

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: P417073

Luminaire Tested: **LXF.LXT-PA1-90-727-U-T2U-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417073
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-10)
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-T2U-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7817.9 lumens
Efficiency: N/A
Efficacy: 83.2 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B2 - U3 - G3

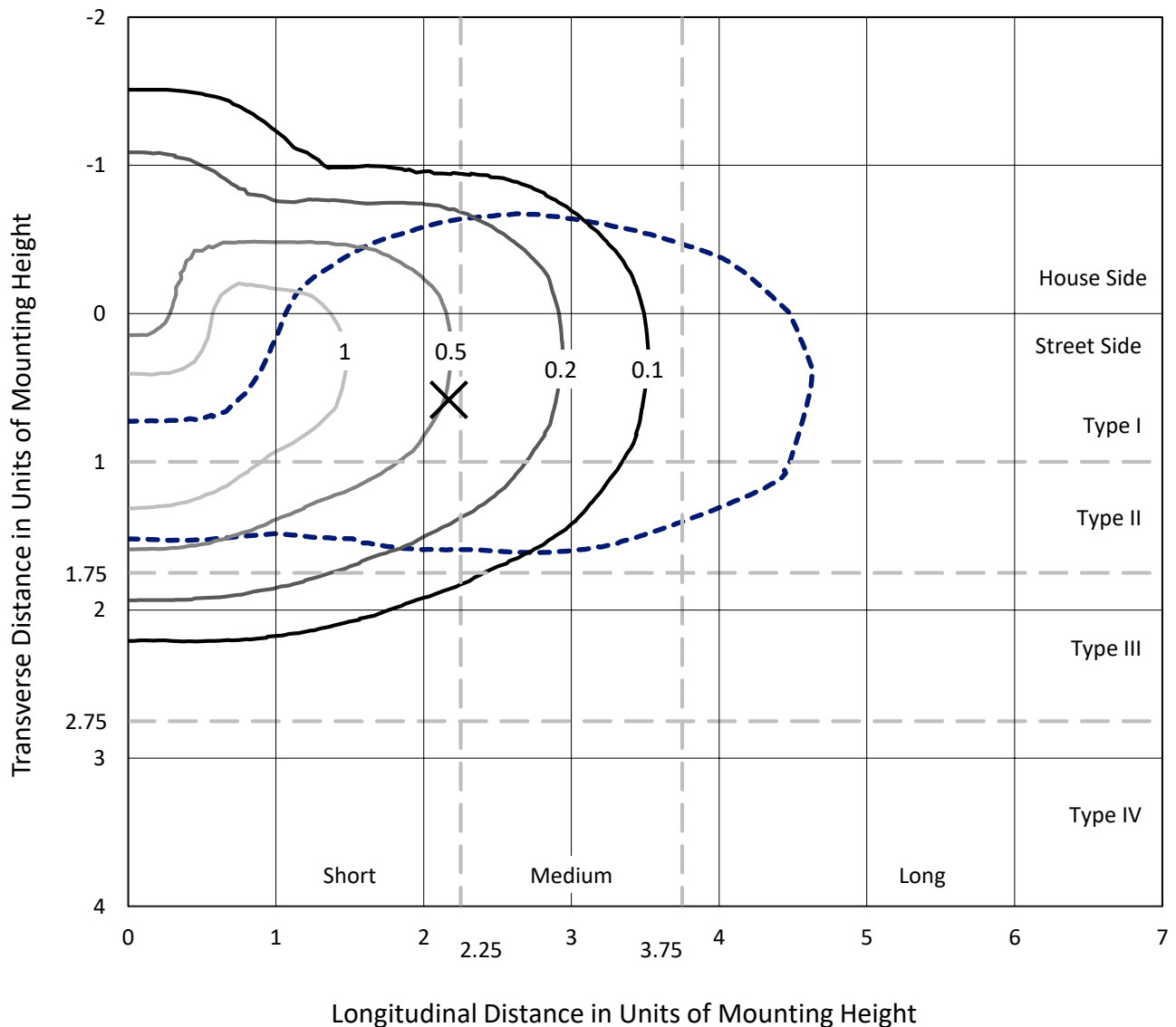
Input Watts (W): 94
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P417073
 CATALOG NUMBER: LXF.LXT-PA1-90-727-U-T2U-A

