

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: P414588

Luminaire Tested: **LXF.LXT-PA1-30-727-U-T3-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414588
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-PA1-30-727-U-T3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 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: 3007 lumens
Efficiency: N/A
Efficacy: 97.0 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

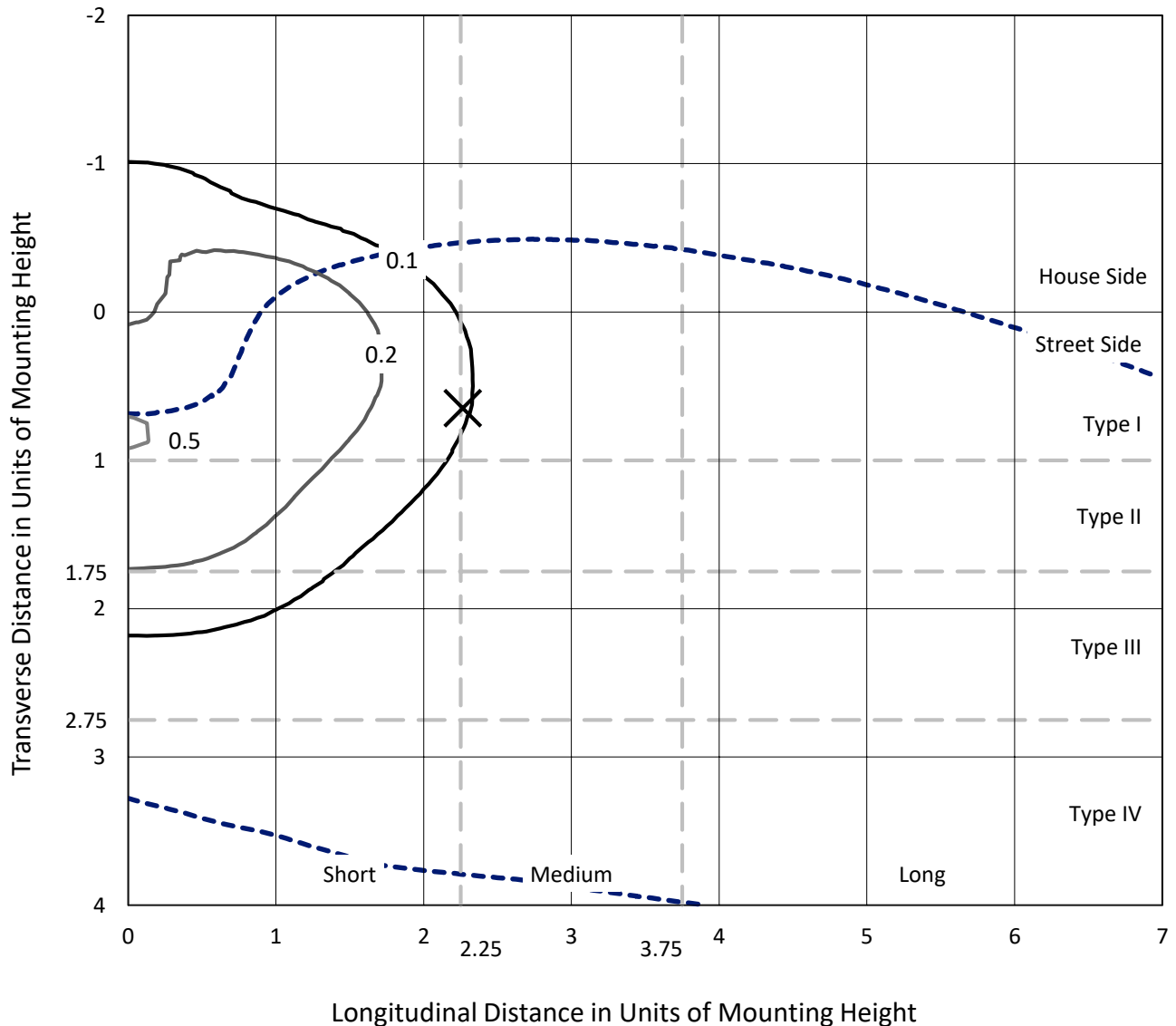
Input Watts (W): 31
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

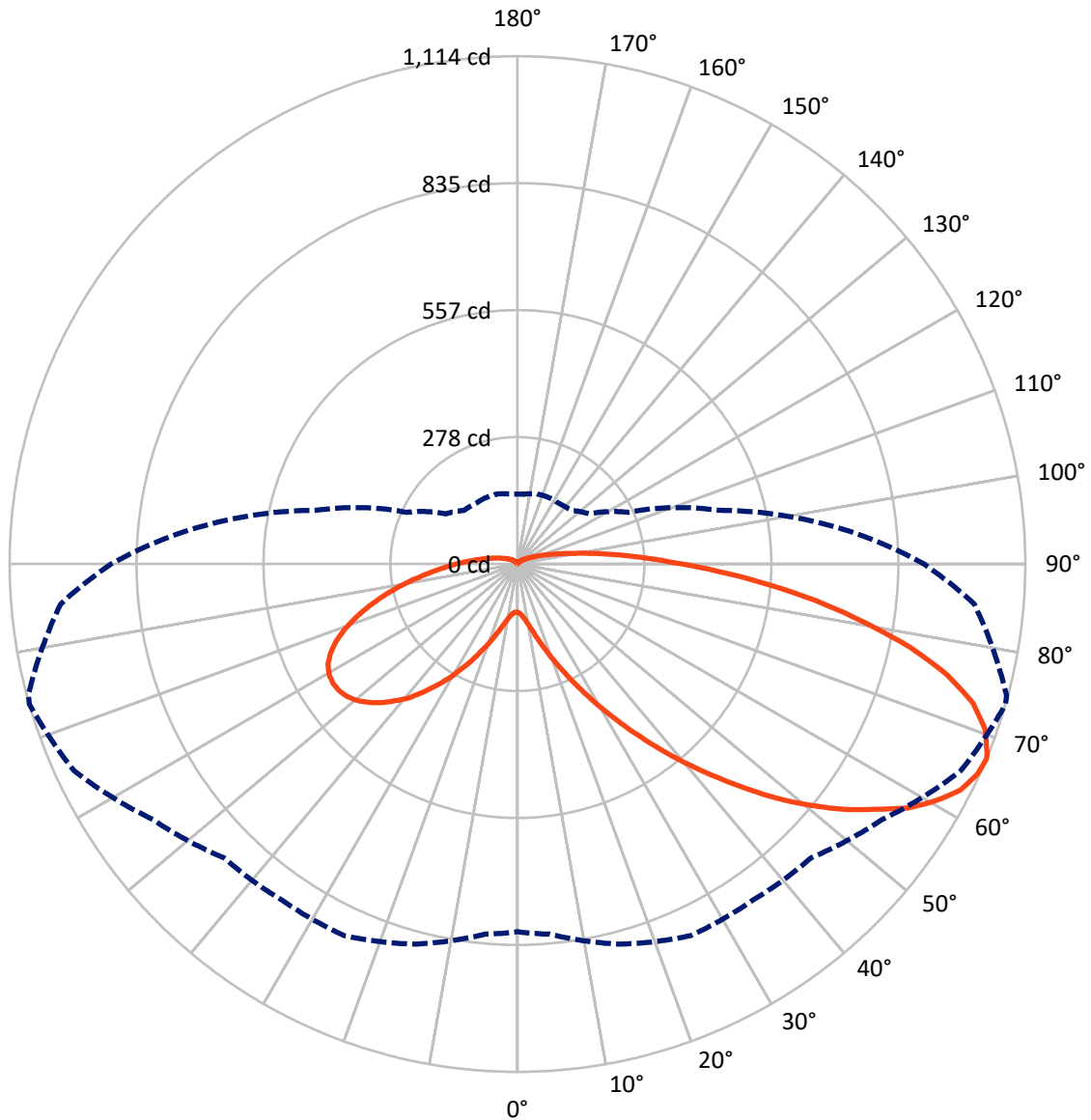
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 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	724.9	89.6	814.5
	% Fixture	24.1	3.0	27.1
Street Side	Lumens	2036.4	156.1	2192.5
	% Fixture	67.7	5.2	72.9
Total	Lumens	2761.3	245.7	3007.0
	% Fixture	91.8	8.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.2	0.4
10°-20°	46.1	1.5
20°-30°	116.8	3.9
30°-40°	234.4	7.8
40°-50°	393.4	13.1
50°-60°	551.9	18.4
60°-70°	616.9	20.5
70°-80°	503.3	16.7
80°-90°	287.3	9.6
90°-100°	131.3	4.4
100°-110°	60.1	2.0
110°-120°	29.6	1.0
120°-130°	15.1	0.5
130°-140°	7.0	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°	2761.3	91.8
0°-180°	3007.0	100.0

Coefficient of Utilization



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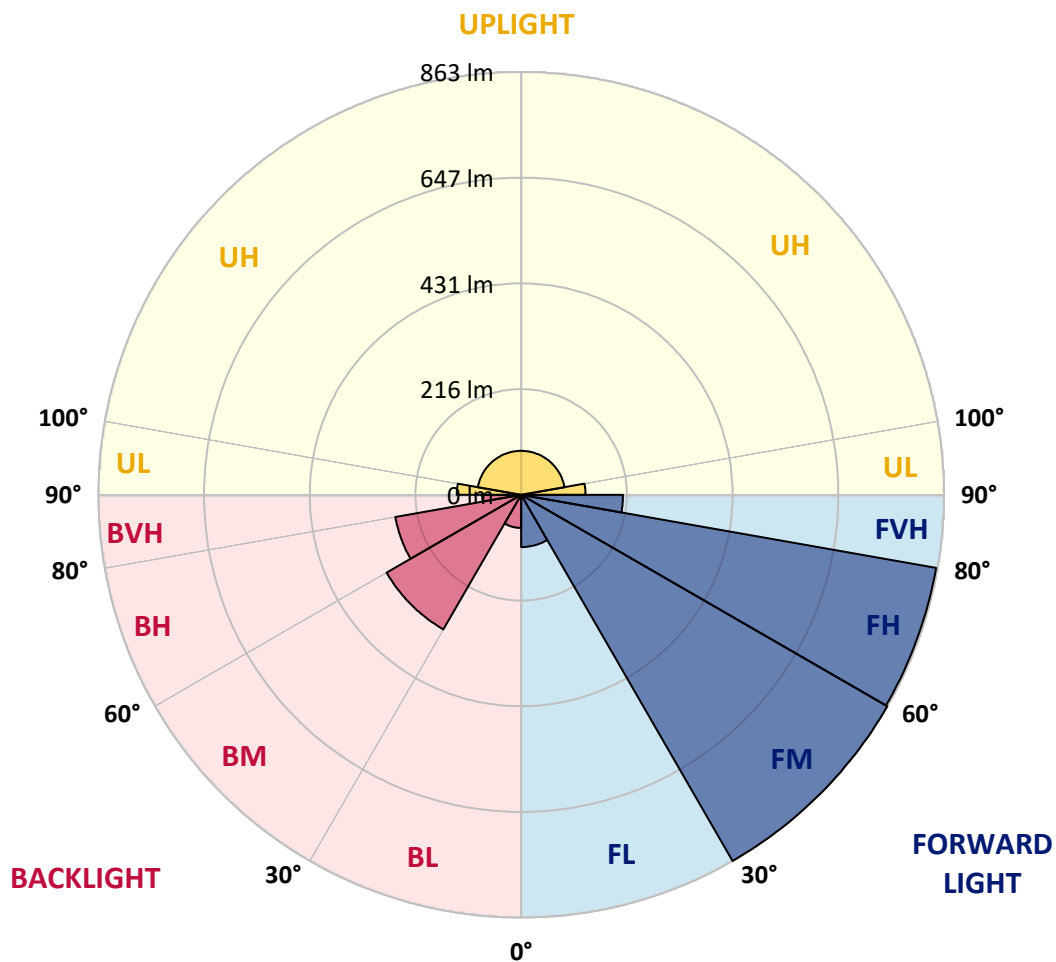
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	106.6	3.5			
FM (30°-60°)	862.6	28.7			
FH (60°-80°)	859.5	28.6			G1/1800
FVH (80°-90°)	207.7	6.9			G2/225
