

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: P414898

Luminaire Tested: **LXF.LXT-PA1-30-830-U-T3-A**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414898  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-30-830-U-T3-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS  
AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2923 lumens  
Efficiency: N/A  
Efficacy: 94.3 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type III - Short - Non-Cutoff  
BUG Rating: B1 - U3 - G2

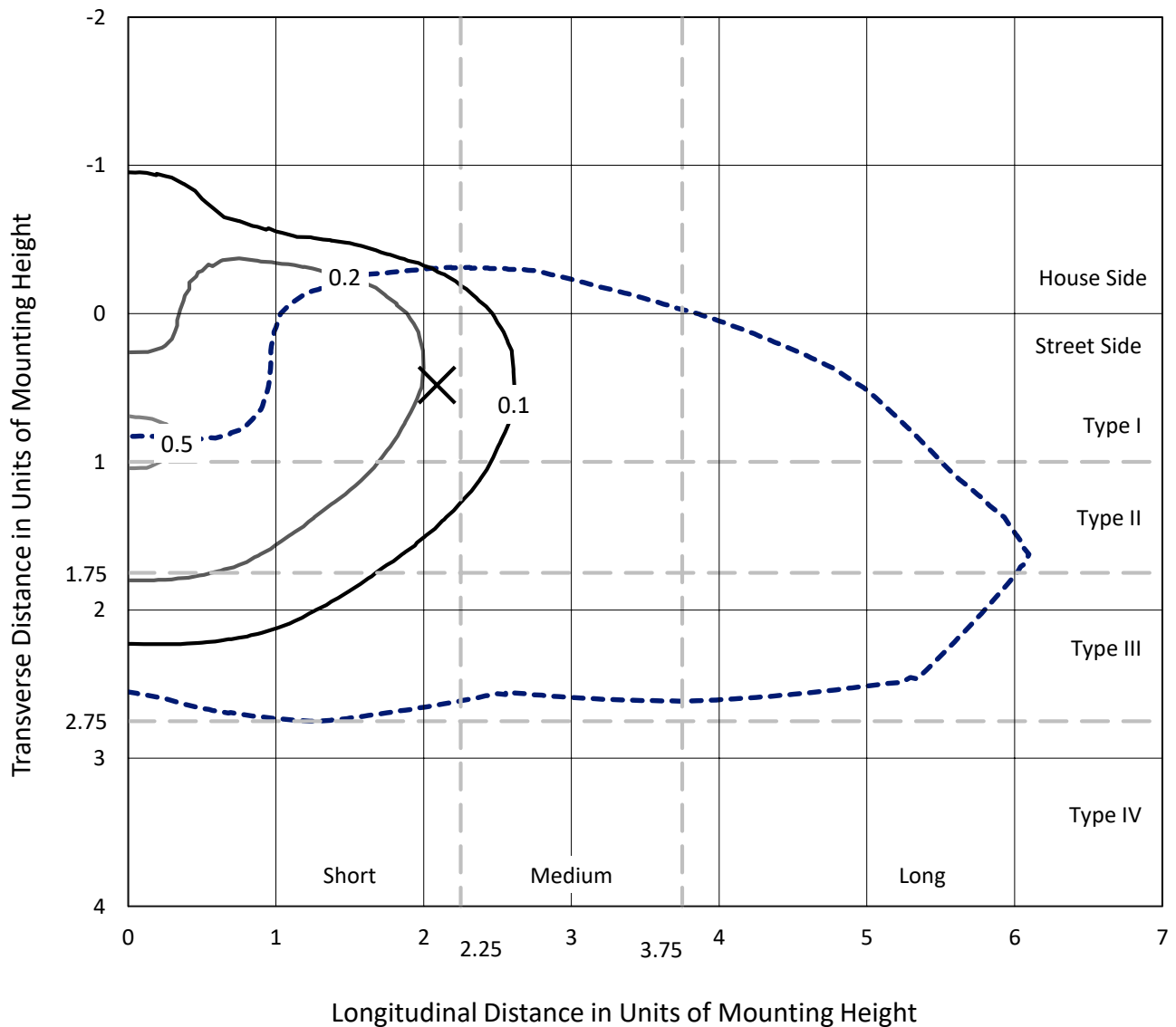
Input Watts (W): 31  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

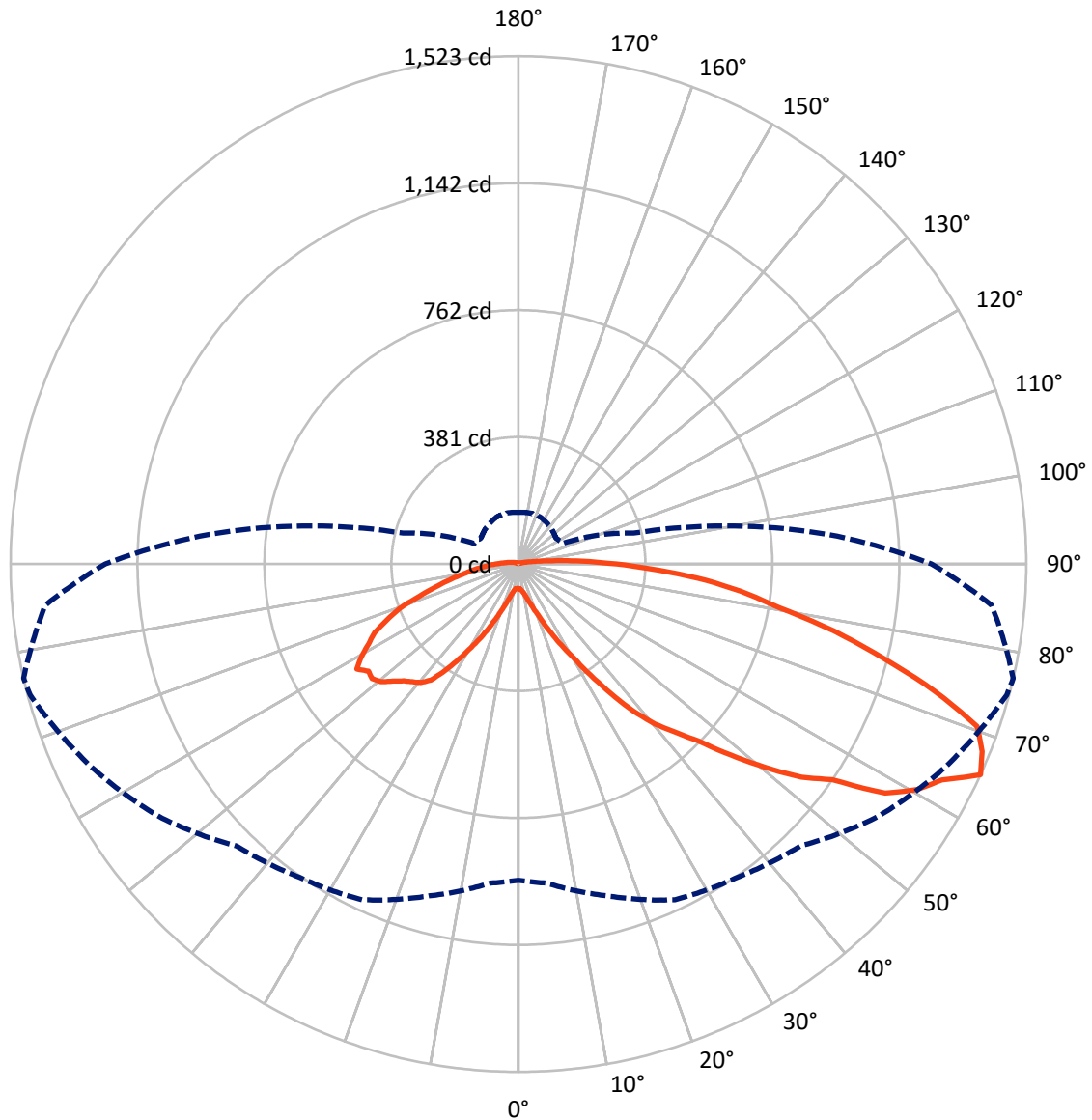


Based on 25 foot mounting height. Maximum calculated value = 0.6 fc  
 Type III - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical



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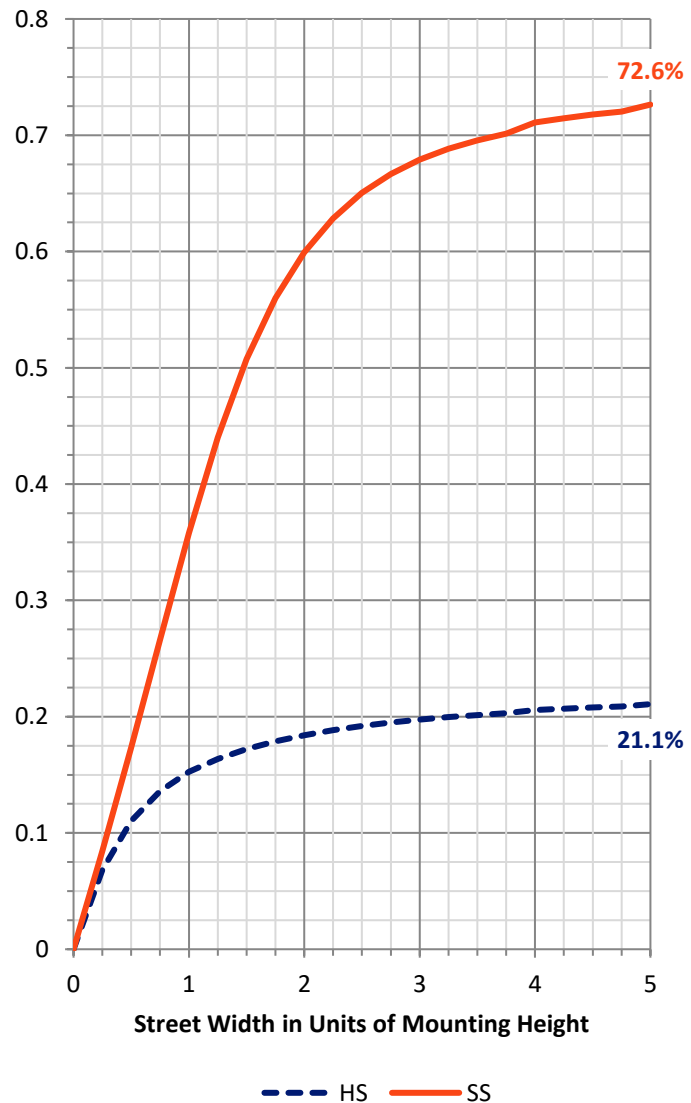
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	644.1	45.8	689.9
	% Fixture	22.0	1.6	23.6
<b>Street Side</b>	Lumens	2175.8	57.3	2233.1
	% Fixture	74.4	2.0	76.4
<b>Total</b>	Lumens	2819.9	103.1	2923.0
	% Fixture	96.5	3.5	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7.5	0.3
10°-20°	32.0	1.1
20°-30°	93.8	3.2
30°-40°	224.6	7.7
40°-50°	404.4	13.8
50°-60°	615.1	21.0
60°-70°	725.6	24.8
