

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: P415117

Luminaire Tested: **LXF.LXT-PA1-40-740-U-T4W-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415117
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-18)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-40-740-U-T4W-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4614 lumens
Efficiency: N/A
Efficacy: 115.4 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

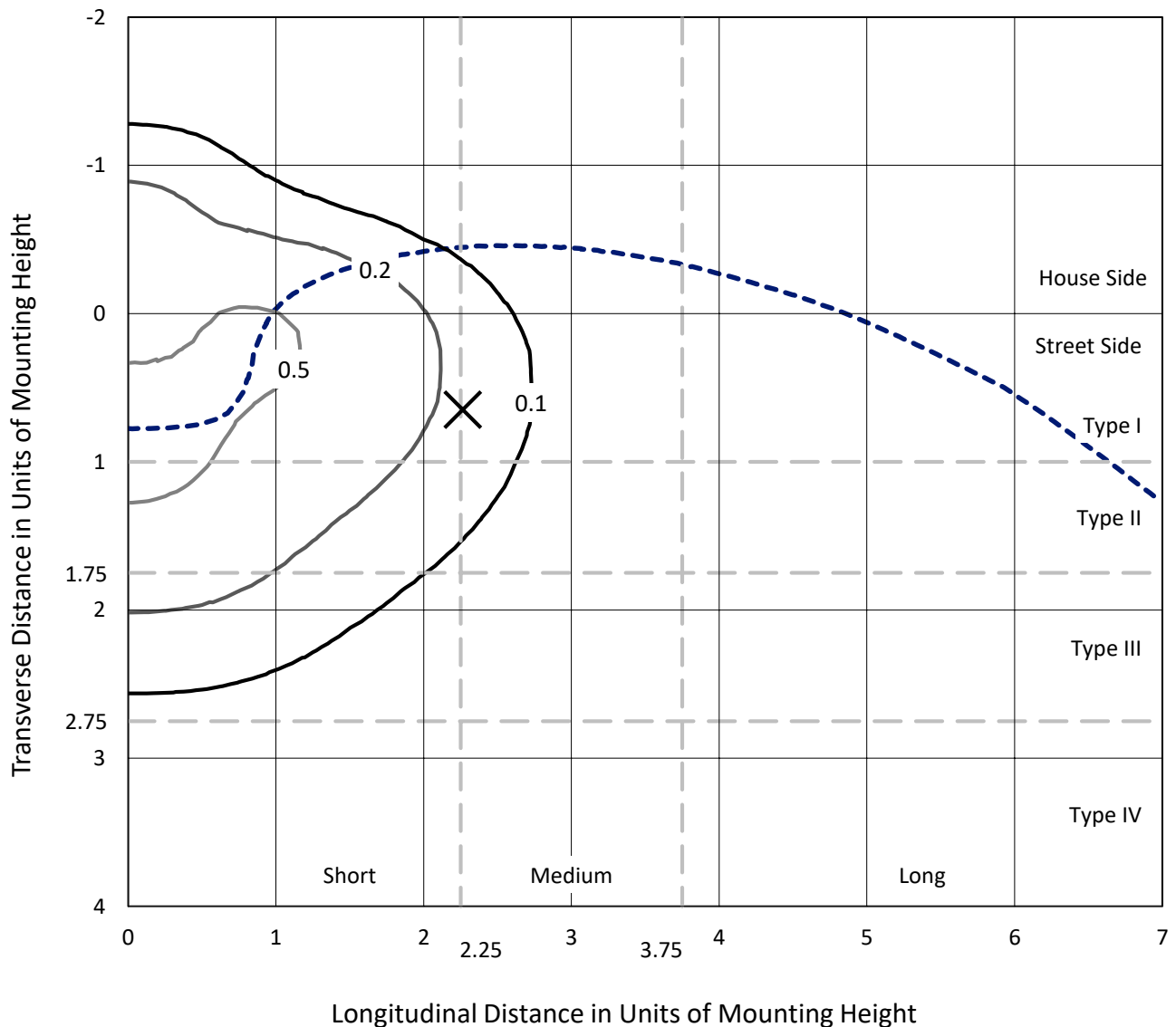


REPORT NUMBER: P415117

CATALOG NUMBER: LXF.LXT-PA1-40-740-U-T4W-FL

Iso-Footcandle Lines of Horizontal Illumination

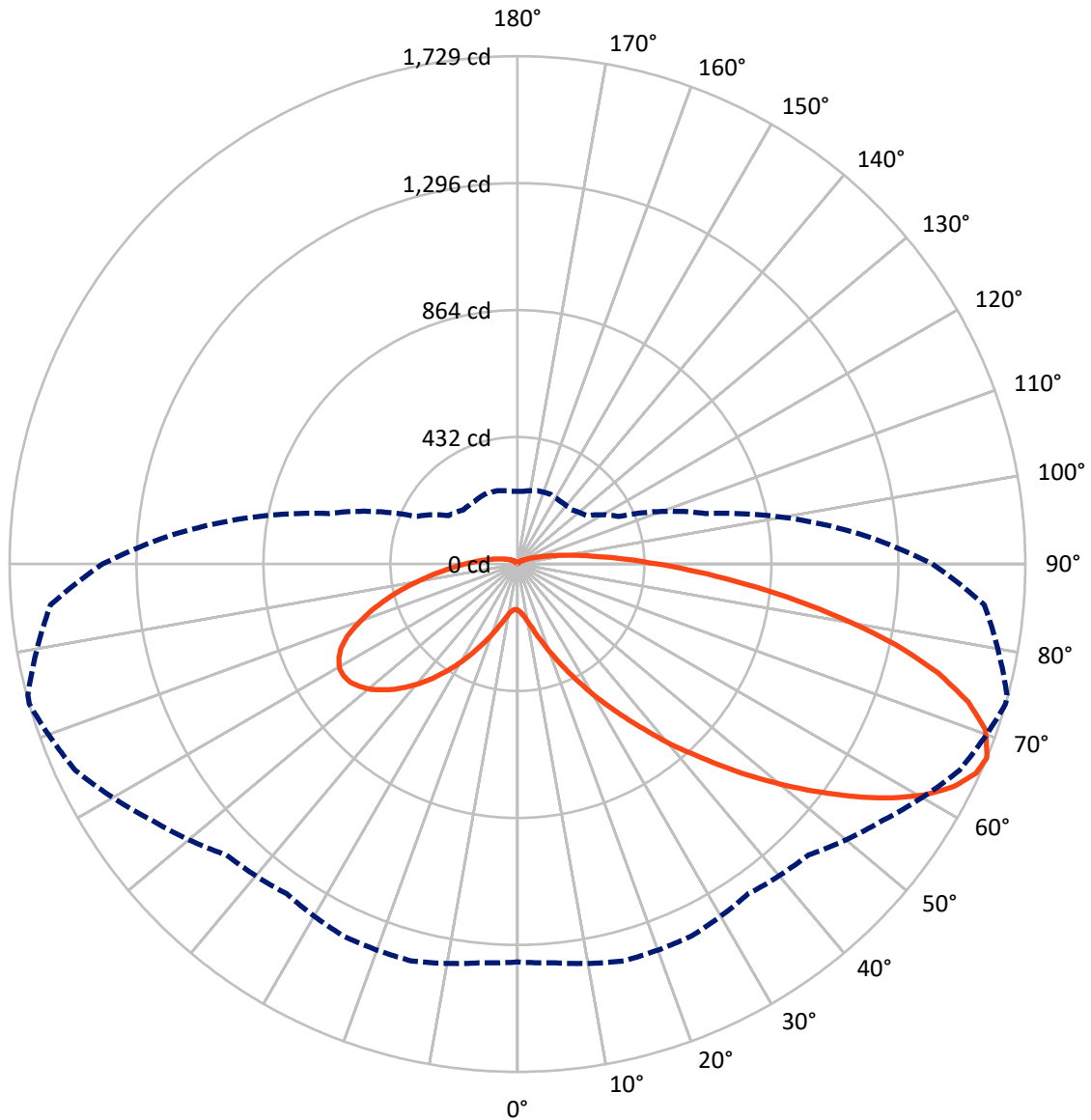
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P415117
CATALOG NUMBER: LXF.LXT-PA1-40-740-U-T4W-FL

