

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: P414025

Luminaire Tested: **LXF.LXT-PA1-100-827-U-T4W-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414025
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-PA1-100-827-U-T4W-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1200mA 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: 6763 lumens
Efficiency: N/A
Efficacy: 70.4 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

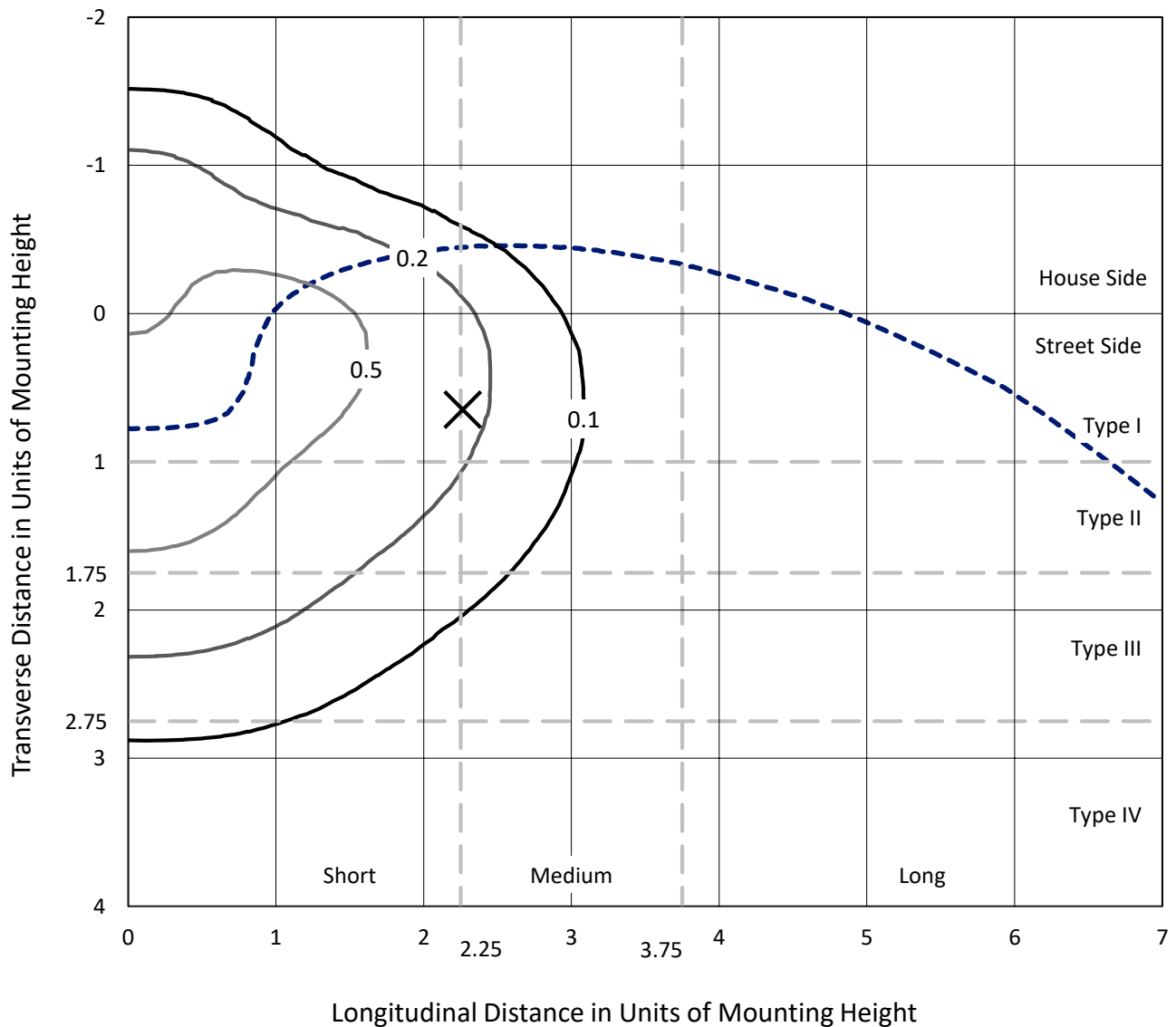
Input Watts (W): 96
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P414025
 CATALOG NUMBER: LXF.LXT-PA1-100-827-U-T4W-FL

