

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: P415576

Luminaire Tested: **LXF.LXT-PA1-50-750-U-T3-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415576
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-PA1-50-750-U-T3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 670mA 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: 6004 lumens
Efficiency: N/A
Efficacy: 111.2 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

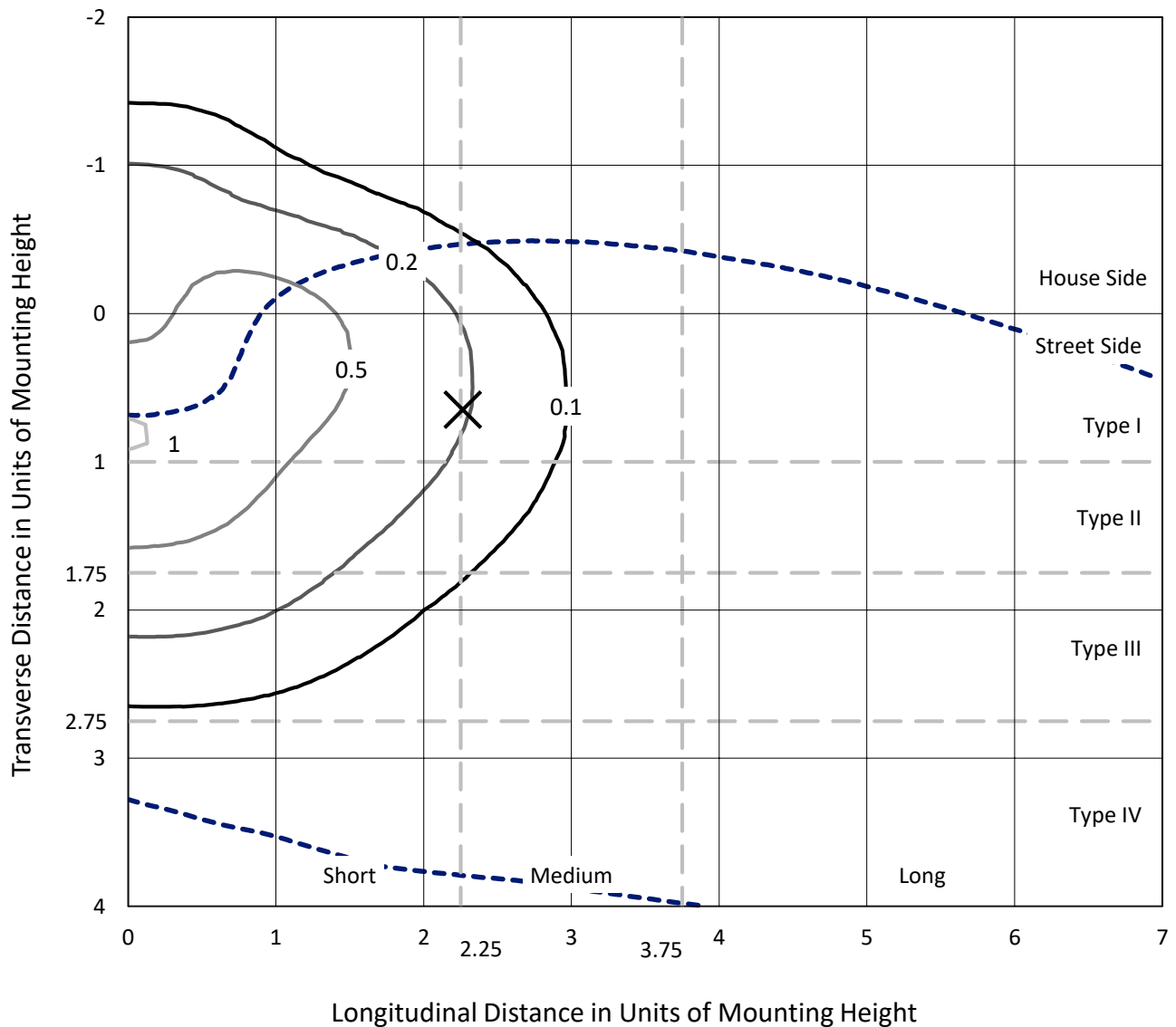
Input Watts (W): 54
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P415576
 CATALOG NUMBER: LXF.LXT-PA1-50-750-U-T3-FL