BL (0°-30°)	67.6	2.2	B0/110		
BM (30°-60°)	317.1	10.5	B1/1000		
BH (60°-80°)	260.6	8.7	B1/500		G1/500
BVH (80°-90°)	79.6	2.6			G1/100
UL (90°-100°)	131.3	4.4		U3/500	
UH (100°-180°)	89.6	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°	106.1	106.1	106.1	106.1	106.1	106.1	106.1	106.1	106.1	106.1	106.1
2.5°	115.3	114.6	114.6	113.9	113.5	112.1	111.0	109.6	108.9	108.5	107.5
5°	125.9	124.8	124.8	124.1	122.7	120.9	118.4	117.0	114.6	114.9	111.7
7.5°	138.6	138.3	137.5	136.1	134.4	132.2	129.8	126.6	123.8	123.8	119.9
10°	155.6	153.5	153.5	151.7	149.9	146.7	143.2	139.7	135.8	135.4	130.1
12.5°	176.1	175.7	173.6	171.1	168.3	165.1	159.5	155.9	152.0	151.7	146.0
15°	200.1	199.1	196.2	195.2	190.9	185.3	180.7	177.1	173.3	171.8	164.4
17.5°	228.4	227.0	225.9	220.6	217.1	212.5	207.2	202.6	195.9	195.2	187.0
20°	261.7	258.5	255.3	251.0	245.4	241.1	235.5	231.2	223.5	223.5	212.5
22.5°	296.7	295.9	293.1	286.0	278.3	274.0	268.7	260.2	253.9	252.1	240.1
25°	339.1	338.4	332.7	325.3	317.2	310.8	302.3	293.1	287.8	287.5	274.0
27.5°	387.2	388.2	378.3	368.8	357.8	347.6	338.4	333.8	326.7	325.6	310.1
30°	445.2	440.6	430.3	416.5	401.3	388.2	378.7	374.1	369.5	369.1	350.4
32.5°	504.2	498.9	490.1	471.0	449.8	429.6	425.0	421.1	415.8	413.0	394.2
35°	569.6	565.4	552.6	527.5	499.3	477.3	467.8	468.5	466.0	464.6	442.0
37.5°	641.8	634.3	617.0	592.6	550.9	527.2	516.2	522.2	520.8	518.0	494.3
40°	709.6	708.6	690.2	652.4	610.3	576.7	569.3	579.5	577.8	574.2	548.1
42.5°	788.1	780.4	759.8	717.4	666.5	629.4	621.2	636.4	638.6	639.3	604.3
