

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: P414857

Luminaire Tested: **LXF.LXT-PA1-30-827-U-T4W-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414857
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-PA1-30-827-U-T4W-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 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: 2619 lumens
Efficiency: N/A
Efficacy: 84.5 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

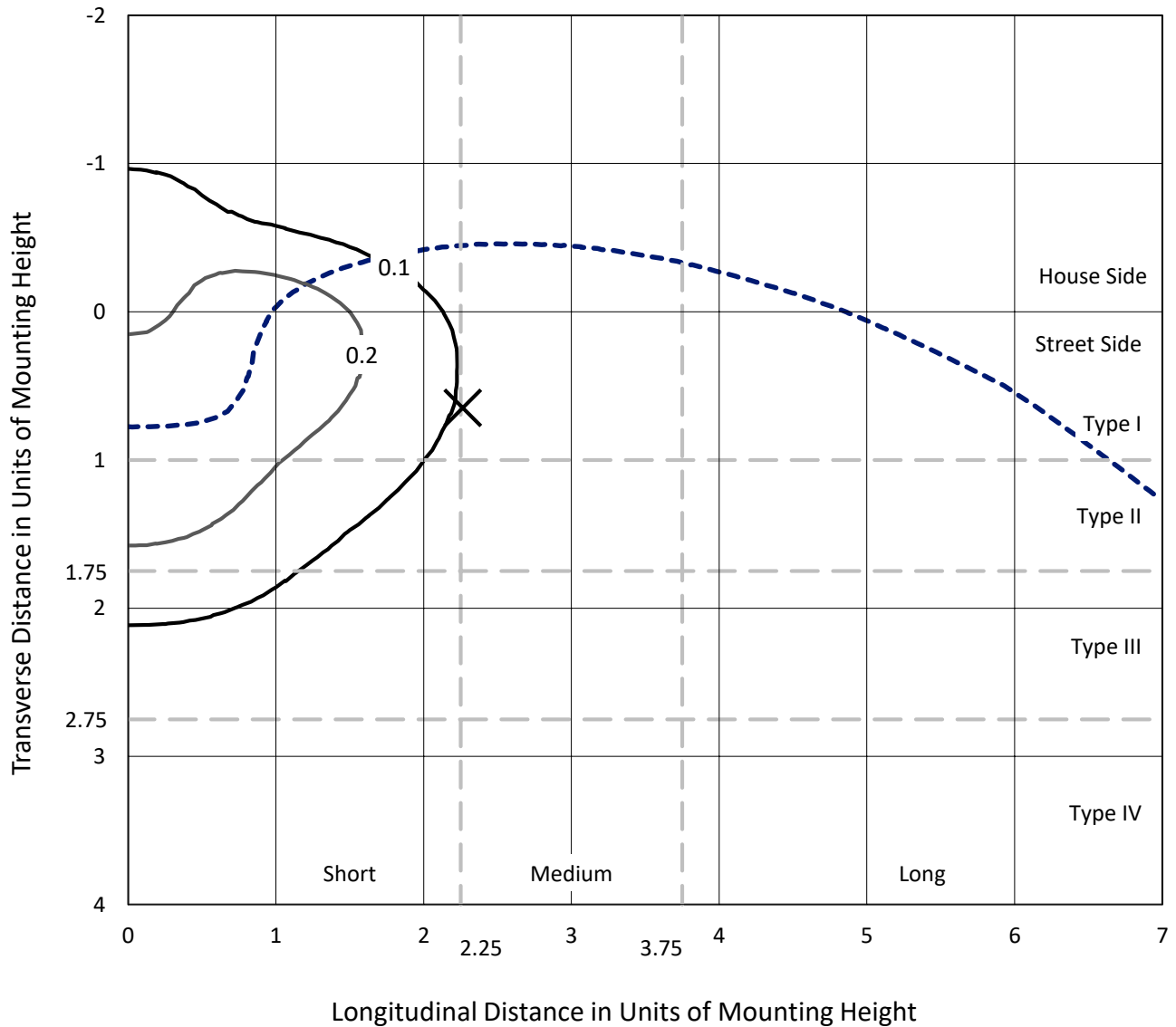


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

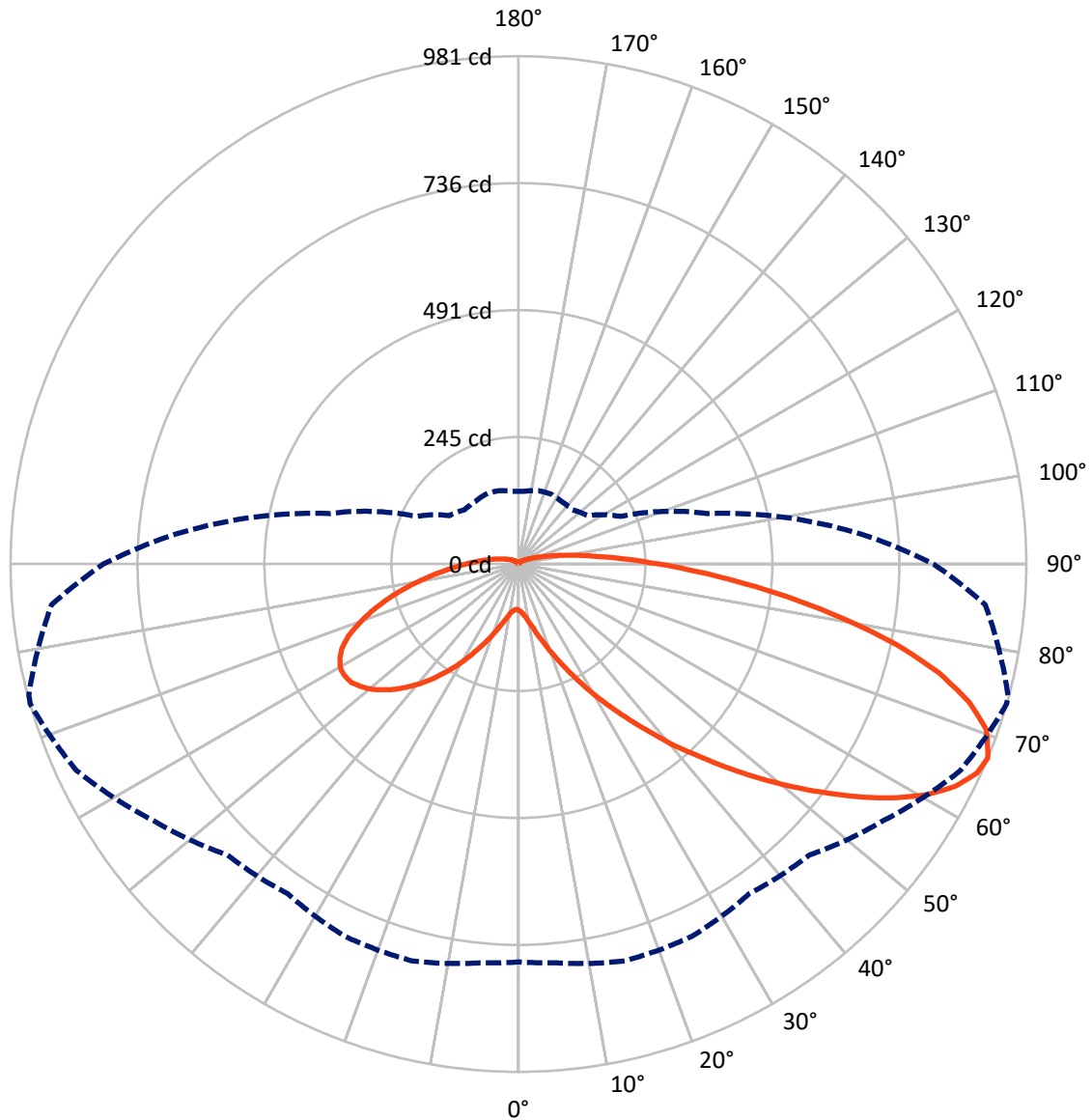


Based on 25 foot mounting height. Maximum calculated value = 0.4 fc
 Type IV - Medium - Non-Cutoff

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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	610.7	73.4	684.1
	% Fixture	23.3	2.8	26.1
Street Side	Lumens	1767.4	167.5	1934.9
	% Fixture	67.5	6.4	73.9
Total	Lumens	2378.1	240.9	2619.0
	% Fixture	90.8	9.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.3	0.4
10°-20°	38.2	1.5
20°-30°	94.8	3.6
30°-40°	185.1	7.1
40°-50°	306.1	11.7
50°-60°	443.6	16.9
60°-70°	537.0	20.5
70°-80°	477.4	18.2
80°-90°	286.8	10.9
90°-100°	131.7	5.0
100°-110°	58.6	2.2
110°-120°	28.0	1.1
120°-130°	13.9	0.5
130°-140°	6.3	0.2
140°-150°	2.1	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2378.1	90.8
0°-180°	2619.0	100.0



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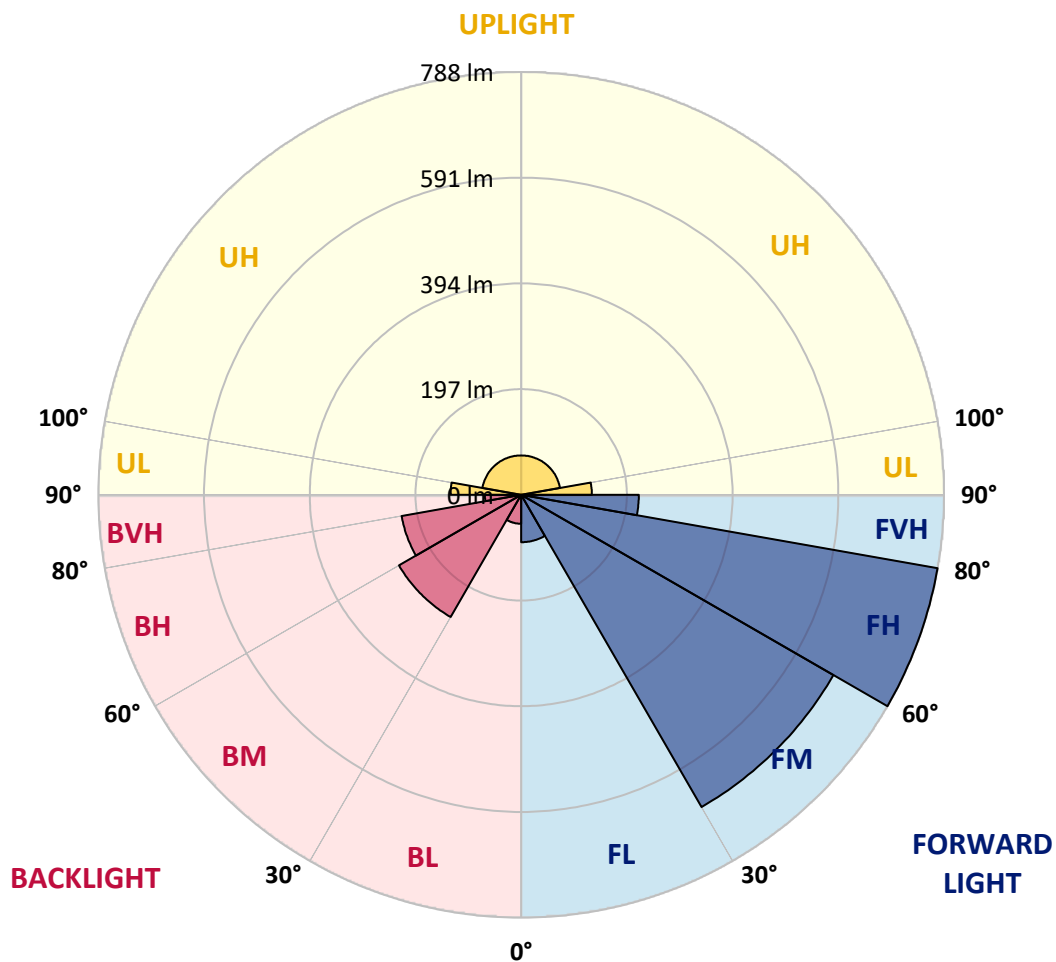
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	88.3	3.4			
