

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: P415307

Luminaire Tested: **LXF.LXT-PA1-40-830-U-T2U-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415307
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-PA1-40-830-U-T2U-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 500mA 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: 3687 lumens
Efficiency: N/A
Efficacy: 92.2 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): 40
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

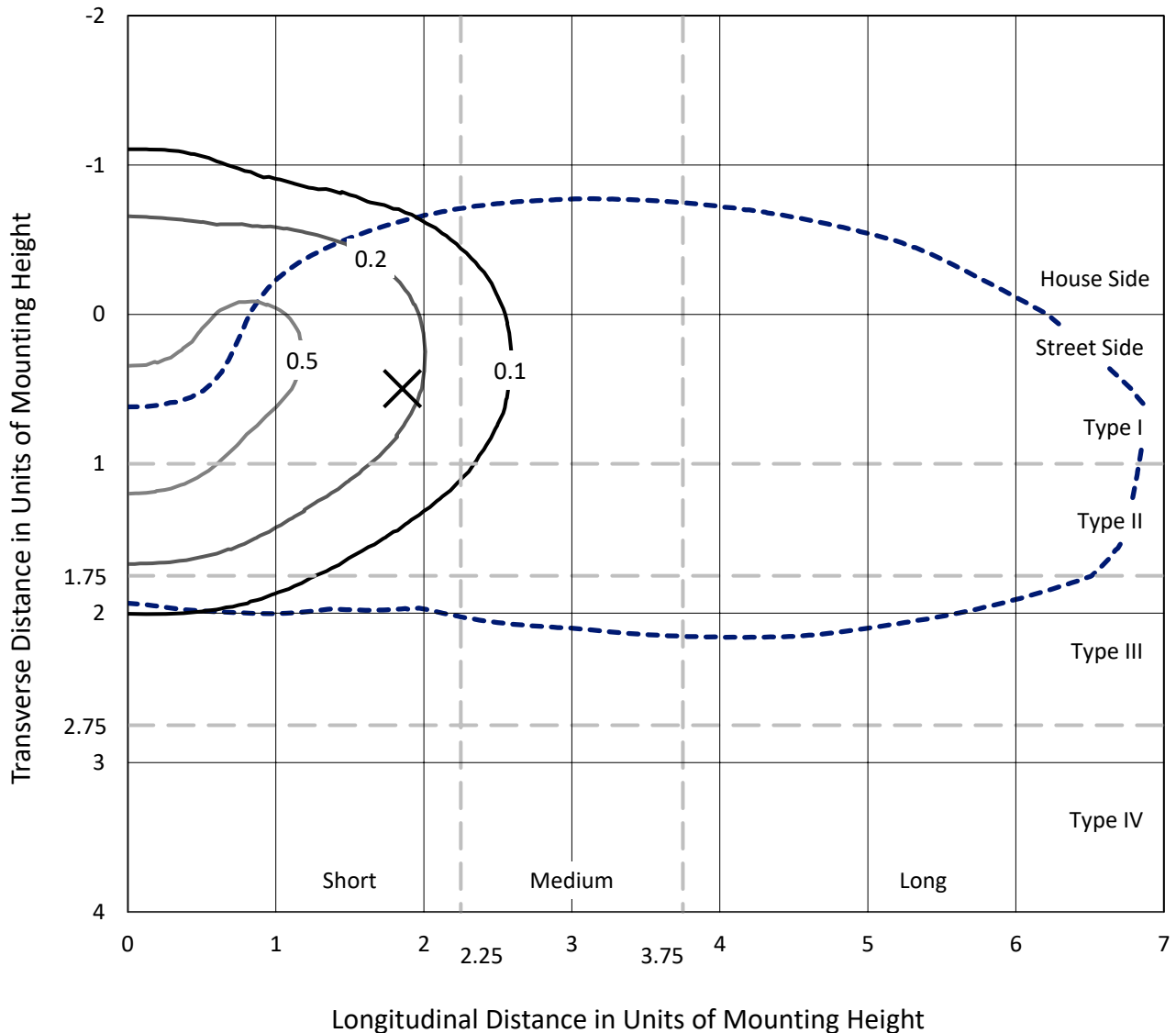


REPORT NUMBER: P415307

CATALOG NUMBER: LXF.LXT-PA1-40-830-U-T2U-FL

Iso-Footcandle Lines of Horizontal Illumination

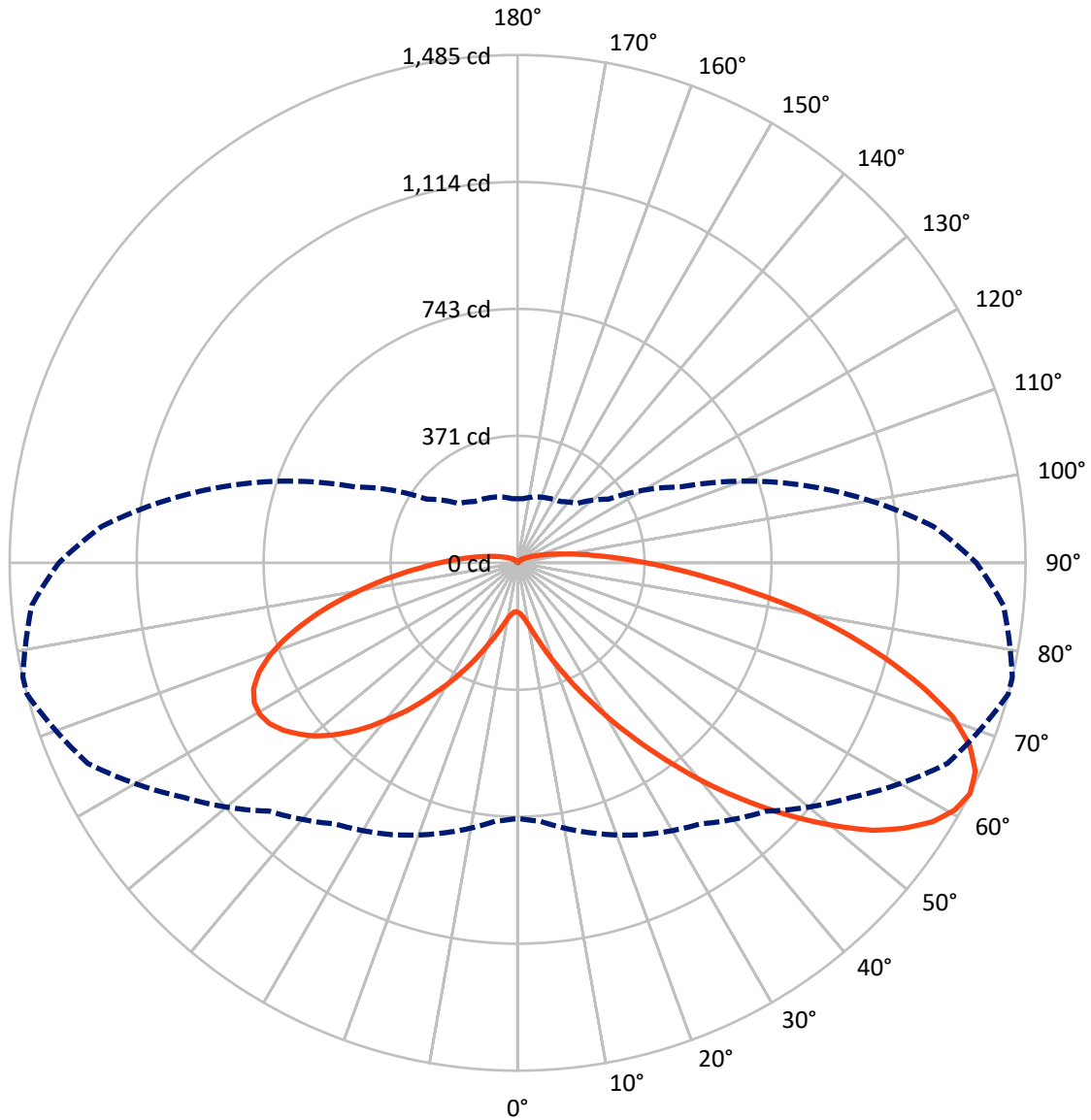
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P415307
CATALOG NUMBER: LXF.LXT-PA1-40-830-U-T2U-FL

