

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: P415004

Luminaire Tested: **LXF.LXT-PA1-40-727-U-T3-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415004
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-17)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-40-727-U-T3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3894 lumens
Efficiency: N/A
Efficacy: 97.4 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 - G3

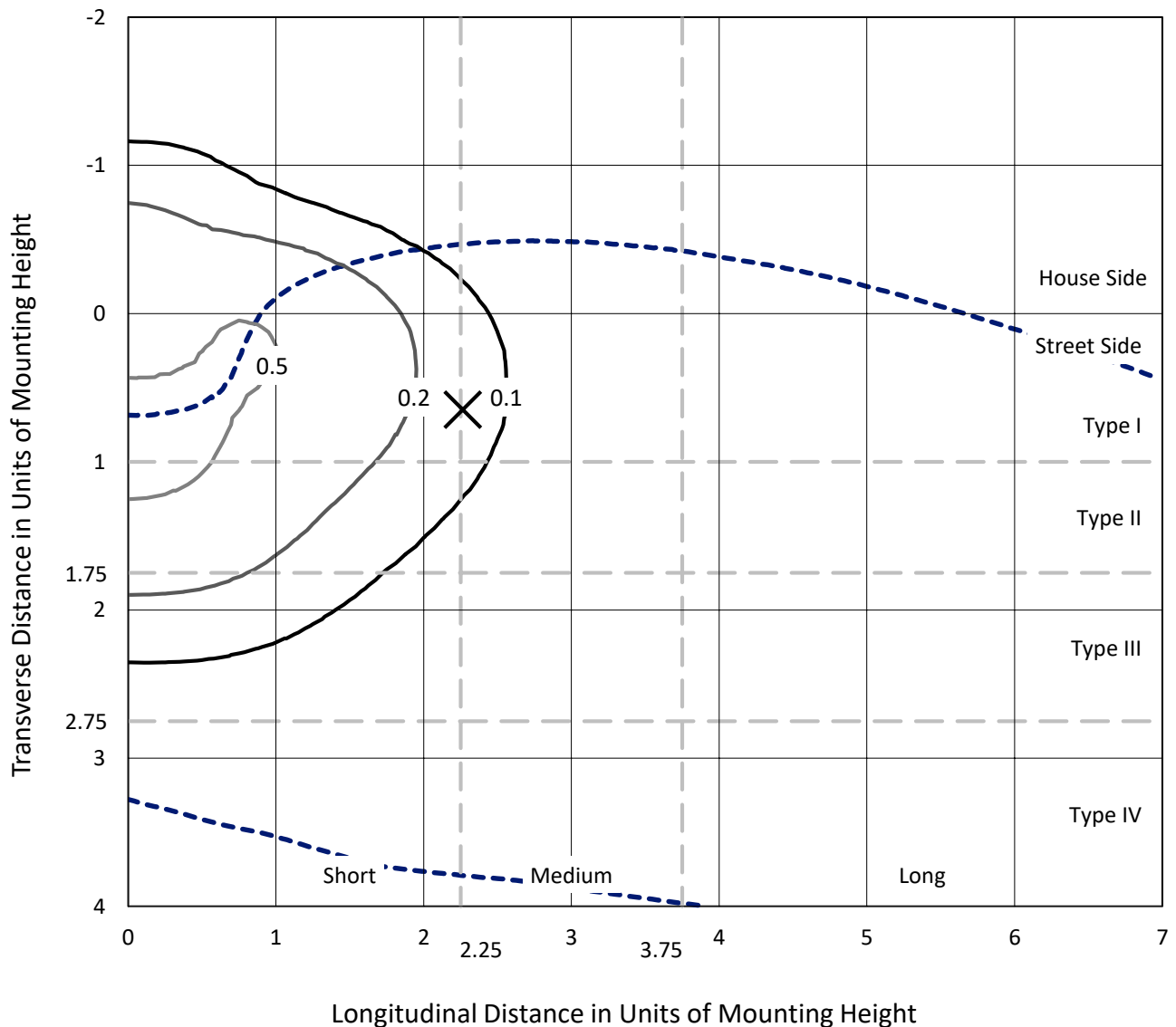
Input Watts (W): 40
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P415004
 CATALOG NUMBER: LXF.LXT-PA1-40-727-U-T3-FL

