

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: P414597

Luminaire Tested: **LXF.LXT-PA1-30-727-U-T4W-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414597
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-PA1-30-727-U-T4W-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 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: 2980 lumens
Efficiency: N/A
Efficacy: 96.1 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 - 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

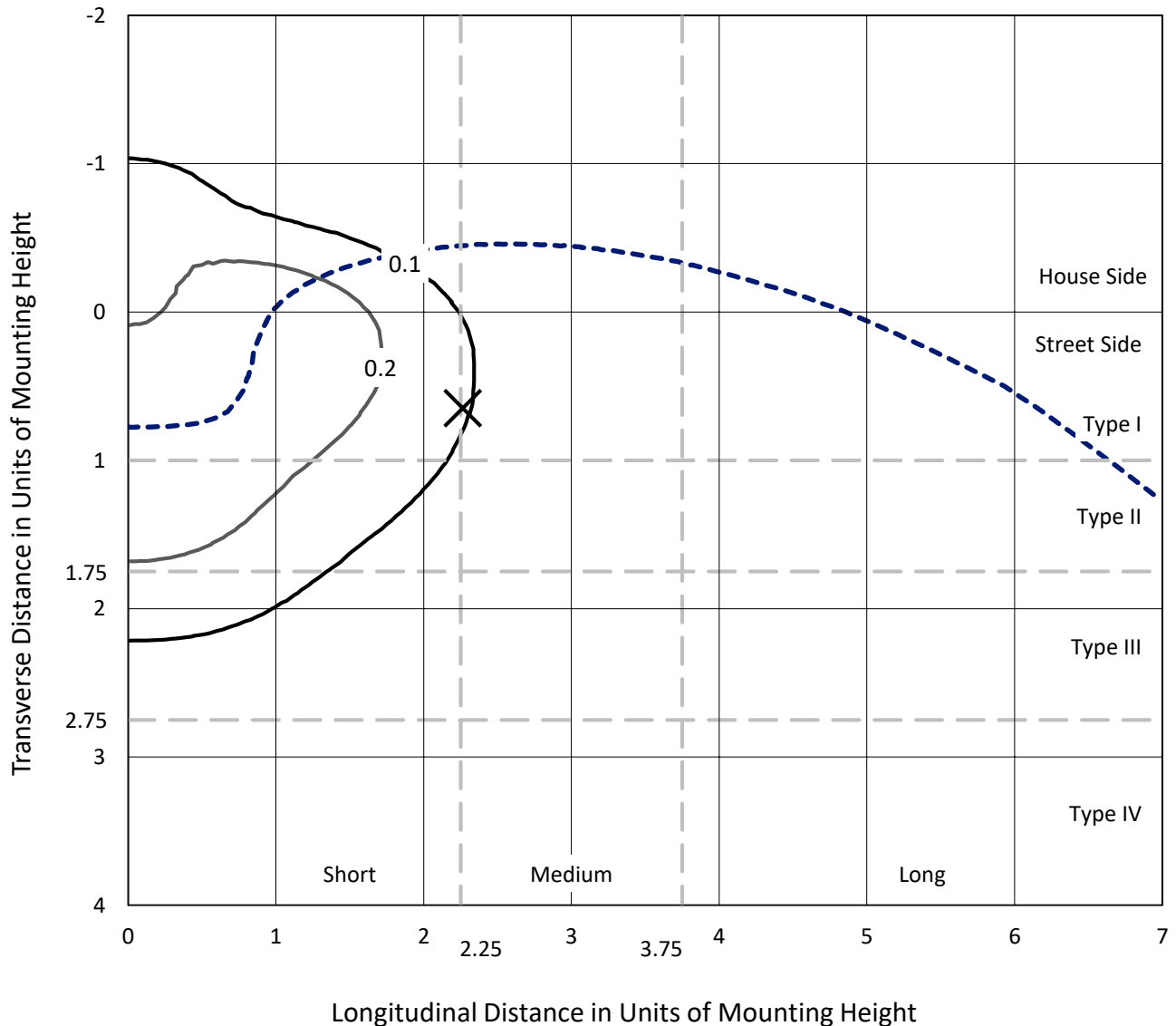


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

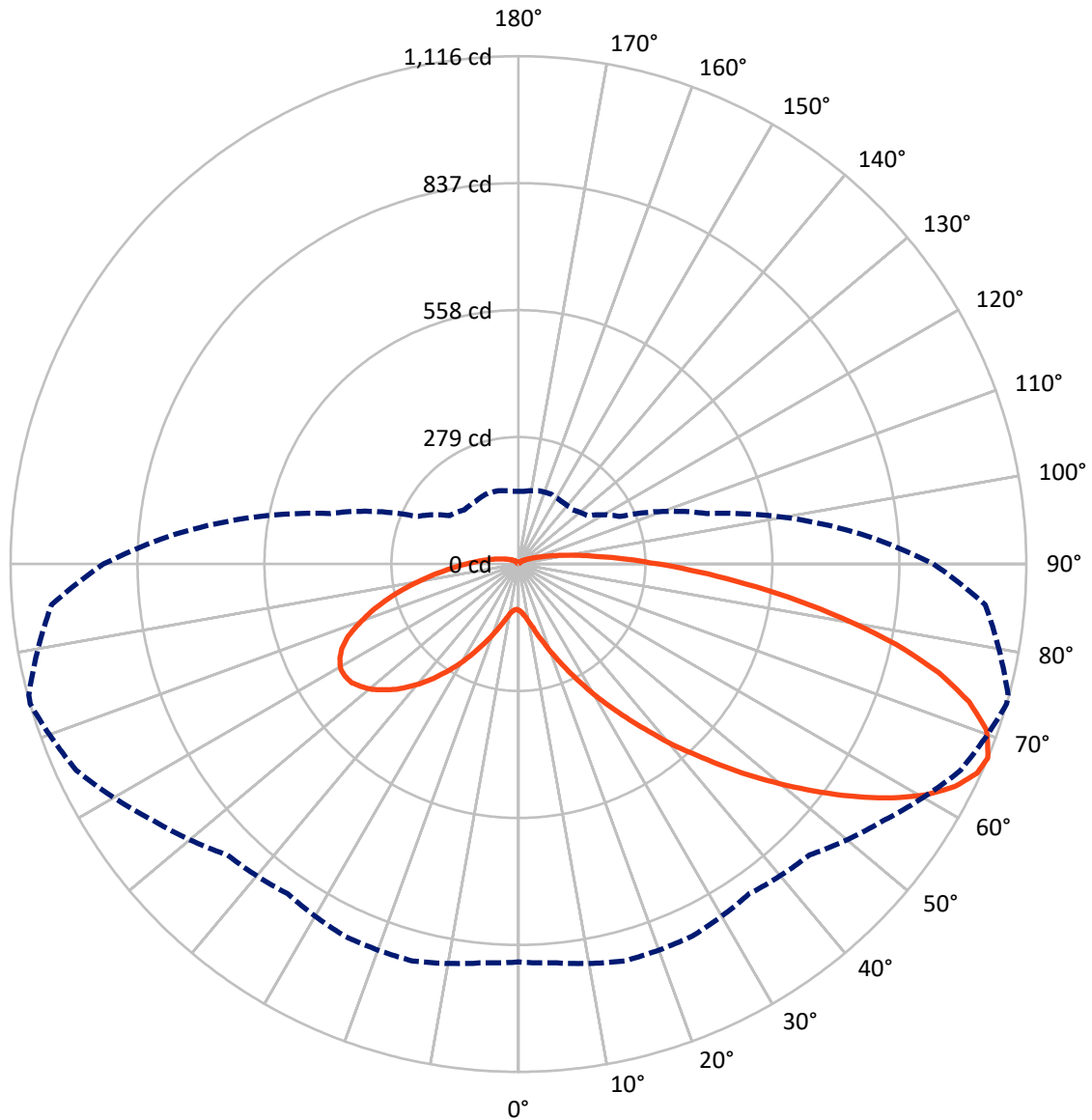


Based on 25 foot mounting height. Maximum calculated value = 0.4 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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

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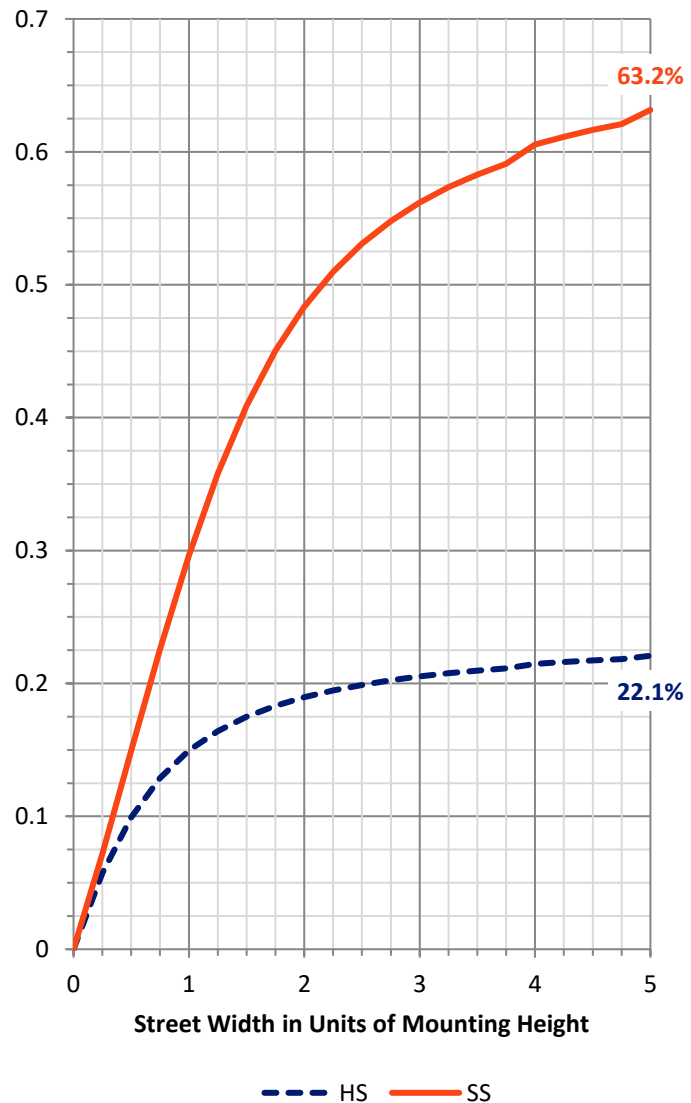
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	694.9	83.5	778.4
	% Fixture	23.3	2.8	26.1
Street Side	Lumens	2011.0	190.5	2201.6
	% Fixture	67.5	6.4	73.9
Total	Lumens	2705.9	274.1	2980.0
	% Fixture	90.8	9.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.6	0.4
10°-20°	43.4	1.5
20°-30°	107.8	3.6
30°-40°	210.6	7.1
40°-50°	348.3	11.7
50°-60°	504.8	16.9
60°-70°	611.0	20.5
70°-80°	543.1	18.2
80°-90°	326.3	10.9
90°-100°	149.8	5.0
100°-110°	66.7	2.2
