

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: P414570

Luminaire Tested: **LXF.LXT-PA1-30-727-U-T2R-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414570
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-5)
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-T2R-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2914 lumens
Efficiency: N/A
Efficacy: 94.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B1 - U3 - G2

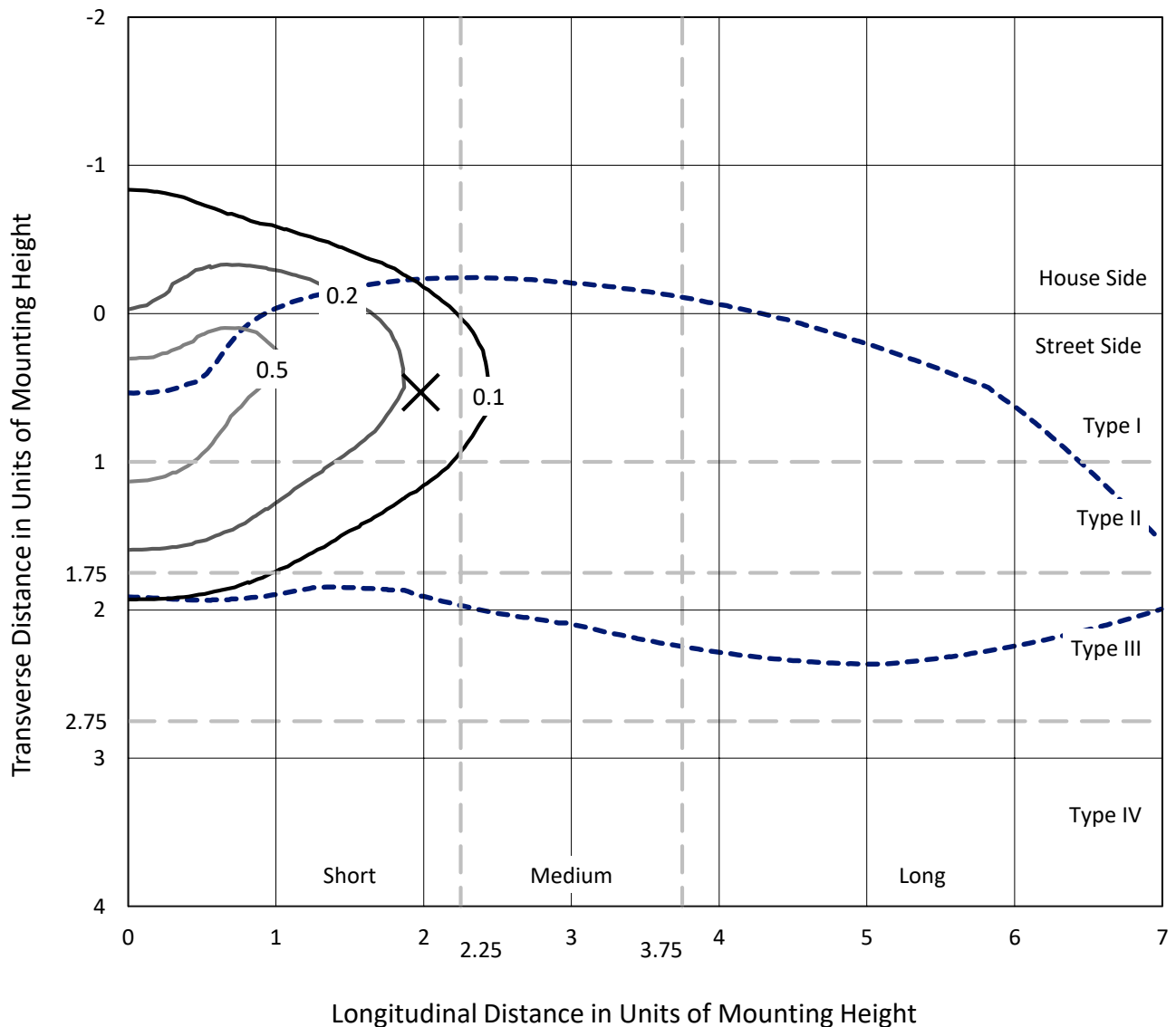
Input Watts (W): 31
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

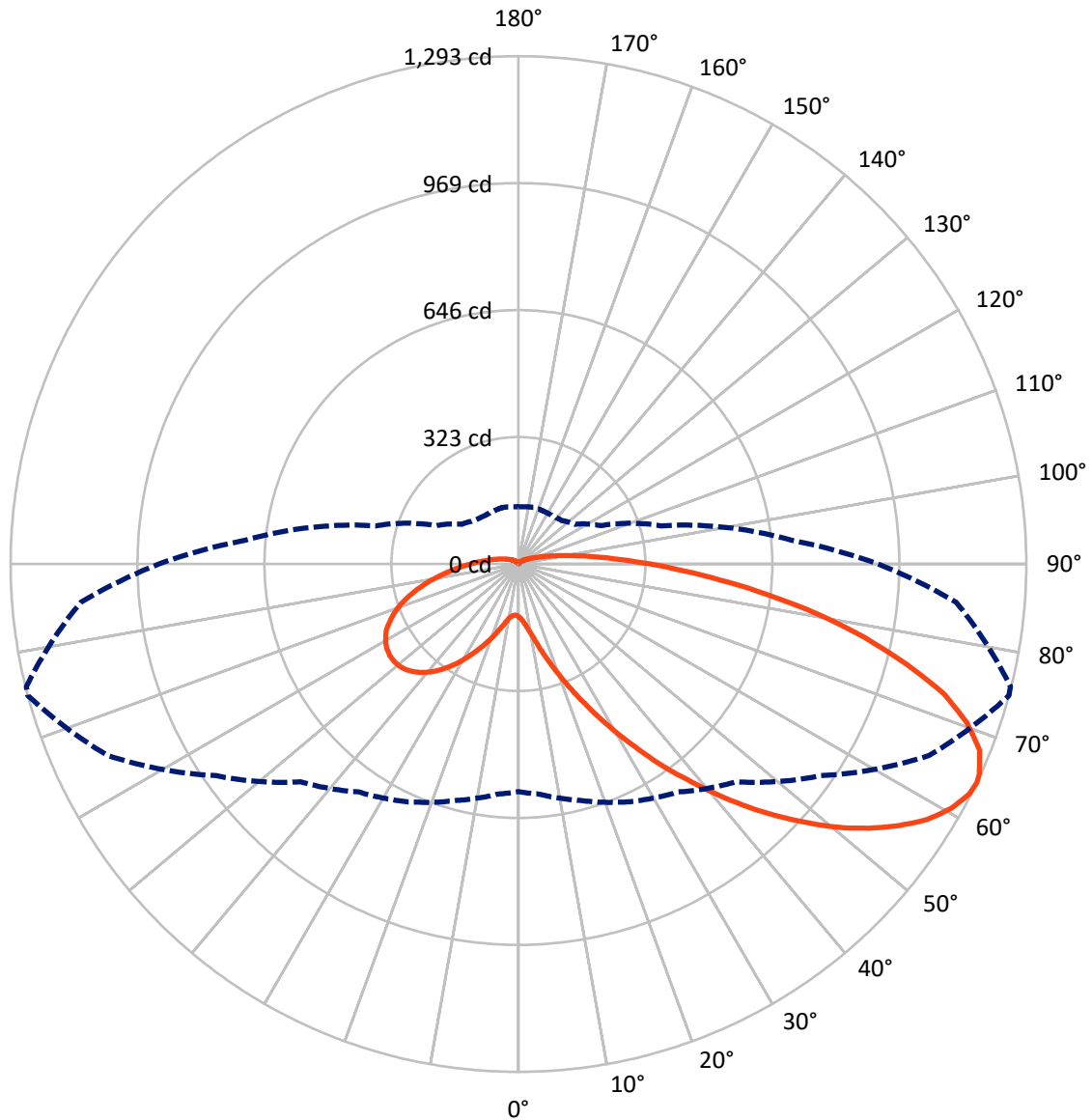


Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	642.7	84.6	727.4
	% Fixture	22.1	2.9	25.0
Street Side	Lumens	2057.9	128.8	2186.6
	% Fixture	70.6	4.4	75.0
Total	Lumens	2700.6	213.4	2914.0
	% Fixture	92.7	7.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.1	0.5
10°-20°	58.8	2.0
20°-30°	148.8	5.1
30°-40°	291.4	10.0
40°-50°	453.3	15.6
50°-60°	555.9	19.1
60°-70°	540.5	18.5
70°-80°	407.6	14.0
80°-90°	230.1	7.9
90°-100°	108.6	3.7
100°-110°	52.4	1.8
110°-120°	27.5	0.9
120°-130°	14.8	0.5
130°-140°	7.2	0.2
140°-150°	2.5	0.1
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2700.6	92.7
0°-180°	2914.0	100.0



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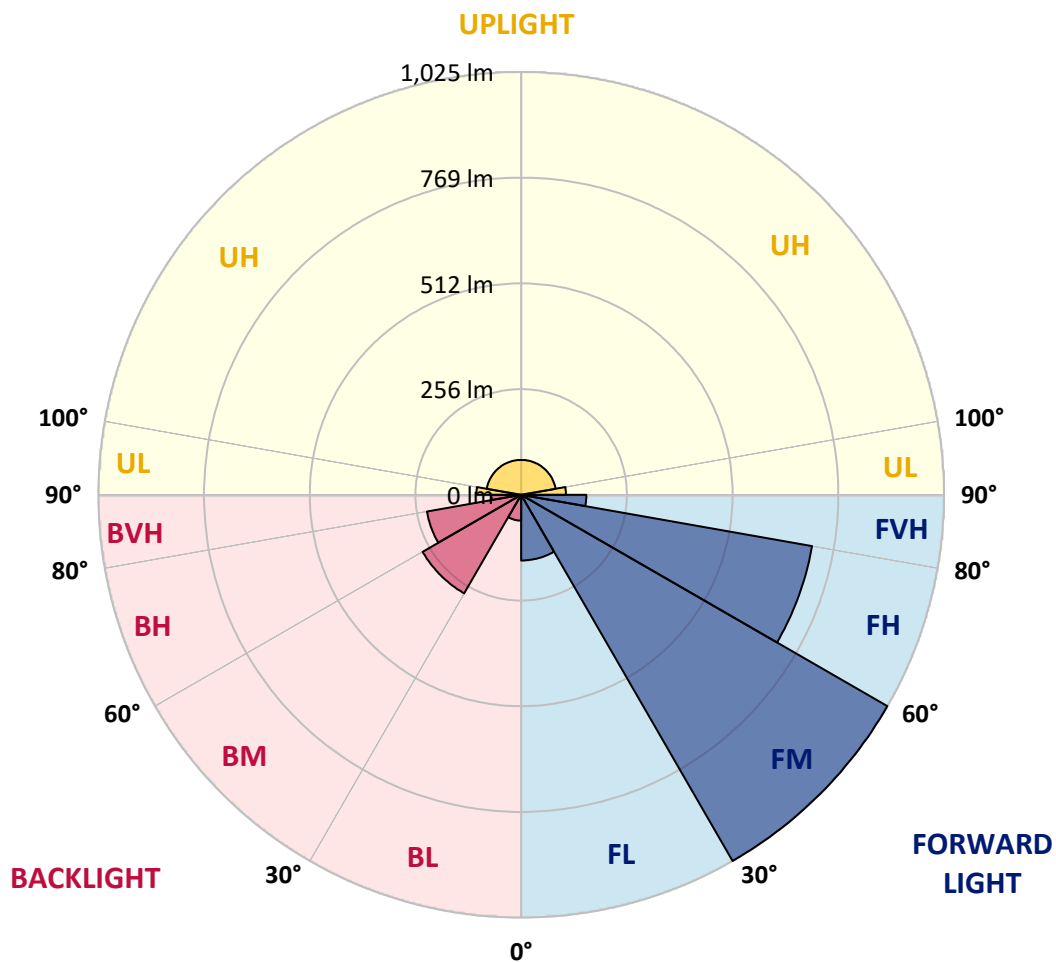
CATALOG NUMBER: LXF.LXT-PA1-30-727-U-T2R-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	159.2	5.5			
FM	(30°-60°)	1024.9	35.2			
FH	(60°-80°)	716.0	24.6			G1/1800
FVH	(80°-90°)	157.8	5.4			G2/225
