

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: P415324

Luminaire Tested: **LXF.LXT-PA1-40-830-U-T4W-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415324
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-13)
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-T4W-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3915 lumens
Efficiency: N/A
Efficacy: 97.9 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 - G2

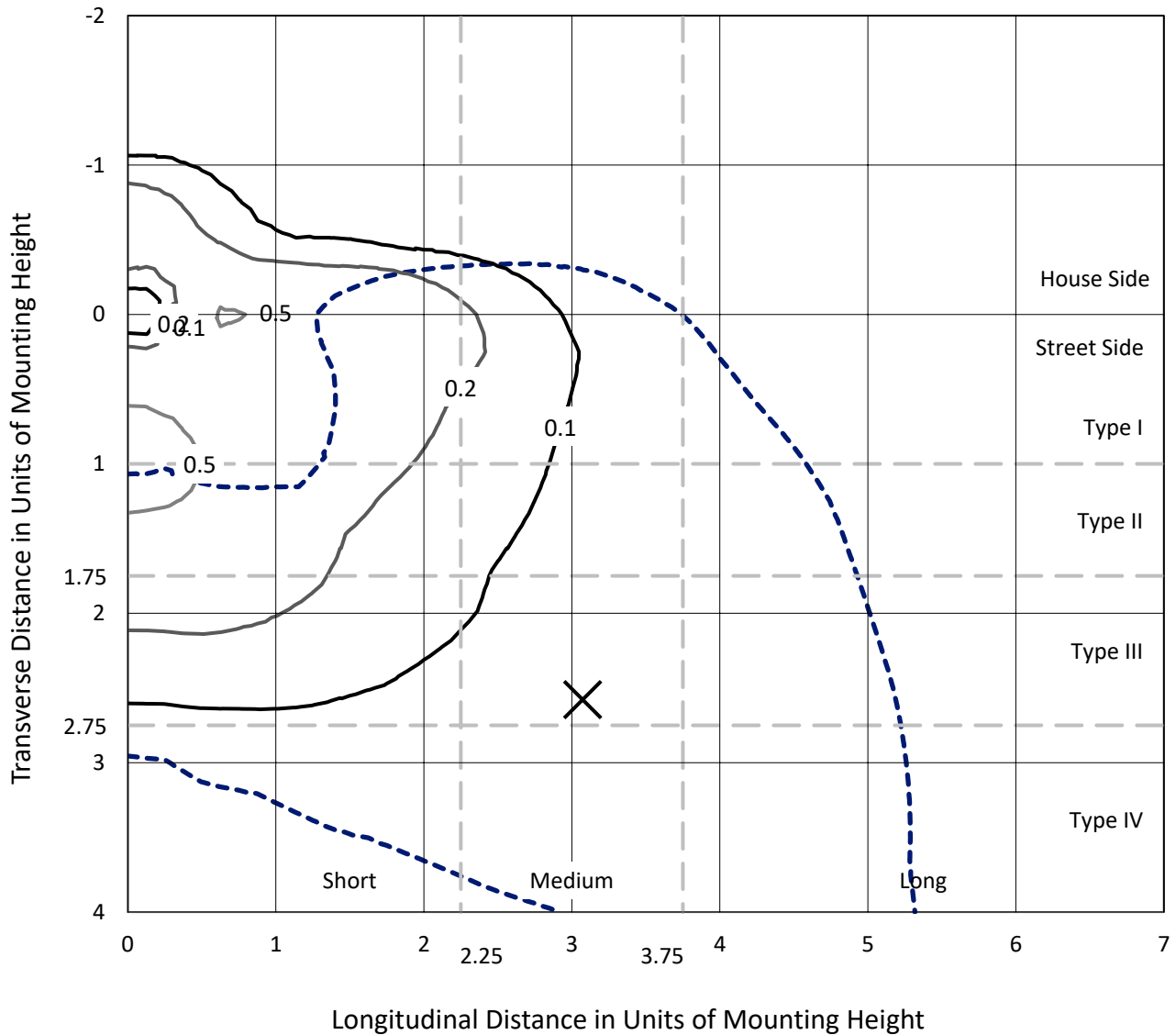
Input Watts (W): 40
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P415324
 CATALOG NUMBER: LXF.LXT-PA1-40-830-U-T4W-CL

