

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: P414726

Luminaire Tested: **LXF.LXT-PA1-30-750-U-T2R-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414726
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-PA1-30-750-U-T2R-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 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: 3485 lumens
Efficiency: N/A
Efficacy: 112.4 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 (A_{in}): 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

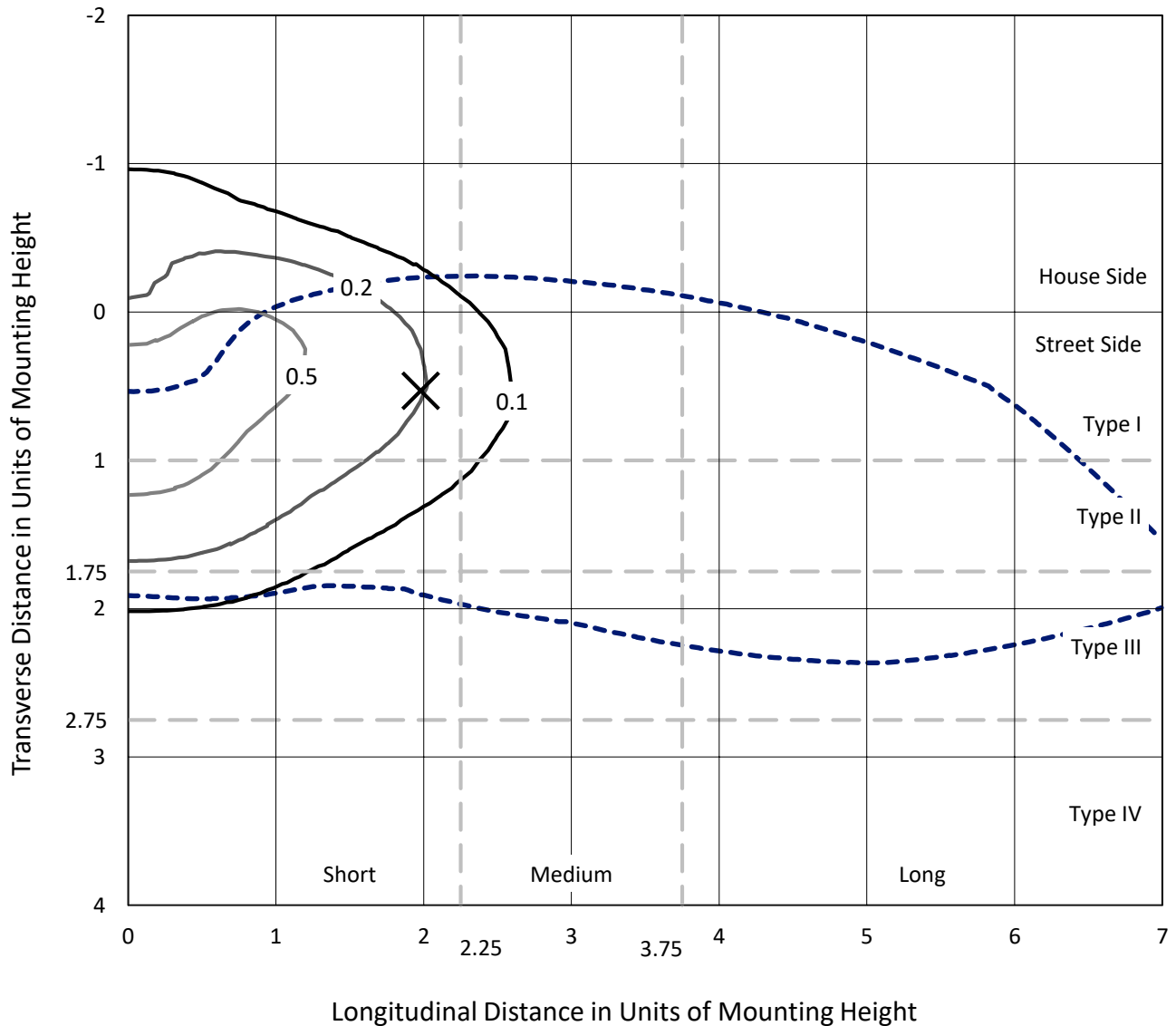


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

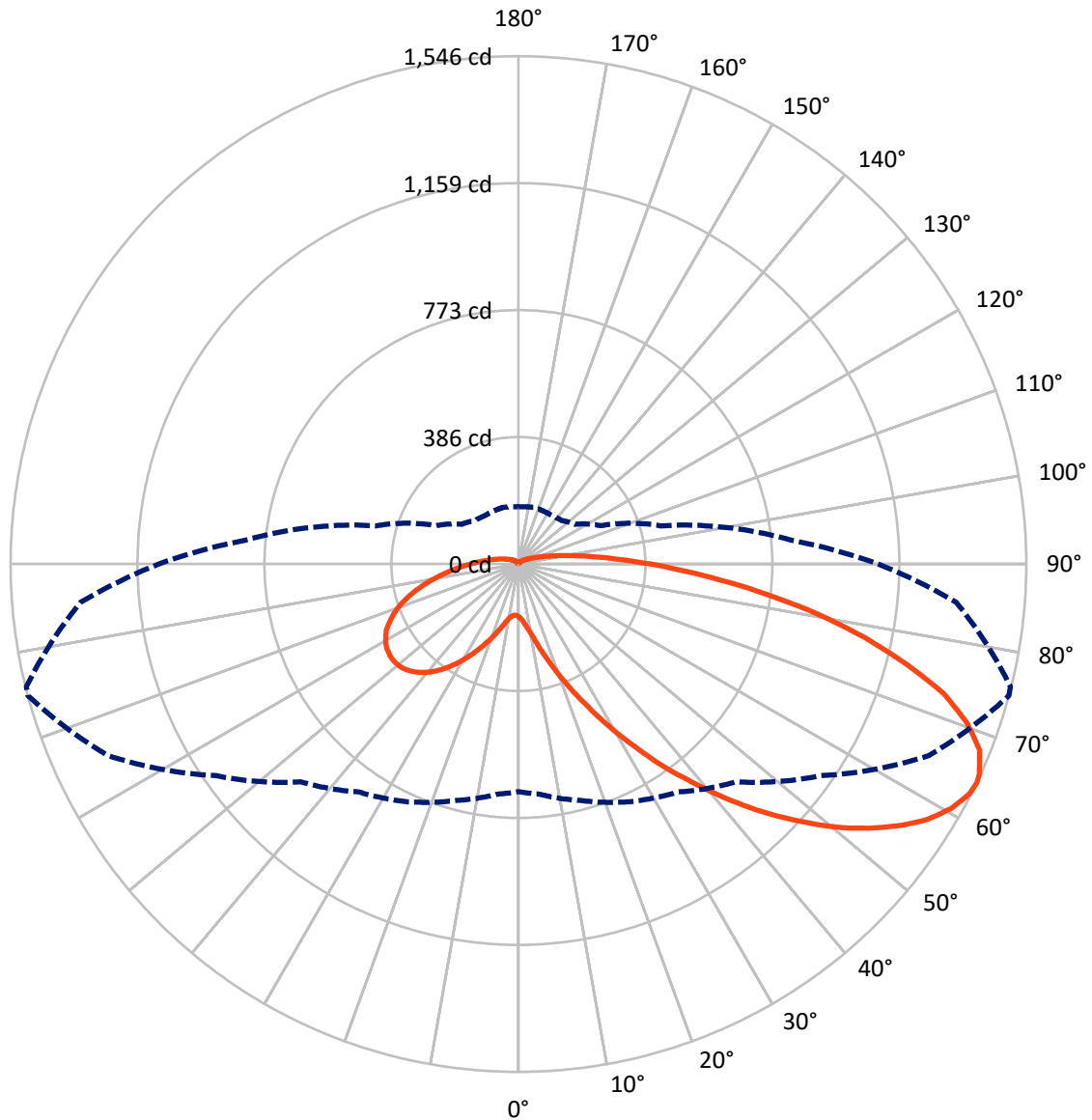


Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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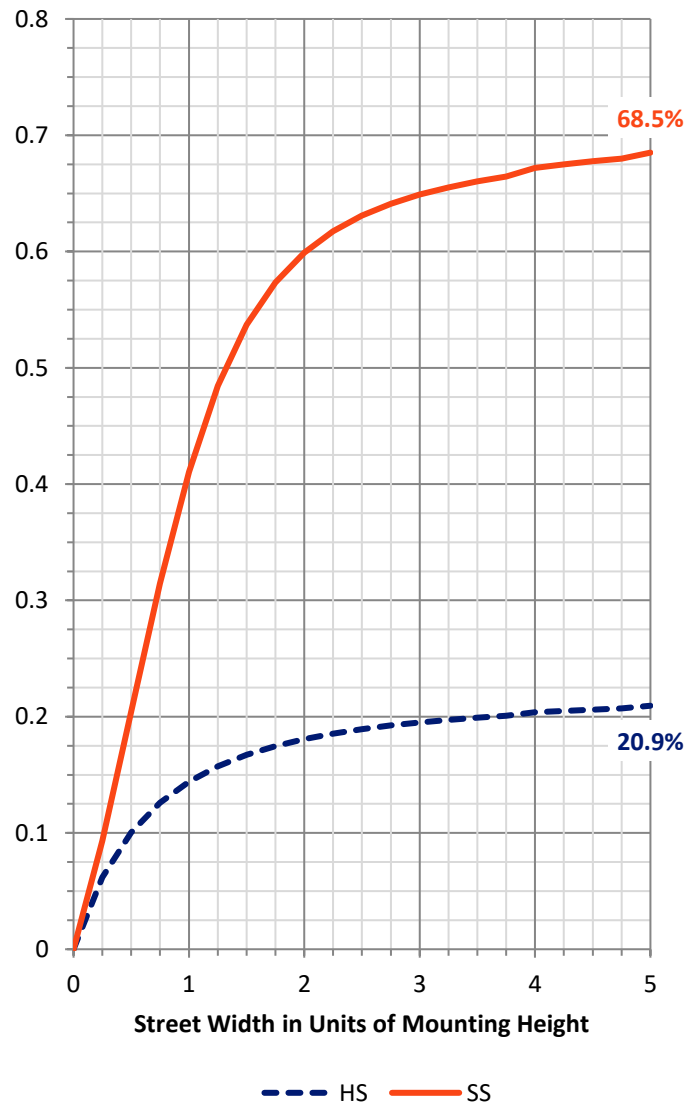
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	768.6	101.2	869.9
	% Fixture	22.1	2.9	25.0
Street Side	Lumens	2461.1	154.0	2615.1
	% Fixture	70.6	4.4	75.0
Total	Lumens	3229.8	255.2	3485.0
	% Fixture	92.7	7.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.9	0.5
10°-20°	70.3	2.0
20°-30°	177.9	5.1
30°-40°	348.5	10.0
40°-50°	542.2	15.6
50°-60°	664.9	19.1
60°-70°	646.4	18.5
70°-80°	487.4	14.0
80°-90°	275.2	7.9
90°-100°	129.8	3.7
100°-110°	62.7	1.8
110°-120°	32.9	0.9
120°-130°	17.7	0.5
130°-140°	8.7	0.2
140°-150°	3.0	0.1