70°-80°	500.0	17.1
80°-90°	216.8	7.4
90°-100°	63.3	2.2
100°-110°	19.8	0.7
110°-120°	9.3	0.3
120°-130°	5.4	0.2
130°-140°	3.3	0.1
140°-150°	1.4	0.0
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2819.9	96.5
0°-180°	2923.0	100.0



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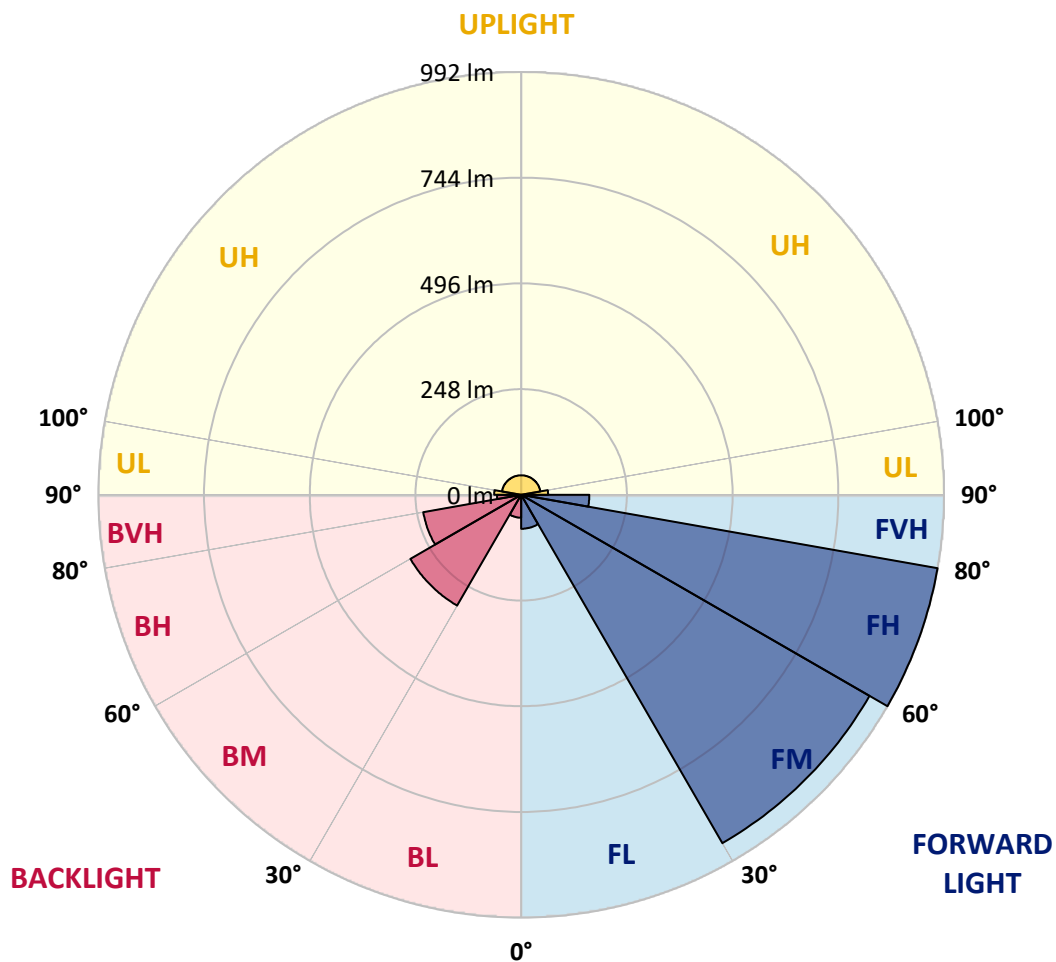
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	79.7	2.7			
FM	(30°-60°)	943.9	32.3			
FH	(60°-80°)	992.3	33.9			G1/1800
FVH	(80°-90°)	160.0	5.5			G2/225
BL	(0°-30°)	53.7	1.8	B0/110		
BM	(30°-60°)	300.2	10.3	B1/1000		
BH	(60°-80°)	233.4	8.0	B1/500		G1/500
BVH	(80°-90°)	56.8	1.9			G1/100
UL	(90°-100°)	63.3	2.2		U3/500	
UH	(100°-180°)	45.8	1.6		U2/50	

**BUG Rating: B1-U3-G2**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
2.5°	79.0	78.6	78.6	79.0	78.3	77.6	76.6	75.6	74.6	74.6	73.9
5°	85.3	85.0	85.0	85.0	83.7	82.7	80.3	79.0	77.6	76.9	75.9
7.5°	93.7	92.7	93.1	92.7	90.7	88.7	86.3	83.7	82.0	81.6	79.6
10°	104.8	104.2	103.5	102.1	100.1	96.8	93.4	91.1	88.7	88.4	86.0
12.5°	120.6	119.9	118.6	115.6	111.2	107.2	103.8	101.1	99.8	99.1	96.8
15°	139.8	137.8	137.1	132.4	126.3	121.6	117.9	116.3	114.9	114.9	111.9
17.5°	162.3	162.3	158.9	152.5	144.8	139.1	135.4	132.4	133.4	133.1	131.4
20°	190.2	189.5	184.5	176.1	166.7	161.3	156.6	154.9	156.2	157.6	157.6