Iso-Footcandle Lines of Horizontal Illumination

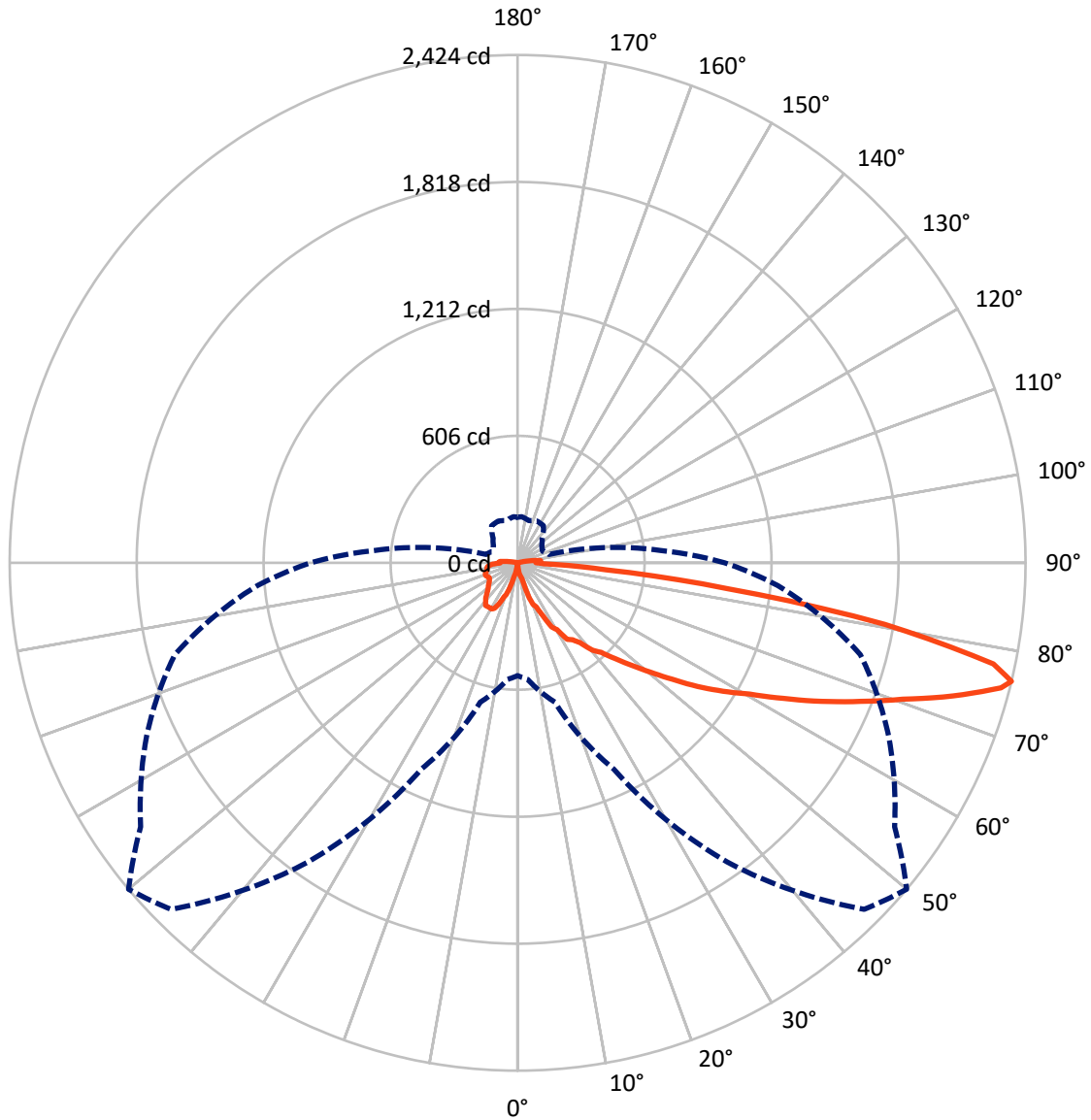
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P415324
CATALOG NUMBER: LXF.LXT-PA1-40-830-U-T4W-CL

Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral - - - Horizontal Cone Through 76-Deg Vertical

REPORT NUMBER: P415324

CATALOG NUMBER: LXF.LXT-PA1-40-830-U-T4W-CL

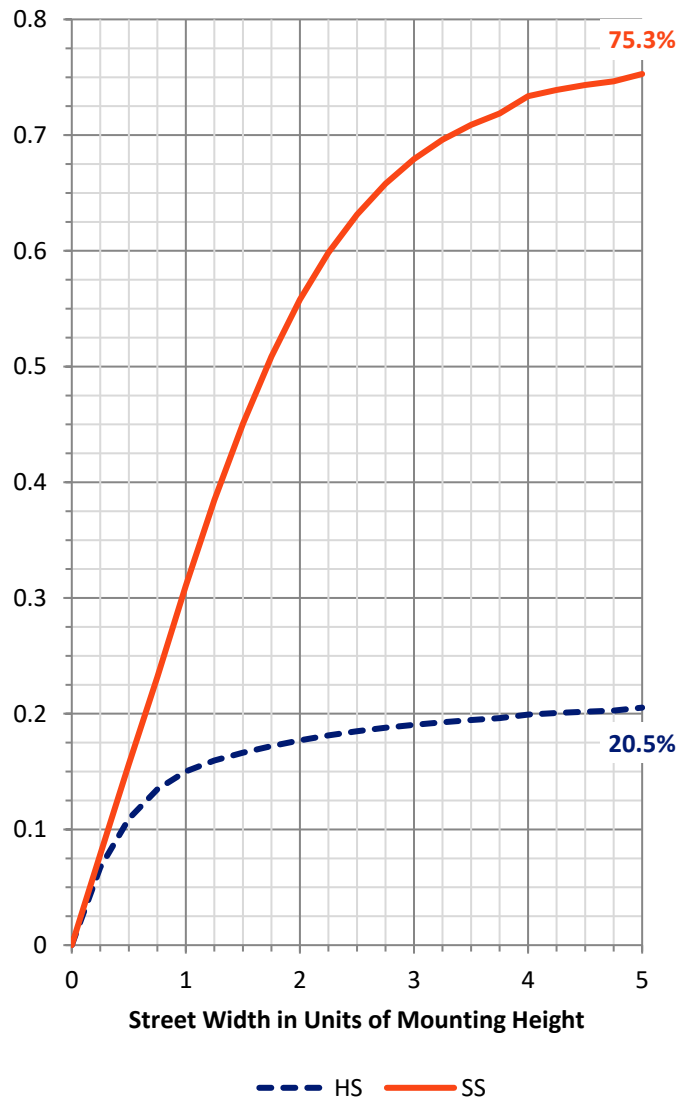
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	854.5	48.1	902.6
	% Fixture	21.8	1.2	23.1
Street Side	Lumens	2973.7	38.6	3012.4
	% Fixture	76.0	1.0	76.9
Total	Lumens	3828.2	86.8	3915.0
	% Fixture	97.8	2.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.2	0.1
10°-20°	32.7	0.8
20°-30°	127.7	3.3
30°-40°	274.9	7.0
40°-50°	447.9	11.4
50°-60°	721.0	18.4
60°-70°	1050.2	26.8
70°-80°	937.0	23.9
80°-90°	234.7	6.0
90°-100°	68.7	1.8
100°-110°	10.2	0.3
110°-120°	2.9	0.1
120°-130°	2.0	0.1
130°-140°	1.3	0.0
140°-150°	1.1	0.0
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3828.2	97.8
0°-180°	3915.0	100.0