110°-120°	31.8	1.1
120°-130°	15.8	0.5
130°-140°	7.2	0.2
140°-150°	2.4	0.1
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2705.9	90.8
0°-180°	2980.0	100.0

Coefficient of Utilization



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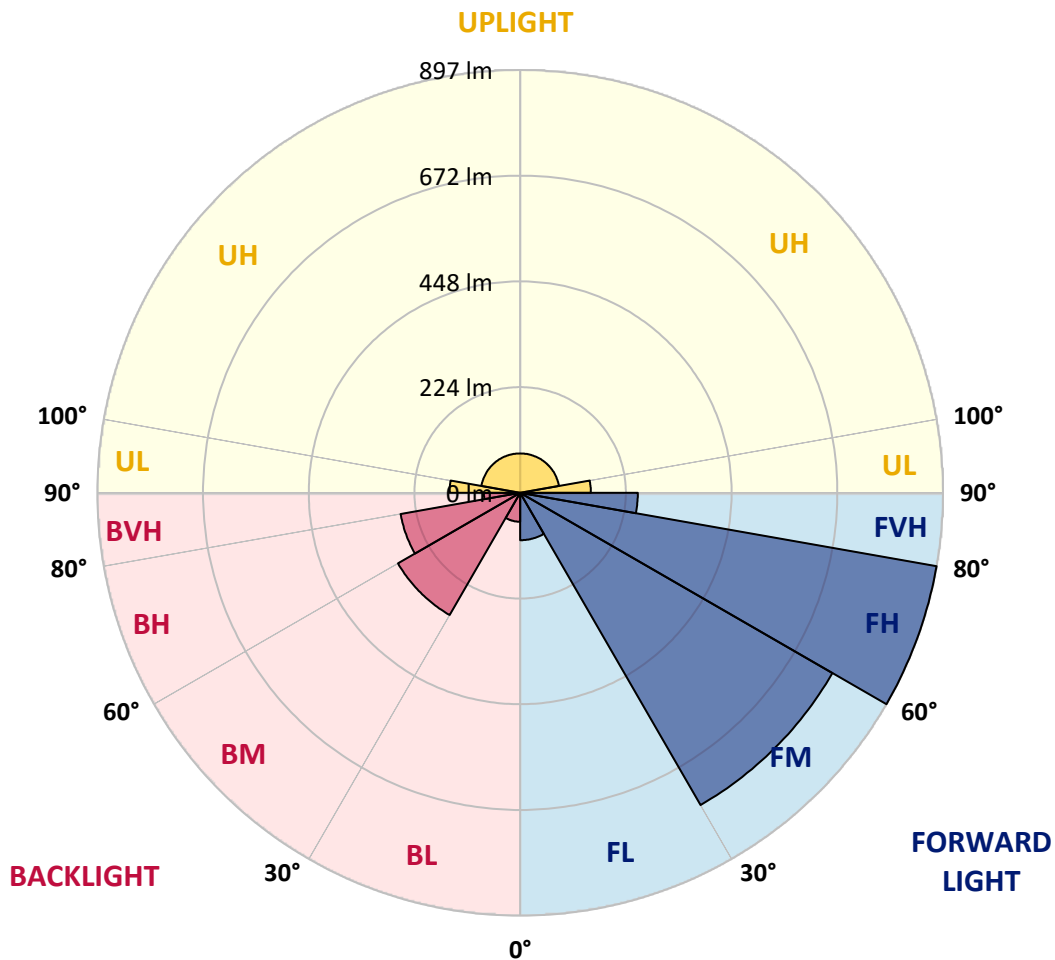
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	100.5	3.4			
FM (30°-60°)	764.5	25.7			
FH (60°-80°)	896.6	30.1			G1/1800
FVH (80°-90°)	249.4	8.4			G3/500
BL (0°-30°)	61.4	2.1	B0/110		
BM (30°-60°)	299.1	10.0	B1/1000		
BH (60°-80°)	257.5	8.6	B1/500		G1/500
BVH (80°-90°)	76.9	2.6			G1/100
UL (90°-100°)	149.8	5.0		U3/500	
UH (100°-180°)	83.5	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°	101.5	101.5	101.5	101.5	101.5	101.5	101.5	101.5	101.5	101.5	101.5
2.5°	112.1	111.0	111.0	110.3	110.0	108.9	108.2	105.7	104.7	104.7	102.9
5°	124.1	123.4	122.0	122.0	120.6	119.2	116.3	113.2	110.7	110.3	107.2
7.5°	139.0	137.2	137.2	135.4	133.3	130.8	127.0	122.7	118.8	118.5	113.5
10°	156.0	155.2	154.5	152.1	149.2	144.3	140.7	134.7	130.1	129.8	123.1
12.5°	176.8	175.8	173.6	171.2	166.2	162.7	156.3	149.6	143.6	143.9	136.2
15°	199.5	198.7	197.3	193.4	187.8	182.8	176.5	169.4	163.4	160.9	152.8
17.5°	225.3	223.9	222.1	217.8	211.5	206.5	198.0	191.3	183.5	183.9	172.2
20°	255.7	254.3	251.8	245.1	239.4	232.7	223.9	216.4	207.6	206.9	195.2
