

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: P416937

Luminaire Tested: **LXF.LXT-PA1-80-827-U-T4W-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416937
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-18)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-80-827-U-T4W-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6195 lumens
Efficiency: N/A
Efficacy: 74.6 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 - G4

Input Watts (W): 83
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

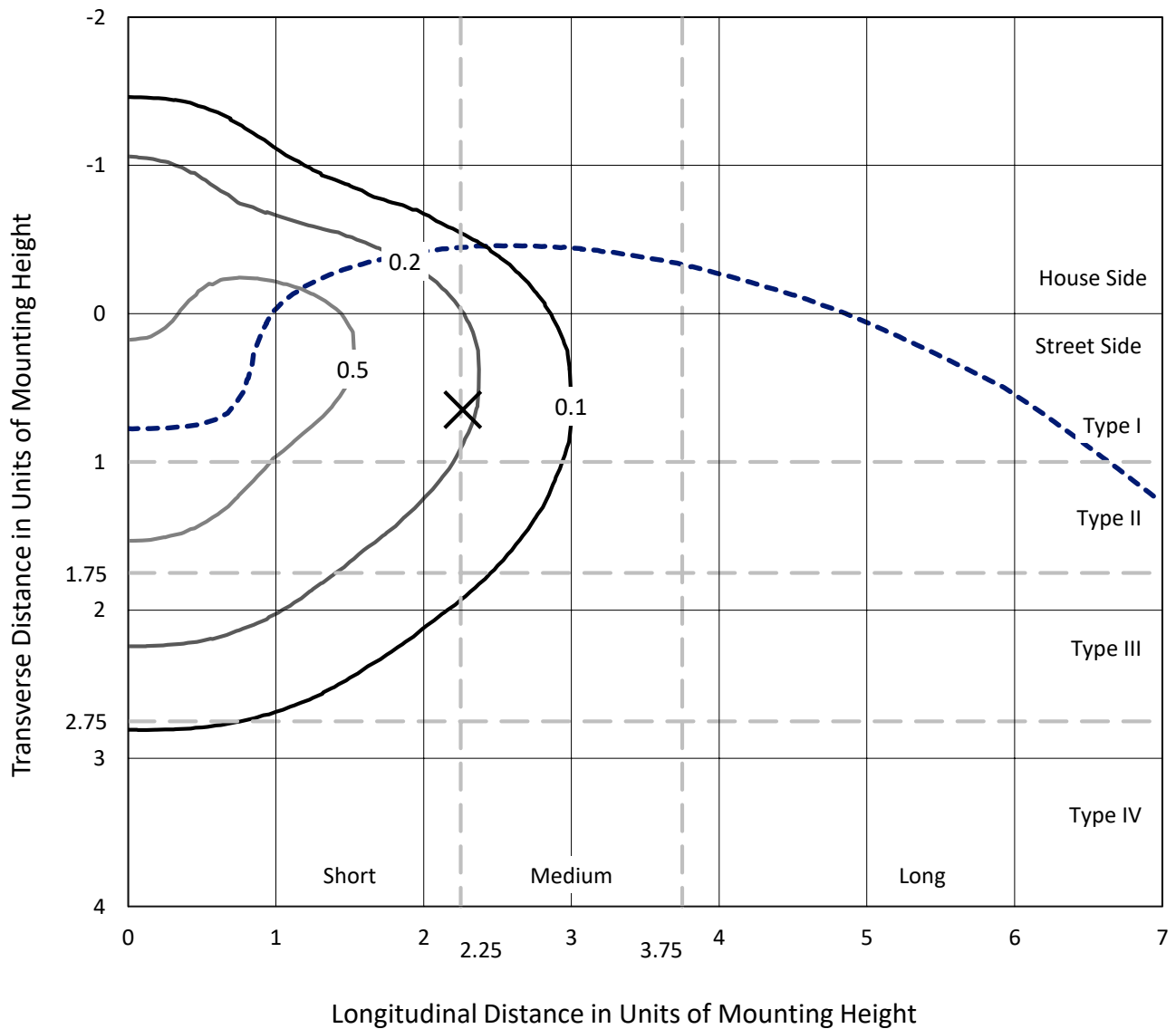


REPORT NUMBER: P416937

CATALOG NUMBER: LXF.LXT-PA1-80-827-U-T4W-FL

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