Iso-Footcandle Lines of Horizontal Illumination

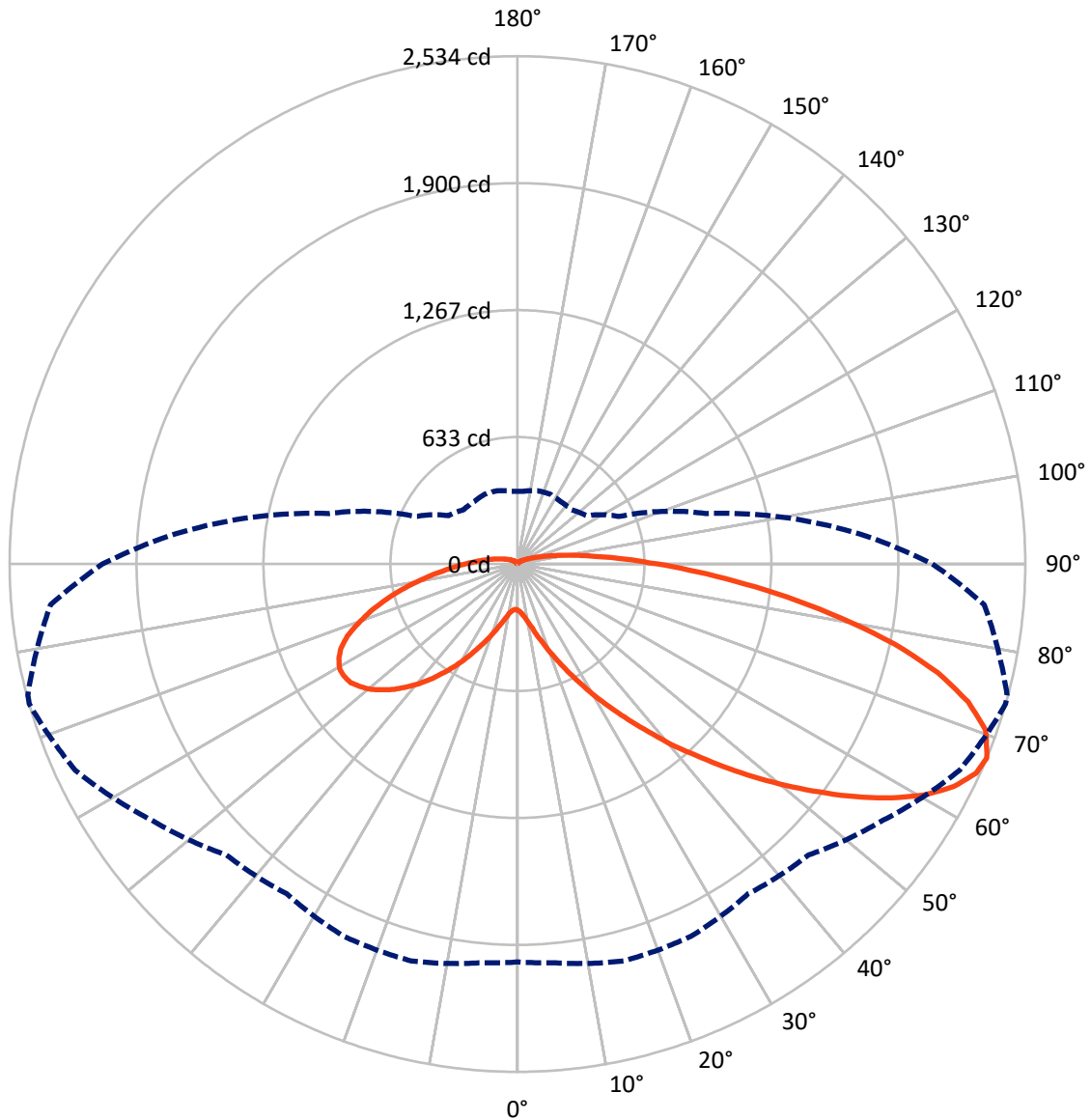
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P414025
CATALOG NUMBER: LXF.LXT-PA1-100-827-U-T4W-FL

