

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: P414233

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

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414233
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-18)
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-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2313 lumens
Efficiency: N/A
Efficacy: 110.1 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 - U3 - G2

Input Watts (W): 21
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

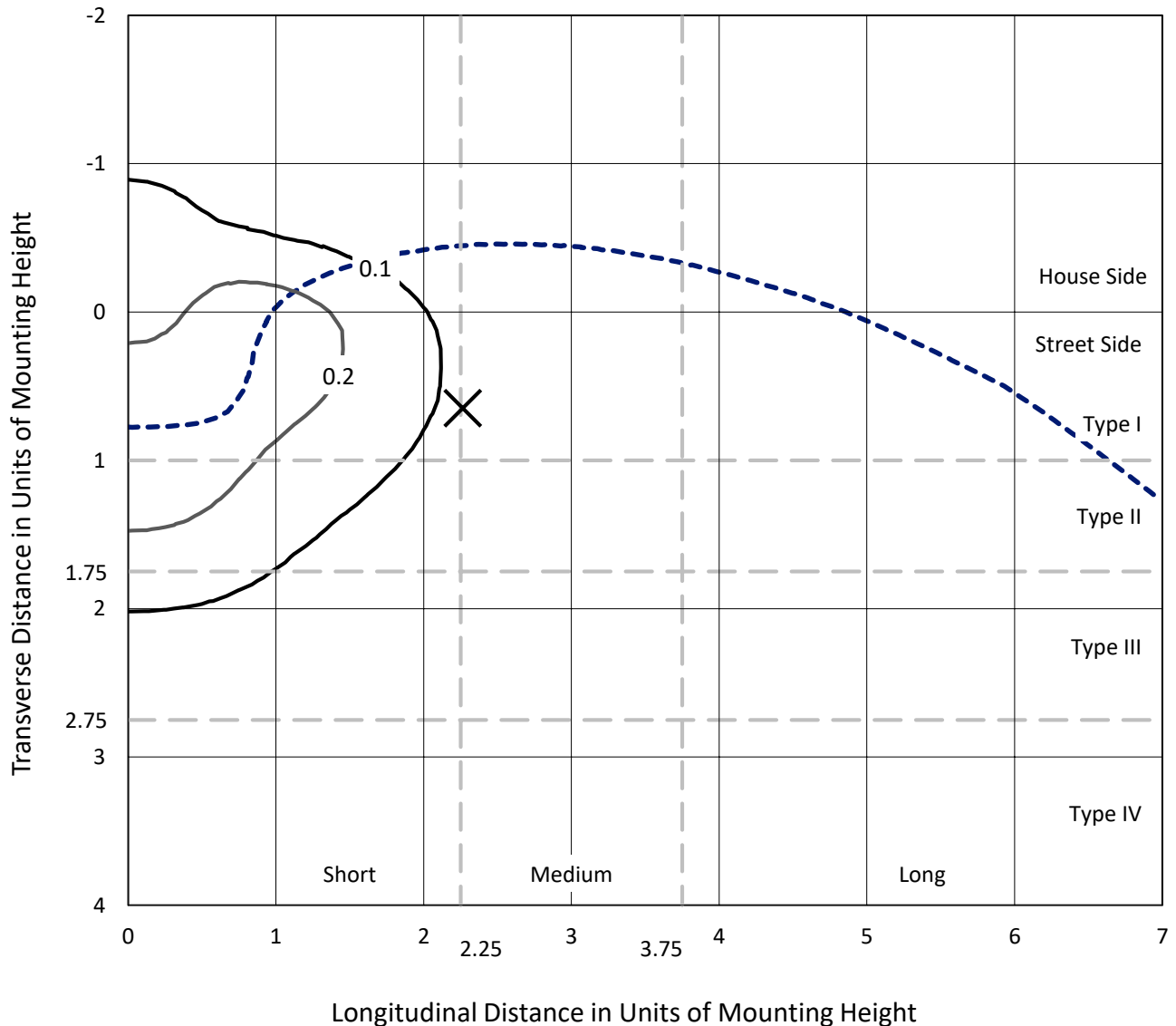


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

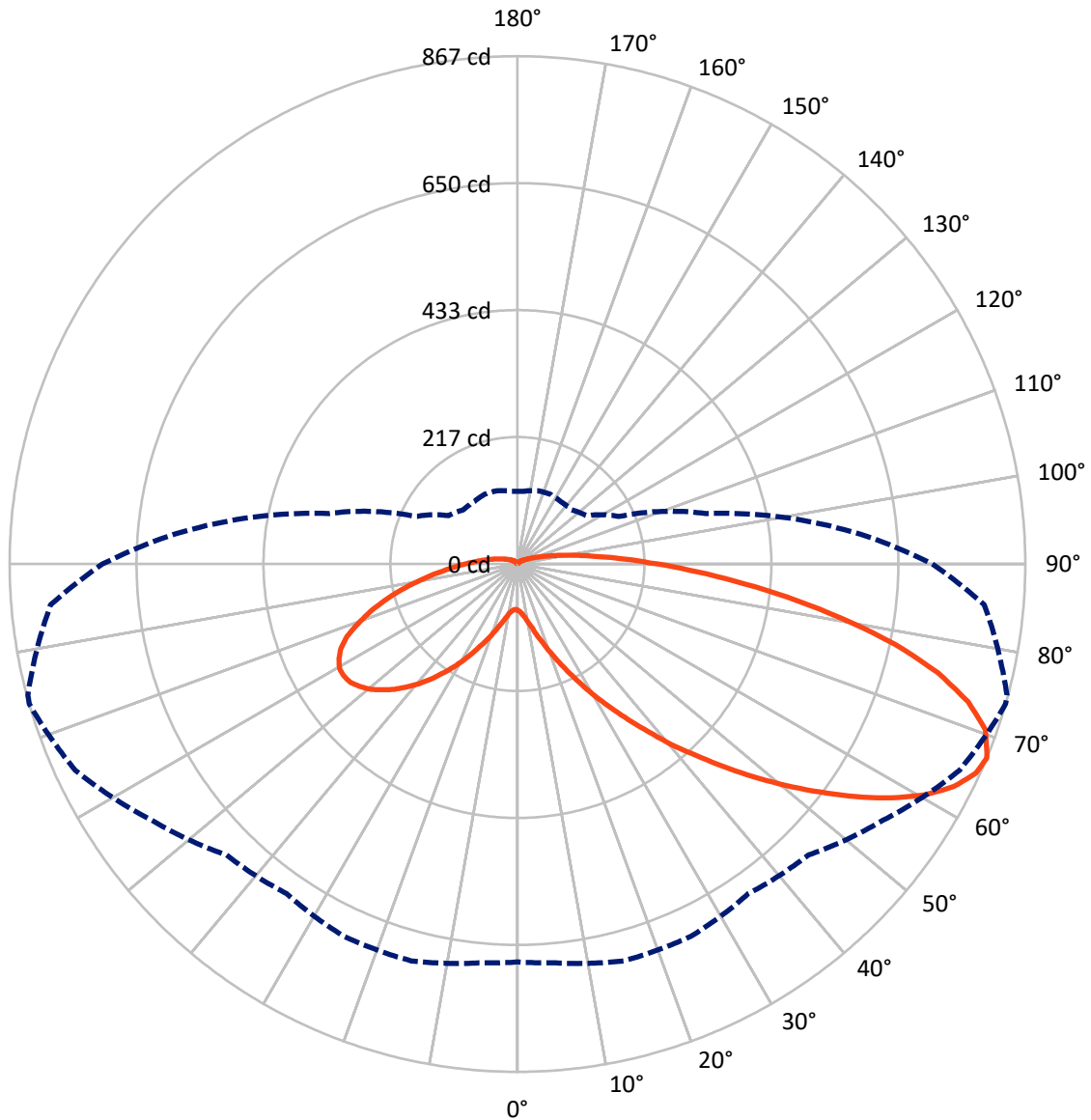


Based on 25 foot mounting height. Maximum calculated value = 0.3 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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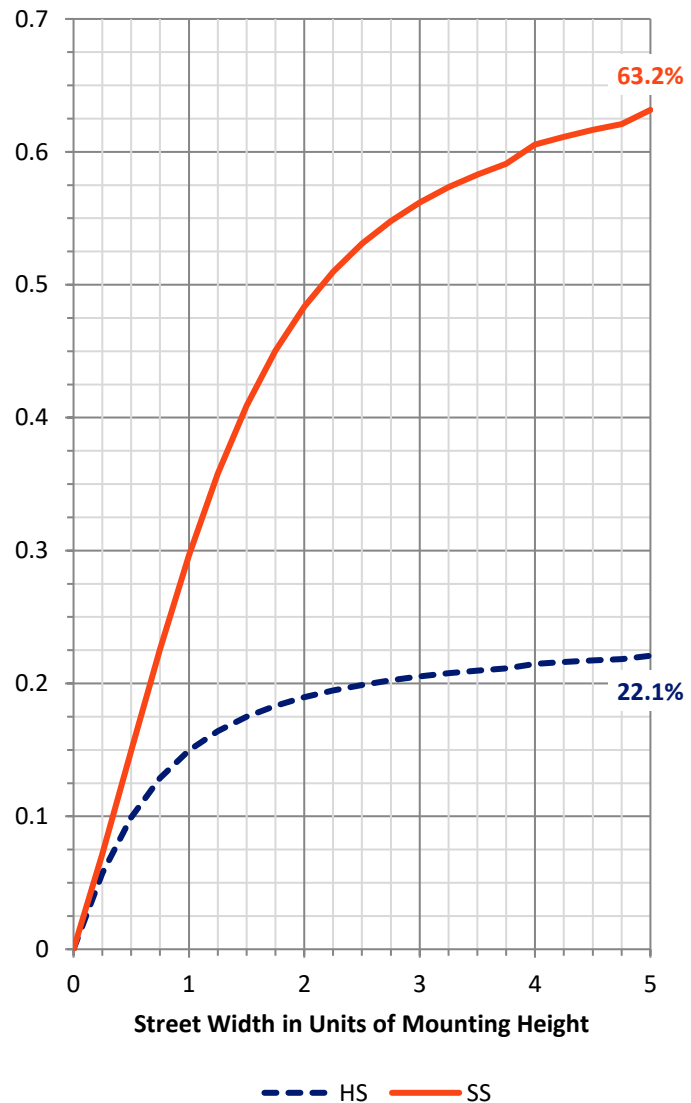
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	539.4	64.8	604.2
	% Fixture	23.3	2.8	26.1
Street Side	Lumens	1560.9	147.9	1708.8
	% Fixture	67.5	6.4	73.9
Total	Lumens	2100.3	212.7	2313.0
	% Fixture	90.8	9.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.2	0.4
10°-20°	33.7	1.5
20°-30°	83.7	3.6
30°-40°	163.5	7.1
40°-50°	270.3	11.7
50°-60°	391.8	16.9
60°-70°	474.2	20.5
70°-80°	421.6	18.2
80°-90°	253.3	10.9
90°-100°	116.3	5.0