BL	(0°-30°)	62.5	2.1	B0/110		
BM	(30°-60°)	275.8	9.5	B1/1000		
BH	(60°-80°)	232.1	8.0	B1/500		G1/500
BVH	(80°-90°)	72.3	2.5			G1/100
UL	(90°-100°)	108.6	3.7		U3/500	
UH	(100°-180°)	84.6	2.9		U3/500	

BUG Rating: B1-U3-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	134.4	134.4	134.4	134.4	134.4	134.4	134.4	134.4	134.4	134.4	134.4
2.5°	156.6	155.2	154.5	154.2	151.7	149.2	146.4	143.5	140.4	139.7	136.8
5°	181.0	179.3	178.5	176.4	172.9	168.6	162.6	157.0	149.9	150.3	143.9
7.5°	209.0	207.5	205.4	202.2	196.9	191.3	182.4	174.0	164.4	163.3	154.2
10°	240.8	239.7	237.6	232.6	225.9	216.4	207.5	194.8	181.4	180.7	167.2
12.5°	279.0	277.5	271.5	266.6	257.7	248.9	235.5	220.3	205.8	204.0	187.4
15°	322.1	320.0	315.7	308.0	298.4	283.9	269.8	254.6	235.5	232.3	212.8
17.5°	366.3	366.3	361.0	351.8	338.7	326.0	310.4	291.3	267.3	266.9	241.1
20°	421.8	421.1	413.0	399.5	386.4	373.0	354.3	332.7	305.8	303.4	271.9
22.5°	481.9	481.2	471.3	456.8	439.8	420.7	399.9	377.3	347.9	344.7	308.0
25°	547.0	546.6	536.4	514.1	492.5	474.5	452.9	427.8	393.9	393.2	349.0
27.5°	626.2	622.3	606.4	579.1	551.9	528.6	503.5	480.8	446.9	441.6	392.5
30°	702.5	700.4	678.8	649.5	612.0	581.3	555.8	538.5	503.5	498.5	443.4
32.5°	781.4	780.0	753.8	719.9	673.5	635.4	615.6	596.8	563.2	561.1	493.6
35°	868.7	863.0	833.0	786.3	732.6	689.8	672.1	663.6	630.4	622.6	548.7
37.5°	940.1	935.9	908.7	851.7	788.4	742.5	729.0	723.4	694.7	691.6	608.5
40°	1009.1	1005.9	972.6	911.1	839.0	793.0	779.6	789.2	766.2	761.2	668.6
42.5°	1058.9	1054.7	1023.9	958.5	882.8	834.4	834.1	856.0	839.4	834.1	730.8
