

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: P417344

Luminaire Tested: **LXF.LXT-PA1-90-827-U-T3-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417344
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-17)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-90-827-U-T3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6740 lumens
Efficiency: N/A
Efficacy: 71.7 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

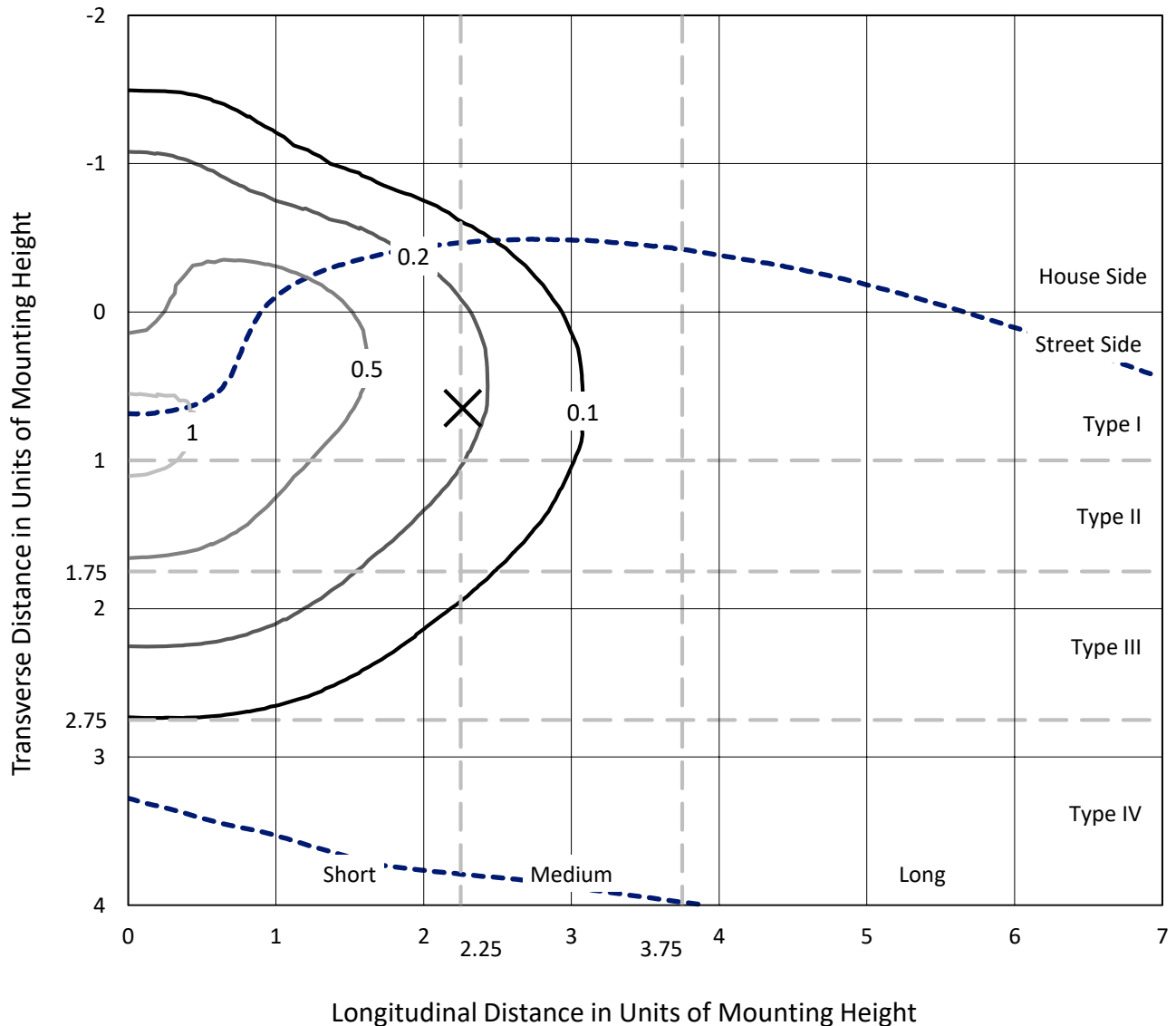
Input Watts (W): 94
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P417344
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