100°-110°	51.8	2.2
110°-120°	24.7	1.1
120°-130°	12.2	0.5
130°-140°	5.6	0.2
140°-150°	1.8	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2100.3	90.8
0°-180°	2313.0	100.0



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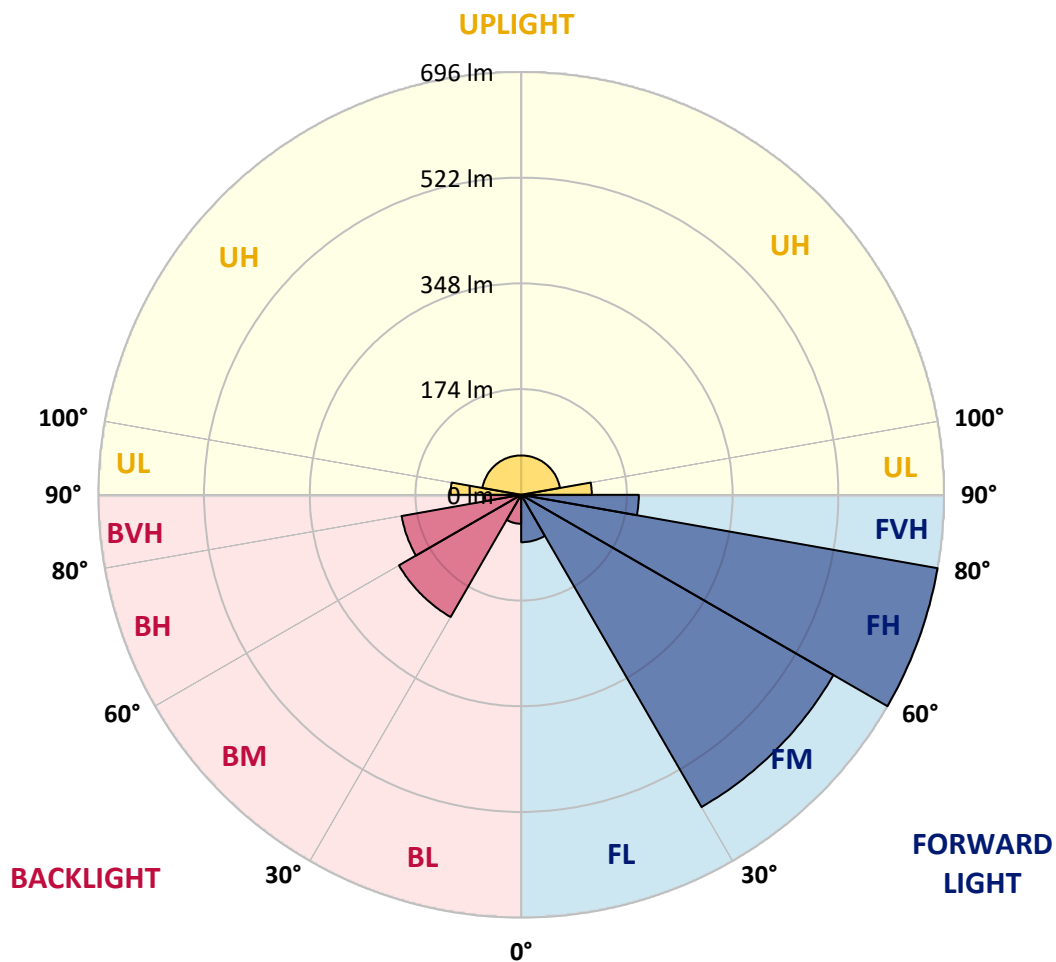
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	78.0	3.4			
FM (30°-60°)	593.4	25.7			
FH (60°-80°)	695.9	30.1			G1/1800
FVH (80°-90°)	193.6	8.4			G2/225
BL (0°-30°)	47.6	2.1	B0/110		
BM (30°-60°)	232.2	10.0	B1/1000		
BH (60°-80°)	199.9	8.6	B1/500		G1/500
BVH (80°-90°)	59.7	2.6			G1/100
UL (90°-100°)	116.3	5.0		U3/500	
UH (100°-180°)	64.8	2.8		U3/500	

BUG Rating: B1-U3-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
2.5°	87.0	86.2	86.2	85.6	85.4	84.5	84.0	82.1	81.2	81.2	79.9
5°	96.3	95.8	94.7	94.7	93.6	92.5	90.3	87.8	85.9	85.6	83.2
7.5°	107.9	106.5	106.5	105.1	103.5	101.6	98.5	95.2	92.2	92.0	88.1
10°	121.0	120.5	120.0	118.0	115.8	112.0	109.2	104.6	101.0	100.7	95.5
12.5°	137.2	136.4	134.8	132.9	129.0	126.3	121.3	116.1	111.4	111.7	105.7
15°	154.8	154.3	153.2	150.1	145.8	141.9	137.0	131.5	126.8	124.9	118.6
17.5°	174.8	173.8	172.4	169.1	164.1	160.3	153.7	148.5	142.5	142.7	133.7
20°	198.5	197.4	195.4	190.2	185.8	180.6	173.8	168.0	161.1	160.6	151.5
22.5°	221.8	222.3	217.7	212.2	208.1	202.0	195.4	188.0	182.0	181.4	171.0
