

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: P414848

Luminaire Tested: **LXF.LXT-PA1-30-827-U-T3-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414848
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-17)
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-T3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2643 lumens
Efficiency: N/A
Efficacy: 85.3 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

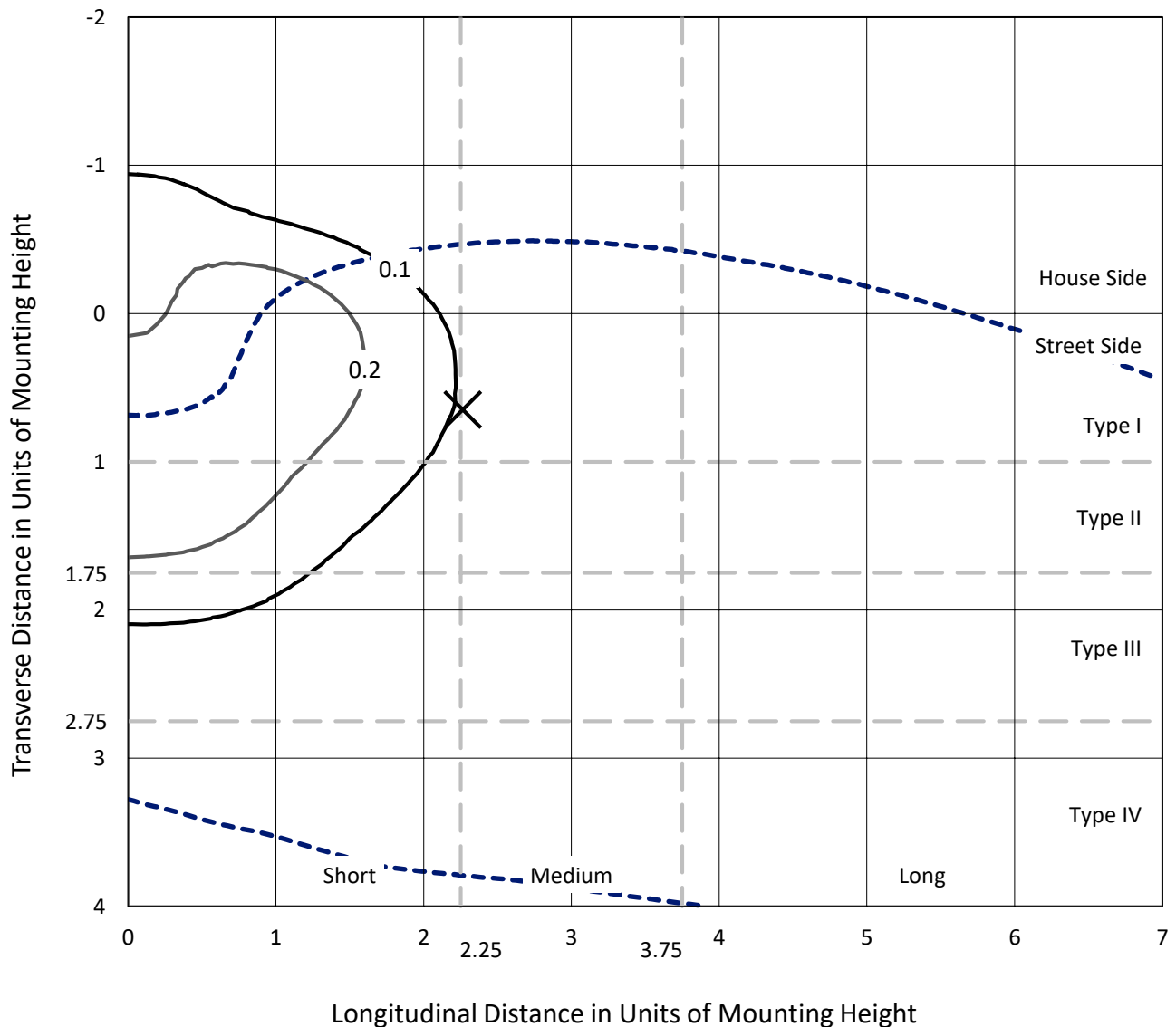
Input Watts (W): 31
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

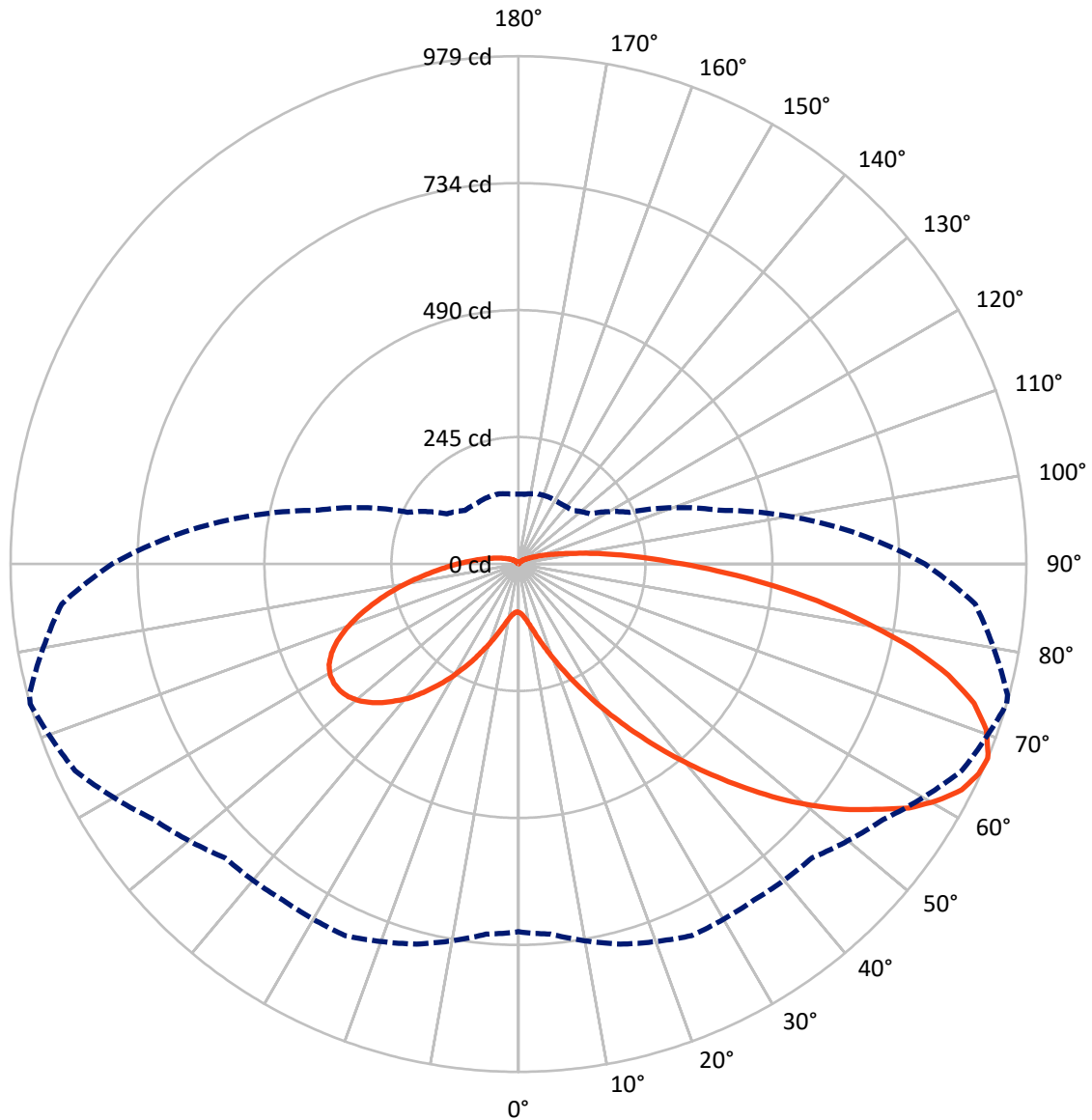
× Max cd
 - - - 1/2 Max cd



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

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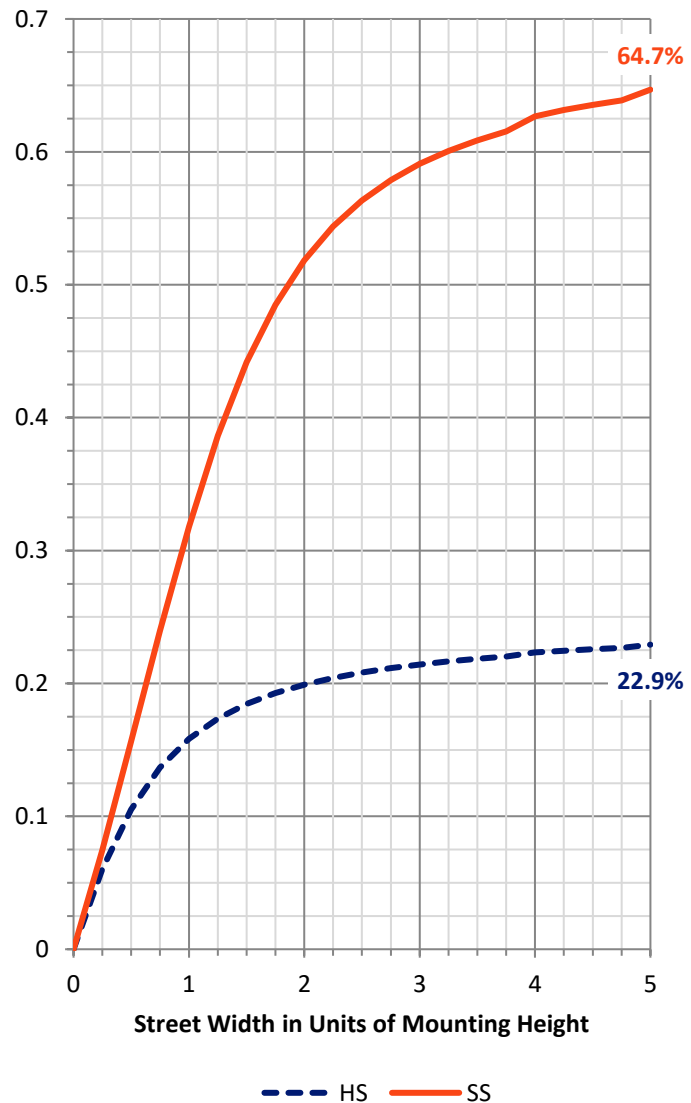
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	637.1	78.8	715.9
	% Fixture	24.1	3.0	27.1
Street Side	Lumens	1789.9	137.2	1927.1
	% Fixture	67.7	5.2	72.9
Total	Lumens	2427.0	216.0	2643.0
	% Fixture	91.8	8.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.8	0.4
10°-20°	40.6	1.5
20°-30°	102.7	3.9
30°-40°	206.0	7.8
40°-50°	345.8	13.1
50°-60°	485.1	18.4
60°-70°	542.2	20.5
70°-80°	442.4	16.7
80°-90°	252.5	9.6
90°-100°	115.4	4.4
100°-110°	52.8	2.0
110°-120°	26.0	1.0
120°-130°	13.2	0.5
130°-140°	6.1	0.2
140°-150°	2.0	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2427.0	91.8
