

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: P416417

Luminaire Tested: **LXF.LXT-PA1-70-750-U-T4W-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416417
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-PA1-70-750-U-T4W-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 930mA 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: 7710 lumens
Efficiency: N/A
Efficacy: 104.2 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 - G4

Input Watts (W): 74
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

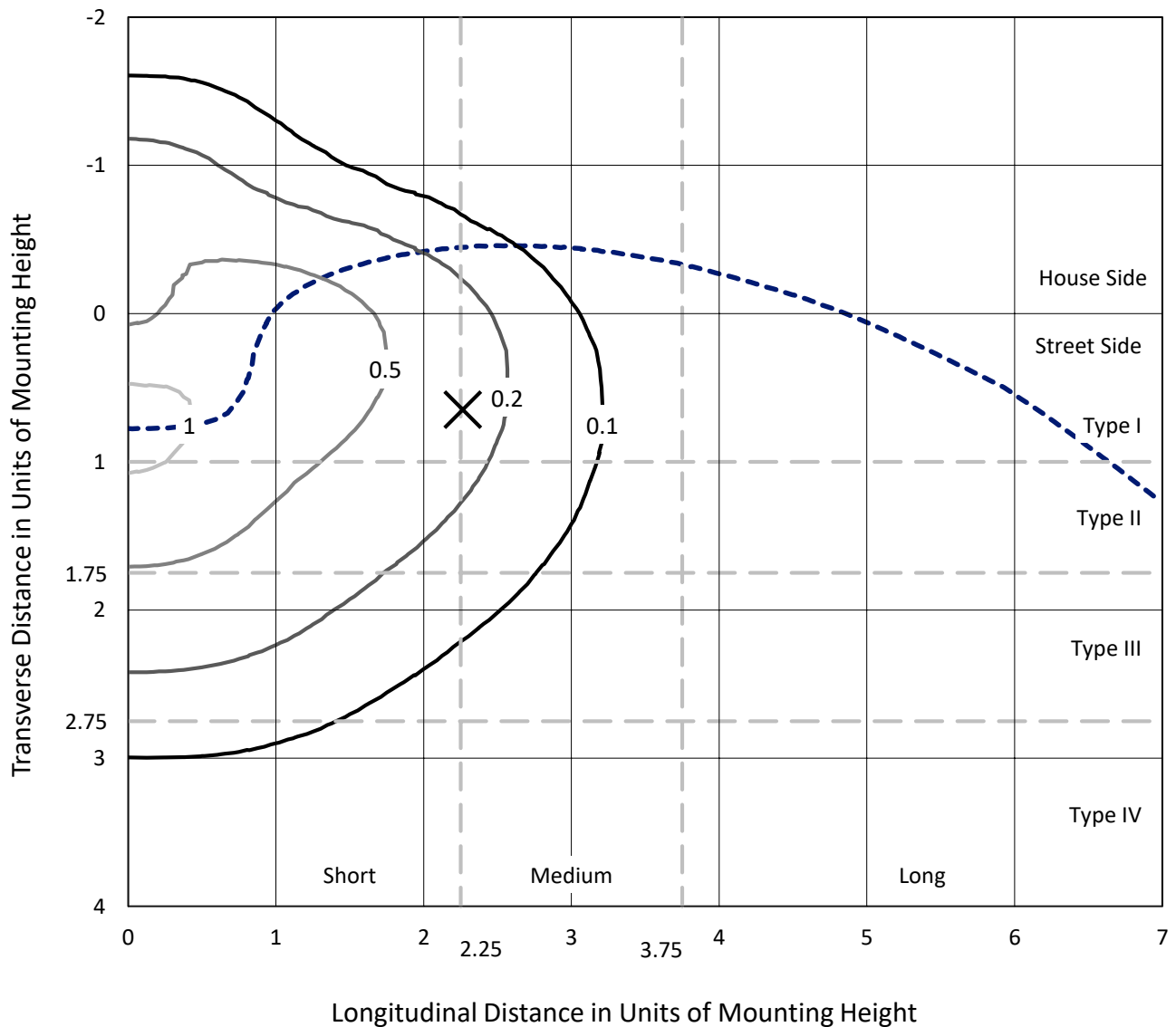


