

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: P414683

Luminaire Tested: **LXF.LXT-PA1-30-740-U-T2U-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414683
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-20)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-30-740-U-T2U-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3584 lumens
Efficiency: N/A
Efficacy: 115.6 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

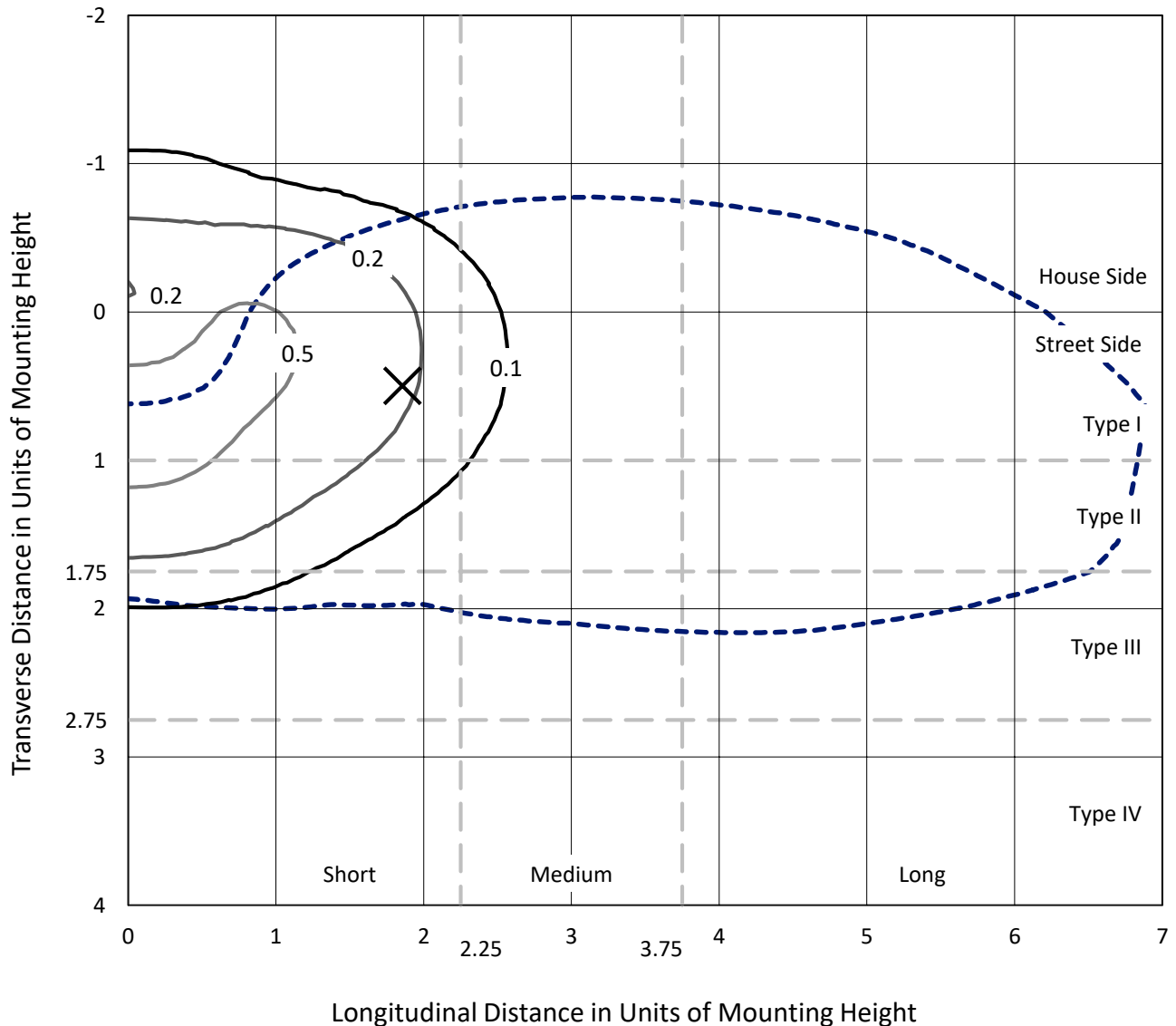
Input Watts (W): 31
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P414683
 CATALOG NUMBER: LXF.LXT-PA1-30-740-U-T2U-FL

