

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: P414856

Luminaire Tested: **LXF.LXT-PA1-30-827-U-T4W-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414856
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-PA1-30-827-U-T4W-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 375mA 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: 2797 lumens
Efficiency: N/A
Efficacy: 90.2 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 - U2 - G2

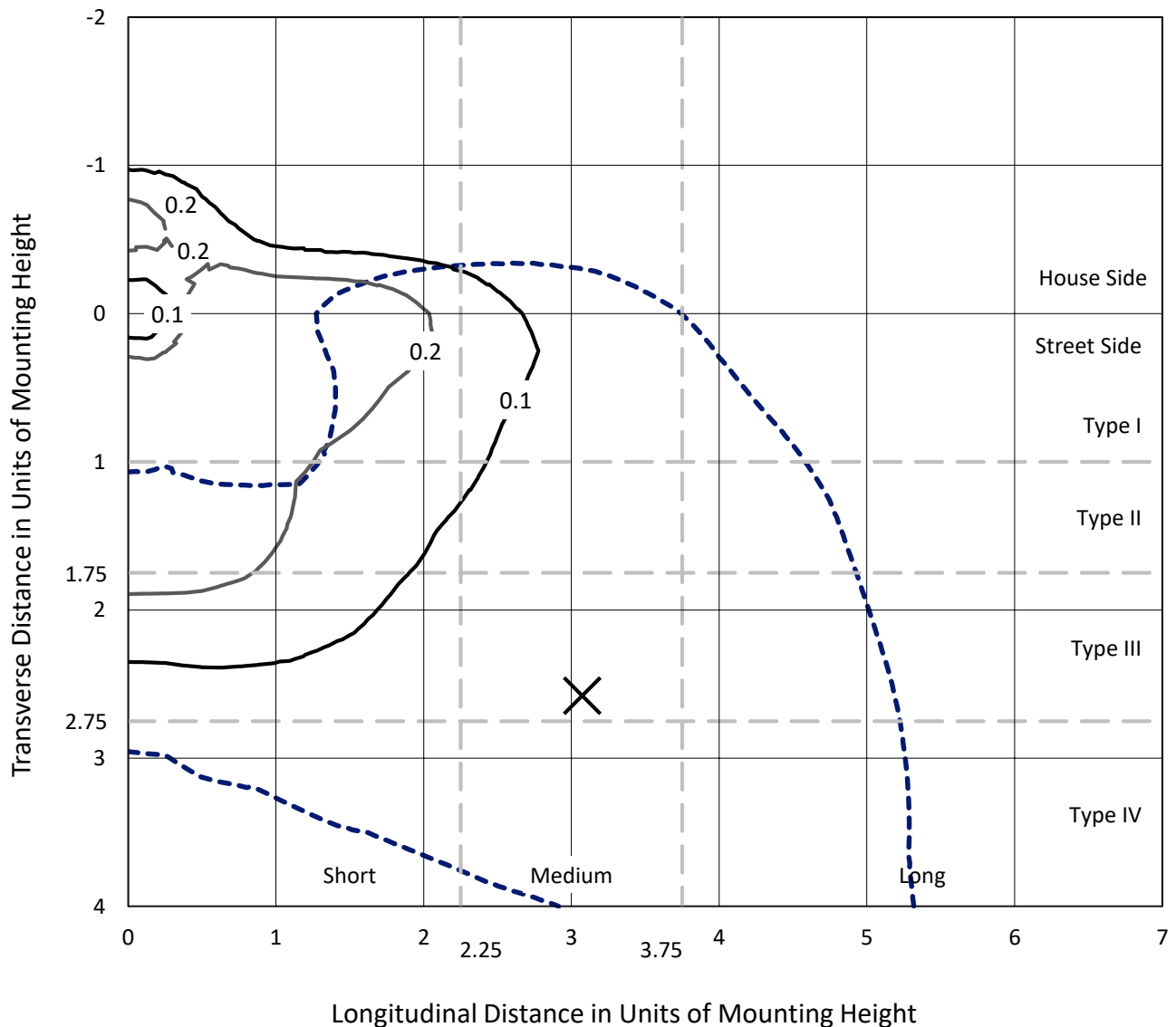
Input Watts (W): 31
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P414856
 CATALOG NUMBER: LXF.LXT-PA1-30-827-U-T4W-CL