Luminous Intensity Polar Plot



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

REPORT NUMBER: P415307

CATALOG NUMBER: LXF.LXT-PA1-40-830-U-T2U-FL

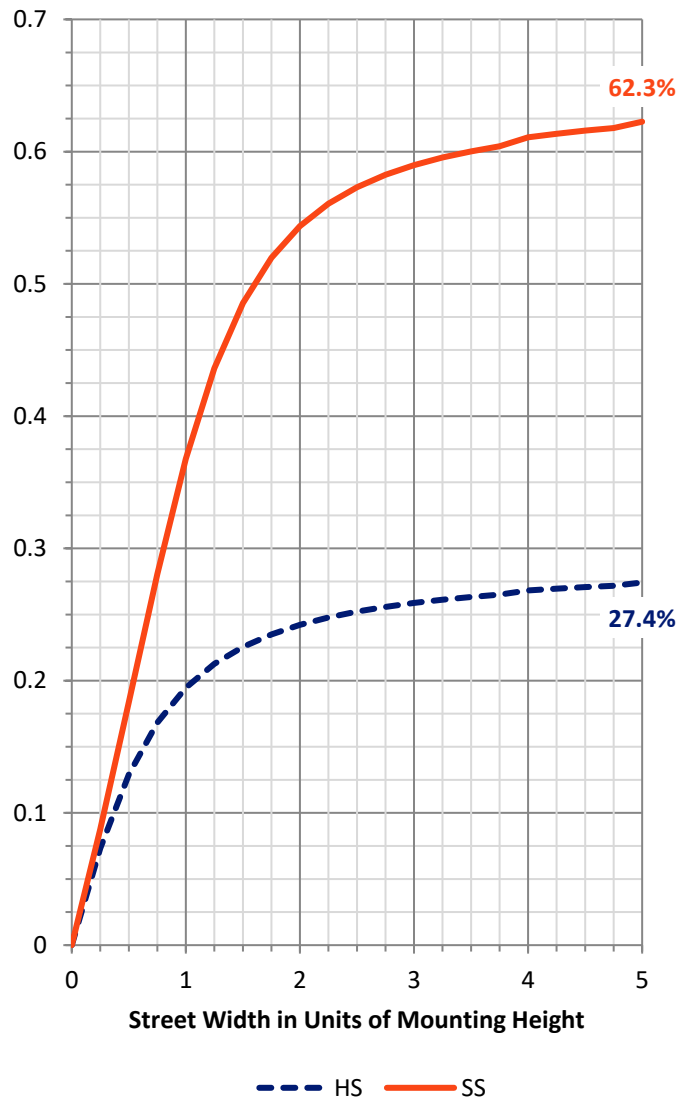
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1054.4	112.1	1166.5
	% Fixture	28.6	3.0	31.6
Street Side	Lumens	2366.6	153.9	2520.5
	% Fixture	64.2	4.2	68.4
Total	Lumens	3421.0	266.1	3687.0
	% Fixture	92.8	7.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.3	0.4
10°-20°	64.1	1.7
20°-30°	166.0	4.5
30°-40°	339.7	9.2
40°-50°	563.4	15.3
50°-60°	730.9	19.8
60°-70°	719.8	19.5
70°-80°	529.0	14.3
80°-90°	292.7	7.9
90°-100°	138.3	3.7
100°-110°	66.1	1.8
110°-120°	33.7	0.9
120°-130°	17.5	0.5
130°-140°	8.0	0.2
140°-150°	2.4	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3421.0	92.8
0°-180°	3687.0	100.0

