

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: P414232

Luminaire Tested: **LXF.LXT-PA1-20-730-U-T4W-CL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414232  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-20-730-U-T4W-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2470 lumens  
Efficiency: N/A  
Efficacy: 117.6 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type IV - Medium - Non-Cutoff  
BUG Rating: B1 - U2 - G1

Input Watts (W): 21  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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: 28.75 FT

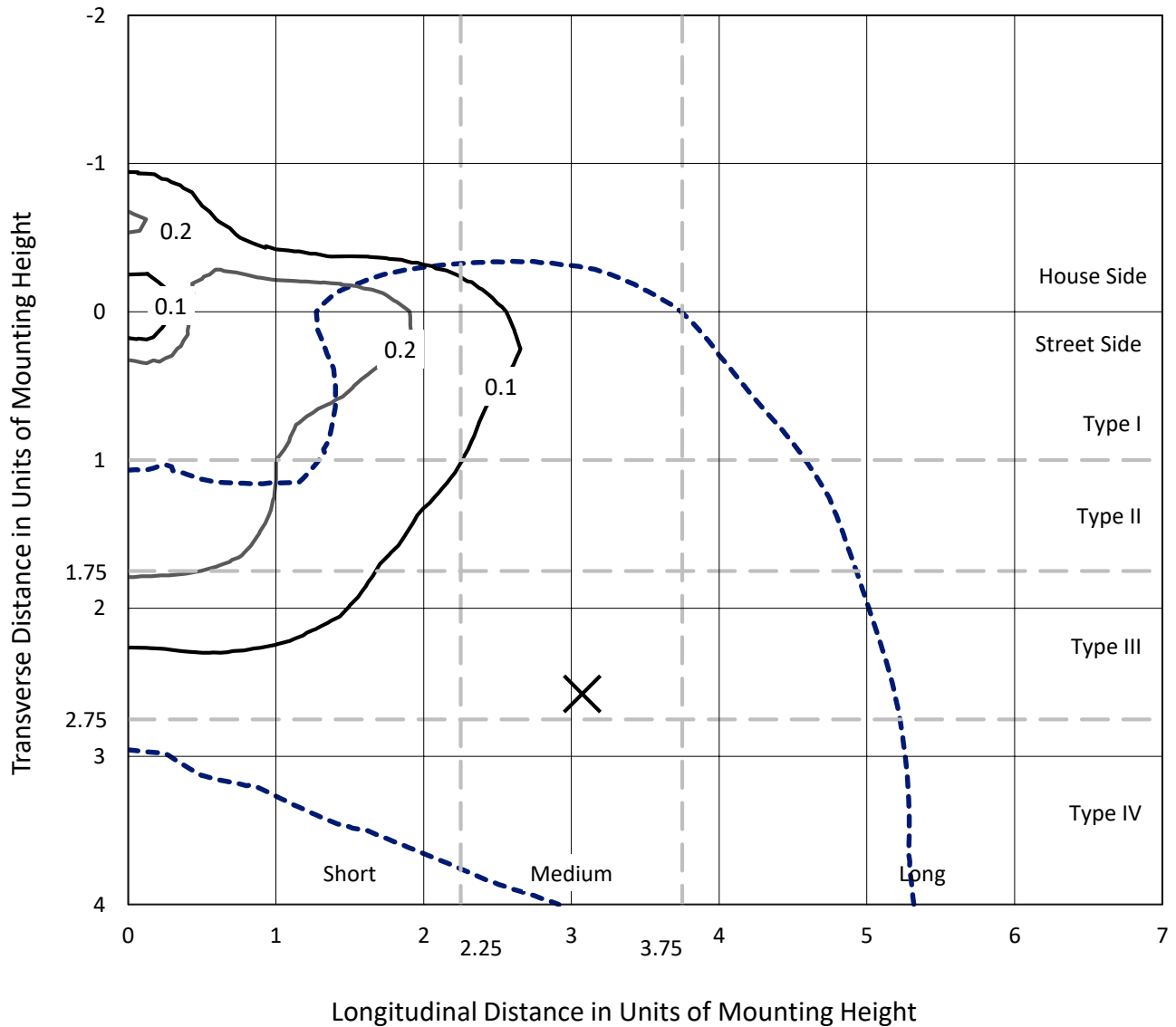


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### Iso-Footcandle Lines of Horizontal Illumination

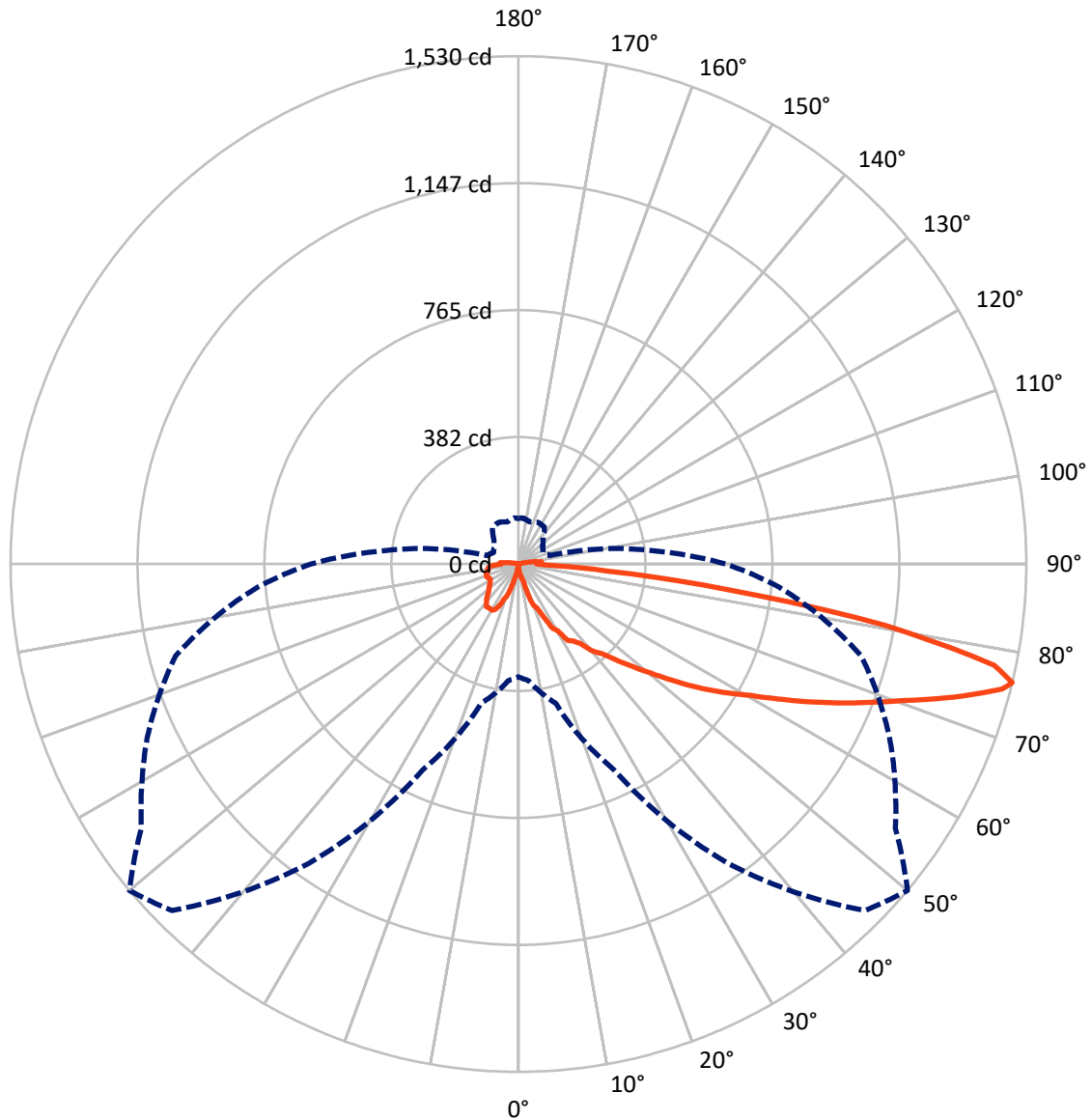
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.4 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral    - - - Horizontal Cone Through 76-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	539.1	30.4	569.4
	% Fixture	21.8	1.2	23.1
<b>Street Side</b>	Lumens	1876.2	24.4	1900.5
	% Fixture	76.0	1.0	76.9
<b>Total</b>	Lumens	2415.2	54.7	2470.0
	% Fixture	97.8	2.2	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1.4	0.1
10°-20°	20.6	0.8
20°-30°	80.6	3.3
30°-40°	173.4	7.0
40°-50°	282.6	11.4
50°-60°	454.9	18.4
60°-70°	662.6	26.8
70°-80°	591.1	23.9
80°-90°	148.1	6.0
90°-100°	43.4	1.8
100°-110°	6.4	0.3
110°-120°	1.8	0.1
120°-130°	1.2	0.1
130°-140°	0.8	0.0
