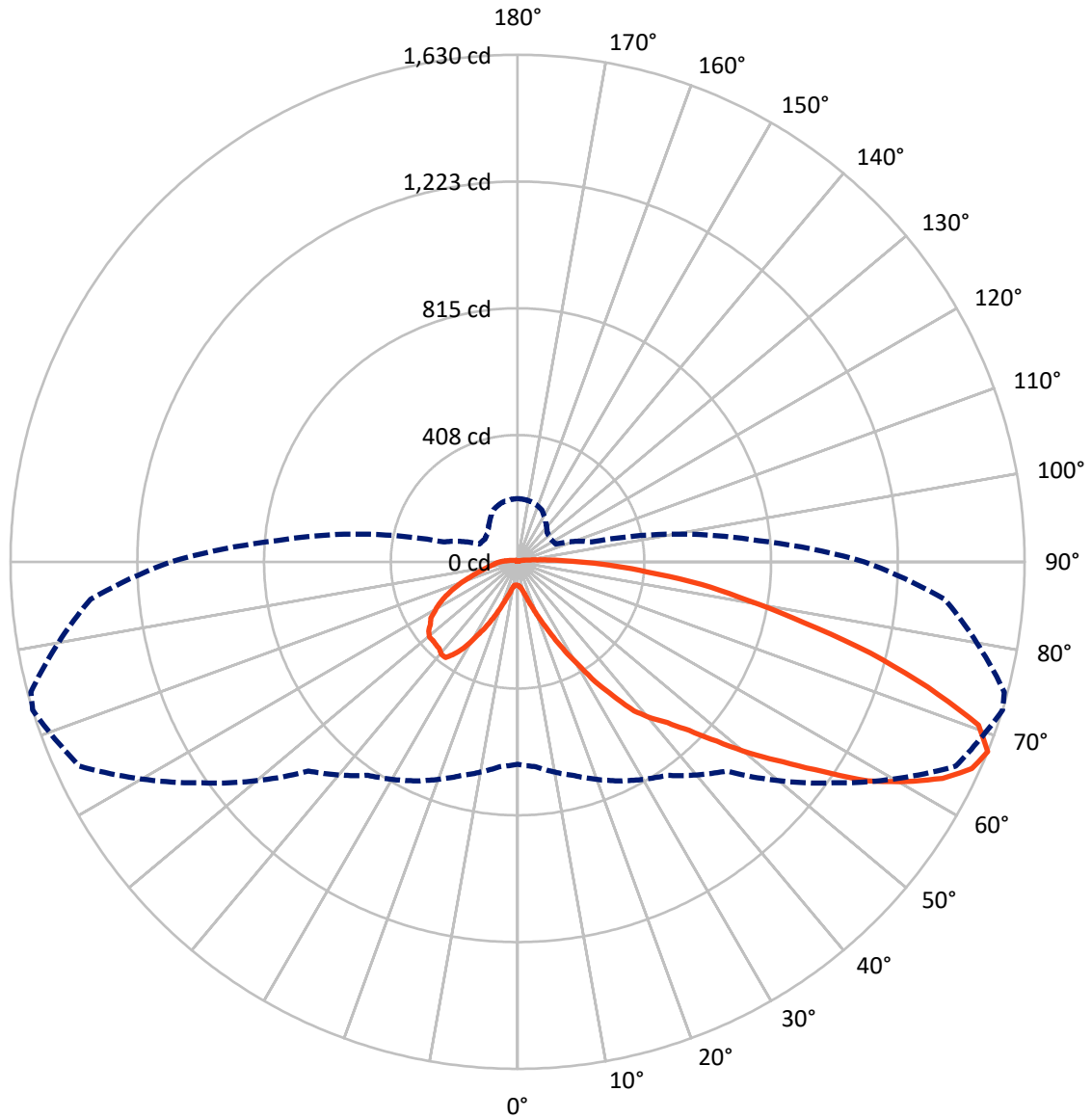
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 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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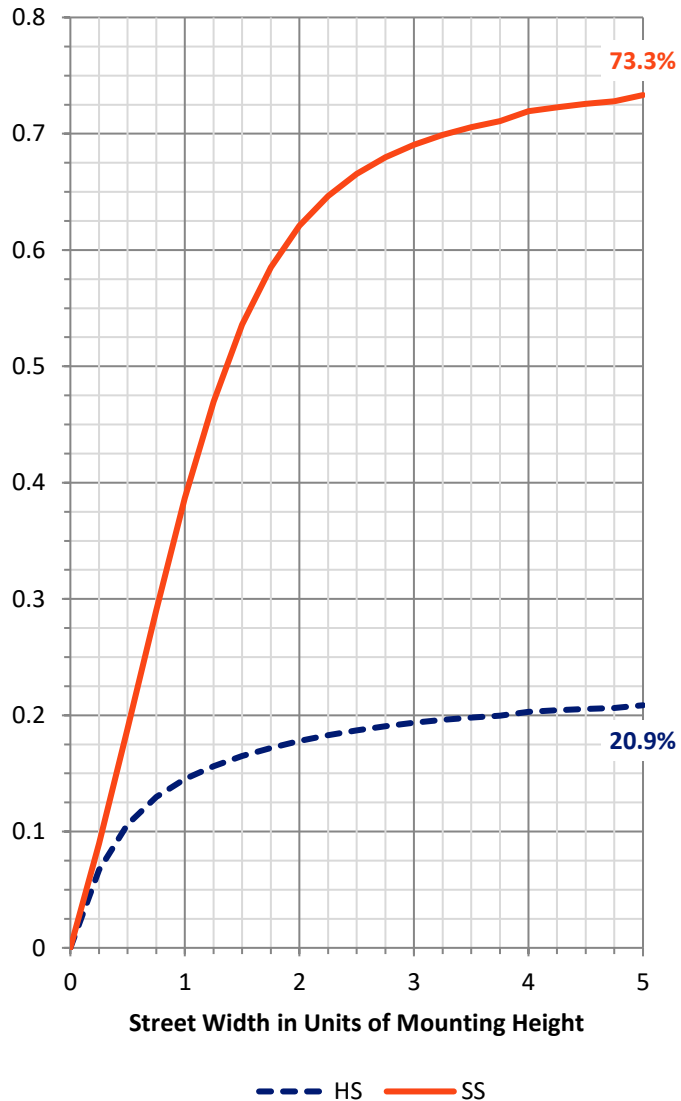
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	603.9	45.1	649.1
	% Fixture	21.9	1.6	23.5
<b>Street Side</b>	Lumens	2064.6	46.2	2110.9
	% Fixture	74.8	1.7	76.5
<b>Total</b>	Lumens	2668.6	91.3	2759.9
	% Fixture	96.7	3.3	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7.7	0.3
10°-20°	33.9	1.2
20°-30°	104.4	3.8
30°-40°	240.4	8.7
40°-50°	389.5	14.1
50°-60°	577.8	20.9
60°-70°	672.8	24.4
70°-80°	462.1	16.7
80°-90°	180.0	6.5
90°-100°	51.1	1.9
100°-110°	18.7	0.7
110°-120°	9.6	0.3
120°-130°	6.0	0.2
130°-140°	4.0	0.1
140°-150°	1.9	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2668.6	96.7
0°-180°	2759.9	100.0

**Coefficient of Utilization**

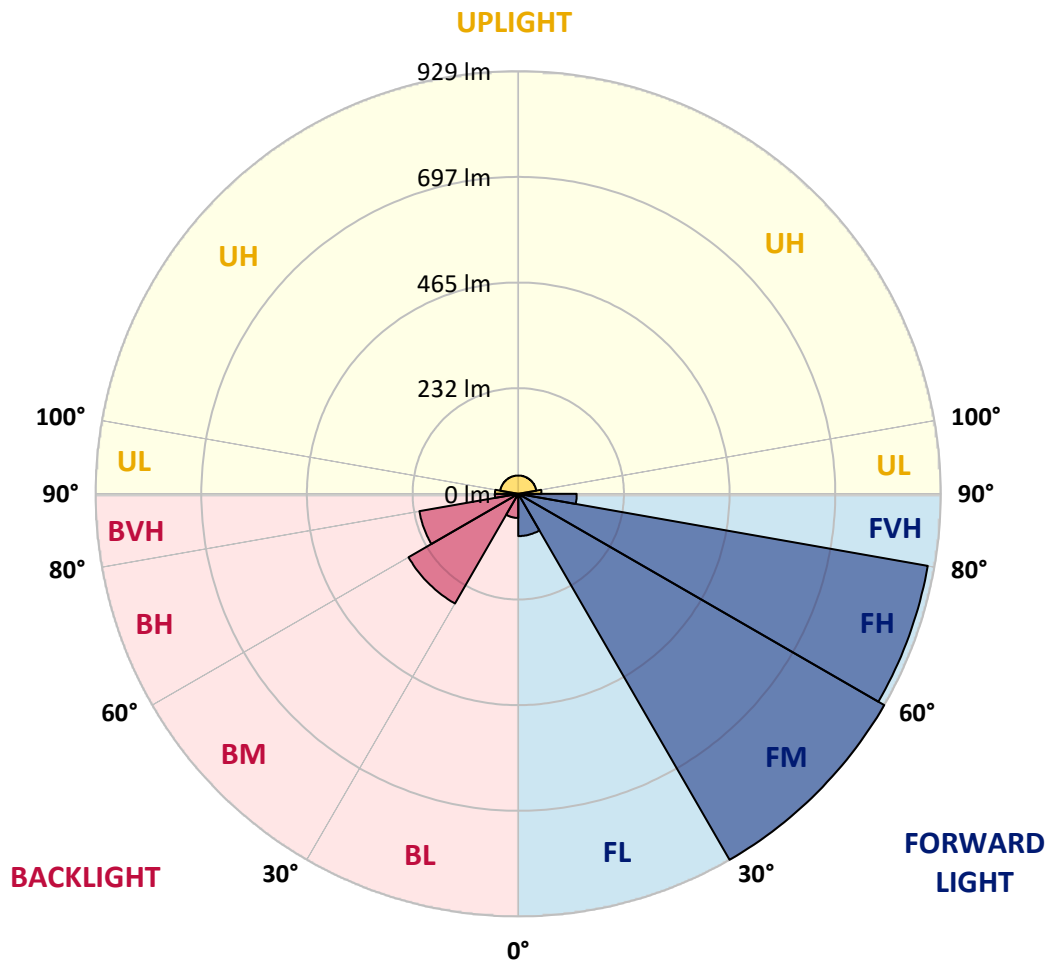


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	92.9	3.4			
FM (30°-60°)	929.1	33.7			
FH (60°-80°)	914.2	33.1			G1/1800
FVH (80°-90°)	128.4	4.7			G2/225
BL (0°-30°)	53.1	1.9	B0/110		
BM (30°-60°)	278.5	10.1	B1/1000		
BH (60°-80°)	220.7	8.0	B1/500		G1/500
BVH (80°-90°)	51.6	1.9			G1/100
UL (90°-100°)	51.1	1.9		U3/500	
UH (100°-180°)	40.3	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°	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
2.5°	80.0	81.0	81.0	81.0	81.0	80.0	79.0	78.0	78.0	77.0	76.0
5°	90.0	90.0	89.0	89.0	88.0	87.0	85.0	83.0	81.0	81.0	79.0
7.5°	99.0	100.0	100.0	98.0	97.0	95.0	92.0	89.0	87.0	86.0	83.0
