

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: P417088

Luminaire Tested: **LXF.LXT-PA1-90-727-U-T3-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417088
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-22)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-90-727-U-T3-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7848 lumens
Efficiency: N/A
Efficacy: 83.5 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: B2 - U3 - G3

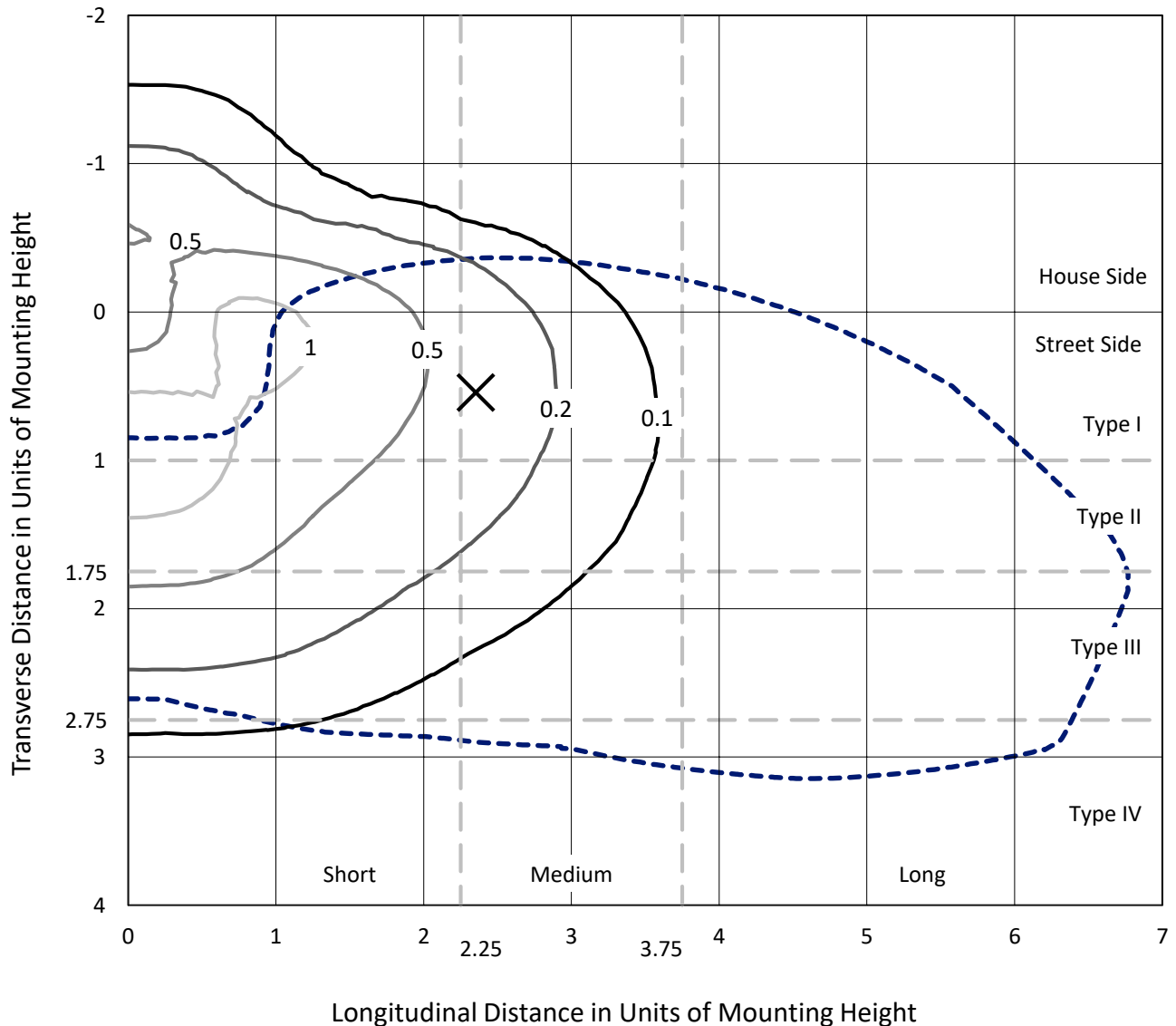
Input Watts (W): 94
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P417088
 CATALOG NUMBER: LXF.LXT-PA1-90-727-U-T3-TL

