

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: P413695

Luminaire Tested: **LXF.LXT-PA1-100-722-U-T2U-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P413695
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-20)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-100-722-U-T2U-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2200K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6803 lumens
Efficiency: N/A
Efficacy: 70.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B2 - U3 - G3

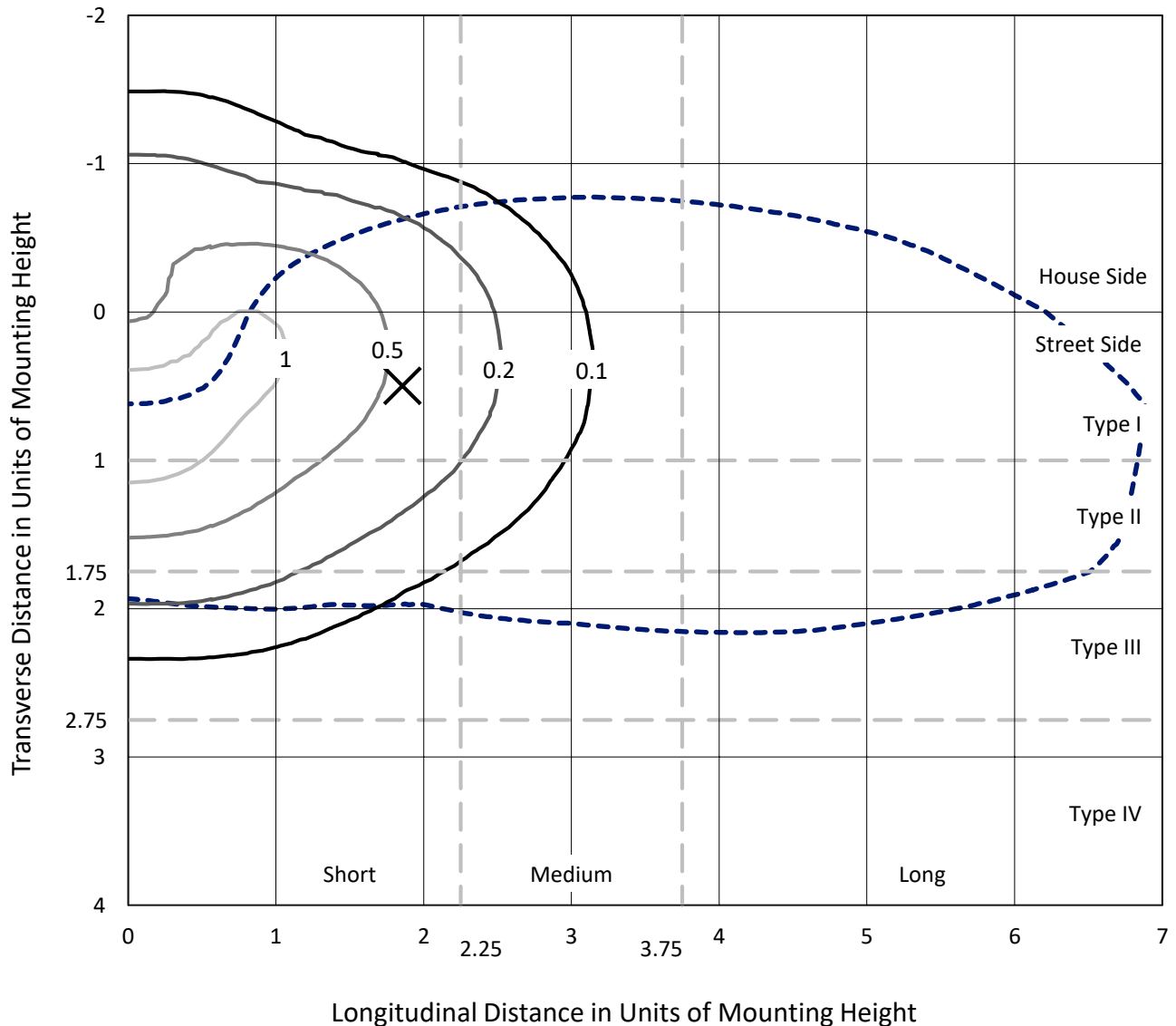
Input Watts (W): 96
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P413695
 CATALOG NUMBER: LXF.LXT-PA1-100-722-U-T2U-FL

