

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: P414830

Luminaire Tested: **LXF.LXT-PA1-30-827-U-T2R-FL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414830  
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-PA1-30-827-U-T2R-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 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: 2562 lumens  
Efficiency: N/A  
Efficacy: 82.6 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

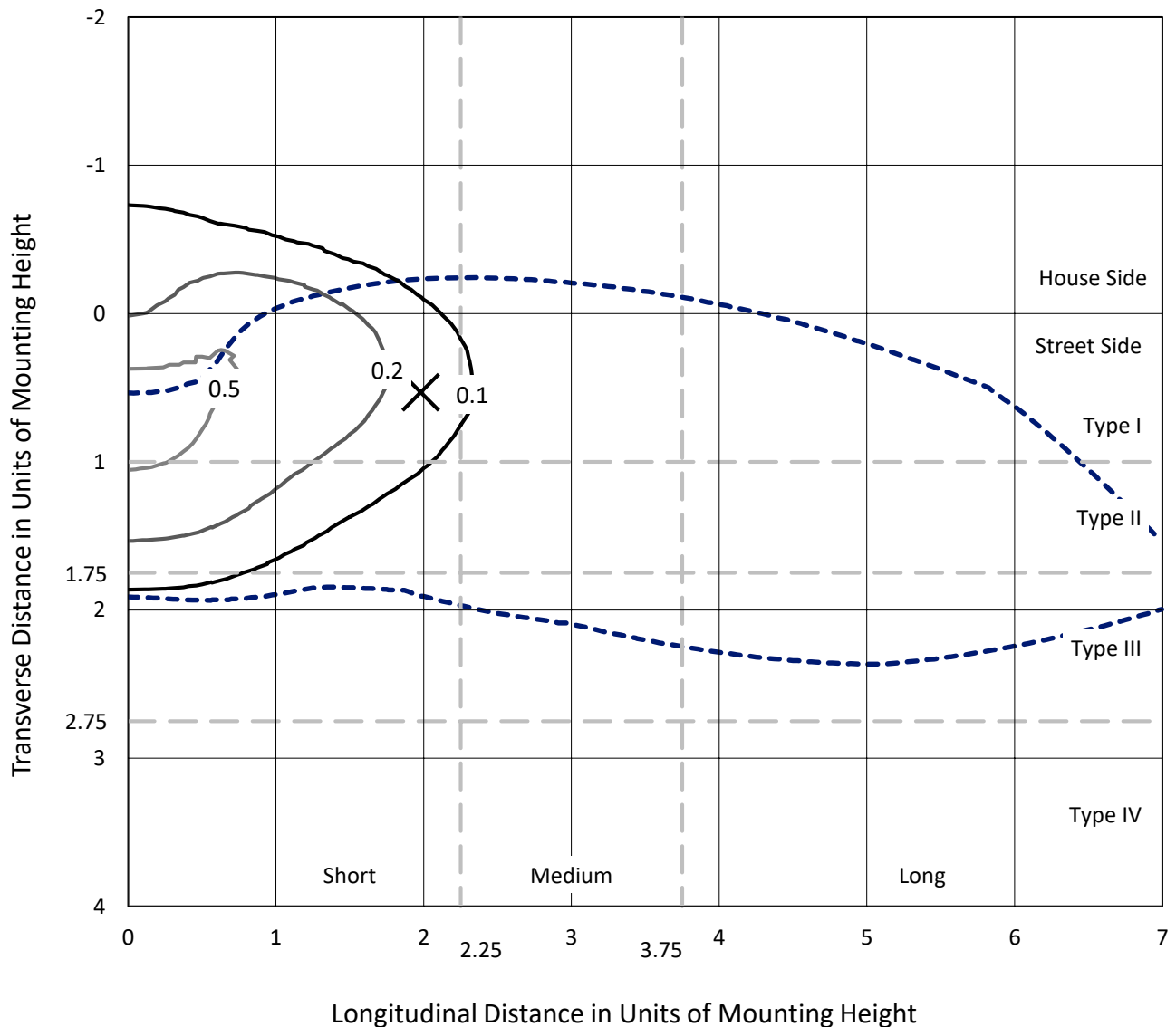
Input Watts (W): 31  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

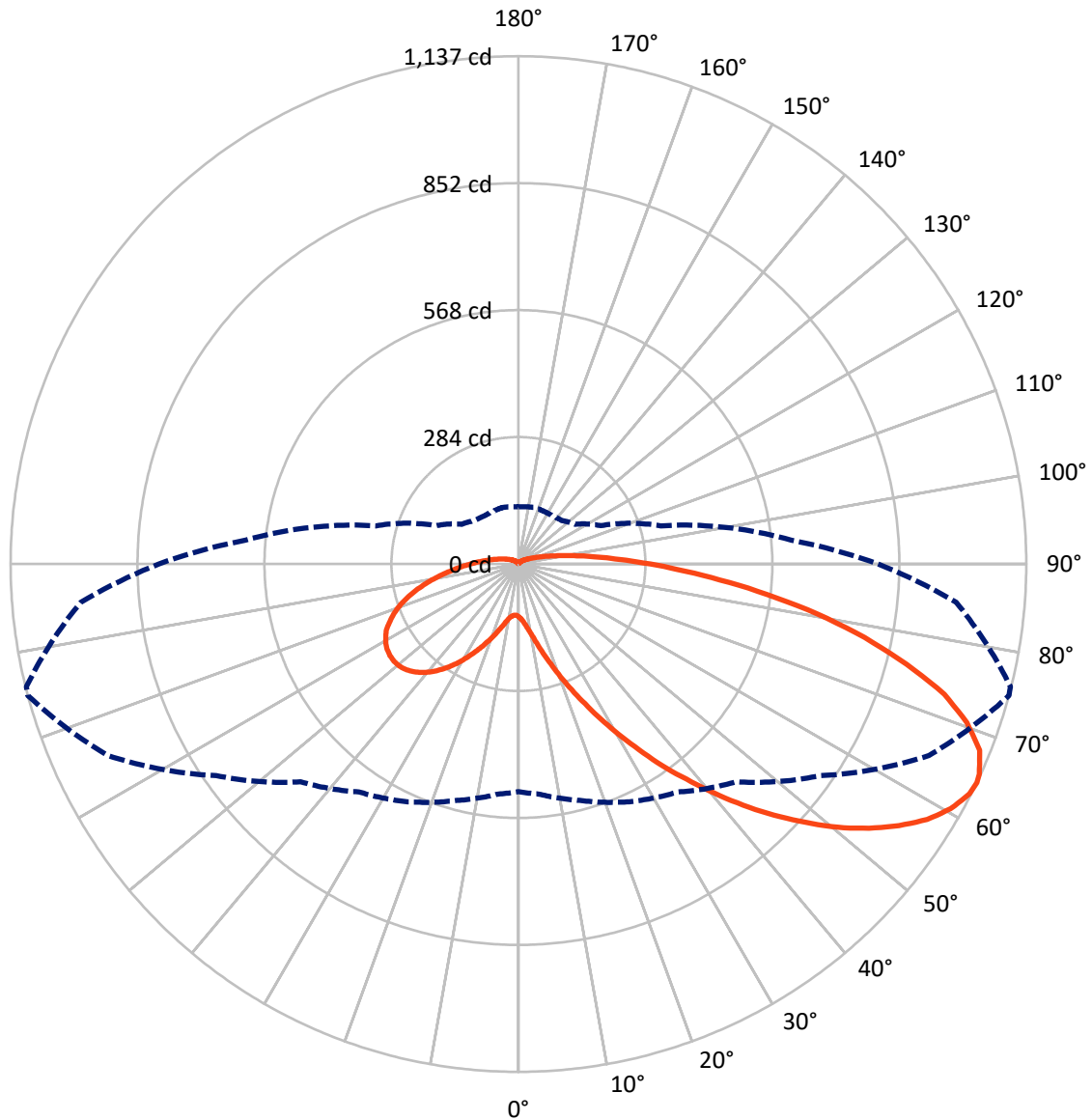


Based on 25 foot mounting height. Maximum calculated value = 0.7 fc  
 Type III - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



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

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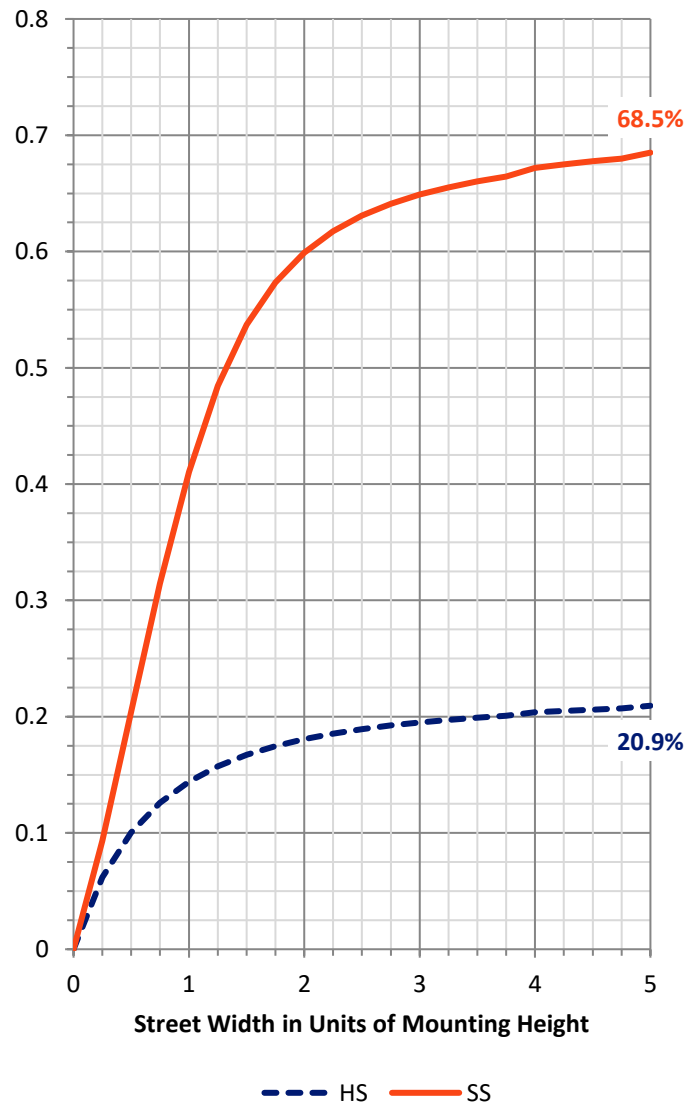
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	565.1	74.4	639.5
	% Fixture	22.1	2.9	25.0
<b>Street Side</b>	Lumens	1809.3	113.2	1922.5
	% Fixture	70.6	4.4	75.0
<b>Total</b>	Lumens	2374.4	187.6	2562.0
	% Fixture	92.7	7.3	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	12.4	0.5
10°-20°	51.7	2.0
20°-30°	130.8	5.1
30°-40°	256.2	10.0
40°-50°	398.6	15.6
50°-60°	488.8	19.1
60°-70°	475.2	18.5
70°-80°	358.3	14.0
80°-90°	202.3	7.9