FM (30°-60°)	671.9	25.7			
FH (60°-80°)	788.0	30.1			G1/1800
FVH (80°-90°)	219.2	8.4			G2/225
BL (0°-30°)	54.0	2.1	B0/110		
BM (30°-60°)	262.9	10.0	B1/1000		
BH (60°-80°)	226.3	8.6	B1/500		G1/500
BVH (80°-90°)	67.6	2.6			G1/100
UL (90°-100°)	131.7	5.0		U3/500	
UH (100°-180°)	73.4	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°	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
2.5°	98.5	97.6	97.6	97.0	96.7	95.7	95.1	92.9	92.0	92.0	90.4
5°	109.1	108.5	107.2	107.2	106.0	104.7	102.3	99.5	97.3	97.0	94.2
7.5°	122.1	120.6	120.6	119.0	117.2	115.0	111.6	107.8	104.4	104.1	99.8
10°	137.1	136.4	135.8	133.6	131.2	126.8	123.7	118.4	114.4	114.1	108.2
12.5°	155.4	154.5	152.6	150.4	146.1	143.0	137.4	131.5	126.2	126.5	119.7
15°	175.3	174.7	173.4	170.0	165.0	160.7	155.1	148.9	143.6	141.4	134.3
17.5°	198.0	196.7	195.2	191.5	185.9	181.5	174.0	168.1	161.3	161.6	151.4
20°	224.7	223.5	221.3	215.4	210.4	204.5	196.7	190.2	182.4	181.8	171.6
22.5°	251.1	251.7	246.5	240.2	235.6	228.8	221.3	212.9	206.1	205.4	193.6
25°	283.8	281.6	276.3	269.2	262.0	253.6	247.1	239.6	233.1	232.5	218.5
27.5°	318.0	316.1	308.9	299.9	290.3	281.0	275.4	267.6	262.6	261.7	247.4
30°	355.2	352.1	345.6	333.5	320.1	309.6	304.0	301.2	296.5	295.3	280.7
32.5°	397.2	393.2	383.5	368.9	349.7	337.8	335.4	332.9	331.0	329.1	315.5
35°	438.9	437.6	423.3	405.3	386.3	370.8	366.4	370.5	369.2	368.0	353.4
37.5°	482.7	484.9	469.3	445.7	419.6	403.1	400.0	407.5	410.9	410.9	393.5
40°	534.3	532.4	516.9	488.0	457.5	438.2	439.2	450.4	458.7	456.9	439.8