Iso-Footcandle Lines of Horizontal Illumination

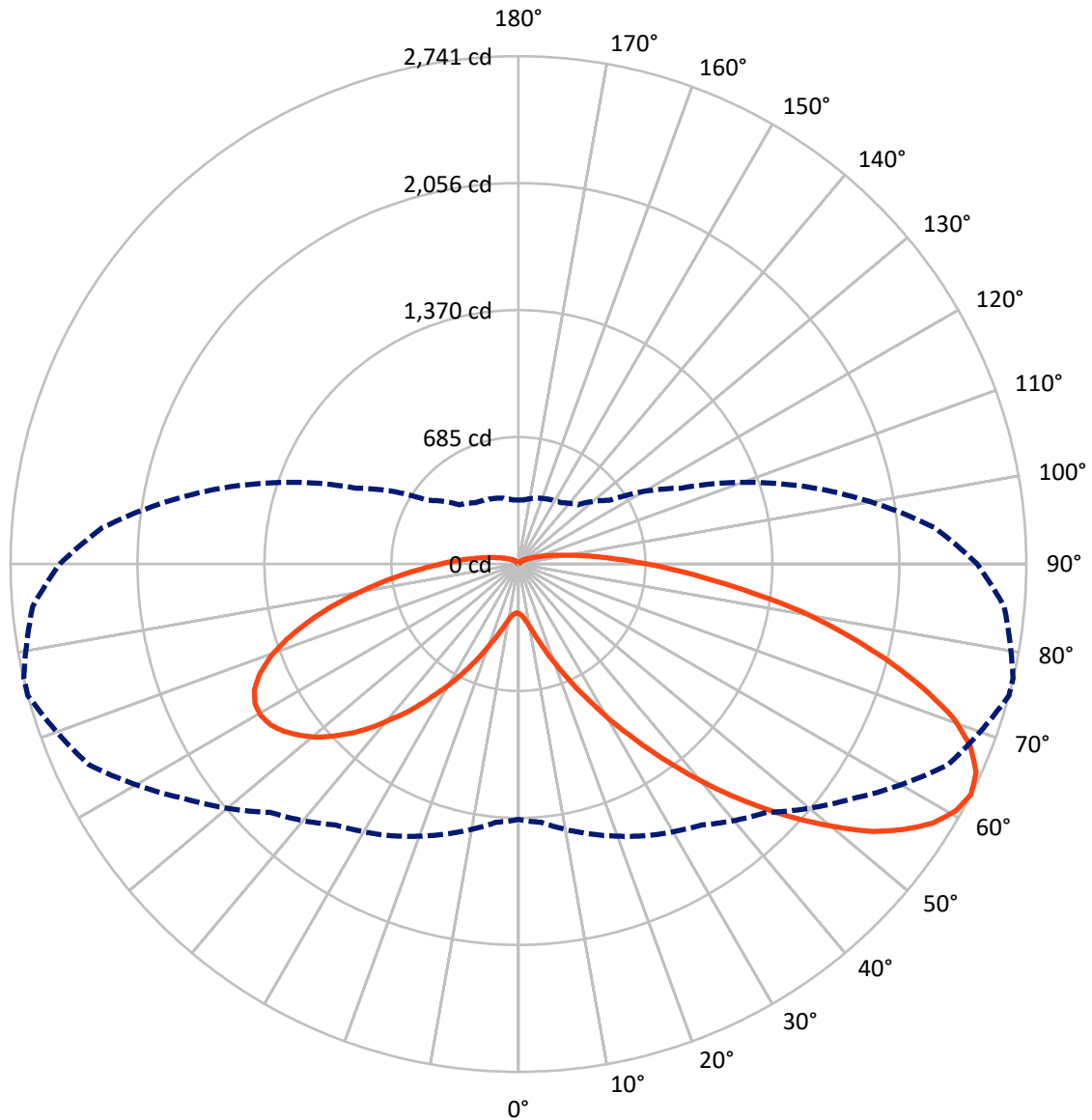
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type III - Short - Non-Cutoff