140°-150°	0.7	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2415.2	97.8
0°-180°	2470.0	100.0

**Coefficient of Utilization**



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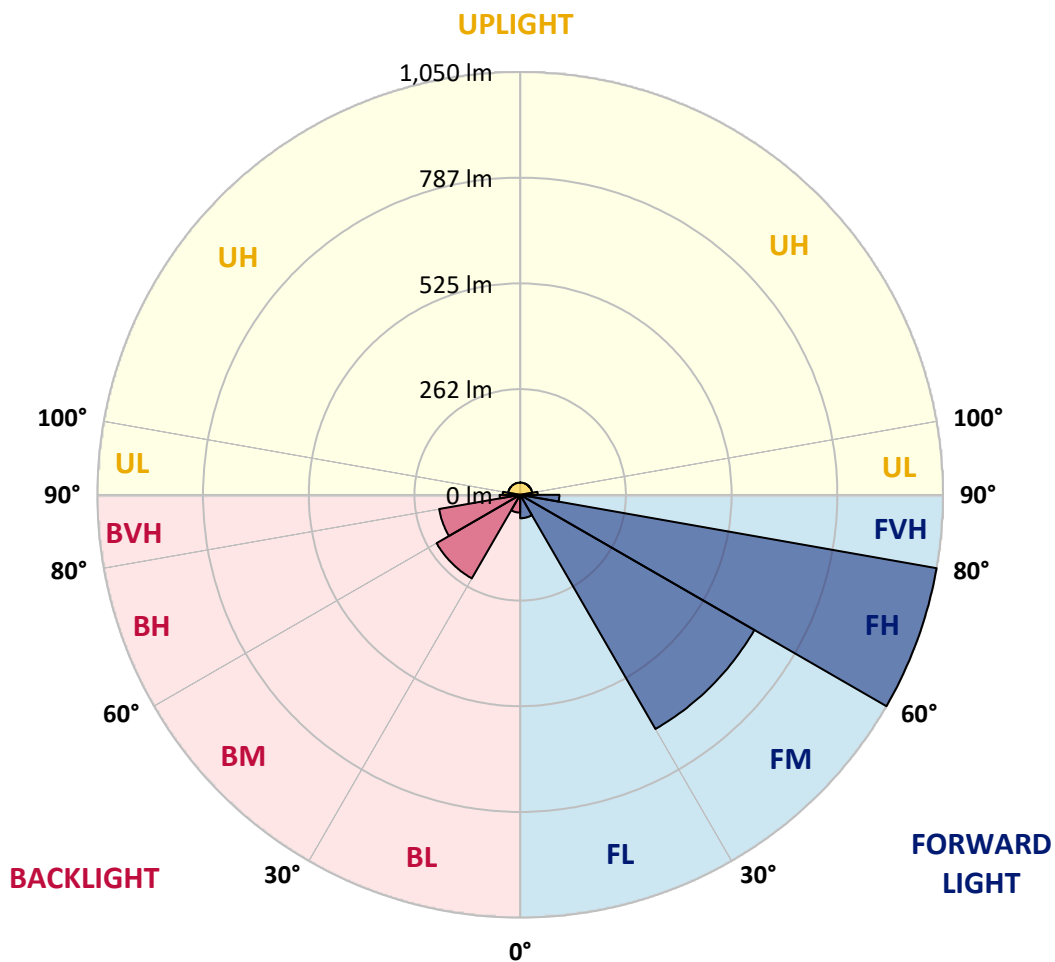
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	58.2	2.4			
FM	(30°-60°)	671.2	27.2			
FH	(60°-80°)	1049.5	42.5			G1/1800
FVH	(80°-90°)	97.2	3.9			G1/100
BL	(0°-30°)	44.3	1.8	B0/110		
BM	(30°-60°)	239.7	9.7	B1/1000		
BH	(60°-80°)	204.2	8.3	B1/500		G1/500
BVH	(80°-90°)	50.8	2.1			G1/100
UL	(90°-100°)	43.4	1.8		U2/50	
UH	(100°-180°)	30.4	1.2		U2/50	

**BUG Rating: B1-U2-G1**

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
2.5°	3.6	2.7	2.5	2.2	2.2	1.9	1.9	1.6	1.6	1.6	1.6
5°	34.6	33.5	31.0	28.8	9.9	8.2	6.9	5.2	1.9	1.9	1.6
7.5°	41.5	40.6	39.0	37.9	36.2	33.8	31.0	14.5	5.8	2.2	1.9
10°	54.4	50.2	46.9	44.2	42.3	38.2	37.1	34.9	9.6	4.1	3.0
12.5°	97.2	95.0	91.7	62.3	51.3	43.9	42.3	40.4	31.3	14.8	26.6
15°	107.1	104.9	101.6	97.4	91.4	54.1	50.8	63.1	80.7	60.7	63.4
17.5°	125.7	124.6	115.8	106.0	99.9	106.2	106.5	96.6	91.7	80.2	73.0
20°	174.3	173.2	168.3	143.0	113.1	134.2	133.7	128.7	102.9	118.3	127.4
22.5°	181.4	180.1	175.7	168.8	179.0	147.1	143.6	143.6	151.8	160.9	149.9
25°	238.8	237.4	204.0	177.6	191.9	175.1	175.7	194.3	168.0	176.5	168.5
27.5°	249.5	247.6	244.9	227.3	202.0	221.8	218.8	208.6	218.5	243.8	235.3
30°	291.3	270.1	261.1	250.9	238.5	235.0	233.6	252.0	259.1	257.5	260.0
32.5°	337.9	337.1	328.3	267.6	269.8	252.5	274.8	283.0	272.0	312.7	338.7
