

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: P414882

Luminaire Tested: **LXF.LXT-PA1-30-830-U-T2R-FL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414882  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-5)  
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-T2R-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND FROSTED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2769 lumens  
Efficiency: N/A  
Efficacy: 89.3 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 (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

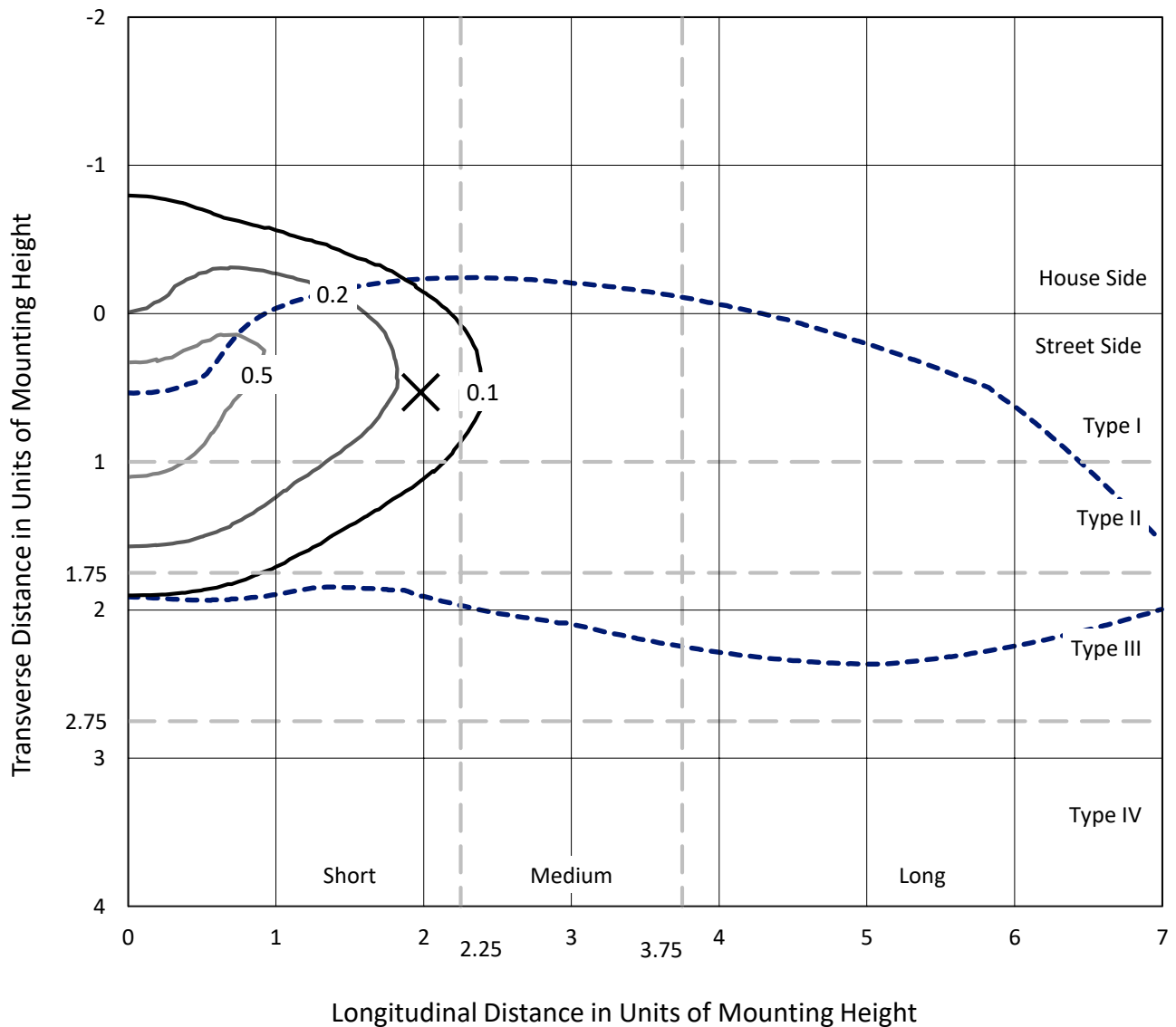


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

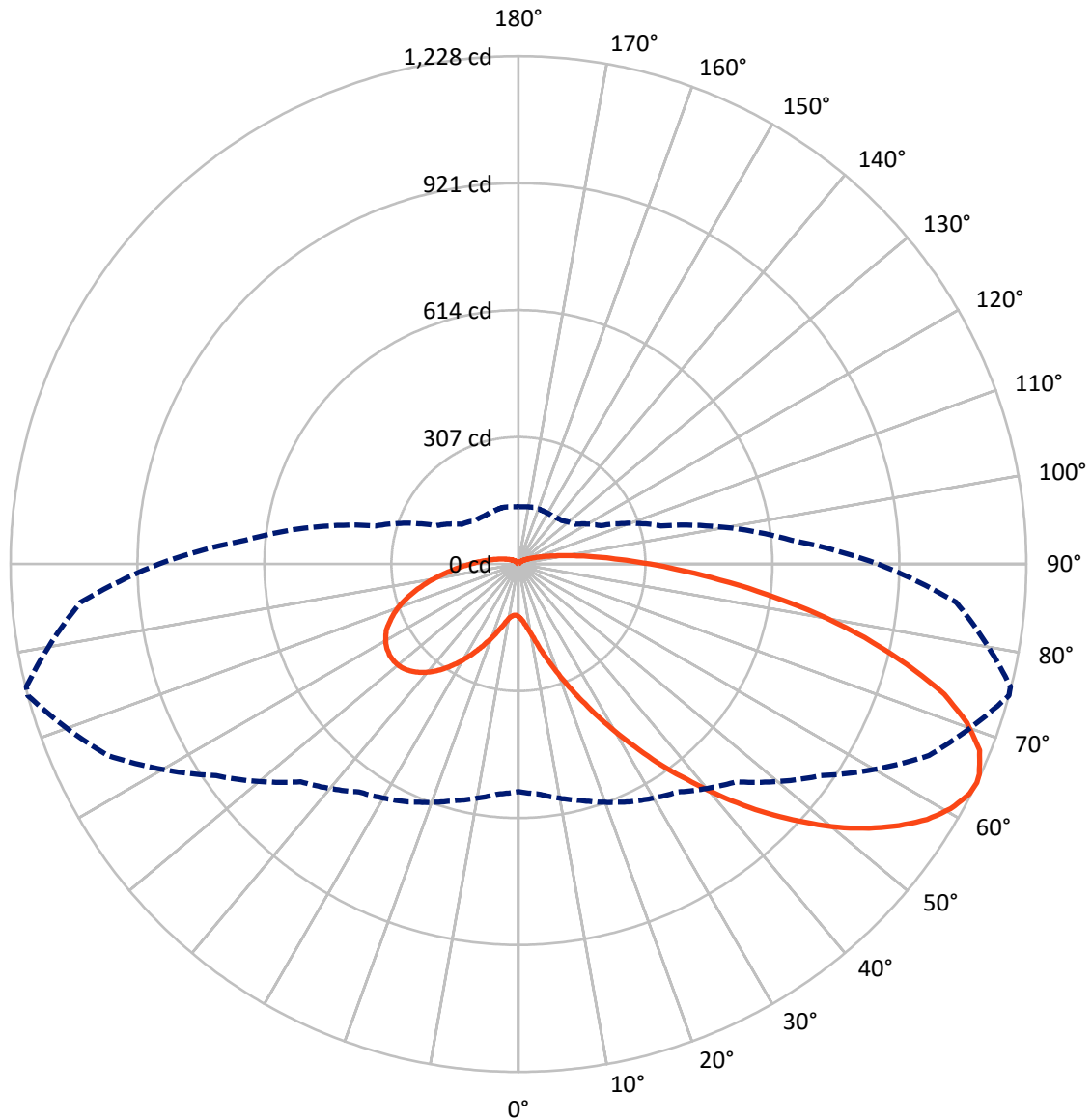


Based on 25 foot mounting height. Maximum calculated value = 0.7 fc  
 Type III - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral      - - - Horizontal Cone Through 64-Deg Vertical

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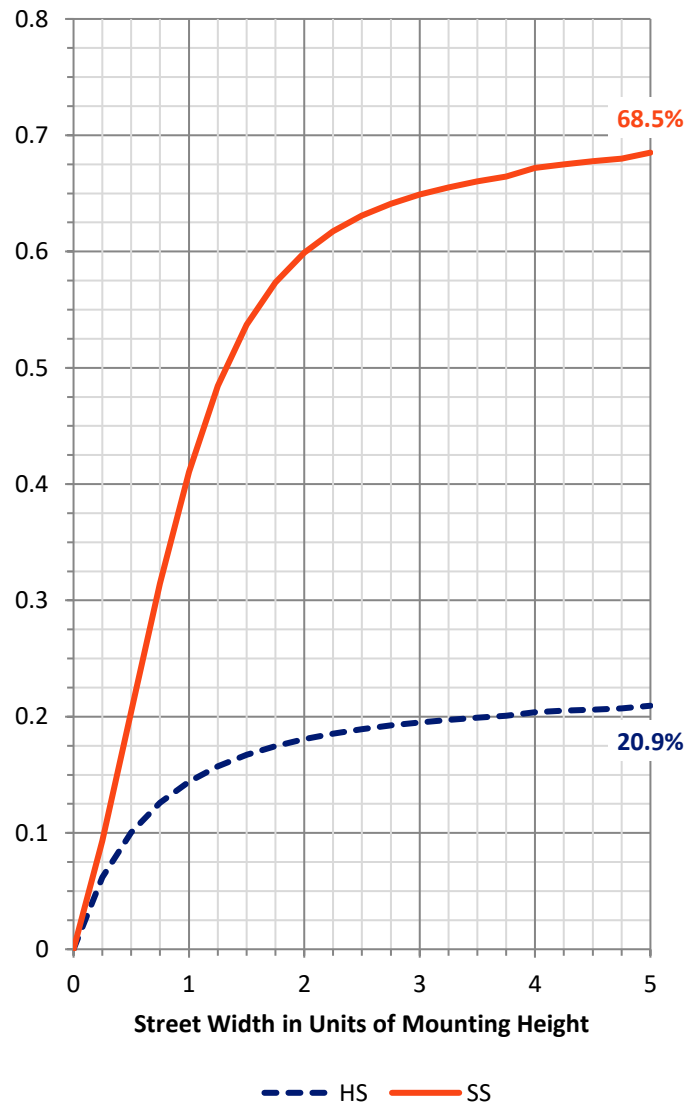
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	610.7	80.4	691.2
	% Fixture	22.1	2.9	25.0
<b>Street Side</b>	Lumens	1955.5	122.4	2077.8
	% Fixture	70.6	4.4	75.0
<b>Total</b>	Lumens	2566.2	202.8	2769.0
	% Fixture	92.7	7.3	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	13.4	0.5
10°-20°	55.9	2.0
20°-30°	141.4	5.1
30°-40°	276.9	10.0
40°-50°	430.8	15.6
50°-60°	528.3	19.1
60°-70°	513.6	18.5