25°	250.6	248.7	244.0	237.7	231.4	224.0	218.2	211.6	205.9	205.3	193.0
27.5°	280.8	279.2	272.8	264.9	256.4	248.1	243.2	236.3	231.9	231.1	218.5
30°	313.7	311.0	305.2	294.5	282.7	273.4	268.4	266.0	261.9	260.8	247.9
32.5°	350.8	347.2	338.7	325.8	308.8	298.4	296.2	294.0	292.3	290.7	278.6
35°	387.6	386.5	373.9	357.9	341.2	327.5	323.6	327.2	326.1	325.0	312.1
37.5°	426.3	428.2	414.5	393.6	370.6	356.0	353.3	359.9	362.9	362.9	347.5
40°	471.8	470.2	456.5	430.9	404.0	387.0	387.9	397.7	405.1	403.5	388.4
42.5°	517.1	513.6	495.5	470.5	436.4	419.4	419.4	434.5	445.8	446.0	430.1
45°	561.6	557.8	540.7	508.1	471.0	452.6	456.5	474.9	493.3	490.8	475.1
47.5°	602.2	600.6	583.0	548.2	506.4	487.2	494.9	522.4	542.4	542.4	525.1
50°	642.0	639.8	623.4	584.1	542.1	523.2	534.7	568.2	593.7	595.1	575.1
52.5°	676.3	675.0	659.6	620.6	577.2	558.0	575.3	617.3	646.7	649.7	628.6
55°	701.0	701.9	690.1	653.0	609.1	593.2	616.8	666.2	701.0	701.6	678.8
57.5°	719.2	720.3	712.3	680.2	637.1	625.0	656.9	713.4	752.9	755.4	725.5
60°	726.8	728.8	726.3	699.4	662.1	654.4	692.8	755.7	799.6	800.4	764.5
62.5°	722.7	724.6	729.6	710.4	680.2	679.9	727.7	792.4	836.1	837.2	794.1
65°	704.1	707.1	719.4	710.4	686.8	695.8	750.7	820.7	860.0	861.3	805.6
67°	679.1	682.9	701.0	700.8	686.8	702.1	762.0	832.5	866.6	864.9	799.6
67.5°	673.3	677.2	695.3	698.0	684.8	703.0	763.4	833.9	864.1	863.8	795.7