Luminous Intensity Polar Plot



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

REPORT NUMBER: P414025

CATALOG NUMBER: LXF.LXT-PA1-100-827-U-T4W-FL

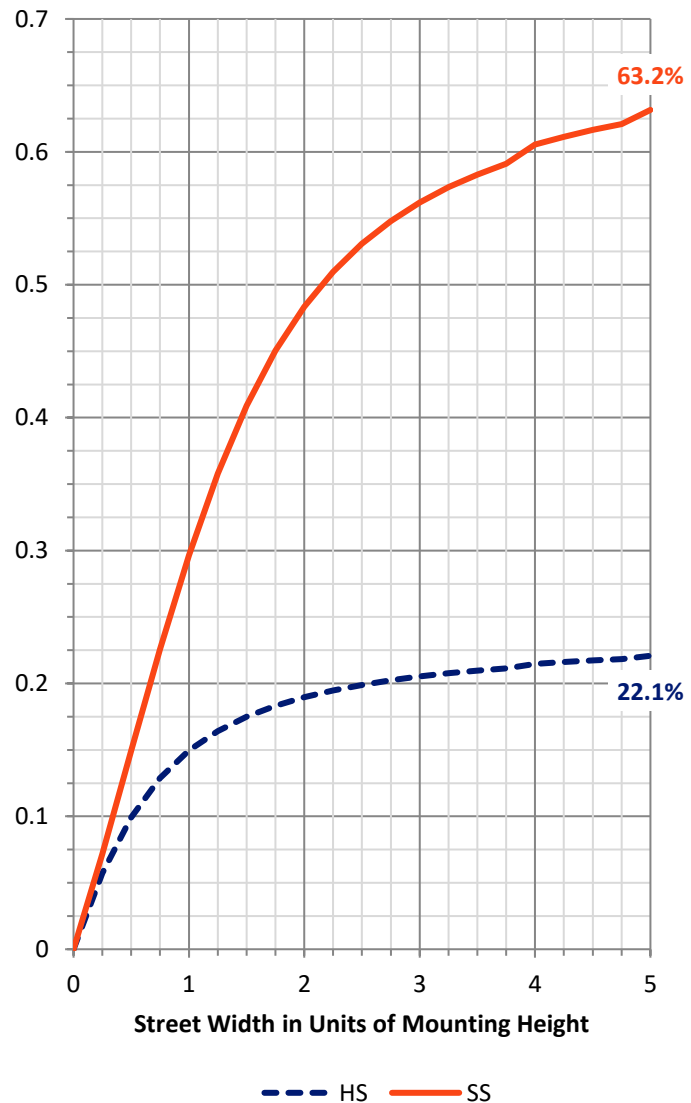
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1577.0	189.6	1766.6
	% Fixture	23.3	2.8	26.1
Street Side	Lumens	4564.0	432.4	4996.4
	% Fixture	67.5	6.4	73.9
Total	Lumens	6141.0	622.0	6763.0
	% Fixture	90.8	9.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.1	0.4
10°-20°	98.5	1.5
20°-30°	244.7	3.6
30°-40°	477.9	7.1
40°-50°	790.4	11.7
50°-60°	1145.6	16.9
60°-70°	1386.6	20.5
70°-80°	1232.7	18.2
80°-90°	740.5	10.9
90°-100°	340.0	5.0
100°-110°	151.4	2.2
110°-120°	72.2	1.1
120°-130°	35.8	0.5
130°-140°	16.4	0.2
140°-150°	5.4	0.1
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6141.0	90.8
0°-180°	6763.0	100.0