0°-180°	2643.0	100.0



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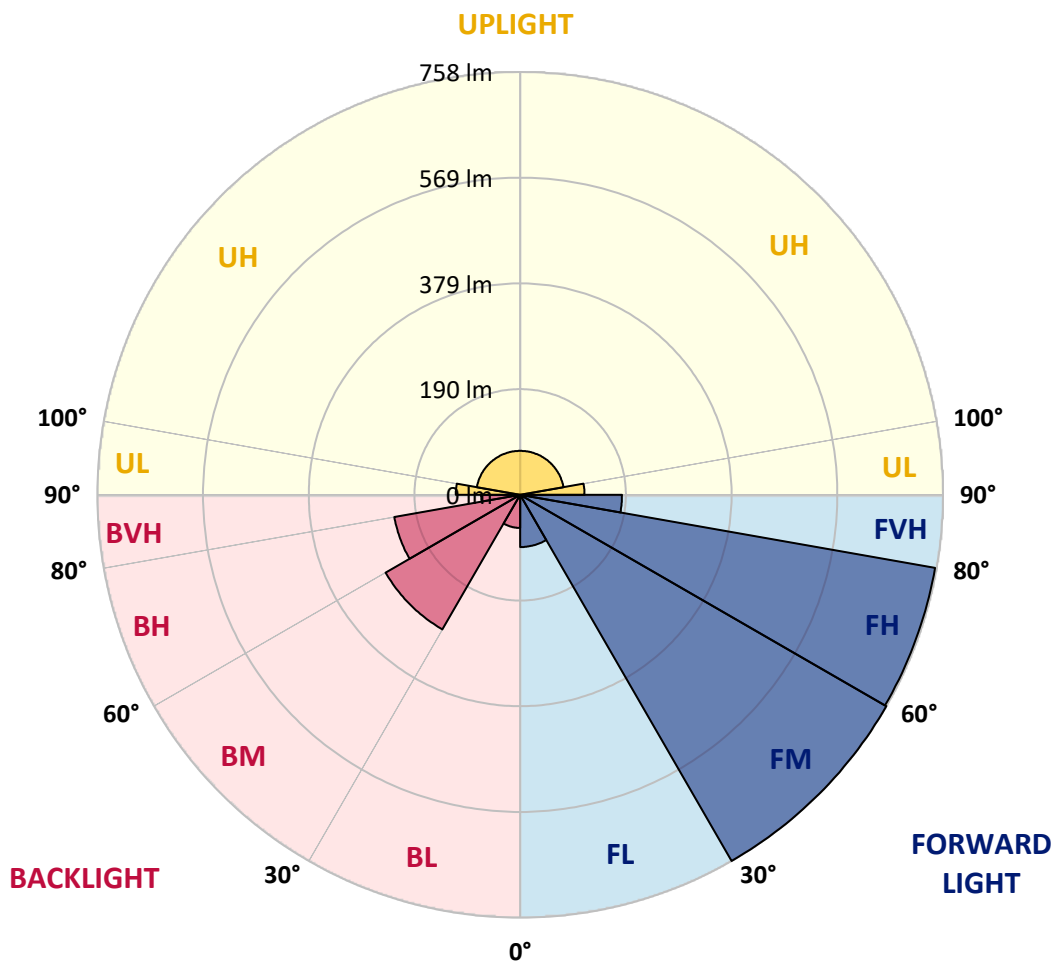
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	93.7	3.5			
FM	(30°-60°)	758.2	28.7			
FH	(60°-80°)	755.5	28.6			G1/1800
FVH	(80°-90°)	182.6	6.9			G2/225
BL	(0°-30°)	59.4	2.2	B0/110		
BM	(30°-60°)	278.7	10.5	B1/1000		
BH	(60°-80°)	229.1	8.7	B1/500		G1/500
BVH	(80°-90°)	69.9	2.6			G1/100
UL	(90°-100°)	115.4	4.4		U3/500	
UH	(100°-180°)	78.8	3.0		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°	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
2.5°	101.3	100.7	100.7	100.1	99.8	98.5	97.6	96.3	95.7	95.4	94.5
5°	110.6	109.7	109.7	109.1	107.8	106.3	104.1	102.9	100.7	101.0	98.2
7.5°	121.8	121.5	120.9	119.7	118.1	116.2	114.1	111.3	108.8	108.8	105.4
10°	136.7	134.9	134.9	133.3	131.8	129.0	125.9	122.8	119.3	119.0	114.4
12.5°	154.8	154.5	152.6	150.4	147.9	145.1	140.2	137.1	133.6	133.3	128.4
15°	175.9	175.0	172.5	171.6	167.8	162.8	158.8	155.7	152.3	151.0	144.5
17.5°	200.8	199.5	198.6	193.9	190.8	186.8	182.1	178.1	172.2	171.6	164.4
20°	230.0	227.2	224.4	220.7	215.7	212.0	207.0	203.3	196.4	196.4	186.8
22.5°	260.7	260.1	257.6	251.4	244.6	240.9	236.2	228.7	223.1	221.6	211.0
25°	298.0	297.4	292.4	285.9	278.8	273.2	265.7	257.6	253.0	252.7	240.9