22.5°	230.5	228.8	221.1	208.3	194.5	185.8	182.4	182.1	187.5	189.2	191.2
25°	275.8	273.5	263.8	248.3	231.2	217.7	213.0	216.7	226.5	230.2	234.2
27.5°	330.6	329.3	314.5	293.3	272.8	255.4	250.0	261.4	274.5	275.8	283.9
30°	401.2	401.8	381.7	351.1	316.2	298.0	292.0	305.8	325.2	326.6	342.7
32.5°	482.8	482.8	452.6	415.6	370.6	345.1	339.3	361.5	392.1	396.8	412.3
35°	587.0	580.9	542.3	489.2	432.8	394.8	394.1	428.7	470.7	475.4	492.2
37.5°	680.4	684.1	644.8	575.6	499.3	455.6	461.3	505.3	558.4	559.8	577.9
40°	781.5	785.5	739.2	666.9	573.2	524.1	535.6	576.6	629.3	630.3	636.7
42.5°	860.8	871.2	827.9	752.6	657.9	602.1	604.8	643.1	683.7	688.8	693.1
45°	908.2	915.9	892.1	831.9	732.5	680.0	673.7	704.9	758.0	756.6	763.0
47.5°	982.8	991.8	955.2	900.5	816.5	751.6	743.5	784.2	849.4	856.1	850.1
50°	1060.0	1072.1	1045.6	981.8	895.1	831.9	832.9	879.3	955.2	957.6	961.3
52.5°	1114.1	1122.9	1112.5	1068.1	976.1	918.6	927.7	983.1	1057.7	1062.1	1047.3
55°	1122.5	1136.0	1144.4	1134.3	1064.8	1008.0	1031.2	1086.6	1137.0	1140.7	1129.3
57.5°	1119.9	1130.9	1148.7	1156.5	1121.5	1100.0	1129.9	1186.7	1283.8	1296.2	1290.5
60°	1116.8	1124.9	1161.9	1173.3	1153.5	1170.6	1218.3	1319.4	1372.9	1373.9	1321.8
62.5°	1032.8	1046.3	1115.8	1173.3	1167.9	1200.5	1305.0	1375.2	1417.5	1425.3	1375.5
65°	948.5	960.3	1030.1	1110.8	1146.4	1195.5	1318.4	1421.9	1516.0	1523.0	1424.6