Coefficient of Utilization



REPORT NUMBER: P415307

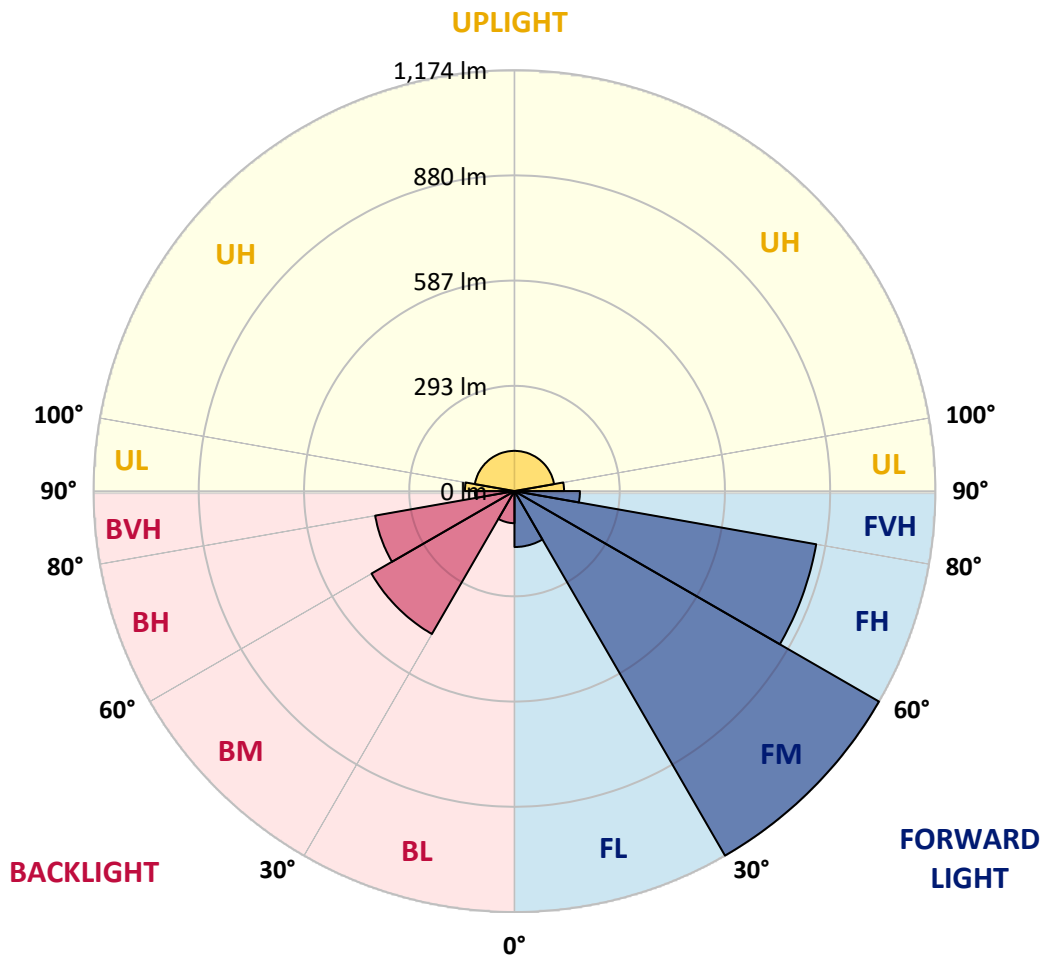
CATALOG NUMBER: LXF.LXT-PA1-40-830-U-T2U-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	156.0	4.2			
FM (30°-60°)	1173.8	31.8			
FH (60°-80°)	854.4	23.2			G1/1800
FVH (80°-90°)	182.4	4.9			G2/225
BL (0°-30°)	89.5	2.4	B0/110		
BM (30°-60°)	460.2	12.5	B1/1000		
BH (60°-80°)	394.4	10.7	B1/500		G1/500
BVH (80°-90°)	110.3	3.0			G2/225
UL (90°-100°)	138.3	3.7		U3/500	
UH (100°-180°)	112.1	3.0		U3/500	