Iso-Footcandle Lines of Horizontal Illumination

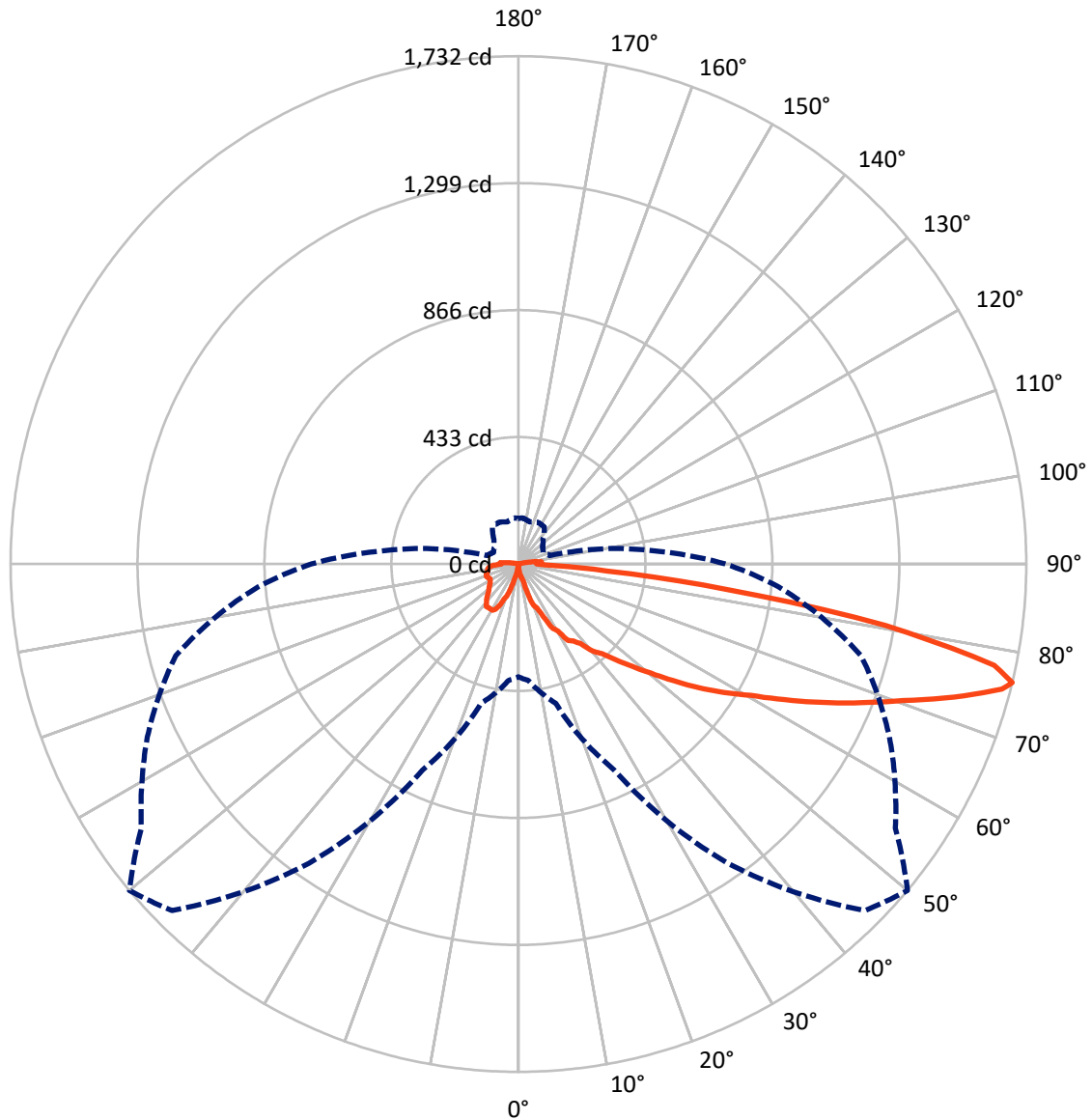
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P414856
CATALOG NUMBER: LXF.LXT-PA1-30-827-U-T4W-CL

