

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: P416261

Luminaire Tested: **LXF.LXT-PA1-70-727-U-T4W-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416261
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-PA1-70-727-U-T4W-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 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: 6448 lumens
Efficiency: N/A
Efficacy: 87.1 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

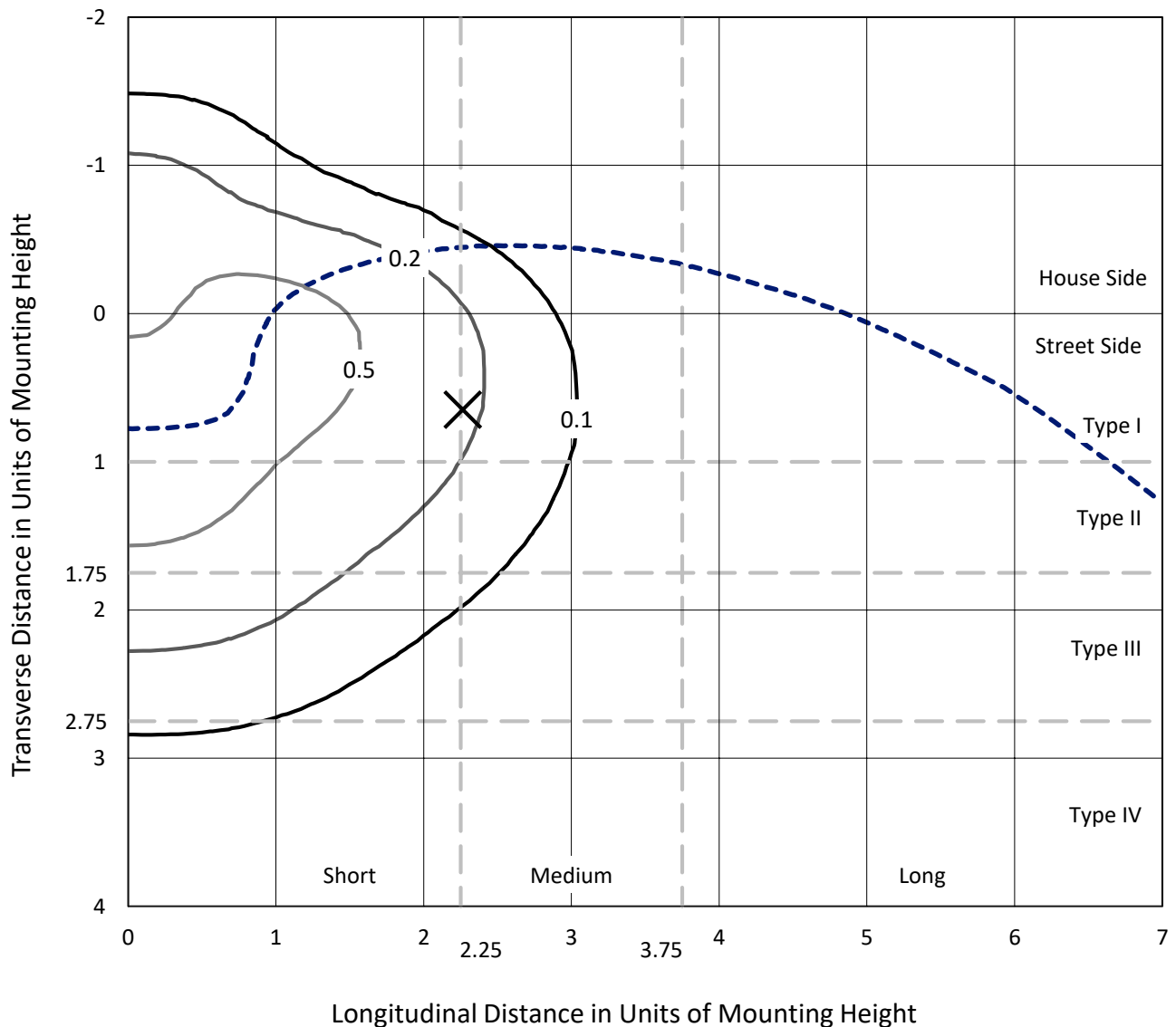


REPORT NUMBER: P416261