Luminous Intensity Polar Plot



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



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CATALOG NUMBER: LXF.LXT-PA1-40-740-U-T4W-FL

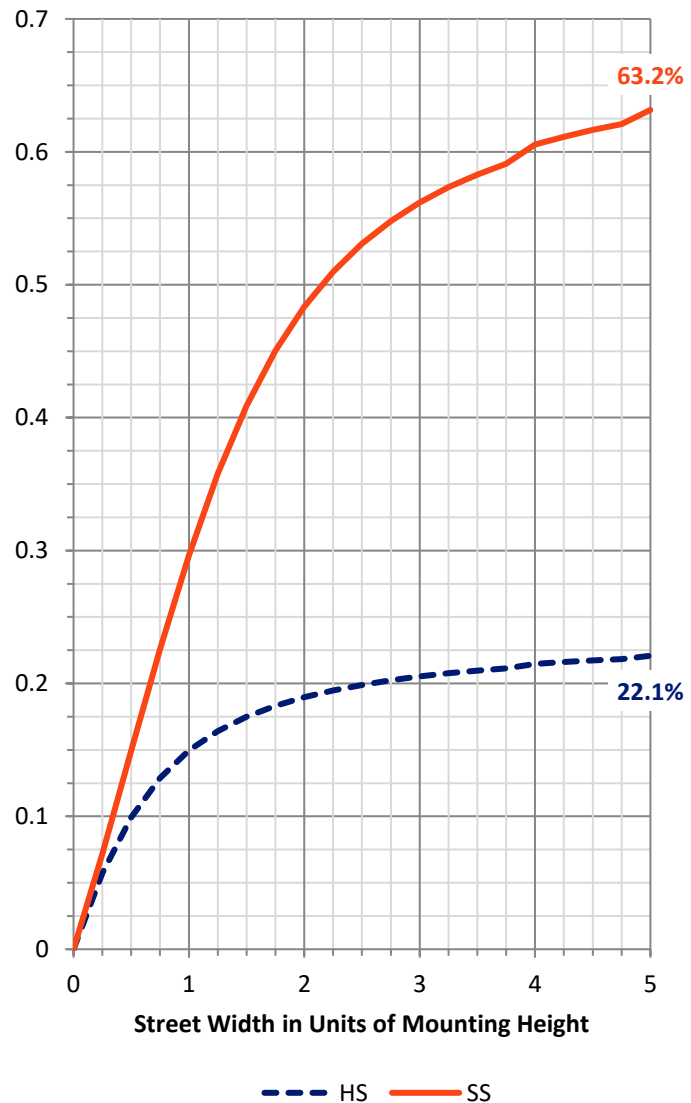
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1075.9	129.3	1205.3
	% Fixture	23.3	2.8	26.1
Street Side	Lumens	3113.7	295.0	3408.8
	% Fixture	67.5	6.4	73.9
Total	Lumens	4189.7	424.3	4614.0
	% Fixture	90.8	9.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.4	0.4
10°-20°	67.2	1.5
20°-30°	167.0	3.6
30°-40°	326.1	7.1
40°-50°	539.3	11.7
50°-60°	781.6	16.9
60°-70°	946.0	20.5
70°-80°	841.0	18.2
80°-90°	505.2	10.9
90°-100°	231.9	5.0
100°-110°	103.3	2.2
110°-120°	49.3	1.1
120°-130°	24.4	0.5
130°-140°	11.2	0.2
140°-150°	3.7	0.1
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4189.7	90.8
0°-180°	4614.0	100.0