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

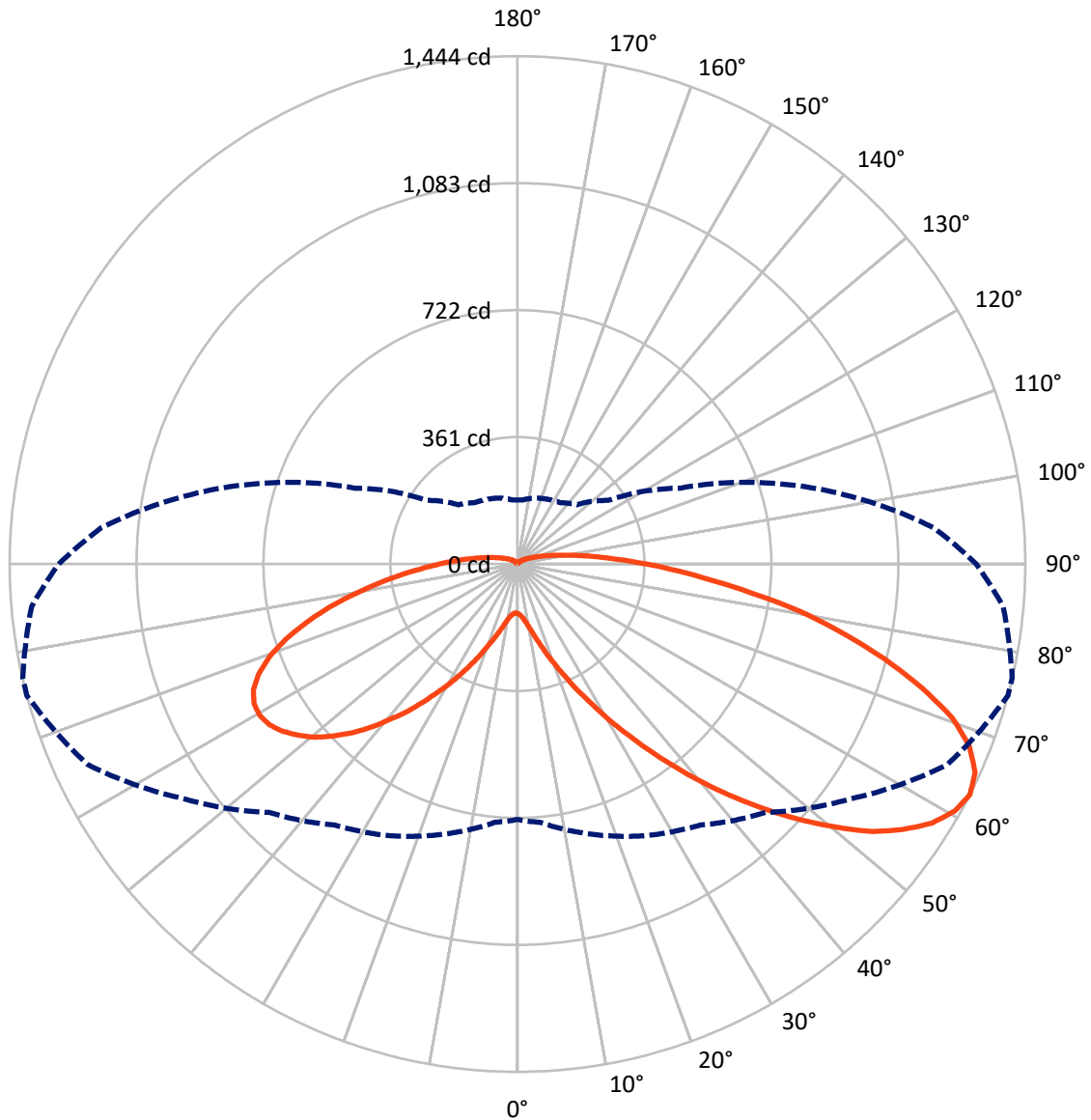


Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type III - Short - Non-Cutoff