45°	855.3	851.8	832.3	783.5	724.8	684.5	677.8	694.1	701.2	701.9	663.3
47.5°	920.7	919.3	899.5	848.9	781.8	739.0	730.1	753.5	768.3	765.2	719.5
50°	969.9	972.3	956.4	908.4	838.3	787.4	789.5	818.2	832.0	830.2	779.6
52.5°	1012.0	1008.4	1001.7	956.1	883.2	836.6	839.0	873.3	893.9	892.8	836.6
55°	1027.5	1026.4	1027.2	990.0	920.0	876.9	884.3	932.7	949.7	947.6	882.9
57.5°	1024.3	1023.6	1034.6	1010.2	949.7	908.7	925.7	981.5	1009.5	1006.6	931.7
60°	1000.3	997.1	1020.8	1012.0	961.7	928.5	958.2	1024.3	1054.4	1053.7	971.6
62.5°	946.2	951.1	984.0	992.2	958.2	938.8	977.7	1057.6	1091.2	1088.7	1000.3
65°	870.9	883.2	922.8	951.1	934.2	929.6	984.7	1072.4	1109.5	1109.2	1010.5
67°	806.5	815.0	863.1	899.2	900.2	910.8	976.6	1072.8	1113.8	1110.6	1005.6
67.5°	783.9	795.2	844.0	887.8	892.4	905.5	973.4	1072.1	1111.0	1109.2	1003.1
70°	681.4	694.4	747.8	803.0	831.3	859.6	944.4	1052.3	1088.3	1084.4	974.5
72.5°	577.4	595.8	646.3	711.8	753.1	799.8	894.2	1002.8	1045.2	1037.1	918.6
75°	477.7	490.1	539.2	609.9	663.7	727.0	825.6	935.9	974.1	967.4	847.5
77.5°	380.8	392.1	439.5	510.6	571.4	642.5	745.4	852.1	881.8	877.9	757.4
80°	300.5	308.7	354.3	417.6	480.2	556.2	653.8	749.2	768.7	771.5	658.0
82.5°	231.2	241.8	281.5	337.3	396.4	468.8	553.7	638.2	659.8	652.7	556.2
85°	176.8	185.6	221.0	268.4	327.4	388.6	464.3	533.6	543.1	535.0	450.8
87.5°	138.3	145.0	172.5	218.5	265.5	317.9	378.3	431.4	436.3	434.9	361.0
90°	107.1	113.1	136.1	172.5	215.7	260.6	308.0	345.1	342.6	344.7	284.6
92.5°	84.2	87.3	108.2	140.4	176.4	212.5	248.6	273.3	273.0	267.0	222.0