Coefficient of Utilization



REPORT NUMBER: P415324

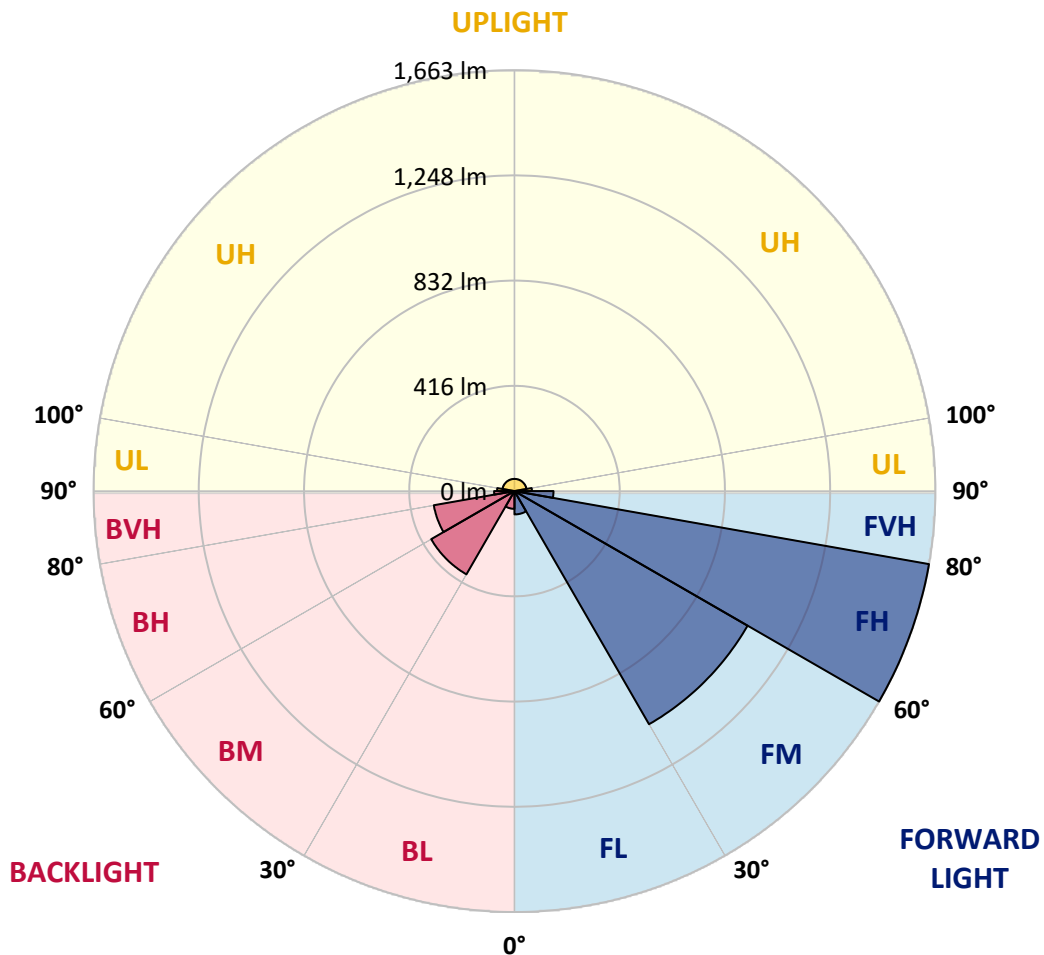
CATALOG NUMBER: LXF.LXT-PA1-40-830-U-T4W-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	92.3	2.4			
FM (30°-60°)	1063.8	27.2			
FH (60°-80°)	1663.5	42.5			G1/1800
FVH (80°-90°)	154.1	3.9			G2/225
BL (0°-30°)	70.2	1.8	B0/110		
BM (30°-60°)	379.9	9.7	B1/1000		
BH (60°-80°)	323.7	8.3	B1/500		G1/500
BVH (80°-90°)	80.6	2.1			G1/100
UL (90°-100°)	68.7	1.8		U3/500	
UH (100°-180°)	48.1	1.2		U2/50	