Iso-Footcandle Lines of Horizontal Illumination

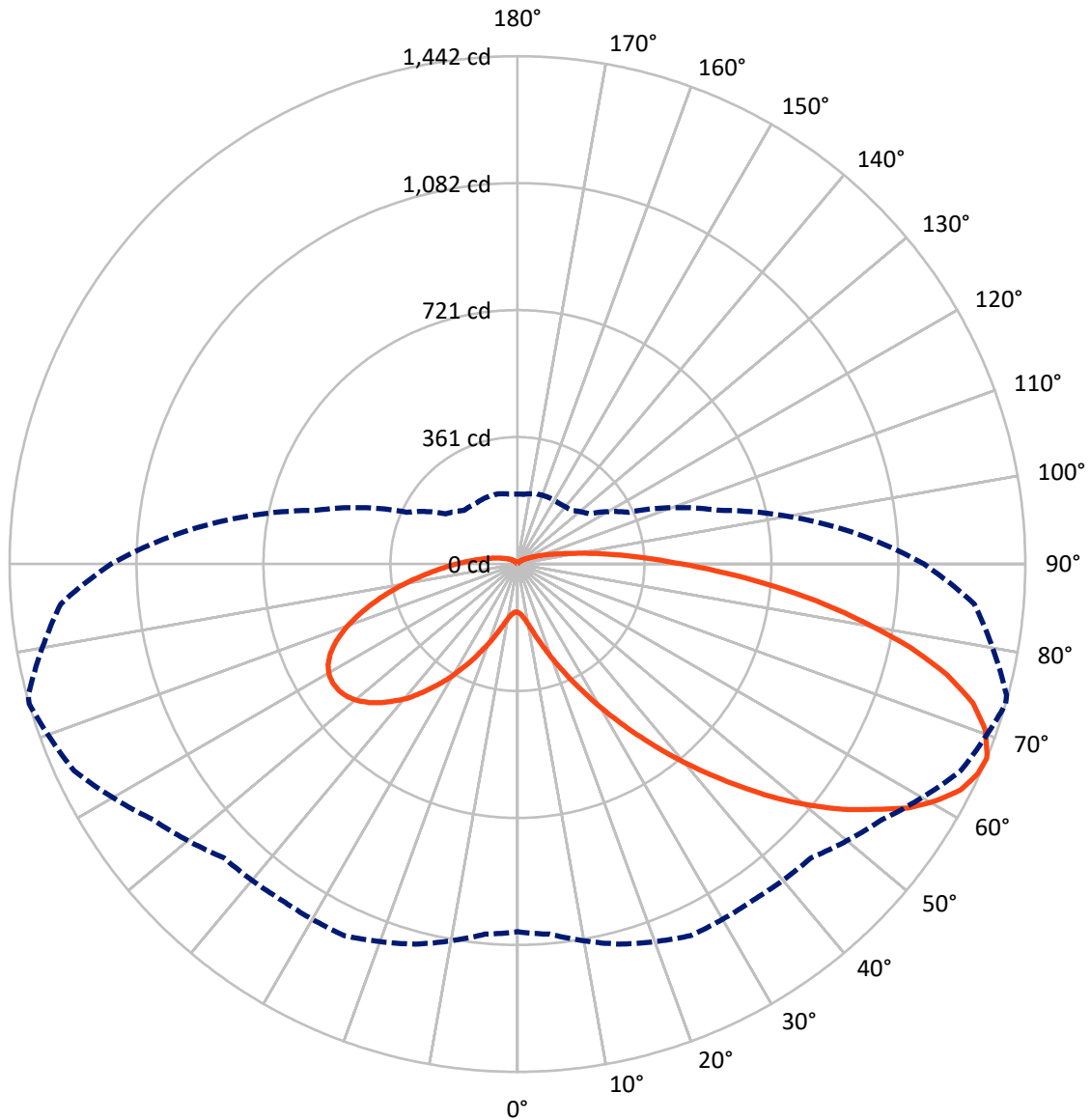
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P415004
CATALOG NUMBER: LXF.LXT-PA1-40-727-U-T3-FL

Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

REPORT NUMBER: P415004

CATALOG NUMBER: LXF.LXT-PA1-40-727-U-T3-FL

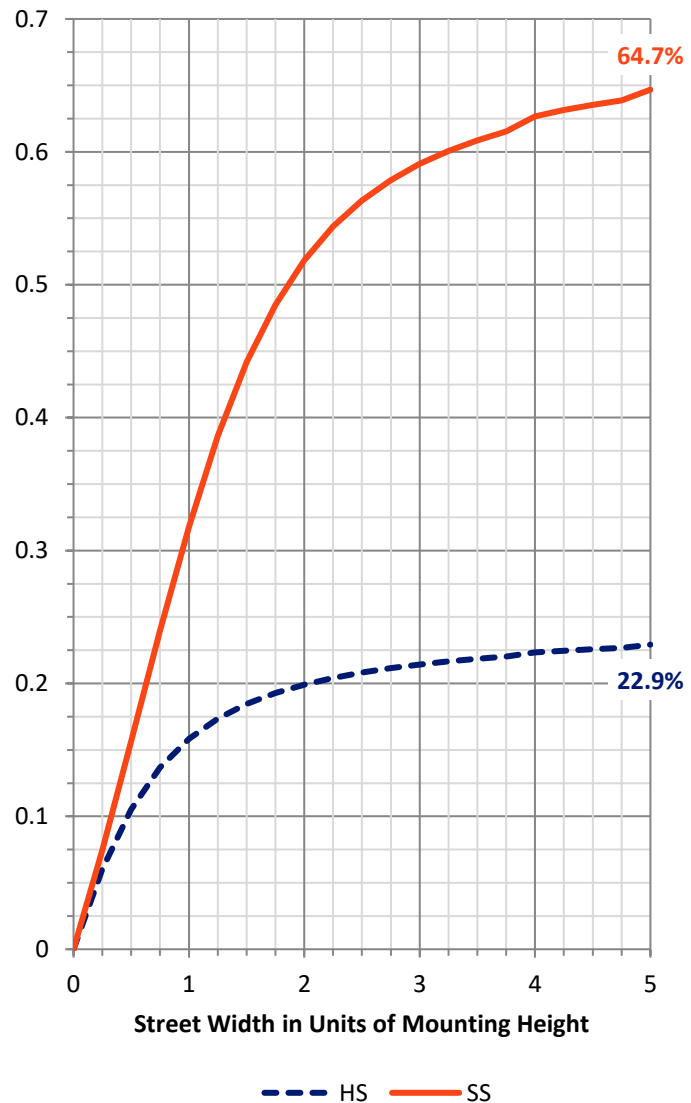
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	938.7	116.1	1054.8
	% Fixture	24.1	3.0	27.1
Street Side	Lumens	2637.1	202.1	2839.2
	% Fixture	67.7	5.2	72.9
Total	Lumens	3575.8	318.2	3894.0
	% Fixture	91.8	8.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.5	0.4
10°-20°	59.8	1.5
20°-30°	151.3	3.9
30°-40°	303.5	7.8
40°-50°	509.5	13.1
50°-60°	714.7	18.4
60°-70°	798.9	20.5
70°-80°	651.7	16.7
80°-90°	372.0	9.6
90°-100°	170.0	4.4
100°-110°	77.8	2.0
110°-120°	38.4	1.0
120°-130°	19.5	0.5
130°-140°	9.1	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°	3575.8	91.8
0°-180°	3894.0	100.0