CATALOG NUMBER: LXF.LXT-PA1-70-727-U-T4W-FL

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

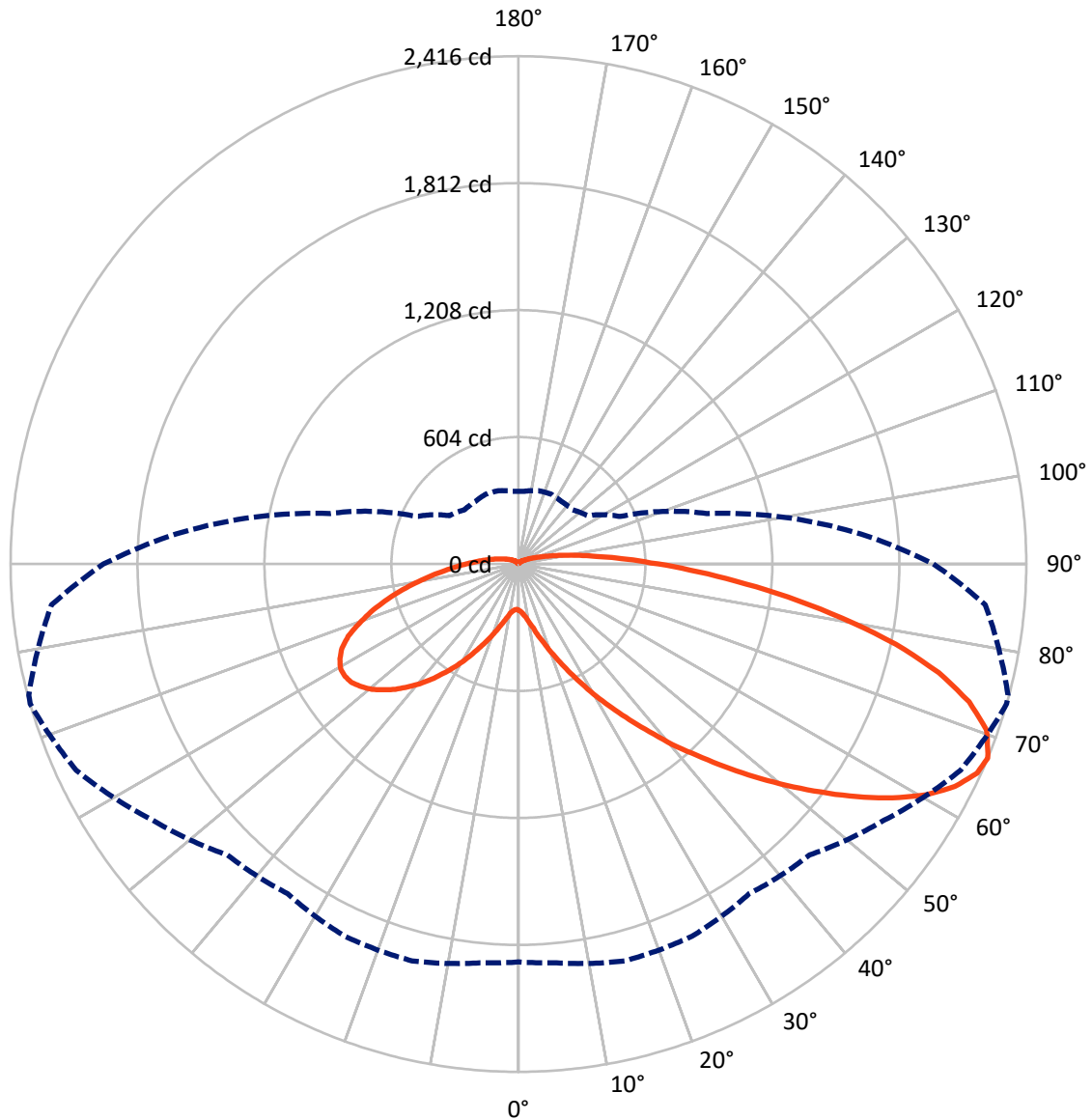


Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P416261

CATALOG NUMBER: LXF.LXT-PA1-70-727-U-T4W-FL

Luminous Intensity Polar Plot



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

REPORT NUMBER: P416261

CATALOG NUMBER: LXF.LXT-PA1-70-727-U-T4W-FL

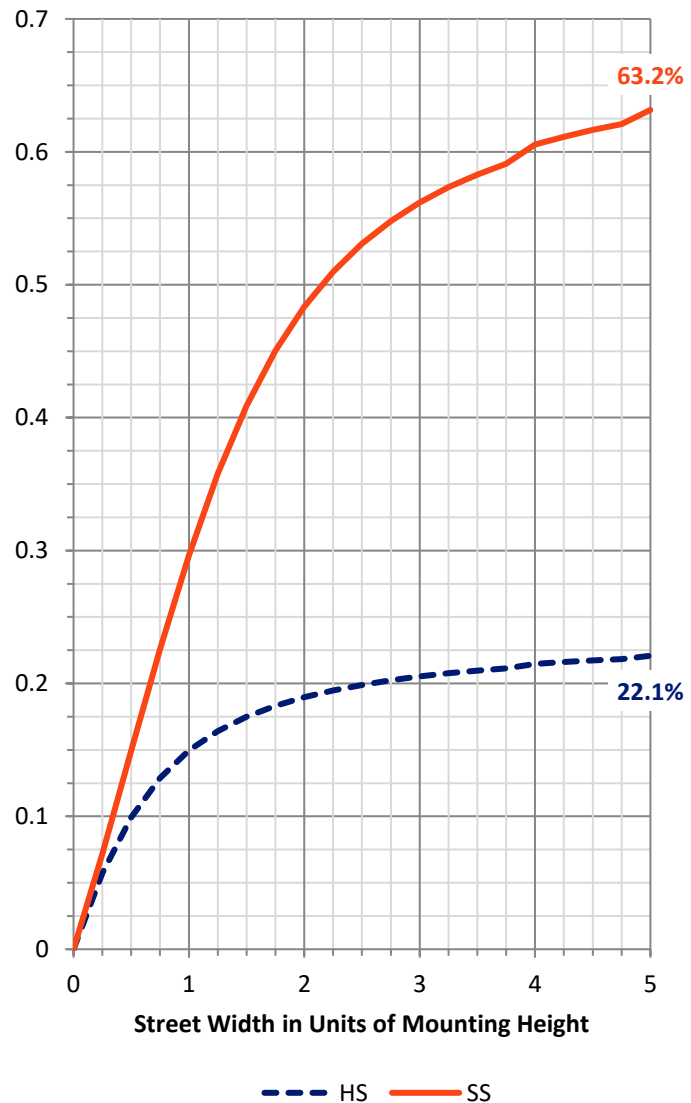
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1503.6	180.7	1684.4
	% Fixture	23.3	2.8	26.1
Street Side	Lumens	4351.4	412.3	4763.7
	% Fixture	67.5	6.4	73.9
Total	Lumens	5855.0	593.0	6448.0
	% Fixture	90.8	9.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.0	0.4
10°-20°	94.0	1.5
20°-30°	233.3	3.6
30°-40°	455.7	7.1
40°-50°	753.6	11.7
50°-60°	1092.3	16.9
60°-70°	1322.0	20.5
70°-80°	1175.2	18.2
80°-90°	706.0	10.9
90°-100°	324.1	5.0
100°-110°	144.3	2.2
110°-120°	68.9	1.1
120°-130°	34.1	0.5
130°-140°	15.6	0.2
140°-150°	5.1	0.1
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5855.0	90.8
0°-180°	6448.0	100.0