REPORT NUMBER: P413695
CATALOG NUMBER: LXF.LXT-PA1-100-722-U-T2U-FL

Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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CATALOG NUMBER: LXF.LXT-PA1-100-722-U-T2U-FL

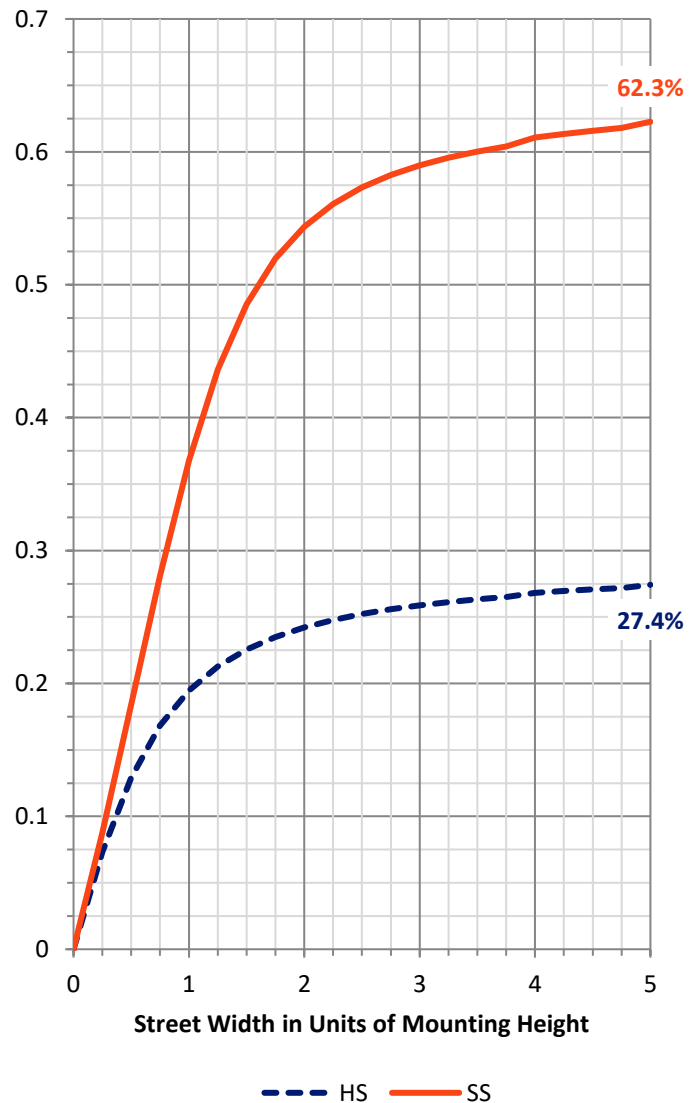
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1945.5	206.9	2152.4
	% Fixture	28.6	3.0	31.6
Street Side	Lumens	4366.6	284.0	4650.6
	% Fixture	64.2	4.2	68.4
Total	Lumens	6312.1	490.9	6803.0
	% Fixture	92.8	7.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.2	0.4
10°-20°	118.4	1.7
20°-30°	306.3	4.5
30°-40°	626.8	9.2
40°-50°	1039.5	15.3
50°-60°	1348.6	19.8
60°-70°	1328.2	19.5
70°-80°	976.0	14.3
80°-90°	540.1	7.9
90°-100°	255.1	3.7
100°-110°	121.9	1.8
110°-120°	62.2	0.9
120°-130°	32.2	0.5
130°-140°	14.8	0.2
140°-150°	4.4	0.1
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6312.1	92.8
0°-180°	6803.0	100.0