22.5°	285.7	286.5	280.4	273.4	268.1	260.3	251.8	242.2	234.5	233.8	220.3
25°	322.9	320.4	314.4	306.3	298.1	288.6	281.1	272.7	265.2	264.5	248.6
27.5°	361.8	359.7	351.5	341.3	330.3	319.7	313.3	304.5	298.8	297.8	281.5
30°	404.2	400.7	393.3	379.5	364.3	352.2	345.9	342.7	337.4	336.0	319.3
32.5°	452.0	447.4	436.4	419.8	397.8	384.4	381.6	378.8	376.6	374.5	358.9
35°	499.3	497.9	481.7	461.1	439.6	421.9	416.9	421.5	420.1	418.7	402.1
37.5°	549.2	551.7	534.0	507.1	477.4	458.7	455.1	463.6	467.5	467.5	447.7
40°	607.9	605.8	588.1	555.2	520.6	498.6	499.7	512.4	522.0	519.9	500.4
42.5°	666.3	661.7	638.3	606.1	562.3	540.4	540.4	559.8	574.3	574.7	554.2
45°	723.6	718.6	696.7	654.6	606.9	583.2	588.1	611.8	635.5	632.3	612.2
47.5°	775.9	773.8	751.1	706.2	652.5	627.7	637.6	673.0	698.8	698.8	676.5
50°	827.2	824.3	803.1	752.6	698.4	674.0	688.9	732.0	764.9	766.7	740.9
52.5°	871.4	869.6	849.8	799.6	743.7	719.0	741.2	795.3	833.2	837.1	809.8
55°	903.2	904.3	889.1	841.3	784.7	764.2	794.6	858.3	903.2	903.9	874.6
57.5°	926.5	928.0	917.7	876.3	820.8	805.2	846.3	919.1	970.0	973.2	934.7
60°	936.4	938.9	935.7	901.1	853.0	843.1	892.6	973.6	1030.2	1031.2	984.9
62.5°	931.1	933.6	940.0	915.2	876.3	876.0	937.5	1021.0	1077.2	1078.6	1023.1
65°	907.1	911.0	926.9	915.2	884.8	896.5	967.2	1057.4	1108.0	1109.7	1037.9
67°	874.9	879.9	903.2	902.8	884.8	904.6	981.7	1072.6	1116.4	1114.3	1030.2