27.5°	340.3	341.2	332.5	324.1	314.5	305.5	297.4	293.4	287.2	286.2	272.6
30°	391.3	387.2	378.2	366.1	352.7	341.2	332.8	328.8	324.8	324.5	308.0
32.5°	443.2	438.5	430.7	414.0	395.3	377.6	373.6	370.1	365.5	363.0	346.5
35°	500.7	496.9	485.7	463.7	438.8	419.6	411.2	411.8	409.6	408.4	388.5
37.5°	564.1	557.5	542.3	520.9	484.2	463.4	453.7	459.0	457.8	455.3	434.5
40°	623.7	622.8	606.6	573.4	536.4	506.9	500.4	509.4	507.8	504.7	481.7
42.5°	692.7	685.9	667.9	630.6	585.8	553.2	546.0	559.4	561.3	561.9	531.1
45°	751.8	748.7	731.6	688.7	637.1	601.7	595.8	610.1	616.3	616.9	583.0
47.5°	809.3	808.0	790.6	746.2	687.1	649.5	641.8	662.3	675.3	672.5	632.4
50°	852.5	854.6	840.7	798.4	736.9	692.1	694.0	719.1	731.3	729.7	685.3
52.5°	889.5	886.3	880.4	840.4	776.3	735.3	737.5	767.6	785.7	784.7	735.3
55°	903.1	902.2	902.8	870.2	808.7	770.7	777.3	819.8	834.8	832.9	776.0
57.5°	900.3	899.7	909.3	887.9	834.8	798.7	813.6	862.7	887.3	884.8	818.9
60°	879.2	876.4	897.2	889.5	845.3	816.1	842.2	900.3	926.7	926.1	854.0
62.5°	831.6	836.0	864.9	872.0	842.2	825.1	859.3	929.5	959.1	956.9	879.2
65°	765.5	776.3	811.1	836.0	821.1	817.0	865.5	942.6	975.2	974.9	888.2
67°	708.9	716.3	758.6	790.3	791.2	800.6	858.4	942.9	979.0	976.2	883.9
67.5°	689.0	698.9	741.8	780.4	784.4	795.9	855.6	942.3	976.5	974.9	881.7
70°	598.9	610.4	657.3	705.8	730.6	755.5	830.1	924.9	956.6	953.2	856.5