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3229.8	92.7
0°-180°	3485.0	100.0



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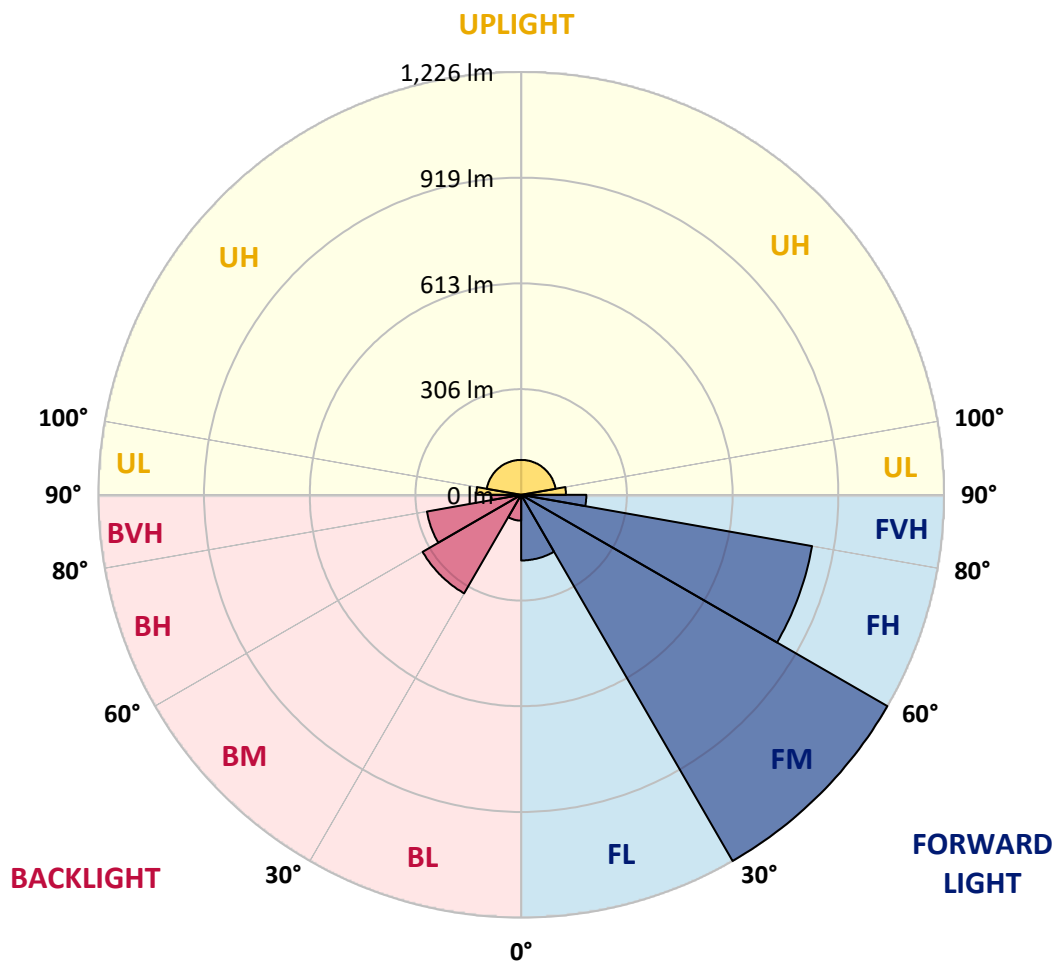
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	190.4	5.5			
FM	(30°-60°)	1225.7	35.2			
FH	(60°-80°)	856.3	24.6			G1/1800
FVH	(80°-90°)	188.8	5.4			G2/225
BL	(0°-30°)	74.8	2.1	B0/110		
BM	(30°-60°)	329.9	9.5	B1/1000		
BH	(60°-80°)	277.5	8.0	B1/500		G1/500
BVH	(80°-90°)	86.5	2.5			G1/100
UL	(90°-100°)	129.8	3.7		U3/500	
UH	(100°-180°)	101.2	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°	160.7	160.7	160.7	160.7	160.7	160.7	160.7	160.7	160.7	160.7	160.7
2.5°	187.3	185.6	184.8	184.4	181.4	178.4	175.1	171.7	167.9	167.0	163.6
5°	216.5	214.4	213.5	211.0	206.8	201.7	194.5	187.7	179.3	179.7	172.1
7.5°	249.9	248.2	245.7	241.9	235.5	228.8	218.2	208.0	196.6	195.4	184.4
10°	288.0	286.7	284.2	278.2	270.2	258.8	248.2	233.0	216.9	216.1	200.0
12.5°	333.6	331.9	324.7	318.8	308.3	297.7	281.6	263.4	246.1	244.0	224.1
15°	385.2	382.7	377.6	368.3	356.9	339.5	322.6	304.4	281.6	277.8	254.6
17.5°	438.1	438.1	431.7	420.7	405.1	389.9	371.3	348.4	319.7	319.2	288.4
20°	504.5	503.6	493.9	477.8	462.2	446.1	423.7	397.9	365.8	362.8	325.2
22.5°	576.3	575.5	563.6	546.3	526.0	503.2	478.2	451.2	416.1	412.3	368.3
25°	654.1	653.7	641.5	614.8	589.0	567.5	541.7	511.6	471.0	470.2	417.3