Iso-Footcandle Lines of Horizontal Illumination

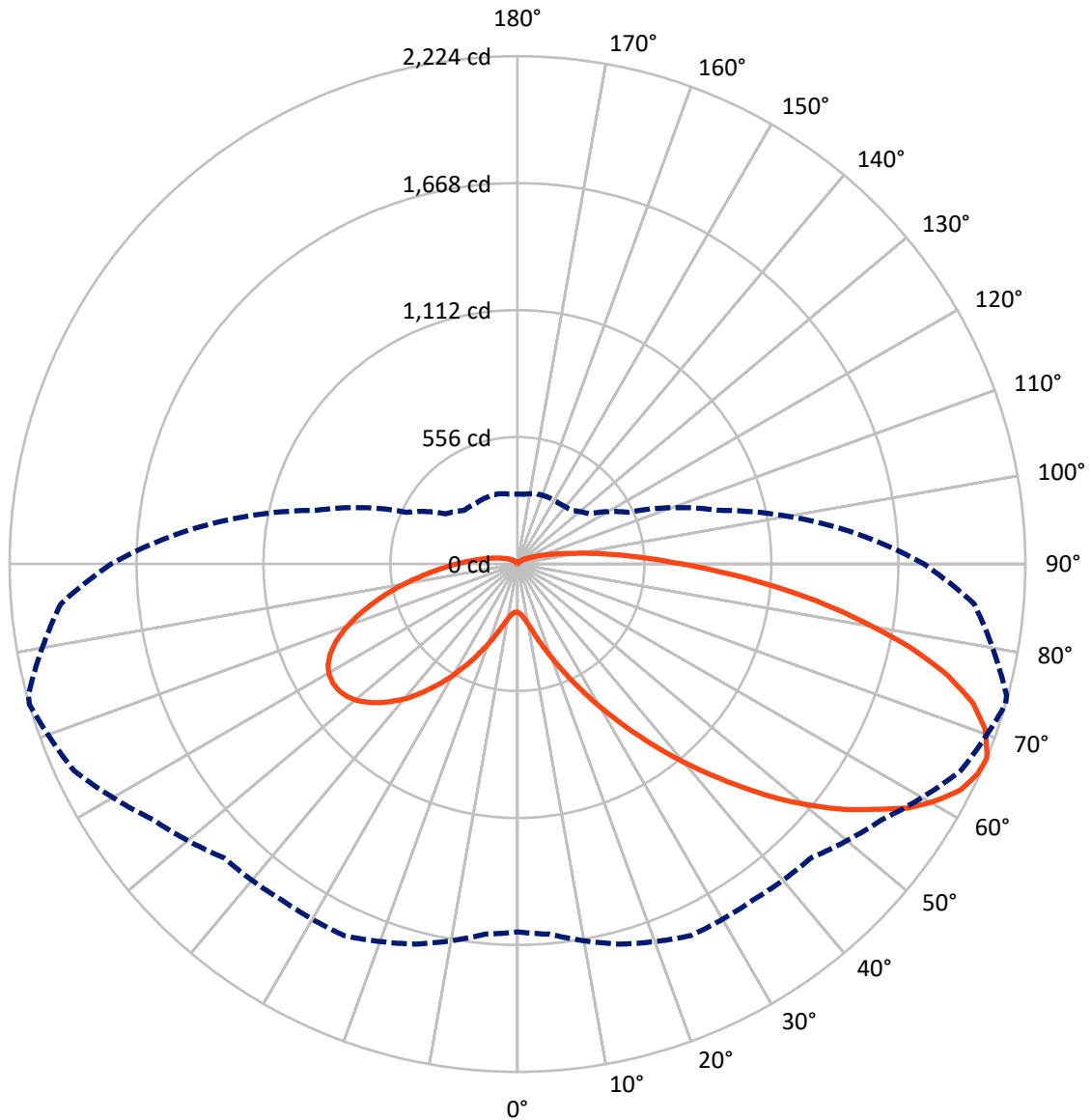
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P415576
CATALOG NUMBER: LXF.LXT-PA1-50-750-U-T3-FL