42.5°	585.6	581.5	561.0	532.7	494.2	474.9	474.9	492.0	504.7	505.1	487.0
45°	635.9	631.5	612.3	575.3	533.3	512.5	516.9	537.7	558.5	555.7	538.0
47.5°	681.9	680.0	660.1	620.7	573.4	551.7	560.4	591.5	614.1	614.1	594.6
50°	727.0	724.5	705.8	661.4	613.8	592.4	605.4	643.4	672.3	673.8	651.1
52.5°	765.8	764.3	746.9	702.7	653.6	631.9	651.4	699.0	732.2	735.7	711.7
55°	793.8	794.7	781.4	739.4	689.7	671.6	698.4	754.3	793.8	794.4	768.6
57.5°	814.3	815.5	806.5	770.2	721.4	707.7	743.7	807.8	852.5	855.3	821.4
60°	823.0	825.2	822.4	791.9	749.7	741.0	784.5	855.6	905.4	906.3	865.6
62.5°	818.3	820.5	826.1	804.4	770.2	769.9	823.9	897.3	946.7	947.9	899.2
65°	797.2	800.6	814.6	804.4	777.6	787.9	850.0	929.3	973.7	975.3	912.2
67°	768.9	773.3	793.8	793.5	777.6	795.0	862.8	942.7	981.2	979.3	905.4
67.5°	762.4	766.7	787.3	790.4	775.5	796.0	864.3	944.2	978.4	978.1	901.0
70°	707.1	714.8	744.7	759.6	759.3	788.5	863.7	935.8	959.4	956.3	864.7
72.5°	643.4	653.0	689.4	718.0	727.3	765.2	841.0	902.6	910.3	906.6	796.6
75°	577.8	583.1	621.0	661.7	685.3	725.7	798.5	849.7	838.9	829.8	711.4
77.5°	508.5	510.6	552.9	598.6	627.2	673.8	735.0	772.3	745.6	738.2	614.5
80°	428.0	437.0	479.3	526.8	562.2	604.5	656.1	678.5	633.7	626.9	511.3
82.5°	362.1	367.7	406.2	452.8	492.6	532.4	566.0	571.9	524.9	520.0	410.9
85°	295.6	300.5	340.9	384.2	421.4	454.7	477.1	468.4	419.6	414.3	324.8
87.5°	244.6	248.3	276.3	320.1	353.1	377.0	388.8	377.9	331.3	323.9	250.8
90°	193.9	199.5	224.7	261.7	295.3	310.8	312.0	294.0	255.8	250.2	192.1