REPORT NUMBER: P413695

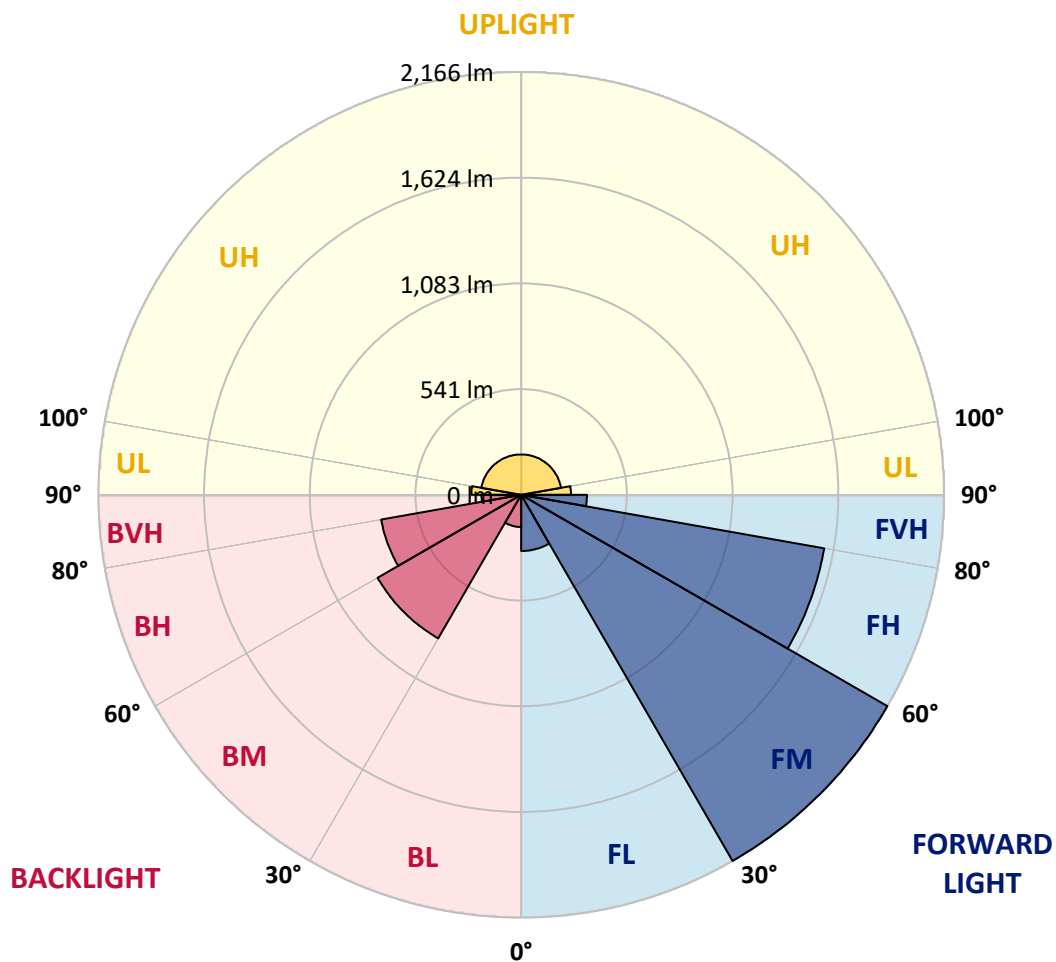
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	287.8	4.2			
FM (30°-60°)	2165.7	31.8			
FH (60°-80°)	1576.4	23.2			G1/1800
FVH (80°-90°)	336.6	4.9			G3/500
BL (0°-30°)	165.1	2.4	B1/500		
BM (30°-60°)	849.2	12.5	B1/1000		
BH (60°-80°)	727.7	10.7	B2/1000		G2/1000
BVH (80°-90°)	203.5	3.0			G2/225
UL (90°-100°)	255.1	3.7		U3/500	
UH (100°-180°)	206.9	3.0		U3/500	