Luminous Intensity Polar Plot



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



REPORT NUMBER: P414856

CATALOG NUMBER: LXF.LXT-PA1-30-827-U-T4W-CL

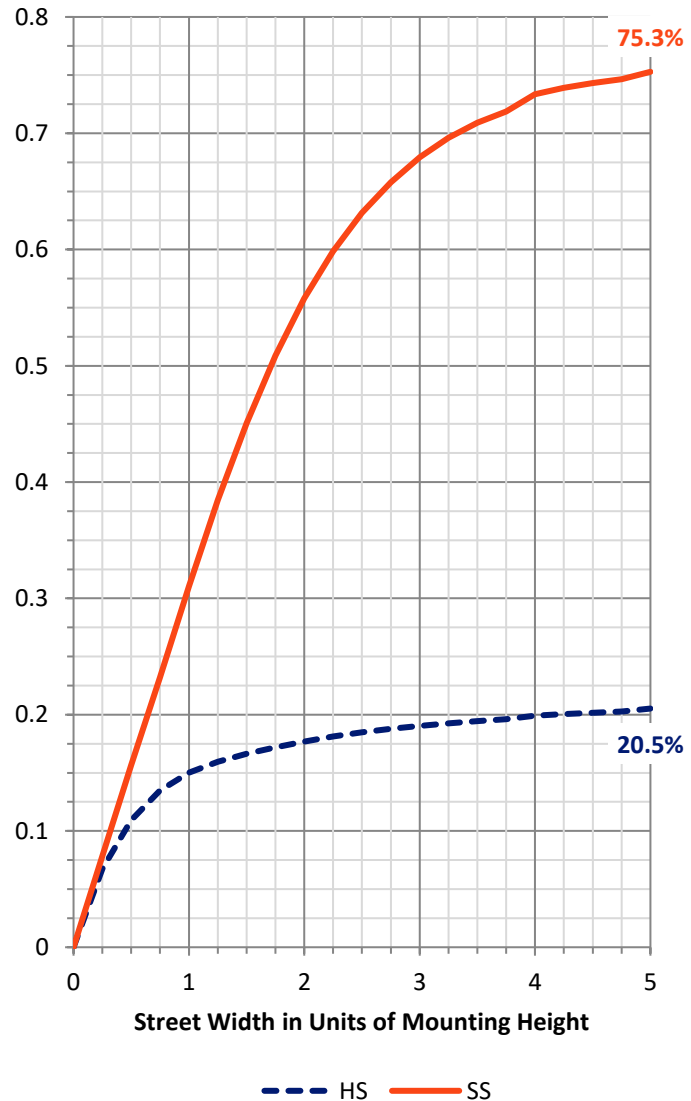
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	610.5	34.4	644.8
	% Fixture	21.8	1.2	23.1
Street Side	Lumens	2124.5	27.6	2152.1
	% Fixture	76.0	1.0	76.9
Total	Lumens	2735.0	62.0	2797.0
	% Fixture	97.8	2.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.6	0.1
10°-20°	23.3	0.8
20°-30°	91.2	3.3
30°-40°	196.4	7.0
40°-50°	320.0	11.4
50°-60°	515.1	18.4
60°-70°	750.3	26.8
70°-80°	669.4	23.9
80°-90°	167.7	6.0
90°-100°	49.1	1.8
100°-110°	7.3	0.3
110°-120°	2.1	0.1
120°-130°	1.4	0.1
130°-140°	0.9	0.0
140°-150°	0.8	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2735.0	97.8
0°-180°	2797.0	100.0