27.5°	748.9	744.2	725.2	692.6	660.1	632.1	602.1	575.1	534.5	528.1	469.4
30°	840.2	837.7	811.9	776.8	731.9	695.2	664.7	644.0	602.1	596.2	530.2
32.5°	934.5	932.8	901.5	860.9	805.5	759.8	736.2	713.8	673.6	671.1	590.3
35°	1038.9	1032.2	996.2	940.4	876.1	825.0	803.8	793.7	753.9	744.6	656.3
37.5°	1124.3	1119.3	1086.7	1018.6	942.9	888.0	871.9	865.1	830.9	827.1	727.7
40°	1206.8	1203.0	1163.2	1089.7	1003.4	948.4	932.4	943.8	916.3	910.4	799.6
42.5°	1266.4	1261.3	1224.6	1146.3	1055.8	997.9	997.5	1023.7	1003.8	997.5	874.0
45°	1301.9	1296.9	1266.4	1191.1	1096.9	1041.0	1050.8	1096.9	1090.9	1083.3	942.1
47.5°	1305.3	1302.4	1280.4	1210.6	1121.8	1074.9	1102.8	1168.7	1175.1	1167.9	1014.8
50°	1274.4	1277.4	1263.5	1208.1	1130.7	1096.9	1145.1	1236.8	1260.1	1251.6	1087.1
52.5°	1216.1	1212.7	1218.6	1179.3	1121.4	1104.5	1173.8	1293.9	1336.6	1328.1	1153.9
55°	1118.8	1121.4	1142.1	1127.3	1092.2	1095.6	1191.1	1339.1	1406.0	1399.2	1214.4
57.5°	1016.5	1010.6	1047.8	1050.3	1040.6	1071.9	1193.3	1373.4	1467.3	1460.1	1266.4
60°	882.5	896.8	930.3	959.0	975.9	1032.6	1179.3	1391.2	1512.1	1510.0	1308.3
62.5°	766.6	769.6	814.8	858.4	899.0	977.2	1148.4	1390.7	1541.3	1538.7	1333.2
64°	693.0	702.8	745.5	798.3	847.0	937.4	1123.1	1378.9	1545.9	1543.8	1337.5
65°	652.9	651.6	702.8	756.0	808.5	907.4	1097.3	1366.2	1541.7	1541.7	1335.8
67.5°	542.5	546.7	591.6	652.9	717.6	827.9	1031.3	1321.0	1513.8	1516.7	1311.2