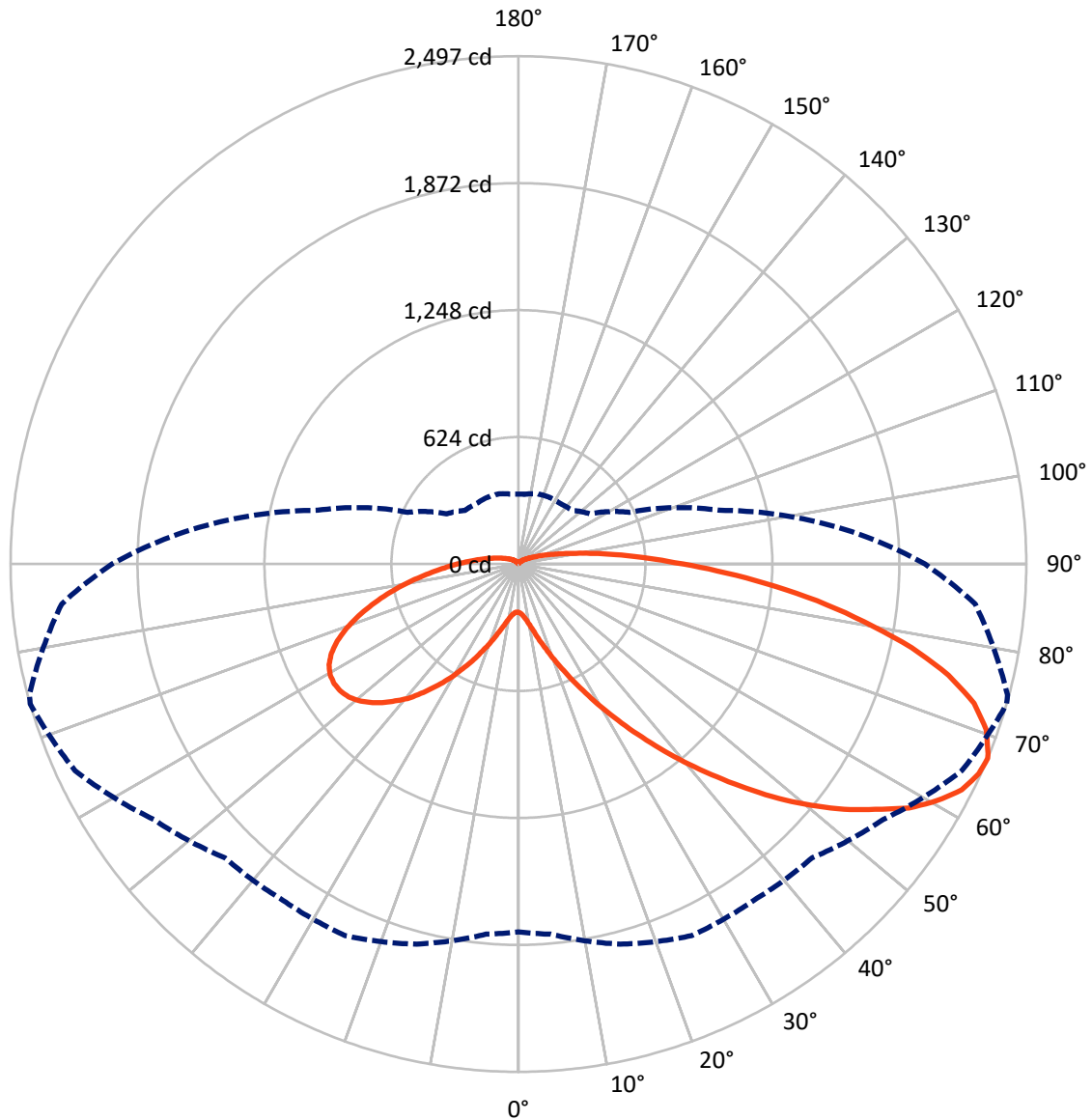


Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P417344

CATALOG NUMBER: LXF.LXT-PA1-90-827-U-T3-FL

Luminous Intensity Polar Plot



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

REPORT NUMBER: P417344

CATALOG NUMBER: LXF.LXT-PA1-90-827-U-T3-FL

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1624.7	200.9	1825.6
	% Fixture	24.1	3.0	27.1
Street Side	Lumens	4564.5	349.8	4914.4
	% Fixture	67.7	5.2	72.9
Total	Lumens	6189.2	550.8	6740.0
	% Fixture	91.8	8.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.0	0.4
10°-20°	103.4	1.5
20°-30°	261.8	3.9
30°-40°	525.3	7.8
40°-50°	881.8	13.1
50°-60°	1237.1	18.4
60°-70°	1382.7	20.5
70°-80°	1128.1	16.7
80°-90°	643.9	9.6
90°-100°	294.3	4.4
100°-110°	134.7	2.0
110°-120°	66.4	1.0
120°-130°	33.8	0.5
130°-140°	15.7	0.2
140°-150°	5.2	0.1
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6189.2	91.8
0°-180°	6740.0	100.0