70°	624.5	631.3	657.7	670.8	670.6	696.4	762.8	826.5	847.3	844.6	763.6
72.5°	568.2	576.7	608.8	634.1	642.3	675.8	742.8	797.1	804.0	800.7	703.5
75°	510.3	514.9	548.4	584.4	605.2	640.9	705.2	750.5	740.8	732.9	628.3
77.5°	449.1	451.0	488.3	528.7	553.9	595.1	649.2	682.1	658.5	651.9	542.7
80°	378.0	385.9	423.3	465.3	496.5	533.9	579.4	599.2	559.7	553.6	451.5
82.5°	319.8	324.7	358.8	399.9	435.1	470.2	499.8	505.1	463.6	459.2	362.9
85°	261.0	265.4	301.1	339.3	372.2	401.6	421.3	413.7	370.6	365.9	286.8
87.5°	216.0	219.3	244.0	282.7	311.8	333.0	343.4	333.8	292.6	286.0	221.5
90°	171.3	176.2	198.5	231.1	260.8	274.5	275.6	259.7	225.9	221.0	169.6
92.5°	138.3	141.6	162.8	189.9	213.3	223.7	221.0	207.5	176.5	170.7	131.2
95°	112.0	114.7	132.3	156.2	175.1	184.7	177.0	159.2	134.8	132.6	101.3
97.5°	93.1	93.6	107.3	128.7	143.8	148.8	142.7	126.5	105.4	101.0	77.7
100°	76.0	76.6	88.1	104.3	118.0	121.3	115.3	99.6	81.8	79.1	60.9
102.5°	61.8	63.1	71.9	86.5	96.6	99.1	92.8	79.1	63.1	61.2	47.5
105°	52.4	52.7	60.4	71.4	80.4	82.3	76.0	64.2	49.7	48.6	37.9
107.5°	44.5	44.5	50.5	60.1	67.2	68.3	63.4	52.4	39.3	38.2	30.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	38.2	38.4	42.8	50.5	57.1	57.9	53.0	42.0	31.3	30.5	25.0
112.5°	33.2	33.8	36.8	42.8	48.6	49.4	44.5	34.3	25.5	24.4	20.9
115°	29.4	29.6	31.8	36.8	41.4	42.0	37.1	28.3	20.6	19.8	17.6