45°	1088.6	1084.4	1058.9	996.0	917.1	870.5	878.6	917.1	912.2	905.8	787.7
47.5°	1091.4	1089.0	1070.6	1012.2	938.0	898.8	922.1	977.2	982.5	976.5	848.5
50°	1065.6	1068.1	1056.4	1010.1	945.4	917.1	957.4	1034.2	1053.6	1046.5	909.0
52.5°	1016.8	1014.0	1019.0	986.1	937.6	923.5	981.5	1081.9	1117.6	1110.5	964.9
55°	935.5	937.6	955.0	942.6	913.3	916.1	996.0	1119.7	1175.6	1169.9	1015.4
57.5°	850.0	845.0	876.1	878.2	870.1	896.3	997.8	1148.4	1226.9	1220.8	1058.9
60°	737.9	749.9	777.8	801.9	816.0	863.4	986.1	1163.2	1264.3	1262.6	1093.9
62.5°	641.0	643.5	681.3	717.7	751.7	817.1	960.3	1162.9	1288.7	1286.6	1114.8
64°	579.5	587.6	623.3	667.5	708.2	783.8	939.1	1153.0	1292.6	1290.9	1118.3
65°	545.9	544.8	587.6	632.2	676.0	758.7	917.5	1142.4	1289.1	1289.1	1116.9
67.5°	453.6	457.2	494.6	545.9	600.0	692.3	862.3	1104.5	1265.8	1268.2	1096.4
70°	374.1	379.4	420.4	466.0	525.7	625.5	794.1	1036.3	1210.9	1214.5	1052.2
72.5°	308.7	314.7	344.7	390.7	456.8	555.1	717.0	950.7	1133.5	1134.9	978.3
75°	251.0	257.7	288.2	328.1	385.4	479.4	632.9	857.7	1020.7	1027.8	882.8
77.5°	204.4	211.4	239.4	275.4	329.9	410.1	549.4	750.3	900.9	905.1	773.6
80°	165.1	172.5	197.3	231.2	278.6	349.3	471.3	640.3	771.5	771.5	661.2
82.5°	134.0	140.4	162.6	192.0	235.1	294.9	396.0	532.1	637.8	638.2	546.3
85°	108.2	112.1	134.0	159.8	195.5	247.1	327.4	433.1	514.4	507.0	440.2
87.5°	87.0	90.5	108.9	134.0	162.3	206.1	268.7	352.5	404.5	406.9	351.4
90°	70.0	72.1	89.1	110.3	136.5	170.4	218.5	280.4	318.2	315.0	275.4
92.5°	56.9	59.4	73.9	93.0	114.9	143.2	180.0	222.0	246.4	247.1	215.3