72.5°	507.5	523.7	568.1	625.6	662.0	703.0	786.0	881.4	918.7	911.5	807.4
75°	419.9	430.7	473.9	536.1	583.3	639.0	725.7	822.6	856.2	850.3	744.9
77.5°	334.7	344.7	386.3	448.8	502.2	564.7	655.1	749.0	775.1	771.7	665.7
80°	264.2	271.3	311.4	367.0	422.0	488.9	574.6	658.5	675.6	678.1	578.4
82.5°	203.3	212.6	247.4	296.5	348.4	412.1	486.7	561.0	579.9	573.7	488.9
85°	155.4	163.2	194.2	235.9	287.8	341.5	408.1	469.0	477.4	470.2	396.2
87.5°	121.5	127.4	151.7	192.1	233.4	279.4	332.5	379.2	383.5	382.3	317.3
90°	94.2	99.4	119.7	151.7	189.6	229.0	270.7	303.3	301.1	303.0	250.2
92.5°	74.0	76.8	95.1	123.4	155.1	186.8	218.5	240.2	239.9	234.6	195.2
95°	60.0	61.5	77.4	101.0	126.5	151.7	175.3	189.3	188.6	183.0	152.3
97.5°	48.5	49.4	63.1	83.0	104.4	124.0	141.1	151.0	146.1	143.9	119.3
100°	39.8	40.4	52.2	69.3	87.0	103.8	115.9	120.0	113.1	111.9	93.9
102.5°	33.9	34.2	44.1	58.7	72.7	85.5	94.5	96.3	88.3	88.9	74.0
105°	28.9	29.2	37.0	50.0	61.8	71.5	78.0	77.1	70.5	69.6	59.0
107.5°	25.2	25.5	31.7	42.9	53.1	61.2	64.6	62.5	56.6	55.3	47.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	22.1	22.4	27.3	36.7	45.7	52.5	54.4	51.0	45.7	44.4	39.2
112.5°	19.9	19.9	23.9	31.7	39.8	45.4	46.0	42.6	36.7	36.1	32.6
115°	18.0	18.0	21.1	27.3	34.5	38.8	38.8	34.8	30.1	29.8	27.3
117.5°	16.5	16.5	18.6	23.9	29.8	33.6	32.9	29.2	25.2	24.9	23.6