REPORT NUMBER: P415117

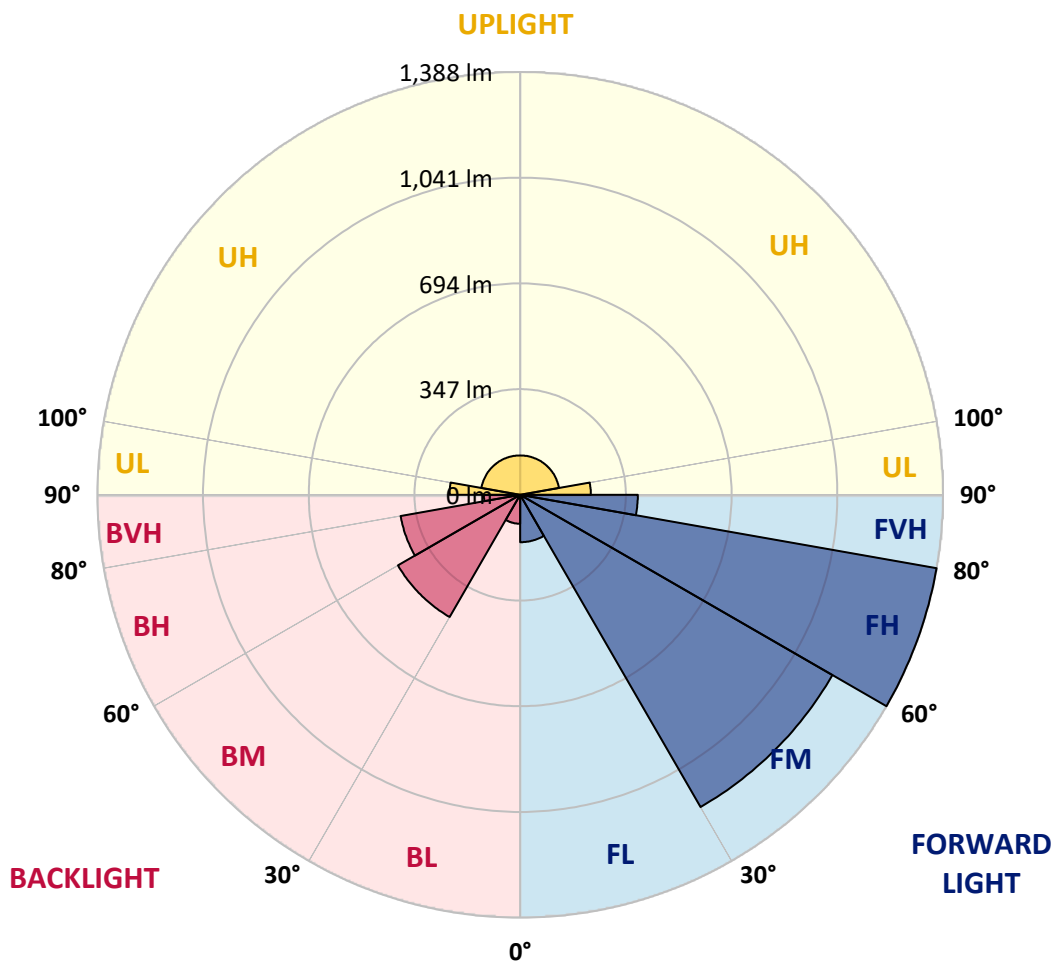
CATALOG NUMBER: LXF.LXT-PA1-40-740-U-T4W-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	155.6	3.4			
FM	(30°-60°)	1183.8	25.7			
FH	(60°-80°)	1388.3	30.1			G1/1800
FVH	(80°-90°)	386.1	8.4			G3/500
BL	(0°-30°)	95.0	2.1	B0/110		
BM	(30°-60°)	463.1	10.0	B1/1000		
BH	(60°-80°)	398.7	8.6	B1/500		G1/500
BVH	(80°-90°)	119.1	2.6			G2/225
UL	(90°-100°)	231.9	5.0		U3/500	
UH	(100°-180°)	129.3	2.8		U3/500	