90°-100°	95.4	3.7
100°-110°	46.1	1.8
110°-120°	24.2	0.9
120°-130°	13.0	0.5
130°-140°	6.4	0.2
140°-150°	2.2	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2374.4	92.7
0°-180°	2562.0	100.0



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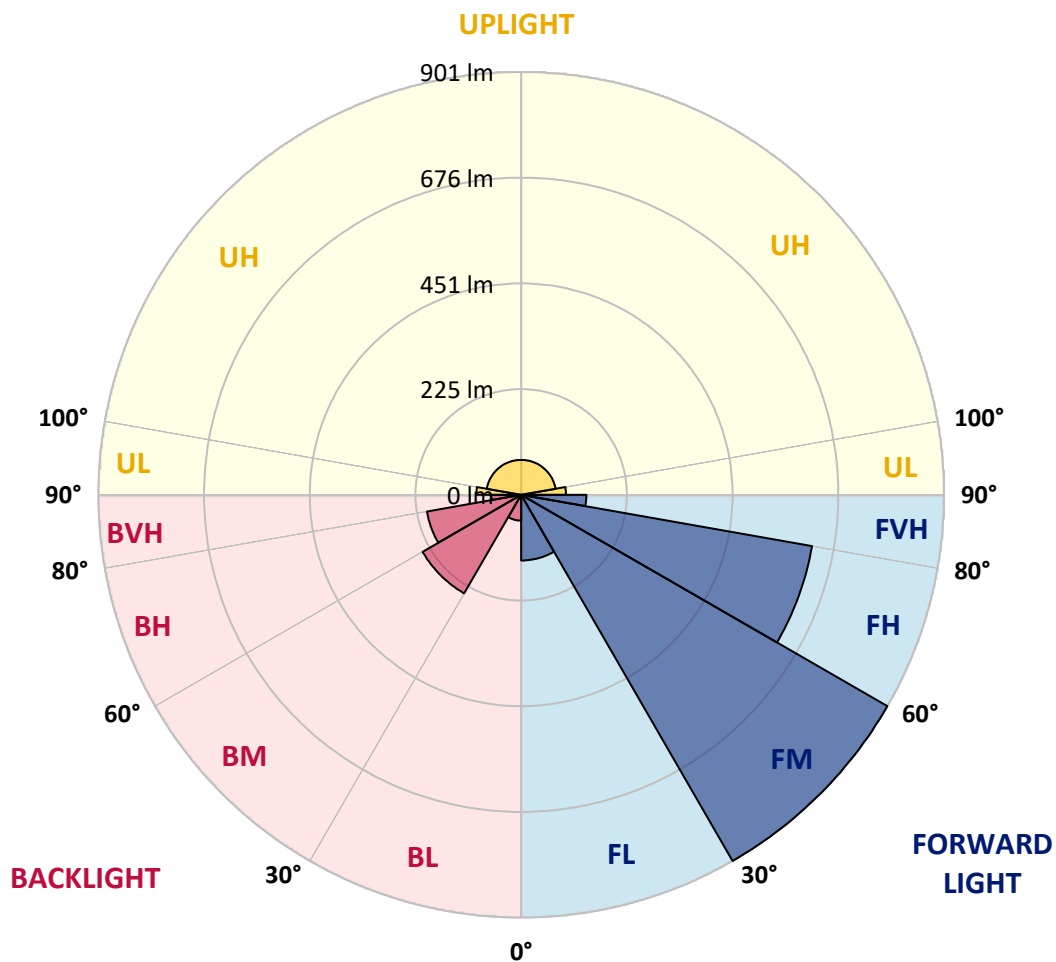
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	140.0	5.5			
FM (30°-60°)	901.1	35.2			
FH (60°-80°)	629.5	24.6			G0/660
FVH (80°-90°)	138.8	5.4			G2/225
BL (0°-30°)	55.0	2.1	B0/110		
BM (30°-60°)	242.5	9.5	B1/1000		
BH (60°-80°)	204.0	8.0	B1/500		G1/500
BVH (80°-90°)	63.6	2.5			G1/100
UL (90°-100°)	95.4	3.7		U3/500	
UH (100°-180°)	74.4	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°	118.1	118.1	118.1	118.1	118.1	118.1	118.1	118.1	118.1	118.1	118.1
2.5°	137.7	136.5	135.8	135.5	133.4	131.2	128.7	126.2	123.4	122.8	120.3
5°	159.2	157.6	157.0	155.1	152.0	148.3	143.0	138.0	131.8	132.1	126.5
7.5°	183.7	182.5	180.6	177.8	173.1	168.2	160.4	152.9	144.5	143.6	135.5
10°	211.7	210.8	208.9	204.5	198.6	190.2	182.5	171.3	159.5	158.8	147.0
12.5°	245.3	244.0	238.7	234.4	226.6	218.8	207.0	193.7	180.9	179.4	164.8
15°	283.2	281.3	277.6	270.8	262.4	249.6	237.2	223.8	207.0	204.2	187.1
17.5°	322.0	322.0	317.4	309.3	297.8	286.6	272.9	256.1	235.0	234.7	212.0
20°	370.8	370.2	363.1	351.3	339.8	327.9	311.5	292.5	268.9	266.7	239.0