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

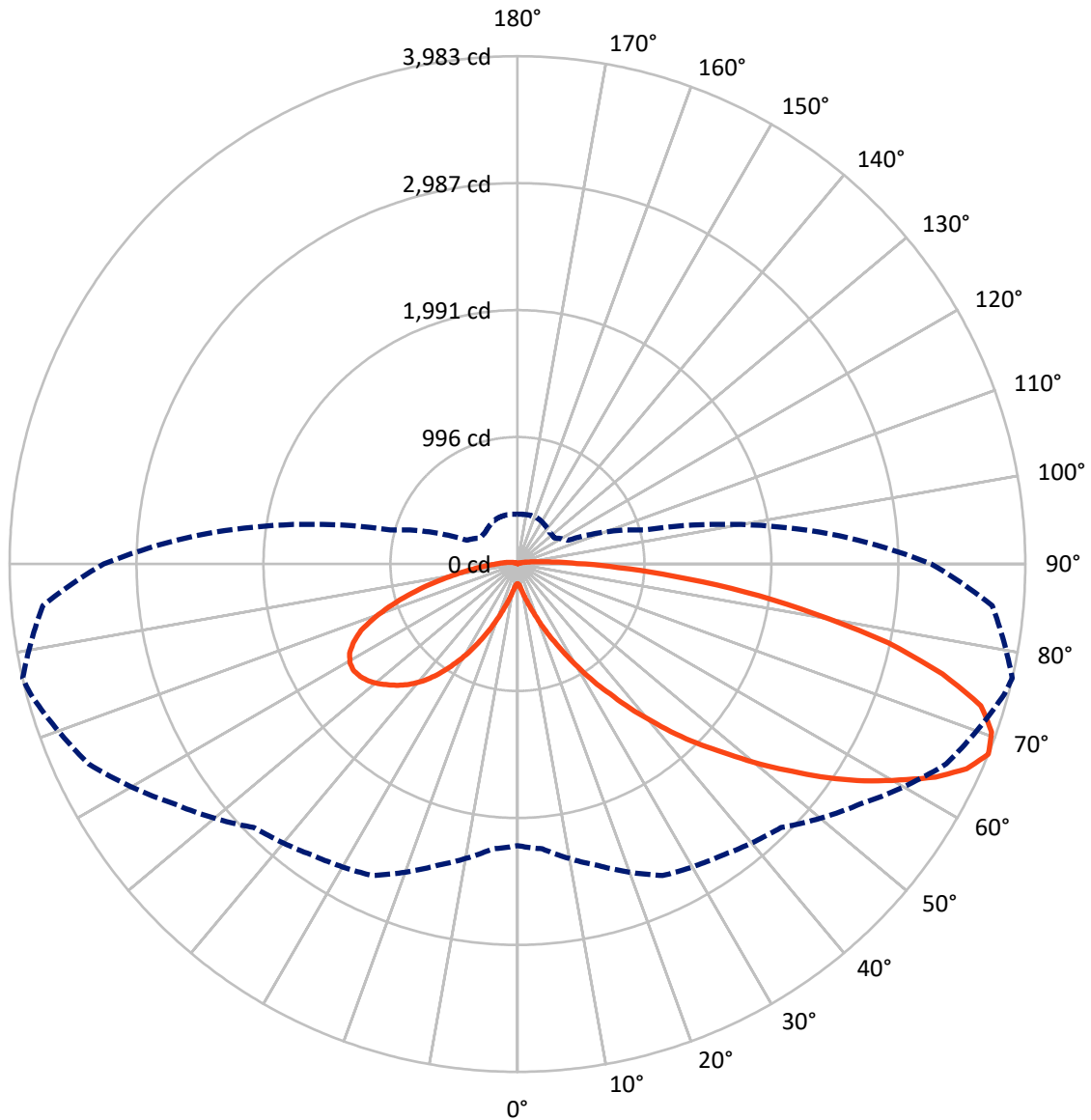


Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P417088

CATALOG NUMBER: LXF.LXT-PA1-90-727-U-T3-TL

Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P417088

CATALOG NUMBER: LXF.LXT-PA1-90-727-U-T3-TL

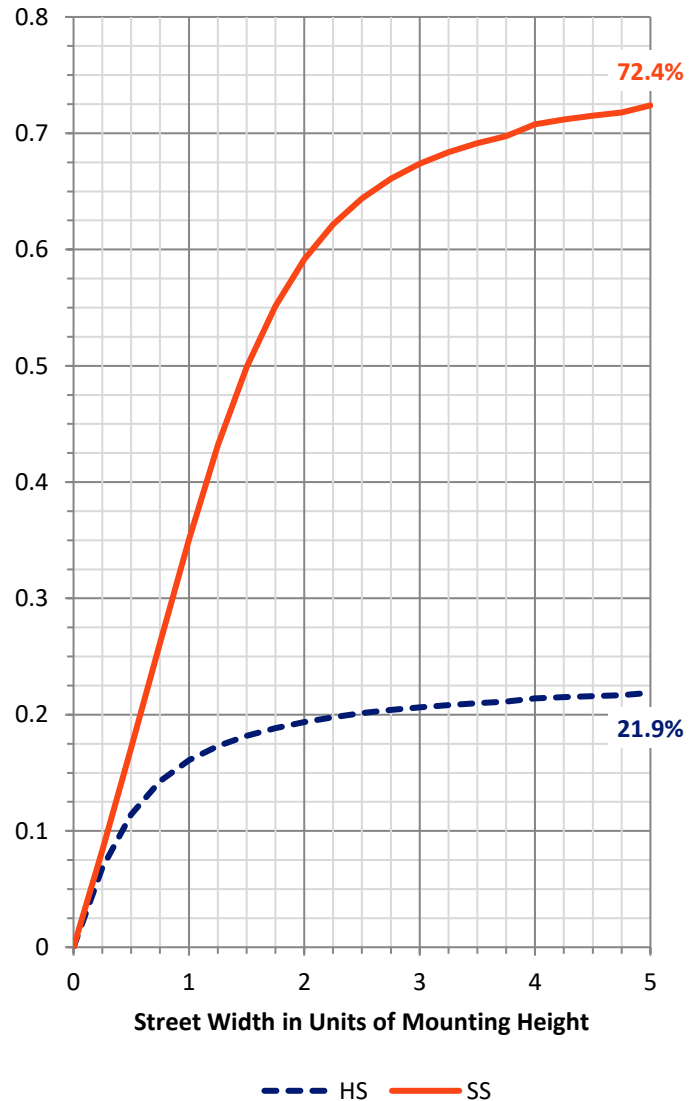
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1790.4	117.9	1908.3
	% Fixture	22.8	1.5	24.3
Street Side	Lumens	5808.4	131.3	5939.6
	% Fixture	74.0	1.7	75.7
Total	Lumens	7598.8	249.2	7848.0
	% Fixture	96.8	3.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.9	0.2
10°-20°	91.0	1.2
20°-30°	271.9	3.5
30°-40°	602.3	7.7
40°-50°	1078.6	13.7
50°-60°	1615.4	20.6
60°-70°	1904.2	24.3
70°-80°	1453.8	18.5
80°-90°	563.6	7.2
90°-100°	143.6	1.8
100°-110°	54.3	0.7
110°-120°	25.5	0.3
120°-130°	13.6	0.2
130°-140°	7.6	0.1
140°-150°	3.4	0.0
150°-160°	1.0	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	7598.8	96.8
0°-180°	7848.0	100.0



