

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: P414909

Luminaire Tested: **LXF.LXT-PA1-30-830-U-T4W-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414909
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-PA1-30-830-U-T4W-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 375mA 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: 2831 lumens
Efficiency: N/A
Efficacy: 91.3 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 - G3

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

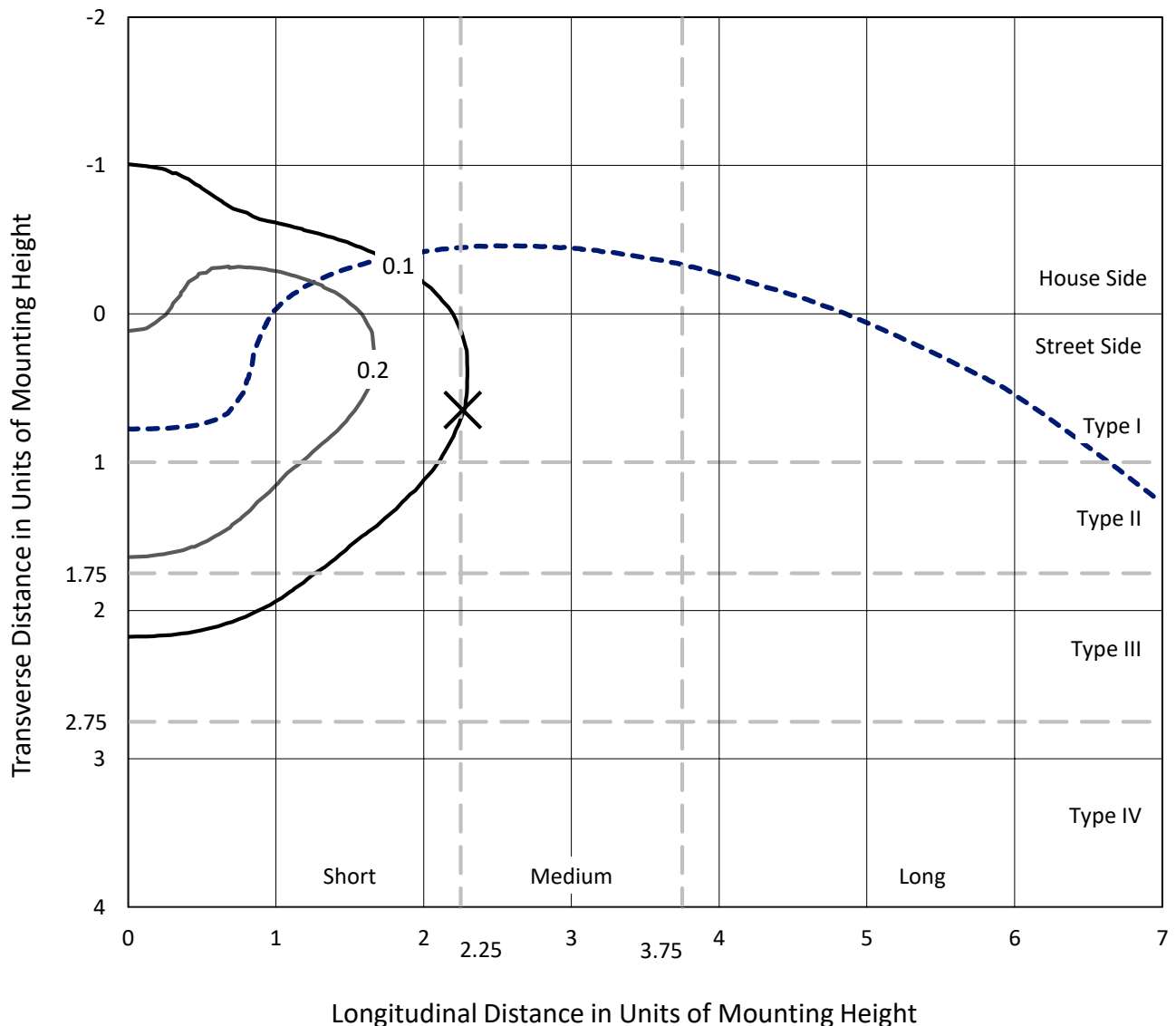


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

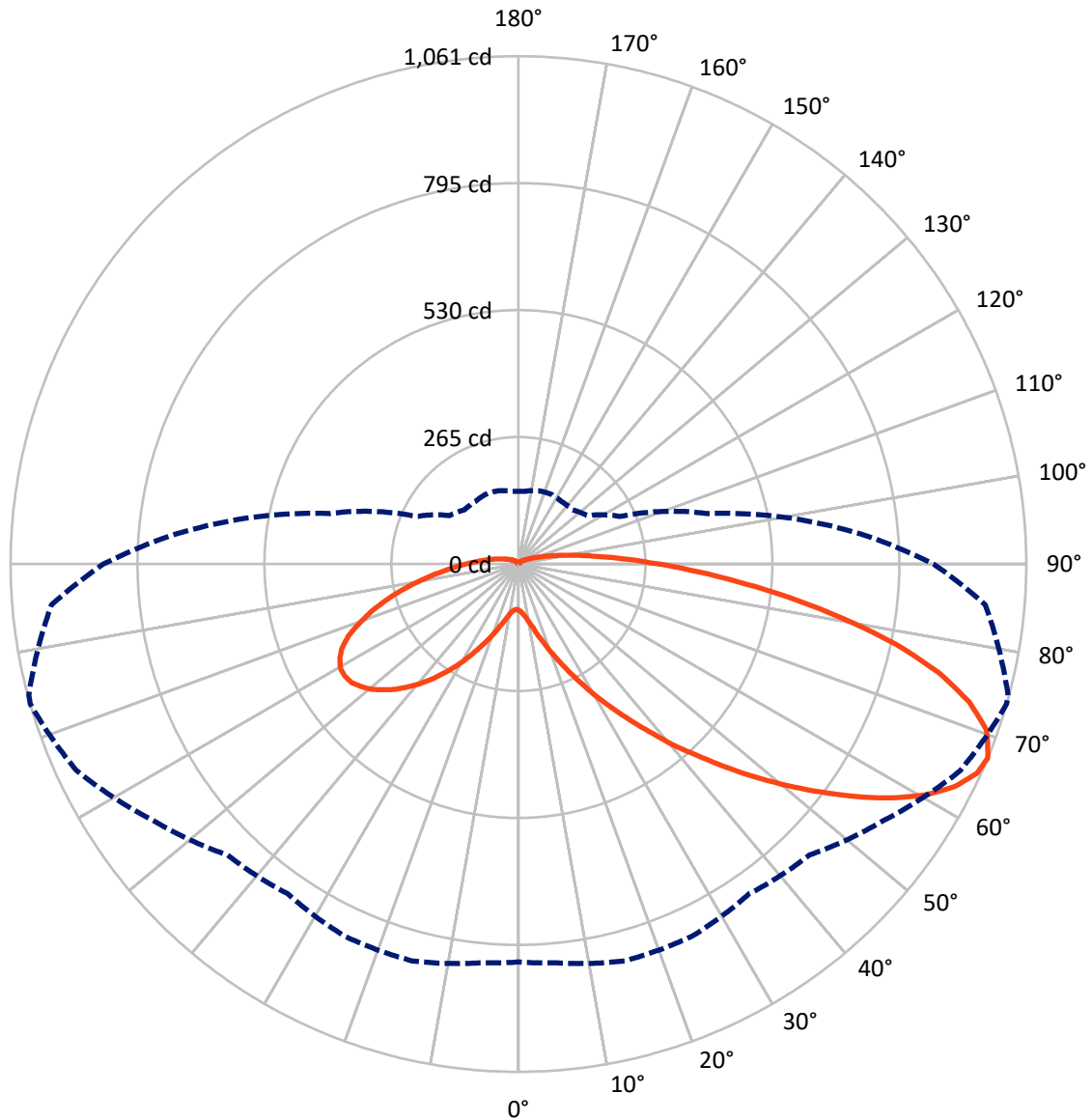


Based on 25 foot mounting height. Maximum calculated value = 0.4 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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

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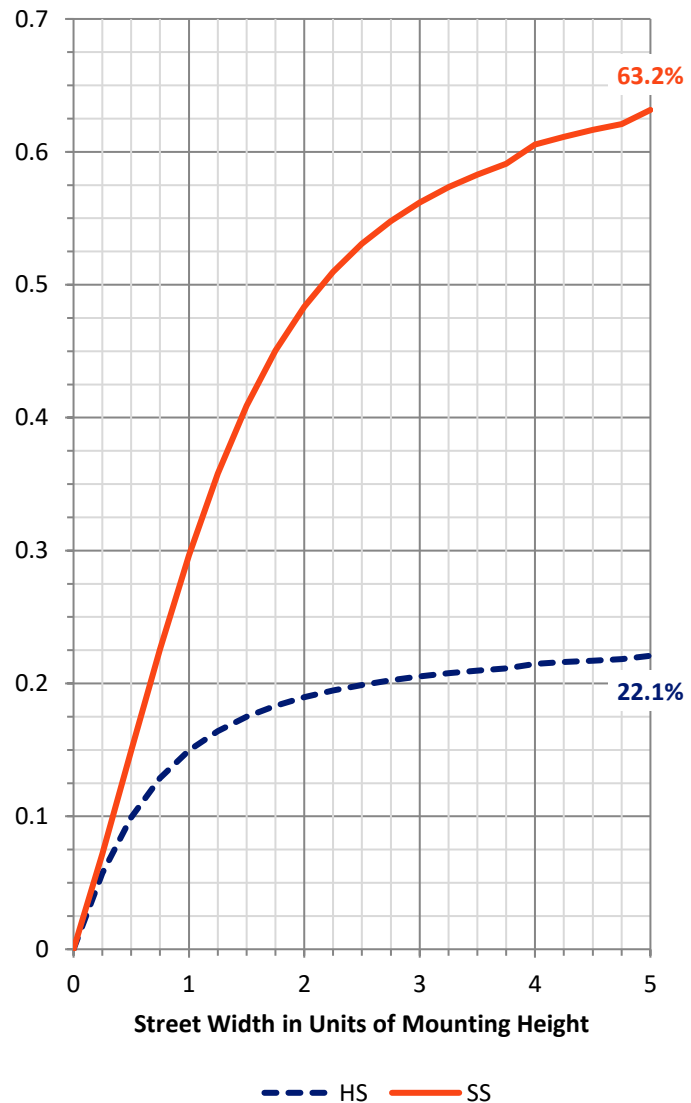
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	660.1	79.3	739.5
	% Fixture	23.3	2.8	26.1
Street Side	Lumens	1910.5	181.0	2091.5
	% Fixture	67.5	6.4	73.9
Total	Lumens	2570.6	260.4	2831.0
	% Fixture	90.8	9.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.1	0.4
10°-20°	41.3	1.5
20°-30°	102.4	3.6
30°-40°	200.1	7.1
40°-50°	330.9	11.7
50°-60°	479.6	16.9
60°-70°	580.4	20.5
70°-80°	516.0	18.2
80°-90°	310.0	10.9