REPORT NUMBER: P416417

CATALOG NUMBER: LXF.LXT-PA1-70-750-U-T4W-FL

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

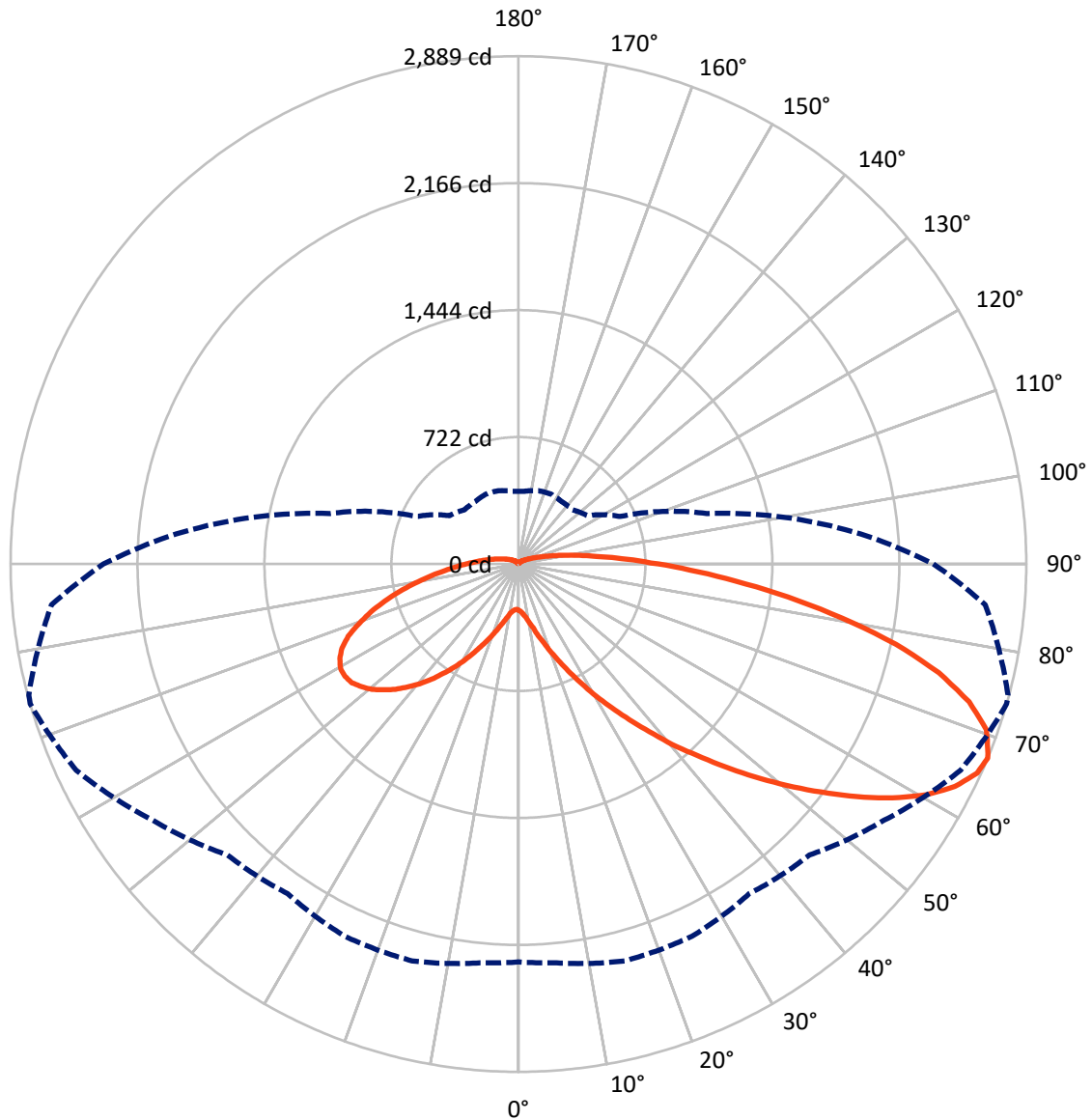


Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P416417

CATALOG NUMBER: LXF.LXT-PA1-70-750-U-T4W-FL

Luminous Intensity Polar Plot



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



REPORT NUMBER: P416417

CATALOG NUMBER: LXF.LXT-PA1-70-750-U-T4W-FL

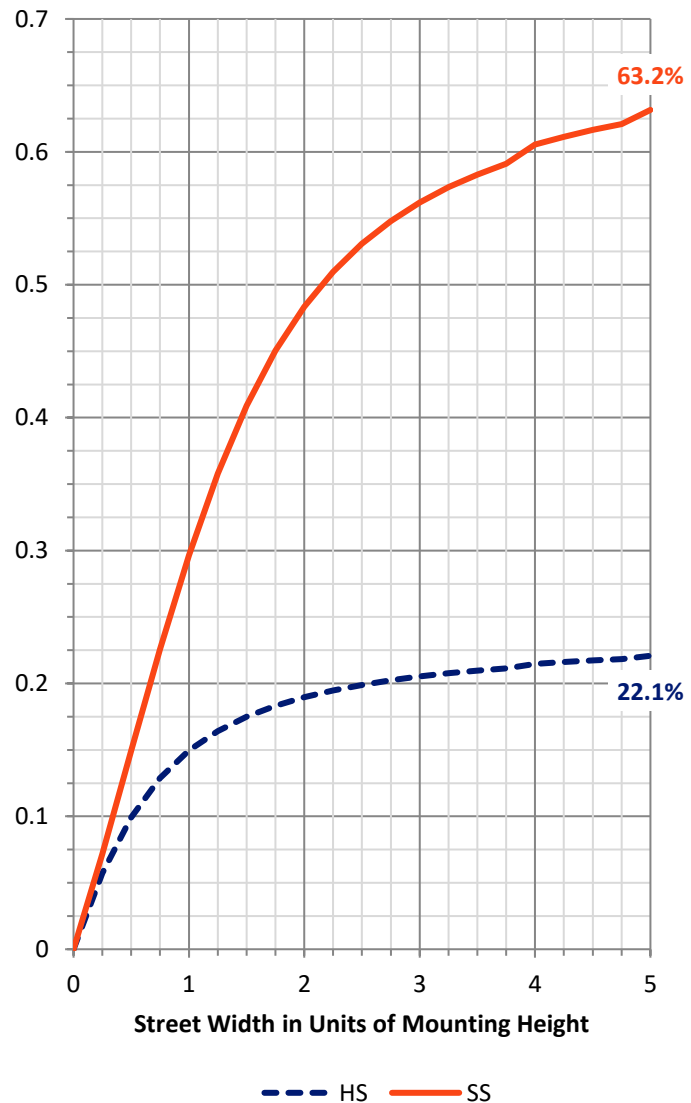
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1797.9	216.1	2014.0
	% Fixture	23.3	2.8	26.1
Street Side	Lumens	5203.0	493.0	5696.0
	% Fixture	67.5	6.4	73.9
Total	Lumens	7000.9	709.1	7710.0
	% Fixture	90.8	9.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.5	0.4
10°-20°	112.3	1.5
20°-30°	279.0	3.6
30°-40°	544.8	7.1
40°-50°	901.1	11.7
50°-60°	1306.1	16.9
60°-70°	1580.7	20.5
70°-80°	1405.3	18.2
80°-90°	844.2	10.9
90°-100°	387.6	5.0
100°-110°	172.5	2.2
110°-120°	82.3	1.1
120°-130°	40.8	0.5
130°-140°	18.7	0.2
140°-150°	6.1	0.1
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7000.9	90.8
0°-180°	7710.0	100.0