REPORT NUMBER: P417088

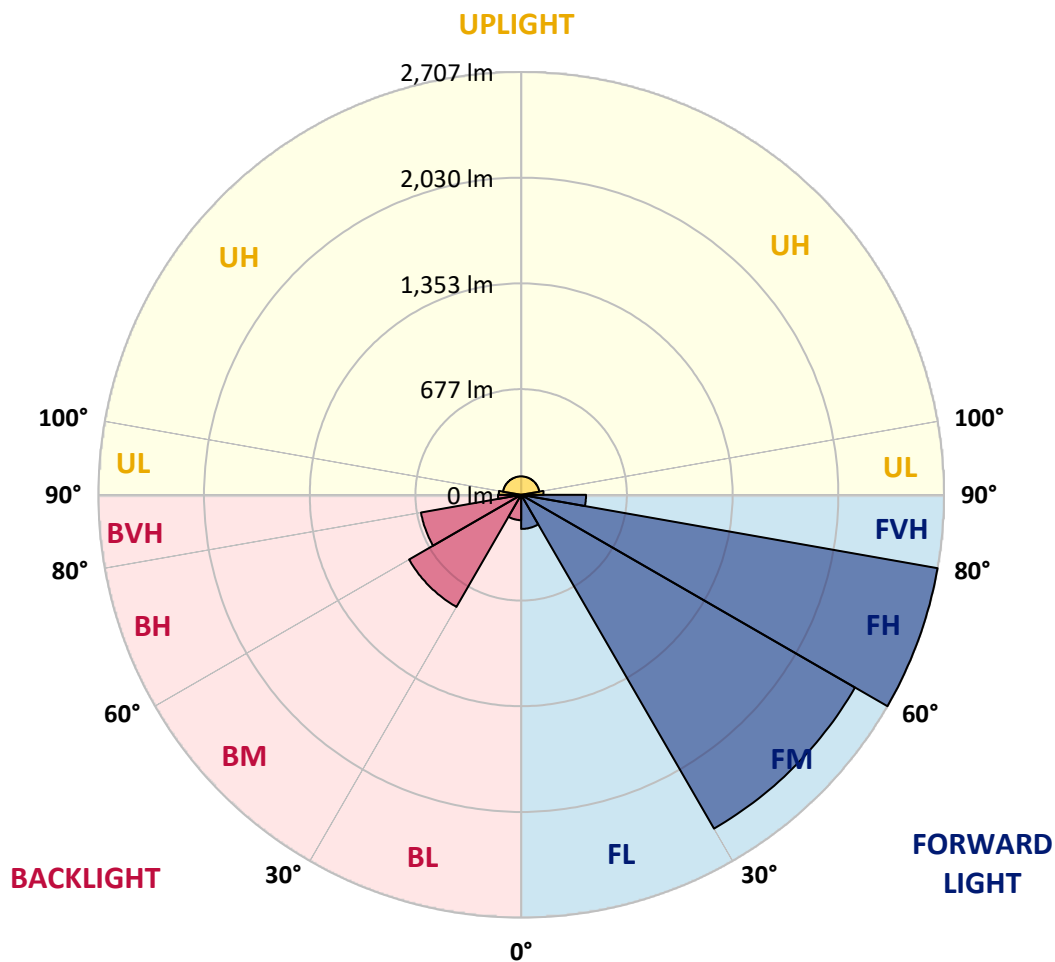
CATALOG NUMBER: LXF.LXT-PA1-90-727-U-T3-TL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	218.8	2.8			
FM	(30°-60°)	2467.6	31.4			
FH	(60°-80°)	2706.9	34.5			G2/5000
FVH	(80°-90°)	415.1	5.3			G3/500
BL	(0°-30°)	162.1	2.1	B1/500		
BM	(30°-60°)	828.8	10.6	B1/1000		
BH	(60°-80°)	651.1	8.3	B2/1000		G2/1000
BVH	(80°-90°)	148.5	1.9			G2/225
UL	(90°-100°)	143.6	1.8		U3/500	
UH	(100°-180°)	117.9	1.5		U3/500	