BUG Rating: B1-U3-G2

Type III Short





REPORT NUMBER: P415307

CATALOG NUMBER: LXF.LXT-PA1-40-830-U-T2U-FL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	144.8	144.8	144.8	144.8	144.8	144.8	144.8	144.8	144.8	144.8	144.8
2.5°	161.4	160.1	159.2	157.9	157.0	155.3	153.5	150.9	148.8	148.3	146.6
5°	178.3	176.2	176.2	174.0	170.9	168.8	165.3	160.9	157.5	155.3	153.5
7.5°	200.1	198.3	196.2	194.4	191.4	187.5	182.7	177.0	170.1	168.8	164.4
10°	224.4	223.6	221.8	218.4	214.4	209.2	202.7	195.7	187.9	186.6	179.2
12.5°	256.6	256.6	254.0	249.2	243.6	234.0	228.4	221.0	211.8	210.5	200.1
15°	296.2	294.5	291.0	282.7	276.2	268.4	261.4	251.9	239.7	237.5	227.9
17.5°	339.7	336.2	334.5	326.7	318.0	308.4	298.8	288.4	274.9	271.4	260.1
20°	388.4	390.6	384.1	375.4	362.3	352.8	341.9	328.4	313.6	311.0	297.5
22.5°	449.8	448.0	438.9	426.7	414.1	403.7	389.7	376.3	356.2	353.6	338.0
25°	517.6	515.9	504.1	488.9	474.6	455.9	439.8	425.4	408.9	405.0	386.3
27.5°	584.2	592.9	575.0	556.3	539.4	518.5	499.4	481.1	462.4	459.3	439.8
30°	675.1	677.3	656.4	630.7	607.7	581.6	561.6	545.0	528.9	518.9	501.1
32.5°	769.9	762.9	746.4	715.1	678.6	649.4	627.2	612.0	596.8	591.6	565.5
35°	863.9	863.9	838.2	796.0	748.2	718.6	696.8	687.7	673.8	665.5	636.4
37.5°	956.1	954.8	928.7	879.1	829.9	789.5	775.6	765.1	755.6	747.3	711.6
40°	1047.0	1044.8	1013.5	965.2	907.8	866.0	854.7	856.5	845.2	833.8	798.2
42.5°	1120.1	1119.2	1094.4	1046.1	977.4	940.4	929.1	939.5	934.3	923.5	881.7
45°	1178.4	1174.4	1154.9	1105.7	1043.5	1004.4	1007.4	1032.6	1026.5	1021.3	969.6
47.5°	1202.7	1202.3	1191.4	1148.8	1091.4	1064.0	1081.4	1116.6	1118.8	1114.4	1056.6
50°	1196.2	1197.9	1197.1	1171.0	1124.0	1110.1	1143.6	1203.6	1210.5	1206.2	1146.6
52.5°	1157.9	1158.8	1173.1	1161.8	1135.3	1139.2	1198.8	1275.8	1300.1	1288.4	1226.2
55°	1077.0	1087.9	1116.1	1122.7	1119.2	1145.7	1231.9	1333.2	1370.2	1366.3	1295.4
57.5°	993.5	988.3	1028.7	1060.0	1078.3	1128.3	1242.7	1374.1	1429.8	1424.5	1357.1
60°	871.7	879.5	929.1	973.9	1012.6	1086.6	1232.7	1395.8	1468.5	1465.4	1402.4
62.5°	747.3	758.6	817.3	876.9	932.2	1027.4	1195.3	1387.6	1485.4	1485.0	1426.3
65°	630.3	642.5	696.4	768.6	839.1	947.4	1130.1	1352.3	1471.1	1472.0	1421.9
67.5°	526.3	532.8	589.4	669.0	737.7	853.4	1046.1	1282.7	1425.9	1430.6	1387.1
70°	433.7	438.5	493.3	564.2	643.8	748.6	944.3	1193.6	1350.2	1351.9	1324.5
72.5°	355.8	360.2	412.8	475.9	549.4	656.8	839.5	1071.8	1236.2	1253.6	1227.9
75°	284.5	293.2	338.4	399.7	465.4	561.1	728.6	940.9	1108.3	1123.1	1119.2
77.5°	231.8	243.6	279.7	332.3	392.8	475.9	617.7	811.7	973.0	985.2	988.3
80°	187.0	195.7	231.8	278.4	329.7	401.9	516.3	685.5	836.9	838.2	836.9
82.5°	151.8	158.3	190.5	232.7	277.9	338.0	432.8	572.0	686.4	700.3	702.9
85°	123.5	128.3	156.2	194.0	232.3	283.2	357.1	467.2	557.6	572.0	567.2
87.5°	99.2	105.7	127.9	160.1	195.7	236.2	297.1	378.0	450.2	456.3	455.4
90°	81.3	83.5	105.7	133.1	165.3	196.2	242.7	304.5	358.4	369.3	361.9
92.5°	65.7	69.2	87.9	112.7	137.9	164.9	201.4	250.1	283.6	290.1	286.6
95°	55.2	57.0	73.9	94.4	116.1	140.5	166.2	199.7	224.4	226.6	227.5
97.5°	46.1	47.8	61.8	80.5	99.2	118.7	138.3	163.1	179.6	179.2	177.9
100°	39.6	40.5	53.1	70.0	86.6	100.9	116.1	131.4	141.4	144.4	139.6
102.5°	34.4	34.8	45.7	60.5	74.4	87.0	98.3	109.2	113.1	113.5	111.4
105°	30.4	30.9	40.0	52.2	64.8	74.4	83.1	89.6	91.3	91.3	88.7
107.5°	27.0	27.4	34.4	46.1	57.4	65.2	71.3	74.8	73.9	73.5	71.8
110°	24.8	24.8	30.4	40.9	50.0	57.0	61.8	62.2	60.0	60.0	58.3