22.5°	423.7	423.1	414.4	401.6	386.7	369.9	351.6	331.7	305.9	303.1	270.8
25°	480.9	480.6	471.6	452.0	433.0	417.2	398.2	376.1	346.3	345.7	306.8
27.5°	550.5	547.1	533.1	509.2	485.2	464.7	442.7	422.8	392.9	388.3	345.0
30°	617.7	615.8	596.8	571.0	538.1	511.0	488.7	473.4	442.7	438.3	389.8
32.5°	687.0	685.7	662.7	632.9	592.2	558.6	541.2	524.7	495.2	493.3	434.0
35°	763.8	758.8	732.4	691.3	644.1	606.5	590.9	583.5	554.3	547.4	482.4
37.5°	826.6	822.8	798.9	748.8	693.2	652.8	641.0	636.0	610.8	608.0	535.0
40°	887.2	884.4	855.2	801.1	737.7	697.2	685.4	693.8	673.6	669.3	587.8
42.5°	931.0	927.3	900.2	842.7	776.2	733.6	733.3	752.6	738.0	733.3	642.5
45°	957.1	953.4	931.0	875.7	806.4	765.3	772.5	806.4	802.0	796.4	692.6
47.5°	959.6	957.4	941.3	890.0	824.7	790.2	810.7	859.2	863.9	858.6	746.0
50°	936.9	939.1	928.8	888.1	831.2	806.4	841.8	909.2	926.3	920.1	799.2
52.5°	894.0	891.5	895.9	867.0	824.4	811.9	862.9	951.2	982.6	976.4	848.3
55°	822.5	824.4	839.6	828.7	802.9	805.4	875.7	984.5	1033.6	1028.6	892.8
57.5°	747.3	742.9	770.3	772.2	765.0	788.0	877.2	1009.7	1078.7	1073.4	931.0
60°	648.8	659.3	683.9	705.0	717.4	759.1	867.0	1022.7	1111.6	1110.1	961.8
62.5°	563.6	565.8	599.0	631.0	660.9	718.4	844.3	1022.4	1133.1	1131.2	980.1
64°	509.5	516.6	548.0	586.9	622.6	689.2	825.6	1013.7	1136.5	1134.9	983.2
65°	480.0	479.0	516.6	555.8	594.4	667.1	806.7	1004.4	1133.4	1133.4	982.0