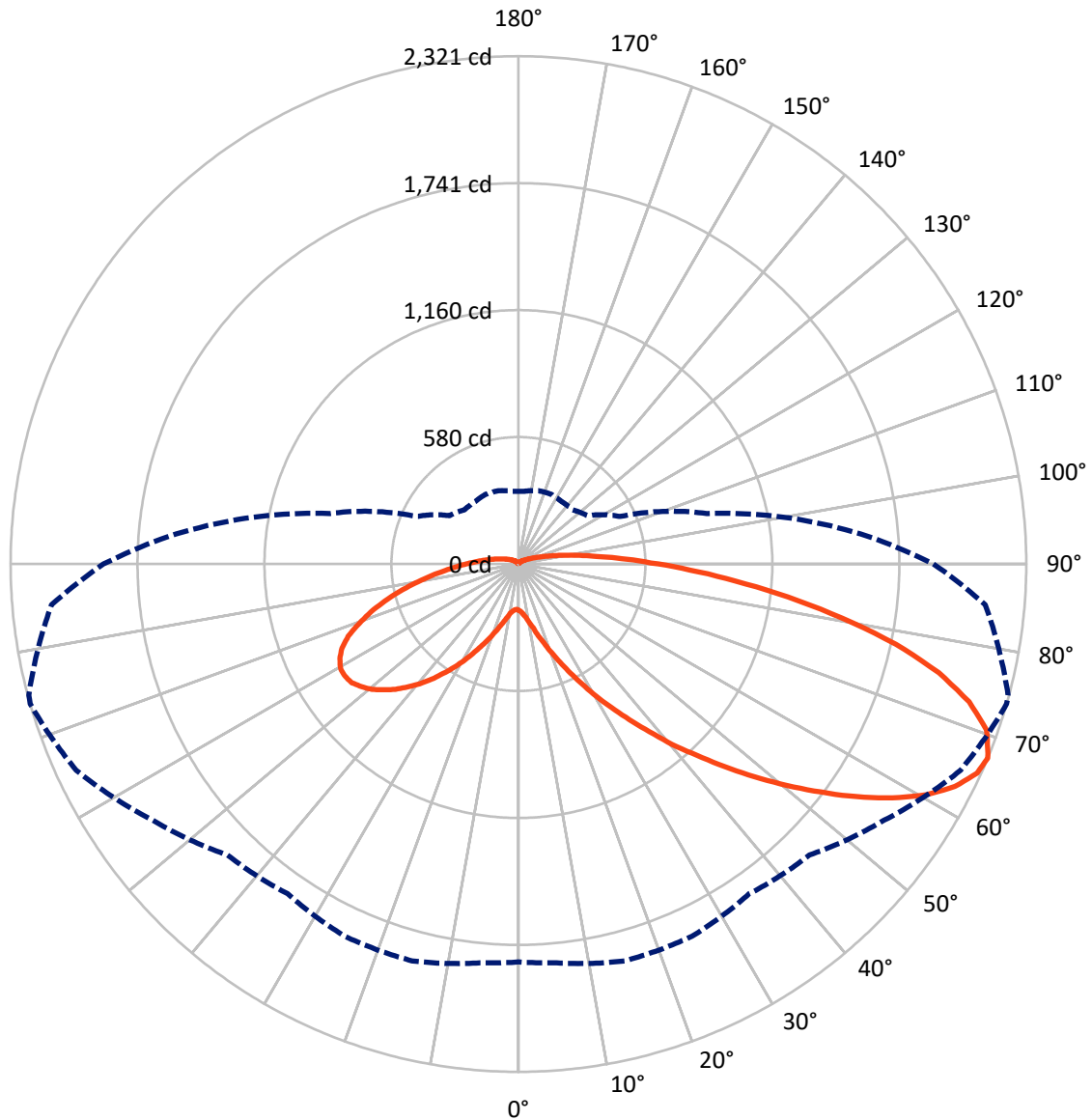


Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P416937

CATALOG NUMBER: LXF.LXT-PA1-80-827-U-T4W-FL

Luminous Intensity Polar Plot



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

REPORT NUMBER: P416937

CATALOG NUMBER: LXF.LXT-PA1-80-827-U-T4W-FL

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1444.6	173.6	1618.2
	% Fixture	23.3	2.8	26.1
Street Side	Lumens	4180.7	396.1	4576.8
	% Fixture	67.5	6.4	73.9
Total	Lumens	5625.2	569.7	6195.0
	% Fixture	90.8	9.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.1	0.4
10°-20°	90.3	1.5
20°-30°	224.2	3.6
30°-40°	437.8	7.1
40°-50°	724.0	11.7
50°-60°	1049.4	16.9
60°-70°	1270.1	20.5
70°-80°	1129.1	18.2
80°-90°	678.3	10.9