Coefficient of Utilization



REPORT NUMBER: P415004

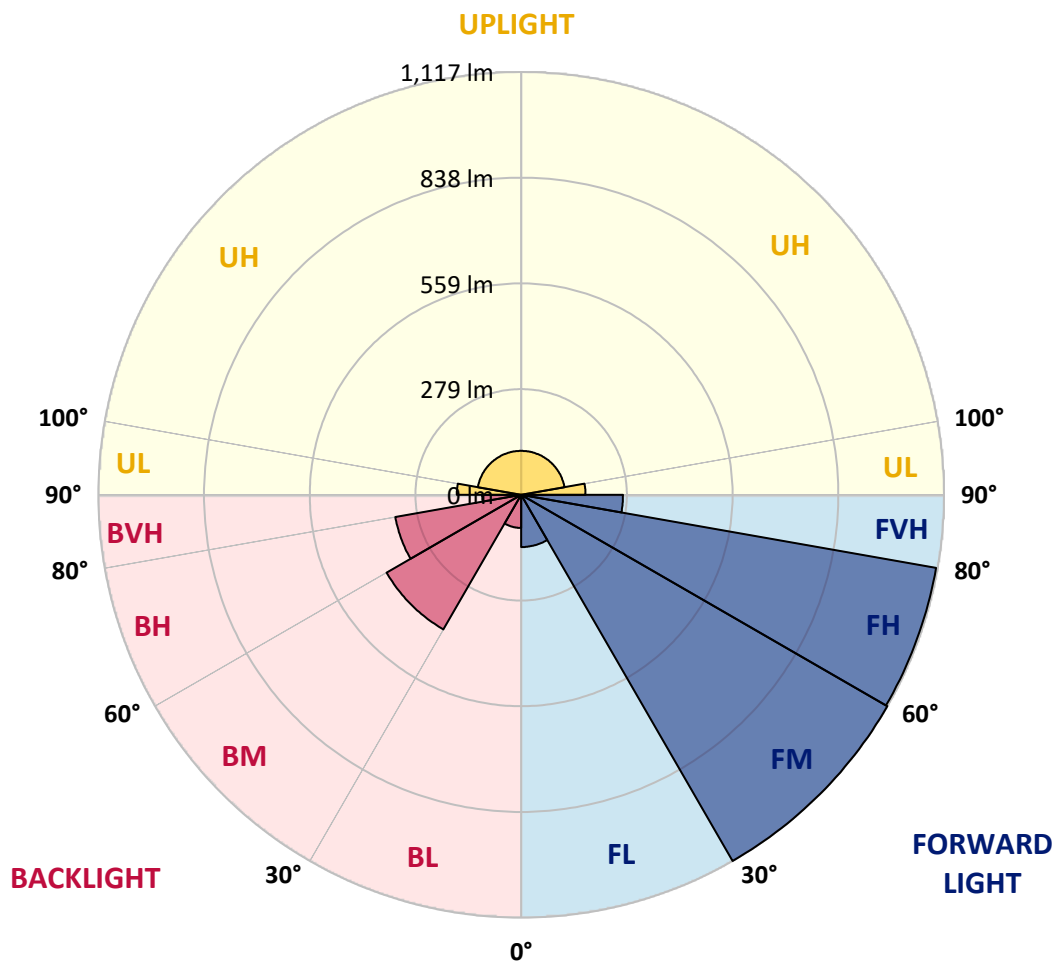
CATALOG NUMBER: LXF.LXT-PA1-40-727-U-T3-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	138.0	3.5			
FM	(30°-60°)	1117.1	28.7			
FH	(60°-80°)	1113.1	28.6			G1/1800
FVH	(80°-90°)	269.0	6.9			G3/500
BL	(0°-30°)	87.5	2.2	B0/110		
BM	(30°-60°)	410.6	10.5	B1/1000		
BH	(60°-80°)	337.5	8.7	B1/500		G1/500
BVH	(80°-90°)	103.0	2.6			G2/225
UL	(90°-100°)	170.0	4.4		U3/500	
UH	(100°-180°)	116.1	3.0		U3/500	