95°	68.2	70.0	88.0	114.9	143.9	172.5	199.4	215.3	214.6	208.3	173.3
97.5°	55.2	56.2	71.8	94.4	118.8	141.1	160.5	171.8	166.2	163.7	135.8
100°	45.3	46.0	59.4	78.8	99.0	118.1	131.9	136.5	128.7	127.3	106.8
102.5°	38.5	38.9	50.2	66.8	82.7	97.2	107.5	109.6	100.4	101.1	84.2
105°	32.9	33.2	42.1	56.9	70.4	81.3	88.7	87.7	80.3	79.2	67.2
107.5°	28.6	29.0	36.1	48.8	60.5	69.7	73.5	71.1	64.4	62.9	54.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	25.1	25.5	31.1	41.7	52.0	59.8	61.9	58.0	52.0	50.6	44.6
112.5°	22.6	22.6	27.2	36.1	45.3	51.6	52.3	48.4	41.7	41.0	37.1
115°	20.5	20.5	24.0	31.1	39.2	44.2	44.2	39.6	34.3	33.9	31.1
117.5°	18.7	18.7	21.2	27.2	33.9	38.2	37.5	33.2	28.6	28.3	26.9
120°	17.3	17.3	19.1	23.7	29.3	32.5	31.8	27.6	24.0	23.7	23.0
122.5°	15.9	16.3	17.3	20.9	25.5	27.9	27.2	23.7	20.5	20.2	20.2
125°	14.9	14.9	15.6	18.0	21.9	24.0	23.0	19.4	17.3	17.3	17.3
127.5°	13.8	13.8	14.1	15.9	18.7	20.2	19.1	16.3	15.2	14.9	15.2
130°	12.7	12.7	13.1	13.8	15.9	16.6	15.6	13.8	12.7	12.7	13.1
132.5°	11.7	11.7	11.7	12.0	13.1	13.8	12.7	11.3	11.0	11.0	11.3
135°	10.6	11.0	10.6	10.6	11.0	11.0	9.9	9.2	9.2	9.5	9.9
137.5°	9.5	9.5	9.2	8.8	8.8	8.5	7.8	7.4	7.8	7.8	8.1
140°	8.5	8.5	8.1	7.4	6.7	6.4	6.0	5.7	6.4	6.4	6.7
142.5°	7.4	7.4	6.7	6.0	5.0	4.2	3.9	4.2	5.0	5.0	5.3
145°	6.0	6.0	5.7	5.0	3.5	2.8	2.5	3.2	3.5	3.5	3.9
147.5°	5.0	4.6	4.2	3.5	2.5	1.8	1.4	2.1	2.5	2.5	2.8
150°	3.5	3.5	3.2	2.5	1.4	0.7	0.7	1.1	1.4	1.4	1.8
152.5°	2.5	2.5	2.1	1.4	0.7	0.0	0.4	0.7	0.7	0.7	1.1
155°	1.4	1.4	1.4	1.1	0.4	0.0	0.0	0.4	0.4	0.4	0.7
157.5°	0.7	0.7	0.7	0.7	0.4	0.0	0.0	0.0	0.4	0.4	0.4