67.5°	867.5	872.4	895.8	899.3	882.3	905.7	983.5	1074.4	1113.3	1112.9	1025.2
70°	804.5	813.4	847.3	864.3	863.9	897.2	982.8	1064.8	1091.7	1088.2	983.8
72.5°	732.0	743.0	784.4	816.9	827.5	870.7	957.0	1027.0	1035.8	1031.6	906.4
75°	657.4	663.4	706.6	752.9	779.8	825.8	908.5	966.9	954.5	944.2	809.5
77.5°	578.6	581.0	629.1	681.1	713.7	766.7	836.4	878.8	848.4	839.9	699.2
80°	487.0	497.2	545.3	599.4	639.7	687.8	746.5	772.0	721.1	713.3	581.7
82.5°	412.0	418.4	462.2	515.3	560.5	605.8	644.0	650.7	597.3	591.6	467.5
85°	336.3	342.0	387.9	437.1	479.5	517.4	542.8	532.9	477.4	471.4	369.6
87.5°	278.3	282.6	314.4	364.3	401.7	429.0	442.4	430.0	377.0	368.5	285.4
90°	220.7	227.0	255.7	297.8	336.0	353.6	355.1	334.5	291.0	284.7	218.6
92.5°	178.2	182.5	209.7	244.7	274.8	288.2	284.7	267.4	227.4	220.0	169.0
95°	144.3	147.8	170.5	201.2	225.6	238.0	228.1	205.1	173.6	170.8	130.5
97.5°	119.9	120.6	138.3	165.9	185.3	191.7	183.9	163.0	135.8	130.1	100.1
100°	98.0	98.7	113.5	134.4	152.1	156.3	148.5	128.4	105.4	101.8	78.5
102.5°	79.6	81.3	92.7	111.4	124.5	127.7	119.5	101.8	81.3	78.9	61.2
105°	67.5	67.9	77.8	91.9	103.6	106.1	98.0	82.8	64.0	62.6	48.8
107.5°	57.3	57.3	65.1	77.4	86.6	88.1	81.7	67.5	50.6	49.2	39.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	49.2	49.5	55.2	65.1	73.6	74.6	68.3	54.1	40.3	39.3	32.2
112.5°	42.8	43.5	47.4	55.2	62.6	63.7	57.3	44.2	32.9	31.5	26.9
115°	37.8	38.2	41.0	47.4	53.4	54.1	47.7	36.4	26.5	25.5	22.6