67.5°	826.5	845.0	921.3	1018.4	1062.1	1140.3	1283.1	1438.4	1496.8	1499.9	1387.3
70°	673.3	698.5	784.5	887.0	939.4	1018.7	1204.2	1379.6	1461.2	1459.5	1325.5
72.5°	485.2	507.7	586.3	707.9	789.9	876.6	1059.7	1262.6	1309.0	1307.3	1127.6
75°	329.6	341.7	400.8	512.0	630.0	731.8	912.9	1095.3	1134.6	1131.6	966.0
77.5°	216.0	229.8	268.1	363.2	473.1	590.3	766.4	916.9	978.7	967.7	818.8
80°	132.4	140.1	171.7	245.3	358.5	476.4	633.7	775.8	807.7	791.6	668.6
82.5°	82.7	88.7	111.2	161.9	257.4	367.9	519.8	653.2	688.8	670.6	550.0
85°	50.7	53.8	69.2	106.5	174.7	270.5	418.0	529.9	551.7	538.6	414.6
87.5°	37.0	37.6	47.4	71.9	117.9	193.5	307.8	399.2	414.9	390.8	290.6
90°	27.2	28.6	34.9	50.7	82.0	131.4	212.0	280.9	284.9	270.1	194.2
92.5°	20.5	21.2	26.2	36.0	56.4	89.7	141.5	188.2	184.5	174.0	120.6
95°	14.8	15.1	18.8	25.5	39.6	60.1	90.0	117.9	106.2	101.8	73.2
97.5°	12.1	12.4	15.1	19.8	29.2	42.3	58.1	70.2	62.5	59.8	47.0
100°	10.4	10.4	12.8	16.5	22.8	31.6	38.6	44.0	40.3	39.0	33.3
102.5°	9.4	9.4	11.1	13.8	18.8	24.9	28.6	30.2	28.2	27.2	24.5
105°	8.4	8.4	9.7	11.8	15.8	20.2	21.8	22.2	20.2	19.8	18.8
107.5°	7.7	7.7	8.7	10.4	13.4	16.8	17.5	16.5	15.5	14.8	14.8
110°	6.7	7.1	7.7	9.1	11.8	14.1	14.1	12.8	11.4	11.4	11.8



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	6.4	6.4	7.1	8.4	10.4	12.1	11.4	10.1	9.1	9.1	9.7