REPORT NUMBER: P414856

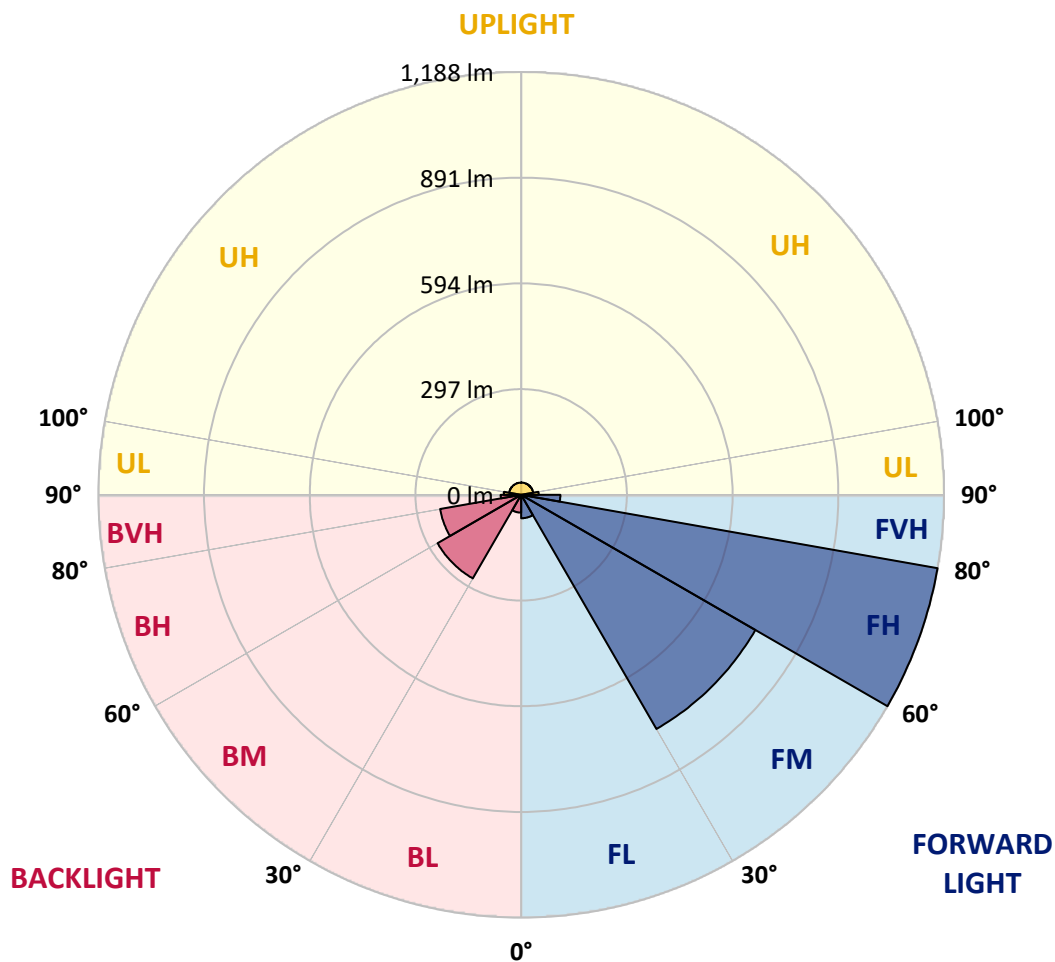
CATALOG NUMBER: LXF.LXT-PA1-30-827-U-T4W-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	65.9	2.4			
FM	(30°-60°)	760.1	27.2			
FH	(60°-80°)	1188.5	42.5			G1/1800
FVH	(80°-90°)	110.1	3.9			G2/225
BL	(0°-30°)	50.2	1.8	B0/110		
BM	(30°-60°)	271.4	9.7	B1/1000		
BH	(60°-80°)	231.3	8.3	B1/500		G1/500
BVH	(80°-90°)	57.6	2.1			G1/100
UL	(90°-100°)	49.1	1.8		U2/50	
UH	(100°-180°)	34.4	1.2		U2/50	