92.5°	156.6	160.4	184.3	215.1	241.5	253.3	250.2	235.0	199.8	193.3	148.6
95°	126.8	129.9	149.8	176.8	198.3	209.2	200.5	180.3	152.6	150.1	114.7
97.5°	105.4	106.0	121.5	145.8	162.9	168.5	161.6	143.3	119.3	114.4	88.0
100°	86.1	86.7	99.8	118.1	133.6	137.4	130.5	112.8	92.6	89.5	69.0
102.5°	69.9	71.5	81.4	97.9	109.4	112.2	105.1	89.5	71.5	69.3	53.8
105°	59.4	59.7	68.4	80.8	91.1	93.2	86.1	72.7	56.3	55.0	42.9
107.5°	50.3	50.3	57.2	68.1	76.1	77.4	71.8	59.4	44.4	43.2	34.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	43.2	43.5	48.5	57.2	64.6	65.6	60.0	47.6	35.4	34.5	28.3
112.5°	37.6	38.2	41.6	48.5	55.0	55.9	50.3	38.9	28.9	27.7	23.6
115°	33.3	33.6	36.1	41.6	46.9	47.6	42.0	32.0	23.3	22.4	19.9
117.5°	29.5	29.8	31.7	36.4	40.4	40.7	35.1	26.4	19.6	18.6	17.4
120°	26.7	26.7	28.3	31.4	34.8	34.8	29.5	21.8	16.2	15.9	14.9
122.5°	24.2	24.2	25.2	27.4	29.8	29.2	24.6	18.0	13.7	13.4	13.1
125°	22.1	22.1	22.7	23.9	25.5	24.6	20.2	14.9	11.8	11.5	11.5
127.5°	19.9	19.9	20.2	21.1	21.4	20.5	16.8	12.4	10.3	9.9	10.3
130°	18.0	18.0	18.0	18.0	18.0	17.4	13.7	10.3	8.7	8.7	9.0
132.5°	16.2	16.2	15.9	15.5	15.2	14.0	11.2	8.4	7.8	7.8	8.1
135°	14.3	14.3	14.0	13.4	12.4	10.9	8.4	6.8	6.5	6.5	6.8
137.5°	12.4	12.4	12.1	11.2	9.9	8.4	6.5	5.6	5.6	5.6	5.9
140°	10.6	10.6	10.3	9.3	7.8	6.2	5.0	4.4	4.7	4.7	5.0
142.5°	9.0	8.7	8.4	7.5	5.9	4.4	3.4	3.4	3.7	3.7	4.0
145°	7.1	6.8	6.5	5.6	4.4	3.1	2.5	2.5	2.8	2.8	3.1
147.5°	5.6	5.3	5.0	4.0	3.1	2.2	1.6	1.9	2.2	2.2	2.2
150°	3.7	3.7	3.7	3.1	1.9	1.2	0.9	1.2	1.2	1.2	1.6