90°-100°	142.3	5.0
100°-110°	63.4	2.2
110°-120°	30.2	1.1
120°-130°	15.0	0.5
130°-140°	6.9	0.2
140°-150°	2.3	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2570.6	90.8
0°-180°	2831.0	100.0



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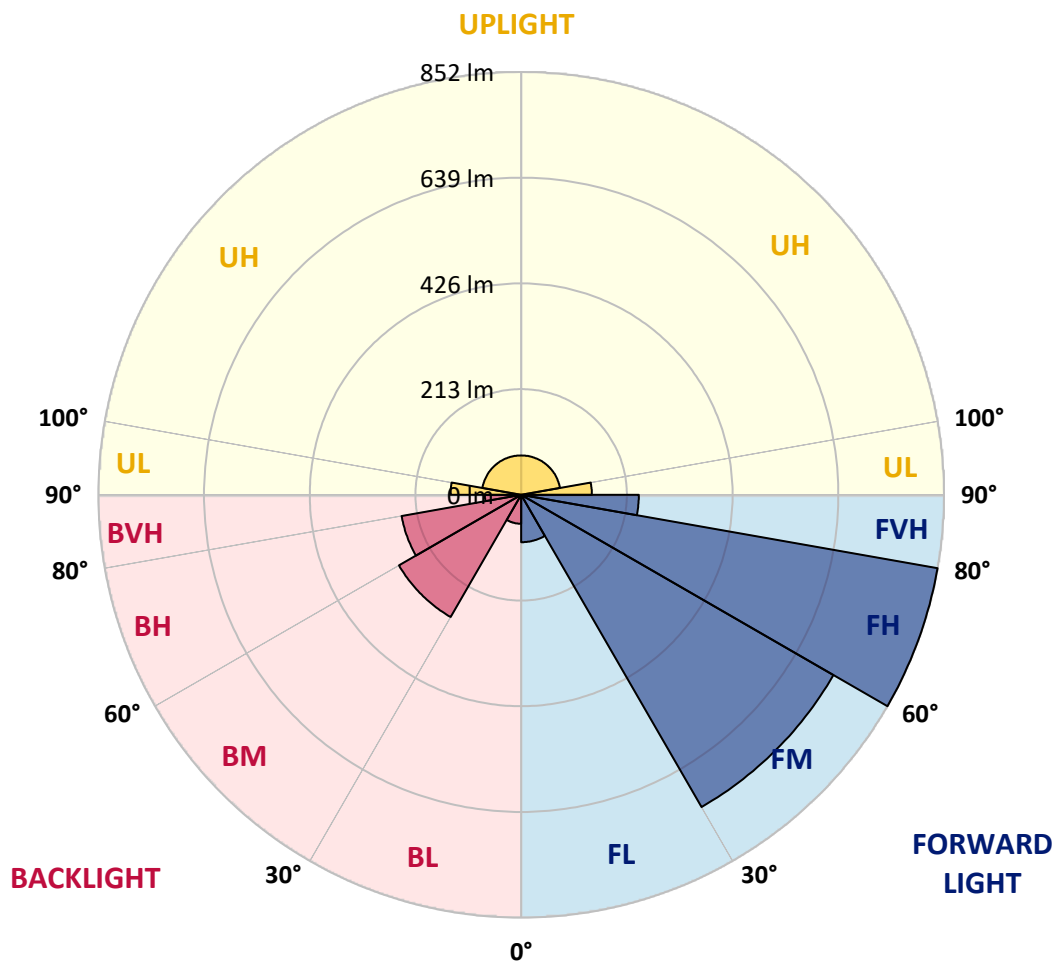
CATALOG NUMBER: LXF.LXT-PA1-30-830-U-T4W-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	95.5	3.4			
FM	(30°-60°)	726.3	25.7			
FH	(60°-80°)	851.8	30.1			G1/1800
FVH	(80°-90°)	236.9	8.4			G3/500
BL	(0°-30°)	58.3	2.1	B0/110		
BM	(30°-60°)	284.2	10.0	B1/1000		
BH	(60°-80°)	244.6	8.6	B1/500		G1/500
BVH	(80°-90°)	73.0	2.6			G1/100
UL	(90°-100°)	142.3	5.0		U3/500	
UH	(100°-180°)	79.3	2.8		U3/500	

BUG Rating: B1-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
2.5°	106.5	105.5	105.5	104.8	104.5	103.5	102.8	100.5	99.4	99.4	97.8
5°	117.9	117.3	115.9	115.9	114.6	113.2	110.5	107.5	105.2	104.8	101.8
7.5°	132.0	130.4	130.4	128.7	126.7	124.3	120.6	116.6	112.9	112.5	107.8
10°	148.2	147.5	146.8	144.5	141.8	137.1	133.7	128.0	123.6	123.3	116.9
12.5°	168.0	167.0	165.0	162.6	157.9	154.5	148.5	142.1	136.4	136.7	129.3
15°	189.5	188.8	187.5	183.8	178.4	173.7	167.6	160.9	155.2	152.9	145.1
17.5°	214.0	212.7	211.0	207.0	200.9	196.2	188.1	181.8	174.4	174.7	163.6
20°	242.9	241.6	239.2	232.8	227.4	221.1	212.7	205.6	197.2	196.5	185.5