BUG Rating: B2-U3-G3

Type III Short





REPORT NUMBER: P413695

CATALOG NUMBER: LXF.LXT-PA1-100-722-U-T2U-FL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	267.3	267.3	267.3	267.3	267.3	267.3	267.3	267.3	267.3	267.3	267.3
2.5°	297.8	295.4	293.7	291.3	289.7	286.5	283.3	278.5	274.5	273.7	270.5
5°	329.1	325.0	325.0	321.0	315.4	311.4	305.0	297.0	290.5	286.5	283.3
7.5°	369.2	366.0	362.0	358.8	353.1	345.9	337.1	326.7	313.8	311.4	303.4
10°	414.1	412.5	409.3	402.9	395.7	386.0	374.0	361.2	346.7	344.3	330.7
12.5°	473.5	473.5	468.7	459.9	449.4	431.8	421.4	407.7	390.9	388.5	369.2
15°	546.6	543.4	536.9	521.7	509.6	495.2	482.4	464.7	442.2	438.2	420.6
17.5°	626.8	620.4	617.2	602.7	586.7	569.0	551.4	532.1	507.2	500.8	479.9
20°	716.7	720.7	708.7	692.6	668.6	650.9	630.8	606.0	578.7	573.9	549.0
22.5°	829.9	826.7	809.8	787.3	764.1	744.8	719.1	694.2	657.3	652.5	623.6
25°	955.1	951.9	930.2	902.1	875.6	841.1	811.4	784.9	754.4	747.2	712.7
27.5°	1077.9	1093.9	1061.0	1026.5	995.2	956.7	921.4	887.7	853.2	847.5	811.4
30°	1245.6	1249.6	1211.1	1163.8	1121.2	1073.1	1036.1	1005.6	975.9	957.5	924.6
32.5°	1420.6	1407.7	1377.2	1319.5	1252.0	1198.3	1157.3	1129.2	1101.2	1091.5	1043.4
35°	1593.9	1593.9	1546.6	1468.7	1380.5	1325.9	1285.7	1268.9	1243.2	1228.0	1174.2
37.5°	1764.1	1761.7	1713.5	1622.0	1531.3	1456.7	1431.0	1411.8	1394.1	1378.8	1313.0
40°	1931.8	1927.8	1870.0	1780.9	1675.0	1598.0	1577.1	1580.3	1559.4	1538.6	1472.8
42.5°	2066.7	2065.1	2019.3	1930.2	1803.4	1735.2	1714.3	1733.6	1724.0	1703.9	1626.8
45°	2174.2	2167.0	2130.9	2040.2	1925.4	1853.2	1858.8	1905.3	1894.1	1884.5	1789.0
47.5°	2219.2	2218.4	2198.3	2119.6	2013.7	1963.1	1995.2	2060.2	2064.3	2056.2	1949.5
50°	2207.1	2210.3	2208.7	2160.6	2073.9	2048.2	2110.0	2220.8	2233.6	2225.6	2115.6
52.5°	2136.5	2138.1	2164.6	2143.7	2094.8	2102.0	2211.9	2354.0	2398.9	2377.3	2262.5
55°	1987.2	2007.3	2059.4	2071.5	2065.1	2114.0	2272.9	2459.9	2528.2	2520.9	2390.1
57.5°	1833.1	1823.5	1898.1	1955.9	1989.6	2081.9	2293.0	2535.4	2638.1	2628.5	2504.1
60°	1608.4	1622.8	1714.3	1797.0	1868.4	2004.9	2274.5	2575.5	2709.5	2703.9	2587.5
62.5°	1378.8	1399.7	1508.1	1618.0	1719.9	1895.7	2205.5	2560.3	2740.8	2740.0	2631.7
65°	1163.0	1185.4	1284.9	1418.2	1548.2	1748.0	2085.1	2495.2	2714.4	2716.0	2623.7
67.5°	971.1	983.2	1087.5	1234.4	1361.2	1574.7	1930.2	2366.8	2630.9	2639.7	2559.5
70°	800.2	809.0	910.1	1041.0	1187.8	1381.3	1742.4	2202.3	2491.2	2494.4	2443.9
72.5°	656.5	664.5	761.7	878.0	1013.7	1211.9	1549.0	1977.6	2281.0	2313.1	2265.7
75°	524.9	540.9	624.4	737.6	858.8	1035.3	1344.3	1736.0	2045.0	2072.3	2065.1
77.5°	427.8	449.4	516.1	613.2	724.7	878.0	1139.7	1497.6	1795.4	1817.9	1823.5
80°	345.1	361.2	427.8	513.7	608.4	741.6	952.7	1264.9	1544.2	1546.6	1544.2
82.5°	280.1	292.1	351.5	429.4	512.9	623.6	798.6	1055.4	1266.5	1292.2	1297.0
85°	227.9	236.8	288.1	358.0	428.6	522.5	658.9	862.0	1028.9	1055.4	1046.6
87.5°	183.0	195.0	236.0	295.4	361.2	435.8	548.2	697.4	830.7	841.9	840.3
90°	150.1	154.1	195.0	245.6	305.0	362.0	447.8	561.8	661.3	681.4	667.8
92.5°	121.2	127.6	162.1	207.9	254.4	304.2	371.6	461.5	523.3	535.3	528.9
95°	101.9	105.1	136.4	174.2	214.3	259.2	306.6	368.4	414.1	418.1	419.8
97.5°	85.1	88.3	114.0	148.5	183.0	219.1	255.2	301.0	331.5	330.7	328.3
100°	73.0	74.6	97.9	129.2	159.7	186.2	214.3	242.4	260.8	266.5	257.6
102.5°	63.4	64.2	84.3	111.6	137.2	160.5	181.4	201.4	208.7	209.5	205.5
105°	56.2	57.0	73.8	96.3	119.6	137.2	153.3	165.3	168.5	168.5	163.7
107.5°	49.8	50.6	63.4	85.1	105.9	120.4	131.6	138.0	136.4	135.6	132.4
110°	45.7	45.7	56.2	75.4	92.3	105.1	114.0	114.8	110.8	110.8	107.5