117.5°	26.1	26.4	28.0	32.1	35.7	36.0	31.0	23.3	17.3	16.5	15.4
120°	23.6	23.6	25.0	27.7	30.7	30.7	26.1	19.2	14.3	14.0	13.2
122.5°	21.4	21.4	22.2	24.2	26.4	25.8	21.7	15.9	12.1	11.8	11.5
125°	19.5	19.5	20.0	21.1	22.5	21.7	17.8	13.2	10.4	10.2	10.2
127.5°	17.6	17.6	17.8	18.7	18.9	18.1	14.8	11.0	9.1	8.8	9.1
130°	15.9	15.9	15.9	15.9	15.9	15.4	12.1	9.1	7.7	7.7	8.0
132.5°	14.3	14.3	14.0	13.7	13.4	12.4	9.9	7.4	6.9	6.9	7.1
135°	12.6	12.6	12.4	11.8	11.0	9.6	7.4	6.0	5.8	5.8	6.0
137.5°	11.0	11.0	10.7	9.9	8.8	7.4	5.8	4.9	4.9	4.9	5.2
140°	9.3	9.3	9.1	8.2	6.9	5.5	4.4	3.8	4.1	4.1	4.4
142.5°	8.0	7.7	7.4	6.6	5.2	3.8	3.0	3.0	3.3	3.3	3.6
145°	6.3	6.0	5.8	4.9	3.8	2.7	2.2	2.2	2.5	2.5	2.7
147.5°	4.9	4.7	4.4	3.6	2.7	1.9	1.4	1.6	1.9	1.9	1.9
150°	3.3	3.3	3.3	2.7	1.6	1.1	0.8	1.1	1.1	1.1	1.4
152.5°	2.2	2.2	2.2	1.6	1.1	0.5	0.5	0.5	0.8	0.8	0.8
155°	1.4	1.4	1.4	1.1	0.5	0.3	0.3	0.3	0.5	0.5	0.5
157.5°	0.5	0.5	0.5	0.5	0.5	0.3	0.0	0.3	0.3	0.3	0.3
160°	0.3	0.3	0.5	0.5	0.5	0.3	0.0	0.0	0.3	0.3	0.3
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°	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
2.5°	79.3	78.8	77.7	76.9	76.0	75.2	74.4	73.8	73.0	73.0	73.0
5°	82.1	80.7	78.5	76.9	74.9	73.6	71.9	70.8	70.0	69.7	69.7
7.5°	86.7	84.8	81.5	78.2	75.5	73.3	71.4	70.0	68.9	68.6	68.6
10°	93.3	90.9	85.6	81.8	78.2	75.2	72.7	70.8	70.0	69.4	69.4