70°-80°	387.3	14.0
80°-90°	218.7	7.9
90°-100°	103.2	3.7
100°-110°	49.8	1.8
110°-120°	26.2	0.9
120°-130°	14.1	0.5
130°-140°	6.9	0.2
140°-150°	2.4	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2566.2	92.7
0°-180°	2769.0	100.0



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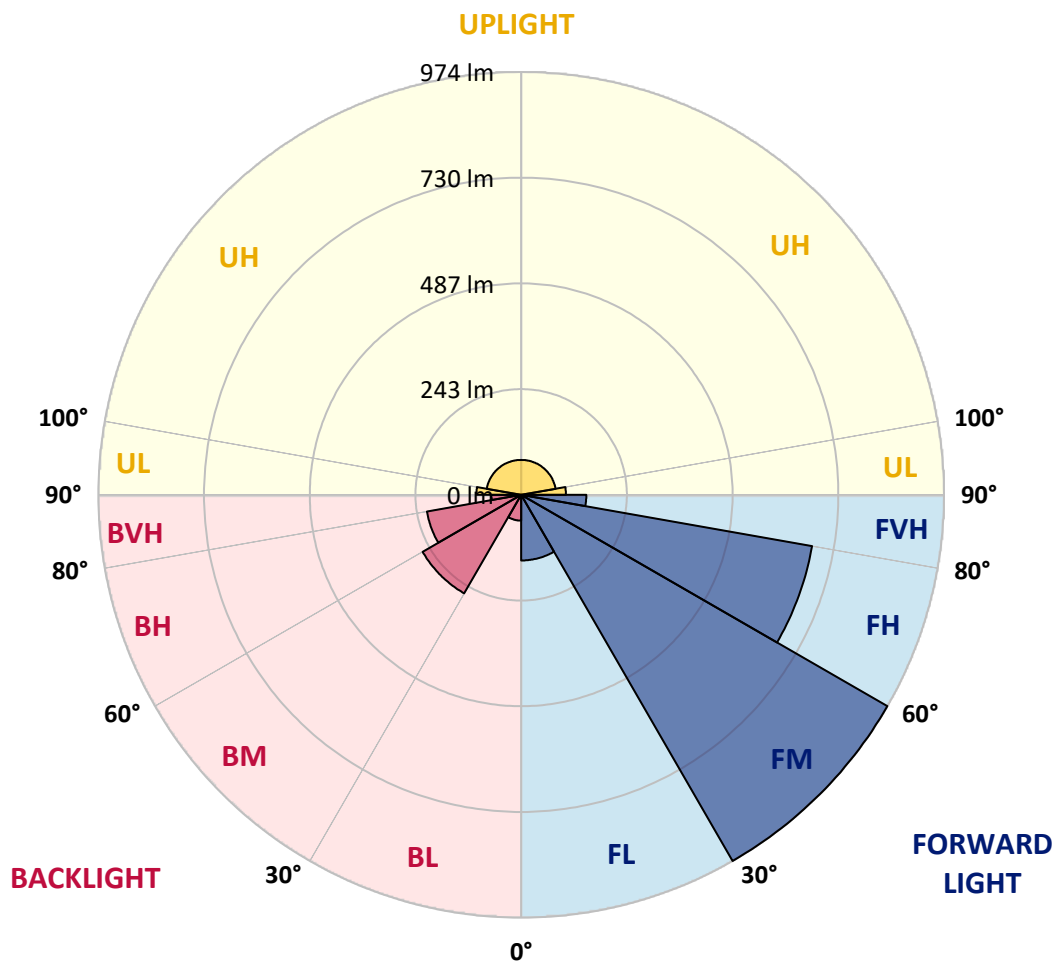
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	151.3	5.5			
FM	(30°-60°)	973.9	35.2			
FH	(60°-80°)	680.3	24.6			G1/1800
FVH	(80°-90°)	150.0	5.4			G2/225
BL	(0°-30°)	59.4	2.1	B0/110		
BM	(30°-60°)	262.1	9.5	B1/1000		
BH	(60°-80°)	220.5	8.0	B1/500		G1/500
BVH	(80°-90°)	68.7	2.5			G1/100
UL	(90°-100°)	103.2	3.7		U3/500	
UH	(100°-180°)	80.4	2.9		U3/500	

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

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	127.7	127.7	127.7	127.7	127.7	127.7	127.7	127.7	127.7	127.7	127.7
2.5°	148.8	147.5	146.8	146.5	144.1	141.8	139.1	136.4	133.4	132.7	130.0
5°	172.0	170.3	169.7	167.6	164.3	160.3	154.5	149.2	142.5	142.8	136.7
7.5°	198.6	197.2	195.2	192.2	187.1	181.8	173.4	165.3	156.2	155.2	146.5
10°	228.8	227.8	225.8	221.1	214.7	205.6	197.2	185.1	172.4	171.7	158.9
12.5°	265.1	263.7	258.0	253.3	244.9	236.5	223.8	209.3	195.5	193.9	178.1
15°	306.1	304.1	300.0	292.6	283.6	269.8	256.3	241.9	223.8	220.7	202.3
17.5°	348.1	348.1	343.0	334.3	321.9	309.8	295.0	276.8	254.0	253.7	229.1