REPORT NUMBER: P413695

CATALOG NUMBER: LXF.LXT-PA1-100-722-U-T2U-FL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	41.7	41.7	49.8	66.6	81.9	93.1	98.7	97.1	91.5	89.9	89.9
115°	38.5	38.5	44.1	58.6	73.0	81.9	85.9	81.9	75.4	74.6	73.8
117.5°	36.1	36.1	40.1	52.2	64.2	72.2	74.6	70.6	63.4	62.6	62.6
120°	33.7	33.7	36.9	45.7	57.0	63.4	65.0	60.2	53.0	53.0	53.8
122.5°	32.1	32.1	33.7	40.9	50.6	56.2	56.2	51.4	44.9	44.9	45.7
125°	30.5	30.5	31.3	36.1	44.1	49.0	48.2	42.5	38.5	38.5	39.3
127.5°	28.9	28.9	28.9	32.1	38.5	42.5	41.7	36.1	32.9	32.9	34.5
130°	27.3	27.3	26.5	28.1	32.9	36.1	34.5	30.5	28.1	28.1	29.7
132.5°	25.7	25.7	24.1	24.9	28.1	29.7	28.1	24.9	24.1	24.1	24.9
135°	24.1	23.3	22.5	21.7	23.3	24.1	22.5	20.1	20.1	20.1	21.7
137.5°	21.7	21.7	20.1	18.5	18.5	18.5	17.7	15.2	16.1	16.9	17.7
140°	20.1	20.1	18.5	16.1	14.4	14.4	12.8	12.0	12.8	13.6	14.4
142.5°	17.7	17.7	16.1	13.6	11.2	9.6	8.8	8.0	9.6	10.4	10.4
145°	15.2	15.2	13.6	10.4	8.0	5.6	4.8	5.6	6.4	7.2	8.0
147.5°	12.8	12.0	10.4	8.0	4.0	2.4	1.6	3.2	4.0	4.0	4.8
150°	9.6	9.6	8.0	5.6	2.4	0.0	0.8	1.6	2.4	2.4	3.2
152.5°	7.2	6.4	5.6	3.2	0.0	0.0	0.0	0.0	0.8	1.6	1.6
155°	4.0	4.0	3.2	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	2.4	2.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.8	0.8	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: P413695