12.5°	102.9	99.6	93.6	87.0	82.3	78.5	75.5	74.7	74.7	74.9	74.7
15°	114.5	111.2	102.9	95.2	88.4	84.0	82.3	82.3	82.1	82.6	82.6
17.5°	129.0	124.3	114.5	104.3	96.3	92.2	90.6	90.0	90.6	91.4	90.9
20°	146.3	139.4	127.1	114.5	106.0	101.8	99.1	98.5	99.4	99.9	100.2
22.5°	164.4	157.0	141.4	125.2	116.4	110.9	107.9	107.1	108.4	109.8	110.1
25°	185.0	176.8	156.7	138.1	125.7	118.3	115.6	115.3	117.5	119.4	119.4
27.5°	210.0	199.0	173.5	152.1	136.1	126.3	123.2	123.5	126.5	128.2	128.7
30°	236.1	223.7	192.7	165.0	144.4	132.6	129.3	130.7	133.7	137.0	137.5
32.5°	265.4	250.9	211.4	177.9	151.8	137.5	134.0	136.7	140.0	143.8	144.4
35°	296.2	276.7	230.6	189.7	157.8	141.4	137.2	140.5	144.7	148.2	149.3
37.5°	331.0	308.0	251.4	199.3	162.5	143.6	139.2	143.0	147.7	151.2	151.5
40°	366.7	340.1	271.2	208.3	165.8	144.9	140.3	144.1	148.5	151.5	151.8
42.5°	404.0	372.8	289.6	215.7	167.4	144.9	139.7	143.6	147.7	149.3	149.6
45°	447.7	407.3	308.5	221.0	168.0	144.4	138.9	141.9	144.9	145.5	146.3
47.5°	491.6	441.7	324.7	224.8	167.7	143.0	137.5	140.0	141.9	141.4	142.2
50°	538.0	479.0	340.4	227.3	166.3	141.6	135.6	137.8	138.3	136.7	136.7
52.5°	582.5	511.4	352.4	227.6	164.4	140.0	134.2	135.9	135.6	132.6	132.9
55°	626.9	546.0	362.6	225.1	161.7	138.3	132.9	134.0	133.1	129.6	129.0
57.5°	665.1	574.0	367.0	221.5	158.7	136.7	132.0	133.1	131.5	127.4	127.1