10°	113.0	114.0	113.0	111.0	109.0	106.0	102.0	99.0	96.0	94.0	91.0
12.5°	132.0	132.0	131.0	127.0	123.0	120.0	116.0	113.0	109.0	109.0	105.0
15°	155.0	156.0	153.0	150.0	144.0	139.0	134.0	132.0	130.0	130.0	125.0
17.5°	184.0	185.0	181.0	173.0	166.0	162.0	159.0	156.0	154.0	154.0	149.0
20°	227.0	221.0	220.0	203.0	195.0	189.0	187.0	185.0	186.0	184.0	181.0
22.5°	275.0	271.0	265.0	245.0	230.0	221.0	218.0	219.0	222.0	222.0	221.0
25°	332.0	333.0	318.0	293.0	270.0	257.0	256.0	266.0	269.0	271.0	270.0
27.5°	397.0	401.0	377.0	350.0	318.0	296.0	298.0	315.0	325.0	326.0	325.0
30°	481.1	483.1	453.1	411.0	366.0	341.0	347.0	371.0	382.0	386.0	388.0
32.5°	577.1	577.1	543.1	488.1	421.1	386.0	392.0	434.1	460.1	459.1	465.1
35°	669.1	662.1	633.1	563.1	482.1	434.1	449.1	497.1	529.1	535.1	532.1
37.5°	733.1	738.1	711.1	643.1	544.1	484.1	505.1	566.1	608.1	608.1	600.1
40°	775.1	781.1	756.1	698.1	605.1	539.1	562.1	628.1	660.1	662.1	633.1
42.5°	820.1	825.1	808.1	748.1	656.1	591.1	612.1	675.1	707.1	706.1	676.1
45°	870.1	877.1	869.1	808.1	707.1	640.1	658.1	731.1	773.1	780.1	741.1
47.5°	931.1	936.1	927.1	867.1	764.1	690.1	718.1	807.1	862.1	863.1	818.1
50°	965.1	975.1	989.1	942.1	829.1	746.1	789.1	903.1	967.1	979.1	919.1
52.5°	986.1	997.1	1020.1	1010.1	911.1	820.1	884.1	1013.1	1068.1	1085.1	998.1
55°	1021.1	1033.1	1058.1	1044.1	975.1	905.1	973.1	1125.1	1189.1	1197.1	1120.1
57.5°	972.1	984.1	1052.1	1079.1	1019.1	979.1	1068.1	1250.1	1329.2	1341.2	1234.1
60°	928.1	936.1	981.1	1058.1	1045.1	1032.1	1170.1	1370.2	1435.2	1439.2	1302.2
62.5°	846.1	864.1	916.1	979.1	1014.1	1051.1	1244.1	1465.2	1533.2	1540.2	1369.2