BUG Rating: B2-U3-G3

Type IV Medium





REPORT NUMBER: P417088

CATALOG NUMBER: LXF.LXT-PA1-90-727-U-T3-TL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	154.2	154.2	154.2	154.2	154.2	154.2	154.2	154.2	154.2	154.2	154.2
2.5°	163.2	162.3	163.2	163.2	164.1	162.3	160.5	159.6	158.7	158.7	157.8
5°	180.3	178.5	179.4	180.3	179.4	177.6	174.9	174.0	172.2	172.2	170.4
7.5°	204.7	204.7	203.8	202.0	203.8	201.1	199.3	198.4	195.7	194.8	193.8
10°	241.6	239.8	238.9	237.1	235.3	234.4	230.8	230.8	226.3	228.1	225.4
12.5°	289.4	285.8	286.7	283.1	277.7	274.1	272.3	271.4	271.4	271.4	270.5
15°	347.1	344.4	343.5	335.4	330.0	325.5	321.9	322.8	327.3	328.2	324.6
17.5°	412.9	417.5	409.3	402.1	394.0	385.0	385.0	385.0	388.6	391.3	389.5
20°	504.9	495.9	486.9	475.2	461.6	454.4	450.8	461.6	467.9	472.5	470.6
22.5°	605.9	596.9	587.0	568.0	549.1	535.6	535.6	549.1	563.5	568.9	570.7
25°	720.4	725.8	701.5	672.6	638.3	626.6	628.4	648.3	669.9	674.4	685.2
27.5°	862.0	862.0	841.2	795.2	750.2	726.7	728.5	761.0	793.4	799.7	807.9
30°	1034.2	1027.8	999.9	938.6	879.1	834.9	843.0	882.7	934.1	939.5	949.4
32.5°	1226.2	1225.3	1171.2	1095.5	1009.8	957.5	961.1	1018.8	1082.8	1098.2	1109.0
35°	1439.0	1444.4	1374.1	1264.1	1164.9	1094.6	1106.3	1172.1	1246.9	1250.6	1264.1
37.5°	1682.4	1679.7	1595.9	1476.0	1328.1	1253.3	1244.2	1333.5	1411.9	1435.4	1428.2
40°	1952.0	1923.2	1842.0	1693.2	1511.1	1411.0	1412.8	1504.8	1611.2	1618.4	1616.6
42.5°	2218.0	2205.4	2107.1	1906.0	1711.3	1593.2	1597.7	1686.0	1796.0	1824.0	1804.1
45°	2504.7	2473.2	2366.8	2159.4	1922.3	1794.2	1782.5	1881.7	2002.5	2024.1	2005.2
47.5°	2736.4	2716.6	2622.8	2401.9	2148.6	1984.5	1966.4	2088.2	2226.1	2227.9	2200.0
50°	2928.5	2918.6	2844.6	2649.0	2367.7	2197.3	2178.3	2299.1	2443.4	2466.8	2426.3
52.5°	3094.4	3078.1	3041.2	2848.2	2566.9	2379.4	2376.7	2509.2	2689.5	2700.4	2661.6
55°	3147.6	3157.5	3152.1	3015.9	2762.6	2559.7	2582.2	2760.8	2922.2	2960.0	2887.0
57.5°	3139.5	3139.5	3190.8	3128.6	2893.3	2722.9	2771.6	2987.1	3197.2	3208.9	3121.4
60°	3016.8	3019.5	3143.1	3160.2	2987.1	2862.7	2977.2	3217.0	3432.5	3439.7	3357.6
62.5°	2840.1	2833.8	3015.0	3101.6	2998.8	2945.6	3124.1	3418.1	3654.3	3678.6	3555.1
65°	2564.2	2575.9	2771.6	2943.8	2937.5	2977.2	3238.6	3599.3	3834.6	3869.8	3691.2
67.5°	2208.1	2242.3	2447.9	2695.0	2790.5	2922.2	3281.0	3710.2	3951.8	3982.5	3737.2
70°	1829.4	1821.3	2044.0	2354.1	2540.8	2781.5	3234.1	3714.7	3954.5	3944.6	3638.9
72.5°	1387.6	1421.9	1622.0	1937.6	2214.4	2514.6	3081.7	3599.3	3803.0	3801.2	3379.3
75°	986.4	1007.1	1183.8	1499.4	1829.4	2202.7	2777.9	3347.7	3497.4	3443.3	3003.3
77.5°	651.0	669.9	822.3	1109.9	1415.5	1810.5	2369.5	2908.6	3027.6	2971.7	2523.6
80°	404.8	413.8	529.3	757.4	1028.8	1402.9	1918.7	2378.5	2425.4	2368.6	1943.0
82.5°	240.7	247.9	330.9	486.0	733.0	1021.5	1446.2	1823.1	1838.4	1799.6	1401.1
85°	147.9	157.8	211.0	324.6	488.7	720.4	1008.0	1266.8	1277.6	1232.5	926.0
87.5°	96.5	101.9	143.4	211.0	329.1	482.4	675.3	843.0	818.7	790.7	585.2
90°	65.8	69.4	98.3	145.2	222.7	319.2	427.4	527.4	488.7	467.0	355.2
92.5°	46.0	49.6	72.1	104.6	154.2	213.7	277.7	315.6	299.3	289.4	223.6
95°	36.1	37.9	55.0	81.1	114.5	151.5	183.9	195.7	185.7	178.5	150.6
97.5°	28.9	30.7	46.0	65.8	89.3	112.7	128.0	131.6	121.7	118.1	104.6
100°	24.3	26.1	38.8	55.0	73.0	89.3	95.6	94.7	86.6	84.8	75.7
102.5°	21.6	22.5	34.3	47.8	62.2	72.1	75.7	71.2	63.1	62.2	56.8
105°	18.9	20.7	29.8	41.5	53.2	61.3	61.3	55.9	46.9	46.0	43.3
107.5°	18.0	18.0	26.1	36.1	46.0	51.4	51.4	45.1	37.0	35.2	33.4
110°	16.2	17.1	23.4	31.6	39.7	44.2	43.3	36.1	28.0	27.0	26.1