REPORT NUMBER: P414683

CATALOG NUMBER: LXF.LXT-PA1-30-740-U-T2U-FL

Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

REPORT NUMBER: P414683

CATALOG NUMBER: LXF.LXT-PA1-30-740-U-T2U-FL

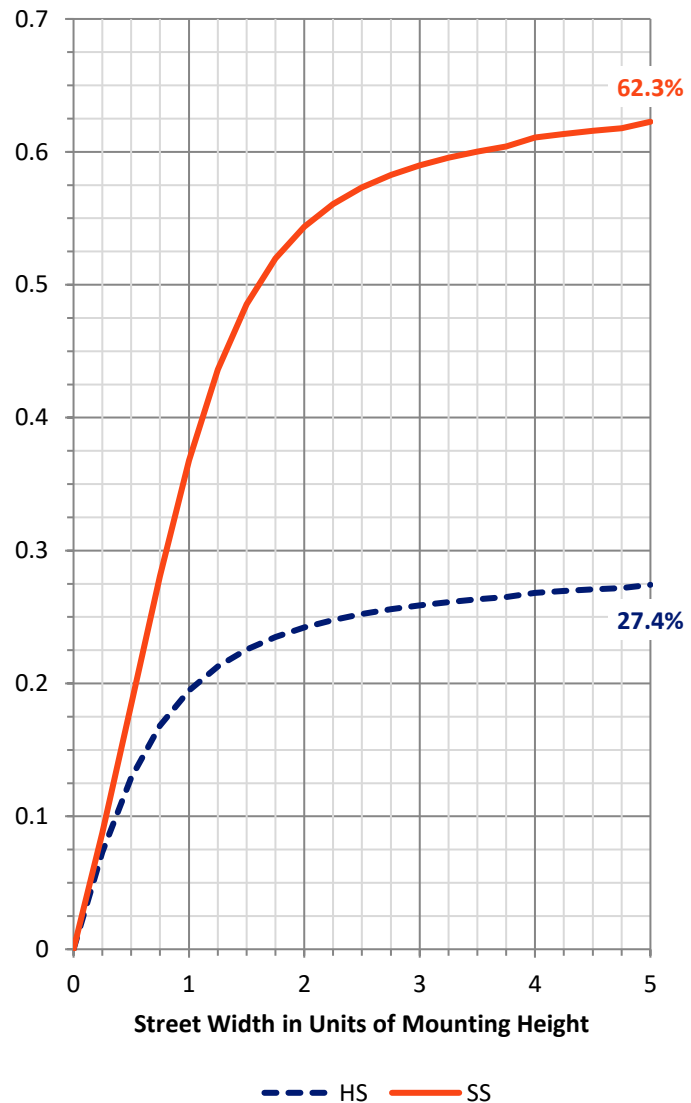
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1024.9	109.0	1133.9
	% Fixture	28.6	3.0	31.6
Street Side	Lumens	2300.4	149.6	2450.1
	% Fixture	64.2	4.2	68.4
Total	Lumens	3325.4	258.6	3584.0
	% Fixture	92.8	7.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.8	0.4
10°-20°	62.4	1.7
20°-30°	161.4	4.5
30°-40°	330.2	9.2
40°-50°	547.7	15.3
50°-60°	710.5	19.8
60°-70°	699.7	19.5
70°-80°	514.2	14.3
80°-90°	284.6	7.9
90°-100°	134.4	3.7
100°-110°	64.2	1.8
110°-120°	32.8	0.9
120°-130°	17.0	0.5
130°-140°	7.8	0.2
140°-150°	2.3	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3325.4	92.8
0°-180°	3584.0	100.0