65°	732.1	745.1	803.1	893.1	935.1	1020.1	1275.2	1542.2	1604.2	1600.2	1402.2
67.5°	651.1	661.1	712.1	777.1	838.1	951.1	1239.1	1554.2	1630.2	1620.2	1378.2
70°	511.1	523.1	581.1	683.1	731.1	843.1	1154.1	1506.2	1572.2	1563.2	1269.2
72.5°	407.0	418.0	473.1	559.1	640.1	730.1	1041.1	1353.2	1379.2	1356.2	1069.1
75°	298.0	313.0	350.0	428.1	525.1	631.1	877.1	1150.1	1171.1	1149.1	868.1
77.5°	206.0	207.0	240.0	314.0	398.0	532.1	728.1	955.1	941.1	918.1	664.1
80°	132.0	134.0	155.0	203.0	289.0	402.0	588.1	761.1	748.1	738.1	509.1
82.5°	85.0	82.0	100.0	133.0	196.0	292.0	457.1	610.1	596.1	572.1	385.0
85°	54.0	56.0	66.0	87.0	134.0	213.0	341.0	437.1	419.1	397.0	263.0
87.5°	41.0	42.0	48.0	62.0	91.0	150.0	233.0	304.0	292.0	271.0	177.0
90°	31.0	32.0	36.0	45.0	63.0	102.0	155.0	191.0	177.0	166.0	114.0
92.5°	22.0	23.0	27.0	34.0	47.0	71.0	100.0	112.0	104.0	100.0	74.0
95°	16.0	17.0	20.0	25.0	35.0	49.0	63.0	68.0	63.0	61.0	52.0
97.5°	13.0	14.0	15.0	19.0	27.0	36.0	43.0	44.0	43.0	41.0	39.0
100°	11.0	11.0	13.0	15.0	21.0	29.0	32.0	32.0	32.0	32.0	30.0
102.5°	9.0	9.0	11.0	13.0	17.0	23.0	25.0	25.0	24.0	25.0	24.0
105°	8.0	8.0	9.0	11.0	15.0	19.0	20.0	19.0	19.0	19.0	19.0
107.5°	7.0	7.0	8.0	10.0	13.0	16.0	17.0	16.0	15.0	15.0	16.0
110°	6.0	6.0	7.0	8.0	11.0	14.0	14.0	12.0	12.0	12.0	13.0

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
112.5°	6.0	6.0	7.0	8.0	10.0	12.0	11.0	10.0	10.0	10.0	11.0
115°	6.0	6.0	6.0	7.0	9.0	10.0	10.0	9.0	8.0	9.0	10.0
117.5°	6.0	6.0	6.0	7.0	8.0	9.0	9.0	8.0	7.0	8.0	9.0
120°	6.0	6.0	6.0	7.0	8.0	8.0	8.0	7.0	7.0	7.0	8.0