REPORT NUMBER: P416261

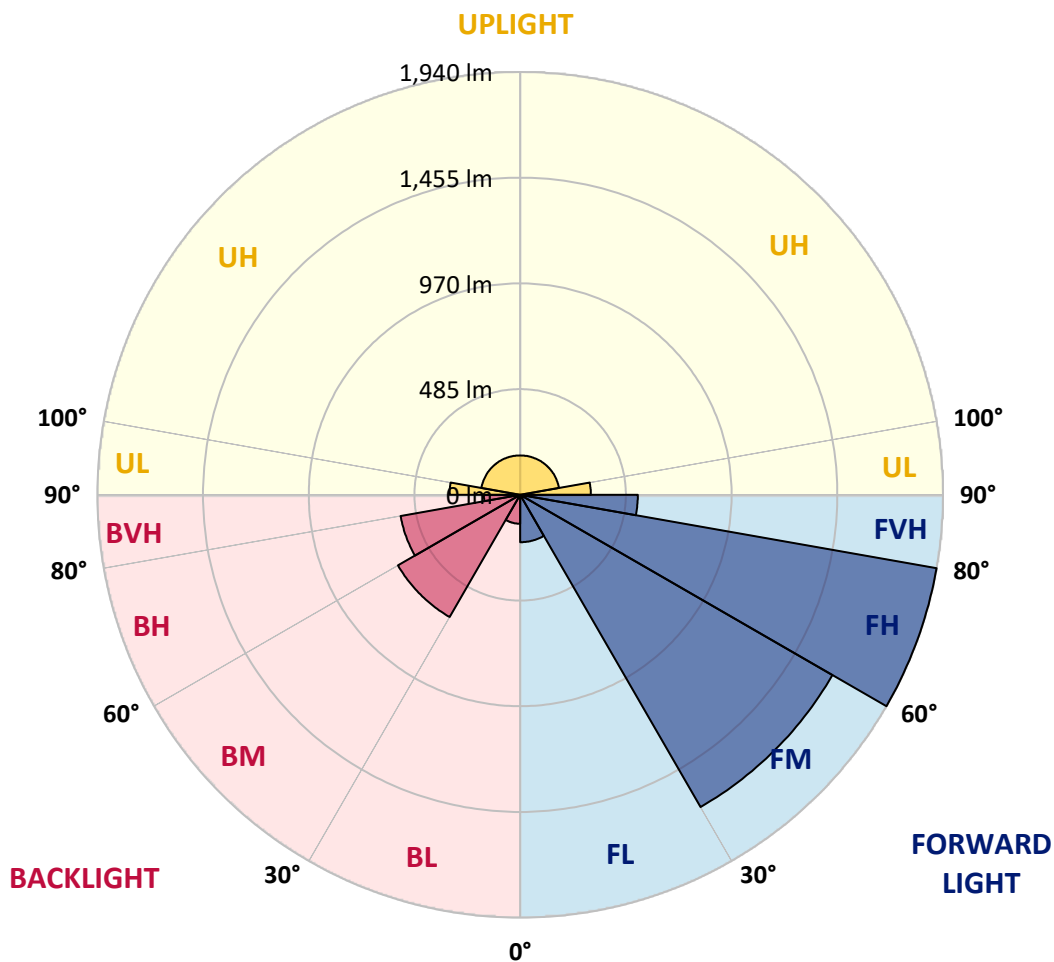
CATALOG NUMBER: LXF.LXT-PA1-70-727-U-T4W-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	217.4	3.4			
FM (30°-60°)	1654.3	25.7			
FH (60°-80°)	1940.1	30.1			G2/5000
FVH (80°-90°)	539.6	8.4			G4/750
BL (0°-30°)	132.8	2.1	B1/500		
BM (30°-60°)	647.2	10.0	B1/1000		
BH (60°-80°)	557.2	8.6	B2/1000		G2/1000
BVH (80°-90°)	166.4	2.6			G2/225
UL (90°-100°)	324.1	5.0		U3/500	
UH (100°-180°)	180.7	2.8		U3/500	