117.5°	33.6	33.9	36.1	41.4	46.0	46.3	40.0	30.1	22.3	21.2	19.8
120°	30.4	30.4	32.2	35.7	39.6	39.6	33.6	24.8	18.4	18.0	17.0
122.5°	27.6	27.6	28.6	31.1	33.9	33.2	27.9	20.5	15.6	15.2	14.9
125°	25.1	25.1	25.8	27.2	29.0	27.9	23.0	17.0	13.4	13.1	13.1
127.5°	22.6	22.6	23.0	24.0	24.4	23.3	19.1	14.1	11.7	11.3	11.7
130°	20.5	20.5	20.5	20.5	20.5	19.8	15.6	11.7	9.9	9.9	10.3
132.5°	18.4	18.4	18.0	17.7	17.3	15.9	12.7	9.5	8.8	8.8	9.2
135°	16.3	16.3	15.9	15.2	14.1	12.4	9.5	7.8	7.4	7.4	7.8
137.5°	14.1	14.1	13.8	12.7	11.3	9.5	7.4	6.4	6.4	6.4	6.7
140°	12.0	12.0	11.7	10.6	8.8	7.1	5.7	5.0	5.3	5.3	5.7
142.5°	10.3	9.9	9.5	8.5	6.7	5.0	3.9	3.9	4.2	4.2	4.6
145°	8.1	7.8	7.4	6.4	5.0	3.5	2.8	2.8	3.2	3.2	3.5
147.5°	6.4	6.0	5.7	4.6	3.5	2.5	1.8	2.1	2.5	2.5	2.5
150°	4.2	4.2	4.2	3.5	2.1	1.4	1.1	1.4	1.4	1.4	1.8
152.5°	2.8	2.8	2.8	2.1	1.4	0.7	0.7	0.7	1.1	1.1	1.1
155°	1.8	1.8	1.8	1.4	0.7	0.4	0.4	0.4	0.7	0.7	0.7
157.5°	0.7	0.7	0.7	0.7	0.7	0.4	0.0	0.4	0.4	0.4	0.4
160°	0.4	0.4	0.7	0.7	0.7	0.4	0.0	0.0	0.4	0.4	0.4
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°	101.5	101.5	101.5	101.5	101.5	101.5	101.5	101.5	101.5	101.5	101.5
2.5°	102.2	101.5	100.1	99.0	98.0	96.9	95.8	95.1	94.1	94.1	94.1
5°	105.7	104.0	101.1	99.0	96.5	94.8	92.7	91.2	90.2	89.8	89.8
7.5°	111.8	109.3	105.0	100.8	97.3	94.4	91.9	90.2	88.8	88.4	88.4
10°	120.2	117.1	110.3	105.4	100.8	96.9	93.7	91.2	90.2	89.5	89.5