Luminous Intensity Polar Plot



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



REPORT NUMBER: P415576

CATALOG NUMBER: LXF.LXT-PA1-50-750-U-T3-FL

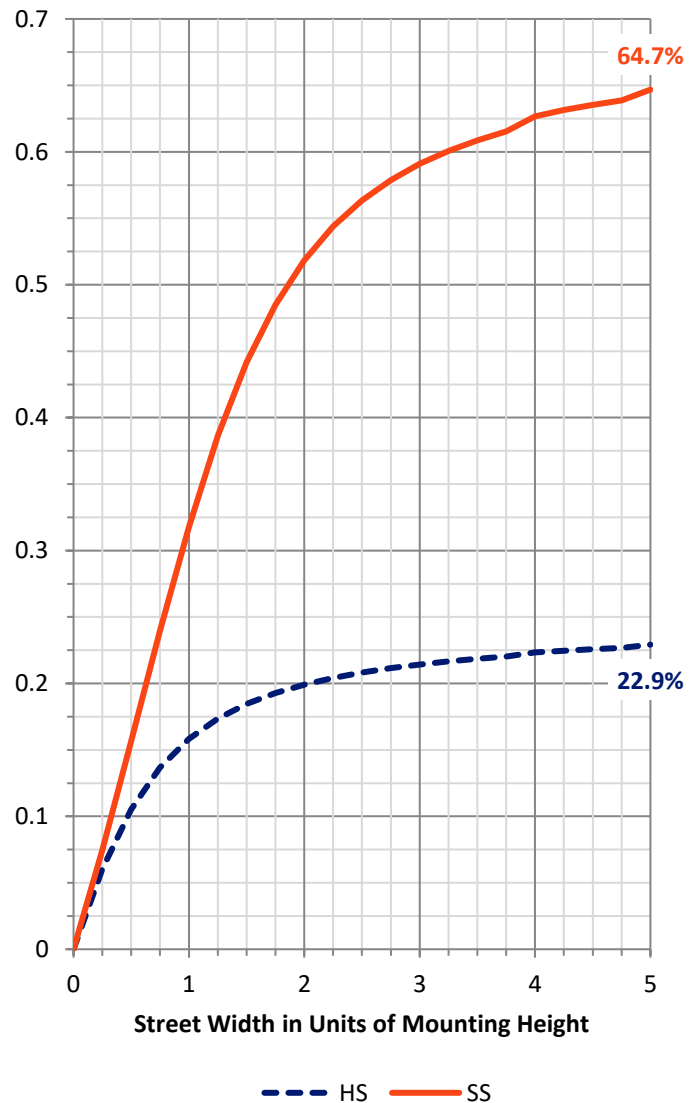
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1447.3	179.0	1626.3
	% Fixture	24.1	3.0	27.1
Street Side	Lumens	4066.1	311.6	4377.7
	% Fixture	67.7	5.2	72.9
Total	Lumens	5513.4	490.6	6004.0
	% Fixture	91.8	8.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.3	0.4
10°-20°	92.1	1.5
20°-30°	233.2	3.9
30°-40°	467.9	7.8
40°-50°	785.5	13.1
50°-60°	1102.0	18.4
60°-70°	1231.7	20.5
70°-80°	1004.9	16.7
80°-90°	573.6	9.6
90°-100°	262.2	4.4
100°-110°	120.0	2.0
110°-120°	59.2	1.0
120°-130°	30.1	0.5
130°-140°	14.0	0.2
140°-150°	4.6	0.1
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5513.4	91.8
0°-180°	6004.0	100.0