REPORT NUMBER: P416417

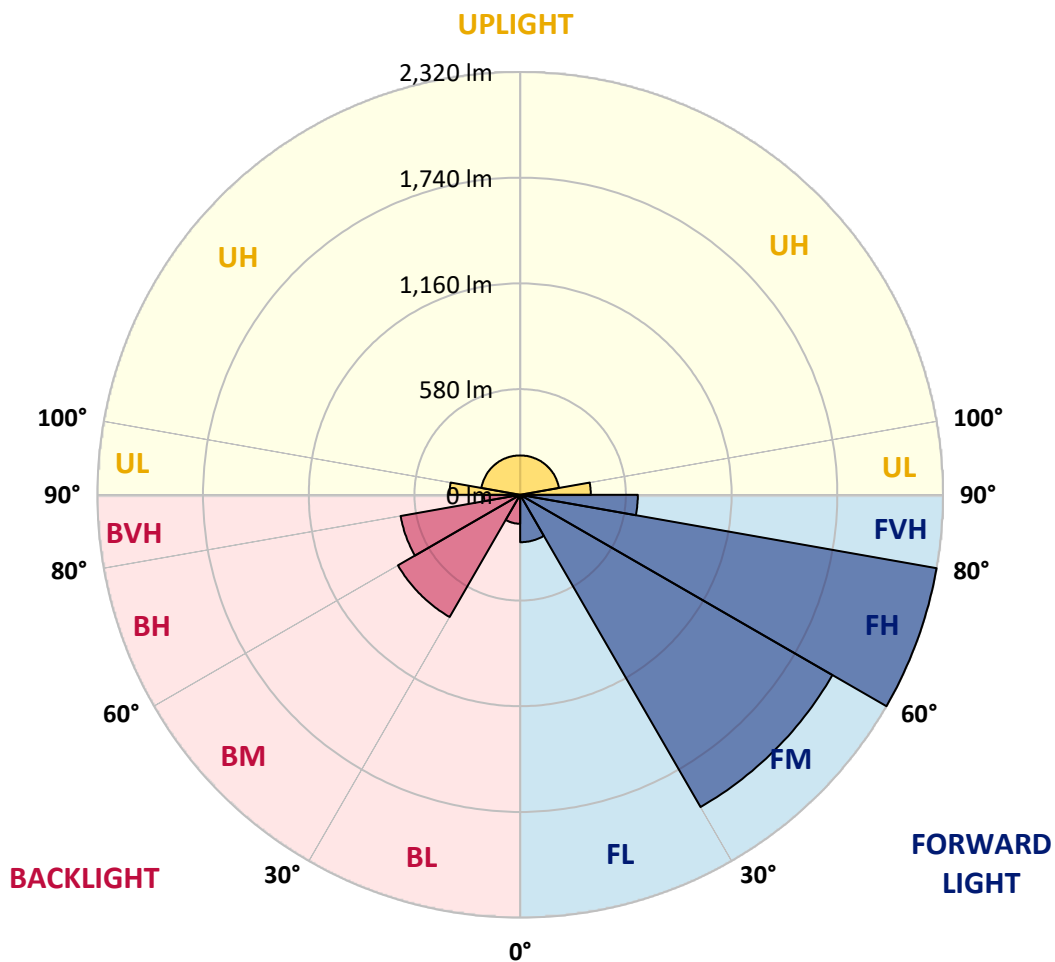
CATALOG NUMBER: LXF.LXT-PA1-70-750-U-T4W-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	260.0	3.4			
FM	(30°-60°)	1978.1	25.7			
FH	(60°-80°)	2319.8	30.1			G2/5000
FVH	(80°-90°)	645.2	8.4			G4/750
BL	(0°-30°)	158.8	2.1	B1/500		
BM	(30°-60°)	773.9	10.0	B1/1000		
BH	(60°-80°)	666.2	8.6	B2/1000		G2/1000
BVH	(80°-90°)	198.9	2.6			G2/225
UL	(90°-100°)	387.6	5.0		U3/500	
UH	(100°-180°)	216.1	2.8		U3/500	