122.5°	5.0	5.0	6.0	6.0	7.0	7.0	7.0	6.0	6.0	6.0	8.0
125°	5.0	5.0	6.0	6.0	7.0	7.0	6.0	6.0	6.0	6.0	7.0
127.5°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	5.0	6.0	6.0	7.0
130°	6.0	6.0	6.0	6.0	6.0	6.0	5.0	5.0	6.0	6.0	7.0
132.5°	6.0	6.0	6.0	6.0	6.0	5.0	5.0	5.0	5.0	6.0	6.0
135°	6.0	6.0	6.0	6.0	5.0	5.0	4.0	5.0	5.0	5.0	6.0
137.5°	5.0	5.0	5.0	5.0	5.0	4.0	4.0	4.0	4.0	5.0	5.0
140°	5.0	4.0	4.0	4.0	4.0	4.0	3.0	3.0	4.0	4.0	5.0
142.5°	4.0	4.0	4.0	4.0	3.0	3.0	3.0	3.0	3.0	4.0	4.0
145°	3.0	3.0	3.0	3.0	3.0	2.0	2.0	2.0	3.0	3.0	3.0
147.5°	3.0	2.0	3.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0
150°	2.0	2.0	2.0	2.0	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°	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
2.5°	76.0	75.0	75.0	74.0	73.0	73.0	72.0	72.0	72.0	72.0	71.0
5°	78.0	77.0	75.0	73.0	71.0	70.0	69.0	68.0	67.0	67.0	67.0
7.5°	81.0	80.0	77.0	74.0	71.0	68.0	66.0	65.0	64.0	63.0	63.0
10°	89.0	86.0	81.0	76.0	72.0	68.0	65.0	63.0	62.0	61.0	61.0
12.5°	100.0	99.0	91.0	83.0	76.0	70.0	66.0	65.0	64.0	64.0	63.0
15°	121.0	117.0	108.0	95.0	84.0	75.0	72.0	71.0	73.0	73.0	74.0
17.5°	144.0	139.0	127.0	111.0	96.0	86.0	82.0	83.0	85.0	87.0	87.0
20°	174.0	169.0	153.0	130.0	112.0	100.0	95.0	95.0	99.0	102.0	102.0
22.5°	215.0	206.0	183.0	152.0	128.0	114.0	107.0	106.0	111.0	114.0	114.0
25°	263.0	250.0	220.0	179.0	145.0	125.0	117.0	118.0	124.0	129.0	129.0
27.5°	313.0	299.0	257.0	204.0	161.0	133.0	126.0	130.0	138.0	143.0	144.0
30°	374.0	355.0	296.0	229.0	173.0	140.0	133.0	139.0	149.0	156.0	157.0
32.5°	443.1	419.1	345.0	254.0	182.0	144.0	137.0	149.0	161.0	171.0	171.0