Coefficient of Utilization



REPORT NUMBER: P415576

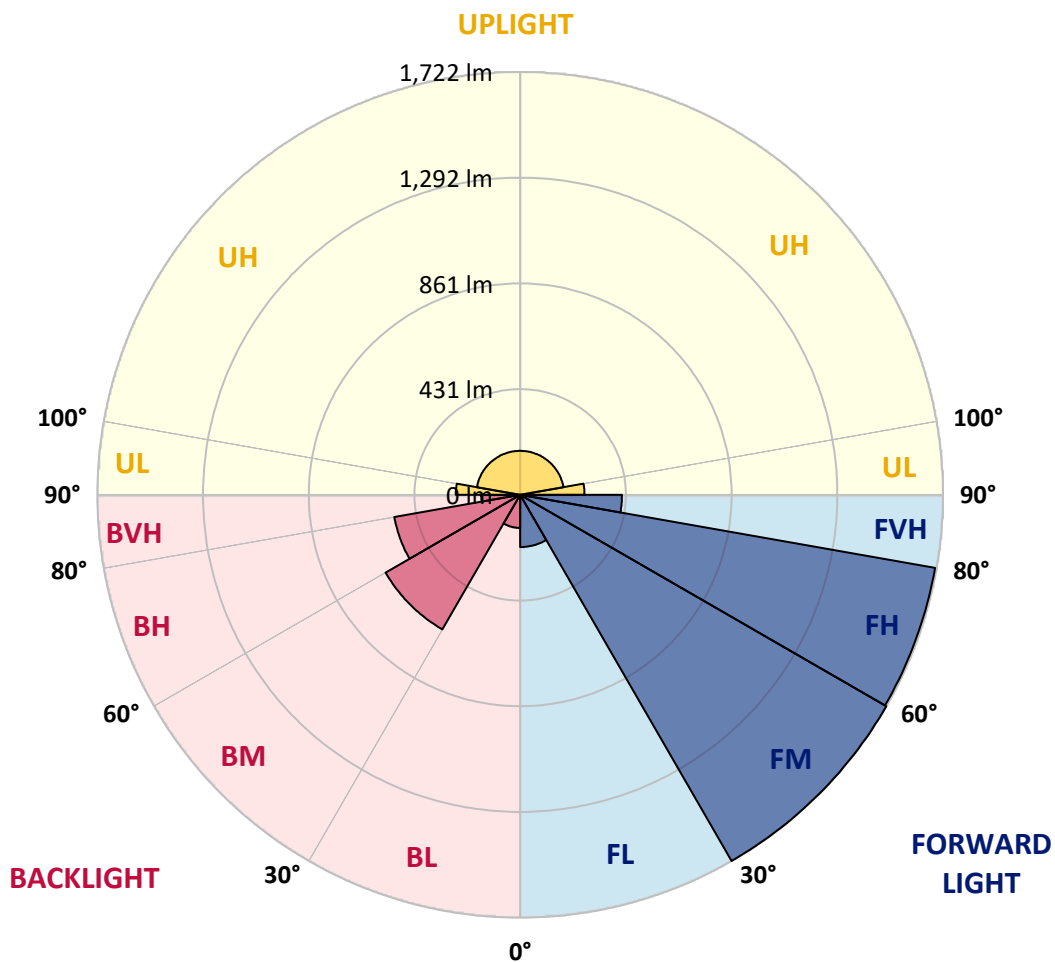
CATALOG NUMBER: LXF.LXT-PA1-50-750-U-T3-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	212.8	3.5			
FM	(30°-60°)	1722.4	28.7			
FH	(60°-80°)	1716.2	28.6			G1/1800
FVH	(80°-90°)	414.7	6.9			G3/500
BL	(0°-30°)	134.9	2.2	B1/500		
BM	(30°-60°)	633.1	10.5	B1/1000		
BH	(60°-80°)	520.4	8.7	B2/1000		G2/1000
BVH	(80°-90°)	158.9	2.6			G2/225
UL	(90°-100°)	262.2	4.4		U3/500	
UH	(100°-180°)	179.0	3.0		U3/500	