20°	400.8	400.1	392.4	379.6	367.2	354.4	336.6	316.1	290.6	288.3	258.4
22.5°	457.9	457.3	447.8	434.1	417.9	399.8	380.0	358.5	330.6	327.6	292.6
25°	519.7	519.4	509.7	488.5	468.0	450.9	430.4	406.5	374.3	373.6	331.6
27.5°	595.0	591.3	576.2	550.3	524.4	502.3	478.4	456.9	424.7	419.6	372.9
30°	667.6	665.6	645.1	617.2	581.6	552.3	528.1	511.7	478.4	473.7	421.3
32.5°	742.5	741.1	716.3	684.0	640.0	603.7	584.9	567.1	535.2	533.2	469.0
35°	825.5	820.1	791.5	747.2	696.1	655.5	638.7	630.6	599.0	591.6	521.4
37.5°	893.3	889.3	863.4	809.3	749.2	705.5	692.8	687.4	660.2	657.2	578.2
40°	958.9	955.8	924.2	865.8	797.3	753.6	740.8	749.9	728.0	723.3	635.3
42.5°	1006.2	1002.2	973.0	910.8	838.9	792.9	792.6	813.4	797.6	792.6	694.4
45°	1034.4	1030.4	1006.2	946.4	871.5	827.2	834.9	871.5	866.8	860.8	748.5
47.5°	1037.1	1034.8	1017.3	961.9	891.3	854.0	876.2	928.6	933.7	927.9	806.3
50°	1012.6	1015.0	1003.9	959.9	898.4	871.5	909.8	982.7	1001.2	994.5	863.8
52.5°	966.2	963.6	968.3	937.0	891.0	877.6	932.6	1028.1	1062.0	1055.3	916.9
55°	889.0	891.0	907.5	895.7	867.8	870.5	946.4	1064.0	1117.1	1111.7	964.9
57.5°	807.7	803.0	832.5	834.5	826.8	851.7	948.1	1091.2	1165.8	1160.1	1006.2
60°	701.2	712.6	739.1	762.0	775.4	820.4	937.0	1105.3	1201.4	1199.7	1039.5
62.5°	609.1	611.5	647.4	682.0	714.3	776.4	912.5	1105.0	1224.6	1222.6	1059.3
64°	550.7	558.4	592.3	634.3	672.9	744.8	892.3	1095.6	1228.3	1226.6	1062.7