115°	5.7	5.7	6.4	7.7	9.4	10.4	9.7	8.4	7.4	7.7	8.4
117.5°	5.4	5.4	6.0	7.1	8.4	9.1	8.4	7.1	6.4	6.7	7.7
120°	5.4	5.4	6.0	6.7	7.7	8.1	7.4	6.0	5.7	5.7	6.7
122.5°	5.4	5.4	5.7	6.7	7.4	7.4	6.4	5.4	5.0	5.0	6.0
125°	5.4	5.4	6.0	6.7	6.7	6.7	5.7	4.7	4.4	4.7	5.4
127.5°	5.7	5.7	6.0	6.4	6.4	6.0	5.0	4.4	4.0	4.4	5.0
130°	5.7	5.7	6.0	6.4	6.0	5.4	4.7	4.0	4.0	4.0	5.0
132.5°	5.7	5.7	6.0	6.0	5.7	4.7	4.0	3.4	3.7	4.0	4.7
135°	5.4	5.4	5.4	5.4	5.0	4.4	3.4	3.0	3.4	3.7	4.4
137.5°	5.0	5.0	5.0	5.0	4.4	3.7	2.7	2.4	3.0	3.0	3.7
140°	4.4	4.4	4.7	4.4	4.0	3.0	2.4	1.7	2.4	2.4	3.0
142.5°	4.0	4.0	4.0	4.0	3.4	2.7	1.7	1.7	2.0	2.0	2.4
145°	3.4	3.4	3.7	3.4	2.7	2.0	1.3	1.3	1.7	1.7	2.0
147.5°	2.7	3.0	3.0	2.7	2.4	1.7	1.0	1.0	1.3	1.3	1.7
150°	2.4	2.4	2.4	2.4	1.7	1.0	0.7	1.0	1.3	1.3	1.3
152.5°	1.7	1.7	2.0	2.0	1.3	0.7	0.7	1.0	1.0	1.0	1.3
155°	1.3	1.3	1.7	1.3	1.0	0.3	0.7	0.7	1.0	1.0	1.0
157.5°	0.7	0.7	1.0	1.0	0.7	0.3	0.3	0.7	0.7	0.7	1.0
160°	0.3	0.3	1.0	1.0	0.7	0.3	0.3	0.3	0.7	0.7	0.7
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°	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
2.5°	73.6	72.9	72.6	71.9	71.2	70.6	70.6	70.6	70.2	69.9	70.2
5°	74.9	74.6	72.9	71.6	70.2	69.5	68.9	68.5	68.5	67.9	67.9
7.5°	78.6	77.3	74.9	72.6	71.2	69.9	68.9	68.5	68.2	67.5	67.5
10°	84.3	82.7	80.0	76.3	73.9	71.6	70.6	70.6	70.2	69.9	69.9