12.5°	132.6	128.4	120.6	112.1	106.1	101.1	97.3	96.2	96.2	96.5	96.2
15°	147.5	143.2	132.6	122.7	113.9	108.2	106.1	106.1	105.7	106.4	106.4
17.5°	166.2	160.2	147.5	134.4	124.1	118.8	116.7	116.0	116.7	117.8	117.1
20°	188.5	179.7	163.7	147.5	136.5	131.2	127.7	127.0	128.0	128.7	129.1
22.5°	211.8	202.3	182.1	161.3	149.9	142.9	139.0	137.9	139.7	141.5	141.8
25°	238.4	227.7	201.9	177.9	162.0	152.4	148.9	148.5	151.4	153.8	153.8
27.5°	270.5	256.4	223.5	195.9	175.4	162.7	158.8	159.1	163.0	165.2	165.9
30°	304.1	288.2	248.3	212.5	186.0	170.8	166.6	168.3	172.2	176.5	177.2
32.5°	342.0	323.2	272.3	229.2	195.6	177.2	172.6	176.1	180.4	185.3	186.0
35°	381.6	356.5	297.1	244.4	203.3	182.1	176.8	181.1	186.4	191.0	192.4
37.5°	426.5	396.8	323.9	256.7	209.4	185.0	179.3	184.2	190.3	194.9	195.2
40°	472.5	438.2	349.4	268.4	213.6	186.7	180.7	185.7	191.3	195.2	195.6
42.5°	520.6	480.2	373.1	278.0	215.7	186.7	180.0	185.0	190.3	192.4	192.7
45°	576.8	524.8	397.5	284.7	216.4	186.0	178.9	182.8	186.7	187.4	188.5
47.5°	633.4	569.0	418.4	289.6	216.1	184.2	177.2	180.4	182.8	182.1	183.2
50°	693.1	617.1	438.5	292.8	214.3	182.5	174.7	177.5	178.2	176.1	176.1
52.5°	750.4	658.8	454.1	293.2	211.8	180.4	172.9	175.1	174.7	170.8	171.2
55°	807.7	703.4	467.2	290.0	208.3	178.2	171.2	172.6	171.5	166.9	166.2
57.5°	856.9	739.5	472.8	285.4	204.4	176.1	170.1	171.5	169.4	164.1	163.7