BUG Rating: B1-U2-G2

Type IV Medium





REPORT NUMBER: P414856

CATALOG NUMBER: LXF.LXT-PA1-30-827-U-T4W-CL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
2.5°	4.0	3.1	2.8	2.5	2.5	2.2	2.2	1.9	1.9	1.9	1.9
5°	39.2	37.9	35.1	32.6	11.2	9.3	7.8	5.9	2.2	2.2	1.9
7.5°	46.9	46.0	44.1	42.9	41.0	38.2	35.1	16.5	6.5	2.5	2.2
10°	61.5	56.9	53.2	50.0	47.9	43.2	42.0	39.5	10.9	4.7	3.4
12.5°	110.0	107.6	103.8	70.6	58.1	49.7	47.9	45.7	35.4	16.8	30.2
15°	121.2	118.7	115.0	110.4	103.5	61.2	57.5	71.5	91.4	68.7	71.8
17.5°	142.4	141.1	131.2	120.0	113.1	120.3	120.6	109.4	103.8	90.8	82.7
20°	197.4	196.1	190.5	162.0	128.1	152.0	151.4	145.8	116.6	134.0	144.2
22.5°	205.5	203.9	198.9	191.2	202.7	166.6	162.6	162.6	171.9	182.2	169.7
25°	270.4	268.9	231.0	201.1	217.3	198.3	198.9	220.1	190.2	199.9	190.9
27.5°	282.6	280.4	277.3	257.4	228.8	251.2	247.7	236.2	247.4	276.0	266.4
30°	329.8	305.9	295.6	284.1	270.1	266.1	264.5	285.4	293.4	291.6	294.4
32.5°	382.7	381.7	371.8	303.1	305.6	286.0	311.2	320.5	308.0	354.1	383.6
35°	459.7	428.0	408.8	363.1	318.0	330.7	322.0	331.7	374.3	378.6	406.9
37.5°	577.9	576.0	531.9	400.7	366.8	338.5	344.7	371.5	399.4	405.7	443.9
40°	675.5	666.5	638.5	499.5	398.8	366.2	391.0	385.1	414.7	436.4	473.1
42.5°	747.9	756.3	740.4	578.2	463.2	410.0	417.5	409.7	437.1	477.8	515.1
45°	817.2	813.8	824.7	658.1	525.0	466.3	465.6	446.7	478.1	523.8	572.9
47.5°	873.8	868.8	880.0	744.8	596.2	517.2	521.6	497.0	527.2	581.3	658.7
50°	936.9	927.3	934.7	817.5	689.1	590.9	585.0	566.1	583.1	656.8	763.4
52.5°	1012.7	1005.9	992.5	890.0	784.9	666.8	659.3	641.0	659.6	750.7	879.4
55°	1080.8	1073.0	1062.2	989.7	864.5	743.9	744.2	725.8	762.2	853.3	1014.0
57.5°	1151.7	1148.0	1153.6	1101.3	978.2	824.4	826.2	815.0	880.3	958.7	1156.7
60°	1210.4	1204.8	1235.9	1215.4	1079.3	916.4	908.9	921.0	1000.9	1068.7	1301.2
62.5°	1232.8	1236.5	1295.3	1320.5	1177.2	1015.5	1018.3	1034.8	1112.5	1200.5	1440.5
65°	1127.8	1140.8	1304.9	1338.8	1286.3	1125.6	1138.9	1136.1	1226.9	1297.5	1558.0
67.5°	1013.7	1028.6	1207.0	1343.5	1370.8	1254.9	1261.7	1234.1	1325.5	1358.1	1645.6
70°	932.9	944.4	1091.1	1317.1	1422.7	1389.8	1392.9	1341.6	1396.9	1429.3	1642.5
72.5°	793.0	805.1	940.6	1217.3	1455.1	1553.3	1553.3	1440.2	1454.8	1427.7	1450.4
75°	535.9	540.6	651.5	945.0	1371.5	1686.7	1702.8	1547.7	1434.9	1296.9	1081.7
76°	384.8	399.1	492.1	775.9	1245.6	1671.4	1732.0	1569.5	1396.0	1210.1	890.3
77.5°	203.9	217.0	290.3	496.7	1010.3	1554.2	1659.0	1502.6	1272.9	1038.9	658.4
80°	79.9	79.0	99.8	176.9	511.7	1182.2	1269.5	1107.5	861.0	601.8	312.7
82.5°	43.8	48.2	63.4	93.6	221.9	652.2	717.1	584.4	439.5	277.6	182.8
85°	28.0	28.6	37.3	57.8	137.1	274.8	301.8	250.2	205.8	170.3	129.9
87.5°	16.8	17.4	19.6	26.7	67.8	80.8	88.3	103.8	118.1	117.2	112.2
90°	11.5	11.5	9.6	10.6	31.7	64.7	62.2	66.2	60.3	76.5	108.2
92.5°	11.2	11.2	9.3	9.6	27.0	71.8	72.1	71.8	63.7	78.0	113.8
95°	9.9	10.3	8.1	8.4	19.9	67.1	79.0	76.5	64.3	78.6	113.5
97.5°	8.4	8.7	6.2	7.1	13.4	45.4	58.8	60.0	40.1	39.8	51.3
100°	6.2	6.5	4.4	5.6	8.1	20.8	31.4	29.5	19.9	10.9	7.1
102.5°	5.9	6.2	3.7	4.4	5.0	7.1	11.5	8.7	7.5	6.2	6.2
105°	6.5	6.5	3.4	3.1	3.1	3.4	2.8	4.0	4.4	4.7	6.5
107.5°	5.6	5.9	2.5	2.5	2.2	2.2	1.9	1.9	2.5	4.0	7.1