BUG Rating: B1-U3-G3

Type IV Medium





REPORT NUMBER: P415004

CATALOG NUMBER: LXF.LXT-PA1-40-727-U-T3-FL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	137.4	137.4	137.4	137.4	137.4	137.4	137.4	137.4	137.4	137.4	137.4
2.5°	149.3	148.4	148.4	147.4	147.0	145.1	143.8	141.9	141.0	140.6	139.2
5°	163.0	161.6	161.6	160.7	158.9	156.6	153.4	151.6	148.4	148.8	144.7
7.5°	179.5	179.0	178.1	176.3	174.0	171.2	168.0	163.9	160.3	160.3	155.2
10°	201.5	198.7	198.7	196.4	194.1	190.0	185.4	180.9	175.8	175.4	168.5
12.5°	228.0	227.6	224.8	221.6	218.0	213.8	206.5	201.9	196.9	196.4	189.1
15°	259.2	257.8	254.1	252.8	247.3	239.9	234.0	229.4	224.4	222.5	212.9
17.5°	295.8	294.0	292.6	285.7	281.1	275.2	268.3	262.4	253.7	252.8	242.2
20°	338.8	334.7	330.6	325.1	317.8	312.3	304.9	299.5	289.4	289.4	275.2
22.5°	384.2	383.2	379.6	370.4	360.4	354.9	348.0	337.0	328.8	326.5	310.9
25°	439.1	438.2	430.9	421.3	410.7	402.5	391.5	379.6	372.7	372.3	354.9
27.5°	501.4	502.8	489.9	477.6	463.4	450.1	438.2	432.2	423.1	421.7	401.6
30°	576.5	570.5	557.2	539.4	519.7	502.8	490.4	484.4	478.5	478.0	453.8
32.5°	652.9	646.1	634.6	609.9	582.4	556.3	550.4	545.3	538.5	534.8	510.5
35°	737.6	732.2	715.7	683.2	646.5	618.1	605.8	606.7	603.5	601.7	572.4
37.5°	831.1	821.4	799.0	767.4	713.4	682.7	668.5	676.3	674.5	670.8	640.1
40°	919.0	917.6	893.8	844.8	790.3	746.8	737.2	750.5	748.2	743.6	709.7
42.5°	1020.6	1010.5	984.0	929.0	863.1	815.0	804.5	824.2	826.9	827.8	782.5
45°	1107.6	1103.0	1077.9	1014.7	938.7	886.5	877.8	898.8	908.0	908.9	859.0
47.5°	1192.3	1190.5	1164.8	1099.4	1012.4	957.0	945.5	975.7	995.0	990.9	931.8
50°	1256.0	1259.2	1238.6	1176.3	1085.6	1019.7	1022.4	1059.5	1077.4	1075.1	1009.6
52.5°	1310.5	1305.9	1297.2	1238.1	1143.8	1083.3	1086.6	1131.0	1157.5	1156.1	1083.3
55°	1330.6	1329.2	1330.1	1282.1	1191.4	1135.5	1145.2	1207.9	1229.9	1227.1	1143.3
57.5°	1326.5	1325.6	1339.8	1308.2	1229.9	1176.8	1198.7	1271.1	1307.2	1303.6	1206.5
60°	1295.3	1291.2	1321.9	1310.5	1245.4	1202.4	1240.9	1326.5	1365.4	1364.5	1258.3
62.5°	1225.3	1231.7	1274.3	1284.8	1240.9	1215.7	1266.0	1369.5	1413.0	1409.8	1295.3
65°	1127.8	1143.8	1195.1	1231.7	1209.7	1203.8	1275.2	1388.8	1436.8	1436.4	1308.6
67°	1044.4	1055.4	1117.7	1164.4	1165.8	1179.5	1264.7	1389.2	1442.3	1438.2	1302.2
67.5°	1015.1	1029.8	1093.0	1149.7	1155.7	1172.6	1260.5	1388.3	1438.7	1436.4	1299.0
70°	882.3	899.3	968.4	1039.8	1076.5	1113.1	1223.0	1362.7	1409.4	1404.3	1261.9
72.5°	747.7	771.5	837.0	921.7	975.3	1035.7	1158.0	1298.5	1353.5	1343.0	1189.6
75°	618.6	634.6	698.3	789.8	859.4	941.4	1069.2	1212.0	1261.5	1252.8	1097.5
77.5°	493.1	507.8	569.1	661.2	739.9	832.0	965.2	1103.5	1142.0	1136.9	980.8
80°	389.2	399.7	458.8	540.8	621.8	720.2	846.6	970.2	995.4	999.1	852.1
82.5°	299.5	313.2	364.5	436.8	513.3	607.1	717.0	826.5	854.4	845.2	720.2
85°	228.9	240.4	286.2	347.5	424.0	503.2	601.2	690.9	703.3	692.8	583.8
87.5°	179.0	187.7	223.4	283.0	343.9	411.6	489.9	558.6	565.0	563.2	467.5
90°	138.7	146.5	176.3	223.4	279.3	337.5	398.8	446.9	443.7	446.4	368.6
92.5°	109.0	113.1	140.1	181.8	228.5	275.2	321.9	353.9	353.5	345.7	287.5
95°	88.4	90.7	114.0	148.8	186.4	223.4	258.2	278.8	277.9	269.7	224.4
97.5°	71.4	72.8	92.9	122.3	153.8	182.7	207.9	222.5	215.2	212.0	175.8
100°	58.6	59.5	76.9	102.1	128.2	152.9	170.8	176.7	166.7	164.8	138.3
102.5°	49.9	50.4	65.0	86.5	107.1	125.9	139.2	141.9	130.0	131.0	109.0
105°	42.6	43.0	54.5	73.7	91.1	105.3	114.9	113.6	103.9	102.6	87.0
107.5°	37.1	37.5	46.7	63.2	78.3	90.2	95.2	92.0	83.3	81.5	70.1