CATALOG NUMBER: LXF.LXT-PA1-100-722-U-T2U-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	267.3	267.3	267.3	267.3	267.3	267.3	267.3	267.3	267.3	267.3	267.3
2.5°	268.9	266.5	263.2	260.8	258.4	255.2	253.6	251.2	251.2	251.2	252.8
5°	278.5	275.3	268.1	261.6	255.2	250.4	245.6	242.4	240.8	239.2	240.0
7.5°	296.2	292.1	280.9	269.7	260.8	252.0	245.6	240.0	237.6	236.8	236.8
10°	323.4	316.2	299.4	284.1	271.3	259.2	250.4	243.2	240.0	237.6	237.6
12.5°	360.4	349.9	329.9	309.0	289.7	273.7	260.8	255.2	252.8	251.2	252.0
15°	409.3	398.1	367.6	340.3	315.4	293.7	281.7	276.1	272.9	271.3	270.5
17.5°	466.3	450.3	413.3	378.0	346.7	322.6	307.4	298.6	292.9	289.7	290.5
20°	528.9	508.0	460.7	422.2	382.0	358.0	334.7	320.2	313.0	311.4	312.2
22.5°	599.5	577.9	523.3	467.1	425.4	389.3	361.2	342.7	333.9	333.1	333.1
25°	683.0	654.1	589.9	519.3	465.5	419.8	386.8	364.4	354.7	351.5	351.5
27.5°	777.7	739.2	659.7	578.7	504.8	447.0	408.5	382.8	372.4	370.0	370.0
30°	882.0	841.9	740.8	634.8	542.5	471.1	427.8	400.5	386.8	383.6	384.4
32.5°	996.8	944.6	817.0	695.0	575.5	490.4	440.6	413.3	398.1	394.1	394.1
35°	1121.2	1060.2	907.7	753.6	606.8	505.6	450.3	422.2	405.3	401.3	400.5
37.5°	1260.9	1184.6	1001.6	807.4	631.6	515.3	456.7	427.8	409.3	403.7	402.9
40°	1406.9	1319.5	1088.3	856.4	652.5	520.9	458.3	430.2	410.9	402.1	401.3
42.5°	1543.4	1447.1	1187.0	901.3	665.3	523.3	457.5	429.4	409.3	397.3	396.5
45°	1694.3	1576.3	1277.7	942.2	673.4	521.7	454.3	425.4	406.1	390.9	389.3
47.5°	1852.4	1716.7	1361.2	971.9	676.6	516.9	450.3	422.2	400.5	383.6	382.0
50°	1995.2	1837.1	1439.0	995.2	675.0	509.6	443.8	417.3	395.7	376.4	374.8
52.5°	2134.9	1963.1	1500.0	1008.1	667.0	501.6	438.2	411.7	390.1	370.0	367.6
55°	2261.7	2062.7	1554.6	1013.7	656.5	491.2	430.2	406.9	385.2	363.6	361.2
57.5°	2359.6	2156.6	1594.7	1006.4	640.5	479.1	422.2	399.7	379.6	358.0	355.5
60°	2431.8	2218.4	1613.2	992.8	622.0	465.5	412.5	392.5	374.0	353.1	350.7
62.5°	2475.2	2252.9	1609.2	968.7	598.7	451.9	403.7	385.2	368.4	347.5	345.9
65°	2468.0	2239.2	1578.7	930.2	573.9	434.2	390.1	375.6	360.4	341.1	338.7
67.5°	2409.4	2183.8	1516.9	882.0	545.8	416.5	377.2	362.8	349.9	333.1	328.3
70°	2305.0	2081.9	1427.8	821.9	513.7	396.5	362.0	348.3	337.1	321.0	316.2
72.5°	2129.3	1933.4	1314.6	759.2	479.1	373.2	341.9	330.7	318.6	305.8	300.2
75°	1928.6	1747.2	1181.4	685.4	442.2	349.9	321.0	309.8	298.6	284.9	280.1
77.5°	1710.3	1536.2	1043.4	620.4	404.5	323.4	297.8	288.1	276.9	262.4	256.8
80°	1449.5	1310.6	896.5	545.8	366.8	297.8	273.7	263.2	251.2	237.6	231.9
82.5°	1214.3	1091.5	760.9	478.3	329.1	271.3	250.4	235.2	223.9	210.3	200.6
85°	992.8	906.9	638.1	410.9	293.7	244.0	223.1	210.3	197.4	181.4	175.0
87.5°	798.6	725.5	524.1	354.7	259.2	217.5	198.2	185.4	171.0	154.1	148.5
90°	631.6	586.7	435.8	305.0	229.5	195.0	175.8	162.1	146.1	130.8	127.6
92.5°	500.8	469.5	360.4	259.2	202.3	172.6	154.9	141.3	125.2	110.0	105.1
95°	402.9	372.4	295.4	226.3	177.4	151.7	136.4	123.6	107.5	92.3	89.1
97.5°	321.8	297.8	242.4	190.2	155.7	134.8	121.2	107.5	91.5	77.9	76.2
100°	252.0	237.6	200.6	163.7	137.2	119.6	106.7	94.7	78.7	65.0	64.2
102.5°	201.4	193.4	166.9	141.3	120.4	105.9	95.5	82.7	68.2	55.4	54.6
105°	162.1	157.3	138.8	121.2	106.7	94.7	85.1	72.2	57.8	47.4	47.4
107.5°	131.6	127.6	116.4	103.5	93.9	85.1	74.6	63.4	49.8	40.9	40.9
110°	107.5	105.9	98.7	89.9	82.7	75.4	65.8	54.6	42.5	36.1	36.1