90°-100°	311.4	5.0
100°-110°	138.6	2.2
110°-120°	66.2	1.1
120°-130°	32.8	0.5
130°-140°	15.0	0.2
140°-150°	4.9	0.1
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5625.2	90.8
0°-180°	6195.0	100.0

Coefficient of Utilization



REPORT NUMBER: P416937

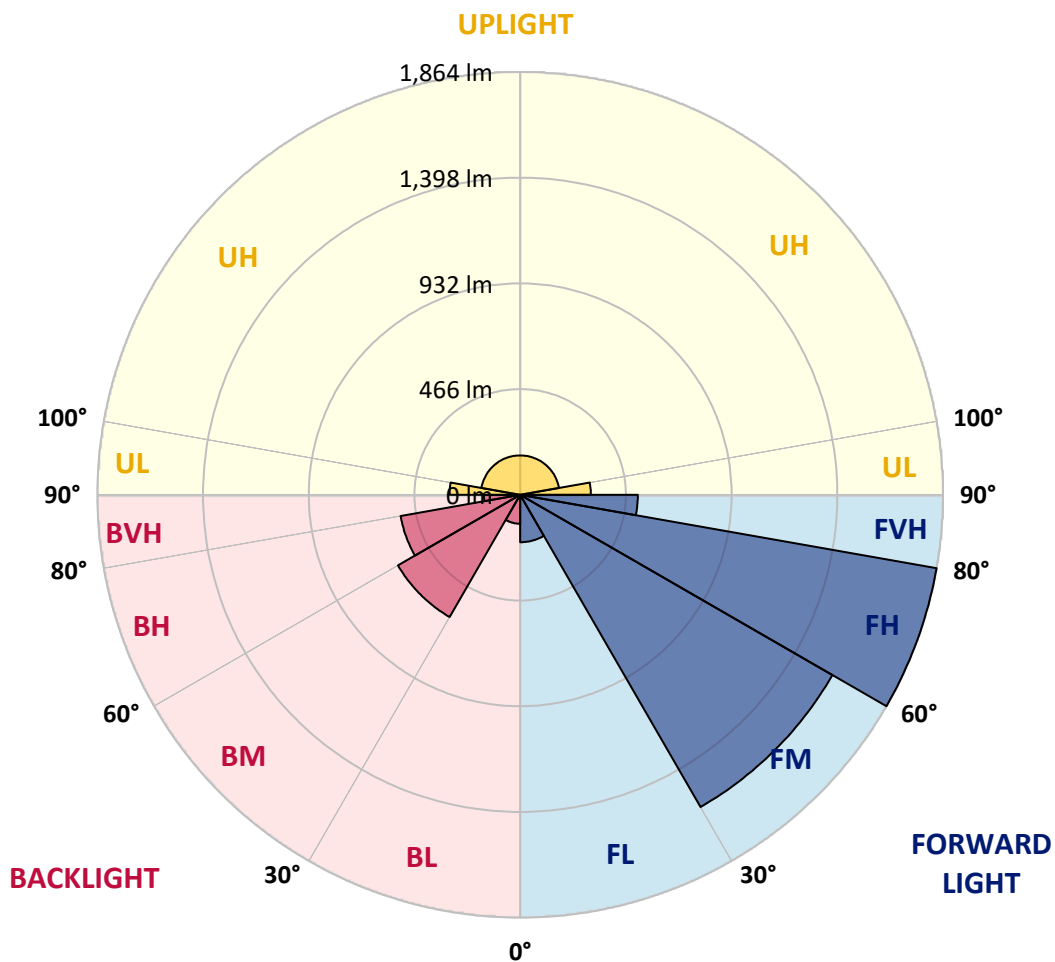
CATALOG NUMBER: LXF.LXT-PA1-80-827-U-T4W-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	208.9	3.4			
FM	(30°-60°)	1589.4	25.7			
FH	(60°-80°)	1863.9	30.1			G2/5000
FVH	(80°-90°)	518.4	8.4			G4/750
BL	(0°-30°)	127.6	2.1	B1/500		
BM	(30°-60°)	621.8	10.0	B1/1000		
BH	(60°-80°)	535.3	8.6	B2/1000		G2/1000
BVH	(80°-90°)	159.8	2.6			G2/225
UL	(90°-100°)	311.4	5.0		U3/500	
UH	(100°-180°)	173.6	2.8		U3/500	