BUG Rating: B2-U3-G3

Type IV Medium





REPORT NUMBER: P415576

CATALOG NUMBER: LXF.LXT-PA1-50-750-U-T3-FL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	211.8	211.8	211.8	211.8	211.8	211.8	211.8	211.8	211.8	211.8	211.8
2.5°	230.2	228.7	228.7	227.3	226.6	223.8	221.7	218.9	217.4	216.7	214.6
5°	251.3	249.2	249.2	247.8	245.0	241.4	236.5	233.7	228.7	229.4	223.1
7.5°	276.7	276.0	274.6	271.8	268.3	264.0	259.1	252.7	247.1	247.1	239.3
10°	310.6	306.4	306.4	302.9	299.3	293.0	285.9	278.9	271.1	270.4	259.8
12.5°	351.6	350.9	346.6	341.7	336.1	329.7	318.4	311.3	303.6	302.9	291.6
15°	399.6	397.5	391.8	389.7	381.2	369.9	360.8	353.7	345.9	343.1	328.3
17.5°	456.1	453.2	451.1	440.5	433.5	424.3	413.7	404.5	391.1	389.7	373.5
20°	522.4	516.1	509.7	501.3	490.0	481.5	470.2	461.7	446.2	446.2	424.3
22.5°	592.3	590.9	585.3	571.1	555.6	547.1	536.6	519.6	506.9	503.4	479.4
25°	677.0	675.6	664.3	649.5	633.3	620.6	603.6	585.3	574.7	574.0	547.1
27.5°	773.1	775.2	755.4	736.3	714.5	694.0	675.6	666.5	652.3	650.2	619.2
30°	888.8	879.7	859.2	831.7	801.3	775.2	756.1	746.9	737.8	737.1	699.6
32.5°	1006.7	996.1	978.5	940.4	898.0	857.8	848.6	840.8	830.2	824.6	787.2
35°	1137.3	1128.9	1103.5	1053.3	996.9	953.1	934.0	935.4	930.5	927.7	882.5
37.5°	1281.4	1266.5	1231.9	1183.2	1099.9	1052.6	1030.7	1042.7	1039.9	1034.3	987.0
40°	1416.9	1414.8	1378.1	1302.5	1218.5	1151.5	1136.6	1157.1	1153.6	1146.5	1094.3
42.5°	1573.6	1558.1	1517.2	1432.4	1330.8	1256.7	1240.4	1270.8	1275.0	1276.4	1206.5
45°	1707.8	1700.7	1661.9	1564.5	1447.3	1366.8	1353.4	1385.9	1400.0	1401.4	1324.4
47.5°	1838.4	1835.6	1796.0	1695.1	1560.9	1475.5	1457.9	1504.5	1534.1	1527.8	1436.7
50°	1936.5	1941.5	1909.7	1813.7	1673.9	1572.2	1576.5	1633.7	1661.2	1657.7	1556.7
52.5°	2020.5	2013.5	2000.1	1909.0	1763.6	1670.4	1675.3	1743.8	1784.7	1782.6	1670.4
55°	2051.6	2049.5	2050.9	1976.8	1837.0	1750.8	1765.7	1862.4	1896.3	1892.0	1762.9
57.5°	2045.2	2043.8	2065.7	2017.0	1896.3	1814.4	1848.3	1959.8	2015.6	2009.9	1860.3
60°	1997.2	1990.9	2038.2	2020.5	1920.3	1853.9	1913.2	2045.2	2105.3	2103.8	1940.1
62.5°	1889.2	1899.1	1964.8	1981.0	1913.2	1874.4	1952.1	2111.6	2178.7	2173.7	1997.2
65°	1738.8	1763.6	1842.6	1899.1	1865.2	1856.0	1966.2	2141.3	2215.4	2214.7	2017.7
67°	1610.4	1627.3	1723.3	1795.3	1797.4	1818.6	1949.9	2142.0	2223.9	2217.5	2007.8
67.5°	1565.2	1587.8	1685.2	1772.7	1781.9	1808.0	1943.6	2140.6	2218.2	2214.7	2002.9
70°	1360.4	1386.6	1493.2	1603.3	1659.8	1716.3	1885.7	2101.0	2173.0	2165.3	1945.7
72.5°	1152.9	1189.6	1290.5	1421.2	1503.8	1596.9	1785.4	2002.2	2086.9	2070.7	1834.2
75°	953.8	978.5	1076.6	1217.8	1325.1	1451.5	1648.5	1868.7	1945.0	1931.6	1692.3
77.5°	760.3	782.9	877.5	1019.4	1140.9	1282.8	1488.2	1701.4	1760.7	1753.0	1512.2
80°	600.1	616.3	707.4	833.8	958.7	1110.5	1305.4	1496.0	1534.8	1540.5	1313.8
82.5°	461.7	482.9	562.0	673.5	791.4	936.1	1105.6	1274.3	1317.4	1303.3	1110.5
85°	353.0	370.6	441.2	535.8	653.7	775.9	927.0	1065.3	1084.4	1068.2	900.1
87.5°	276.0	289.5	344.5	436.3	530.2	634.7	755.4	861.3	871.2	868.4	720.8
90°	213.9	225.9	271.8	344.5	430.7	520.3	614.9	689.0	684.1	688.3	568.3
92.5°	168.0	174.4	216.0	280.3	352.3	424.3	496.3	545.7	545.0	533.0	443.4
95°	136.3	139.8	175.8	229.4	287.3	344.5	398.2	429.9	428.5	415.8	345.9
97.5°	110.1	112.3	143.3	188.5	237.2	281.7	320.5	343.1	331.8	326.9	271.1
100°	90.4	91.8	118.6	157.4	197.7	235.8	263.3	272.5	257.0	254.2	213.2
102.5°	77.0	77.7	100.3	133.4	165.2	194.1	214.6	218.9	200.5	201.9	168.0
105°	65.7	66.4	84.0	113.7	140.5	162.4	177.2	175.1	160.3	158.1	134.1
107.5°	57.2	57.9	72.0	97.4	120.7	139.1	146.8	141.9	128.5	125.7	108.0