95°	46.7	48.1	61.5	78.5	98.3	119.9	146.7	176.8	193.4	191.3	167.6
97.5°	38.9	39.6	52.0	67.2	83.4	101.1	122.3	140.7	149.9	148.5	131.2
100°	32.9	33.6	44.2	58.3	72.1	86.3	101.1	113.5	116.7	114.9	103.2
102.5°	28.6	29.0	37.8	50.6	62.2	73.9	84.1	91.9	91.6	91.6	81.7
105°	25.1	25.5	32.9	44.2	54.8	64.0	71.1	75.0	73.5	72.8	65.4
107.5°	22.6	23.0	29.0	38.9	48.4	55.5	60.8	61.9	59.0	58.3	53.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
110°	20.5	20.5	25.5	34.3	42.8	48.4	52.0	52.0	47.7	47.4	43.8
112.5°	18.7	19.1	23.0	30.4	37.8	42.8	44.9	43.1	39.2	38.9	37.1
115°	17.3	17.7	20.5	27.2	33.6	37.8	38.9	36.4	32.5	32.2	30.8
117.5°	16.3	16.6	18.7	24.0	30.1	33.2	33.6	31.1	27.2	26.9	26.5
120°	15.6	15.6	17.3	21.6	26.5	29.3	29.0	26.5	23.3	23.0	23.0
122.5°	14.8	14.8	15.9	19.1	23.3	25.8	25.5	22.6	19.8	19.8	19.8
125°	14.1	14.1	14.8	17.3	20.9	22.6	21.9	19.4	17.0	17.0	17.7
127.5°	13.4	13.4	13.8	15.2	18.4	19.4	18.7	16.3	14.8	14.8	15.2
130°	12.7	12.7	12.7	13.8	15.9	16.6	15.9	13.8	12.7	12.7	13.4
132.5°	12.0	12.0	12.0	12.0	13.4	14.1	13.1	11.3	11.0	11.3	11.7
135°	11.3	11.3	11.0	10.6	11.3	11.7	10.6	9.5	9.5	9.5	10.3
137.5°	10.6	10.3	9.9	9.5	9.2	9.2	8.5	7.4	8.1	8.1	8.8
140°	9.5	9.2	8.8	8.1	7.4	7.1	6.4	6.0	6.7	6.7	7.1
142.5°	8.5	8.1	7.8	6.7	5.7	4.9	4.2	4.6	5.3	5.3	5.7
145°	7.1	7.1	6.4	5.3	4.2	3.5	2.8	3.2	3.9	3.9	4.2
147.5°	6.0	5.7	5.3	4.2	2.8	2.1	1.4	2.1	2.8	2.8	3.2
150°	4.6	4.2	3.9	2.8	1.8	0.7	0.7	1.4	1.8	1.8	2.1
152.5°	3.2	3.2	2.8	1.8	0.7	0.0	0.4	0.7	1.1	1.1	1.4
155°	2.1	1.8	1.4	1.1	0.4	0.0	0.0	0.4	0.7	0.7	0.7