35°	509.1	477.1	381.0	273.0	187.0	145.0	141.0	156.0	170.0	179.0	179.0
37.5°	568.1	527.1	411.0	283.0	187.0	145.0	142.0	159.0	172.0	178.0	177.0
40°	591.1	542.1	412.0	278.0	184.0	143.0	141.0	157.0	167.0	169.0	167.0
42.5°	626.1	566.1	405.0	261.0	174.0	140.0	138.0	150.0	156.0	156.0	154.0
45°	680.1	603.1	406.0	244.0	163.0	134.0	133.0	144.0	151.0	153.0	151.0
47.5°	746.1	649.1	407.0	229.0	153.0	129.0	130.0	143.0	150.0	148.0	147.0
50°	833.1	710.1	412.0	215.0	147.0	125.0	130.0	144.0	149.0	145.0	143.0
52.5°	897.1	746.1	403.0	202.0	143.0	124.0	132.0	146.0	149.0	143.0	143.0
55°	991.1	796.1	384.0	185.0	139.0	125.0	134.0	148.0	149.0	144.0	143.0
57.5°	1074.1	841.1	373.0	170.0	135.0	127.0	137.0	151.0	153.0	150.0	149.0
60°	1112.1	852.1	344.0	160.0	132.0	129.0	141.0	156.0	163.0	161.0	162.0
62.5°	1158.1	854.1	316.0	151.0	131.0	131.0	146.0	166.0	175.0	175.0	176.0
65°	1155.1	828.1	283.0	143.0	130.0	133.0	152.0	175.0	186.0	189.0	190.0
67.5°	1115.1	777.1	247.0	135.0	128.0	134.0	157.0	184.0	197.0	202.0	203.0
70°	991.1	682.1	211.0	128.0	124.0	132.0	158.0	189.0	202.0	207.0	208.0
72.5°	813.1	541.1	172.0	118.0	117.0	126.0	154.0	186.0	196.0	198.0	200.0
75°	649.1	429.1	143.0	107.0	107.0	116.0	143.0	171.0	178.0	180.0	177.0
77.5°	486.1	325.0	119.0	97.0	97.0	106.0	129.0	151.0	157.0	156.0	157.0
80°	368.0	246.0	101.0	87.0	87.0	94.0	115.0	134.0	139.0	137.0	136.0
82.5°	276.0	184.0	88.0	78.0	78.0	84.0	100.0	116.0	120.0	120.0	117.0
85°	189.0	132.0	77.0	69.0	69.0	74.0	86.0	98.0	104.0	103.0	101.0
87.5°	132.0	100.0	68.0	62.0	61.0	65.0	74.0	85.0	92.0	93.0	91.0