REPORT NUMBER: P417088

CATALOG NUMBER: LXF.LXT-PA1-90-727-U-T3-TL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	15.3	15.3	20.7	28.0	34.3	37.9	36.1	29.8	22.5	21.6	20.7
115°	14.4	14.4	18.9	25.2	30.7	33.4	30.7	24.3	18.0	17.1	18.0
117.5°	13.5	14.4	17.1	22.5	27.0	28.9	26.1	20.7	15.3	14.4	15.3
120°	13.5	13.5	16.2	19.8	23.4	25.2	22.5	17.1	12.6	12.6	13.5
122.5°	13.5	13.5	15.3	18.0	20.7	21.6	18.9	14.4	11.7	11.7	12.6
125°	12.6	12.6	14.4	16.2	18.9	18.9	17.1	12.6	9.9	9.9	11.7
127.5°	12.6	12.6	13.5	15.3	17.1	17.1	14.4	10.8	9.0	9.9	10.8
130°	11.7	11.7	12.6	13.5	15.3	14.4	12.6	9.9	8.1	9.0	9.9
132.5°	11.7	11.7	11.7	12.6	13.5	12.6	10.8	8.1	8.1	8.1	9.0
135°	10.8	10.8	11.7	11.7	11.7	10.8	9.0	7.2	7.2	7.2	8.1
137.5°	10.8	10.8	10.8	10.8	10.8	9.9	8.1	6.3	6.3	6.3	7.2
140°	9.9	9.9	9.9	9.0	9.0	8.1	6.3	5.4	5.4	5.4	6.3
142.5°	9.0	9.0	9.0	8.1	8.1	6.3	5.4	4.5	4.5	5.4	5.4
145°	8.1	8.1	8.1	7.2	6.3	5.4	3.6	3.6	4.5	4.5	5.4
147.5°	6.3	6.3	6.3	6.3	4.5	4.5	2.7	3.6	3.6	4.5	4.5
150°	5.4	5.4	5.4	5.4	3.6	2.7	1.8	2.7	3.6	3.6	3.6
152.5°	4.5	4.5	4.5	4.5	2.7	1.8	1.8	2.7	2.7	2.7	3.6
155°	2.7	2.7	3.6	2.7	1.8	0.9	1.8	1.8	2.7	2.7	2.7
157.5°	1.8	1.8	1.8	1.8	0.9	0.9	0.9	1.8	1.8	1.8	2.7
160°	0.9	0.9	1.8	1.8	1.8	0.9	0.9	0.9	1.8	1.8	1.8
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: P417088