65°	518.7	517.7	558.4	600.7	642.4	721.0	871.8	1085.5	1224.9	1224.9	1061.3
67.5°	431.0	434.4	470.0	518.7	570.1	657.8	819.4	1049.6	1202.8	1205.1	1041.8
70°	355.5	360.5	399.5	442.8	499.6	594.3	754.6	984.7	1150.7	1154.1	999.8
72.5°	293.3	299.0	327.6	371.2	434.1	527.5	681.3	903.4	1077.1	1078.5	929.6
75°	238.5	244.9	273.8	311.8	366.2	455.6	601.4	815.1	969.9	976.7	838.9
77.5°	194.2	200.9	227.5	261.7	313.5	389.7	522.1	712.9	856.0	860.1	735.1
80°	156.9	164.0	187.5	219.7	264.7	331.9	447.8	608.4	733.1	733.1	628.3
82.5°	127.3	133.4	154.5	182.4	223.4	280.2	376.3	505.6	606.1	606.4	519.1
85°	102.8	106.5	127.3	151.9	185.8	234.8	311.1	411.6	488.8	481.8	418.3
87.5°	82.6	86.0	103.5	127.3	154.2	195.9	255.3	335.0	384.3	386.7	334.0
90°	66.5	68.5	84.7	104.8	129.7	161.9	207.6	266.4	302.4	299.3	261.7
92.5°	54.1	56.4	70.2	88.4	109.2	136.1	171.0	211.0	234.2	234.8	204.6
95°	44.3	45.7	58.5	74.6	93.4	113.9	139.4	168.0	183.8	181.8	159.2
97.5°	37.0	37.6	49.4	63.8	79.3	96.1	116.2	133.7	142.5	141.1	124.6
100°	31.2	31.9	42.0	55.4	68.5	82.0	96.1	107.8	110.9	109.2	98.1
102.5°	27.2	27.5	35.9	48.0	59.1	70.2	80.0	87.4	87.0	87.0	77.6
105°	23.9	24.2	31.2	42.0	52.1	60.8	67.5	71.2	69.9	69.2	62.2
107.5°	21.5	21.8	27.5	37.0	46.0	52.7	57.8	58.8	56.1	55.4	50.4



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
110°	19.5	19.5	24.2	32.6	40.7	46.0	49.4	49.4	45.4	45.0	41.7
112.5°	17.8	18.1	21.8	28.9	35.9	40.7	42.7	41.0	37.3	37.0	35.3