BUG Rating: B2-U3-G4

Type IV Medium





REPORT NUMBER: P416937

CATALOG NUMBER: LXF.LXT-PA1-80-827-U-T4W-FL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	211.0	211.0	211.0	211.0	211.0	211.0	211.0	211.0	211.0	211.0	211.0
2.5°	233.0	230.8	230.8	229.4	228.6	226.4	225.0	219.8	217.6	217.6	213.9
5°	258.0	256.6	253.6	253.6	250.7	247.8	241.9	235.3	230.1	229.4	222.8
7.5°	288.9	285.2	285.2	281.6	277.2	272.0	263.9	255.1	247.0	246.3	236.0
10°	324.2	322.7	321.3	316.1	310.2	300.0	292.6	280.1	270.5	269.8	255.8
12.5°	367.6	365.4	361.0	355.8	345.5	338.2	324.9	311.0	298.5	299.2	283.0
15°	414.6	413.2	410.2	402.1	390.4	380.1	366.9	352.1	339.6	334.5	317.6
17.5°	468.3	465.4	461.7	452.9	439.6	429.3	411.7	397.7	381.6	382.3	358.0
20°	531.5	528.6	523.4	509.5	497.7	483.7	465.4	449.9	431.5	430.1	405.8
22.5°	594.0	595.5	583.0	568.3	557.3	541.1	523.4	503.6	487.4	485.9	458.0
25°	671.2	666.1	653.6	636.7	619.8	599.9	584.5	566.8	551.4	549.9	516.8
27.5°	752.1	747.7	730.8	709.4	686.7	664.6	651.4	633.0	621.2	619.0	585.2
30°	840.3	833.0	817.5	788.8	757.2	732.2	719.0	712.4	701.4	698.4	663.9
32.5°	939.6	930.0	907.2	872.7	827.1	799.1	793.3	787.4	783.0	778.5	746.2
35°	1038.1	1035.1	1001.3	958.7	913.8	877.1	866.8	876.3	873.4	870.4	835.9
37.5°	1141.7	1146.9	1110.1	1054.2	992.5	953.5	946.2	963.8	971.9	971.9	930.7
40°	1263.8	1259.4	1222.6	1154.2	1082.2	1036.6	1038.8	1065.3	1085.1	1080.7	1040.3
42.5°	1385.1	1375.5	1327.0	1260.1	1168.9	1123.3	1123.3	1163.8	1193.9	1194.7	1152.0
45°	1504.2	1493.9	1448.3	1360.8	1261.6	1212.3	1222.6	1271.8	1321.1	1314.5	1272.6
47.5°	1613.0	1608.6	1561.5	1468.1	1356.4	1304.9	1325.5	1399.0	1452.7	1452.7	1406.4
50°	1719.6	1713.7	1669.6	1564.4	1452.0	1401.2	1432.1	1521.8	1590.2	1593.9	1540.2
52.5°	1811.5	1807.8	1766.6	1662.2	1546.1	1494.6	1540.9	1653.4	1732.1	1740.2	1683.5
55°	1877.6	1879.8	1848.2	1749.0	1631.3	1588.7	1651.9	1784.3	1877.6	1879.1	1818.1
57.5°	1926.2	1929.1	1907.8	1821.8	1706.3	1674.0	1759.3	1910.7	2016.6	2023.2	1943.1
60°	1946.7	1951.9	1945.3	1873.2	1773.2	1752.7	1855.6	2023.9	2141.6	2143.8	2047.5
62.5°	1935.7	1940.9	1954.1	1902.6	1821.8	1821.0	1948.9	2122.4	2239.3	2242.3	2126.9
65°	1885.7	1893.8	1926.9	1902.6	1839.4	1863.7	2010.7	2198.2	2303.3	2307.0	2157.7
67°	1818.8	1829.1	1877.6	1876.9	1839.4	1880.6	2040.8	2229.8	2320.9	2316.5	2141.6
67.5°	1803.4	1813.7	1862.2	1869.5	1834.3	1882.8	2044.5	2233.5	2314.3	2313.6	2131.3
70°	1672.5	1690.9	1761.5	1796.8	1796.0	1865.1	2043.0	2213.6	2269.5	2262.1	2045.3
72.5°	1521.8	1544.6	1630.6	1698.2	1720.3	1810.0	1989.4	2134.9	2153.3	2144.5	1884.2
75°	1366.7	1379.2	1468.9	1565.2	1621.1	1716.6	1888.7	2010.0	1984.2	1962.9	1682.8
77.5°	1202.7	1207.9	1307.9	1415.9	1483.6	1593.9	1738.7	1826.9	1763.7	1746.0	1453.4
80°	1012.3	1033.7	1133.6	1246.1	1329.9	1429.9	1552.0	1604.9	1499.0	1482.8	1209.4
82.5°	856.5	869.7	960.9	1071.1	1165.2	1259.4	1338.8	1352.7	1241.7	1229.9	971.9
85°	699.1	710.9	806.5	908.7	996.9	1075.6	1128.5	1107.9	992.5	980.0	768.3
87.5°	578.6	587.4	653.6	757.2	835.2	891.8	919.7	894.0	783.7	766.1	593.3
90°	458.7	472.0	531.5	619.0	698.4	735.2	738.1	695.5	605.0	591.8	454.3
92.5°	370.5	379.3	436.0	508.7	571.2	599.2	591.8	555.8	472.7	457.3	351.4
95°	300.0	307.3	354.4	418.3	469.0	494.8	474.2	426.4	361.0	355.1	271.3
97.5°	249.2	250.7	287.5	344.8	385.2	398.5	382.3	338.9	282.3	270.5	208.1
100°	203.6	205.1	236.0	279.4	316.1	324.9	308.8	266.9	219.1	211.7	163.2
102.5°	165.4	169.1	192.6	231.6	258.8	265.4	248.5	211.7	169.1	163.9	127.2
105°	140.4	141.2	161.7	191.1	215.4	220.6	203.6	172.0	133.1	130.1	101.5
107.5°	119.1	119.1	135.3	161.0	180.1	183.1	169.8	140.4	105.1	102.2	82.3