70°	447.4	453.7	502.8	557.3	628.8	748.0	949.7	1239.4	1448.2	1452.5	1258.4
72.5°	369.1	376.3	412.3	467.2	546.3	663.9	857.5	1137.0	1355.6	1357.3	1170.0
75°	300.2	308.3	344.6	392.4	460.9	573.4	756.9	1025.8	1220.7	1229.2	1055.8
77.5°	244.4	252.9	286.3	329.4	394.5	490.5	657.1	897.3	1077.4	1082.5	925.2
80°	197.5	206.3	235.9	276.5	333.2	417.8	563.6	765.8	922.6	922.6	790.7
82.5°	160.3	167.9	194.5	229.6	281.2	352.7	473.6	636.4	762.8	763.2	653.3
85°	129.4	134.0	160.3	191.1	233.8	295.6	391.6	518.0	615.2	606.4	526.4
87.5°	104.0	108.2	130.2	160.3	194.1	246.5	321.4	421.6	483.7	486.7	420.3
90°	83.7	86.3	106.6	131.9	163.2	203.8	261.3	335.3	380.6	376.8	329.4
92.5°	68.1	71.0	88.4	111.2	137.4	171.3	215.2	265.5	294.7	295.6	257.5
95°	55.8	57.5	73.6	93.9	117.6	143.3	175.5	211.4	231.3	228.8	200.4
97.5°	46.5	47.4	62.2	80.3	99.8	120.9	146.3	168.3	179.3	177.6	156.9
100°	39.3	40.2	52.9	69.8	86.3	103.2	120.9	135.7	139.5	137.4	123.5
102.5°	34.3	34.7	45.2	60.5	74.4	88.4	100.6	109.9	109.5	109.5	97.7
105°	30.0	30.4	39.3	52.9	65.5	76.5	85.0	89.6	88.0	87.1	78.2
107.5°	27.1	27.5	34.7	46.5	57.9	66.4	72.7	74.0	70.6	69.8	63.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
110°	24.5	24.5	30.4	41.0	51.2	57.9	62.2	62.2	57.1	56.7	52.4
112.5°	22.4	22.8	27.5	36.4	45.2	51.2	53.7	51.6	46.9	46.5	44.4
115°	20.7	21.1	24.5	32.6	40.2	45.2	46.5	43.6	38.9	38.5	36.8