22.5°	271.5	272.1	266.4	259.7	254.7	247.3	239.2	230.1	222.7	222.1	209.3
25°	306.7	304.4	298.7	290.9	283.2	274.1	267.1	259.0	252.0	251.3	236.2
27.5°	343.7	341.7	333.9	324.2	313.8	303.7	297.7	289.3	283.9	282.9	267.4
30°	384.0	380.6	373.6	360.5	346.0	334.6	328.6	325.5	320.5	319.2	303.4
32.5°	429.4	425.0	414.6	398.8	378.0	365.2	362.5	359.8	357.8	355.8	341.0
35°	474.4	473.0	457.6	438.1	417.6	400.8	396.1	400.5	399.1	397.8	382.0
37.5°	521.7	524.1	507.3	481.8	453.5	435.7	432.4	440.4	444.1	444.1	425.3
40°	577.5	575.5	558.7	527.5	494.5	473.7	474.7	486.8	495.9	493.9	475.4
42.5°	632.9	628.6	606.4	575.8	534.2	513.3	513.3	531.8	545.6	545.9	526.5
45°	687.4	682.7	661.8	621.9	576.5	554.0	558.7	581.2	603.7	600.7	581.5
47.5°	737.1	735.1	713.6	670.9	619.8	596.3	605.7	639.3	663.9	663.9	642.7
50°	785.8	783.1	763.0	714.9	663.5	640.3	654.5	695.4	726.7	728.4	703.8
52.5°	827.8	826.1	807.3	759.6	706.5	683.0	704.2	755.6	791.5	795.2	769.3
55°	858.0	859.1	844.6	799.2	745.5	726.0	754.9	815.4	858.0	858.7	830.8
57.5°	880.2	881.6	871.8	832.5	779.8	765.0	804.0	873.2	921.5	924.6	887.9
60°	889.6	892.0	889.0	856.0	810.3	800.9	848.0	924.9	978.7	979.7	935.6
62.5°	884.6	886.9	893.0	869.5	832.5	832.2	890.6	969.9	1023.3	1024.7	971.9
65°	861.7	865.4	880.6	869.5	840.6	851.7	918.9	1004.5	1052.6	1054.2	986.0
67°	831.2	835.9	858.0	857.7	840.6	859.4	932.6	1019.0	1060.6	1058.6	978.7