Iso-Footcandle Lines of Horizontal Illumination

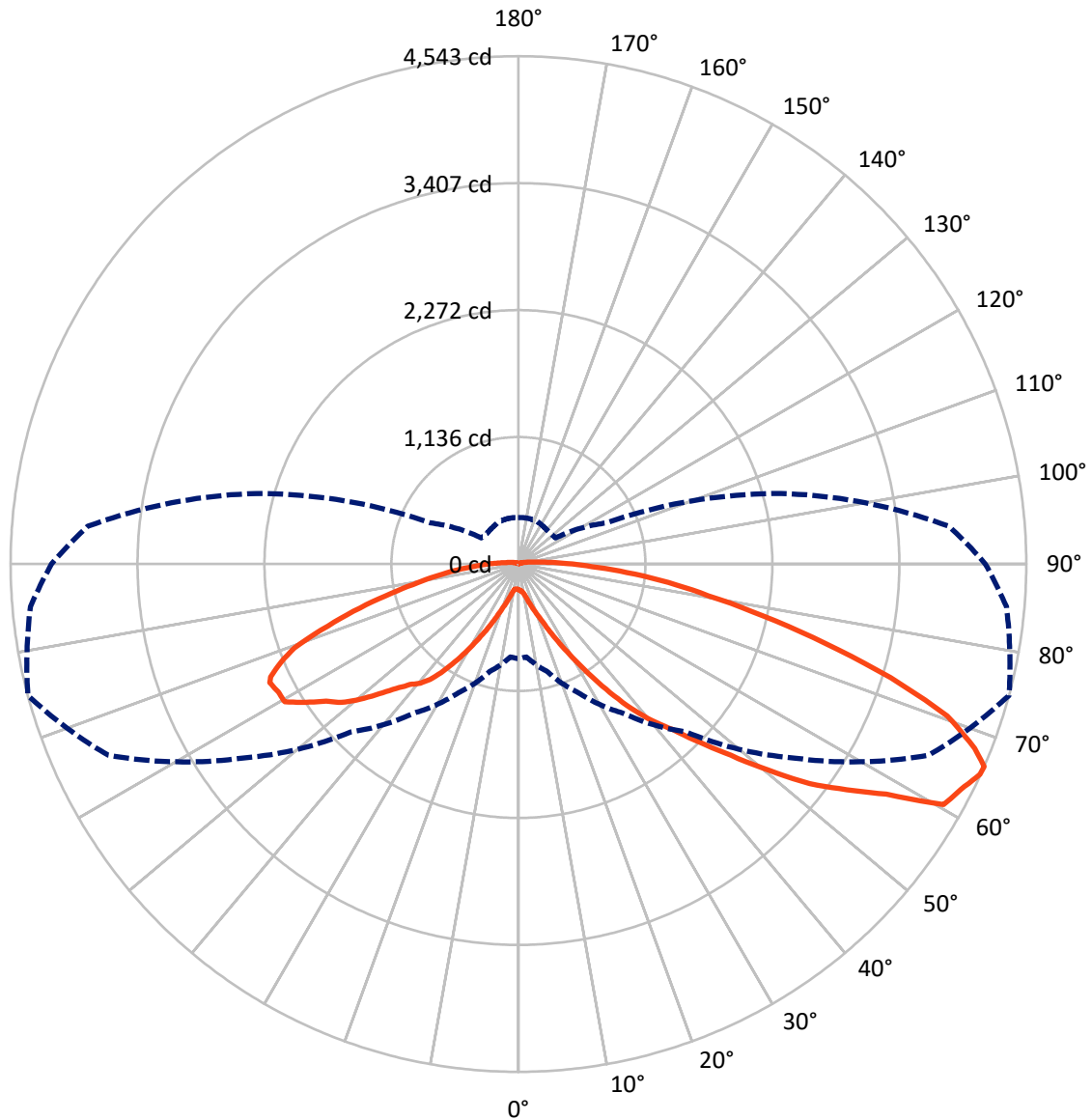
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc
 Type II - Short - Non-Cutoff