35°	406.0	378.0	361.0	320.6	280.8	292.1	284.4	292.9	330.5	334.3	359.3
37.5°	510.3	508.7	469.7	353.8	323.9	298.9	304.4	328.0	352.7	358.2	392.0
40°	596.5	588.5	563.8	441.1	352.2	323.4	345.3	340.1	366.2	385.4	417.8
42.5°	660.5	667.9	653.9	510.6	409.0	362.1	368.7	361.8	386.0	421.9	454.9
45°	721.7	718.7	728.3	581.1	463.6	411.8	411.2	394.5	422.2	462.5	505.9
47.5°	771.6	767.2	777.1	657.7	526.5	456.8	460.6	438.9	465.6	513.3	581.7
50°	827.4	818.8	825.4	721.9	608.6	521.8	516.6	499.9	515.0	580.0	674.2
52.5°	894.3	888.3	876.5	785.9	693.1	588.8	582.2	566.0	582.5	662.9	776.6
55°	954.5	947.6	938.0	874.0	763.4	656.9	657.2	641.0	673.1	753.5	895.4
57.5°	1017.0	1013.7	1018.7	972.6	863.9	728.0	729.6	719.8	777.4	846.6	1021.4
60°	1068.9	1064.0	1091.4	1073.3	953.1	809.2	802.7	813.4	883.9	943.7	1149.1
62.5°	1088.7	1092.0	1143.9	1166.1	1039.6	896.8	899.3	913.8	982.5	1060.1	1272.1
65°	995.9	1007.4	1152.4	1182.3	1135.9	994.0	1005.8	1003.3	1083.5	1145.8	1375.8
67.5°	895.2	908.3	1065.9	1186.4	1210.6	1108.2	1114.2	1089.8	1170.5	1199.3	1453.2
70°	823.8	833.9	963.5	1163.1	1256.4	1227.3	1230.1	1184.8	1233.6	1262.2	1450.5
72.5°	700.3	711.0	830.7	1075.0	1285.0	1371.7	1371.7	1271.8	1284.7	1260.8	1280.8
75°	473.2	477.4	575.4	834.5	1211.1	1489.5	1503.7	1366.8	1267.1	1145.2	955.3
76°	339.8	352.5	434.5	685.2	1099.9	1476.0	1529.5	1386.0	1232.8	1068.6	786.2
77.5°	180.1	191.6	256.4	438.7	892.1	1372.5	1465.0	1327.0	1124.1	917.4	581.4
80°	70.5	69.7	88.1	156.2	451.8	1043.9	1121.1	978.1	760.4	531.4	276.2