BUG Rating: B1-U3-G3

Type IV Medium





REPORT NUMBER: P415117

CATALOG NUMBER: LXF.LXT-PA1-40-740-U-T4W-FL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	157.1	157.1	157.1	157.1	157.1	157.1	157.1	157.1	157.1	157.1	157.1
2.5°	173.6	171.9	171.9	170.8	170.3	168.6	167.6	163.7	162.1	162.1	159.3
5°	192.2	191.1	188.9	188.9	186.7	184.5	180.1	175.2	171.4	170.8	165.9
7.5°	215.2	212.5	212.5	209.7	206.4	202.6	196.6	190.0	184.0	183.4	175.8
10°	241.5	240.4	239.3	235.4	231.1	223.4	217.9	208.6	201.5	201.0	190.5
12.5°	273.8	272.1	268.8	265.0	257.3	251.9	242.0	231.6	222.3	222.9	210.8
15°	308.8	307.7	305.5	299.5	290.8	283.1	273.2	262.3	253.0	249.1	236.5
17.5°	348.8	346.6	343.9	337.3	327.4	319.8	306.6	296.2	284.2	284.7	266.7
20°	395.9	393.7	389.9	379.5	370.7	360.3	346.6	335.1	321.4	320.3	302.2
22.5°	442.4	443.5	434.2	423.3	415.0	403.0	389.9	375.1	363.0	361.9	341.1
25°	499.9	496.1	486.8	474.2	461.6	446.8	435.3	422.2	410.7	409.6	384.9
27.5°	560.1	556.9	544.3	528.4	511.4	495.0	485.1	471.4	462.7	461.0	435.9
30°	625.9	620.4	608.9	587.5	564.0	545.4	535.5	530.6	522.4	520.2	494.4
32.5°	699.8	692.7	675.7	649.9	616.0	595.2	590.8	586.4	583.1	579.9	555.8
35°	773.1	771.0	745.8	714.0	680.6	653.2	645.6	652.7	650.5	648.3	622.6
37.5°	850.3	854.2	826.8	785.2	739.2	710.2	704.7	717.8	723.9	723.9	693.2
40°	941.2	938.0	910.6	859.7	806.0	772.0	773.7	793.4	808.2	804.9	774.8
42.5°	1031.6	1024.5	988.3	938.5	870.6	836.7	836.7	866.8	889.2	889.8	858.0
45°	1120.3	1112.6	1078.7	1013.5	939.6	902.9	910.6	947.3	984.0	979.0	947.8
47.5°	1201.3	1198.0	1163.0	1093.5	1010.2	971.9	987.2	1042.0	1082.0	1082.0	1047.5
50°	1280.7	1276.3	1243.5	1165.2	1081.4	1043.6	1066.6	1133.4	1184.4	1187.1	1147.1
52.5°	1349.2	1346.4	1315.8	1238.0	1151.5	1113.2	1147.7	1231.4	1290.0	1296.1	1253.9
55°	1398.4	1400.1	1376.5	1302.6	1215.0	1183.3	1230.4	1328.9	1398.4	1399.5	1354.1
57.5°	1434.6	1436.8	1420.9	1356.8	1270.9	1246.8	1310.3	1423.1	1501.9	1506.9	1447.2
60°	1449.9	1453.8	1448.8	1395.2	1320.7	1305.4	1382.0	1507.4	1595.0	1596.7	1524.9
62.5°	1441.7	1445.5	1455.4	1417.1	1356.8	1356.3	1451.6	1580.8	1667.8	1670.0	1584.1
65°	1404.5	1410.5	1435.1	1417.1	1370.0	1388.0	1497.6	1637.2	1715.5	1718.2	1607.1
67°	1354.6	1362.3	1398.4	1397.9	1370.0	1400.6	1520.0	1660.7	1728.6	1725.3	1595.0
67.5°	1343.1	1350.8	1387.0	1392.4	1366.1	1402.3	1522.7	1663.5	1723.7	1723.1	1587.4
70°	1245.7	1259.4	1311.9	1338.2	1337.7	1389.1	1521.6	1648.7	1690.3	1684.8	1523.3
72.5°	1133.4	1150.4	1214.5	1264.8	1281.3	1348.1	1481.7	1590.1	1603.8	1597.2	1403.4
75°	1017.9	1027.2	1094.0	1165.7	1207.4	1278.5	1406.7	1497.0	1477.8	1462.0	1253.3
77.5°	895.8	899.6	974.1	1054.6	1105.0	1187.1	1295.0	1360.7	1313.6	1300.4	1082.5
80°	754.0	769.9	844.3	928.1	990.5	1065.0	1155.9	1195.3	1116.5	1104.4	900.7
82.5°	637.9	647.8	715.7	797.8	867.9	938.0	997.1	1007.5	924.8	916.1	723.9
85°	520.7	529.5	600.7	676.8	742.5	801.1	840.5	825.2	739.2	729.9	572.2
87.5°	430.9	437.5	486.8	564.0	622.0	664.2	685.0	665.8	583.7	570.5	441.9
90°	341.7	351.5	395.9	461.0	520.2	547.6	549.7	518.0	450.6	440.8	338.4
92.5°	276.0	282.5	324.7	378.9	425.4	446.3	440.8	413.9	352.1	340.6	261.7
95°	223.4	228.9	263.9	311.6	349.3	368.5	353.2	317.6	268.8	264.5	202.0
97.5°	185.6	186.7	214.1	256.8	286.9	296.8	284.7	252.4	210.3	201.5	155.0
100°	151.7	152.8	175.8	208.1	235.4	242.0	230.0	198.8	163.2	157.7	121.6
102.5°	123.2	125.9	143.5	172.5	192.7	197.7	185.1	157.7	125.9	122.1	94.7
105°	104.6	105.1	120.5	142.4	160.4	164.3	151.7	128.1	99.1	96.9	75.6
107.5°	88.7	88.7	100.7	119.9	134.2	136.3	126.5	104.6	78.3	76.1	61.3