REPORT NUMBER: P417073
CATALOG NUMBER: LXF.LXT-PA1-90-727-U-T2U-A

Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

REPORT NUMBER: P417073

CATALOG NUMBER: LXF.LXT-PA1-90-727-U-T2U-A

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2220.5	108.4	2328.9
	% Fixture	28.4	1.4	29.8
Street Side	Lumens	5381.9	107.2	5489.1
	% Fixture	68.8	1.4	70.2
Total	Lumens	7602.4	215.6	7817.9
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.3	0.3
10°-20°	98.2	1.3
20°-30°	298.0	3.8
30°-40°	737.0	9.4
40°-50°	1330.8	17.0
50°-60°	1798.2	23.0
60°-70°	1805.1	23.1
70°-80°	1090.2	13.9
80°-90°	421.5	5.4
90°-100°	125.2	1.6
100°-110°	45.2	0.6
110°-120°	21.9	0.3
120°-130°	12.9	0.2
130°-140°	7.7	0.1
140°-150°	2.5	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7602.4	97.2
0°-180°	7817.9	100.0



REPORT NUMBER: P417073

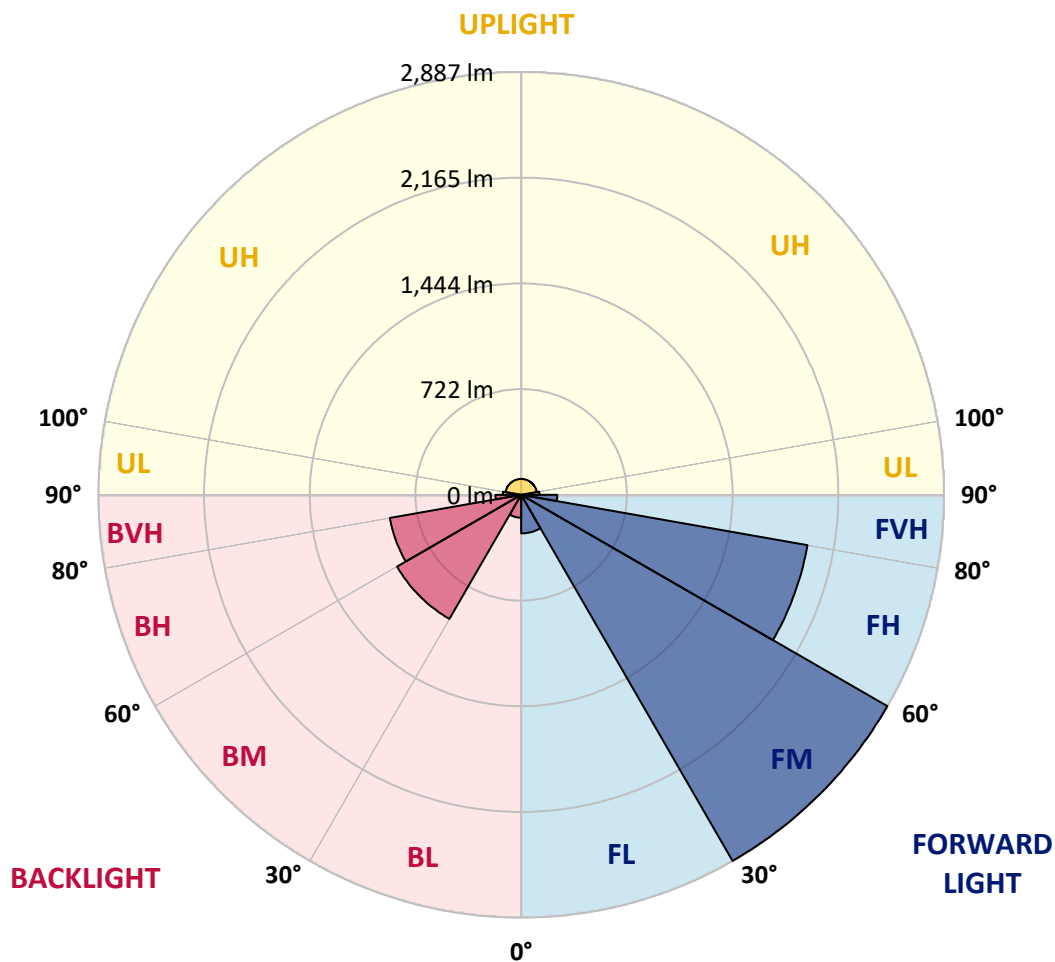
CATALOG NUMBER: LXF.LXT-PA1-90-727-U-T2U-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	263.4	3.4			
FM	(30°-60°)	2887.3	36.9			
FH	(60°-80°)	1985.1	25.4			G2/5000
FVH	(80°-90°)	246.2	3.1			G3/500
BL	(0°-30°)	156.1	2.0	B1/500		
BM	(30°-60°)	978.8	12.5	B1/1000		
BH	(60°-80°)	910.3	11.6	B2/1000		G2/1000
BVH	(80°-90°)	175.3	2.2			G2/225
UL	(90°-100°)	125.2	1.6		U3/500	
UH	(100°-180°)	108.4	1.4		U3/500	