115°	16.5	16.8	19.5	25.9	31.9	35.9	37.0	34.6	30.9	30.6	29.2
117.5°	15.5	15.8	17.8	22.8	28.6	31.6	31.9	29.6	25.9	25.5	25.2
120°	14.8	14.8	16.5	20.5	25.2	27.9	27.5	25.2	22.2	21.8	21.8
122.5°	14.1	14.1	15.1	18.1	22.2	24.5	24.2	21.5	18.8	18.8	18.8
125°	13.4	13.4	14.1	16.5	19.8	21.5	20.8	18.5	16.1	16.1	16.8
127.5°	12.8	12.8	13.1	14.4	17.5	18.5	17.8	15.5	14.1	14.1	14.4
130°	12.1	12.1	12.1	13.1	15.1	15.8	15.1	13.1	12.1	12.1	12.8
132.5°	11.4	11.4	11.4	11.4	12.8	13.4	12.4	10.8	10.4	10.8	11.1
135°	10.8	10.8	10.4	10.1	10.8	11.1	10.1	9.1	9.1	9.1	9.7
137.5°	10.1	9.7	9.4	9.1	8.7	8.7	8.1	7.1	7.7	7.7	8.4
140°	9.1	8.7	8.4	7.7	7.1	6.7	6.0	5.7	6.4	6.4	6.7
142.5°	8.1	7.7	7.4	6.4	5.4	4.7	4.0	4.4	5.0	5.0	5.4
145°	6.7	6.7	6.0	5.0	4.0	3.4	2.7	3.0	3.7	3.7	4.0
147.5°	5.7	5.4	5.0	4.0	2.7	2.0	1.3	2.0	2.7	2.7	3.0
150°	4.4	4.0	3.7	2.7	1.7	0.7	0.7	1.3	1.7	1.7	2.0
152.5°	3.0	3.0	2.7	1.7	0.7	0.0	0.3	0.7	1.0	1.0	1.3
155°	2.0	1.7	1.3	1.0	0.3	0.0	0.0	0.3	0.7	0.7	0.7
157.5°	1.0	1.0	0.7	0.7	0.0	0.0	0.0	0.0	0.3	0.3	0.3
160°	0.3	0.3	0.3	0.3	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°	127.7	127.7	127.7	127.7	127.7	127.7	127.7	127.7	127.7	127.7	127.7
2.5°	128.3	127.0	124.0	121.3	118.6	116.2	114.9	113.2	112.9	112.5	112.5
5°	133.0	130.0	124.0	118.3	112.9	108.5	105.2	101.8	100.1	99.4	99.1
7.5°	141.1	136.4	126.7	117.9	109.9	103.1	97.8	93.7	91.4	90.0	89.7