60°	697.5	595.6	367.3	216.6	155.1	135.3	131.2	132.6	131.2	126.3	125.7
62.5°	717.5	605.5	360.1	208.9	151.5	133.7	131.2	132.3	130.7	125.7	125.4
65°	720.8	600.6	348.6	200.1	147.4	132.0	130.7	132.0	130.4	125.2	124.6
67°	707.9	586.3	333.0	191.9	143.8	130.7	129.6	131.5	129.6	124.6	123.8
67.5°	703.5	579.7	329.4	190.8	143.0	130.1	129.3	130.9	129.3	124.3	123.5
70°	665.1	543.8	302.5	178.7	137.8	127.4	127.4	128.7	127.1	122.4	121.0
72.5°	605.8	493.3	275.6	167.2	132.0	123.2	124.1	125.4	123.8	119.4	117.8
75°	537.2	436.4	245.7	153.7	125.4	119.1	119.7	121.0	119.4	114.7	113.4
77.5°	460.9	370.8	215.5	141.4	118.6	113.6	113.9	114.7	113.4	108.7	107.3
80°	379.1	305.8	184.7	127.4	110.6	106.8	107.1	107.1	105.1	101.3	100.2
82.5°	305.5	248.4	157.6	115.0	101.8	99.1	99.1	98.8	96.3	93.1	91.4
85°	237.7	200.4	132.0	102.4	93.1	90.6	90.3	89.2	86.7	83.2	81.2
87.5°	186.4	158.7	111.2	90.3	84.3	82.6	81.0	78.5	76.6	73.6	71.9
90°	145.5	126.0	93.9	79.3	75.8	73.6	71.9	68.9	65.9	62.9	62.0
92.5°	113.9	99.6	78.2	69.2	67.0	65.3	63.1	59.8	57.1	53.5	53.8
95°	90.3	81.0	66.7	60.9	59.3	57.9	55.2	51.6	48.6	45.3	44.7
97.5°	70.8	64.5	56.0	53.0	52.4	50.8	48.0	44.5	41.2	37.6	37.6
100°	56.3	52.7	47.2	46.7	45.6	44.5	41.7	38.4	34.3	31.3	31.3
102.5°	45.3	42.3	40.3	40.3	40.1	39.0	36.2	32.9	28.8	25.8	25.8
105°	36.2	35.1	34.3	35.1	35.4	34.3	31.6	28.0	23.9	21.1	21.7