67.5°	398.8	401.9	434.9	480.0	527.5	608.7	758.2	971.1	1112.9	1115.0	964.0
70°	328.9	333.5	369.6	409.7	462.2	549.9	698.2	911.1	1064.7	1067.8	925.1
72.5°	271.4	276.7	303.1	343.5	401.6	488.0	630.4	835.9	996.6	997.8	860.1
75°	220.7	226.6	253.3	288.5	338.8	421.5	556.4	754.1	897.4	903.6	776.2
77.5°	179.7	185.9	210.4	242.2	290.0	360.6	483.1	659.6	792.1	795.8	680.1
80°	145.2	151.7	173.5	203.3	245.0	307.1	414.4	563.0	678.3	678.3	581.3
82.5°	117.8	123.4	143.0	168.8	206.7	259.3	348.2	467.8	560.8	561.1	480.3
85°	95.1	98.5	117.8	140.5	171.9	217.3	287.8	380.8	452.3	445.8	387.0
87.5°	76.5	79.6	95.7	117.8	142.7	181.2	236.2	309.9	355.6	357.8	309.0
90°	61.5	63.4	78.3	97.0	120.0	149.8	192.1	246.5	279.8	277.0	242.2
92.5°	50.0	52.2	65.0	81.8	101.0	125.9	158.2	195.2	216.7	217.3	189.3
95°	41.0	42.3	54.1	69.0	86.4	105.4	129.0	155.4	170.0	168.2	147.3
97.5°	34.2	34.8	45.7	59.1	73.4	88.9	107.6	123.7	131.8	130.6	115.3
100°	28.9	29.5	38.9	51.3	63.4	75.8	88.9	99.8	102.6	101.0	90.8
102.5°	25.2	25.5	33.3	44.5	54.7	65.0	74.0	80.8	80.5	80.5	71.8
105°	22.1	22.4	28.9	38.9	48.2	56.3	62.5	65.9	64.7	64.0	57.5
107.5°	19.9	20.2	25.5	34.2	42.6	48.8	53.5	54.4	51.9	51.3	46.6



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
110°	18.0	18.0	22.4	30.2	37.6	42.6	45.7	45.7	42.0	41.7	38.5
112.5°	16.5	16.8	20.2	26.7	33.3	37.6	39.5	37.9	34.5	34.2	32.6