12.5°	95.1	93.1	88.4	83.3	78.6	75.3	74.6	75.6	77.6	77.9	77.9
15°	110.9	108.5	102.5	94.4	87.0	82.3	83.0	85.7	88.4	89.4	89.4
17.5°	130.4	127.7	118.9	107.2	97.4	93.1	92.7	96.4	100.1	102.1	102.1
20°	156.6	152.2	140.8	124.0	110.5	105.5	103.5	106.8	112.6	114.9	114.2
22.5°	189.2	184.1	168.0	142.5	125.7	116.6	113.9	117.6	124.7	127.7	127.3
25°	232.2	227.1	200.9	165.6	140.4	126.3	124.7	130.0	140.4	146.5	145.8
27.5°	282.2	273.8	238.9	191.5	154.9	134.4	134.7	143.8	154.6	161.3	160.6
30°	335.7	324.9	277.2	216.4	168.3	143.5	142.8	153.5	164.6	171.7	171.7
32.5°	406.2	390.4	321.5	240.2	178.7	150.5	148.2	160.3	171.7	179.1	178.7
35°	481.8	460.6	367.9	265.4	187.5	154.2	151.5	164.0	175.7	184.5	184.5
37.5°	568.5	532.5	411.3	282.9	193.5	156.2	152.5	166.7	181.1	190.2	189.5
40°	614.2	573.9	432.1	290.6	194.5	156.6	154.2	169.0	181.1	184.5	182.8
42.5°	665.3	613.2	440.8	281.2	190.8	155.9	155.2	166.7	172.0	171.0	170.0
45°	729.8	659.5	449.2	269.5	182.1	154.9	153.5	160.3	160.6	156.6	155.2
47.5°	812.1	723.4	463.0	255.4	173.4	152.5	150.9	153.9	148.2	140.8	138.4
50°	900.5	797.3	480.1	243.3	165.3	149.5	147.8	146.8	141.1	133.7	132.4
52.5°	977.4	847.4	484.8	230.5	159.9	147.5	145.5	144.5	139.1	130.7	129.0
55°	1046.3	890.0	468.4	211.3	155.6	146.2	145.5	145.5	139.8	131.0	129.4
57.5°	1182.3	992.2	474.4	191.9	149.9	145.8	146.8	147.2	141.8	133.4	131.7