Coefficient of Utilization



REPORT NUMBER: P417344

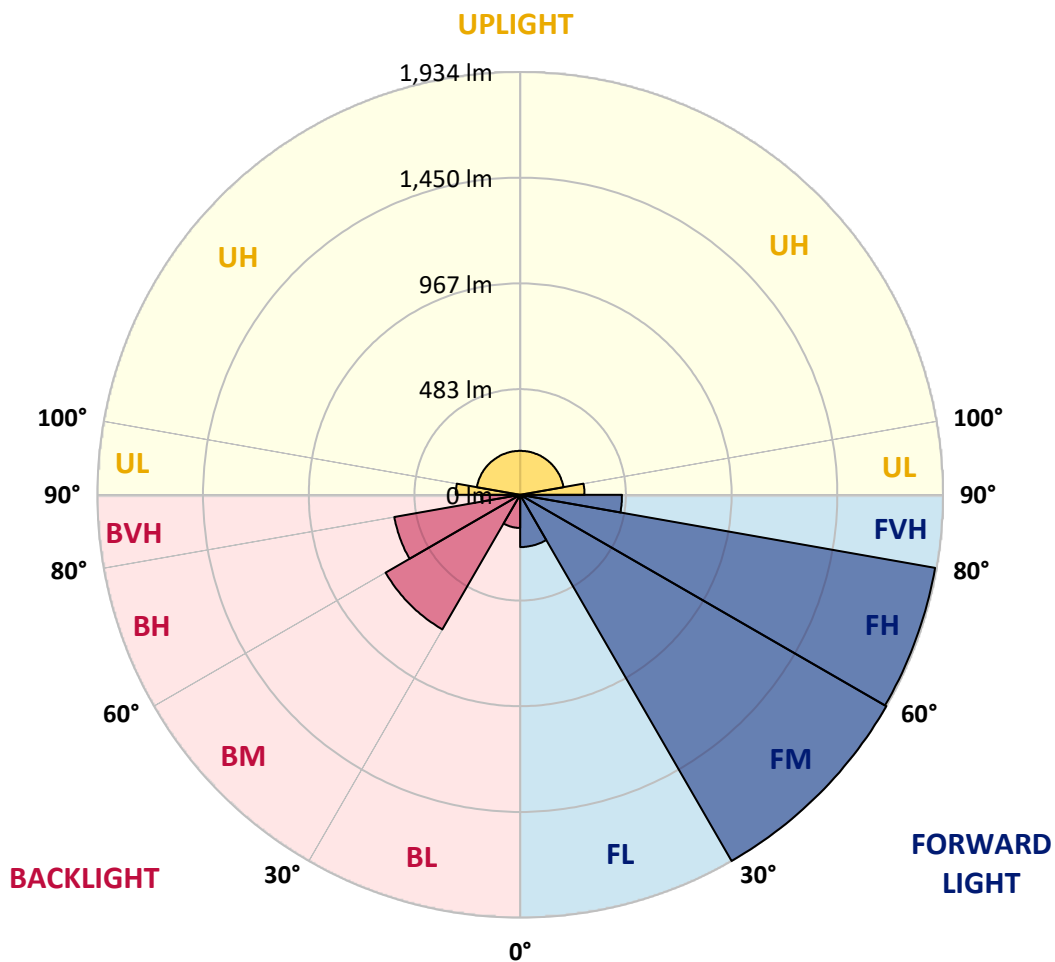
CATALOG NUMBER: LXF.LXT-PA1-90-827-U-T3-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	238.9	3.5			
FM	(30°-60°)	1933.5	28.7			
FH	(60°-80°)	1926.6	28.6			G2/5000
FVH	(80°-90°)	465.6	6.9			G3/500
BL	(0°-30°)	151.4	2.2	B1/500		
BM	(30°-60°)	710.7	10.5	B1/1000		
BH	(60°-80°)	584.2	8.7	B2/1000		G2/1000
BVH	(80°-90°)	178.3	2.6			G2/225
UL	(90°-100°)	294.3	4.4		U3/500	
UH	(100°-180°)	200.9	3.0		U3/500	