REPORT NUMBER: P416937

CATALOG NUMBER: LXF.LXT-PA1-80-827-U-T4W-FL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	102.2	102.9	114.7	135.3	152.9	155.1	141.9	112.5	83.8	81.6	66.9
112.5°	89.0	90.4	98.5	114.7	130.1	132.3	119.1	91.9	68.4	65.4	55.9
115°	78.7	79.4	85.3	98.5	111.0	112.5	99.2	75.7	55.1	52.9	47.1
117.5°	69.8	70.6	75.0	86.0	95.6	96.3	83.1	62.5	46.3	44.1	41.2
120°	63.2	63.2	66.9	74.3	82.3	82.3	69.8	51.5	38.2	37.5	35.3
122.5°	57.3	57.3	59.5	64.7	70.6	69.1	58.1	42.6	32.3	31.6	30.9
125°	52.2	52.2	53.7	56.6	60.3	58.1	47.8	35.3	27.9	27.2	27.2
127.5°	47.1	47.1	47.8	50.0	50.7	48.5	39.7	29.4	24.3	23.5	24.3
130°	42.6	42.6	42.6	42.6	42.6	41.2	32.3	24.3	20.6	20.6	21.3
132.5°	38.2	38.2	37.5	36.8	36.0	33.1	26.5	19.8	18.4	18.4	19.1
135°	33.8	33.8	33.1	31.6	29.4	25.7	19.8	16.2	15.4	15.4	16.2
137.5°	29.4	29.4	28.7	26.5	23.5	19.8	15.4	13.2	13.2	13.2	14.0
140°	25.0	25.0	24.3	22.1	18.4	14.7	11.8	10.3	11.0	11.0	11.8
142.5°	21.3	20.6	19.8	17.6	14.0	10.3	8.1	8.1	8.8	8.8	9.6
145°	16.9	16.2	15.4	13.2	10.3	7.4	5.9	5.9	6.6	6.6	7.4
147.5°	13.2	12.5	11.8	9.6	7.4	5.1	3.7	4.4	5.1	5.1	5.1
150°	8.8	8.8	8.8	7.4	4.4	2.9	2.2	2.9	2.9	2.9	3.7
152.5°	5.9	5.9	5.9	4.4	2.9	1.5	1.5	1.5	2.2	2.2	2.2
155°	3.7	3.7	3.7	2.9	1.5	0.7	0.7	0.7	1.5	1.5	1.5
157.5°	1.5	1.5	1.5	1.5	1.5	0.7	0.0	0.7	0.7	0.7	0.7
160°	0.7	0.7	1.5	1.5	1.5	0.7	0.0	0.0	0.7	0.7	0.7
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: P416937