REPORT NUMBER: P414025

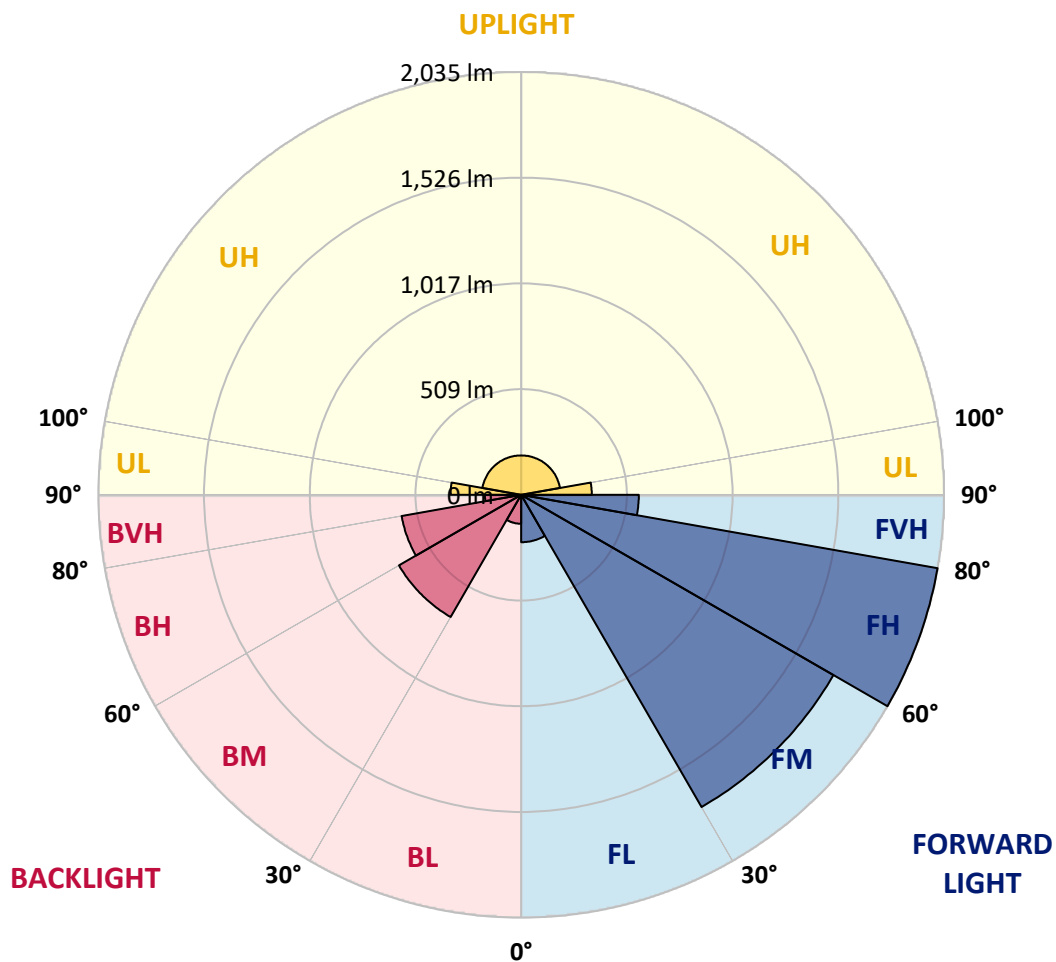
CATALOG NUMBER: LXF.LXT-PA1-100-827-U-T4W-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	228.0	3.4			
FM	(30°-60°)	1735.1	25.7			
FH	(60°-80°)	2034.8	30.1			G2/5000
FVH	(80°-90°)	566.0	8.4			G4/750
BL	(0°-30°)	139.3	2.1	B1/500		
BM	(30°-60°)	678.8	10.0	B1/1000		
BH	(60°-80°)	584.4	8.6	B2/1000		G2/1000
BVH	(80°-90°)	174.5	2.6			G2/225
UL	(90°-100°)	340.0	5.0		U3/500	
UH	(100°-180°)	189.6	2.8		U3/500	