BUG Rating: B2-U3-G3

Type II Short





REPORT NUMBER: P417073

CATALOG NUMBER: LXF.LXT-PA1-90-727-U-T2U-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	230.8	230.8	230.8	230.8	230.8	230.8	230.8	230.8	230.8	230.8	230.8
2.5°	254.2	252.4	250.6	248.8	247.0	245.2	241.6	237.1	233.5	233.5	229.9
5°	277.7	275.9	273.2	269.6	266.0	262.4	255.1	247.9	240.7	240.7	234.4
7.5°	306.5	305.6	302.0	297.5	289.4	281.3	272.3	261.5	251.5	250.6	242.5
10°	343.5	341.7	336.3	330.0	321.0	310.1	297.5	284.0	269.6	268.7	258.8
12.5°	394.9	391.3	382.3	372.4	355.2	344.4	330.0	317.4	306.5	303.8	290.3
15°	461.6	457.1	447.2	430.1	407.5	387.7	379.6	366.0	354.3	350.7	338.1
17.5°	547.3	542.8	525.6	498.6	475.1	455.3	437.3	423.7	413.8	412.9	394.9
20°	664.5	653.7	625.7	587.8	557.2	532.8	507.6	492.3	482.3	478.7	467.9
22.5°	808.7	806.0	766.3	716.8	666.3	622.1	594.1	577.0	569.8	570.7	564.4
25°	992.6	984.5	946.7	874.5	798.8	742.9	704.1	693.3	692.4	686.1	683.4
27.5°	1189.2	1178.4	1128.8	1059.4	959.3	883.6	840.3	828.6	831.3	824.1	829.5
30°	1429.9	1424.5	1352.4	1251.4	1143.2	1044.0	999.0	989.0	995.4	1004.4	999.0
32.5°	1727.4	1735.6	1637.3	1501.1	1349.7	1235.2	1185.6	1182.0	1191.0	1189.2	1186.5
35°	2089.9	2104.3	1968.2	1803.2	1594.9	1458.8	1396.6	1392.1	1410.1	1408.3	1410.1
37.5°	2477.6	2483.9	2373.0	2111.5	1869.0	1680.6	1629.2	1623.8	1640.9	1631.0	1621.1
40°	2783.2	2813.0	2683.1	2458.6	2142.2	1950.1	1887.9	1858.2	1842.8	1832.0	1759.9
42.5°	3072.6	3054.6	2962.6	2712.9	2422.6	2213.4	2130.5	2074.6	2025.0	2017.8	1938.4
45°	3261.9	3239.4	3152.0	2921.1	2648.9	2475.8	2399.1	2331.5	2275.6	2250.4	2154.8
47.5°	3272.8	3261.9	3241.2	3068.1	2830.1	2679.5	2654.3	2618.2	2556.9	2557.8	2435.2
50°	3107.8	3090.6	3151.0	3085.2	2920.2	2840.9	2936.5	2976.1	2897.7	2889.6	2762.5
52.5°	2815.7	2806.6	2916.6	2981.6	2922.9	2953.6	3180.8	3325.1	3263.7	3231.3	3067.2
55°	2519.9	2530.8	2626.3	2730.9	2827.4	2986.1	3397.2	3684.8	3564.0	3542.3	3337.7
57.5°	2116.9	2153.0	2295.4	2459.5	2611.0	2941.0	3510.8	3912.9	3882.2	3874.1	3699.2
60°	1675.1	1671.5	1882.5	2121.4	2370.3	2792.2	3517.1	4199.6	4370.0	4331.2	4084.2
62.5°	1301.0	1310.0	1461.5	1760.8	2094.4	2565.9	3430.5	4327.6	4441.2	4397.0	4181.6
65°	942.2	956.6	1141.4	1383.0	1759.9	2260.3	3184.4	4153.6	4537.7	4510.6	4388.9
66°	846.6	834.0	996.3	1270.3	1628.3	2125.0	3029.3	4048.1	4543.1	4527.8	4382.6
67.5°	680.7	696.9	822.2	1061.2	1416.4	1909.6	2748.9	3879.5	4402.5	4381.7	4284.3
70°	504.0	519.3	605.0	796.1	1074.7	1522.8	2272.9	3351.2	4070.7	4086.0	4075.2
72.5°	373.3	389.5	448.1	586.0	795.2	1132.4	1801.4	2824.7	3481.0	3517.1	3491.8
75°	290.3	296.6	345.3	441.8	581.5	797.9	1332.5	2189.1	2833.7	2900.4	2923.8
77.5°	233.5	238.9	278.6	340.8	435.5	582.4	934.0	1631.9	2243.2	2290.0	2334.2
80°	188.4	192.0	224.5	274.1	333.6	416.5	630.2	1185.6	1721.1	1748.2	1813.1
82.5°	151.5	154.2	177.6	220.0	266.9	316.5	448.1	827.7	1351.5	1376.7	1458.8
85°	119.0	120.8	141.5	174.9	214.6	250.6	323.7	585.1	973.7	997.2	1096.3
87.5°	93.8	95.6	111.8	136.1	173.1	198.3	238.9	394.0	657.3	690.6	803.3
90°	73.9	74.8	86.6	105.5	134.3	161.4	187.5	275.0	438.2	457.1	520.2
92.5°	55.9	56.8	65.8	80.2	104.6	128.0	143.4	190.2	280.4	288.5	333.6
95°	41.5	42.4	49.6	58.6	78.4	100.1	110.9	133.4	176.7	187.5	199.3
97.5°	32.5	33.4	37.9	43.3	57.7	78.4	88.4	98.3	120.8	124.4	133.4
100°	27.9	27.9	30.7	34.3	43.3	61.3	69.4	77.5	91.1	91.1	96.5
102.5°	23.4	23.4	25.2	27.0	35.2	48.7	55.9	61.3	68.5	69.4	73.9
105°	20.7	20.7	21.6	23.4	29.8	39.7	46.0	48.7	53.2	53.2	55.0
107.5°	18.0	18.0	18.9	19.8	26.1	33.4	37.0	37.9	39.7	39.7	42.4