152.5°	2.5	2.5	2.5	1.9	1.2	0.6	0.6	0.6	0.9	0.9	0.9
155°	1.6	1.6	1.6	1.2	0.6	0.3	0.3	0.3	0.6	0.6	0.6
157.5°	0.6	0.6	0.6	0.6	0.6	0.3	0.0	0.3	0.3	0.3	0.3
160°	0.3	0.3	0.6	0.6	0.6	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°	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
2.5°	89.8	89.2	88.0	87.0	86.1	85.2	84.2	83.6	82.7	82.7	82.7
5°	92.9	91.4	88.9	87.0	84.8	83.3	81.4	80.2	79.3	78.9	78.9
7.5°	98.2	96.0	92.3	88.6	85.5	83.0	80.8	79.3	78.0	77.7	77.7
10°	105.7	102.9	97.0	92.6	88.6	85.2	82.4	80.2	79.3	78.6	78.6
12.5°	116.6	112.8	106.0	98.5	93.2	88.9	85.5	84.5	84.5	84.8	84.5
15°	129.6	125.9	116.6	107.8	100.1	95.1	93.2	93.2	92.9	93.6	93.6
17.5°	146.1	140.8	129.6	118.1	109.1	104.4	102.6	101.9	102.6	103.5	102.9
20°	165.7	157.9	143.9	129.6	120.0	115.3	112.2	111.6	112.5	113.1	113.4
22.5°	186.2	177.8	160.1	141.7	131.8	125.6	122.1	121.2	122.8	124.3	124.6
25°	209.5	200.2	177.5	156.3	142.3	134.0	130.8	130.5	133.0	135.2	135.2
27.5°	237.8	225.3	196.4	172.2	154.2	143.0	139.6	139.9	143.3	145.1	145.8
30°	267.3	253.3	218.2	186.8	163.5	150.1	146.4	147.9	151.4	155.1	155.7
32.5°	300.5	284.1	239.3	201.4	171.9	155.7	151.7	154.8	158.5	162.9	163.5
35°	335.4	313.3	261.1	214.8	178.7	160.1	155.4	159.1	163.8	167.8	169.1
37.5°	374.8	348.7	284.7	225.6	184.0	162.5	157.6	161.9	167.2	171.3	171.6
40°	415.2	385.1	307.1	235.9	187.7	164.1	158.8	163.2	168.1	171.6	171.9
42.5°	457.5	422.1	327.9	244.3	189.6	164.1	158.2	162.5	167.2	169.1	169.4
45°	506.9	461.2	349.3	250.2	190.2	163.5	157.3	160.7	164.1	164.7	165.7