REPORT NUMBER: P415576

CATALOG NUMBER: LXF.LXT-PA1-50-750-U-T3-FL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	50.1	50.8	62.1	83.3	103.8	119.3	123.5	115.8	103.8	101.0	89.0
112.5°	45.2	45.2	54.4	72.0	90.4	103.1	104.5	96.7	83.3	81.9	74.1
115°	40.9	40.9	48.0	62.1	78.4	88.2	88.2	79.1	68.5	67.8	62.1
117.5°	37.4	37.4	42.4	54.4	67.8	76.2	74.8	66.4	57.2	56.5	53.7
120°	34.6	34.6	38.1	47.3	58.6	65.0	63.5	55.1	48.0	47.3	45.9
122.5°	31.8	32.5	34.6	41.7	50.8	55.8	54.4	47.3	40.9	40.2	40.2
125°	29.7	29.7	31.1	36.0	43.8	48.0	45.9	38.8	34.6	34.6	34.6
127.5°	27.5	27.5	28.2	31.8	37.4	40.2	38.1	32.5	30.4	29.7	30.4
130°	25.4	25.4	26.1	27.5	31.8	33.2	31.1	27.5	25.4	25.4	26.1
132.5°	23.3	23.3	23.3	24.0	26.1	27.5	25.4	22.6	21.9	21.9	22.6
135°	21.2	21.9	21.2	21.2	21.9	21.9	19.8	18.4	18.4	19.1	19.8
137.5°	19.1	19.1	18.4	17.6	17.6	16.9	15.5	14.8	15.5	15.5	16.2
140°	16.9	16.9	16.2	14.8	13.4	12.7	12.0	11.3	12.7	12.7	13.4
142.5°	14.8	14.8	13.4	12.0	9.9	8.5	7.8	8.5	9.9	9.9	10.6
145°	12.0	12.0	11.3	9.9	7.1	5.6	4.9	6.4	7.1	7.1	7.8
147.5°	9.9	9.2	8.5	7.1	4.9	3.5	2.8	4.2	4.9	4.9	5.6
150°	7.1	7.1	6.4	4.9	2.8	1.4	1.4	2.1	2.8	2.8	3.5
152.5°	4.9	4.9	4.2	2.8	1.4	0.0	0.7	1.4	1.4	1.4	2.1
155°	2.8	2.8	2.8	2.1	0.7	0.0	0.0	0.7	0.7	0.7	1.4
157.5°	1.4	1.4	1.4	1.4	0.7	0.0	0.0	0.0	0.7	0.7	0.7
160°	0.7	0.7	1.4	0.7	0.7	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: P415576