REPORT NUMBER: P414683

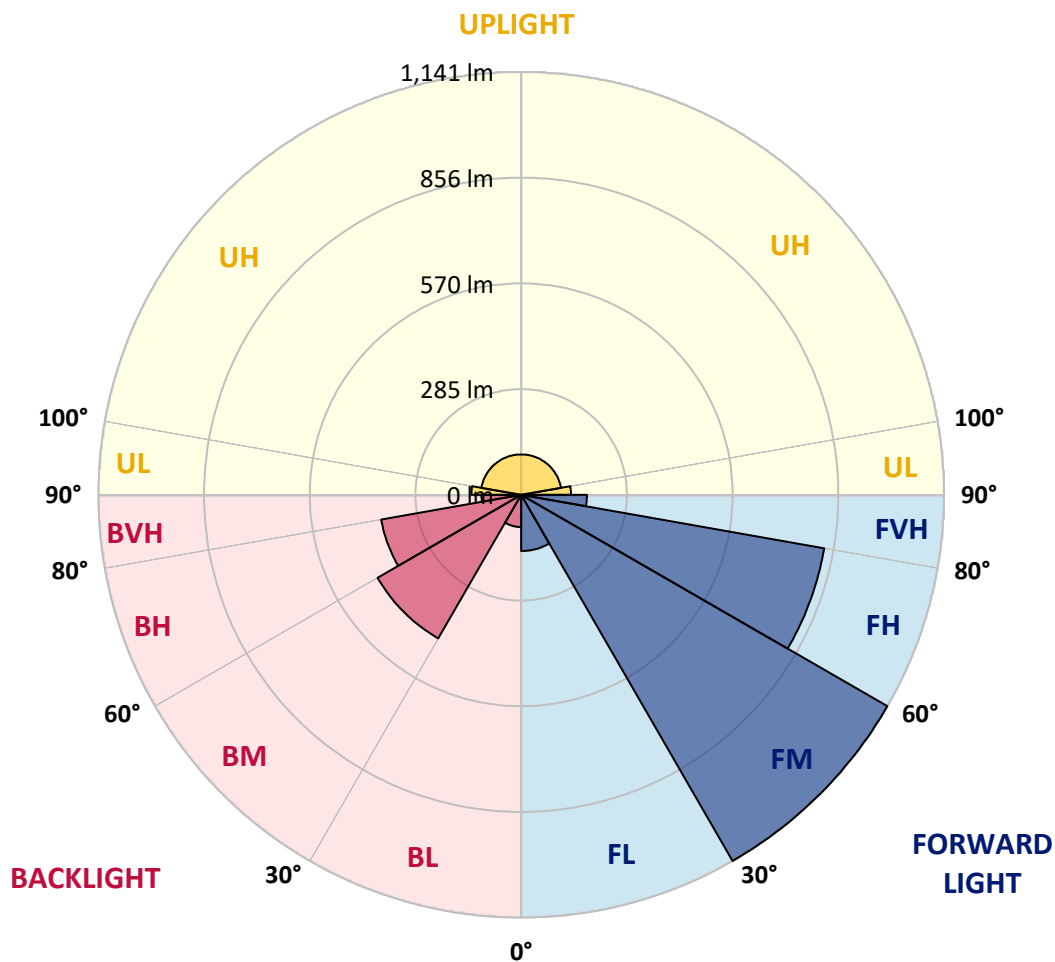
CATALOG NUMBER: LXF.LXT-PA1-30-740-U-T2U-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	151.6	4.2			
FM	(30°-60°)	1141.0	31.8			
FH	(60°-80°)	830.5	23.2			G1/1800
FVH	(80°-90°)	177.4	4.9			G2/225
BL	(0°-30°)	87.0	2.4	B0/110		
BM	(30°-60°)	447.4	12.5	B1/1000		
BH	(60°-80°)	383.4	10.7	B1/500		G1/500
BVH	(80°-90°)	107.2	3.0			G2/225
UL	(90°-100°)	134.4	3.7		U3/500	
UH	(100°-180°)	109.0	3.0		U3/500	