10°	152.2	145.5	132.0	119.9	109.2	100.5	93.7	89.0	86.0	84.7	84.3
12.5°	169.7	158.9	142.1	125.0	110.9	100.1	92.4	87.4	86.0	84.7	84.7
15°	189.5	178.7	155.6	134.4	116.2	102.1	95.4	92.1	90.0	89.0	88.7
17.5°	215.0	198.6	170.7	144.5	123.0	109.5	100.8	97.1	95.1	94.1	93.7
20°	241.2	221.7	187.5	155.6	132.0	118.3	107.8	102.1	100.1	99.1	98.8
22.5°	272.5	249.0	204.9	167.3	142.5	126.3	114.6	107.8	105.5	104.5	104.8
25°	304.4	279.2	223.8	179.7	152.2	133.0	120.9	113.2	111.5	110.2	110.2
27.5°	343.4	309.8	242.9	193.9	160.6	139.1	126.7	118.9	115.9	115.9	115.6
30°	384.3	342.4	263.7	205.9	168.0	144.5	131.0	124.0	120.9	120.6	120.6
32.5°	424.3	377.3	284.2	218.0	173.7	148.2	135.1	128.3	124.6	124.3	124.6
35°	471.0	412.9	303.4	227.8	178.7	151.2	138.1	132.0	128.0	127.7	127.7
37.5°	515.4	449.5	321.9	235.5	182.1	153.2	140.4	135.1	130.7	130.4	130.0
40°	561.7	484.1	338.7	241.9	183.8	154.5	141.8	137.1	133.0	131.7	131.7
42.5°	608.8	519.1	352.8	245.6	184.8	154.9	142.8	138.4	134.7	132.4	132.4
45°	652.8	549.0	364.5	247.6	184.8	155.2	143.5	139.4	136.1	133.0	132.7
47.5°	701.2	579.2	373.6	247.9	183.8	154.5	143.8	140.4	136.7	133.4	133.0
50°	743.5	607.8	379.3	246.9	182.4	154.2	144.1	140.8	137.7	133.7	133.7
52.5°	780.8	630.6	382.0	244.2	180.8	153.5	144.1	141.4	138.8	134.4	134.1
55°	813.7	648.4	381.7	240.2	178.1	152.5	143.8	141.4	139.4	134.7	134.7
57.5°	841.9	660.9	378.6	235.5	175.4	151.9	143.8	141.8	140.1	135.7	135.7