CATALOG NUMBER: LXF.LXT-PA1-50-750-U-T3-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	211.8	211.8	211.8	211.8	211.8	211.8	211.8	211.8	211.8	211.8	211.8
2.5°	213.2	211.8	210.4	208.3	206.9	205.4	204.0	203.3	203.3	202.6	203.3
5°	221.0	218.9	214.6	211.1	206.9	204.0	201.2	199.8	198.4	197.7	197.7
7.5°	235.1	232.3	225.2	218.9	212.5	207.6	204.0	200.5	199.1	198.4	198.4
10°	255.6	251.3	240.7	231.6	222.4	216.0	209.7	206.1	204.0	202.6	202.6
12.5°	284.5	277.5	264.0	248.5	236.5	228.0	220.3	216.7	216.0	216.0	216.0
15°	323.3	313.5	293.0	274.6	257.0	242.2	236.5	236.5	235.8	235.1	235.8
17.5°	363.6	352.3	326.9	303.6	281.7	266.9	257.7	255.6	254.9	254.2	254.9
20°	411.6	397.5	367.8	336.1	308.5	294.4	281.7	276.0	275.3	276.0	274.6
22.5°	466.0	450.4	406.6	368.5	338.2	318.4	303.6	295.8	297.2	297.2	296.5
25°	531.6	507.6	456.1	404.5	367.8	340.3	323.3	315.6	316.3	317.7	319.1
27.5°	598.0	570.4	504.8	441.9	393.9	362.2	342.4	333.9	333.2	337.5	336.8
30°	675.6	640.3	558.4	480.1	417.9	377.7	357.2	350.2	349.5	353.0	353.7
32.5°	758.9	715.2	614.2	518.2	439.1	391.1	367.8	362.9	361.5	365.0	365.7
35°	850.0	794.2	668.6	551.4	456.8	400.3	376.3	370.6	368.5	372.1	373.5
37.5°	938.3	873.3	724.3	581.0	470.9	405.9	379.8	375.6	372.8	374.9	375.6
40°	1031.4	962.3	780.8	607.9	479.4	408.8	381.2	377.0	374.2	374.2	374.2
42.5°	1133.8	1044.2	826.7	626.9	484.3	408.1	379.8	374.9	371.3	368.5	368.5
45°	1239.0	1132.4	874.0	642.4	485.0	404.5	376.3	372.1	366.4	360.8	360.1
47.5°	1341.4	1212.2	915.7	650.9	482.9	399.6	371.3	365.7	360.8	352.3	352.3
50°	1440.9	1292.0	950.3	655.2	476.5	393.9	366.4	360.8	354.4	343.1	341.7
52.5°	1532.0	1364.7	976.4	653.7	467.4	386.2	360.1	355.1	347.3	333.9	333.9
55°	1621.7	1431.7	992.6	644.6	456.1	377.7	354.4	349.5	341.0	326.9	325.5
57.5°	1695.1	1479.7	999.0	630.4	443.4	368.5	348.8	343.8	336.1	320.5	320.5
60°	1757.2	1520.0	994.7	612.1	429.2	360.1	341.7	338.9	331.8	317.0	317.0
62.5°	1793.2	1536.2	978.5	588.8	413.0	350.9	335.3	333.9	327.6	313.5	313.5
65°	1801.0	1525.6	945.3	559.8	396.8	340.3	328.3	327.6	323.3	309.9	308.5
67°	1779.8	1498.1	908.6	535.1	382.6	331.8	321.9	321.9	318.4	306.4	305.7
67.5°	1772.0	1487.5	898.7	528.8	379.8	330.4	320.5	321.2	317.7	305.7	303.6
70°	1704.3	1416.2	838.0	492.8	360.1	317.7	311.3	312.0	309.2	300.0	297.9
72.5°	1599.1	1313.8	766.7	458.2	340.3	305.0	298.6	301.5	298.6	291.6	287.3
75°	1457.2	1188.9	692.6	418.7	320.5	289.5	285.2	286.6	285.9	278.9	275.3
77.5°	1289.8	1051.2	613.5	381.9	298.6	273.9	269.7	271.8	270.4	264.0	259.8
80°	1108.4	905.8	537.3	345.2	276.0	256.3	252.0	252.7	252.0	245.7	240.0
82.5°	930.5	763.2	459.6	309.2	254.2	237.2	232.3	231.6	230.2	223.1	218.9
85°	768.1	626.9	392.5	274.6	231.6	216.0	211.8	209.0	206.9	199.1	196.3
87.5°	612.1	512.5	331.8	245.0	209.0	196.3	190.6	185.7	182.1	175.1	172.3
90°	488.5	413.0	283.1	214.6	188.5	177.2	169.4	163.1	158.8	151.1	146.8
92.5°	387.6	329.0	237.9	188.5	168.7	158.8	151.8	144.0	138.4	128.5	126.4
95°	307.1	264.7	200.5	165.2	149.7	141.2	134.8	126.4	118.6	108.7	106.6
97.5°	242.9	216.0	168.7	144.7	132.0	125.0	118.6	110.1	101.7	91.8	90.4
100°	194.1	173.7	144.7	126.4	117.9	110.8	104.5	96.7	86.1	76.2	76.2
102.5°	156.0	142.6	121.4	110.8	103.8	98.1	92.5	84.7	73.4	62.8	62.8
105°	126.4	117.9	104.5	96.7	91.8	87.5	81.9	72.7	61.4	52.9	52.9
107.5°	103.8	97.4	89.7	84.0	81.2	77.0	72.0	62.8	52.2	44.5	44.5