67.5°	824.1	828.8	851.0	854.3	838.2	860.4	934.3	1020.6	1057.6	1057.3	973.9
70°	764.3	772.7	805.0	821.1	820.8	852.3	933.6	1011.6	1037.1	1033.8	934.6
72.5°	695.4	705.9	745.2	776.1	786.1	827.1	909.1	975.6	984.0	980.0	861.1
75°	624.6	630.3	671.2	715.3	740.8	784.5	863.1	918.5	906.8	897.0	769.0
77.5°	549.6	552.0	597.7	647.1	678.0	728.4	794.5	834.9	806.0	797.9	664.2
80°	462.6	472.4	518.1	569.5	607.8	653.4	709.2	733.4	685.0	677.6	552.7
82.5°	391.4	397.4	439.1	489.5	532.5	575.5	611.8	618.2	567.4	562.1	444.1
85°	319.5	324.9	368.5	415.2	455.6	491.5	515.7	506.3	453.5	447.8	351.1
87.5°	264.4	268.4	298.7	346.0	381.7	407.5	420.3	408.5	358.1	350.1	271.1
90°	209.6	215.7	242.9	282.9	319.2	336.0	337.3	317.8	276.5	270.4	207.6
92.5°	169.3	173.4	199.2	232.5	261.0	273.8	270.4	254.0	216.0	209.0	160.6
95°	137.1	140.4	161.9	191.2	214.3	226.1	216.7	194.9	165.0	162.3	124.0
97.5°	113.9	114.6	131.4	157.6	176.0	182.1	174.7	154.9	129.0	123.6	95.1
100°	93.1	93.7	107.8	127.7	144.5	148.5	141.1	122.0	100.1	96.8	74.6
102.5°	75.6	77.3	88.0	105.8	118.3	121.3	113.6	96.8	77.3	74.9	58.1
105°	64.2	64.5	73.9	87.3	98.4	100.8	93.1	78.6	60.8	59.5	46.4
107.5°	54.4	54.4	61.8	73.6	82.3	83.7	77.6	64.2	48.0	46.7	37.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	46.7	47.0	52.4	61.8	69.9	70.9	64.8	51.4	38.3	37.3	30.6
112.5°	40.7	41.3	45.0	52.4	59.5	60.5	54.4	42.0	31.2	29.9	25.5