BUG Rating: B2-U3-G4

Type IV Medium





REPORT NUMBER: P416417

CATALOG NUMBER: LXF.LXT-PA1-70-750-U-T4W-FL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	262.6	262.6	262.6	262.6	262.6	262.6	262.6	262.6	262.6	262.6	262.6
2.5°	290.0	287.3	287.3	285.5	284.6	281.8	280.0	273.6	270.8	270.8	266.3
5°	321.2	319.3	315.7	315.7	312.0	308.3	301.0	292.8	286.4	285.5	277.2
7.5°	359.6	355.0	355.0	350.4	344.9	338.5	328.5	317.5	307.4	306.5	293.7
10°	403.5	401.7	399.8	393.4	386.1	373.3	364.2	348.6	336.7	335.8	318.4
12.5°	457.5	454.7	449.2	442.8	430.0	420.9	404.4	387.0	371.5	372.4	352.3
15°	516.0	514.2	510.5	500.5	485.8	473.0	456.6	438.3	422.7	416.3	395.3
17.5°	582.8	579.2	574.6	563.6	547.1	534.3	512.4	495.0	474.9	475.8	445.6
20°	661.5	657.9	651.5	634.1	619.4	602.0	579.2	560.0	537.1	535.3	505.1
22.5°	739.3	741.1	725.6	707.3	693.5	673.4	651.5	626.7	606.6	604.8	570.0
25°	835.4	829.0	813.4	792.4	771.3	746.6	727.4	705.4	686.2	684.4	643.2
27.5°	936.0	930.5	909.5	882.9	854.6	827.1	810.7	787.8	773.1	770.4	728.3
30°	1045.8	1036.7	1017.4	981.8	942.4	911.3	894.8	886.6	872.9	869.2	826.2
32.5°	1169.3	1157.4	1129.1	1086.1	1029.3	994.6	987.2	979.9	974.4	968.9	928.7
35°	1291.9	1288.3	1246.2	1193.1	1137.3	1091.5	1078.7	1090.6	1087.0	1083.3	1040.3
37.5°	1420.9	1427.3	1381.6	1312.1	1235.2	1186.7	1177.6	1199.5	1209.6	1209.6	1158.3
40°	1572.8	1567.3	1521.6	1436.5	1346.8	1290.1	1292.8	1325.8	1350.5	1345.0	1294.7
42.5°	1723.8	1711.9	1651.5	1568.2	1454.8	1398.1	1398.1	1448.4	1485.9	1486.8	1433.7
45°	1872.0	1859.2	1802.5	1693.6	1570.1	1508.8	1521.6	1582.9	1644.2	1636.0	1583.8
47.5°	2007.4	2001.9	1943.4	1827.2	1688.1	1624.1	1649.7	1741.2	1808.0	1808.0	1750.3
50°	2140.1	2132.8	2077.9	1947.0	1807.0	1743.9	1782.3	1894.0	1979.1	1983.6	1916.8
52.5°	2254.5	2249.9	2198.7	2068.7	1924.2	1860.1	1917.8	2057.7	2155.6	2165.7	2095.3
55°	2336.8	2339.6	2300.2	2176.7	2030.3	1977.2	2055.9	2220.6	2336.8	2338.6	2262.7
57.5°	2397.2	2400.9	2374.3	2267.3	2123.6	2083.4	2189.5	2378.0	2509.7	2518.0	2418.2
60°	2422.8	2429.2	2421.0	2331.3	2206.9	2181.3	2309.4	2518.9	2665.3	2668.0	2548.2
62.5°	2409.1	2415.5	2432.0	2367.9	2267.3	2266.4	2425.6	2641.5	2787.0	2790.6	2647.0
65°	2346.9	2356.9	2398.1	2367.9	2289.2	2319.4	2502.4	2735.7	2866.6	2871.1	2685.4
67°	2263.6	2276.4	2336.8	2335.9	2289.2	2340.5	2539.9	2775.1	2888.5	2883.0	2665.3
67.5°	2244.4	2257.2	2317.6	2326.7	2282.8	2343.2	2544.5	2779.7	2880.3	2879.4	2652.5
70°	2081.5	2104.4	2192.2	2236.2	2235.3	2321.3	2542.7	2754.9	2824.5	2815.3	2545.4
72.5°	1894.0	1922.3	2029.4	2113.6	2141.0	2252.6	2475.9	2657.0	2679.9	2668.9	2345.0
75°	1700.9	1716.5	1828.1	1948.0	2017.5	2136.4	2350.5	2501.5	2469.5	2442.9	2094.3
77.5°	1496.9	1503.3	1627.7	1762.2	1846.4	1983.6	2163.9	2273.7	2195.0	2173.0	1808.9
80°	1259.9	1286.4	1410.9	1550.9	1655.2	1779.6	1931.5	1997.4	1865.6	1845.5	1505.1
82.5°	1065.9	1082.4	1195.9	1333.1	1450.2	1567.3	1666.1	1683.5	1545.4	1530.7	1209.6
85°	870.1	884.8	1003.7	1130.9	1240.7	1338.6	1404.5	1378.8	1235.2	1219.6	956.1
87.5°	720.1	731.1	813.4	942.4	1039.4	1109.8	1144.6	1112.6	975.3	953.4	738.4
90°	570.9	587.4	661.5	770.4	869.2	915.0	918.6	865.6	753.0	736.5	565.4
92.5°	461.1	472.1	542.6	633.2	710.9	745.7	736.5	691.7	588.3	569.1	437.4
95°	373.3	382.5	441.0	520.6	583.7	615.8	590.1	530.7	449.2	441.9	337.6
97.5°	310.2	312.0	357.7	429.1	479.4	495.9	475.8	421.8	351.3	336.7	258.9
100°	253.4	255.3	293.7	347.7	393.4	404.4	384.3	332.1	272.7	263.5	203.1
102.5°	205.9	210.4	239.7	288.2	322.1	330.3	309.3	263.5	210.4	204.0	158.3
105°	174.8	175.7	201.3	237.9	268.1	274.5	253.4	214.1	165.6	161.9	126.3
107.5°	148.2	148.2	168.4	200.4	224.2	227.8	211.4	174.8	130.8	127.2	102.5