BUG Rating: B1-U3-G2

Type IV Medium





REPORT NUMBER: P415324

CATALOG NUMBER: LXF.LXT-PA1-40-830-U-T4W-CL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
2.5°	5.7	4.4	3.9	3.5	3.5	3.0	3.0	2.6	2.6	2.6	2.6
5°	54.8	53.1	49.2	45.7	15.7	13.1	10.9	8.3	3.0	3.0	2.6
7.5°	65.7	64.4	61.8	60.0	57.4	53.5	49.2	23.1	9.1	3.5	3.0
10°	86.1	79.6	74.4	70.1	67.0	60.5	58.7	55.3	15.2	6.5	4.8
12.5°	154.0	150.5	145.3	98.8	81.4	69.6	67.0	64.0	49.6	23.5	42.2
15°	169.7	166.2	161.0	154.5	144.9	85.7	80.5	100.1	127.9	96.2	100.5
17.5°	199.3	197.5	183.6	167.9	158.4	168.4	168.8	153.2	145.3	127.0	115.7
20°	276.3	274.5	266.7	226.7	179.3	212.8	211.9	204.1	163.2	187.5	201.9
22.5°	287.6	285.4	278.5	267.6	283.7	233.2	227.6	227.6	240.6	255.0	237.6
25°	378.5	376.4	323.3	281.5	304.1	277.6	278.5	308.0	266.3	279.8	267.1
27.5°	395.5	392.5	388.1	360.3	320.2	351.6	346.8	330.7	346.3	386.4	372.9
30°	461.6	428.1	413.8	397.7	378.1	372.4	370.3	399.4	410.7	408.1	412.0
32.5°	535.6	534.3	520.4	424.2	427.7	400.3	435.5	448.6	431.2	495.6	536.9
35°	643.5	599.1	572.2	508.2	445.1	462.9	450.8	464.2	523.9	529.9	569.5
37.5°	808.8	806.2	744.5	560.8	513.4	473.8	482.5	519.9	559.1	567.8	621.3
40°	945.5	932.8	893.7	699.2	558.2	512.5	547.4	539.1	580.4	610.9	662.2
42.5°	1046.8	1058.6	1036.4	809.3	648.3	573.9	584.3	573.5	611.7	668.7	721.0
45°	1143.9	1139.1	1154.3	921.1	734.9	652.6	651.8	625.2	669.2	733.1	801.9
47.5°	1223.1	1216.1	1231.8	1042.5	834.5	724.0	730.1	695.7	737.9	813.6	922.0
50°	1311.4	1297.9	1308.3	1144.3	964.6	827.1	818.9	792.3	816.2	919.4	1068.6
52.5°	1417.5	1408.0	1389.3	1245.7	1098.6	933.3	922.8	897.2	923.3	1050.8	1230.9
55°	1512.8	1502.0	1486.7	1385.3	1210.0	1041.2	1041.6	1016.0	1066.9	1194.3	1419.3
57.5°	1612.0	1606.8	1614.6	1541.5	1369.2	1153.9	1156.5	1140.8	1232.2	1341.8	1619.0
60°	1694.3	1686.4	1729.9	1701.2	1510.7	1282.7	1272.2	1289.2	1401.0	1495.9	1821.3
62.5°	1725.6	1730.8	1813.0	1848.3	1647.7	1421.5	1425.4	1448.4	1557.2	1680.3	2016.2
65°	1578.5	1596.8	1826.5	1874.0	1800.4	1575.5	1594.2	1590.3	1717.3	1816.1	2180.7
67.5°	1418.9	1439.7	1689.5	1880.5	1918.8	1756.5	1766.1	1727.3	1855.3	1900.9	2303.4
70°	1305.7	1321.8	1527.2	1843.5	1991.4	1945.3	1949.7	1877.9	1955.3	2000.6	2299.1
72.5°	1109.9	1126.9	1316.6	1703.8	2036.7	2174.2	2174.2	2015.8	2036.3	1998.4	2030.2
75°	750.1	756.6	912.0	1322.7	1919.6	2360.8	2383.5	2166.3	2008.4	1815.2	1514.1
76°	538.6	558.7	688.8	1086.0	1743.4	2339.5	2424.4	2196.8	1954.0	1693.8	1246.1
77.5°	285.4	303.7	406.4	695.3	1414.1	2175.5	2322.1	2103.3	1781.7	1454.1	921.5
80°	111.8	110.5	139.7	247.6	716.2	1654.7	1776.9	1550.2	1205.2	842.3	437.7
82.5°	61.3	67.4	88.8	131.0	310.7	912.8	1003.8	818.0	615.2	388.5	255.8
85°	39.2	40.0	52.2	80.9	191.9	384.6	422.5	350.3	288.0	238.4	181.9
87.5°	23.5	24.4	27.4	37.4	94.9	113.1	123.6	145.3	165.3	164.0	157.1
90°	16.1	16.1	13.5	14.8	44.4	90.5	87.0	92.7	84.4	107.0	151.4
92.5°	15.7	15.7	13.1	13.5	37.9	100.5	100.9	100.5	89.2	109.2	159.2
95°	13.9	14.4	11.3	11.7	27.8	94.0	110.5	107.0	90.1	110.1	158.8
97.5°	11.7	12.2	8.7	10.0	18.7	63.5	82.2	84.0	56.1	55.7	71.8
100°	8.7	9.1	6.1	7.8	11.3	29.2	43.9	41.3	27.8	15.2	10.0
102.5°	8.3	8.7	5.2	6.1	7.0	10.0	16.1	12.2	10.4	8.7	8.7
105°	9.1	9.1	4.8	4.4	4.4	4.8	3.9	5.7	6.1	6.5	9.1
107.5°	7.8	8.3	3.5	3.5	3.0	3.0	2.6	2.6	3.5	5.7	10.0