120°	15.2	15.2	16.8	20.8	25.8	28.6	28.0	24.2	21.1	20.8	20.2
122.5°	14.0	14.3	15.2	18.3	22.4	24.6	23.9	20.8	18.0	17.7	17.7
125°	13.1	13.1	13.7	15.8	19.3	21.1	20.2	17.1	15.2	15.2	15.2
127.5°	12.1	12.1	12.4	14.0	16.5	17.7	16.8	14.3	13.4	13.1	13.4
130°	11.2	11.2	11.5	12.1	14.0	14.6	13.7	12.1	11.2	11.2	11.5
132.5°	10.3	10.3	10.3	10.6	11.5	12.1	11.2	9.9	9.6	9.6	9.9
135°	9.3	9.6	9.3	9.3	9.6	9.6	8.7	8.1	8.1	8.4	8.7
137.5°	8.4	8.4	8.1	7.8	7.8	7.5	6.8	6.5	6.8	6.8	7.1
140°	7.5	7.5	7.1	6.5	5.9	5.6	5.3	5.0	5.6	5.6	5.9
142.5°	6.5	6.5	5.9	5.3	4.4	3.7	3.4	3.7	4.4	4.4	4.7
145°	5.3	5.3	5.0	4.4	3.1	2.5	2.2	2.8	3.1	3.1	3.4
147.5°	4.4	4.0	3.7	3.1	2.2	1.6	1.2	1.9	2.2	2.2	2.5
150°	3.1	3.1	2.8	2.2	1.2	0.6	0.6	0.9	1.2	1.2	1.6
152.5°	2.2	2.2	1.9	1.2	0.6	0.0	0.3	0.6	0.6	0.6	0.9
155°	1.2	1.2	1.2	0.9	0.3	0.0	0.0	0.3	0.3	0.3	0.6
157.5°	0.6	0.6	0.6	0.6	0.3	0.0	0.0	0.0	0.3	0.3	0.3
160°	0.3	0.3	0.6	0.3	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
2.5°	93.9	93.2	92.6	91.7	91.1	90.4	89.8	89.5	89.5	89.2	89.5
5°	97.3	96.3	94.5	92.9	91.1	89.8	88.6	88.0	87.3	87.0	87.0
7.5°	103.5	102.2	99.1	96.3	93.5	91.4	89.8	88.3	87.6	87.3	87.3
10°	112.5	110.6	106.0	101.9	97.9	95.1	92.3	90.7	89.8	89.2	89.2
12.5°	125.2	122.1	116.2	109.4	104.1	100.4	97.0	95.4	95.1	95.1	95.1
15°	142.3	138.0	129.0	120.9	113.1	106.6	104.1	104.1	103.8	103.5	103.8