117.5°	19.5	19.9	22.4	28.8	35.9	39.7	40.2	37.2	32.6	32.1	31.7
120°	18.6	18.6	20.7	25.8	31.7	35.1	34.7	31.7	27.9	27.5	27.5
122.5°	17.8	17.8	19.0	22.8	27.9	30.9	30.4	27.1	23.7	23.7	23.7
125°	16.9	16.9	17.8	20.7	24.9	27.1	26.2	23.3	20.3	20.3	21.1
127.5°	16.1	16.1	16.5	18.2	22.0	23.3	22.4	19.5	17.8	17.8	18.2
130°	15.2	15.2	15.2	16.5	19.0	19.9	19.0	16.5	15.2	15.2	16.1
132.5°	14.4	14.4	14.4	14.4	16.1	16.9	15.6	13.5	13.1	13.5	14.0
135°	13.5	13.5	13.1	12.7	13.5	14.0	12.7	11.4	11.4	11.4	12.3
137.5°	12.7	12.3	11.8	11.4	11.0	11.0	10.1	8.9	9.7	9.7	10.6
140°	11.4	11.0	10.6	9.7	8.9	8.5	7.6	7.2	8.0	8.0	8.5
142.5°	10.1	9.7	9.3	8.0	6.8	5.9	5.1	5.5	6.3	6.3	6.8
145°	8.5	8.5	7.6	6.3	5.1	4.2	3.4	3.8	4.7	4.7	5.1
147.5°	7.2	6.8	6.3	5.1	3.4	2.5	1.7	2.5	3.4	3.4	3.8
150°	5.5	5.1	4.7	3.4	2.1	0.8	0.8	1.7	2.1	2.1	2.5
152.5°	3.8	3.8	3.4	2.1	0.8	0.0	0.4	0.8	1.3	1.3	1.7
155°	2.5	2.1	1.7	1.3	0.4	0.0	0.0	0.4	0.8	0.8	0.8
157.5°	1.3	1.3	0.8	0.8	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°	160.7	160.7	160.7	160.7	160.7	160.7	160.7	160.7	160.7	160.7	160.7
2.5°	161.5	159.8	156.0	152.6	149.3	146.3	144.6	142.5	142.1	141.7	141.7
5°	167.4	163.6	156.0	148.8	142.1	136.6	132.3	128.1	126.0	125.2	124.7
7.5°	177.6	171.7	159.4	148.4	138.3	129.8	123.0	118.0	115.0	113.3	112.9
10°	191.5	183.1	166.2	151.0	137.4	126.4	118.0	112.1	108.2	106.6	106.1