BUG Rating: B2-U3-G3

Type IV Medium





REPORT NUMBER: P417344

CATALOG NUMBER: LXF.LXT-PA1-90-827-U-T3-FL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	237.8	237.8	237.8	237.8	237.8	237.8	237.8	237.8	237.8	237.8	237.8
2.5°	258.4	256.8	256.8	255.2	254.4	251.2	248.9	245.7	244.1	243.3	240.9
5°	282.1	279.8	279.8	278.2	275.0	271.0	265.5	262.3	256.8	257.6	250.4
7.5°	310.7	309.9	308.3	305.1	301.2	296.4	290.9	283.7	277.4	277.4	268.7
10°	348.7	344.0	344.0	340.0	336.0	328.9	321.0	313.0	304.3	303.5	291.7
12.5°	394.7	393.9	389.1	383.6	377.2	370.1	357.4	349.5	340.8	340.0	327.3
15°	448.6	446.2	439.9	437.5	428.0	415.3	405.0	397.1	388.3	385.2	368.5
17.5°	512.0	508.8	506.4	494.5	486.6	476.3	464.4	454.1	439.1	437.5	419.2
20°	586.5	579.3	572.2	562.7	550.0	540.5	527.8	518.3	500.9	500.9	476.3
22.5°	664.9	663.3	657.0	641.2	623.7	614.2	602.3	583.3	569.0	565.1	538.1
25°	760.0	758.5	745.8	729.1	710.9	696.6	677.6	657.0	645.1	644.3	614.2
27.5°	867.8	870.2	848.0	826.6	802.0	779.1	758.5	748.1	732.3	729.9	695.0
30°	997.8	987.5	964.5	933.6	899.5	870.2	848.8	838.5	828.2	827.4	785.4
32.5°	1130.1	1118.3	1098.4	1055.7	1008.1	962.9	952.6	943.9	932.0	925.7	883.7
35°	1276.8	1267.3	1238.7	1182.5	1119.1	1069.9	1048.5	1050.1	1044.6	1041.4	990.7
37.5°	1438.4	1421.8	1383.0	1328.3	1234.8	1181.7	1157.1	1170.6	1167.4	1161.1	1108.0
40°	1590.6	1588.2	1547.0	1462.2	1367.9	1292.6	1276.0	1299.0	1295.0	1287.1	1228.4
42.5°	1766.6	1749.1	1703.1	1608.0	1493.9	1410.7	1392.5	1426.6	1431.3	1432.9	1354.4
45°	1917.1	1909.2	1865.6	1756.2	1624.7	1534.3	1519.3	1555.7	1571.6	1573.2	1486.8
47.5°	2063.8	2060.6	2016.2	1902.9	1752.3	1656.4	1636.6	1688.9	1722.2	1715.0	1612.8
50°	2173.9	2179.5	2143.8	2036.0	1879.1	1765.0	1769.7	1833.9	1864.8	1860.9	1747.5
52.5°	2268.2	2260.3	2245.2	2143.0	1979.7	1875.1	1880.7	1957.6	2003.5	2001.1	1875.1
55°	2303.1	2300.7	2302.3	2219.1	2062.2	1965.5	1982.1	2090.7	2128.7	2124.0	1978.9
57.5°	2296.0	2294.4	2318.9	2264.3	2128.7	2036.8	2074.8	2200.1	2262.7	2256.3	2088.3
60°	2242.1	2234.9	2288.0	2268.2	2155.7	2081.2	2147.8	2296.0	2363.3	2361.7	2177.9
62.5°	2120.8	2131.9	2205.6	2223.8	2147.8	2104.2	2191.3	2370.5	2445.8	2440.2	2242.1
65°	1952.0	1979.7	2068.5	2131.9	2093.9	2083.6	2207.2	2403.7	2487.0	2486.2	2265.1
67°	1807.8	1826.8	1934.6	2015.4	2017.8	2041.6	2189.0	2404.5	2496.5	2489.3	2254.0
67.5°	1757.0	1782.4	1891.8	1990.0	2000.3	2029.7	2181.8	2403.0	2490.1	2486.2	2248.4
70°	1527.2	1556.5	1676.2	1799.8	1863.2	1926.6	2116.9	2358.6	2439.4	2430.7	2184.2
72.5°	1294.2	1335.4	1448.7	1595.4	1688.1	1792.7	2004.3	2247.6	2342.7	2324.5	2059.0
75°	1070.7	1098.4	1208.6	1367.1	1487.6	1629.4	1850.6	2097.8	2183.4	2168.4	1899.7
77.5°	853.6	878.9	985.1	1144.4	1280.7	1440.0	1670.7	1910.0	1976.6	1967.9	1697.6
80°	673.7	691.9	794.1	936.0	1076.3	1246.7	1465.4	1679.4	1723.0	1729.3	1474.9
82.5°	518.3	542.1	630.9	756.1	888.4	1050.9	1241.1	1430.5	1478.9	1463.0	1246.7
85°	396.3	416.1	495.3	601.5	733.9	871.0	1040.6	1195.9	1217.3	1199.1	1010.5
87.5°	309.9	324.9	386.8	489.8	595.2	712.5	848.0	966.9	978.0	974.8	809.2
90°	240.1	253.6	305.1	386.8	483.4	584.1	690.3	773.5	768.0	772.7	638.0
92.5°	188.6	195.8	242.5	314.6	395.5	476.3	557.1	612.6	611.8	598.4	497.7
95°	153.0	156.9	197.3	257.6	322.6	386.8	447.0	482.7	481.1	466.8	388.3
97.5°	123.6	126.0	160.9	211.6	266.3	316.2	359.8	385.2	372.5	366.9	304.3
100°	101.4	103.0	133.1	176.7	221.9	264.7	295.6	305.9	288.5	285.3	239.3
102.5°	86.4	87.2	112.5	149.8	185.5	217.9	240.9	245.7	225.1	226.7	188.6
105°	73.7	74.5	94.3	127.6	157.7	182.3	198.9	196.5	179.9	177.5	150.6
107.5°	64.2	65.0	80.8	109.4	135.5	156.1	164.8	159.3	144.2	141.1	121.3