REPORT NUMBER: P413695

CATALOG NUMBER: LXF.LXT-PA1-100-722-U-T2U-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	89.9	89.1	83.5	78.7	73.0	66.6	58.6	48.2	36.9	31.3	32.1
115°	74.6	74.6	71.4	68.2	64.2	59.4	51.4	40.9	31.3	28.1	28.1
117.5°	63.4	62.6	61.8	59.4	57.0	52.2	44.1	35.3	26.5	24.9	25.7
120°	54.6	54.6	53.0	52.2	49.8	44.9	38.5	29.7	22.5	22.5	22.5
122.5°	46.6	47.4	45.7	44.9	43.3	40.1	32.9	24.9	20.1	19.3	20.1
125°	40.9	40.9	40.1	39.3	37.7	33.7	28.1	20.9	16.9	17.7	17.7
127.5°	34.5	35.3	34.5	33.7	32.9	28.9	23.3	16.9	14.4	15.2	15.2
130°	30.5	30.5	29.7	28.9	27.3	24.1	19.3	13.6	12.8	13.6	13.6
132.5°	25.7	25.7	25.7	24.1	22.5	20.1	15.2	11.2	10.4	12.0	12.0
135°	21.7	21.7	21.7	20.1	18.5	15.2	11.2	8.8	8.8	10.4	10.4
137.5°	17.7	18.5	17.7	16.1	14.4	12.0	8.8	6.4	7.2	8.8	8.8
140°	14.4	14.4	13.6	12.8	10.4	8.0	5.6	4.8	6.4	7.2	7.2
142.5°	11.2	11.2	10.4	8.8	7.2	5.6	3.2	3.2	4.8	5.6	5.6
145°	8.0	8.0	7.2	5.6	4.0	2.4	0.8	1.6	3.2	4.0	4.0
147.5°	4.8	4.8	4.8	4.0	2.4	0.8	0.0	0.8	1.6	2.4	2.4
150°	3.2	3.2	3.2	2.4	1.6	0.0	0.0	0.0	0.8	1.6	1.6
152.5°	1.6	1.6	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	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)