17.5°	160.1	155.1	143.9	133.6	124.0	117.5	113.4	112.5	112.2	111.9	112.2
20°	181.2	175.0	161.9	147.9	135.8	129.6	124.0	121.5	121.2	121.5	120.9
22.5°	205.1	198.3	179.0	162.2	148.9	140.2	133.6	130.2	130.8	130.8	130.5
25°	234.0	223.5	200.8	178.1	161.9	149.8	142.3	138.9	139.2	139.9	140.5
27.5°	263.2	251.1	222.2	194.5	173.4	159.4	150.7	147.0	146.7	148.6	148.2
30°	297.4	281.9	245.8	211.3	184.0	166.3	157.3	154.1	153.8	155.4	155.7
32.5°	334.1	314.8	270.4	228.1	193.3	172.2	161.9	159.7	159.1	160.7	161.0
35°	374.2	349.6	294.3	242.7	201.1	176.2	165.6	163.2	162.2	163.8	164.4
37.5°	413.0	384.4	318.9	255.8	207.3	178.7	167.2	165.3	164.1	165.0	165.3
40°	454.1	423.6	343.7	267.6	211.0	179.9	167.8	166.0	164.7	164.7	164.7
42.5°	499.1	459.6	363.9	276.0	213.2	179.6	167.2	165.0	163.5	162.2	162.2
45°	545.4	498.5	384.7	282.8	213.5	178.1	165.6	163.8	161.3	158.8	158.5
47.5°	590.5	533.6	403.1	286.5	212.6	175.9	163.5	161.0	158.8	155.1	155.1
50°	634.3	568.7	418.3	288.4	209.8	173.4	161.3	158.8	156.0	151.0	150.4
52.5°	674.4	600.7	429.8	287.8	205.7	170.0	158.5	156.3	152.9	147.0	147.0
55°	713.9	630.3	437.0	283.7	200.8	166.3	156.0	153.8	150.1	143.9	143.3
57.5°	746.2	651.4	439.8	277.5	195.2	162.2	153.5	151.4	147.9	141.1	141.1
60°	773.5	669.1	437.9	269.4	189.0	158.5	150.4	149.2	146.1	139.5	139.5
62.5°	789.4	676.3	430.7	259.2	181.8	154.5	147.6	147.0	144.2	138.0	138.0