47.5°	556.6	500.1	367.7	254.5	189.9	161.9	155.7	158.5	160.7	160.1	161.0
50°	609.2	542.3	385.4	257.3	188.3	160.4	153.5	156.0	156.6	154.8	154.8
52.5°	659.5	579.0	399.1	257.7	186.2	158.5	152.0	153.8	153.5	150.1	150.4
55°	709.9	618.2	410.6	254.9	183.1	156.6	150.4	151.7	150.7	146.7	146.1
57.5°	753.1	649.9	415.5	250.8	179.6	154.8	149.5	150.7	148.9	144.2	143.9
60°	789.7	674.4	415.9	245.2	175.6	153.2	148.6	150.1	148.6	143.0	142.3
62.5°	812.4	685.6	407.8	236.5	171.6	151.4	148.6	149.8	147.9	142.3	142.0
65°	816.2	680.0	394.7	226.6	166.9	149.5	147.9	149.5	147.6	141.7	141.1
67°	801.6	663.9	377.0	217.3	162.9	147.9	146.7	148.9	146.7	141.1	140.2
67.5°	796.6	656.4	373.0	216.0	161.9	147.3	146.4	148.3	146.4	140.8	139.9
70°	753.1	615.7	342.5	202.3	156.0	144.2	144.2	145.8	143.9	138.6	137.1
72.5°	685.9	558.5	312.0	189.3	149.5	139.6	140.5	142.0	140.2	135.2	133.3
75°	608.2	494.2	278.2	174.0	142.0	134.9	135.5	137.1	135.2	129.9	128.4
77.5°	521.8	419.9	244.0	160.1	134.3	128.7	129.0	129.9	128.4	123.1	121.5
80°	429.2	346.2	209.2	144.2	125.3	120.9	121.2	121.2	119.0	114.7	113.4
82.5°	345.9	281.3	178.4	130.2	115.3	112.2	112.2	111.9	109.1	105.4	103.5
85°	269.2	226.9	149.5	115.9	105.4	102.6	102.3	101.0	98.2	94.2	92.0
87.5°	211.0	179.6	125.9	102.3	95.4	93.6	91.7	88.9	86.7	83.3	81.4
90°	164.7	142.7	106.3	89.8	85.8	83.3	81.4	78.0	74.6	71.2	70.2
92.5°	129.0	112.8	88.6	78.3	75.8	74.0	71.5	67.8	64.6	60.6	60.9
95°	102.3	91.7	75.5	69.0	67.1	65.6	62.5	58.4	55.0	51.3	50.7
97.5°	80.2	73.0	63.4	60.0	59.4	57.5	54.4	50.3	46.6	42.6	42.6