157.5°	1.1	1.1	0.7	0.7	0.0	0.0	0.0	0.0	0.4	0.4	0.4
160°	0.4	0.4	0.4	0.4	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	134.4	134.4	134.4	134.4	134.4	134.4	134.4	134.4	134.4	134.4	134.4
2.5°	135.1	133.6	130.5	127.6	124.8	122.3	120.9	119.2	118.8	118.4	118.4
5°	140.0	136.8	130.5	124.5	118.8	114.2	110.7	107.1	105.4	104.7	104.3
7.5°	148.5	143.5	133.3	124.1	115.6	108.5	102.9	98.6	96.2	94.8	94.4
10°	160.2	153.1	138.9	126.2	114.9	105.7	98.6	93.7	90.5	89.1	88.7
12.5°	178.5	167.2	149.6	131.5	116.7	105.4	97.2	91.9	90.5	89.1	89.1
15°	199.4	188.1	163.7	141.4	122.3	107.5	100.4	96.9	94.8	93.7	93.3
17.5°	226.3	209.0	179.6	152.0	129.4	115.3	106.1	102.2	100.1	99.0	98.6
20°	253.9	233.4	197.3	163.7	138.9	124.5	113.5	107.5	105.4	104.3	103.9
22.5°	286.7	262.0	215.7	176.1	149.9	132.9	120.6	113.5	111.0	110.0	110.3
25°	320.3	293.8	235.5	189.2	160.2	140.0	127.3	119.2	117.4	116.0	116.0
27.5°	361.3	326.0	255.6	204.0	169.0	146.4	133.3	125.2	122.0	122.0	121.6
30°	404.5	360.3	277.5	216.7	176.8	152.0	137.9	130.5	127.3	126.9	126.9
32.5°	446.5	397.0	299.1	229.5	182.8	155.9	142.1	135.1	131.2	130.8	131.2
35°	495.7	434.5	319.3	239.7	188.1	159.1	145.3	138.9	134.7	134.4	134.4
37.5°	542.4	473.1	338.7	247.8	191.6	161.2	147.8	142.1	137.5	137.2	136.8
40°	591.2	509.5	356.4	254.6	193.4	162.6	149.2	144.3	140.0	138.6	138.6
42.5°	640.7	546.3	371.2	258.5	194.5	163.0	150.3	145.7	141.8	139.3	139.3
45°	687.0	577.7	383.6	260.6	194.5	163.3	151.0	146.7	143.2	140.0	139.7
47.5°	737.9	609.5	393.2	260.9	193.4	162.6	151.3	147.8	143.9	140.4	140.0