115°	15.2	15.5	18.0	23.9	29.5	33.3	34.2	32.0	28.6	28.3	27.0
117.5°	14.3	14.6	16.5	21.1	26.4	29.2	29.5	27.4	23.9	23.6	23.3
120°	13.7	13.7	15.2	19.0	23.3	25.8	25.5	23.3	20.5	20.2	20.2
122.5°	13.1	13.1	14.0	16.8	20.5	22.7	22.4	19.9	17.4	17.4	17.4
125°	12.4	12.4	13.1	15.2	18.3	19.9	19.3	17.1	14.9	14.9	15.5
127.5°	11.8	11.8	12.1	13.4	16.2	17.1	16.5	14.3	13.1	13.1	13.4
130°	11.2	11.2	11.2	12.1	14.0	14.6	14.0	12.1	11.2	11.2	11.8
132.5°	10.6	10.6	10.6	10.6	11.8	12.4	11.5	9.9	9.6	9.9	10.3
135°	9.9	9.9	9.6	9.3	9.9	10.3	9.3	8.4	8.4	8.4	9.0
137.5°	9.3	9.0	8.7	8.4	8.1	8.1	7.5	6.5	7.1	7.1	7.8
140°	8.4	8.1	7.8	7.1	6.5	6.2	5.6	5.3	5.9	5.9	6.2
142.5°	7.5	7.1	6.8	5.9	5.0	4.4	3.7	4.0	4.7	4.7	5.0
145°	6.2	6.2	5.6	4.7	3.7	3.1	2.5	2.8	3.4	3.4	3.7
147.5°	5.3	5.0	4.7	3.7	2.5	1.9	1.2	1.9	2.5	2.5	2.8
150°	4.0	3.7	3.4	2.5	1.6	0.6	0.6	1.2	1.6	1.6	1.9
152.5°	2.8	2.8	2.5	1.6	0.6	0.0	0.3	0.6	0.9	0.9	1.2
155°	1.9	1.6	1.2	0.9	0.3	0.0	0.0	0.3	0.6	0.6	0.6
157.5°	0.9	0.9	0.6	0.6	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°	118.1	118.1	118.1	118.1	118.1	118.1	118.1	118.1	118.1	118.1	118.1
2.5°	118.7	117.5	114.7	112.2	109.7	107.6	106.3	104.8	104.4	104.1	104.1
5°	123.1	120.3	114.7	109.4	104.4	100.4	97.3	94.2	92.6	92.0	91.7
7.5°	130.6	126.2	117.2	109.1	101.6	95.4	90.5	86.7	84.6	83.3	83.0
10°	140.8	134.6	122.2	111.0	101.0	92.9	86.7	82.4	79.6	78.3	78.0