CATALOG NUMBER: LXF.LXT-PA1-90-727-U-T3-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	154.2	154.2	154.2	154.2	154.2	154.2	154.2	154.2	154.2	154.2	154.2
2.5°	156.9	157.8	156.9	156.0	156.0	155.1	155.1	155.1	155.1	154.2	154.2
5°	171.3	170.4	169.5	167.7	165.9	164.1	164.1	163.2	162.3	161.4	161.4
7.5°	191.1	191.1	189.3	186.6	183.9	182.1	180.3	179.4	176.7	176.7	175.8
10°	221.8	221.8	216.4	213.7	209.2	204.7	202.9	200.2	198.4	197.5	196.6
12.5°	266.0	263.3	257.9	248.8	239.8	232.6	228.1	226.3	227.2	227.2	228.1
15°	322.8	317.4	309.3	292.1	275.9	265.1	262.4	262.4	263.3	263.3	264.2
17.5°	390.4	382.3	364.3	342.6	319.2	304.7	298.4	298.4	300.2	302.9	305.7
20°	472.5	465.2	437.3	399.4	364.3	345.3	334.5	333.6	337.2	345.3	343.5
22.5°	565.3	557.2	515.7	460.7	412.0	381.4	369.7	373.3	382.3	387.7	387.7
25°	677.1	663.6	601.4	521.1	458.9	415.6	400.3	405.7	419.3	425.6	428.3
27.5°	797.0	779.0	696.1	587.0	495.9	443.6	427.4	434.6	450.8	460.7	463.4
30°	939.5	907.9	795.2	648.3	529.3	463.4	446.3	459.8	477.9	489.6	492.3
32.5°	1089.2	1040.5	880.9	700.6	553.6	477.0	459.8	476.1	495.9	509.4	510.3
35°	1238.8	1182.9	975.6	742.9	566.2	483.3	465.2	484.2	505.8	516.6	519.3
37.5°	1401.1	1323.6	1057.6	770.0	571.6	482.4	465.2	484.2	504.9	513.9	515.7
40°	1557.1	1461.5	1130.6	786.2	569.8	475.2	458.9	478.8	496.8	503.1	502.2
42.5°	1732.0	1595.0	1189.2	787.1	557.2	464.3	450.8	467.9	480.6	479.7	480.6
45°	1898.8	1736.5	1232.5	780.8	540.1	450.8	440.0	455.3	459.8	455.3	454.4
47.5°	2081.8	1877.2	1266.8	764.6	519.3	438.2	428.3	440.0	440.9	431.0	429.2
50°	2275.7	2017.8	1298.3	734.8	495.0	423.8	417.5	427.4	425.6	409.3	406.6
52.5°	2465.0	2160.3	1318.2	698.8	470.6	411.1	408.4	418.4	412.9	394.0	390.4
55°	2667.0	2291.9	1321.8	662.7	447.2	400.3	400.3	411.1	404.8	385.0	382.3
57.5°	2864.5	2429.9	1308.3	615.8	424.7	388.6	394.0	406.6	402.1	382.3	380.5
60°	3049.3	2533.6	1271.3	571.6	403.9	380.5	389.5	403.9	400.3	384.1	382.3
62.5°	3192.6	2602.1	1212.7	528.4	385.9	372.4	385.0	399.4	400.3	386.8	387.7
65°	3259.4	2602.1	1127.9	485.1	369.7	364.3	380.5	396.7	398.5	390.4	390.4
67.5°	3244.9	2535.4	1032.4	440.0	354.3	354.3	374.2	391.3	394.9	391.3	391.3
70°	3092.6	2355.0	901.6	403.9	339.0	342.6	364.3	382.3	387.7	388.6	387.7
72.5°	2844.6	2083.6	766.4	366.1	322.8	330.9	351.6	369.7	376.9	378.7	377.8
75°	2461.4	1769.0	633.8	334.5	305.7	315.6	337.2	352.5	360.6	364.3	362.5
77.5°	1978.2	1403.8	519.3	302.9	285.8	296.6	317.4	330.0	339.9	344.4	340.8
80°	1507.5	1045.0	412.9	271.4	261.5	273.2	291.2	304.7	313.8	315.6	312.9
82.5°	1070.2	741.1	330.9	241.6	235.3	245.2	261.5	270.5	281.3	280.4	275.0
85°	701.5	503.1	259.7	210.1	207.4	213.7	226.3	231.7	242.5	242.5	236.2
87.5°	456.2	333.6	204.7	176.7	179.4	184.8	191.1	195.7	200.2	201.1	195.7
90°	291.2	228.1	163.2	150.6	153.3	157.8	157.8	156.9	164.1	165.9	161.4
92.5°	191.1	162.3	135.2	128.0	129.8	130.7	130.7	127.1	133.4	134.3	130.7
95°	134.3	121.7	111.8	110.0	110.0	110.0	108.2	103.7	109.1	109.1	107.3
97.5°	101.0	94.7	93.8	93.8	93.8	92.9	90.2	88.4	90.2	90.2	89.3
100°	75.7	74.8	77.5	79.3	80.2	79.3	77.5	74.8	74.8	71.2	72.1
102.5°	57.7	59.5	64.9	67.6	67.6	67.6	66.7	63.1	61.3	57.7	56.8
105°	45.1	46.9	53.2	56.8	57.7	58.6	56.8	53.2	49.6	46.0	45.1
107.5°	35.2	37.9	43.3	47.8	49.6	49.6	48.7	45.1	40.6	36.1	36.1
110°	28.9	30.7	36.1	40.6	42.4	42.4	41.5	37.0	32.5	28.9	28.9