107.5°	30.2	29.4	29.4	30.5	31.0	29.9	27.4	23.6	19.8	17.8	17.8



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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	25.0	24.7	25.3	26.6	26.9	26.1	23.6	20.0	16.5	14.8	15.1
112.5°	21.1	20.9	22.0	23.3	23.6	22.8	20.3	17.0	13.7	12.6	12.6
115°	17.8	18.1	18.9	20.0	20.6	19.8	17.6	14.5	11.3	10.7	10.7
117.5°	15.4	15.6	16.5	17.8	18.1	17.0	14.8	12.1	9.6	9.3	9.3
120°	13.4	13.7	14.5	15.4	15.6	14.5	12.6	10.2	8.2	8.0	8.0
122.5°	11.8	12.4	12.9	13.4	13.7	12.6	11.0	8.5	6.9	6.9	7.1
125°	10.4	10.7	11.3	11.8	11.8	10.7	9.1	7.1	6.0	6.0	6.0
127.5°	9.3	9.3	9.6	10.2	10.2	9.3	7.7	5.8	5.2	5.2	5.5
130°	8.2	8.5	8.5	8.5	8.5	7.7	6.3	4.9	4.4	4.7	4.7
132.5°	7.1	7.4	7.4	7.4	7.1	6.3	5.2	4.1	3.8	4.1	4.1
135°	6.3	6.3	6.3	6.3	5.8	5.2	4.1	3.3	3.3	3.6	3.6
137.5°	5.5	5.5	5.5	5.2	4.7	4.1	3.3	2.7	2.7	3.0	3.0
140°	4.4	4.7	4.4	4.1	3.6	3.0	2.5	2.2	2.5	2.5	2.5
142.5°	3.6	3.6	3.6	3.3	2.7	2.2	1.9	1.6	1.9	1.9	2.2
145°	2.7	2.7	2.7	2.5	1.9	1.4	1.4	1.4	1.6	1.6	1.6
147.5°	1.9	1.9	1.9	1.6	1.1	0.8	0.8	0.8	1.1	1.1	1.1
150°	1.4	1.4	1.4	1.1	0.5	0.3	0.3	0.5	0.8	0.8	0.8
152.5°	0.8	0.8	0.8	0.5	0.3	0.0	0.3	0.5	0.5	0.3	0.3
155°	0.5	0.5	0.5	0.5	0.3	0.0	0.3	0.3	0.3	0.0	0.0
157.5°	0.5	0.5	0.3	0.3	0.0	0.0	0.0	0.3	0.0	0.0	0.0
160°	0.3	0.3	0.3	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)