REPORT NUMBER: P415004

CATALOG NUMBER: LXF.LXT-PA1-40-727-U-T3-FL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	32.5	33.0	40.3	54.0	67.3	77.4	80.1	75.1	67.3	65.5	57.7
112.5°	29.3	29.3	35.3	46.7	58.6	66.9	67.8	62.7	54.0	53.1	48.1
115°	26.6	26.6	31.1	40.3	50.8	57.2	57.2	51.3	44.4	44.0	40.3
117.5°	24.3	24.3	27.5	35.3	44.0	49.5	48.5	43.0	37.1	36.6	34.8
120°	22.4	22.4	24.7	30.7	38.0	42.1	41.2	35.7	31.1	30.7	29.8
122.5°	20.6	21.1	22.4	27.0	33.0	36.2	35.3	30.7	26.6	26.1	26.1
125°	19.2	19.2	20.1	23.4	28.4	31.1	29.8	25.2	22.4	22.4	22.4
127.5°	17.9	17.9	18.3	20.6	24.3	26.1	24.7	21.1	19.7	19.2	19.7
130°	16.5	16.5	16.9	17.9	20.6	21.5	20.1	17.9	16.5	16.5	16.9
132.5°	15.1	15.1	15.1	15.6	16.9	17.9	16.5	14.7	14.2	14.2	14.7
135°	13.7	14.2	13.7	13.7	14.2	14.2	12.8	11.9	11.9	12.4	12.8
137.5°	12.4	12.4	11.9	11.4	11.4	11.0	10.1	9.6	10.1	10.1	10.5
140°	11.0	11.0	10.5	9.6	8.7	8.2	7.8	7.3	8.2	8.2	8.7
142.5°	9.6	9.6	8.7	7.8	6.4	5.5	5.0	5.5	6.4	6.4	6.9
145°	7.8	7.8	7.3	6.4	4.6	3.7	3.2	4.1	4.6	4.6	5.0
147.5°	6.4	6.0	5.5	4.6	3.2	2.3	1.8	2.7	3.2	3.2	3.7
150°	4.6	4.6	4.1	3.2	1.8	0.9	0.9	1.4	1.8	1.8	2.3
152.5°	3.2	3.2	2.7	1.8	0.9	0.0	0.5	0.9	0.9	0.9	1.4
155°	1.8	1.8	1.8	1.4	0.5	0.0	0.0	0.5	0.5	0.5	0.9
157.5°	0.9	0.9	0.9	0.9	0.5	0.0	0.0	0.0	0.5	0.5	0.5
160°	0.5	0.5	0.9	0.5	0.5	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: P415004