REPORT NUMBER: P415307

CATALOG NUMBER: LXF.LXT-PA1-40-830-U-T2U-FL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	22.6	22.6	27.0	36.1	44.4	50.5	53.5	52.6	49.6	48.7	48.7
115°	20.9	20.9	23.9	31.8	39.6	44.4	46.5	44.4	40.9	40.5	40.0
117.5°	19.6	19.6	21.7	28.3	34.8	39.1	40.5	38.3	34.4	33.9	33.9
120°	18.3	18.3	20.0	24.8	30.9	34.4	35.2	32.6	28.7	28.7	29.1
122.5°	17.4	17.4	18.3	22.2	27.4	30.4	30.4	27.8	24.4	24.4	24.8
125°	16.5	16.5	17.0	19.6	23.9	26.5	26.1	23.1	20.9	20.9	21.3
127.5°	15.7	15.7	15.7	17.4	20.9	23.1	22.6	19.6	17.8	17.8	18.7
130°	14.8	14.8	14.4	15.2	17.8	19.6	18.7	16.5	15.2	15.2	16.1
132.5°	13.9	13.9	13.0	13.5	15.2	16.1	15.2	13.5	13.0	13.0	13.5
135°	13.0	12.6	12.2	11.7	12.6	13.0	12.2	10.9	10.9	10.9	11.7
137.5°	11.7	11.7	10.9	10.0	10.0	10.0	9.6	8.3	8.7	9.1	9.6
140°	10.9	10.9	10.0	8.7	7.8	7.8	7.0	6.5	7.0	7.4	7.8
142.5°	9.6	9.6	8.7	7.4	6.1	5.2	4.8	4.3	5.2	5.7	5.7
145°	8.3	8.3	7.4	5.7	4.3	3.0	2.6	3.0	3.5	3.9	4.3
147.5°	7.0	6.5	5.7	4.3	2.2	1.3	0.9	1.7	2.2	2.2	2.6
150°	5.2	5.2	4.3	3.0	1.3	0.0	0.4	0.9	1.3	1.3	1.7
152.5°	3.9	3.5	3.0	1.7	0.0	0.0	0.0	0.0	0.4	0.9	0.9
155°	2.2	2.2	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: P415307