115°	35.9	36.3	39.0	45.0	50.7	51.4	45.4	34.6	25.2	24.2	21.5
117.5°	31.9	32.3	34.3	39.3	43.7	44.0	38.0	28.6	21.2	20.2	18.8
120°	28.9	28.9	30.6	33.9	37.6	37.6	31.9	23.5	17.5	17.1	16.1
122.5°	26.2	26.2	27.2	29.6	32.3	31.6	26.5	19.5	14.8	14.4	14.1
125°	23.9	23.9	24.5	25.9	27.5	26.5	21.8	16.1	12.8	12.4	12.4
127.5°	21.5	21.5	21.8	22.8	23.2	22.2	18.1	13.4	11.1	10.8	11.1
130°	19.5	19.5	19.5	19.5	19.5	18.8	14.8	11.1	9.4	9.4	9.7
132.5°	17.5	17.5	17.1	16.8	16.5	15.1	12.1	9.1	8.4	8.4	8.7
135°	15.5	15.5	15.1	14.4	13.4	11.8	9.1	7.4	7.1	7.1	7.4
137.5°	13.4	13.4	13.1	12.1	10.8	9.1	7.1	6.0	6.0	6.0	6.4
140°	11.4	11.4	11.1	10.1	8.4	6.7	5.4	4.7	5.0	5.0	5.4
142.5°	9.7	9.4	9.1	8.1	6.4	4.7	3.7	3.7	4.0	4.0	4.4
145°	7.7	7.4	7.1	6.0	4.7	3.4	2.7	2.7	3.0	3.0	3.4
147.5°	6.0	5.7	5.4	4.4	3.4	2.4	1.7	2.0	2.4	2.4	2.4
150°	4.0	4.0	4.0	3.4	2.0	1.3	1.0	1.3	1.3	1.3	1.7
152.5°	2.7	2.7	2.7	2.0	1.3	0.7	0.7	0.7	1.0	1.0	1.0
155°	1.7	1.7	1.7	1.3	0.7	0.3	0.3	0.3	0.7	0.7	0.7
157.5°	0.7	0.7	0.7	0.7	0.7	0.3	0.0	0.3	0.3	0.3	0.3
160°	0.3	0.3	0.7	0.7	0.7	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°	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
2.5°	97.1	96.4	95.1	94.1	93.1	92.1	91.0	90.4	89.4	89.4	89.4
5°	100.5	98.8	96.1	94.1	91.7	90.0	88.0	86.7	85.7	85.3	85.3
7.5°	106.2	103.8	99.8	95.7	92.4	89.7	87.3	85.7	84.3	84.0	84.0