REPORT NUMBER: P414856

CATALOG NUMBER: LXF.LXT-PA1-30-827-U-T4W-CL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
110°	4.4	4.4	2.2	2.2	1.6	1.9	1.9	1.6	2.2	3.1	5.6
112.5°	2.5	2.8	1.2	1.9	1.2	1.6	1.6	1.2	1.9	2.2	3.1
115°	2.5	2.5	1.2	0.9	0.9	0.9	1.2	1.2	1.6	2.2	3.4
117.5°	2.5	2.5	1.2	0.9	0.6	0.9	0.9	0.9	1.6	2.2	3.4
120°	2.5	2.5	1.2	0.6	0.6	0.6	0.6	0.9	1.6	2.2	3.4
122.5°	2.8	2.5	1.2	0.6	0.6	0.6	0.6	0.9	1.6	2.2	3.1
125°	2.8	2.5	1.2	0.6	0.6	0.6	0.6	0.9	1.2	1.9	2.8
127.5°	2.8	2.5	1.2	0.6	0.6	0.6	0.6	0.9	1.2	1.9	2.5
130°	2.5	2.5	1.2	0.6	0.6	0.6	0.6	0.9	1.2	1.9	2.5
132.5°	2.5	2.2	1.2	0.6	0.6	0.6	0.6	0.9	1.2	1.6	2.2
135°	2.2	1.9	1.2	0.6	0.9	0.6	0.9	0.9	1.2	1.6	1.9
137.5°	1.9	1.9	1.2	0.9	0.9	0.9	0.9	0.9	1.2	1.6	1.6
140°	2.2	1.9	1.2	1.2	0.9	0.9	0.9	0.9	1.2	1.6	1.6
142.5°	2.5	2.2	1.6	1.2	1.2	0.9	0.9	1.2	1.2	1.6	1.6
145°	2.5	2.5	1.9	1.6	0.9	0.9	0.9	1.2	1.6	1.6	1.9
147.5°	2.8	2.5	1.9	1.6	0.9	0.6	0.9	0.9	1.6	1.9	1.9
150°	2.5	2.5	1.6	1.2	0.6	0.3	0.6	0.9	1.6	1.9	1.9
152.5°	1.9	1.9	1.2	0.6	0.3	0.3	0.6	0.9	1.2	1.6	1.9
155°	1.2	1.2	0.6	0.3	0.0	0.3	0.3	0.6	0.9	1.2	1.6
157.5°	0.6	0.6	0.3	0.0	0.0	0.3	0.3	0.6	0.9	1.2	1.2
160°	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.6	0.6	0.9	0.9
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: P414856