12.5°	213.5	200.0	178.9	157.3	139.5	126.0	116.3	109.9	108.2	106.6	106.6
15°	238.5	225.0	195.8	169.1	146.3	128.5	120.1	115.9	113.3	112.1	111.6
17.5°	270.6	249.9	214.8	181.8	154.8	137.8	126.9	122.2	119.7	118.4	118.0
20°	303.6	279.1	235.9	195.8	166.2	148.8	135.7	128.5	126.0	124.7	124.3
22.5°	342.9	313.3	257.9	210.6	179.3	159.0	144.2	135.7	132.8	131.5	131.9
25°	383.1	351.4	281.6	226.2	191.5	167.4	152.2	142.5	140.4	138.7	138.7
27.5°	432.1	389.9	305.7	244.0	202.1	175.1	159.4	149.7	145.9	145.9	145.5
30°	483.7	430.9	331.9	259.2	211.4	181.8	164.9	156.0	152.2	151.8	151.8
32.5°	534.1	474.9	357.7	274.4	218.6	186.5	170.0	161.5	156.9	156.5	156.9
35°	592.8	519.7	381.8	286.7	225.0	190.3	173.8	166.2	161.1	160.7	160.7
37.5°	648.6	565.8	405.1	296.4	229.2	192.8	176.7	170.0	164.5	164.1	163.6
40°	707.0	609.3	426.2	304.4	231.3	194.5	178.4	172.5	167.4	165.8	165.8
42.5°	766.2	653.3	444.0	309.1	232.6	194.9	179.7	174.2	169.6	166.6	166.6
45°	821.6	690.9	458.8	311.6	232.6	195.4	180.6	175.5	171.3	167.4	167.0
47.5°	882.5	729.0	470.2	312.1	231.3	194.5	181.0	176.7	172.1	167.9	167.4
50°	935.8	764.9	477.4	310.8	229.6	194.1	181.4	177.2	173.4	168.3	168.3
52.5°	982.7	793.7	480.8	307.4	227.5	193.2	181.4	178.0	174.6	169.1	168.7
55°	1024.1	816.1	480.3	302.3	224.1	192.0	181.0	178.0	175.5	169.6	169.6
57.5°	1059.6	831.7	476.5	296.4	220.7	191.1	181.0	178.4	176.3	170.8	170.8
60°	1083.7	840.6	468.9	289.2	217.3	189.4	180.6	178.9	177.6	172.1	172.5