160°	0.4	0.4	0.7	0.4	0.4	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°	106.1	106.1	106.1	106.1	106.1	106.1	106.1	106.1	106.1	106.1	106.1
2.5°	106.8	106.1	105.4	104.3	103.6	102.9	102.2	101.8	101.8	101.5	101.8
5°	110.7	109.6	107.5	105.7	103.6	102.2	100.8	100.1	99.4	99.0	99.0
7.5°	117.7	116.3	112.8	109.6	106.4	104.0	102.2	100.4	99.7	99.4	99.4
10°	128.0	125.9	120.6	116.0	111.4	108.2	105.0	103.2	102.2	101.5	101.5
12.5°	142.5	139.0	132.2	124.5	118.4	114.2	110.3	108.5	108.2	108.2	108.2
15°	161.9	157.0	146.7	137.5	128.7	121.3	118.4	118.4	118.1	117.7	118.1
17.5°	182.1	176.4	163.7	152.0	141.1	133.7	129.1	128.0	127.6	127.3	127.6
20°	206.1	199.1	184.2	168.3	154.5	147.4	141.1	138.3	137.9	138.3	137.5
22.5°	233.4	225.6	203.7	184.6	169.4	159.5	152.0	148.2	148.9	148.9	148.5
25°	266.2	254.2	228.4	202.6	184.2	170.4	161.9	158.1	158.4	159.1	159.8
27.5°	299.5	285.7	252.8	221.3	197.3	181.4	171.5	167.2	166.9	169.0	168.7
30°	338.4	320.7	279.7	240.4	209.3	189.2	178.9	175.4	175.0	176.8	177.1
32.5°	380.1	358.2	307.6	259.5	219.9	195.9	184.2	181.7	181.0	182.8	183.2
35°	425.7	397.8	334.8	276.1	228.8	200.5	188.5	185.6	184.6	186.3	187.0
37.5°	469.9	437.4	362.8	291.0	235.8	203.3	190.2	188.1	186.7	187.8	188.1
40°	516.6	481.9	391.1	304.4	240.1	204.7	190.9	188.8	187.4	187.4	187.4
42.5°	567.9	522.9	414.0	314.0	242.6	204.4	190.2	187.8	186.0	184.6	184.6
45°	620.5	567.1	437.7	321.8	242.9	202.6	188.5	186.3	183.5	180.7	180.3
47.5°	671.8	607.1	458.6	326.0	241.8	200.1	186.0	183.2	180.7	176.4	176.4