REPORT NUMBER: P416417

CATALOG NUMBER: LXF.LXT-PA1-70-750-U-T4W-FL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	127.2	128.1	142.7	168.4	190.3	193.1	176.6	140.0	104.3	101.6	83.3
112.5°	110.7	112.5	122.6	142.7	161.9	164.7	148.2	114.4	85.1	81.4	69.5
115°	97.9	98.8	106.1	122.6	138.2	140.0	123.5	94.2	68.6	65.9	58.6
117.5°	86.9	87.8	93.3	107.1	118.9	119.9	103.4	77.8	57.6	54.9	51.2
120°	78.7	78.7	83.3	92.4	102.5	102.5	86.9	64.0	47.6	46.7	43.9
122.5°	71.4	71.4	74.1	80.5	87.8	86.0	72.3	53.1	40.3	39.3	38.4
125°	65.0	65.0	66.8	70.5	75.0	72.3	59.5	43.9	34.8	33.9	33.9
127.5°	58.6	58.6	59.5	62.2	63.1	60.4	49.4	36.6	30.2	29.3	30.2
130°	53.1	53.1	53.1	53.1	53.1	51.2	40.3	30.2	25.6	25.6	26.5
132.5°	47.6	47.6	46.7	45.7	44.8	41.2	32.9	24.7	22.9	22.9	23.8
135°	42.1	42.1	41.2	39.3	36.6	32.0	24.7	20.1	19.2	19.2	20.1
137.5°	36.6	36.6	35.7	32.9	29.3	24.7	19.2	16.5	16.5	16.5	17.4
140°	31.1	31.1	30.2	27.4	22.9	18.3	14.6	12.8	13.7	13.7	14.6
142.5°	26.5	25.6	24.7	22.0	17.4	12.8	10.1	10.1	11.0	11.0	11.9
145°	21.0	20.1	19.2	16.5	12.8	9.1	7.3	7.3	8.2	8.2	9.1
147.5°	16.5	15.6	14.6	11.9	9.1	6.4	4.6	5.5	6.4	6.4	6.4
150°	11.0	11.0	11.0	9.1	5.5	3.7	2.7	3.7	3.7	3.7	4.6
152.5°	7.3	7.3	7.3	5.5	3.7	1.8	1.8	1.8	2.7	2.7	2.7
155°	4.6	4.6	4.6	3.7	1.8	0.9	0.9	0.9	1.8	1.8	1.8
157.5°	1.8	1.8	1.8	1.8	1.8	0.9	0.0	0.9	0.9	0.9	0.9
160°	0.9	0.9	1.8	1.8	1.8	0.9	0.0	0.0	0.9	0.9	0.9
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: P416417