50°	782.4	639.6	399.2	259.9	192.0	162.3	151.7	148.1	145.0	140.7	140.7
52.5°	821.7	663.6	402.0	257.0	190.2	161.6	151.7	148.8	146.0	141.4	141.1
55°	856.3	682.4	401.6	252.8	187.4	160.5	151.3	148.8	146.7	141.8	141.8
57.5°	886.0	695.5	398.5	247.8	184.6	159.8	151.3	149.2	147.4	142.8	142.8
60°	906.2	702.9	392.1	241.8	181.7	158.4	151.0	149.6	148.5	143.9	144.3
62.5°	915.7	701.8	382.2	235.5	178.5	157.0	150.3	149.2	148.8	145.3	145.3
64°	915.0	696.9	375.5	230.9	176.4	156.3	149.9	148.8	149.2	146.0	146.0
65°	910.4	689.8	368.4	227.3	174.7	155.6	149.2	148.5	149.2	146.0	146.0
67.5°	888.1	667.9	350.4	218.5	170.1	152.4	147.1	146.7	147.8	145.7	145.3
70°	844.0	633.2	330.9	207.2	164.4	148.8	143.9	143.5	145.0	143.2	142.5
72.5°	783.8	585.1	307.2	195.5	157.7	143.9	139.7	139.3	140.0	138.9	137.9
75°	708.2	528.6	280.7	182.4	150.3	137.5	133.6	132.9	134.0	132.6	131.9
77.5°	624.0	466.0	252.8	168.6	140.7	130.5	126.6	125.5	125.5	123.7	122.0
80°	531.4	402.0	224.9	154.5	130.8	121.6	118.4	117.0	116.0	113.1	111.4
82.5°	443.7	341.9	196.2	140.0	120.2	112.1	108.9	107.1	104.7	101.1	98.6
85°	361.0	284.6	170.1	124.5	109.6	101.8	99.4	96.2	93.0	89.1	85.9
87.5°	289.9	233.0	146.7	110.7	97.6	91.6	88.7	84.5	81.3	77.1	74.2
90°	230.2	190.9	125.5	97.2	87.0	81.7	79.2	75.0	70.4	65.8	63.3
92.5°	185.6	155.6	108.2	85.9	77.8	73.2	70.0	65.8	60.5	55.9	54.1
95°	147.4	125.9	92.3	76.0	68.9	64.7	61.5	57.6	52.0	46.7	45.3
97.5°	116.7	103.6	78.8	66.8	61.2	57.6	54.1	50.6	44.9	39.6	38.9
100°	93.7	84.1	67.5	59.0	54.1	50.9	48.1	44.2	38.9	33.2	33.2
102.5°	75.7	69.7	58.0	52.0	48.1	45.3	42.4	38.9	33.6	28.6	28.3