BUG Rating: B1-U3-G2

Type III Short





REPORT NUMBER: P414683

CATALOG NUMBER: LXF.LXT-PA1-30-740-U-T2U-FL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	140.8	140.8	140.8	140.8	140.8	140.8	140.8	140.8	140.8	140.8	140.8
2.5°	156.9	155.6	154.8	153.5	152.6	150.9	149.3	146.7	144.6	144.2	142.5
5°	173.4	171.2	171.2	169.1	166.2	164.1	160.7	156.4	153.1	150.9	149.3
7.5°	194.5	192.8	190.7	189.0	186.0	182.2	177.6	172.1	165.3	164.1	159.8
10°	218.2	217.3	215.6	212.3	208.5	203.4	197.0	190.3	182.7	181.4	174.2
12.5°	249.5	249.5	246.9	242.3	236.8	227.5	222.0	214.8	205.9	204.6	194.5
15°	287.9	286.3	282.9	274.8	268.5	260.9	254.1	244.8	233.0	230.9	221.6
17.5°	330.2	326.8	325.2	317.5	309.1	299.8	290.5	280.3	267.2	263.8	252.8
20°	377.6	379.7	373.4	364.9	352.2	342.9	332.3	319.2	304.9	302.3	289.2
22.5°	437.2	435.5	426.6	414.8	402.5	392.4	378.9	365.7	346.3	343.8	328.5
25°	503.2	501.5	490.1	475.3	461.3	443.1	427.5	413.5	397.5	393.6	375.5
27.5°	567.9	576.3	559.0	540.8	524.3	504.0	485.4	467.6	449.5	446.5	427.5
30°	656.2	658.3	638.0	613.1	590.7	565.3	545.9	529.8	514.2	504.4	487.1
32.5°	748.4	741.6	725.6	695.1	659.6	631.3	609.7	594.9	580.1	575.0	549.7
35°	839.7	839.7	814.8	773.8	727.3	698.5	677.4	668.5	655.0	646.9	618.6
37.5°	929.4	928.1	902.7	854.5	806.7	767.4	753.9	743.7	734.4	726.4	691.7
40°	1017.7	1015.6	985.2	938.2	882.4	841.8	830.9	832.5	821.5	810.6	775.9
42.5°	1088.8	1087.9	1063.8	1016.9	950.1	914.1	903.2	913.3	908.2	897.7	857.1
45°	1145.4	1141.6	1122.6	1074.8	1014.4	976.3	979.3	1003.8	997.9	992.8	942.5
47.5°	1169.1	1168.7	1158.1	1116.7	1060.9	1034.2	1051.1	1085.4	1087.5	1083.3	1027.0
50°	1162.8	1164.5	1163.6	1138.2	1092.6	1079.0	1111.6	1170.0	1176.7	1172.5	1114.6
52.5°	1125.6	1126.4	1140.4	1129.4	1103.6	1107.4	1165.3	1240.1	1263.8	1252.4	1191.9
55°	1046.9	1057.5	1085.0	1091.3	1087.9	1113.7	1197.4	1296.0	1331.9	1328.1	1259.2
57.5°	965.7	960.7	1000.0	1030.4	1048.2	1096.8	1208.0	1335.7	1389.8	1384.8	1319.2
60°	847.3	855.0	903.2	946.7	984.3	1056.2	1198.3	1356.8	1427.5	1424.5	1363.2
62.5°	726.4	737.4	794.5	852.4	906.1	998.7	1161.9	1348.8	1443.9	1443.5	1386.4
65°	612.7	624.5	676.9	747.1	815.6	920.9	1098.5	1314.6	1430.0	1430.8	1382.2
67.5°	511.6	518.0	572.9	650.3	717.1	829.6	1016.9	1246.9	1386.0	1390.7	1348.4
70°	421.6	426.2	479.5	548.4	625.8	727.7	918.0	1160.2	1312.4	1314.1	1287.5
72.5°	345.9	350.1	401.3	462.6	534.0	638.5	816.1	1041.8	1201.7	1218.6	1193.6
75°	276.5	285.0	329.0	388.6	452.4	545.4	708.2	914.6	1077.4	1091.7	1087.9
77.5°	225.4	236.8	271.9	323.0	381.8	462.6	600.4	789.0	945.9	957.7	960.7
80°	181.8	190.3	225.4	270.6	320.5	390.7	501.9	666.4	813.5	814.8	813.5
82.5°	147.6	153.9	185.2	226.2	270.2	328.5	420.7	556.0	667.2	680.7	683.3
85°	120.1	124.7	151.8	188.6	225.8	275.3	347.1	454.1	542.1	556.0	551.4
87.5°	96.4	102.7	124.3	155.6	190.3	229.6	288.8	367.4	437.6	443.5	442.7
90°	79.1	81.2	102.7	129.4	160.7	190.7	235.9	296.0	348.4	359.0	351.8
92.5°	63.8	67.2	85.4	109.5	134.0	160.3	195.8	243.1	275.7	282.0	278.6
95°	53.7	55.4	71.9	91.8	112.9	136.6	161.5	194.1	218.2	220.3	221.1
97.5°	44.8	46.5	60.0	78.2	96.4	115.4	134.5	158.6	174.6	174.2	172.9
100°	38.5	39.3	51.6	68.1	84.1	98.1	112.9	127.7	137.4	140.4	135.7
102.5°	33.4	33.8	44.4	58.8	72.3	84.6	95.6	106.1	109.9	110.4	108.2
105°	29.6	30.0	38.9	50.7	63.0	72.3	80.8	87.1	88.8	88.8	86.3
107.5°	26.2	26.6	33.4	44.8	55.8	63.4	69.3	72.7	71.9	71.5	69.8
110°	24.1	24.1	29.6	39.7	48.6	55.4	60.0	60.5	58.3	58.3	56.7