60°	898.6	767.4	473.2	279.0	199.8	174.3	169.0	170.8	169.0	162.7	162.0
62.5°	924.4	780.1	464.0	269.1	195.2	172.2	169.0	170.5	168.3	162.0	161.6
65°	928.7	773.8	449.1	257.8	189.9	170.1	168.3	170.1	168.0	161.3	160.6
67°	912.0	755.4	429.0	247.2	185.3	168.3	166.9	169.4	166.9	160.6	159.5
67.5°	906.4	746.9	424.4	245.8	184.2	167.6	166.6	168.7	166.6	160.2	159.1
70°	856.9	700.6	389.7	230.2	177.5	164.1	164.1	165.9	163.7	157.7	156.0
72.5°	780.5	635.5	355.1	215.4	170.1	158.8	159.8	161.6	159.5	153.8	151.7
75°	692.1	562.3	316.5	198.0	161.6	153.5	154.2	156.0	153.8	147.8	146.1
77.5°	593.8	477.8	277.6	182.1	152.8	146.4	146.8	147.8	146.1	140.0	138.3
80°	488.4	394.0	238.0	164.1	142.5	137.6	137.9	137.9	135.4	130.5	129.1
82.5°	393.6	320.0	203.0	148.2	131.2	127.7	127.7	127.3	124.1	119.9	117.8
85°	306.3	258.2	170.1	131.9	119.9	116.7	116.3	114.9	111.8	107.2	104.7
87.5°	240.1	204.4	143.2	116.3	108.6	106.4	104.3	101.1	98.7	94.8	92.7
90°	187.4	162.3	120.9	102.2	97.6	94.8	92.7	88.8	84.9	81.0	79.9
92.5°	146.8	128.4	100.8	89.1	86.3	84.2	81.3	77.1	73.6	69.0	69.3
95°	116.3	104.3	85.9	78.5	76.4	74.6	71.1	66.5	62.6	58.4	57.6
97.5°	91.2	83.1	72.1	68.3	67.5	65.4	61.9	57.3	53.0	48.4	48.4
100°	72.5	67.9	60.8	60.1	58.7	57.3	53.8	49.5	44.2	40.3	40.3
102.5°	58.4	54.5	52.0	52.0	51.6	50.2	46.7	42.4	37.1	33.2	33.2
105°	46.7	45.3	44.2	45.3	45.6	44.2	40.7	36.1	30.8	27.2	27.9