12.5°	157.0	147.0	131.5	115.6	102.6	92.6	85.5	80.8	79.6	78.3	78.3
15°	175.3	165.4	143.9	124.3	107.6	94.5	88.3	85.2	83.3	82.4	82.1
17.5°	198.9	183.7	157.9	133.7	113.8	101.3	93.3	89.8	88.0	87.0	86.7
20°	223.2	205.2	173.5	143.9	122.2	109.4	99.8	94.5	92.6	91.7	91.4
22.5°	252.1	230.3	189.6	154.8	131.8	116.9	106.0	99.8	97.6	96.7	97.0
25°	281.6	258.3	207.0	166.3	140.8	123.1	111.9	104.8	103.2	102.0	102.0
27.5°	317.7	286.6	224.7	179.4	148.6	128.7	117.2	110.0	107.2	107.2	106.9
30°	355.6	316.8	244.0	190.6	155.4	133.7	121.2	114.7	111.9	111.6	111.6
32.5°	392.6	349.1	263.0	201.7	160.7	137.1	125.0	118.7	115.3	115.0	115.3
35°	435.8	382.0	280.7	210.8	165.4	139.9	127.8	122.2	118.4	118.1	118.1
37.5°	476.8	415.9	297.8	217.9	168.5	141.7	129.9	125.0	120.9	120.6	120.3
40°	519.7	447.9	313.3	223.8	170.0	143.0	131.2	126.8	123.1	121.9	121.9
42.5°	563.3	480.3	326.4	227.2	171.0	143.3	132.1	128.1	124.7	122.5	122.5
45°	604.0	507.9	337.3	229.1	171.0	143.6	132.7	129.0	125.9	123.1	122.8
47.5°	648.8	535.9	345.7	229.4	170.0	143.0	133.0	129.9	126.5	123.4	123.1
50°	687.9	562.3	351.0	228.5	168.8	142.7	133.4	130.2	127.4	123.7	123.7
52.5°	722.4	583.5	353.4	226.0	167.2	142.1	133.4	130.9	128.4	124.3	124.0
55°	752.9	599.9	353.1	222.3	164.8	141.1	133.0	130.9	129.0	124.7	124.7
57.5°	779.0	611.4	350.3	217.9	162.3	140.5	133.0	131.2	129.6	125.6	125.6