50°	721.7	647.1	475.9	328.1	238.7	197.3	183.5	180.7	177.5	171.8	171.1
52.5°	767.3	683.5	489.0	327.4	234.1	193.4	180.3	177.9	174.0	167.2	167.2
55°	812.2	717.1	497.1	322.8	228.4	189.2	177.5	175.0	170.8	163.7	163.0
57.5°	848.9	741.1	500.3	315.7	222.0	184.6	174.7	172.2	168.3	160.5	160.5
60°	880.1	761.3	498.2	306.6	215.0	180.3	171.1	169.7	166.2	158.8	158.8
62.5°	898.1	769.4	490.1	294.9	206.8	175.7	168.0	167.2	164.1	157.0	157.0
65°	902.0	764.1	473.4	280.4	198.7	170.4	164.4	164.1	161.9	155.2	154.5
67°	891.4	750.3	455.1	268.0	191.6	166.2	161.2	161.2	159.5	153.5	153.1
67.5°	887.5	745.0	450.1	264.8	190.2	165.5	160.5	160.9	159.1	153.1	152.0
70°	853.5	709.3	419.7	246.8	180.3	159.1	155.9	156.3	154.9	150.3	149.2
72.5°	800.9	658.0	384.0	229.5	170.4	152.7	149.6	151.0	149.6	146.0	143.9
75°	729.8	595.4	346.9	209.7	160.5	145.0	142.8	143.6	143.2	139.7	137.9
77.5°	646.0	526.5	307.3	191.3	149.6	137.2	135.1	136.1	135.4	132.2	130.1
80°	555.1	453.6	269.1	172.9	138.3	128.4	126.2	126.6	126.2	123.0	120.2
82.5°	466.0	382.2	230.2	154.9	127.3	118.8	116.3	116.0	115.3	111.7	109.6
85°	384.7	314.0	196.6	137.5	116.0	108.2	106.1	104.7	103.6	99.7	98.3
87.5°	306.6	256.7	166.2	122.7	104.7	98.3	95.5	93.0	91.2	87.7	86.3
90°	244.7	206.8	141.8	107.5	94.4	88.7	84.9	81.7	79.6	75.7	73.5
92.5°	194.1	164.8	119.2	94.4	84.5	79.6	76.0	72.1	69.3	64.4	63.3
95°	153.8	132.6	100.4	82.7	75.0	70.7	67.5	63.3	59.4	54.5	53.4
97.5°	121.6	108.2	84.5	72.5	66.1	62.6	59.4	55.2	50.9	46.0	45.3
100°	97.2	87.0	72.5	63.3	59.0	55.5	52.3	48.4	43.1	38.2	38.2
102.5°	78.1	71.4	60.8	55.5	52.0	49.1	46.3	42.4	36.8	31.5	31.5