BUG Rating: B2-U3-G4

Type IV Medium





REPORT NUMBER: P416261

CATALOG NUMBER: LXF.LXT-PA1-70-727-U-T4W-FL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	219.6	219.6	219.6	219.6	219.6	219.6	219.6	219.6	219.6	219.6	219.6
2.5°	242.6	240.3	240.3	238.7	238.0	235.7	234.2	228.8	226.5	226.5	222.7
5°	268.6	267.1	264.0	264.0	260.9	257.9	251.7	244.9	239.5	238.7	231.9
7.5°	300.7	296.9	296.9	293.1	288.5	283.1	274.7	265.5	257.1	256.3	245.6
10°	337.5	335.9	334.4	329.0	322.9	312.2	304.5	291.5	281.6	280.8	266.3
12.5°	382.6	380.3	375.7	370.4	359.6	352.0	338.2	323.7	310.7	311.4	294.6
15°	431.6	430.0	427.0	418.6	406.3	395.6	381.8	366.5	353.5	348.2	330.6
17.5°	487.4	484.4	480.5	471.4	457.6	446.9	428.5	414.0	397.1	397.9	372.7
20°	553.2	550.2	544.8	530.3	518.0	503.5	484.4	468.3	449.2	447.6	422.4
22.5°	618.3	619.8	606.8	591.5	580.0	563.2	544.8	524.2	507.3	505.8	476.7
25°	698.6	693.3	680.3	662.7	645.1	624.4	608.3	590.0	573.9	572.4	537.9
27.5°	782.8	778.2	760.6	738.4	714.7	691.7	678.0	658.8	646.6	644.3	609.1
30°	874.6	867.0	850.9	821.1	788.2	762.1	748.4	741.5	730.0	726.9	691.0
32.5°	977.9	968.0	944.3	908.3	860.8	831.8	825.6	819.5	814.9	810.3	776.7
35°	1080.5	1077.4	1042.2	997.8	951.1	912.9	902.2	912.1	909.1	906.0	870.0
37.5°	1188.4	1193.7	1155.4	1097.3	1033.0	992.5	984.8	1003.2	1011.6	1011.6	968.7
40°	1315.4	1310.8	1272.5	1201.4	1126.4	1078.9	1081.2	1108.8	1129.4	1124.8	1082.8
42.5°	1441.6	1431.7	1381.2	1311.5	1216.7	1169.2	1169.2	1211.3	1242.7	1243.4	1199.1
45°	1565.6	1554.9	1507.4	1416.4	1313.1	1261.8	1272.5	1323.8	1375.1	1368.2	1324.6
47.5°	1678.8	1674.3	1625.3	1528.1	1411.8	1358.2	1379.7	1456.2	1512.0	1512.0	1463.8
50°	1789.8	1783.7	1737.8	1628.3	1511.3	1458.5	1490.6	1584.0	1655.1	1658.9	1603.1
52.5°	1885.4	1881.6	1838.8	1730.1	1609.2	1555.6	1603.9	1720.9	1802.8	1811.2	1752.3
55°	1954.3	1956.6	1923.7	1820.4	1698.0	1653.6	1719.4	1857.1	1954.3	1955.8	1892.3
57.5°	2004.8	2007.9	1985.7	1896.2	1776.0	1742.4	1831.1	1988.7	2098.9	2105.8	2022.4
60°	2026.2	2031.6	2024.7	1949.7	1845.7	1824.2	1931.4	2106.6	2229.0	2231.3	2131.1
62.5°	2014.8	2020.1	2033.9	1980.3	1896.2	1895.4	2028.5	2209.1	2330.8	2333.9	2213.7
65°	1962.7	1971.1	2005.6	1980.3	1914.5	1939.8	2092.8	2287.9	2397.4	2401.2	2245.9
67°	1893.1	1903.8	1954.3	1953.5	1914.5	1957.4	2124.2	2320.8	2415.7	2411.1	2229.0
67.5°	1877.0	1887.7	1938.2	1945.9	1909.2	1959.7	2128.0	2324.7	2408.8	2408.1	2218.3
70°	1740.8	1760.0	1833.4	1870.1	1869.4	1941.3	2126.5	2304.0	2362.2	2354.5	2128.8
72.5°	1584.0	1607.7	1697.2	1767.6	1790.6	1883.9	2070.6	2222.1	2241.3	2232.1	1961.2
75°	1422.5	1435.5	1528.9	1629.1	1687.3	1786.7	1965.8	2092.0	2065.3	2043.1	1751.5
77.5°	1251.9	1257.2	1361.3	1473.8	1544.2	1658.9	1809.7	1901.5	1835.7	1817.3	1512.8
80°	1053.7	1075.9	1179.9	1297.0	1384.2	1488.3	1615.3	1670.4	1560.2	1543.4	1258.7
82.5°	891.5	905.2	1000.1	1114.9	1212.8	1310.8	1393.4	1408.0	1292.4	1280.2	1011.6
85°	727.7	739.9	839.4	945.8	1037.6	1119.5	1174.6	1153.2	1033.0	1020.0	799.6
87.5°	602.2	611.4	680.3	788.2	869.3	928.2	957.3	930.5	815.7	797.3	617.5
90°	477.5	491.3	553.2	644.3	726.9	765.2	768.3	723.9	629.8	616.0	472.9
92.5°	385.7	394.8	453.8	529.5	594.6	623.6	616.0	578.5	492.0	476.0	365.8
95°	312.2	319.9	368.8	435.4	488.2	515.0	493.6	443.8	375.7	369.6	282.4
97.5°	259.4	260.9	299.2	358.9	401.0	414.7	397.9	352.8	293.8	281.6	216.6
100°	212.0	213.5	245.6	290.8	329.0	338.2	321.4	277.8	228.0	220.4	169.9
102.5°	172.2	176.0	200.5	241.0	269.3	276.2	258.6	220.4	176.0	170.6	132.4
105°	146.2	146.9	168.3	199.0	224.2	229.6	212.0	179.1	138.5	135.4	105.6
107.5°	124.0	124.0	140.8	167.6	187.5	190.5	176.8	146.2	109.4	106.4	85.7