CATALOG NUMBER: LXF.LXT-PA1-80-827-U-T4W-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	211.0	211.0	211.0	211.0	211.0	211.0	211.0	211.0	211.0	211.0	211.0
2.5°	212.5	211.0	208.1	205.8	203.6	201.4	199.2	197.8	195.6	195.6	195.6
5°	219.8	216.1	210.3	205.8	200.7	197.0	192.6	189.7	187.5	186.7	186.7
7.5°	232.3	227.2	218.3	209.5	202.2	196.3	191.1	187.5	184.5	183.8	183.8
10°	250.0	243.3	229.4	219.1	209.5	201.4	194.8	189.7	187.5	186.0	186.0
12.5°	275.7	266.9	250.7	233.0	220.6	210.3	202.2	200.0	200.0	200.7	200.0
15°	306.6	297.7	275.7	255.1	236.7	225.0	220.6	220.6	219.8	221.3	221.3
17.5°	345.5	333.0	306.6	279.4	258.0	247.0	242.6	241.1	242.6	244.8	243.3
20°	391.8	373.5	340.4	306.6	283.8	272.7	265.4	263.9	266.1	267.6	268.3
22.5°	440.4	420.5	378.6	335.2	311.7	297.0	288.9	286.7	290.4	294.1	294.8
25°	495.5	473.5	419.8	369.8	336.7	316.9	309.5	308.8	314.7	319.8	319.8
27.5°	562.4	533.0	464.6	407.3	364.6	338.2	330.1	330.8	338.9	343.3	344.8
30°	632.2	599.2	516.1	441.8	386.7	355.1	346.3	349.9	358.0	366.9	368.3
32.5°	710.9	671.9	566.1	476.4	406.6	368.3	358.8	366.1	374.9	385.2	386.7
35°	793.3	741.1	617.5	508.0	422.7	378.6	367.6	376.4	387.4	397.0	399.9
37.5°	886.6	824.9	673.4	533.7	435.2	384.5	372.7	383.0	395.5	405.1	405.8
40°	982.2	910.9	726.4	558.0	444.0	388.2	375.7	386.0	397.7	405.8	406.6
42.5°	1082.2	998.4	775.6	577.8	448.5	388.2	374.2	384.5	395.5	399.9	400.7
45°	1199.1	1091.0	826.3	591.8	449.9	386.7	372.0	380.1	388.2	389.6	391.8
47.5°	1316.7	1182.9	869.7	602.1	449.2	383.0	368.3	374.9	380.1	378.6	380.8
50°	1440.9	1282.9	911.6	608.7	445.5	379.3	363.2	369.1	370.5	366.1	366.1
52.5°	1560.0	1369.6	944.0	609.5	440.4	374.9	359.5	363.9	363.2	355.1	355.8
55°	1679.1	1462.3	971.2	602.8	433.0	370.5	355.8	358.8	356.6	347.0	345.5
57.5°	1781.3	1537.2	982.9	593.3	424.9	366.1	353.6	356.6	352.1	341.1	340.4
60°	1868.1	1595.3	983.7	580.1	415.4	362.4	351.4	355.1	351.4	338.2	336.7
62.5°	1921.7	1621.8	964.5	559.5	405.8	358.0	351.4	354.4	349.9	336.7	336.0
65°	1930.6	1608.6	933.7	535.9	394.8	353.6	349.9	353.6	349.2	335.2	333.8
67°	1896.0	1570.3	891.8	513.9	385.2	349.9	347.0	352.1	347.0	333.8	331.6
67.5°	1884.2	1552.7	882.2	510.9	383.0	348.5	346.3	350.7	346.3	333.0	330.8
70°	1781.3	1456.4	810.2	478.6	369.1	341.1	341.1	344.8	340.4	327.9	324.2
72.5°	1622.5	1321.1	738.1	447.7	353.6	330.1	332.3	336.0	331.6	319.8	315.4
75°	1438.7	1168.9	658.0	411.7	336.0	319.1	320.5	324.2	319.8	307.3	303.6
77.5°	1234.4	993.2	577.1	378.6	317.6	304.4	305.1	307.3	303.6	291.1	287.5
80°	1015.3	819.0	494.8	341.1	296.3	286.0	286.7	286.7	281.6	271.3	268.3
82.5°	818.2	665.3	422.0	308.0	272.7	265.4	265.4	264.7	258.0	249.2	244.8
85°	636.7	536.7	353.6	274.2	249.2	242.6	241.9	238.9	232.3	222.8	217.6
87.5°	499.2	424.9	297.7	241.9	225.7	221.3	216.9	210.3	205.1	197.0	192.6
90°	389.6	337.4	251.4	212.5	202.9	197.0	192.6	184.5	176.4	168.4	166.1
92.5°	305.1	266.9	209.5	185.3	179.4	175.0	169.1	160.3	152.9	143.4	144.1
95°	241.9	216.9	178.6	163.2	158.8	155.1	147.8	138.2	130.1	121.3	119.8
97.5°	189.7	172.8	150.0	141.9	140.4	136.0	128.7	119.1	110.3	100.7	100.7
100°	150.7	141.2	126.4	125.0	122.0	119.1	111.7	102.9	91.9	83.8	83.8
102.5°	121.3	113.2	108.1	108.1	107.3	104.4	97.0	88.2	77.2	69.1	69.1
105°	97.0	94.1	91.9	94.1	94.8	91.9	84.5	75.0	64.0	56.6	58.1
107.5°	80.9	78.7	78.7	81.6	83.1	80.1	73.5	63.2	52.9	47.8	47.8