BUG Rating: B2-U3-G4

Type IV Medium





REPORT NUMBER: P414025

CATALOG NUMBER: LXF.LXT-PA1-100-827-U-T4W-FL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	230.3	230.3	230.3	230.3	230.3	230.3	230.3	230.3	230.3	230.3	230.3
2.5°	254.4	252.0	252.0	250.4	249.6	247.2	245.6	240.0	237.6	237.6	233.6
5°	281.7	280.1	276.9	276.9	273.7	270.5	264.0	256.8	251.2	250.4	243.2
7.5°	315.4	311.4	311.4	307.4	302.6	297.0	288.1	278.5	269.7	268.9	257.6
10°	353.9	352.3	350.7	345.1	338.7	327.5	319.4	305.8	295.3	294.5	279.3
12.5°	401.3	398.9	394.1	388.4	377.2	369.2	354.7	339.5	325.8	326.6	309.0
15°	452.7	451.0	447.8	439.0	426.2	414.9	400.5	384.4	370.8	365.2	346.7
17.5°	511.2	508.0	504.0	494.4	479.9	468.7	449.4	434.2	416.5	417.3	390.9
20°	580.3	577.1	571.4	556.2	543.3	528.1	508.0	491.2	471.1	469.5	443.0
22.5°	648.5	650.1	636.4	620.4	608.4	590.7	571.4	549.8	532.1	530.5	500.0
25°	732.8	727.1	713.5	695.0	676.6	654.9	638.1	618.8	601.9	600.3	564.2
27.5°	821.0	816.2	797.8	774.5	749.6	725.5	711.1	691.0	678.2	675.8	638.9
30°	917.3	909.3	892.5	861.2	826.7	799.4	784.9	777.7	765.7	762.4	724.7
32.5°	1025.7	1015.3	990.4	952.7	902.9	872.4	866.0	859.6	854.7	849.9	814.6
35°	1133.2	1130.0	1093.1	1046.6	997.6	957.5	946.2	956.7	953.5	950.3	912.5
37.5°	1246.4	1252.0	1211.9	1150.9	1083.5	1040.9	1032.9	1052.2	1061.0	1061.0	1016.1
40°	1379.6	1374.8	1334.7	1260.0	1181.4	1131.6	1134.0	1162.9	1184.6	1179.8	1135.6
42.5°	1512.1	1501.6	1448.7	1375.6	1276.1	1226.3	1226.3	1270.5	1303.4	1304.2	1257.6
45°	1642.1	1630.8	1581.1	1485.6	1377.2	1323.5	1334.7	1388.5	1442.2	1435.0	1389.3
47.5°	1760.9	1756.0	1704.7	1602.7	1480.8	1424.6	1447.0	1527.3	1585.9	1585.9	1535.3
50°	1877.2	1870.8	1822.7	1707.9	1585.1	1529.7	1563.4	1661.3	1736.0	1740.0	1681.4
52.5°	1977.6	1973.5	1928.6	1814.6	1687.8	1631.6	1682.2	1805.0	1890.9	1899.7	1837.9
55°	2049.8	2052.2	2017.7	1909.3	1780.9	1734.4	1803.4	1947.9	2049.8	2051.4	1984.8
57.5°	2102.8	2106.0	2082.7	1988.8	1862.8	1827.5	1920.6	2085.9	2201.5	2208.7	2121.2
60°	2125.2	2130.8	2123.6	2045.0	1935.8	1913.3	2025.7	2209.5	2337.9	2340.3	2235.2
62.5°	2113.2	2118.8	2133.3	2077.1	1988.8	1988.0	2127.6	2317.0	2444.7	2447.9	2321.9
65°	2058.6	2067.4	2103.6	2077.1	2008.1	2034.5	2195.1	2399.7	2514.5	2518.5	2355.6
67°	1985.6	1996.8	2049.8	2049.0	2008.1	2053.0	2228.0	2434.2	2533.7	2528.9	2337.9
67.5°	1968.7	1980.0	2032.9	2041.0	2002.4	2055.4	2232.0	2438.2	2526.5	2525.7	2326.7
70°	1825.9	1845.9	1923.0	1961.5	1960.7	2036.1	2230.4	2416.6	2477.6	2469.5	2232.8
72.5°	1661.3	1686.2	1780.1	1854.0	1878.0	1975.9	2171.8	2330.7	2350.8	2341.1	2057.0
75°	1492.0	1505.6	1603.6	1708.7	1769.7	1874.0	2061.8	2194.3	2166.2	2142.9	1837.1
77.5°	1313.0	1318.6	1427.8	1545.8	1619.6	1740.0	1898.1	1994.4	1925.4	1906.1	1586.7
80°	1105.2	1128.4	1237.6	1360.4	1451.9	1561.0	1694.2	1752.0	1636.5	1618.8	1320.2
82.5°	935.0	949.5	1049.0	1169.4	1272.1	1374.8	1461.5	1476.7	1355.6	1342.7	1061.0
85°	763.3	776.1	880.4	992.0	1088.3	1174.2	1232.0	1209.5	1083.5	1069.8	838.7
87.5°	631.6	641.3	713.5	826.7	911.7	973.5	1004.0	975.9	855.5	836.3	647.7
90°	500.8	515.3	580.3	675.8	762.4	802.6	805.8	759.2	660.5	646.1	496.0
92.5°	404.5	414.1	475.9	555.4	623.6	654.1	646.1	606.7	516.1	499.2	383.6
95°	327.5	335.5	386.8	456.7	512.0	540.1	517.7	465.5	394.1	387.6	296.2
97.5°	272.1	273.7	313.8	376.4	420.6	435.0	417.3	370.0	308.2	295.3	227.1
100°	222.3	223.9	257.6	305.0	345.1	354.7	337.1	291.3	239.2	231.1	178.2
102.5°	180.6	184.6	210.3	252.8	282.5	289.7	271.3	231.1	184.6	179.0	138.8
105°	153.3	154.1	176.6	208.7	235.2	240.8	222.3	187.8	145.3	142.1	110.8
107.5°	130.0	130.0	147.7	175.8	196.6	199.8	185.4	153.3	114.8	111.6	89.9