60°	796.7	618.0	344.7	212.6	159.8	139.3	132.7	131.5	130.6	126.5	126.8
62.5°	805.1	617.0	336.0	207.0	157.0	138.0	132.1	131.2	130.9	127.8	127.8
64°	804.5	612.7	330.1	203.0	155.1	137.4	131.8	130.9	131.2	128.4	128.4
65°	800.4	606.5	323.9	199.9	153.6	136.8	131.2	130.6	131.2	128.4	128.4
67.5°	780.9	587.2	308.1	192.1	149.5	134.0	129.3	129.0	129.9	128.1	127.8
70°	742.0	556.7	291.0	182.2	144.5	130.9	126.5	126.2	127.4	125.9	125.3
72.5°	689.2	514.5	270.1	171.9	138.6	126.5	122.8	122.5	123.1	122.2	121.2
75°	622.6	464.7	246.8	160.4	132.1	120.9	117.5	116.9	117.8	116.6	115.9
77.5°	548.7	409.7	222.3	148.3	123.7	114.7	111.3	110.4	110.4	108.8	107.2
80°	467.2	353.4	197.7	135.8	115.0	106.9	104.1	102.9	102.0	99.5	97.9
82.5°	390.1	300.6	172.5	123.1	105.7	98.5	95.7	94.2	92.0	88.9	86.7
85°	317.4	250.2	149.5	109.4	96.4	89.5	87.3	84.6	81.8	78.3	75.5
87.5°	254.9	204.9	129.0	97.3	85.8	80.5	78.0	74.3	71.5	67.8	65.3
90°	202.4	167.9	110.4	85.5	76.5	71.8	69.6	65.9	61.9	57.8	55.6
92.5°	163.2	136.8	95.1	75.5	68.4	64.3	61.5	57.8	53.2	49.1	47.6
95°	129.6	110.7	81.1	66.8	60.6	56.9	54.1	50.7	45.7	41.0	39.8
97.5°	102.6	91.1	69.3	58.8	53.8	50.7	47.6	44.5	39.5	34.8	34.2
100°	82.4	74.0	59.4	51.9	47.6	44.8	42.3	38.9	34.2	29.2	29.2
102.5°	66.5	61.2	51.0	45.7	42.3	39.8	37.3	34.2	29.5	25.2	24.9
105°	54.4	50.7	43.8	40.4	37.6	35.7	33.3	29.8	25.5	21.4	21.1