REPORT NUMBER: P417073

CATALOG NUMBER: LXF.LXT-PA1-90-727-U-T2U-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
110°	17.1	17.1	17.1	18.0	22.5	28.9	30.7	29.8	30.7	30.7	33.4
112.5°	16.2	15.3	15.3	16.2	20.7	25.2	25.2	24.3	24.3	24.3	27.0
115°	15.3	15.3	14.4	15.3	18.9	21.6	21.6	19.8	19.8	19.8	22.5
117.5°	15.3	15.3	14.4	14.4	17.1	19.8	18.9	17.1	16.2	17.1	19.8
120°	15.3	15.3	13.5	13.5	16.2	17.1	17.1	14.4	14.4	14.4	17.1
122.5°	15.3	15.3	13.5	13.5	15.3	16.2	15.3	12.6	12.6	12.6	15.3
125°	16.2	15.3	13.5	13.5	14.4	14.4	13.5	11.7	10.8	10.8	13.5
127.5°	16.2	16.2	14.4	13.5	13.5	13.5	12.6	10.8	9.9	9.9	12.6
130°	18.0	17.1	15.3	13.5	12.6	11.7	10.8	9.9	9.9	9.9	11.7
132.5°	18.0	18.0	15.3	12.6	11.7	10.8	9.9	8.1	9.0	9.0	10.8
135°	17.1	16.2	13.5	11.7	10.8	9.0	8.1	7.2	8.1	8.1	9.9
137.5°	15.3	14.4	12.6	9.9	9.0	7.2	6.3	5.4	6.3	6.3	8.1
140°	12.6	12.6	9.9	8.1	7.2	6.3	5.4	3.6	4.5	5.4	6.3
142.5°	10.8	9.9	8.1	6.3	5.4	4.5	3.6	2.7	3.6	3.6	4.5
145°	9.0	8.1	6.3	4.5	3.6	2.7	1.8	1.8	1.8	1.8	2.7
147.5°	7.2	6.3	4.5	2.7	1.8	1.8	0.9	0.9	1.8	1.8	1.8
150°	5.4	5.4	3.6	1.8	0.9	0.9	0.0	0.9	0.9	0.9	0.9
152.5°	4.5	4.5	2.7	0.9	0.0	0.0	0.0	0.0	0.9	0.9	0.9
155°	2.7	2.7	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.9	0.0	0.0	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