REPORT NUMBER: P415324

CATALOG NUMBER: LXF.LXT-PA1-40-830-U-T4W-CL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
110°	6.1	6.1	3.0	3.0	2.2	2.6	2.6	2.2	3.0	4.4	7.8
112.5°	3.5	3.9	1.7	2.6	1.7	2.2	2.2	1.7	2.6	3.0	4.4
115°	3.5	3.5	1.7	1.3	1.3	1.3	1.7	1.7	2.2	3.0	4.8
117.5°	3.5	3.5	1.7	1.3	0.9	1.3	1.3	1.3	2.2	3.0	4.8
120°	3.5	3.5	1.7	0.9	0.9	0.9	0.9	1.3	2.2	3.0	4.8
122.5°	3.9	3.5	1.7	0.9	0.9	0.9	0.9	1.3	2.2	3.0	4.4
125°	3.9	3.5	1.7	0.9	0.9	0.9	0.9	1.3	1.7	2.6	3.9
127.5°	3.9	3.5	1.7	0.9	0.9	0.9	0.9	1.3	1.7	2.6	3.5
130°	3.5	3.5	1.7	0.9	0.9	0.9	0.9	1.3	1.7	2.6	3.5
132.5°	3.5	3.0	1.7	0.9	0.9	0.9	0.9	1.3	1.7	2.2	3.0
135°	3.0	2.6	1.7	0.9	1.3	0.9	1.3	1.3	1.7	2.2	2.6
137.5°	2.6	2.6	1.7	1.3	1.3	1.3	1.3	1.3	1.7	2.2	2.2
140°	3.0	2.6	1.7	1.7	1.3	1.3	1.3	1.3	1.7	2.2	2.2
142.5°	3.5	3.0	2.2	1.7	1.7	1.3	1.3	1.7	1.7	2.2	2.2
145°	3.5	3.5	2.6	2.2	1.3	1.3	1.3	1.7	2.2	2.2	2.6
147.5°	3.9	3.5	2.6	2.2	1.3	0.9	1.3	1.3	2.2	2.6	2.6
150°	3.5	3.5	2.2	1.7	0.9	0.4	0.9	1.3	2.2	2.6	2.6
152.5°	2.6	2.6	1.7	0.9	0.4	0.4	0.9	1.3	1.7	2.2	2.6
155°	1.7	1.7	0.9	0.4	0.0	0.4	0.4	0.9	1.3	1.7	2.2
157.5°	0.9	0.9	0.4	0.0	0.0	0.4	0.4	0.9	1.3	1.7	1.7
160°	0.4	0.0	0.0	0.0	0.0	0.4	0.4	0.9	0.9	1.3	1.3
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: P415324