REPORT NUMBER: P417344

CATALOG NUMBER: LXF.LXT-PA1-90-827-U-T3-FL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	56.3	57.1	69.7	93.5	116.5	133.9	138.7	130.0	116.5	113.3	99.9
112.5°	50.7	50.7	61.0	80.8	101.4	115.7	117.3	108.6	93.5	91.9	83.2
115°	46.0	46.0	53.9	69.7	88.0	99.1	99.1	88.8	76.9	76.1	69.7
117.5°	42.0	42.0	47.6	61.0	76.1	85.6	84.0	74.5	64.2	63.4	60.2
120°	38.8	38.8	42.8	53.1	65.8	72.9	71.3	61.8	53.9	53.1	51.5
122.5°	35.7	36.5	38.8	46.8	57.1	62.6	61.0	53.1	46.0	45.2	45.2
125°	33.3	33.3	34.9	40.4	49.1	53.9	51.5	43.6	38.8	38.8	38.8
127.5°	30.9	30.9	31.7	35.7	42.0	45.2	42.8	36.5	34.1	33.3	34.1
130°	28.5	28.5	29.3	30.9	35.7	37.2	34.9	30.9	28.5	28.5	29.3
132.5°	26.2	26.2	26.2	26.9	29.3	30.9	28.5	25.4	24.6	24.6	25.4
135°	23.8	24.6	23.8	23.8	24.6	24.6	22.2	20.6	20.6	21.4	22.2
137.5°	21.4	21.4	20.6	19.8	19.8	19.0	17.4	16.6	17.4	17.4	18.2
140°	19.0	19.0	18.2	16.6	15.1	14.3	13.5	12.7	14.3	14.3	15.1
142.5°	16.6	16.6	15.1	13.5	11.1	9.5	8.7	9.5	11.1	11.1	11.9
145°	13.5	13.5	12.7	11.1	7.9	6.3	5.5	7.1	7.9	7.9	8.7
147.5°	11.1	10.3	9.5	7.9	5.5	4.0	3.2	4.8	5.5	5.5	6.3
150°	7.9	7.9	7.1	5.5	3.2	1.6	1.6	2.4	3.2	3.2	4.0
152.5°	5.5	5.5	4.8	3.2	1.6	0.0	0.8	1.6	1.6	1.6	2.4
155°	3.2	3.2	3.2	2.4	0.8	0.0	0.0	0.8	0.8	0.8	1.6
157.5°	1.6	1.6	1.6	1.6	0.8	0.0	0.0	0.0	0.8	0.8	0.8
160°	0.8	0.8	1.6	0.8	0.8	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: P417344