REPORT NUMBER: P417073

CATALOG NUMBER: LXF.LXT-PA1-90-727-U-T2U-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	230.8	230.8	230.8	230.8	230.8	230.8	230.8	230.8	230.8	230.8	230.8
2.5°	229.0	227.2	225.4	223.6	221.8	220.9	218.2	216.4	216.4	216.4	215.5
5°	231.7	228.1	223.6	220.0	215.5	211.9	209.2	206.5	204.7	204.7	204.7
7.5°	238.0	234.4	226.3	219.1	212.8	207.4	203.8	201.1	200.2	199.3	199.3
10°	252.4	246.1	235.3	224.5	215.5	208.3	204.7	202.9	202.0	202.0	202.0
12.5°	284.9	275.9	259.7	241.6	226.3	215.5	211.9	211.9	217.3	220.0	220.0
15°	328.2	320.1	301.1	275.9	251.5	233.5	230.8	237.1	244.3	247.9	247.0
17.5°	387.7	376.9	351.6	318.3	285.8	267.8	259.7	266.0	275.0	279.5	279.5
20°	458.0	447.2	412.9	367.8	328.2	308.3	295.7	295.7	307.4	311.0	312.9
22.5°	554.5	538.2	489.6	427.4	376.0	345.3	330.0	327.3	340.8	347.1	345.3
25°	662.7	650.0	593.2	500.4	433.7	384.1	363.3	363.3	380.5	394.9	395.8
27.5°	814.1	782.6	703.2	589.6	489.6	420.1	397.6	402.1	420.1	434.6	434.6
30°	972.8	950.3	834.0	684.3	543.7	453.5	421.0	428.3	444.5	460.7	460.7
32.5°	1164.9	1127.0	983.6	778.1	593.2	475.1	433.7	443.6	462.5	478.7	478.7
35°	1352.4	1321.7	1134.2	876.3	636.5	484.2	439.1	450.8	472.4	492.3	494.1
37.5°	1570.6	1503.8	1281.2	964.7	668.1	486.0	437.3	458.0	486.9	509.4	510.3
40°	1701.3	1621.1	1380.3	1030.5	682.5	479.6	437.3	463.4	487.8	495.9	495.0
42.5°	1856.4	1755.4	1449.8	1038.6	664.5	467.0	436.4	457.1	467.9	467.9	467.0
45°	2064.6	1951.0	1559.7	1043.1	627.5	451.7	429.2	442.7	440.0	431.9	429.2
47.5°	2319.8	2181.8	1699.5	1059.4	591.4	436.4	421.0	424.6	412.0	394.0	393.1
50°	2624.5	2462.2	1863.6	1076.5	559.9	423.7	413.8	410.2	397.6	382.3	380.5
52.5°	2910.3	2714.7	2012.3	1088.2	533.7	415.6	408.4	407.5	394.9	375.1	373.3
55°	3169.1	2934.7	2112.4	1065.7	510.3	412.0	408.4	409.3	393.1	373.3	370.6
57.5°	3543.2	3286.3	2271.1	1032.3	482.3	411.1	411.1	412.0	392.2	373.3	370.6
60°	3868.7	3582.9	2427.1	1029.6	455.3	410.2	412.0	411.1	396.7	385.0	382.3
62.5°	3980.5	3708.2	2434.3	964.7	438.2	405.7	408.4	412.9	410.2	404.8	402.1
65°	4191.5	3894.0	2464.9	891.7	413.8	397.6	403.9	415.6	417.4	413.8	411.1
66°	4176.2	3867.8	2435.2	869.1	405.7	393.1	401.2	413.8	417.4	416.5	414.7
67.5°	4100.4	3800.2	2336.9	805.1	394.0	385.0	396.7	409.3	417.4	420.1	418.3
70°	3895.8	3596.4	2141.3	708.6	371.5	366.0	382.3	398.5	412.0	416.5	415.6
72.5°	3319.6	3034.7	1791.5	605.0	339.9	339.0	357.9	377.8	394.0	398.5	396.7
75°	2786.8	2506.4	1471.4	498.6	307.4	308.3	326.4	345.3	357.9	357.9	358.8
77.5°	2234.1	1997.0	1165.8	413.8	274.1	274.1	286.7	302.0	310.1	306.5	301.1
80°	1718.4	1561.5	910.6	346.2	240.7	238.9	245.2	257.0	263.3	255.1	248.8
82.5°	1387.5	1252.3	720.4	288.5	208.3	206.5	209.2	217.3	220.9	211.9	209.2
85°	1053.1	931.3	541.9	237.1	180.3	175.8	180.3	182.1	186.6	178.5	173.1
87.5°	744.7	660.0	393.1	197.4	154.2	151.5	150.6	152.4	155.1	149.7	147.0
90°	500.4	439.1	284.0	165.0	131.6	127.1	125.3	125.3	127.1	118.1	115.4
92.5°	321.0	284.0	197.4	131.6	110.0	104.6	101.0	101.9	101.0	92.0	90.2
95°	200.2	181.2	142.5	103.7	88.4	83.8	80.2	79.3	78.4	72.1	70.3
97.5°	130.7	124.4	106.4	82.0	70.3	66.7	64.9	64.0	64.0	59.5	56.8
100°	97.4	94.7	83.8	68.5	57.7	55.0	53.2	53.2	55.0	51.4	49.6
102.5°	75.7	76.6	68.5	57.7	48.7	46.9	45.1	45.1	46.9	45.1	44.2
105°	57.7	57.7	55.9	47.8	41.5	40.6	38.8	38.8	40.6	40.6	40.6
107.5°	45.1	46.9	45.1	39.7	36.1	35.2	33.4	33.4	35.2	36.1	37.0