60°	1186.4	972.7	439.1	178.1	144.8	145.8	148.2	148.8	145.1	139.4	138.4
62.5°	1225.0	973.4	391.8	160.3	141.5	145.1	149.2	151.5	151.9	148.5	147.8
65°	1239.1	959.3	357.5	146.2	136.7	143.5	149.5	155.2	157.2	155.6	154.9
67.5°	1185.0	894.4	310.8	136.7	132.0	140.8	149.2	156.2	160.6	161.6	161.6
70°	1113.8	821.5	269.1	127.7	127.0	137.1	146.8	156.2	162.3	165.0	165.0
72.5°	933.0	674.7	222.1	118.3	120.3	131.4	141.8	153.2	159.9	162.3	161.3
75°	780.5	555.4	182.8	110.2	113.6	124.3	134.7	145.8	150.5	151.9	150.9
77.5°	660.2	462.0	150.2	102.8	105.5	115.2	124.7	132.4	135.4	134.7	133.1
80°	532.2	360.5	123.3	93.7	96.4	104.2	110.9	116.9	119.9	118.3	117.3
82.5°	423.7	286.6	105.2	85.7	86.7	93.1	97.8	102.5	107.5	106.2	103.5
85°	313.5	211.0	89.4	76.9	76.9	81.6	84.0	88.4	95.4	95.1	94.1
87.5°	214.4	150.2	75.9	68.2	67.9	70.6	71.9	76.6	85.7	86.0	85.0
90°	141.1	102.8	63.5	59.1	58.5	60.5	61.5	65.5	72.9	73.6	72.2
92.5°	91.7	71.2	52.1	50.1	49.7	51.4	51.1	53.8	58.8	58.5	57.5
95°	58.8	49.7	42.3	41.3	40.3	42.3	41.7	42.3	45.0	44.4	44.4
97.5°	40.7	38.0	34.9	33.3	32.6	34.6	33.9	33.9	35.3	33.9	33.3
100°	31.2	30.2	28.9	27.6	26.2	27.9	27.9	27.9	28.9	26.9	26.2
102.5°	24.2	23.9	23.9	22.8	21.8	23.2	23.5	23.9	23.5	21.5	21.2
105°	19.2	19.2	19.8	18.8	18.5	19.5	19.8	19.5	19.5	17.8	17.8