CATALOG NUMBER: LXF.LXT-PA1-40-727-U-T3-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	137.4	137.4	137.4	137.4	137.4	137.4	137.4	137.4	137.4	137.4	137.4
2.5°	138.3	137.4	136.4	135.1	134.2	133.2	132.3	131.9	131.9	131.4	131.9
5°	143.3	141.9	139.2	136.9	134.2	132.3	130.5	129.6	128.7	128.2	128.2
7.5°	152.5	150.6	146.1	141.9	137.8	134.6	132.3	130.0	129.1	128.7	128.7
10°	165.8	163.0	156.1	150.2	144.2	140.1	136.0	133.7	132.3	131.4	131.4
12.5°	184.5	179.9	171.2	161.2	153.4	147.9	142.9	140.6	140.1	140.1	140.1
15°	209.7	203.3	190.0	178.1	166.7	157.1	153.4	153.4	152.9	152.5	152.9
17.5°	235.8	228.5	212.0	196.9	182.7	173.1	167.1	165.8	165.3	164.8	165.3
20°	266.9	257.8	238.6	218.0	200.1	190.9	182.7	179.0	178.6	179.0	178.1
22.5°	302.2	292.1	263.7	239.0	219.3	206.5	196.9	191.9	192.8	192.8	192.3
25°	344.8	329.2	295.8	262.4	238.6	220.7	209.7	204.7	205.1	206.0	207.0
27.5°	387.8	370.0	327.4	286.6	255.5	234.9	222.1	216.6	216.1	218.9	218.4
30°	438.2	415.3	362.2	311.4	271.1	245.0	231.7	227.1	226.7	228.9	229.4
32.5°	492.2	463.8	398.4	336.1	284.8	253.7	238.6	235.4	234.4	236.7	237.2
35°	551.3	515.1	433.6	357.6	296.2	259.6	244.1	240.4	239.0	241.3	242.2
37.5°	608.5	566.4	469.8	376.8	305.4	263.3	246.3	243.6	241.8	243.1	243.6
40°	669.0	624.1	506.4	394.2	310.9	265.1	247.3	244.5	242.7	242.7	242.7
42.5°	735.4	677.2	536.2	406.6	314.1	264.7	246.3	243.1	240.8	239.0	239.0
45°	803.6	734.4	566.9	416.7	314.6	262.4	244.1	241.3	237.6	234.0	233.5
47.5°	870.0	786.2	593.9	422.2	313.2	259.2	240.8	237.2	234.0	228.5	228.5
50°	934.5	837.9	616.3	424.9	309.1	255.5	237.6	234.0	229.9	222.5	221.6
52.5°	993.6	885.1	633.2	424.0	303.1	250.5	233.5	230.3	225.3	216.6	216.6
55°	1051.8	928.6	643.8	418.0	295.8	245.0	229.9	226.7	221.2	212.0	211.1
57.5°	1099.4	959.7	647.9	408.9	287.5	239.0	226.2	223.0	218.0	207.9	207.9
60°	1139.7	985.8	645.2	397.0	278.4	233.5	221.6	219.8	215.2	205.6	205.6
62.5°	1163.0	996.3	634.6	381.9	267.9	227.6	217.5	216.6	212.5	203.3	203.3
65°	1168.1	989.5	613.1	363.1	257.3	220.7	212.9	212.5	209.7	201.0	200.1
67°	1154.3	971.6	589.3	347.1	248.2	215.2	208.8	208.8	206.5	198.7	198.3
67.5°	1149.3	964.8	582.9	343.0	246.3	214.3	207.9	208.3	206.0	198.3	196.9
70°	1105.3	918.5	543.5	319.6	233.5	206.0	201.9	202.4	200.6	194.6	193.2
72.5°	1037.1	852.1	497.3	297.2	220.7	197.8	193.7	195.5	193.7	189.1	186.4
75°	945.1	771.1	449.2	271.5	207.9	187.7	185.0	185.9	185.4	180.9	178.6
77.5°	836.5	681.8	397.9	247.7	193.7	177.7	174.9	176.3	175.4	171.2	168.5
80°	718.9	587.5	348.4	223.9	179.0	166.2	163.5	163.9	163.5	159.3	155.7
82.5°	603.5	495.0	298.1	200.6	164.8	153.8	150.6	150.2	149.3	144.7	141.9
85°	498.2	406.6	254.6	178.1	150.2	140.1	137.4	135.5	134.2	129.1	127.3
87.5°	397.0	332.4	215.2	158.9	135.5	127.3	123.6	120.4	118.1	113.6	111.7
90°	316.9	267.9	183.6	139.2	122.3	114.9	109.9	105.8	103.0	98.0	95.2
92.5°	251.4	213.4	154.3	122.3	109.4	103.0	98.4	93.4	89.7	83.3	82.0
95°	199.2	171.7	130.0	107.1	97.1	91.6	87.5	82.0	76.9	70.5	69.1
97.5°	157.5	140.1	109.4	93.9	85.6	81.0	76.9	71.4	65.9	59.5	58.6
100°	125.9	112.6	93.9	82.0	76.5	71.9	67.8	62.7	55.9	49.5	49.5
102.5°	101.2	92.5	78.8	71.9	67.3	63.6	60.0	54.9	47.6	40.8	40.8
105°	82.0	76.5	67.8	62.7	59.5	56.8	53.1	47.2	39.8	34.3	34.3
107.5°	67.3	63.2	58.2	54.5	52.7	49.9	46.7	40.8	33.9	28.8	28.8