REPORT NUMBER: P414025

CATALOG NUMBER: LXF.LXT-PA1-100-827-U-T4W-FL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	111.6	112.4	125.2	147.7	166.9	169.3	154.9	122.8	91.5	89.1	73.0
112.5°	97.1	98.7	107.5	125.2	142.1	144.5	130.0	100.3	74.6	71.4	61.0
115°	85.9	86.7	93.1	107.5	121.2	122.8	108.3	82.7	60.2	57.8	51.4
117.5°	76.2	77.0	81.9	93.9	104.3	105.1	90.7	68.2	50.6	48.2	44.9
120°	69.0	69.0	73.0	81.1	89.9	89.9	76.2	56.2	41.7	40.9	38.5
122.5°	62.6	62.6	65.0	70.6	77.0	75.4	63.4	46.5	35.3	34.5	33.7
125°	57.0	57.0	58.6	61.8	65.8	63.4	52.2	38.5	30.5	29.7	29.7
127.5°	51.4	51.4	52.2	54.6	55.4	53.0	43.3	32.1	26.5	25.7	26.5
130°	46.5	46.5	46.5	46.5	46.5	44.9	35.3	26.5	22.5	22.5	23.3
132.5°	41.7	41.7	40.9	40.1	39.3	36.1	28.9	21.7	20.1	20.1	20.9
135°	36.9	36.9	36.1	34.5	32.1	28.1	21.7	17.7	16.9	16.9	17.7
137.5°	32.1	32.1	31.3	28.9	25.7	21.7	16.9	14.4	14.4	14.4	15.2
140°	27.3	27.3	26.5	24.1	20.1	16.1	12.8	11.2	12.0	12.0	12.8
142.5°	23.3	22.5	21.7	19.3	15.2	11.2	8.8	8.8	9.6	9.6	10.4
145°	18.5	17.7	16.9	14.4	11.2	8.0	6.4	6.4	7.2	7.2	8.0
147.5°	14.4	13.6	12.8	10.4	8.0	5.6	4.0	4.8	5.6	5.6	5.6
150°	9.6	9.6	9.6	8.0	4.8	3.2	2.4	3.2	3.2	3.2	4.0
152.5°	6.4	6.4	6.4	4.8	3.2	1.6	1.6	1.6	2.4	2.4	2.4
155°	4.0	4.0	4.0	3.2	1.6	0.8	0.8	0.8	1.6	1.6	1.6
157.5°	1.6	1.6	1.6	1.6	1.6	0.8	0.0	0.8	0.8	0.8	0.8
160°	0.8	0.8	1.6	1.6	1.6	0.8	0.0	0.0	0.8	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