65°	792.8	671.6	416.1	246.4	174.7	149.8	144.5	144.2	142.3	136.4	135.8
67°	783.5	659.5	400.0	235.6	168.4	146.1	141.7	141.7	140.2	134.9	134.6
67.5°	780.1	654.8	395.6	232.8	167.2	145.4	141.1	141.4	139.9	134.6	133.6
70°	750.2	623.4	368.9	216.9	158.5	139.9	137.1	137.4	136.1	132.1	131.1
72.5°	703.9	578.4	337.5	201.7	149.8	134.3	131.5	132.7	131.5	128.4	126.5
75°	641.5	523.4	304.9	184.3	141.1	127.4	125.6	126.2	125.9	122.8	121.2
77.5°	567.8	462.8	270.1	168.1	131.5	120.6	118.7	119.7	119.0	116.2	114.4
80°	487.9	398.7	236.5	152.0	121.5	112.8	110.9	111.3	110.9	108.2	105.7
82.5°	409.6	336.0	202.3	136.1	111.9	104.4	102.2	101.9	101.3	98.2	96.3
85°	338.1	276.0	172.8	120.9	101.9	95.1	93.2	92.0	91.1	87.6	86.4
87.5°	269.4	225.6	146.1	107.8	92.0	86.4	83.9	81.7	80.2	77.1	75.8
90°	215.1	181.8	124.6	94.5	83.0	78.0	74.6	71.8	69.9	66.5	64.6
92.5°	170.6	144.8	104.7	83.0	74.3	69.9	66.8	63.4	60.9	56.6	55.6
95°	135.2	116.5	88.3	72.7	65.9	62.2	59.4	55.6	52.2	47.9	46.9
97.5°	106.9	95.1	74.3	63.7	58.1	55.0	52.2	48.5	44.8	40.4	39.8
100°	85.5	76.5	63.7	55.6	51.9	48.8	46.0	42.6	37.9	33.6	33.6
102.5°	68.7	62.8	53.5	48.8	45.7	43.2	40.7	37.3	32.3	27.7	27.7
105°	55.6	51.9	46.0	42.6	40.4	38.5	36.1	32.0	27.0	23.3	23.3
107.5°	45.7	42.9	39.5	37.0	35.7	33.9	31.7	27.7	23.0	19.6	19.6