REPORT NUMBER: P417073

CATALOG NUMBER: LXF.LXT-PA1-90-727-U-T2U-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	36.1	37.9	37.0	34.3	31.6	30.7	28.9	27.9	29.8	32.5	32.5
112.5°	28.9	30.7	30.7	28.9	27.0	27.0	25.2	24.3	26.1	28.9	28.9
115°	24.3	26.1	26.1	25.2	24.3	23.4	21.6	20.7	22.5	25.2	26.1
117.5°	20.7	22.5	22.5	22.5	21.6	20.7	18.9	18.0	18.9	21.6	22.5
120°	18.9	19.8	19.8	19.8	18.9	18.9	17.1	16.2	17.1	19.8	19.8
122.5°	16.2	17.1	18.0	18.0	17.1	17.1	15.3	13.5	14.4	17.1	18.0
125°	14.4	15.3	16.2	16.2	15.3	15.3	13.5	12.6	13.5	15.3	16.2
127.5°	13.5	14.4	14.4	14.4	14.4	13.5	11.7	10.8	11.7	14.4	14.4
130°	12.6	13.5	13.5	13.5	12.6	11.7	10.8	9.9	10.8	13.5	13.5
132.5°	11.7	12.6	12.6	11.7	11.7	10.8	9.0	8.1	9.9	11.7	11.7
135°	9.9	10.8	10.8	10.8	9.9	9.0	8.1	7.2	9.0	9.9	9.9
137.5°	8.1	9.0	9.0	9.0	8.1	7.2	6.3	6.3	7.2	9.0	9.0
140°	6.3	7.2	7.2	7.2	6.3	6.3	5.4	4.5	6.3	7.2	7.2
142.5°	4.5	5.4	5.4	5.4	4.5	4.5	3.6	3.6	5.4	6.3	6.3
145°	2.7	3.6	3.6	3.6	3.6	2.7	2.7	2.7	3.6	4.5	4.5
147.5°	1.8	2.7	2.7	2.7	2.7	1.8	0.9	1.8	2.7	3.6	3.6
150°	0.9	1.8	1.8	1.8	1.8	0.9	0.0	0.9	1.8	2.7	2.7
152.5°	0.9	0.9	1.8	1.8	0.9	0.9	0.0	0.0	0.9	0.9	0.9
155°	0.0	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.9	0.9	0.0
157.5°	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	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)