REPORT NUMBER: P414025

CATALOG NUMBER: LXF.LXT-PA1-100-827-U-T4W-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	230.3	230.3	230.3	230.3	230.3	230.3	230.3	230.3	230.3	230.3	230.3
2.5°	231.9	230.3	227.1	224.7	222.3	219.9	217.5	215.9	213.5	213.5	213.5
5°	240.0	236.0	229.5	224.7	219.1	215.1	210.3	207.1	204.7	203.9	203.9
7.5°	253.6	248.0	238.4	228.7	220.7	214.3	208.7	204.7	201.4	200.6	200.6
10°	272.9	265.7	250.4	239.2	228.7	219.9	212.7	207.1	204.7	203.1	203.1
12.5°	301.0	291.3	273.7	254.4	240.8	229.5	220.7	218.3	218.3	219.1	218.3
15°	334.7	325.0	301.0	278.5	258.4	245.6	240.8	240.8	240.0	241.6	241.6
17.5°	377.2	363.6	334.7	305.0	281.7	269.7	264.9	263.2	264.9	267.3	265.7
20°	427.8	407.7	371.6	334.7	309.8	297.8	289.7	288.1	290.5	292.1	292.9
22.5°	480.7	459.1	413.3	366.0	340.3	324.2	315.4	313.0	317.0	321.0	321.8
25°	540.9	516.9	458.3	403.7	367.6	345.9	337.9	337.1	343.5	349.1	349.1
27.5°	614.0	581.9	507.2	444.6	398.1	369.2	360.4	361.2	370.0	374.8	376.4
30°	690.2	654.1	563.4	482.3	422.2	387.6	378.0	382.0	390.9	400.5	402.1
32.5°	776.1	733.6	618.0	520.1	443.8	402.1	391.7	399.7	409.3	420.6	422.2
35°	866.0	809.0	674.2	554.6	461.5	413.3	401.3	410.9	423.0	433.4	436.6
37.5°	967.9	900.5	735.2	582.7	475.1	419.7	406.9	418.1	431.8	442.2	443.0
40°	1072.2	994.4	792.9	609.2	484.8	423.8	410.1	421.4	434.2	443.0	443.8
42.5°	1181.4	1089.9	846.7	630.8	489.6	423.8	408.5	419.7	431.8	436.6	437.4
45°	1309.0	1191.0	902.1	646.1	491.2	422.2	406.1	414.9	423.8	425.4	427.8
47.5°	1437.4	1291.3	949.5	657.3	490.4	418.1	402.1	409.3	414.9	413.3	415.7
50°	1573.1	1400.5	995.2	664.5	486.4	414.1	396.5	402.9	404.5	399.7	399.7
52.5°	1703.1	1495.2	1030.5	665.3	480.7	409.3	392.5	397.3	396.5	387.6	388.4
55°	1833.1	1596.3	1060.2	658.1	472.7	404.5	388.4	391.7	389.3	378.8	377.2
57.5°	1944.6	1678.2	1073.0	647.7	463.9	399.7	386.0	389.3	384.4	372.4	371.6
60°	2039.4	1741.6	1073.9	633.2	453.5	395.7	383.6	387.6	383.6	369.2	367.6
62.5°	2097.9	1770.5	1053.0	610.8	443.0	390.9	383.6	386.8	382.0	367.6	366.8
65°	2107.6	1756.0	1019.3	585.1	431.0	386.0	382.0	386.0	381.2	366.0	364.4
67°	2069.9	1714.3	973.5	561.0	420.6	382.0	378.8	384.4	378.8	364.4	362.0
67.5°	2057.0	1695.0	963.1	557.8	418.1	380.4	378.0	382.8	378.0	363.6	361.2
70°	1944.6	1589.9	884.4	522.5	402.9	372.4	372.4	376.4	371.6	358.0	353.9
72.5°	1771.3	1442.2	805.8	488.8	386.0	360.4	362.8	366.8	362.0	349.1	344.3
75°	1570.6	1276.1	718.3	449.4	366.8	348.3	349.9	353.9	349.1	335.5	331.5
77.5°	1347.5	1084.3	630.0	413.3	346.7	332.3	333.1	335.5	331.5	317.8	313.8
80°	1108.4	894.1	540.1	372.4	323.4	312.2	313.0	313.0	307.4	296.2	292.9
82.5°	893.3	726.3	460.7	336.3	297.8	289.7	289.7	288.9	281.7	272.1	267.3
85°	695.0	585.9	386.0	299.4	272.1	264.9	264.0	260.8	253.6	243.2	237.6
87.5°	545.0	463.9	325.0	264.0	246.4	241.6	236.8	229.5	223.9	215.1	210.3
90°	425.4	368.4	274.5	231.9	221.5	215.1	210.3	201.4	192.6	183.8	181.4
92.5°	333.1	291.3	228.7	202.2	195.8	191.0	184.6	175.0	166.9	156.5	157.3
95°	264.0	236.8	195.0	178.2	173.4	169.3	161.3	150.9	142.1	132.4	130.8
97.5°	207.1	188.6	163.7	154.9	153.3	148.5	140.5	130.0	120.4	110.0	110.0
100°	164.5	154.1	138.0	136.4	133.2	130.0	122.0	112.4	100.3	91.5	91.5
102.5°	132.4	123.6	118.0	118.0	117.2	114.0	105.9	96.3	84.3	75.4	75.4
105°	105.9	102.7	100.3	102.7	103.5	100.3	92.3	81.9	69.8	61.8	63.4
107.5°	88.3	85.9	85.9	89.1	90.7	87.5	80.3	69.0	57.8	52.2	52.2