REPORT NUMBER: P414683

CATALOG NUMBER: LXF.LXT-PA1-30-740-U-T2U-FL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	22.0	22.0	26.2	35.1	43.1	49.0	52.0	51.2	48.2	47.4	47.4
115°	20.3	20.3	23.3	30.9	38.5	43.1	45.2	43.1	39.7	39.3	38.9
117.5°	19.0	19.0	21.1	27.5	33.8	38.1	39.3	37.2	33.4	33.0	33.0
120°	17.8	17.8	19.4	24.1	30.0	33.4	34.2	31.7	27.9	27.9	28.3
122.5°	16.9	16.9	17.8	21.6	26.6	29.6	29.6	27.1	23.7	23.7	24.1
125°	16.1	16.1	16.5	19.0	23.3	25.8	25.4	22.4	20.3	20.3	20.7
127.5°	15.2	15.2	15.2	16.9	20.3	22.4	22.0	19.0	17.3	17.3	18.2
130°	14.4	14.4	14.0	14.8	17.3	19.0	18.2	16.1	14.8	14.8	15.6
132.5°	13.5	13.5	12.7	13.1	14.8	15.6	14.8	13.1	12.7	12.7	13.1
135°	12.7	12.3	11.8	11.4	12.3	12.7	11.8	10.6	10.6	10.6	11.4
137.5°	11.4	11.4	10.6	9.7	9.7	9.7	9.3	8.0	8.5	8.9	9.3
140°	10.6	10.6	9.7	8.5	7.6	7.6	6.8	6.3	6.8	7.2	7.6
142.5°	9.3	9.3	8.5	7.2	5.9	5.1	4.7	4.2	5.1	5.5	5.5
145°	8.0	8.0	7.2	5.5	4.2	3.0	2.5	3.0	3.4	3.8	4.2
147.5°	6.8	6.3	5.5	4.2	2.1	1.3	0.8	1.7	2.1	2.1	2.5
150°	5.1	5.1	4.2	3.0	1.3	0.0	0.4	0.8	1.3	1.3	1.7
152.5°	3.8	3.4	3.0	1.7	0.0	0.0	0.0	0.0	0.4	0.8	0.8
155°	2.1	2.1	1.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.3	1.3	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.4	0.4	0.0	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