10°	114.2	111.2	104.8	100.1	95.7	92.1	89.0	86.7	85.7	85.0	85.0
12.5°	126.0	122.0	114.6	106.5	100.8	96.1	92.4	91.4	91.4	91.7	91.4
15°	140.1	136.1	126.0	116.6	108.2	102.8	100.8	100.8	100.5	101.1	101.1
17.5°	157.9	152.2	140.1	127.7	117.9	112.9	110.9	110.2	110.9	111.9	111.2
20°	179.1	170.7	155.5	140.1	129.7	124.6	121.3	120.6	121.6	122.3	122.6
22.5°	201.2	192.2	173.0	153.2	142.4	135.7	132.0	131.0	132.7	134.4	134.7
25°	226.4	216.4	191.8	169.0	153.9	144.8	141.4	141.1	143.8	146.1	146.1
27.5°	257.0	243.6	212.3	186.1	166.6	154.5	150.8	151.2	154.9	156.9	157.6
30°	288.9	273.8	235.8	201.9	176.7	162.3	158.2	159.9	163.6	167.6	168.3
32.5°	324.9	307.1	258.7	217.7	185.8	168.3	163.9	167.3	171.3	176.0	176.7
35°	362.5	338.6	282.2	232.1	193.2	173.0	168.0	172.0	177.1	181.4	182.8
37.5°	405.2	376.9	307.7	243.9	198.9	175.7	170.3	175.0	180.7	185.1	185.5
40°	448.8	416.3	331.9	255.0	202.9	177.4	171.7	176.4	181.8	185.5	185.8
42.5°	494.5	456.2	354.4	264.1	204.9	177.4	171.0	175.7	180.7	182.8	183.1
45°	548.0	498.6	377.6	270.4	205.6	176.7	170.0	173.7	177.4	178.1	179.1
47.5°	601.7	540.6	397.4	275.2	205.3	175.0	168.3	171.3	173.7	173.0	174.0
50°	658.5	586.3	416.6	278.2	203.6	173.4	166.0	168.7	169.3	167.3	167.3
52.5°	712.9	625.9	431.4	278.5	201.2	171.3	164.3	166.3	166.0	162.3	162.6
55°	767.3	668.2	443.8	275.5	197.9	169.3	162.6	163.9	162.9	158.6	157.9