REPORT NUMBER: P414025

CATALOG NUMBER: LXF.LXT-PA1-100-827-U-T4W-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	73.0	72.2	73.8	77.9	78.7	76.2	69.0	58.6	48.2	43.3	44.1
112.5°	61.8	61.0	64.2	68.2	69.0	66.6	59.4	49.8	40.1	36.9	36.9
115°	52.2	53.0	55.4	58.6	60.2	57.8	51.4	42.5	32.9	31.3	31.3
117.5°	44.9	45.7	48.2	52.2	53.0	49.8	43.3	35.3	28.1	27.3	27.3
120°	39.3	40.1	42.5	44.9	45.7	42.5	36.9	29.7	24.1	23.3	23.3
122.5°	34.5	36.1	37.7	39.3	40.1	36.9	32.1	24.9	20.1	20.1	20.9
125°	30.5	31.3	32.9	34.5	34.5	31.3	26.5	20.9	17.7	17.7	17.7
127.5°	27.3	27.3	28.1	29.7	29.7	27.3	22.5	16.9	15.2	15.2	16.1
130°	24.1	24.9	24.9	24.9	24.9	22.5	18.5	14.4	12.8	13.6	13.6
132.5°	20.9	21.7	21.7	21.7	20.9	18.5	15.2	12.0	11.2	12.0	12.0
135°	18.5	18.5	18.5	18.5	16.9	15.2	12.0	9.6	9.6	10.4	10.4
137.5°	16.1	16.1	16.1	15.2	13.6	12.0	9.6	8.0	8.0	8.8	8.8
140°	12.8	13.6	12.8	12.0	10.4	8.8	7.2	6.4	7.2	7.2	7.2
142.5°	10.4	10.4	10.4	9.6	8.0	6.4	5.6	4.8	5.6	5.6	6.4
145°	8.0	8.0	8.0	7.2	5.6	4.0	4.0	4.0	4.8	4.8	4.8
147.5°	5.6	5.6	5.6	4.8	3.2	2.4	2.4	2.4	3.2	3.2	3.2
150°	4.0	4.0	4.0	3.2	1.6	0.8	0.8	1.6	2.4	2.4	2.4
152.5°	2.4	2.4	2.4	1.6	0.8	0.0	0.8	1.6	1.6	0.8	0.8
155°	1.6	1.6	1.6	1.6	0.8	0.0	0.8	0.8	0.8	0.0	0.0
157.5°	1.6	1.6	0.8	0.8	0.0	0.0	0.0	0.8	0.0	0.0	0.0
160°	0.8	0.8	0.8	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)