CATALOG NUMBER: LXF.LXT-PA1-70-750-U-T4W-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	262.6	262.6	262.6	262.6	262.6	262.6	262.6	262.6	262.6	262.6	262.6
2.5°	264.4	262.6	258.9	256.2	253.4	250.7	248.0	246.1	243.4	243.4	243.4
5°	273.6	269.0	261.7	256.2	249.8	245.2	239.7	236.1	233.3	232.4	232.4
7.5°	289.1	282.7	271.7	260.8	251.6	244.3	237.9	233.3	229.7	228.7	228.7
10°	311.1	302.9	285.5	272.7	260.8	250.7	242.5	236.1	233.3	231.5	231.5
12.5°	343.1	332.1	312.0	290.0	274.5	261.7	251.6	248.9	248.9	249.8	248.9
15°	381.5	370.6	343.1	317.5	294.6	280.0	274.5	274.5	273.6	275.4	275.4
17.5°	430.0	414.5	381.5	347.7	321.2	307.4	301.9	300.1	301.9	304.7	302.9
20°	487.7	464.8	423.6	381.5	353.2	339.5	330.3	328.5	331.2	333.0	334.0
22.5°	548.1	523.4	471.2	417.2	387.9	369.6	359.6	356.8	361.4	366.0	366.9
25°	616.7	589.2	522.4	460.2	419.1	394.3	385.2	384.3	391.6	398.0	398.0
27.5°	699.9	663.3	578.3	506.9	453.8	420.9	410.8	411.7	421.8	427.3	429.1
30°	786.9	745.7	642.3	549.9	481.3	441.9	430.9	435.5	445.6	456.6	458.4
32.5°	884.8	836.3	704.5	592.9	506.0	458.4	446.5	455.7	466.6	479.4	481.3
35°	987.2	922.3	768.6	632.2	526.1	471.2	457.5	468.5	482.2	494.1	497.7
37.5°	1103.4	1026.6	838.1	664.3	541.7	478.5	463.9	476.7	492.2	504.1	505.1
40°	1222.4	1133.6	904.0	694.5	552.6	483.1	467.5	480.4	495.0	505.1	506.0
42.5°	1346.8	1242.5	965.3	719.2	558.1	483.1	465.7	478.5	492.2	497.7	498.7
45°	1492.3	1357.8	1028.4	736.5	560.0	481.3	463.0	473.0	483.1	484.9	487.7
47.5°	1638.7	1472.2	1082.4	749.4	559.0	476.7	458.4	466.6	473.0	471.2	473.9
50°	1793.3	1596.6	1134.6	757.6	554.5	472.1	452.0	459.3	461.1	455.7	455.7
52.5°	1941.5	1704.6	1174.8	758.5	548.1	466.6	447.4	452.9	452.0	441.9	442.8
55°	2089.8	1819.9	1208.7	750.3	538.9	461.1	442.8	446.5	443.8	431.9	430.0
57.5°	2217.0	1913.2	1223.3	738.4	528.8	455.7	440.1	443.8	438.3	424.5	423.6
60°	2324.9	1985.5	1224.2	721.9	517.0	451.1	437.4	441.9	437.4	420.9	419.1
62.5°	2391.7	2018.4	1200.4	696.3	505.1	445.6	437.4	441.0	435.5	419.1	418.1
65°	2402.7	2001.9	1162.0	667.0	491.3	440.1	435.5	440.1	434.6	417.2	415.4
67°	2359.7	1954.4	1109.8	639.6	479.4	435.5	431.9	438.3	431.9	415.4	412.6
67.5°	2345.0	1932.4	1098.0	635.9	476.7	433.7	430.9	436.4	430.9	414.5	411.7
70°	2217.0	1812.5	1008.3	595.6	459.3	424.5	424.5	429.1	423.6	408.1	403.5
72.5°	2019.3	1644.2	918.6	557.2	440.1	410.8	413.6	418.1	412.6	398.0	392.5
75°	1790.6	1454.8	818.9	512.4	418.1	397.1	398.9	403.5	398.0	382.5	377.9
77.5°	1536.2	1236.1	718.2	471.2	395.3	378.8	379.7	382.5	377.9	362.3	357.7
80°	1263.6	1019.3	615.8	424.5	368.7	355.9	356.8	356.8	350.4	337.6	334.0
82.5°	1018.4	828.0	525.2	383.4	339.5	330.3	330.3	329.4	321.2	310.2	304.7
85°	792.4	667.9	440.1	341.3	310.2	301.9	301.0	297.4	289.1	277.2	270.8
87.5°	621.3	528.8	370.6	301.0	280.9	275.4	269.9	261.7	255.3	245.2	239.7
90°	484.9	420.0	312.9	264.4	252.5	245.2	239.7	229.7	219.6	209.5	206.8
92.5°	379.7	332.1	260.8	230.6	223.3	217.8	210.4	199.5	190.3	178.4	179.3
95°	301.0	269.9	222.3	203.1	197.6	193.1	183.9	172.0	161.9	151.0	149.1
97.5°	236.1	215.0	186.7	176.6	174.8	169.3	160.1	148.2	137.2	125.3	125.3
100°	187.6	175.7	157.4	155.5	151.9	148.2	139.1	128.1	114.4	104.3	104.3
102.5°	151.0	140.9	134.5	134.5	133.6	129.9	120.8	109.8	96.1	86.0	86.0
105°	120.8	117.1	114.4	117.1	118.0	114.4	105.2	93.3	79.6	70.5	72.3
107.5°	100.6	97.9	97.9	101.6	103.4	99.7	91.5	78.7	65.9	59.5	59.5