60°	861.1	667.9	372.6	229.8	172.7	150.5	143.5	142.1	141.1	136.7	137.1
62.5°	870.2	666.9	363.2	223.8	169.7	149.2	142.8	141.8	141.4	138.1	138.1
64°	869.5	662.2	356.8	219.4	167.6	148.5	142.5	141.4	141.8	138.8	138.8
65°	865.1	655.5	350.1	216.0	166.0	147.8	141.8	141.1	141.8	138.8	138.8
67.5°	844.0	634.6	332.9	207.6	161.6	144.8	139.8	139.4	140.4	138.4	138.1
70°	802.0	601.7	314.5	196.9	156.2	141.4	136.7	136.4	137.7	136.1	135.4
72.5°	744.8	556.0	292.0	185.8	149.8	136.7	132.7	132.4	133.0	132.0	131.0
75°	672.9	502.3	266.8	173.4	142.8	130.7	127.0	126.3	127.3	126.0	125.3
77.5°	593.0	442.8	240.2	160.3	133.7	124.0	120.3	119.3	119.3	117.6	115.9
80°	505.0	382.0	213.7	146.8	124.3	115.6	112.5	111.2	110.2	107.5	105.8
82.5°	421.6	324.9	186.5	133.0	114.2	106.5	103.5	101.8	99.4	96.1	93.7
85°	343.0	270.5	161.6	118.3	104.2	96.8	94.4	91.4	88.4	84.7	81.6
87.5°	275.5	221.4	139.4	105.2	92.7	87.0	84.3	80.3	77.3	73.2	70.6
90°	218.7	181.4	119.3	92.4	82.6	77.6	75.3	71.2	66.9	62.5	60.1
92.5°	176.4	147.8	102.8	81.6	73.9	69.5	66.5	62.5	57.5	53.1	51.4
95°	140.1	119.6	87.7	72.2	65.5	61.5	58.5	54.8	49.4	44.3	43.0
97.5°	110.9	98.4	74.9	63.5	58.1	54.8	51.4	48.0	42.7	37.6	37.0
100°	89.0	80.0	64.2	56.1	51.4	48.4	45.7	42.0	37.0	31.6	31.6
102.5°	71.9	66.2	55.1	49.4	45.7	43.0	40.3	37.0	31.9	27.2	26.9
105°	58.8	54.8	47.4	43.7	40.7	38.6	35.9	32.3	27.5	23.2	22.8
107.5°	49.1	45.4	41.0	38.6	36.3	34.3	32.3	28.6	23.9	20.2	20.2