57.5°	814.0	702.5	449.2	271.1	194.2	167.3	161.6	162.9	160.9	155.9	155.5
60°	853.7	729.0	449.5	265.1	189.8	165.6	160.6	162.3	160.6	154.5	153.9
62.5°	878.2	741.1	440.8	255.7	185.5	163.6	160.6	161.9	159.9	153.9	153.5
65°	882.2	735.1	426.7	244.9	180.4	161.6	159.9	161.6	159.6	153.2	152.5
67°	866.4	717.6	407.5	234.8	176.0	159.9	158.6	160.9	158.6	152.5	151.5
67.5°	861.1	709.5	403.2	233.5	175.0	159.2	158.2	160.3	158.2	152.2	151.2
70°	814.0	665.5	370.2	218.7	168.7	155.9	155.9	157.6	155.5	149.8	148.2
72.5°	741.5	603.7	337.3	204.6	161.6	150.8	151.9	153.5	151.5	146.1	144.1
75°	657.5	534.2	300.7	188.1	153.5	145.8	146.5	148.2	146.1	140.4	138.8
77.5°	564.1	453.9	263.7	173.0	145.1	139.1	139.4	140.4	138.8	133.0	131.4
80°	464.0	374.3	226.1	155.9	135.4	130.7	131.0	131.0	128.7	124.0	122.6
82.5°	373.9	304.0	192.8	140.8	124.6	121.3	121.3	120.9	117.9	113.9	111.9
85°	290.9	245.3	161.6	125.3	113.9	110.9	110.5	109.2	106.2	101.8	99.4
87.5°	228.1	194.2	136.1	110.5	103.1	101.1	99.1	96.1	93.7	90.0	88.0
90°	178.1	154.2	114.9	97.1	92.7	90.0	88.0	84.3	80.6	76.9	75.9
92.5°	139.4	122.0	95.7	84.7	82.0	80.0	77.3	73.2	69.9	65.5	65.8
95°	110.5	99.1	81.6	74.6	72.6	70.9	67.5	63.2	59.5	55.4	54.8
97.5°	86.7	79.0	68.5	64.8	64.2	62.2	58.8	54.4	50.4	46.0	46.0
100°	68.9	64.5	57.8	57.1	55.8	54.4	51.1	47.0	42.0	38.3	38.3
102.5°	55.4	51.7	49.4	49.4	49.1	47.7	44.3	40.3	35.3	31.6	31.6