107.5°	15.1	15.8	16.5	15.8	15.8	16.5	16.5	16.5	15.8	14.8	15.1
110°	12.4	13.1	14.1	13.4	13.4	14.1	13.8	13.4	13.1	12.8	12.8



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CATALOG NUMBER: LXF.LXT-PA1-30-830-U-T3-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	10.8	11.1	11.8	11.4	11.8	12.1	11.8	11.1	11.1	11.1	11.4
115°	9.1	9.7	10.4	10.1	10.1	10.4	9.7	9.4	9.4	9.7	9.7
117.5°	8.1	8.7	9.1	9.1	8.7	9.1	8.4	8.1	8.4	8.7	8.7
120°	7.4	7.7	8.1	8.1	7.7	7.7	7.4	7.1	7.4	7.7	8.1
122.5°	6.7	7.1	7.1	7.4	7.1	6.7	6.4	6.4	6.7	7.1	7.1
125°	6.0	6.4	6.4	6.4	6.4	6.0	5.7	5.7	6.0	6.4	6.7
127.5°	5.4	5.7	5.7	6.0	5.7	5.4	5.0	5.4	5.7	6.0	6.0
130°	5.4	5.4	5.4	5.4	5.0	4.7	4.7	4.7	5.4	5.7	5.7
132.5°	5.0	5.4	5.0	5.0	4.7	4.0	4.0	4.4	5.0	5.4	5.4
135°	4.7	4.7	4.4	4.4	4.0	3.7	3.4	4.0	4.4	4.7	4.7
137.5°	4.0	4.0	3.7	3.4	3.4	3.0	3.0	3.4	4.0	4.4	4.4
140°	3.0	3.4	3.0	2.7	2.7	2.4	2.7	3.0	3.7	3.7	3.7
142.5°	2.4	2.7	2.4	2.0	2.0	2.0	2.0	2.7	3.4	3.4	3.4
145°	2.0	2.0	2.0	1.7	1.3	1.3	1.7	2.4	3.0	3.0	3.0
147.5°	1.7	1.7	1.7	1.3	1.0	1.0	1.3	2.0	2.4	2.4	2.4
150°	1.3	1.3	1.3	1.3	1.0	0.7	1.0	1.7	2.0	2.0	2.0
152.5°	1.3	1.3	1.3	1.0	0.7	0.3	0.7	1.3	1.7	1.7	1.7
155°	1.0	1.0	1.0	1.0	0.7	0.3	0.3	1.0	1.3	1.3	1.3
157.5°	1.0	1.0	1.0	0.7	0.3	0.0	0.3	1.0	1.3	1.0	1.0
160°	0.7	0.7	0.7	0.7	0.3	0.0	0.3	0.7	1.0	0.7	0.7
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)