105°	61.9	57.6	49.9	46.0	42.8	40.7	37.8	33.9	29.0	24.4	24.0
107.5°	51.6	47.7	43.1	40.7	38.2	36.1	33.9	30.1	25.1	21.2	21.2



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CATALOG NUMBER: LXF.LXT-PA1-30-727-U-T2R-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	42.4	41.0	37.5	35.7	34.3	32.2	30.1	26.2	21.6	18.7	18.7
112.5°	36.1	34.6	32.9	31.8	30.4	29.0	26.5	23.0	18.7	16.6	16.6
115°	30.4	29.7	28.6	27.9	27.2	25.8	23.3	19.8	15.9	14.5	14.8
117.5°	26.5	26.2	25.5	25.1	24.4	22.6	20.5	17.3	13.8	13.1	13.1
120°	23.0	23.0	22.3	22.3	21.6	20.2	17.7	14.8	12.0	11.7	11.7
122.5°	20.2	20.2	19.8	19.8	19.1	17.7	15.6	12.7	10.3	10.3	10.6
125°	17.7	17.7	17.3	17.3	17.0	15.6	13.4	11.0	9.2	9.2	9.2
127.5°	15.6	15.6	15.6	15.2	14.5	13.4	11.3	9.2	8.1	8.1	8.1
130°	13.8	13.8	13.4	13.4	12.7	11.3	9.5	7.8	6.7	7.4	7.4
132.5°	12.0	12.0	12.0	11.3	10.6	9.5	7.8	6.4	6.0	6.4	6.4
135°	10.3	10.6	10.3	9.9	9.2	7.8	6.4	5.3	5.3	5.7	5.7
137.5°	8.8	8.8	8.8	8.1	7.4	6.4	4.9	4.2	4.6	4.9	4.9
140°	7.4	7.4	7.1	6.7	6.0	4.9	3.9	3.2	3.9	4.2	4.2
142.5°	6.0	6.0	5.7	5.3	4.2	3.5	2.5	2.5	3.2	3.5	3.5
145°	4.6	4.6	4.2	3.9	3.2	2.1	1.8	2.1	2.8	2.8	2.8
147.5°	3.2	3.2	3.2	2.5	1.8	1.1	0.7	1.4	2.1	2.1	2.5
150°	2.1	2.1	2.1	1.8	1.1	0.4	0.4	1.1	1.4	1.8	1.8
152.5°	1.4	1.4	1.4	1.1	0.7	0.0	0.0	0.7	1.1	1.1	1.1
155°	0.7	0.7	0.7	0.7	0.4	0.0	0.0	0.4	0.7	0.7	0.7
157.5°	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.4	0.7	0.4	0.4
160°	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4	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)