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CATALOG NUMBER: LXF.LXT-PA1-30-827-U-T3-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	37.9	36.1	33.6	32.6	31.7	30.1	27.7	23.9	19.3	16.8	16.8
112.5°	31.7	30.8	28.9	28.6	28.0	26.7	24.2	20.5	16.2	14.6	14.6
115°	27.0	26.4	25.2	25.2	24.6	23.6	21.1	17.7	14.0	12.4	12.7
117.5°	23.0	22.7	22.1	22.1	21.8	20.8	18.3	15.2	11.8	11.2	11.2
120°	20.2	19.9	19.6	19.3	19.3	18.0	15.8	12.7	10.3	9.9	9.9
122.5°	17.4	17.4	17.1	17.1	16.8	15.5	13.7	10.9	9.0	8.7	8.7
125°	15.2	15.2	14.9	14.9	14.6	13.7	11.8	9.3	7.8	7.8	7.8
127.5°	13.4	13.4	13.1	13.1	12.7	11.5	9.9	7.8	6.8	6.8	7.1
130°	11.8	11.8	11.5	11.2	10.9	9.9	8.1	6.5	5.9	6.2	6.2
132.5°	10.3	9.9	9.9	9.6	9.0	8.1	6.8	5.6	5.3	5.6	5.6
135°	8.7	8.7	8.4	8.1	7.5	6.8	5.6	4.7	4.7	5.0	5.0
137.5°	7.5	7.5	7.1	6.5	6.2	5.3	4.4	3.7	4.0	4.4	4.4
140°	5.9	6.2	5.9	5.3	4.7	4.0	3.4	3.1	3.4	3.7	4.0
142.5°	5.0	5.0	4.7	4.0	3.4	2.8	2.5	2.5	3.1	3.4	3.4
145°	3.7	3.7	3.4	3.1	2.2	1.9	1.6	2.2	2.5	2.8	2.8
147.5°	2.5	2.5	2.5	1.9	1.2	0.9	0.9	1.6	2.2	2.2	2.2
150°	1.6	1.6	1.6	1.2	0.6	0.3	0.6	1.2	1.6	1.9	1.9
152.5°	0.9	0.9	0.9	0.6	0.3	0.0	0.3	0.9	1.2	1.2	1.2
155°	0.6	0.6	0.6	0.3	0.3	0.0	0.3	0.6	0.9	0.9	0.9
157.5°	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.6	0.6	0.6	0.6
160°	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.6	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

(END OF REPORT)