62.5°	1095.2	839.3	457.1	281.6	213.5	187.7	179.7	178.4	178.0	173.8	173.8
64°	1094.3	833.4	449.1	276.1	211.0	186.9	179.3	178.0	178.4	174.6	174.6
65°	1088.8	825.0	440.6	271.9	208.9	186.1	178.4	177.6	178.4	174.6	174.6
67.5°	1062.2	798.7	419.0	261.3	203.4	182.2	175.9	175.5	176.7	174.2	173.8
70°	1009.3	757.3	395.8	247.8	196.6	178.0	172.1	171.7	173.4	171.3	170.4
72.5°	937.4	699.8	367.5	233.8	188.6	172.1	167.0	166.6	167.4	166.2	164.9
75°	847.0	632.1	335.7	218.2	179.7	164.5	159.8	159.0	160.3	158.6	157.7
77.5°	746.3	557.3	302.3	201.7	168.3	156.0	151.4	150.1	150.1	148.0	145.9
80°	635.5	480.8	268.9	184.8	156.5	145.5	141.7	140.0	138.7	135.3	133.2
82.5°	530.7	408.9	234.7	167.4	143.8	134.0	130.2	128.1	125.2	120.9	118.0
85°	431.7	340.4	203.4	148.8	131.1	121.8	118.8	115.0	111.2	106.6	102.8
87.5°	346.7	278.7	175.5	132.3	116.7	109.5	106.1	101.1	97.3	92.2	88.8
90°	275.3	228.3	150.1	116.3	104.0	97.7	94.7	89.6	84.1	78.6	75.7
92.5°	222.0	186.1	129.4	102.8	93.0	87.5	83.7	78.6	72.3	66.8	64.7
95°	176.3	150.5	110.4	90.9	82.5	77.4	73.6	68.9	62.2	55.8	54.1
97.5°	139.5	123.9	94.3	79.9	73.2	68.9	64.7	60.5	53.7	47.4	46.5
100°	112.1	100.6	80.8	70.6	64.7	60.9	57.5	52.9	46.5	39.7	39.7
102.5°	90.5	83.3	69.3	62.2	57.5	54.1	50.7	46.5	40.2	34.3	33.8
105°	74.0	68.9	59.6	55.0	51.2	48.6	45.2	40.6	34.7	29.2	28.8