CATALOG NUMBER: LXF.LXT-PA1-90-827-U-T3-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	237.8	237.8	237.8	237.8	237.8	237.8	237.8	237.8	237.8	237.8	237.8
2.5°	239.3	237.8	236.2	233.8	232.2	230.6	229.0	228.2	228.2	227.5	228.2
5°	248.1	245.7	240.9	237.0	232.2	229.0	225.9	224.3	222.7	221.9	221.9
7.5°	263.9	260.7	252.8	245.7	238.6	233.0	229.0	225.1	223.5	222.7	222.7
10°	286.9	282.1	270.3	260.0	249.6	242.5	235.4	231.4	229.0	227.5	227.5
12.5°	319.4	311.5	296.4	279.0	265.5	256.0	247.3	243.3	242.5	242.5	242.5
15°	363.0	351.9	328.9	308.3	288.5	271.8	265.5	265.5	264.7	263.9	264.7
17.5°	408.2	395.5	366.9	340.8	316.2	299.6	289.3	286.9	286.1	285.3	286.1
20°	462.0	446.2	412.9	377.2	346.3	330.5	316.2	309.9	309.1	309.9	308.3
22.5°	523.1	505.6	456.5	413.7	379.6	357.4	340.8	332.1	333.7	333.7	332.9
25°	596.8	569.8	512.0	454.1	412.9	382.0	363.0	354.3	355.1	356.6	358.2
27.5°	671.3	640.4	566.7	496.1	442.2	406.6	384.4	374.9	374.1	378.8	378.0
30°	758.5	718.8	626.9	538.9	469.2	424.0	401.0	393.1	392.3	396.3	397.1
32.5°	852.0	802.8	689.5	581.7	493.0	439.1	412.9	407.4	405.8	409.7	410.5
35°	954.2	891.6	750.5	619.0	512.8	449.4	422.4	416.1	413.7	417.7	419.2
37.5°	1053.3	980.4	813.1	652.3	528.6	455.7	426.4	421.6	418.5	420.8	421.6
40°	1157.9	1080.2	876.5	682.4	538.1	458.9	428.0	423.2	420.0	420.0	420.0
42.5°	1272.8	1172.2	928.1	703.8	543.7	458.1	426.4	420.8	416.9	413.7	413.7
45°	1390.9	1271.2	981.2	721.2	544.5	454.1	422.4	417.7	411.3	405.0	404.2
47.5°	1505.8	1360.8	1027.9	730.7	542.1	448.6	416.9	410.5	405.0	395.5	395.5
50°	1617.6	1450.3	1066.7	735.5	535.0	442.2	411.3	405.0	397.9	385.2	383.6
52.5°	1719.8	1532.0	1096.1	733.9	524.7	433.5	404.2	398.6	389.9	374.9	374.9
55°	1820.4	1607.3	1114.3	723.6	512.0	424.0	397.9	392.3	382.8	366.9	365.4
57.5°	1902.9	1661.1	1121.4	707.7	497.7	413.7	391.5	386.0	377.2	359.8	359.8
60°	1972.6	1706.3	1116.7	687.1	481.9	404.2	383.6	380.4	372.5	355.8	355.8
62.5°	2013.0	1724.5	1098.4	661.0	463.6	393.9	376.5	374.9	367.7	351.9	351.9
65°	2021.7	1712.7	1061.2	628.5	445.4	382.0	368.5	367.7	363.0	347.9	346.3
67°	1998.0	1681.8	1020.0	600.7	429.6	372.5	361.4	361.4	357.4	344.0	343.2
67.5°	1989.3	1669.9	1008.9	593.6	426.4	370.9	359.8	360.6	356.6	343.2	340.8
70°	1913.2	1589.8	940.7	553.2	404.2	356.6	349.5	350.3	347.1	336.8	334.4
72.5°	1795.1	1474.9	860.7	514.4	382.0	342.4	335.2	338.4	335.2	327.3	322.6
75°	1635.8	1334.6	777.5	470.0	359.8	324.9	320.2	321.8	321.0	313.0	309.1
77.5°	1448.0	1180.1	688.7	428.8	335.2	307.5	302.7	305.1	303.5	296.4	291.7
80°	1244.3	1016.8	603.1	387.5	309.9	287.7	282.9	283.7	282.9	275.8	269.5
82.5°	1044.6	856.7	515.9	347.1	285.3	266.3	260.7	260.0	258.4	250.4	245.7
85°	862.3	703.8	440.6	308.3	260.0	242.5	237.8	234.6	232.2	223.5	220.3
87.5°	687.1	575.4	372.5	275.0	234.6	220.3	214.0	208.4	204.5	196.5	193.4
90°	548.4	463.6	317.8	240.9	211.6	198.9	190.2	183.1	178.3	169.6	164.8
92.5°	435.1	369.3	267.1	211.6	189.4	178.3	170.4	161.7	155.3	144.2	141.9
95°	344.8	297.2	225.1	185.5	168.0	158.5	151.4	141.9	133.1	122.0	119.7
97.5°	272.6	242.5	189.4	162.5	148.2	140.3	133.1	123.6	114.1	103.0	101.4
100°	217.9	195.0	162.5	141.9	132.4	124.4	117.3	108.6	96.7	85.6	85.6
102.5°	175.1	160.1	136.3	124.4	116.5	110.2	103.8	95.1	82.4	70.5	70.5
105°	141.9	132.4	117.3	108.6	103.0	98.3	91.9	81.6	69.0	59.4	59.4
107.5°	116.5	109.4	100.7	94.3	91.1	86.4	80.8	70.5	58.6	49.9	49.9