REPORT NUMBER: P415117

CATALOG NUMBER: LXF.LXT-PA1-40-740-U-T4W-FL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	76.1	76.7	85.4	100.7	113.9	115.5	105.7	83.8	62.4	60.8	49.8
112.5°	66.3	67.3	73.4	85.4	96.9	98.6	88.7	68.4	50.9	48.7	41.6
115°	58.6	59.1	63.5	73.4	82.7	83.8	73.9	56.4	41.1	39.4	35.0
117.5°	52.0	52.6	55.9	64.1	71.2	71.7	61.9	46.5	34.5	32.9	30.7
120°	47.1	47.1	49.8	55.3	61.3	61.3	52.0	38.3	28.5	27.9	26.3
122.5°	42.7	42.7	44.4	48.2	52.6	51.5	43.3	31.8	24.1	23.5	23.0
125°	38.9	38.9	40.0	42.2	44.9	43.3	35.6	26.3	20.8	20.3	20.3
127.5°	35.0	35.0	35.6	37.2	37.8	36.1	29.6	21.9	18.1	17.5	18.1
130°	31.8	31.8	31.8	31.8	31.8	30.7	24.1	18.1	15.3	15.3	15.9
132.5°	28.5	28.5	27.9	27.4	26.8	24.6	19.7	14.8	13.7	13.7	14.2
135°	25.2	25.2	24.6	23.5	21.9	19.2	14.8	12.0	11.5	11.5	12.0
137.5°	21.9	21.9	21.4	19.7	17.5	14.8	11.5	9.9	9.9	9.9	10.4
140°	18.6	18.6	18.1	16.4	13.7	11.0	8.8	7.7	8.2	8.2	8.8
142.5°	15.9	15.3	14.8	13.1	10.4	7.7	6.0	6.0	6.6	6.6	7.1
145°	12.6	12.0	11.5	9.9	7.7	5.5	4.4	4.4	4.9	4.9	5.5
147.5°	9.9	9.3	8.8	7.1	5.5	3.8	2.7	3.3	3.8	3.8	3.8
150°	6.6	6.6	6.6	5.5	3.3	2.2	1.6	2.2	2.2	2.2	2.7
152.5°	4.4	4.4	4.4	3.3	2.2	1.1	1.1	1.1	1.6	1.6	1.6
155°	2.7	2.7	2.7	2.2	1.1	0.5	0.5	0.5	1.1	1.1	1.1
157.5°	1.1	1.1	1.1	1.1	1.1	0.5	0.0	0.5	0.5	0.5	0.5
160°	0.5	0.5	1.1	1.1	1.1	0.5	0.0	0.0	0.5	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