REPORT NUMBER: P415004

CATALOG NUMBER: LXF.LXT-PA1-40-727-U-T3-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	55.9	53.1	49.5	48.1	46.7	44.4	40.8	35.3	28.4	24.7	24.7
112.5°	46.7	45.3	42.6	42.1	41.2	39.4	35.7	30.2	23.8	21.5	21.5
115°	39.8	38.9	37.1	37.1	36.2	34.8	31.1	26.1	20.6	18.3	18.8
117.5°	33.9	33.4	32.5	32.5	32.1	30.7	27.0	22.4	17.4	16.5	16.5
120°	29.8	29.3	28.8	28.4	28.4	26.6	23.4	18.8	15.1	14.7	14.7
122.5°	25.6	25.6	25.2	25.2	24.7	22.9	20.1	16.0	13.3	12.8	12.8
125°	22.4	22.4	22.0	22.0	21.5	20.1	17.4	13.7	11.4	11.4	11.4
127.5°	19.7	19.7	19.2	19.2	18.8	16.9	14.7	11.4	10.1	10.1	10.5
130°	17.4	17.4	16.9	16.5	16.0	14.7	11.9	9.6	8.7	9.2	9.2
132.5°	15.1	14.7	14.7	14.2	13.3	11.9	10.1	8.2	7.8	8.2	8.2
135°	12.8	12.8	12.4	11.9	11.0	10.1	8.2	6.9	6.9	7.3	7.3
137.5°	11.0	11.0	10.5	9.6	9.2	7.8	6.4	5.5	6.0	6.4	6.4
140°	8.7	9.2	8.7	7.8	6.9	6.0	5.0	4.6	5.0	5.5	6.0
142.5°	7.3	7.3	6.9	6.0	5.0	4.1	3.7	3.7	4.6	5.0	5.0
145°	5.5	5.5	5.0	4.6	3.2	2.7	2.3	3.2	3.7	4.1	4.1
147.5°	3.7	3.7	3.7	2.7	1.8	1.4	1.4	2.3	3.2	3.2	3.2
150°	2.3	2.3	2.3	1.8	0.9	0.5	0.9	1.8	2.3	2.7	2.7
152.5°	1.4	1.4	1.4	0.9	0.5	0.0	0.5	1.4	1.8	1.8	1.8
155°	0.9	0.9	0.9	0.5	0.5	0.0	0.5	0.9	1.4	1.4	1.4
157.5°	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.9	0.9	0.9	0.9
160°	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.5	0.9	0.5	0.5
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)