REPORT NUMBER: P414683

CATALOG NUMBER: LXF.LXT-PA1-30-740-U-T2U-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	140.8	140.8	140.8	140.8	140.8	140.8	140.8	140.8	140.8	140.8	140.8
2.5°	141.6	140.4	138.7	137.4	136.1	134.5	133.6	132.3	132.3	132.3	133.2
5°	146.7	145.0	141.2	137.8	134.5	131.9	129.4	127.7	126.8	126.0	126.4
7.5°	156.0	153.9	148.0	142.1	137.4	132.8	129.4	126.4	125.2	124.7	124.7
10°	170.4	166.6	157.7	149.7	142.9	136.6	131.9	128.1	126.4	125.2	125.2
12.5°	189.8	184.4	173.8	162.8	152.6	144.2	137.4	134.5	133.2	132.3	132.8
15°	215.6	209.7	193.7	179.3	166.2	154.8	148.4	145.5	143.8	142.9	142.5
17.5°	245.7	237.2	217.8	199.2	182.7	170.0	161.9	157.3	154.3	152.6	153.1
20°	278.6	267.6	242.7	222.4	201.3	188.6	176.3	168.7	164.9	164.1	164.5
22.5°	315.9	304.4	275.7	246.1	224.1	205.1	190.3	180.5	175.9	175.5	175.5
25°	359.8	344.6	310.8	273.6	245.2	221.1	203.8	192.0	186.9	185.2	185.2
27.5°	409.7	389.4	347.6	304.9	266.0	235.5	215.2	201.7	196.2	194.9	194.9
30°	464.7	443.5	390.3	334.5	285.8	248.2	225.4	211.0	203.8	202.1	202.5
32.5°	525.1	497.7	430.4	366.2	303.2	258.3	232.1	217.8	209.7	207.6	207.6
35°	590.7	558.6	478.2	397.0	319.7	266.4	237.2	222.4	213.5	211.4	211.0
37.5°	664.3	624.1	527.7	425.4	332.8	271.5	240.6	225.4	215.6	212.7	212.3
40°	741.2	695.1	573.4	451.2	343.8	274.4	241.4	226.6	216.5	211.8	211.4
42.5°	813.1	762.4	625.4	474.8	350.5	275.7	241.0	226.2	215.6	209.3	208.9
45°	892.6	830.4	673.1	496.4	354.8	274.8	239.3	224.1	213.9	205.9	205.1
47.5°	975.9	904.4	717.1	512.0	356.4	272.3	237.2	222.4	211.0	202.1	201.3
50°	1051.1	967.8	758.1	524.3	355.6	268.5	233.8	219.9	208.5	198.3	197.5
52.5°	1124.7	1034.2	790.3	531.1	351.4	264.3	230.9	216.9	205.5	194.9	193.7
55°	1191.5	1086.7	819.0	534.0	345.9	258.8	226.6	214.4	203.0	191.5	190.3
57.5°	1243.1	1136.1	840.2	530.2	337.4	252.4	222.4	210.6	200.0	188.6	187.3
60°	1281.2	1168.7	849.9	523.0	327.7	245.2	217.3	206.8	197.0	186.0	184.8
62.5°	1304.0	1186.9	847.8	510.3	315.4	238.1	212.7	203.0	194.1	183.1	182.2
65°	1300.2	1179.7	831.7	490.1	302.3	228.7	205.5	197.9	189.8	179.7	178.4
67.5°	1269.3	1150.5	799.1	464.7	287.5	219.4	198.7	191.1	184.4	175.5	172.9
70°	1214.4	1096.8	752.2	433.0	270.6	208.9	190.7	183.5	177.6	169.1	166.6
72.5°	1121.8	1018.6	692.6	400.0	252.4	196.6	180.1	174.2	167.9	161.1	158.1
75°	1016.0	920.5	622.4	361.1	233.0	184.4	169.1	163.2	157.3	150.1	147.6
77.5°	901.0	809.3	549.7	326.8	213.1	170.4	156.9	151.8	145.9	138.3	135.3
80°	763.6	690.5	472.3	287.5	193.2	156.9	144.2	138.7	132.3	125.2	122.2
82.5°	639.7	575.0	400.8	252.0	173.4	142.9	131.9	123.9	118.0	110.8	105.7
85°	523.0	477.8	336.1	216.5	154.8	128.5	117.5	110.8	104.0	95.6	92.2
87.5°	420.7	382.2	276.1	186.9	136.6	114.6	104.4	97.7	90.1	81.2	78.2
90°	332.8	309.1	229.6	160.7	120.9	102.7	92.6	85.4	77.0	68.9	67.2
92.5°	263.8	247.4	189.8	136.6	106.6	90.9	81.6	74.4	66.0	57.9	55.4
95°	212.3	196.2	155.6	119.2	93.4	79.9	71.9	65.1	56.7	48.6	46.9
97.5°	169.6	156.9	127.7	100.2	82.0	71.0	63.8	56.7	48.2	41.0	40.2
100°	132.8	125.2	105.7	86.3	72.3	63.0	56.2	49.9	41.4	34.2	33.8
102.5°	106.1	101.9	87.9	74.4	63.4	55.8	50.3	43.6	35.9	29.2	28.8
105°	85.4	82.9	73.1	63.8	56.2	49.9	44.8	38.1	30.4	24.9	24.9
107.5°	69.3	67.2	61.3	54.5	49.5	44.8	39.3	33.4	26.2	21.6	21.6
110°	56.7	55.8	52.0	47.4	43.6	39.7	34.7	28.8	22.4	19.0	19.0