REPORT NUMBER: P415117

CATALOG NUMBER: LXF.LXT-PA1-40-740-U-T4W-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	157.1	157.1	157.1	157.1	157.1	157.1	157.1	157.1	157.1	157.1	157.1
2.5°	158.2	157.1	155.0	153.3	151.7	150.0	148.4	147.3	145.6	145.6	145.6
5°	163.7	161.0	156.6	153.3	149.5	146.7	143.5	141.3	139.6	139.1	139.1
7.5°	173.0	169.2	162.6	156.1	150.6	146.2	142.4	139.6	137.4	136.9	136.9
10°	186.2	181.2	170.8	163.2	156.1	150.0	145.1	141.3	139.6	138.5	138.5
12.5°	205.3	198.8	186.7	173.6	164.3	156.6	150.6	148.9	148.9	149.5	148.9
15°	228.3	221.8	205.3	190.0	176.3	167.6	164.3	164.3	163.7	164.8	164.8
17.5°	257.3	248.0	228.3	208.1	192.2	184.0	180.7	179.6	180.7	182.3	181.2
20°	291.8	278.2	253.5	228.3	211.4	203.1	197.7	196.6	198.2	199.3	199.9
22.5°	328.0	313.2	282.0	249.7	232.2	221.2	215.2	213.5	216.3	219.0	219.6
25°	369.1	352.6	312.7	275.4	250.8	236.0	230.5	230.0	234.4	238.2	238.2
27.5°	418.9	397.0	346.1	303.3	271.6	251.9	245.9	246.4	252.4	255.7	256.8
30°	470.9	446.3	384.4	329.1	288.0	264.5	257.9	260.6	266.7	273.2	274.3
32.5°	529.5	500.5	421.6	354.8	302.8	274.3	267.2	272.7	279.3	286.9	288.0
35°	590.8	551.9	459.9	378.4	314.8	282.0	273.8	280.3	288.6	295.7	297.9
37.5°	660.3	614.4	501.6	397.5	324.2	286.4	277.6	285.3	294.6	301.7	302.2
40°	731.5	678.4	541.0	415.6	330.7	289.1	279.8	287.5	296.2	302.2	302.8
42.5°	806.0	743.6	577.7	430.4	334.0	289.1	278.7	286.4	294.6	297.9	298.4
45°	893.1	812.6	615.4	440.8	335.1	288.0	277.1	283.1	289.1	290.2	291.8
47.5°	980.7	881.0	647.8	448.4	334.6	285.3	274.3	279.3	283.1	282.0	283.6
50°	1073.2	955.5	679.0	453.4	331.8	282.5	270.5	274.9	276.0	272.7	272.7
52.5°	1161.9	1020.1	703.1	453.9	328.0	279.3	267.8	271.0	270.5	264.5	265.0
55°	1250.6	1089.1	723.3	449.0	322.5	276.0	265.0	267.2	265.6	258.4	257.3
57.5°	1326.7	1144.9	732.1	441.9	316.5	272.7	263.4	265.6	262.3	254.1	253.5
60°	1391.3	1188.2	732.6	432.0	309.4	269.9	261.7	264.5	261.7	251.9	250.8
62.5°	1431.3	1207.9	718.4	416.7	302.2	266.7	261.7	263.9	260.6	250.8	250.2
65°	1437.9	1198.0	695.4	399.2	294.0	263.4	260.6	263.4	260.1	249.7	248.6
67°	1412.1	1169.6	664.2	382.7	286.9	260.6	258.4	262.3	258.4	248.6	246.9
67.5°	1403.4	1156.4	657.1	380.5	285.3	259.5	257.9	261.2	257.9	248.0	246.4
70°	1326.7	1084.7	603.4	356.5	274.9	254.1	254.1	256.8	253.5	244.2	241.5
72.5°	1208.4	984.0	549.7	333.5	263.4	245.9	247.5	250.2	246.9	238.2	234.9
75°	1071.6	870.6	490.1	306.6	250.2	237.6	238.7	241.5	238.2	228.9	226.1
77.5°	919.3	739.7	429.8	282.0	236.5	226.7	227.2	228.9	226.1	216.8	214.1
80°	756.2	610.0	368.5	254.1	220.7	213.0	213.5	213.5	209.7	202.0	199.9
82.5°	609.4	495.5	314.3	229.4	203.1	197.7	197.7	197.1	192.2	185.6	182.3
85°	474.2	399.7	263.4	204.2	185.6	180.7	180.1	178.0	173.0	165.9	162.1
87.5°	371.8	316.5	221.8	180.1	168.1	164.8	161.5	156.6	152.8	146.7	143.5
90°	290.2	251.3	187.3	158.2	151.1	146.7	143.5	137.4	131.4	125.4	123.7
92.5°	227.2	198.8	156.1	138.0	133.6	130.3	125.9	119.4	113.9	106.8	107.3
95°	180.1	161.5	133.1	121.6	118.3	115.5	110.1	102.9	96.9	90.3	89.3
97.5°	141.3	128.7	111.7	105.7	104.6	101.3	95.8	88.7	82.1	75.0	75.0
100°	112.2	105.1	94.2	93.1	90.9	88.7	83.2	76.7	68.4	62.4	62.4
102.5°	90.3	84.3	80.5	80.5	79.9	77.8	72.3	65.7	57.5	51.5	51.5
105°	72.3	70.1	68.4	70.1	70.6	68.4	63.0	55.9	47.6	42.2	43.3
107.5°	60.2	58.6	58.6	60.8	61.9	59.7	54.8	47.1	39.4	35.6	35.6