CATALOG NUMBER: LXF.LXT-PA1-40-830-U-T2U-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	144.8	144.8	144.8	144.8	144.8	144.8	144.8	144.8	144.8	144.8	144.8
2.5°	145.7	144.4	142.7	141.4	140.1	138.3	137.5	136.1	136.1	136.1	137.0
5°	150.9	149.2	145.3	141.8	138.3	135.7	133.1	131.4	130.5	129.6	130.1
7.5°	160.5	158.3	152.2	146.2	141.4	136.6	133.1	130.1	128.8	128.3	128.3
10°	175.3	171.4	162.2	154.0	147.0	140.5	135.7	131.8	130.1	128.8	128.8
12.5°	195.3	189.6	178.8	167.5	157.0	148.3	141.4	138.3	137.0	136.1	136.6
15°	221.8	215.7	199.2	184.4	170.9	159.2	152.7	149.6	147.9	147.0	146.6
17.5°	252.7	244.0	224.0	204.9	187.9	174.9	166.6	161.8	158.8	157.0	157.5
20°	286.6	275.3	249.7	228.8	207.0	194.0	181.4	173.6	169.6	168.8	169.2
22.5°	324.9	313.2	283.6	253.2	230.5	211.0	195.7	185.7	181.0	180.5	180.5
25°	370.2	354.5	319.7	281.4	252.3	227.5	209.7	197.5	192.3	190.5	190.5
27.5°	421.5	400.6	357.6	313.6	273.6	242.3	221.4	207.5	201.8	200.5	200.5
30°	478.0	456.3	401.5	344.1	294.0	255.3	231.8	217.1	209.7	207.9	208.4
32.5°	540.2	512.0	442.8	376.7	311.9	265.8	238.8	224.0	215.7	213.6	213.6
35°	607.7	574.6	492.0	408.4	328.8	274.0	244.0	228.8	219.7	217.5	217.1
37.5°	683.3	642.0	542.9	437.6	342.3	279.3	247.5	231.8	221.8	218.8	218.4
40°	762.5	715.1	589.8	464.1	353.6	282.3	248.4	233.1	222.7	217.9	217.5
42.5°	836.5	784.3	643.3	488.5	360.6	283.6	247.9	232.7	221.8	215.3	214.9
45°	918.2	854.3	692.5	510.7	364.9	282.7	246.2	230.5	220.1	211.8	211.0
47.5°	1003.9	930.4	737.7	526.8	366.7	280.1	244.0	228.8	217.1	207.9	207.0
50°	1081.4	995.7	779.9	539.4	365.8	276.2	240.5	226.2	214.4	204.0	203.1
52.5°	1157.0	1064.0	813.0	546.3	361.5	271.9	237.5	223.1	211.4	200.5	199.2
55°	1225.8	1117.9	842.5	549.4	355.8	266.2	233.1	220.5	208.8	197.0	195.7
57.5°	1278.8	1168.8	864.3	545.5	347.1	259.7	228.8	216.6	205.7	194.0	192.7
60°	1318.0	1202.3	874.3	538.1	337.1	252.3	223.6	212.7	202.7	191.4	190.1
62.5°	1341.5	1221.0	872.1	525.0	324.5	244.9	218.8	208.8	199.7	188.3	187.5
65°	1337.6	1213.6	855.6	504.1	311.0	235.3	211.4	203.6	195.3	184.9	183.6
67.5°	1305.8	1183.6	822.1	478.0	295.8	225.8	204.4	196.6	189.6	180.5	177.9
70°	1249.3	1128.3	773.8	445.4	278.4	214.9	196.2	188.8	182.7	174.0	171.4
72.5°	1154.0	1047.9	712.5	411.5	259.7	202.3	185.3	179.2	172.7	165.7	162.7
75°	1045.2	946.9	640.3	371.5	239.7	189.6	174.0	167.9	161.8	154.4	151.8
77.5°	926.9	832.5	565.5	336.2	219.2	175.3	161.4	156.2	150.1	142.2	139.2
80°	785.6	710.3	485.9	295.8	198.8	161.4	148.3	142.7	136.1	128.8	125.7
82.5°	658.1	591.6	412.4	259.2	178.3	147.0	135.7	127.4	121.4	114.0	108.7
85°	538.1	491.5	345.8	222.7	159.2	132.2	120.9	114.0	107.0	98.3	94.8
87.5°	432.8	393.2	284.0	192.3	140.5	117.9	107.4	100.5	92.6	83.5	80.5
90°	342.3	318.0	236.2	165.3	124.4	105.7	95.3	87.9	79.2	70.9	69.2
92.5°	271.4	254.5	195.3	140.5	109.6	93.5	84.0	76.6	67.9	59.6	57.0
95°	218.4	201.8	160.1	122.7	96.1	82.2	73.9	67.0	58.3	50.0	48.3
97.5°	174.4	161.4	131.4	103.1	84.4	73.1	65.7	58.3	49.6	42.2	41.3
100°	136.6	128.8	108.7	88.7	74.4	64.8	57.9	51.3	42.6	35.2	34.8
102.5°	109.2	104.8	90.5	76.6	65.2	57.4	51.8	44.8	37.0	30.0	29.6
105°	87.9	85.3	75.3	65.7	57.9	51.3	46.1	39.1	31.3	25.7	25.7
107.5°	71.3	69.2	63.1	56.1	50.9	46.1	40.5	34.4	27.0	22.2	22.2
110°	58.3	57.4	53.5	48.7	44.8	40.9	35.7	29.6	23.1	19.6	19.6