107.5°	38.9	37.8	37.8	39.3	40.0	38.5	35.4	30.4	25.5	23.0	23.0



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CATALOG NUMBER: LXF.LXT-PA1-30-727-U-T4W-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	32.2	31.8	32.5	34.3	34.7	33.6	30.4	25.8	21.2	19.1	19.5
112.5°	27.2	26.9	28.3	30.1	30.4	29.4	26.2	21.9	17.7	16.3	16.3
115°	23.0	23.3	24.4	25.8	26.5	25.5	22.6	18.7	14.5	13.8	13.8
117.5°	19.8	20.2	21.2	23.0	23.3	21.9	19.1	15.6	12.4	12.0	12.0
120°	17.3	17.7	18.7	19.8	20.2	18.7	16.3	13.1	10.6	10.3	10.3
122.5°	15.2	15.9	16.6	17.3	17.7	16.3	14.1	11.0	8.8	8.8	9.2
125°	13.4	13.8	14.5	15.2	15.2	13.8	11.7	9.2	7.8	7.8	7.8
127.5°	12.0	12.0	12.4	13.1	13.1	12.0	9.9	7.4	6.7	6.7	7.1
130°	10.6	11.0	11.0	11.0	11.0	9.9	8.1	6.4	5.7	6.0	6.0
132.5°	9.2	9.5	9.5	9.5	9.2	8.1	6.7	5.3	5.0	5.3	5.3
135°	8.1	8.1	8.1	8.1	7.4	6.7	5.3	4.2	4.2	4.6	4.6
137.5°	7.1	7.1	7.1	6.7	6.0	5.3	4.2	3.5	3.5	3.9	3.9
140°	5.7	6.0	5.7	5.3	4.6	3.9	3.2	2.8	3.2	3.2	3.2
142.5°	4.6	4.6	4.6	4.2	3.5	2.8	2.5	2.1	2.5	2.5	2.8
145°	3.5	3.5	3.5	3.2	2.5	1.8	1.8	1.8	2.1	2.1	2.1
147.5°	2.5	2.5	2.5	2.1	1.4	1.1	1.1	1.1	1.4	1.4	1.4
150°	1.8	1.8	1.8	1.4	0.7	0.4	0.4	0.7	1.1	1.1	1.1
152.5°	1.1	1.1	1.1	0.7	0.4	0.0	0.4	0.7	0.7	0.4	0.4
155°	0.7	0.7	0.7	0.7	0.4	0.0	0.4	0.4	0.4	0.0	0.0
157.5°	0.7	0.7	0.4	0.4	0.0	0.0	0.0	0.4	0.0	0.0	0.0
160°	0.4	0.4	0.4	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)