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CATALOG NUMBER: LXF.LXT-PA1-30-830-U-T2R-FL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	40.3	39.0	35.6	33.9	32.6	30.6	28.6	24.9	20.5	17.8	17.8
112.5°	34.3	32.9	31.2	30.2	28.9	27.5	25.2	21.8	17.8	15.8	15.8
115°	28.9	28.2	27.2	26.5	25.9	24.5	22.2	18.8	15.1	13.8	14.1
117.5°	25.2	24.9	24.2	23.9	23.2	21.5	19.5	16.5	13.1	12.4	12.4
120°	21.8	21.8	21.2	21.2	20.5	19.2	16.8	14.1	11.4	11.1	11.1
122.5°	19.2	19.2	18.8	18.8	18.1	16.8	14.8	12.1	9.7	9.7	10.1
125°	16.8	16.8	16.5	16.5	16.1	14.8	12.8	10.4	8.7	8.7	8.7
127.5°	14.8	14.8	14.8	14.4	13.8	12.8	10.8	8.7	7.7	7.7	7.7
130°	13.1	13.1	12.8	12.8	12.1	10.8	9.1	7.4	6.4	7.1	7.1
132.5°	11.4	11.4	11.4	10.8	10.1	9.1	7.4	6.0	5.7	6.0	6.0
135°	9.7	10.1	9.7	9.4	8.7	7.4	6.0	5.0	5.0	5.4	5.4
137.5°	8.4	8.4	8.4	7.7	7.1	6.0	4.7	4.0	4.4	4.7	4.7
140°	7.1	7.1	6.7	6.4	5.7	4.7	3.7	3.0	3.7	4.0	4.0
142.5°	5.7	5.7	5.4	5.0	4.0	3.4	2.4	2.4	3.0	3.4	3.4
145°	4.4	4.4	4.0	3.7	3.0	2.0	1.7	2.0	2.7	2.7	2.7
147.5°	3.0	3.0	3.0	2.4	1.7	1.0	0.7	1.3	2.0	2.0	2.4
150°	2.0	2.0	2.0	1.7	1.0	0.3	0.3	1.0	1.3	1.7	1.7
152.5°	1.3	1.3	1.3	1.0	0.7	0.0	0.0	0.7	1.0	1.0	1.0
155°	0.7	0.7	0.7	0.7	0.3	0.0	0.0	0.3	0.7	0.7	0.7
157.5°	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.3	0.7	0.3	0.3
160°	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3	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)