90°	91.0	75.0	59.0	53.0	53.0	56.0	64.0	73.0	80.0	81.0	79.0
92.5°	64.0	57.0	49.0	45.0	44.0	48.0	53.0	59.0	63.0	63.0	64.0
95°	47.0	44.0	39.0	35.0	35.0	39.0	42.0	43.0	46.0	46.0	45.0
97.5°	36.0	35.0	32.0	28.0	27.0	31.0	32.0	33.0	35.0	34.0	33.0
100°	30.0	29.0	26.0	23.0	22.0	25.0	26.0	27.0	29.0	27.0	27.0
102.5°	24.0	24.0	22.0	19.0	19.0	21.0	22.0	23.0	24.0	23.0	22.0
105°	20.0	20.0	19.0	17.0	16.0	18.0	19.0	19.0	20.0	19.0	19.0
107.5°	16.0	17.0	16.0	14.0	14.0	15.0	16.0	16.0	16.0	16.0	16.0
110°	14.0	14.0	14.0	12.0	13.0	14.0	14.0	14.0	14.0	14.0	14.0

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 CATALOG NUMBER: LXF.LXT-PA16-20-750-U-T3-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	12.0	12.0	12.0	11.0	11.0	12.0	12.0	12.0	12.0	12.0	12.0
115°	11.0	11.0	11.0	10.0	10.0	11.0	10.0	10.0	10.0	11.0	11.0
117.5°	10.0	10.0	10.0	9.0	9.0	9.0	9.0	9.0	9.0	10.0	10.0
120°	9.0	9.0	9.0	8.0	8.0	8.0	8.0	8.0	8.0	9.0	9.0
122.5°	8.0	8.0	8.0	8.0	7.0	8.0	7.0	7.0	7.0	8.0	8.0
125°	7.0	8.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	8.0
127.5°	7.0	7.0	7.0	7.0	6.0	6.0	6.0	6.0	6.0	7.0	7.0
130°	7.0	7.0	7.0	6.0	6.0	6.0	5.0	5.0	6.0	6.0	7.0
132.5°	7.0	7.0	6.0	6.0	5.0	5.0	5.0	5.0	6.0	6.0	6.0
135°	6.0	6.0	6.0	5.0	5.0	5.0	4.0	5.0	5.0	6.0	6.0
137.5°	5.0	5.0	5.0	5.0	4.0	4.0	4.0	4.0	5.0	5.0	5.0
140°	5.0	5.0	4.0	4.0	4.0	3.0	3.0	4.0	4.0	5.0	5.0
142.5°	4.0	4.0	4.0	3.0	3.0	3.0	3.0	3.0	4.0	4.0	4.0
145°	3.0	3.0	3.0	3.0	2.0	2.0	3.0	3.0	3.0	4.0	4.0
147.5°	3.0	3.0	3.0	2.0	2.0	2.0	2.0	3.0	3.0	3.0	3.0
150°	2.0	2.0	2.0	2.0	1.0	1.0	2.0	2.0	3.0	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)