CATALOG NUMBER: LXF.LXT-PA1-40-830-U-T4W-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
2.5°	2.6	2.2	2.2	1.7	1.7	1.3	1.3	1.3	1.3	1.7	2.2
5°	2.6	2.6	2.2	2.2	2.2	1.7	1.7	2.6	3.0	3.5	3.5
7.5°	2.6	2.6	2.6	2.2	2.6	3.5	13.9	40.0	43.9	46.6	47.4
10°	4.8	4.4	3.9	3.5	6.5	44.4	54.8	59.6	61.8	64.0	64.0
12.5°	45.7	45.7	18.7	10.4	44.8	59.6	62.7	66.1	69.2	72.2	72.7
15°	99.2	97.9	94.4	86.6	74.8	67.4	70.5	104.4	122.7	131.0	129.7
17.5°	113.6	111.8	109.6	124.9	130.1	104.0	121.4	134.9	138.8	143.1	142.7
20°	210.6	208.4	162.3	145.3	142.3	174.5	138.8	141.8	148.8	189.7	191.0
22.5°	235.8	233.2	217.1	221.5	166.2	189.3	183.2	191.9	214.1	220.6	221.5
25°	276.3	265.8	246.3	231.5	235.4	197.5	228.0	213.6	221.9	229.7	231.0
27.5°	382.5	376.4	341.6	259.3	240.2	247.1	237.6	232.3	277.6	294.1	295.4
30°	412.0	405.9	362.4	300.2	253.2	253.2	239.3	289.8	291.9	300.7	302.8
32.5°	560.0	547.8	460.8	305.0	262.8	241.9	271.1	285.4	320.2	346.3	350.7
35°	594.3	583.9	475.6	348.5	254.1	251.9	255.8	300.7	326.3	342.0	345.5
37.5°	630.0	618.3	473.8	332.0	269.3	240.2	248.9	281.1	318.1	358.5	363.7
40°	678.8	664.4	476.0	310.7	252.4	227.1	233.6	269.8	295.0	320.2	324.6
42.5°	744.0	715.3	479.9	291.5	232.8	221.5	222.8	243.7	255.4	265.8	265.8
45°	831.9	785.3	481.2	271.5	213.2	208.4	210.2	219.7	224.1	217.5	214.5
47.5°	949.8	871.9	497.3	253.7	196.7	194.1	195.4	198.4	196.2	179.3	176.2
50°	1087.3	973.7	506.0	238.0	184.5	184.0	181.9	181.9	174.0	154.9	153.6
52.5°	1239.2	1095.1	513.4	218.9	175.8	178.0	178.0	168.8	157.1	141.8	140.5
55°	1431.9	1235.2	524.3	202.3	168.4	167.9	172.7	161.4	149.2	136.2	136.2
57.5°	1623.3	1383.6	537.3	188.0	160.1	161.0	167.9	158.8	152.3	147.1	146.6
60°	1814.8	1536.8	516.5	174.9	157.1	155.3	166.6	168.8	161.0	164.0	167.1
62.5°	1994.5	1634.7	432.5	163.6	151.4	154.0	178.0	191.4	188.8	185.8	186.7
65°	2079.3	1654.7	350.7	153.6	147.5	163.2	196.2	216.7	208.0	198.0	197.1
67.5°	2093.7	1602.9	258.0	147.5	145.3	179.3	210.6	222.3	209.3	205.4	201.9
70°	1992.7	1471.5	206.2	141.0	147.1	181.9	219.7	221.0	211.5	215.8	211.5
72.5°	1694.7	1225.7	180.6	134.9	147.5	175.3	219.7	221.5	210.6	223.2	221.0
75°	1213.5	859.3	160.6	129.7	142.7	167.9	216.7	221.0	208.0	221.9	218.4
76°	988.5	681.8	154.9	131.0	140.5	165.3	215.8	219.7	208.4	221.0	217.5
77.5°	653.1	445.5	145.3	130.1	136.6	164.0	213.6	218.0	208.0	218.4	214.9
80°	349.4	252.4	131.0	121.4	131.8	164.9	211.9	213.6	199.7	211.5	207.1
82.5°	230.2	188.0	113.1	110.1	127.0	166.2	211.0	208.4	192.7	211.5	199.7
85°	180.6	155.3	84.8	88.3	115.7	160.6	208.4	201.0	186.7	191.9	184.9
87.5°	153.2	127.9	50.9	63.1	101.4	136.6	184.9	166.2	157.9	163.2	160.1
90°	144.0	113.1	28.7	44.4	76.1	90.9	116.6	108.3	104.9	110.9	109.6
92.5°	145.3	110.5	28.3	42.2	81.4	97.9	120.5	110.9	100.5	100.5	99.2
95°	138.8	103.1	27.8	33.5	73.5	95.3	113.1	99.6	80.9	77.0	75.7
97.5°	60.5	50.0	26.1	25.7	42.2	65.7	82.2	71.4	53.5	41.8	41.8
100°	10.0	16.1	22.6	24.8	24.8	34.8	46.6	43.9	25.7	13.5	13.9
102.5°	10.4	9.1	15.7	20.4	16.1	14.4	21.3	26.5	17.0	5.2	5.7
105°	10.9	9.6	7.8	14.4	9.1	4.8	6.5	12.2	7.8	5.2	5.2
107.5°	11.7	10.0	4.8	5.2	3.9	3.9	3.5	3.0	3.9	5.2	5.7