82.5°	38.7	42.5	56.0	82.6	196.0	575.9	633.3	516.1	388.2	245.1	161.4
85°	24.7	25.3	32.9	51.1	121.1	242.7	266.5	221.0	181.7	150.4	114.7
87.5°	14.8	15.4	17.3	23.6	59.8	71.4	78.0	91.7	104.3	103.5	99.1
90°	10.2	10.2	8.5	9.3	28.0	57.1	54.9	58.5	53.3	67.5	95.5
92.5°	9.9	9.9	8.2	8.5	23.9	63.4	63.7	63.4	56.3	68.9	100.5
95°	8.8	9.1	7.1	7.4	17.6	59.3	69.7	67.5	56.8	69.4	100.2
97.5°	7.4	7.7	5.5	6.3	11.8	40.1	51.9	53.0	35.4	35.1	45.3
100°	5.5	5.8	3.8	4.9	7.1	18.4	27.7	26.1	17.6	9.6	6.3
102.5°	5.2	5.5	3.3	3.8	4.4	6.3	10.2	7.7	6.6	5.5	5.5
105°	5.8	5.8	3.0	2.7	2.7	3.0	2.5	3.6	3.8	4.1	5.8
107.5°	4.9	5.2	2.2	2.2	1.9	1.9	1.6	1.6	2.2	3.6	6.3



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
110°	3.8	3.8	1.9	1.9	1.4	1.6	1.6	1.4	1.9	2.7	4.9
112.5°	2.2	2.5	1.1	1.6	1.1	1.4	1.4	1.1	1.6	1.9	2.7
115°	2.2	2.2	1.1	0.8	0.8	0.8	1.1	1.1	1.4	1.9	3.0
117.5°	2.2	2.2	1.1	0.8	0.5	0.8	0.8	0.8	1.4	1.9	3.0
120°	2.2	2.2	1.1	0.5	0.5	0.5	0.5	0.8	1.4	1.9	3.0
122.5°	2.5	2.2	1.1	0.5	0.5	0.5	0.5	0.8	1.4	1.9	2.7
125°	2.5	2.2	1.1	0.5	0.5	0.5	0.5	0.8	1.1	1.6	2.5
127.5°	2.5	2.2	1.1	0.5	0.5	0.5	0.5	0.8	1.1	1.6	2.2
130°	2.2	2.2	1.1	0.5	0.5	0.5	0.5	0.8	1.1	1.6	2.2
132.5°	2.2	1.9	1.1	0.5	0.5	0.5	0.5	0.8	1.1	1.4	1.9
135°	1.9	1.6	1.1	0.5	0.8	0.5	0.8	0.8	1.1	1.4	1.6
137.5°	1.6	1.6	1.1	0.8	0.8	0.8	0.8	0.8	1.1	1.4	1.4
140°	1.9	1.6	1.1	1.1	0.8	0.8	0.8	0.8	1.1	1.4	1.4
142.5°	2.2	1.9	1.4	1.1	1.1	0.8	0.8	1.1	1.1	1.4	1.4
145°	2.2	2.2	1.6	1.4	0.8	0.8	0.8	1.1	1.4	1.4	1.6
147.5°	2.5	2.2	1.6	1.4	0.8	0.5	0.8	0.8	1.4	1.6	1.6