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CATALOG NUMBER: LXF.LXT-PA1-40-830-U-T2U-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	48.7	48.3	45.2	42.6	39.6	36.1	31.8	26.1	20.0	17.0	17.4
115°	40.5	40.5	38.7	37.0	34.8	32.2	27.8	22.2	17.0	15.2	15.2
117.5°	34.4	33.9	33.5	32.2	30.9	28.3	23.9	19.1	14.4	13.5	13.9
120°	29.6	29.6	28.7	28.3	27.0	24.4	20.9	16.1	12.2	12.2	12.2
122.5°	25.2	25.7	24.8	24.4	23.5	21.7	17.8	13.5	10.9	10.4	10.9
125°	22.2	22.2	21.7	21.3	20.4	18.3	15.2	11.3	9.1	9.6	9.6
127.5°	18.7	19.1	18.7	18.3	17.8	15.7	12.6	9.1	7.8	8.3	8.3
130°	16.5	16.5	16.1	15.7	14.8	13.0	10.4	7.4	7.0	7.4	7.4
132.5°	13.9	13.9	13.9	13.0	12.2	10.9	8.3	6.1	5.7	6.5	6.5
135°	11.7	11.7	11.7	10.9	10.0	8.3	6.1	4.8	4.8	5.7	5.7
137.5°	9.6	10.0	9.6	8.7	7.8	6.5	4.8	3.5	3.9	4.8	4.8
140°	7.8	7.8	7.4	7.0	5.7	4.3	3.0	2.6	3.5	3.9	3.9
142.5°	6.1	6.1	5.7	4.8	3.9	3.0	1.7	1.7	2.6	3.0	3.0
145°	4.3	4.3	3.9	3.0	2.2	1.3	0.4	0.9	1.7	2.2	2.2
147.5°	2.6	2.6	2.6	2.2	1.3	0.4	0.0	0.4	0.9	1.3	1.3
150°	1.7	1.7	1.7	1.3	0.9	0.0	0.0	0.0	0.4	0.9	0.9
152.5°	0.9	0.9	0.9	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)