REPORT NUMBER: P416937

CATALOG NUMBER: LXF.LXT-PA1-80-827-U-T4W-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	66.9	66.2	67.6	71.3	72.0	69.8	63.2	53.7	44.1	39.7	40.4
112.5°	56.6	55.9	58.8	62.5	63.2	61.0	54.4	45.6	36.8	33.8	33.8
115°	47.8	48.5	50.7	53.7	55.1	52.9	47.1	39.0	30.1	28.7	28.7
117.5°	41.2	41.9	44.1	47.8	48.5	45.6	39.7	32.3	25.7	25.0	25.0
120°	36.0	36.8	39.0	41.2	41.9	39.0	33.8	27.2	22.1	21.3	21.3
122.5°	31.6	33.1	34.6	36.0	36.8	33.8	29.4	22.8	18.4	18.4	19.1
125°	27.9	28.7	30.1	31.6	31.6	28.7	24.3	19.1	16.2	16.2	16.2
127.5°	25.0	25.0	25.7	27.2	27.2	25.0	20.6	15.4	14.0	14.0	14.7
130°	22.1	22.8	22.8	22.8	22.8	20.6	16.9	13.2	11.8	12.5	12.5
132.5°	19.1	19.8	19.8	19.8	19.1	16.9	14.0	11.0	10.3	11.0	11.0
135°	16.9	16.9	16.9	16.9	15.4	14.0	11.0	8.8	8.8	9.6	9.6
137.5°	14.7	14.7	14.7	14.0	12.5	11.0	8.8	7.4	7.4	8.1	8.1
140°	11.8	12.5	11.8	11.0	9.6	8.1	6.6	5.9	6.6	6.6	6.6
142.5°	9.6	9.6	9.6	8.8	7.4	5.9	5.1	4.4	5.1	5.1	5.9
145°	7.4	7.4	7.4	6.6	5.1	3.7	3.7	3.7	4.4	4.4	4.4
147.5°	5.1	5.1	5.1	4.4	2.9	2.2	2.2	2.2	2.9	2.9	2.9
150°	3.7	3.7	3.7	2.9	1.5	0.7	0.7	1.5	2.2	2.2	2.2
152.5°	2.2	2.2	2.2	1.5	0.7	0.0	0.7	1.5	1.5	0.7	0.7
155°	1.5	1.5	1.5	1.5	0.7	0.0	0.7	0.7	0.7	0.0	0.0
157.5°	1.5	1.5	0.7	0.7	0.0	0.0	0.0	0.7	0.0	0.0	0.0
160°	0.7	0.7	0.7	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)