REPORT NUMBER: P415324

CATALOG NUMBER: LXF.LXT-PA1-40-830-U-T4W-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	9.1	8.3	4.4	3.9	3.5	3.9	2.6	2.6	3.0	5.2	5.7
112.5°	5.2	5.2	3.9	3.0	3.0	3.5	2.2	2.2	3.0	5.7	5.7
115°	5.2	5.2	3.5	2.6	2.2	2.6	2.2	1.7	3.0	5.7	6.1
117.5°	5.2	5.2	3.5	2.6	2.2	1.7	1.7	1.7	3.0	5.7	6.1
120°	5.2	4.8	3.0	2.2	2.2	1.3	1.3	1.3	2.6	5.7	6.1
122.5°	4.8	4.8	3.0	2.2	1.7	1.3	1.3	1.3	2.6	5.2	5.7
125°	4.4	4.4	3.0	2.2	1.7	1.3	0.9	1.3	2.6	4.8	5.2
127.5°	3.9	3.9	2.6	2.2	1.7	1.3	0.9	1.3	2.6	4.8	5.2
130°	3.5	3.5	2.6	1.7	1.7	0.9	0.9	0.9	2.6	4.4	4.8
132.5°	3.0	3.0	2.2	1.7	1.3	0.9	0.4	0.9	2.2	3.9	3.9
135°	2.6	2.6	2.2	1.7	1.3	0.9	0.4	0.9	1.7	3.0	3.5
137.5°	2.2	2.2	1.7	1.7	1.3	0.9	0.4	0.9	1.3	2.6	2.6
140°	2.2	2.2	1.7	1.7	1.3	0.9	0.4	0.9	1.3	2.2	2.6
142.5°	2.2	2.2	1.7	1.7	1.3	0.9	0.4	0.9	1.3	2.2	2.6
145°	2.6	2.2	2.2	1.7	1.3	0.9	0.4	0.9	1.7	2.6	2.6
147.5°	2.6	2.6	2.2	1.7	1.3	0.9	0.4	0.9	1.7	2.6	2.6
150°	2.6	2.6	2.2	1.7	1.3	0.4	0.0	0.4	1.3	2.2	2.6
152.5°	2.6	2.2	1.7	1.3	0.9	0.4	0.0	0.0	0.9	1.7	1.7
155°	2.2	1.7	1.7	1.3	0.9	0.4	0.0	0.0	0.4	0.9	0.9
157.5°	1.7	1.7	1.3	0.9	0.4	0.4	0.0	0.0	0.0	0.4	0.4
160°	1.3	1.3	0.9	0.9	0.4	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)