150°	2.2	2.2	1.4	1.1	0.5	0.3	0.5	0.8	1.4	1.6	1.6
152.5°	1.6	1.6	1.1	0.5	0.3	0.3	0.5	0.8	1.1	1.4	1.6
155°	1.1	1.1	0.5	0.3	0.0	0.3	0.3	0.5	0.8	1.1	1.4
157.5°	0.5	0.5	0.3	0.0	0.0	0.3	0.3	0.5	0.8	1.1	1.1
160°	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.5	0.5	0.8	0.8
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°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
2.5°	1.6	1.4	1.4	1.1	1.1	0.8	0.8	0.8	0.8	1.1	1.4
5°	1.6	1.6	1.4	1.4	1.4	1.1	1.1	1.6	1.9	2.2	2.2
7.5°	1.6	1.6	1.6	1.4	1.6	2.2	8.8	25.3	27.7	29.4	29.9
10°	3.0	2.7	2.5	2.2	4.1	28.0	34.6	37.6	39.0	40.4	40.4
12.5°	28.8	28.8	11.8	6.6	28.3	37.6	39.5	41.7	43.6	45.6	45.8
15°	62.6	61.8	59.6	54.6	47.2	42.5	44.5	65.9	77.4	82.6	81.8
17.5°	71.6	70.5	69.2	78.8	82.1	65.6	76.6	85.1	87.6	90.3	90.0
20°	132.9	131.5	102.4	91.7	89.8	110.1	87.6	89.5	93.9	119.7	120.5
22.5°	148.8	147.1	137.0	139.7	104.9	119.4	115.6	121.1	135.1	139.2	139.7
25°	174.3	167.7	155.4	146.0	148.5	124.6	143.8	134.8	140.0	144.9	145.8
27.5°	241.3	237.4	215.5	163.6	151.5	155.9	149.9	146.6	175.1	185.6	186.4
30°	260.0	256.1	228.7	189.4	159.8	159.8	151.0	182.8	184.2	189.7	191.1
32.5°	353.3	345.6	290.7	192.4	165.8	152.6	171.0	180.1	202.0	218.5	221.3
35°	375.0	368.4	300.0	219.9	160.3	158.9	161.4	189.7	205.9	215.8	218.0
37.5°	397.5	390.1	298.9	209.4	169.9	151.5	157.0	177.3	200.7	226.2	229.5
40°	428.2	419.2	300.3	196.0	159.2	143.3	147.4	170.2	186.1	202.0	204.8
42.5°	469.4	451.3	302.8	183.9	146.9	139.7	140.5	153.7	161.1	167.7	167.7