105°	63.3	59.0	52.3	48.4	46.0	43.8	41.0	36.4	30.8	26.5	26.5
107.5°	52.0	48.8	44.9	42.1	40.7	38.5	36.1	31.5	26.2	22.3	22.3



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CATALOG NUMBER: LXF.LXT-PA1-30-727-U-T3-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	43.1	41.0	38.2	37.1	36.1	34.3	31.5	27.2	21.9	19.1	19.1
112.5°	36.1	35.0	32.9	32.5	31.8	30.4	27.6	23.3	18.4	16.6	16.6
115°	30.8	30.1	28.6	28.6	27.9	26.9	24.0	20.2	15.9	14.1	14.5
117.5°	26.2	25.8	25.1	25.1	24.8	23.7	20.9	17.3	13.4	12.7	12.7
120°	23.0	22.6	22.3	21.9	21.9	20.5	18.0	14.5	11.7	11.3	11.3
122.5°	19.8	19.8	19.4	19.4	19.1	17.7	15.6	12.4	10.3	9.9	9.9
125°	17.3	17.3	17.0	17.0	16.6	15.6	13.4	10.6	8.8	8.8	8.8
127.5°	15.2	15.2	14.9	14.9	14.5	13.1	11.3	8.8	7.8	7.8	8.1
130°	13.4	13.4	13.1	12.7	12.4	11.3	9.2	7.4	6.7	7.1	7.1
132.5°	11.7	11.3	11.3	11.0	10.3	9.2	7.8	6.4	6.0	6.4	6.4
135°	9.9	9.9	9.5	9.2	8.5	7.8	6.4	5.3	5.3	5.7	5.7
137.5°	8.5	8.5	8.1	7.4	7.1	6.0	5.0	4.2	4.6	5.0	5.0
140°	6.7	7.1	6.7	6.0	5.3	4.6	3.9	3.5	3.9	4.2	4.6
142.5°	5.7	5.7	5.3	4.6	3.9	3.2	2.8	2.8	3.5	3.9	3.9
145°	4.2	4.2	3.9	3.5	2.5	2.1	1.8	2.5	2.8	3.2	3.2
147.5°	2.8	2.8	2.8	2.1	1.4	1.1	1.1	1.8	2.5	2.5	2.5
150°	1.8	1.8	1.8	1.4	0.7	0.4	0.7	1.4	1.8	2.1	2.1
152.5°	1.1	1.1	1.1	0.7	0.4	0.0	0.4	1.1	1.4	1.4	1.4
155°	0.7	0.7	0.7	0.4	0.4	0.0	0.4	0.7	1.1	1.1	1.1
157.5°	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.7	0.7	0.7	0.7
160°	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.7	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

(END OF REPORT)