107.5°	45.4	42.0	37.9	35.7	33.6	31.7	29.8	26.4	22.1	18.7	18.7



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CATALOG NUMBER: LXF.LXT-PA1-30-827-U-T2R-FL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	37.3	36.1	33.0	31.4	30.2	28.3	26.4	23.0	19.0	16.5	16.5
112.5°	31.7	30.5	28.9	28.0	26.7	25.5	23.3	20.2	16.5	14.6	14.6
115°	26.7	26.1	25.2	24.6	23.9	22.7	20.5	17.4	14.0	12.7	13.1
117.5°	23.3	23.0	22.4	22.1	21.4	19.9	18.0	15.2	12.1	11.5	11.5
120°	20.2	20.2	19.6	19.6	19.0	17.7	15.5	13.1	10.6	10.3	10.3
122.5°	17.7	17.7	17.4	17.4	16.8	15.5	13.7	11.2	9.0	9.0	9.3
125°	15.5	15.5	15.2	15.2	14.9	13.7	11.8	9.6	8.1	8.1	8.1
127.5°	13.7	13.7	13.7	13.4	12.7	11.8	9.9	8.1	7.1	7.1	7.1
130°	12.1	12.1	11.8	11.8	11.2	9.9	8.4	6.8	5.9	6.5	6.5
132.5°	10.6	10.6	10.6	9.9	9.3	8.4	6.8	5.6	5.3	5.6	5.6
135°	9.0	9.3	9.0	8.7	8.1	6.8	5.6	4.7	4.7	5.0	5.0
137.5°	7.8	7.8	7.8	7.1	6.5	5.6	4.4	3.7	4.0	4.4	4.4
140°	6.5	6.5	6.2	5.9	5.3	4.4	3.4	2.8	3.4	3.7	3.7
142.5°	5.3	5.3	5.0	4.7	3.7	3.1	2.2	2.2	2.8	3.1	3.1
145°	4.0	4.0	3.7	3.4	2.8	1.9	1.6	1.9	2.5	2.5	2.5
147.5°	2.8	2.8	2.8	2.2	1.6	0.9	0.6	1.2	1.9	1.9	2.2
150°	1.9	1.9	1.9	1.6	0.9	0.3	0.3	0.9	1.2	1.6	1.6
152.5°	1.2	1.2	1.2	0.9	0.6	0.0	0.0	0.6	0.9	0.9	0.9
155°	0.6	0.6	0.6	0.6	0.3	0.0	0.0	0.3	0.6	0.6	0.6
157.5°	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.3	0.6	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)