45°	524.9	495.5	303.6	171.3	134.5	131.5	132.6	138.6	141.4	137.3	135.3
47.5°	599.2	550.1	313.8	160.0	124.1	122.4	123.3	125.2	123.8	113.1	111.2
50°	686.0	614.3	319.2	150.2	116.4	116.1	114.7	114.7	109.8	97.7	96.9
52.5°	781.8	690.9	323.9	138.1	110.9	112.3	112.3	106.5	99.1	89.5	88.7
55°	903.4	779.3	330.8	127.6	106.2	106.0	109.0	101.8	94.2	85.9	85.9
57.5°	1024.2	872.9	339.0	118.6	101.0	101.6	106.0	100.2	96.1	92.8	92.5
60°	1145.0	969.6	325.8	110.4	99.1	98.0	105.1	106.5	101.6	103.5	105.4
62.5°	1258.3	1031.3	272.9	103.2	95.5	97.2	112.3	120.8	119.1	117.2	117.8
65°	1311.9	1043.9	221.3	96.9	93.1	102.9	123.8	136.7	131.2	124.9	124.4
67.5°	1320.9	1011.3	162.8	93.1	91.7	113.1	132.9	140.3	132.0	129.6	127.4
70°	1257.2	928.4	130.1	88.9	92.8	114.7	138.6	139.4	133.4	136.2	133.4
72.5°	1069.2	773.3	113.9	85.1	93.1	110.6	138.6	139.7	132.9	140.8	139.4
75°	765.6	542.1	101.3	81.8	90.0	106.0	136.7	139.4	131.2	140.0	137.8
76°	623.7	430.2	97.7	82.6	88.7	104.3	136.2	138.6	131.5	139.4	137.3
77.5°	412.0	281.1	91.7	82.1	86.2	103.5	134.8	137.5	131.2	137.8	135.6
80°	220.4	159.2	82.6	76.6	83.2	104.0	133.7	134.8	126.0	133.4	130.7
82.5°	145.2	118.6	71.4	69.4	80.2	104.9	133.1	131.5	121.6	133.4	126.0
85°	113.9	98.0	53.5	55.7	73.0	101.3	131.5	126.8	117.8	121.1	116.7
87.5°	96.6	80.7	32.1	39.8	64.0	86.2	116.7	104.9	99.6	102.9	101.0
90°	90.9	71.4	18.1	28.0	48.0	57.4	73.6	68.4	66.2	70.0	69.2
92.5°	91.7	69.7	17.8	26.6	51.3	61.8	76.0	70.0	63.4	63.4	62.6
95°	87.6	65.1	17.6	21.1	46.4	60.1	71.4	62.9	51.1	48.6	47.8