107.5°	61.7	57.1	51.6	48.6	45.7	43.1	40.6	35.9	30.0	25.4	25.4



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CATALOG NUMBER: LXF.LXT-PA1-30-750-U-T2R-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	50.7	49.0	44.8	42.7	41.0	38.5	35.9	31.3	25.8	22.4	22.4
112.5°	43.1	41.4	39.3	38.1	36.4	34.7	31.7	27.5	22.4	19.9	19.9
115°	36.4	35.5	34.3	33.4	32.6	30.9	27.9	23.7	19.0	17.3	17.8
117.5°	31.7	31.3	30.4	30.0	29.2	27.1	24.5	20.7	16.5	15.6	15.6
120°	27.5	27.5	26.6	26.6	25.8	24.1	21.1	17.8	14.4	14.0	14.0
122.5°	24.1	24.1	23.7	23.7	22.8	21.1	18.6	15.2	12.3	12.3	12.7
125°	21.1	21.1	20.7	20.7	20.3	18.6	16.1	13.1	11.0	11.0	11.0
127.5°	18.6	18.6	18.6	18.2	17.3	16.1	13.5	11.0	9.7	9.7	9.7
130°	16.5	16.5	16.1	16.1	15.2	13.5	11.4	9.3	8.0	8.9	8.9
132.5°	14.4	14.4	14.4	13.5	12.7	11.4	9.3	7.6	7.2	7.6	7.6
135°	12.3	12.7	12.3	11.8	11.0	9.3	7.6	6.3	6.3	6.8	6.8
137.5°	10.6	10.6	10.6	9.7	8.9	7.6	5.9	5.1	5.5	5.9	5.9
140°	8.9	8.9	8.5	8.0	7.2	5.9	4.7	3.8	4.7	5.1	5.1
142.5°	7.2	7.2	6.8	6.3	5.1	4.2	3.0	3.0	3.8	4.2	4.2
145°	5.5	5.5	5.1	4.7	3.8	2.5	2.1	2.5	3.4	3.4	3.4
147.5°	3.8	3.8	3.8	3.0	2.1	1.3	0.8	1.7	2.5	2.5	3.0
150°	2.5	2.5	2.5	2.1	1.3	0.4	0.4	1.3	1.7	2.1	2.1
152.5°	1.7	1.7	1.7	1.3	0.8	0.0	0.0	0.8	1.3	1.3	1.3
155°	0.8	0.8	0.8	0.8	0.4	0.0	0.0	0.4	0.8	0.8	0.8
157.5°	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.4	0.8	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)