CATALOG NUMBER: LXF.LXT-PA1-30-827-U-T4W-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
2.5°	1.9	1.6	1.6	1.2	1.2	0.9	0.9	0.9	0.9	1.2	1.6
5°	1.9	1.9	1.6	1.6	1.6	1.2	1.2	1.9	2.2	2.5	2.5
7.5°	1.9	1.9	1.9	1.6	1.9	2.5	9.9	28.6	31.4	33.3	33.9
10°	3.4	3.1	2.8	2.5	4.7	31.7	39.2	42.6	44.1	45.7	45.7
12.5°	32.6	32.6	13.4	7.5	32.0	42.6	44.8	47.2	49.4	51.6	51.9
15°	70.9	69.9	67.5	61.9	53.5	48.2	50.4	74.6	87.7	93.6	92.6
17.5°	81.1	79.9	78.3	89.2	92.9	74.3	86.7	96.4	99.2	102.3	102.0
20°	150.4	148.9	115.9	103.8	101.6	124.6	99.2	101.3	106.3	135.5	136.5
22.5°	168.5	166.6	155.1	158.2	118.7	135.2	130.9	137.1	152.9	157.6	158.2
25°	197.4	189.9	175.9	165.4	168.2	141.1	162.9	152.6	158.5	164.1	165.1
27.5°	273.2	268.9	244.0	185.3	171.6	176.6	169.7	166.0	198.3	210.1	211.1
30°	294.4	290.0	258.9	214.5	180.9	180.9	171.0	207.0	208.6	214.8	216.3
32.5°	400.1	391.4	329.2	217.9	187.8	172.8	193.7	203.9	228.8	247.4	250.5
35°	424.6	417.2	339.8	249.0	181.5	180.0	182.8	214.8	233.1	244.3	246.8
37.5°	450.1	441.7	338.5	237.2	192.4	171.6	177.8	200.8	227.2	256.1	259.9
40°	484.9	474.7	340.1	221.9	180.3	162.3	166.9	192.7	210.8	228.8	231.9
42.5°	531.5	511.0	342.9	208.3	166.3	158.2	159.2	174.1	182.5	189.9	189.9
45°	594.3	561.1	343.8	194.0	152.3	148.9	150.1	157.0	160.1	155.4	153.2
47.5°	678.6	622.9	355.3	181.2	140.5	138.6	139.6	141.7	140.2	128.1	125.9
50°	776.8	695.7	361.5	170.0	131.8	131.5	129.9	129.9	124.3	110.7	109.7
52.5°	885.3	782.4	366.8	156.4	125.6	127.1	127.1	120.6	112.2	101.3	100.4
55°	1023.0	882.5	374.6	144.5	120.3	120.0	123.4	115.3	106.6	97.3	97.3
57.5°	1159.8	988.5	383.9	134.3	114.4	115.0	120.0	113.5	108.8	105.1	104.8
60°	1296.5	1097.9	369.0	125.0	112.2	111.0	119.1	120.6	115.0	117.2	119.4
62.5°	1424.9	1167.9	309.0	116.9	108.2	110.0	127.1	136.8	134.9	132.7	133.4
65°	1485.5	1182.2	250.5	109.7	105.4	116.6	140.2	154.8	148.6	141.4	140.8
67.5°	1495.8	1145.2	184.3	105.4	103.8	128.1	150.4	158.8	149.5	146.7	144.2
70°	1423.7	1051.3	147.3	100.7	105.1	129.9	157.0	157.9	151.1	154.2	151.1
72.5°	1210.7	875.7	129.0	96.4	105.4	125.3	157.0	158.2	150.4	159.5	157.9
75°	867.0	613.9	114.7	92.6	102.0	120.0	154.8	157.9	148.6	158.5	156.0
76°	706.2	487.1	110.7	93.6	100.4	118.1	154.2	157.0	148.9	157.9	155.4
77.5°	466.6	318.3	103.8	92.9	97.6	117.2	152.6	155.7	148.6	156.0	153.6
80°	249.6	180.3	93.6	86.7	94.2	117.8	151.4	152.6	142.7	151.1	148.0
82.5°	164.4	134.3	80.8	78.6	90.8	118.7	150.8	148.9	137.7	151.1	142.7
85°	129.0	111.0	60.6	63.1	82.7	114.7	148.9	143.6	133.4	137.1	132.1
87.5°	109.4	91.4	36.4	45.1	72.4	97.6	132.1	118.7	112.8	116.6	114.4
90°	102.9	80.8	20.5	31.7	54.4	65.0	83.3	77.4	74.9	79.3	78.3
92.5°	103.8	79.0	20.2	30.2	58.1	69.9	86.1	79.3	71.8	71.8	70.9
95°	99.2	73.7	19.9	23.9	52.5	68.1	80.8	71.2	57.8	55.0	54.1
97.5°	43.2	35.7	18.7	18.3	30.2	46.9	58.8	51.0	38.2	29.8	29.8
100°	7.1	11.5	16.2	17.7	17.7	24.9	33.3	31.4	18.3	9.6	9.9
102.5°	7.5	6.5	11.2	14.6	11.5	10.3	15.2	19.0	12.1	3.7	4.0
105°	7.8	6.8	5.6	10.3	6.5	3.4	4.7	8.7	5.6	3.7	3.7
107.5°	8.4	7.1	3.4	3.7	2.8	2.8	2.5	2.2	2.8	3.7	4.0