REPORT NUMBER: P415117

CATALOG NUMBER: LXF.LXT-PA1-40-740-U-T4W-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	49.8	49.3	50.4	53.1	53.7	52.0	47.1	40.0	32.9	29.6	30.1
112.5°	42.2	41.6	43.8	46.5	47.1	45.4	40.5	33.9	27.4	25.2	25.2
115°	35.6	36.1	37.8	40.0	41.1	39.4	35.0	29.0	22.4	21.4	21.4
117.5°	30.7	31.2	32.9	35.6	36.1	33.9	29.6	24.1	19.2	18.6	18.6
120°	26.8	27.4	29.0	30.7	31.2	29.0	25.2	20.3	16.4	15.9	15.9
122.5°	23.5	24.6	25.7	26.8	27.4	25.2	21.9	17.0	13.7	13.7	14.2
125°	20.8	21.4	22.4	23.5	23.5	21.4	18.1	14.2	12.0	12.0	12.0
127.5°	18.6	18.6	19.2	20.3	20.3	18.6	15.3	11.5	10.4	10.4	11.0
130°	16.4	17.0	17.0	17.0	17.0	15.3	12.6	9.9	8.8	9.3	9.3
132.5°	14.2	14.8	14.8	14.8	14.2	12.6	10.4	8.2	7.7	8.2	8.2
135°	12.6	12.6	12.6	12.6	11.5	10.4	8.2	6.6	6.6	7.1	7.1
137.5°	11.0	11.0	11.0	10.4	9.3	8.2	6.6	5.5	5.5	6.0	6.0
140°	8.8	9.3	8.8	8.2	7.1	6.0	4.9	4.4	4.9	4.9	4.9
142.5°	7.1	7.1	7.1	6.6	5.5	4.4	3.8	3.3	3.8	3.8	4.4
145°	5.5	5.5	5.5	4.9	3.8	2.7	2.7	2.7	3.3	3.3	3.3
147.5°	3.8	3.8	3.8	3.3	2.2	1.6	1.6	1.6	2.2	2.2	2.2
150°	2.7	2.7	2.7	2.2	1.1	0.5	0.5	1.1	1.6	1.6	1.6
152.5°	1.6	1.6	1.6	1.1	0.5	0.0	0.5	1.1	1.1	0.5	0.5
155°	1.1	1.1	1.1	1.1	0.5	0.0	0.5	0.5	0.5	0.0	0.0
157.5°	1.1	1.1	0.5	0.5	0.0	0.0	0.0	0.5	0.0	0.0	0.0
160°	0.5	0.5	0.5	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)