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CATALOG NUMBER: LXF.LXT-PA1-30-740-U-T2U-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	47.4	46.9	44.0	41.4	38.5	35.1	30.9	25.4	19.4	16.5	16.9
115°	39.3	39.3	37.6	35.9	33.8	31.3	27.1	21.6	16.5	14.8	14.8
117.5°	33.4	33.0	32.6	31.3	30.0	27.5	23.3	18.6	14.0	13.1	13.5
120°	28.8	28.8	27.9	27.5	26.2	23.7	20.3	15.6	11.8	11.8	11.8
122.5°	24.5	24.9	24.1	23.7	22.8	21.1	17.3	13.1	10.6	10.1	10.6
125°	21.6	21.6	21.1	20.7	19.9	17.8	14.8	11.0	8.9	9.3	9.3
127.5°	18.2	18.6	18.2	17.8	17.3	15.2	12.3	8.9	7.6	8.0	8.0
130°	16.1	16.1	15.6	15.2	14.4	12.7	10.1	7.2	6.8	7.2	7.2
132.5°	13.5	13.5	13.5	12.7	11.8	10.6	8.0	5.9	5.5	6.3	6.3
135°	11.4	11.4	11.4	10.6	9.7	8.0	5.9	4.7	4.7	5.5	5.5
137.5°	9.3	9.7	9.3	8.5	7.6	6.3	4.7	3.4	3.8	4.7	4.7
140°	7.6	7.6	7.2	6.8	5.5	4.2	3.0	2.5	3.4	3.8	3.8
142.5°	5.9	5.9	5.5	4.7	3.8	3.0	1.7	1.7	2.5	3.0	3.0
145°	4.2	4.2	3.8	3.0	2.1	1.3	0.4	0.8	1.7	2.1	2.1
147.5°	2.5	2.5	2.5	2.1	1.3	0.4	0.0	0.4	0.8	1.3	1.3
150°	1.7	1.7	1.7	1.3	0.8	0.0	0.0	0.0	0.4	0.8	0.8
152.5°	0.8	0.8	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	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)