REPORT NUMBER: P415576

CATALOG NUMBER: LXF.LXT-PA1-50-750-U-T3-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	86.1	81.9	76.2	74.1	72.0	68.5	62.8	54.4	43.8	38.1	38.1
112.5°	72.0	69.9	65.7	65.0	63.5	60.7	55.1	46.6	36.7	33.2	33.2
115°	61.4	60.0	57.2	57.2	55.8	53.7	48.0	40.2	31.8	28.2	28.9
117.5°	52.2	51.5	50.1	50.1	49.4	47.3	41.7	34.6	26.8	25.4	25.4
120°	45.9	45.2	44.5	43.8	43.8	40.9	36.0	28.9	23.3	22.6	22.6
122.5°	39.5	39.5	38.8	38.8	38.1	35.3	31.1	24.7	20.5	19.8	19.8
125°	34.6	34.6	33.9	33.9	33.2	31.1	26.8	21.2	17.6	17.6	17.6
127.5°	30.4	30.4	29.7	29.7	28.9	26.1	22.6	17.6	15.5	15.5	16.2
130°	26.8	26.8	26.1	25.4	24.7	22.6	18.4	14.8	13.4	14.1	14.1
132.5°	23.3	22.6	22.6	21.9	20.5	18.4	15.5	12.7	12.0	12.7	12.7
135°	19.8	19.8	19.1	18.4	16.9	15.5	12.7	10.6	10.6	11.3	11.3
137.5°	16.9	16.9	16.2	14.8	14.1	12.0	9.9	8.5	9.2	9.9	9.9
140°	13.4	14.1	13.4	12.0	10.6	9.2	7.8	7.1	7.8	8.5	9.2
142.5°	11.3	11.3	10.6	9.2	7.8	6.4	5.6	5.6	7.1	7.8	7.8
145°	8.5	8.5	7.8	7.1	4.9	4.2	3.5	4.9	5.6	6.4	6.4
147.5°	5.6	5.6	5.6	4.2	2.8	2.1	2.1	3.5	4.9	4.9	4.9
150°	3.5	3.5	3.5	2.8	1.4	0.7	1.4	2.8	3.5	4.2	4.2
152.5°	2.1	2.1	2.1	1.4	0.7	0.0	0.7	2.1	2.8	2.8	2.8
155°	1.4	1.4	1.4	0.7	0.7	0.0	0.7	1.4	2.1	2.1	2.1
157.5°	0.7	0.7	0.7	0.7	0.0	0.0	0.0	1.4	1.4	1.4	1.4
160°	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.7	1.4	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

(END OF REPORT)