REPORT NUMBER: P414856

CATALOG NUMBER: LXF.LXT-PA1-30-827-U-T4W-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	6.5	5.9	3.1	2.8	2.5	2.8	1.9	1.9	2.2	3.7	4.0
112.5°	3.7	3.7	2.8	2.2	2.2	2.5	1.6	1.6	2.2	4.0	4.0
115°	3.7	3.7	2.5	1.9	1.6	1.9	1.6	1.2	2.2	4.0	4.4
117.5°	3.7	3.7	2.5	1.9	1.6	1.2	1.2	1.2	2.2	4.0	4.4
120°	3.7	3.4	2.2	1.6	1.6	0.9	0.9	0.9	1.9	4.0	4.4
122.5°	3.4	3.4	2.2	1.6	1.2	0.9	0.9	0.9	1.9	3.7	4.0
125°	3.1	3.1	2.2	1.6	1.2	0.9	0.6	0.9	1.9	3.4	3.7
127.5°	2.8	2.8	1.9	1.6	1.2	0.9	0.6	0.9	1.9	3.4	3.7
130°	2.5	2.5	1.9	1.2	1.2	0.6	0.6	0.6	1.9	3.1	3.4
132.5°	2.2	2.2	1.6	1.2	0.9	0.6	0.3	0.6	1.6	2.8	2.8
135°	1.9	1.9	1.6	1.2	0.9	0.6	0.3	0.6	1.2	2.2	2.5
137.5°	1.6	1.6	1.2	1.2	0.9	0.6	0.3	0.6	0.9	1.9	1.9
140°	1.6	1.6	1.2	1.2	0.9	0.6	0.3	0.6	0.9	1.6	1.9
142.5°	1.6	1.6	1.2	1.2	0.9	0.6	0.3	0.6	0.9	1.6	1.9
145°	1.9	1.6	1.6	1.2	0.9	0.6	0.3	0.6	1.2	1.9	1.9
147.5°	1.9	1.9	1.6	1.2	0.9	0.6	0.3	0.6	1.2	1.9	1.9
150°	1.9	1.9	1.6	1.2	0.9	0.3	0.0	0.3	0.9	1.6	1.9
152.5°	1.9	1.6	1.2	0.9	0.6	0.3	0.0	0.0	0.6	1.2	1.2
155°	1.6	1.2	1.2	0.9	0.6	0.3	0.0	0.0	0.3	0.6	0.6
157.5°	1.2	1.2	0.9	0.6	0.3	0.3	0.0	0.0	0.0	0.3	0.3
160°	0.9	0.9	0.6	0.6	0.3	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)