100°	63.7	59.7	53.5	52.8	51.6	50.3	47.2	43.5	38.9	35.4	35.4
102.5°	51.3	47.9	45.7	45.7	45.4	44.1	41.0	37.3	32.6	29.2	29.2
105°	41.0	39.8	38.9	39.8	40.1	38.9	35.7	31.7	27.0	23.9	24.6
107.5°	34.2	33.3	33.3	34.5	35.1	33.9	31.1	26.7	22.4	20.2	20.2



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CATALOG NUMBER: LXF.LXT-PA1-30-827-U-T4W-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	28.3	28.0	28.6	30.1	30.5	29.5	26.7	22.7	18.6	16.8	17.1
112.5°	23.9	23.6	24.9	26.4	26.7	25.8	23.0	19.3	15.5	14.3	14.3
115°	20.2	20.5	21.4	22.7	23.3	22.4	19.9	16.5	12.7	12.1	12.1
117.5°	17.4	17.7	18.6	20.2	20.5	19.3	16.8	13.7	10.9	10.6	10.6
120°	15.2	15.5	16.5	17.4	17.7	16.5	14.3	11.5	9.3	9.0	9.0
122.5°	13.4	14.0	14.6	15.2	15.5	14.3	12.4	9.6	7.8	7.8	8.1
125°	11.8	12.1	12.7	13.4	13.4	12.1	10.3	8.1	6.8	6.8	6.8
127.5°	10.6	10.6	10.9	11.5	11.5	10.6	8.7	6.5	5.9	5.9	6.2
130°	9.3	9.6	9.6	9.6	9.6	8.7	7.1	5.6	5.0	5.3	5.3
132.5°	8.1	8.4	8.4	8.4	8.1	7.1	5.9	4.7	4.4	4.7	4.7
135°	7.1	7.1	7.1	7.1	6.5	5.9	4.7	3.7	3.7	4.0	4.0
137.5°	6.2	6.2	6.2	5.9	5.3	4.7	3.7	3.1	3.1	3.4	3.4
140°	5.0	5.3	5.0	4.7	4.0	3.4	2.8	2.5	2.8	2.8	2.8
142.5°	4.0	4.0	4.0	3.7	3.1	2.5	2.2	1.9	2.2	2.2	2.5
145°	3.1	3.1	3.1	2.8	2.2	1.6	1.6	1.6	1.9	1.9	1.9
147.5°	2.2	2.2	2.2	1.9	1.2	0.9	0.9	0.9	1.2	1.2	1.2
150°	1.6	1.6	1.6	1.2	0.6	0.3	0.3	0.6	0.9	0.9	0.9
152.5°	0.9	0.9	0.9	0.6	0.3	0.0	0.3	0.6	0.6	0.3	0.3
155°	0.6	0.6	0.6	0.6	0.3	0.0	0.3	0.3	0.3	0.0	0.0
157.5°	0.6	0.6	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)