97.5°	38.2	31.6	16.5	16.2	26.6	41.5	51.9	45.0	33.8	26.4	26.4
100°	6.3	10.2	14.3	15.6	15.6	22.0	29.4	27.7	16.2	8.5	8.8
102.5°	6.6	5.8	9.9	12.9	10.2	9.1	13.5	16.7	10.7	3.3	3.6
105°	6.9	6.0	4.9	9.1	5.8	3.0	4.1	7.7	4.9	3.3	3.3
107.5°	7.4	6.3	3.0	3.3	2.5	2.5	2.2	1.9	2.5	3.3	3.6



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CATALOG NUMBER: LXF.LXT-PA1-20-730-U-T4W-CL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	5.8	5.2	2.7	2.5	2.2	2.5	1.6	1.6	1.9	3.3	3.6
112.5°	3.3	3.3	2.5	1.9	1.9	2.2	1.4	1.4	1.9	3.6	3.6
115°	3.3	3.3	2.2	1.6	1.4	1.6	1.4	1.1	1.9	3.6	3.8
117.5°	3.3	3.3	2.2	1.6	1.4	1.1	1.1	1.1	1.9	3.6	3.8
120°	3.3	3.0	1.9	1.4	1.4	0.8	0.8	0.8	1.6	3.6	3.8
122.5°	3.0	3.0	1.9	1.4	1.1	0.8	0.8	0.8	1.6	3.3	3.6
125°	2.7	2.7	1.9	1.4	1.1	0.8	0.5	0.8	1.6	3.0	3.3
127.5°	2.5	2.5	1.6	1.4	1.1	0.8	0.5	0.8	1.6	3.0	3.3
130°	2.2	2.2	1.6	1.1	1.1	0.5	0.5	0.5	1.6	2.7	3.0
132.5°	1.9	1.9	1.4	1.1	0.8	0.5	0.3	0.5	1.4	2.5	2.5
135°	1.6	1.6	1.4	1.1	0.8	0.5	0.3	0.5	1.1	1.9	2.2
137.5°	1.4	1.4	1.1	1.1	0.8	0.5	0.3	0.5	0.8	1.6	1.6
140°	1.4	1.4	1.1	1.1	0.8	0.5	0.3	0.5	0.8	1.4	1.6
142.5°	1.4	1.4	1.1	1.1	0.8	0.5	0.3	0.5	0.8	1.4	1.6
145°	1.6	1.4	1.4	1.1	0.8	0.5	0.3	0.5	1.1	1.6	1.6
147.5°	1.6	1.6	1.4	1.1	0.8	0.5	0.3	0.5	1.1	1.6	1.6
150°	1.6	1.6	1.4	1.1	0.8	0.3	0.0	0.3	0.8	1.4	1.6
152.5°	1.6	1.4	1.1	0.8	0.5	0.3	0.0	0.0	0.5	1.1	1.1
155°	1.4	1.1	1.1	0.8	0.5	0.3	0.0	0.0	0.3	0.5	0.5
157.5°	1.1	1.1	0.8	0.5	0.3	0.3	0.0	0.0	0.0	0.3	0.3
160°	0.8	0.8	0.5	0.5	0.3	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)