REPORT NUMBER: P416417

CATALOG NUMBER: LXF.LXT-PA1-70-750-U-T4W-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	83.3	82.3	84.2	88.8	89.7	86.9	78.7	66.8	54.9	49.4	50.3
112.5°	70.5	69.5	73.2	77.8	78.7	75.9	67.7	56.7	45.7	42.1	42.1
115°	59.5	60.4	63.1	66.8	68.6	65.9	58.6	48.5	37.5	35.7	35.7
117.5°	51.2	52.2	54.9	59.5	60.4	56.7	49.4	40.3	32.0	31.1	31.1
120°	44.8	45.7	48.5	51.2	52.2	48.5	42.1	33.9	27.4	26.5	26.5
122.5°	39.3	41.2	43.0	44.8	45.7	42.1	36.6	28.4	22.9	22.9	23.8
125°	34.8	35.7	37.5	39.3	39.3	35.7	30.2	23.8	20.1	20.1	20.1
127.5°	31.1	31.1	32.0	33.9	33.9	31.1	25.6	19.2	17.4	17.4	18.3
130°	27.4	28.4	28.4	28.4	28.4	25.6	21.0	16.5	14.6	15.6	15.6
132.5°	23.8	24.7	24.7	24.7	23.8	21.0	17.4	13.7	12.8	13.7	13.7
135°	21.0	21.0	21.0	21.0	19.2	17.4	13.7	11.0	11.0	11.9	11.9
137.5°	18.3	18.3	18.3	17.4	15.6	13.7	11.0	9.1	9.1	10.1	10.1
140°	14.6	15.6	14.6	13.7	11.9	10.1	8.2	7.3	8.2	8.2	8.2
142.5°	11.9	11.9	11.9	11.0	9.1	7.3	6.4	5.5	6.4	6.4	7.3
145°	9.1	9.1	9.1	8.2	6.4	4.6	4.6	4.6	5.5	5.5	5.5
147.5°	6.4	6.4	6.4	5.5	3.7	2.7	2.7	2.7	3.7	3.7	3.7
150°	4.6	4.6	4.6	3.7	1.8	0.9	0.9	1.8	2.7	2.7	2.7
152.5°	2.7	2.7	2.7	1.8	0.9	0.0	0.9	1.8	1.8	0.9	0.9
155°	1.8	1.8	1.8	1.8	0.9	0.0	0.9	0.9	0.9	0.0	0.0
157.5°	1.8	1.8	0.9	0.9	0.0	0.0	0.0	0.9	0.0	0.0	0.0
160°	0.9	0.9	0.9	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)