REPORT NUMBER: P417088

CATALOG NUMBER: LXF.LXT-PA1-90-727-U-T3-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	23.4	25.2	30.7	34.3	36.1	37.0	35.2	31.6	27.0	23.4	23.4
115°	19.8	21.6	26.1	28.9	30.7	30.7	29.8	26.1	22.5	19.8	19.8
117.5°	17.1	18.9	22.5	25.2	26.1	27.0	25.2	22.5	18.9	17.1	17.1
120°	15.3	16.2	19.8	21.6	22.5	22.5	21.6	18.9	16.2	15.3	15.3
122.5°	13.5	15.3	17.1	18.9	19.8	19.8	18.9	16.2	14.4	13.5	14.4
125°	12.6	13.5	15.3	17.1	17.1	17.1	16.2	14.4	12.6	12.6	12.6
127.5°	11.7	12.6	13.5	14.4	15.3	15.3	14.4	12.6	11.7	11.7	11.7
130°	10.8	11.7	12.6	12.6	13.5	13.5	12.6	10.8	10.8	10.8	10.8
132.5°	9.9	10.8	10.8	11.7	11.7	11.7	10.8	9.9	9.9	9.9	9.9
135°	9.0	9.0	9.9	9.9	9.9	9.9	9.0	9.0	9.0	9.0	9.0
137.5°	8.1	8.1	9.0	8.1	9.0	8.1	8.1	7.2	8.1	8.1	8.1
140°	7.2	7.2	7.2	7.2	7.2	7.2	6.3	6.3	7.2	7.2	7.2
142.5°	6.3	6.3	6.3	5.4	5.4	5.4	5.4	5.4	6.3	6.3	6.3
145°	5.4	5.4	5.4	4.5	4.5	3.6	4.5	4.5	5.4	5.4	5.4
147.5°	4.5	4.5	4.5	4.5	3.6	2.7	2.7	3.6	4.5	4.5	4.5
150°	3.6	4.5	4.5	3.6	2.7	1.8	1.8	2.7	3.6	3.6	3.6
152.5°	3.6	3.6	3.6	2.7	1.8	0.9	0.9	1.8	2.7	2.7	2.7
155°	2.7	2.7	2.7	2.7	1.8	0.9	0.0	1.8	1.8	1.8	1.8
157.5°	2.7	2.7	2.7	1.8	0.9	0.0	0.0	0.9	1.8	0.9	0.9
160°	1.8	1.8	1.8	1.8	0.9	0.9	0.0	0.9	0.9	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)