REPORT NUMBER: P417344

CATALOG NUMBER: LXF.LXT-PA1-90-827-U-T3-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	96.7	91.9	85.6	83.2	80.8	76.9	70.5	61.0	49.1	42.8	42.8
112.5°	80.8	78.5	73.7	72.9	71.3	68.2	61.8	52.3	41.2	37.2	37.2
115°	69.0	67.4	64.2	64.2	62.6	60.2	53.9	45.2	35.7	31.7	32.5
117.5°	58.6	57.9	56.3	56.3	55.5	53.1	46.8	38.8	30.1	28.5	28.5
120°	51.5	50.7	49.9	49.1	49.1	46.0	40.4	32.5	26.2	25.4	25.4
122.5°	44.4	44.4	43.6	43.6	42.8	39.6	34.9	27.7	23.0	22.2	22.2
125°	38.8	38.8	38.0	38.0	37.2	34.9	30.1	23.8	19.8	19.8	19.8
127.5°	34.1	34.1	33.3	33.3	32.5	29.3	25.4	19.8	17.4	17.4	18.2
130°	30.1	30.1	29.3	28.5	27.7	25.4	20.6	16.6	15.1	15.9	15.9
132.5°	26.2	25.4	25.4	24.6	23.0	20.6	17.4	14.3	13.5	14.3	14.3
135°	22.2	22.2	21.4	20.6	19.0	17.4	14.3	11.9	11.9	12.7	12.7
137.5°	19.0	19.0	18.2	16.6	15.9	13.5	11.1	9.5	10.3	11.1	11.1
140°	15.1	15.9	15.1	13.5	11.9	10.3	8.7	7.9	8.7	9.5	10.3
142.5°	12.7	12.7	11.9	10.3	8.7	7.1	6.3	6.3	7.9	8.7	8.7
145°	9.5	9.5	8.7	7.9	5.5	4.8	4.0	5.5	6.3	7.1	7.1
147.5°	6.3	6.3	6.3	4.8	3.2	2.4	2.4	4.0	5.5	5.5	5.5
150°	4.0	4.0	4.0	3.2	1.6	0.8	1.6	3.2	4.0	4.8	4.8
152.5°	2.4	2.4	2.4	1.6	0.8	0.0	0.8	2.4	3.2	3.2	3.2
155°	1.6	1.6	1.6	0.8	0.8	0.0	0.8	1.6	2.4	2.4	2.4
157.5°	0.8	0.8	0.8	0.8	0.0	0.0	0.0	1.6	1.6	1.6	1.6
160°	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.8	1.6	0.8	0.8
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

(END OF REPORT)