105°	44.3	43.0	42.0	43.0	43.3	42.0	38.6	34.3	29.2	25.9	26.5
107.5°	37.0	35.9	35.9	37.3	38.0	36.6	33.6	28.9	24.2	21.8	21.8



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CATALOG NUMBER: LXF.LXT-PA1-30-830-U-T4W-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	30.6	30.2	30.9	32.6	32.9	31.9	28.9	24.5	20.2	18.1	18.5
112.5°	25.9	25.5	26.9	28.6	28.9	27.9	24.9	20.8	16.8	15.5	15.5
115°	21.8	22.2	23.2	24.5	25.2	24.2	21.5	17.8	13.8	13.1	13.1
117.5°	18.8	19.1	20.2	21.8	22.2	20.8	18.1	14.8	11.8	11.4	11.4
120°	16.5	16.8	17.8	18.8	19.1	17.8	15.5	12.4	10.1	9.7	9.7
122.5°	14.4	15.1	15.8	16.5	16.8	15.5	13.4	10.4	8.4	8.4	8.7
125°	12.8	13.1	13.8	14.4	14.4	13.1	11.1	8.7	7.4	7.4	7.4
127.5°	11.4	11.4	11.8	12.4	12.4	11.4	9.4	7.1	6.4	6.4	6.7
130°	10.1	10.4	10.4	10.4	10.4	9.4	7.7	6.0	5.4	5.7	5.7
132.5°	8.7	9.1	9.1	9.1	8.7	7.7	6.4	5.0	4.7	5.0	5.0
135°	7.7	7.7	7.7	7.7	7.1	6.4	5.0	4.0	4.0	4.4	4.4
137.5°	6.7	6.7	6.7	6.4	5.7	5.0	4.0	3.4	3.4	3.7	3.7
140°	5.4	5.7	5.4	5.0	4.4	3.7	3.0	2.7	3.0	3.0	3.0
142.5°	4.4	4.4	4.4	4.0	3.4	2.7	2.4	2.0	2.4	2.4	2.7
145°	3.4	3.4	3.4	3.0	2.4	1.7	1.7	1.7	2.0	2.0	2.0
147.5°	2.4	2.4	2.4	2.0	1.3	1.0	1.0	1.0	1.3	1.3	1.3
150°	1.7	1.7	1.7	1.3	0.7	0.3	0.3	0.7	1.0	1.0	1.0
152.5°	1.0	1.0	1.0	0.7	0.3	0.0	0.3	0.7	0.7	0.3	0.3
155°	0.7	0.7	0.7	0.7	0.3	0.0	0.3	0.3	0.3	0.0	0.0
157.5°	0.7	0.7	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)