REPORT NUMBER: P416261

CATALOG NUMBER: LXF.LXT-PA1-70-727-U-T4W-FL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	106.4	107.1	119.4	140.8	159.2	161.5	147.7	117.1	87.2	84.9	69.6
112.5°	92.6	94.1	102.5	119.4	135.4	137.7	124.0	95.6	71.2	68.1	58.2
115°	81.9	82.6	88.8	102.5	115.5	117.1	103.3	78.8	57.4	55.1	49.0
117.5°	72.7	73.5	78.1	89.5	99.5	100.2	86.5	65.0	48.2	45.9	42.9
120°	65.8	65.8	69.6	77.3	85.7	85.7	72.7	53.6	39.8	39.0	36.7
122.5°	59.7	59.7	62.0	67.3	73.5	71.9	60.5	44.4	33.7	32.9	32.1
125°	54.3	54.3	55.9	58.9	62.7	60.5	49.7	36.7	29.1	28.3	28.3
127.5°	49.0	49.0	49.7	52.0	52.8	50.5	41.3	30.6	25.3	24.5	25.3
130°	44.4	44.4	44.4	44.4	44.4	42.9	33.7	25.3	21.4	21.4	22.2
132.5°	39.8	39.8	39.0	38.3	37.5	34.4	27.5	20.7	19.1	19.1	19.9
135°	35.2	35.2	34.4	32.9	30.6	26.8	20.7	16.8	16.1	16.1	16.8
137.5°	30.6	30.6	29.8	27.5	24.5	20.7	16.1	13.8	13.8	13.8	14.5
140°	26.0	26.0	25.3	23.0	19.1	15.3	12.2	10.7	11.5	11.5	12.2
142.5°	22.2	21.4	20.7	18.4	14.5	10.7	8.4	8.4	9.2	9.2	9.9
145°	17.6	16.8	16.1	13.8	10.7	7.7	6.1	6.1	6.9	6.9	7.7
147.5°	13.8	13.0	12.2	9.9	7.7	5.4	3.8	4.6	5.4	5.4	5.4
150°	9.2	9.2	9.2	7.7	4.6	3.1	2.3	3.1	3.1	3.1	3.8
152.5°	6.1	6.1	6.1	4.6	3.1	1.5	1.5	1.5	2.3	2.3	2.3
155°	3.8	3.8	3.8	3.1	1.5	0.8	0.8	0.8	1.5	1.5	1.5
157.5°	1.5	1.5	1.5	1.5	1.5	0.8	0.0	0.8	0.8	0.8	0.8
160°	0.8	0.8	1.5	1.5	1.5	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: P416261

CATALOG NUMBER: LXF.LXT-PA1-70-727-U-T4W-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	219.6	219.6	219.6	219.6	219.6	219.6	219.6	219.6	219.6	219.6	219.6
2.5°	221.1	219.6	216.6	214.3	212.0	209.7	207.4	205.8	203.5	203.5	203.5
5°	228.8	225.0	218.8	214.3	208.9	205.1	200.5	197.4	195.1	194.4	194.4
7.5°	241.8	236.4	227.3	218.1	210.4	204.3	199.0	195.1	192.1	191.3	191.3
10°	260.2	253.3	238.7	228.0	218.1	209.7	202.8	197.4	195.1	193.6	193.6
12.5°	286.9	277.8	260.9	242.6	229.6	218.8	210.4	208.1	208.1	208.9	208.1
15°	319.1	309.9	286.9	265.5	246.4	234.2	229.6	229.6	228.8	230.3	230.3
17.5°	359.6	346.6	319.1	290.8	268.6	257.1	252.5	251.0	252.5	254.8	253.3
20°	407.9	388.7	354.3	319.1	295.4	283.9	276.2	274.7	277.0	278.5	279.3
22.5°	458.4	437.7	394.1	348.9	324.4	309.1	300.7	298.4	302.3	306.1	306.8
25°	515.7	492.8	436.9	384.9	350.5	329.8	322.1	321.4	327.5	332.9	332.9
27.5°	585.4	554.8	483.6	423.9	379.5	352.0	343.6	344.3	352.8	357.3	358.9
30°	658.1	623.6	537.2	459.9	402.5	369.6	360.4	364.2	372.7	381.8	383.4
32.5°	739.9	699.4	589.2	495.8	423.2	383.4	373.4	381.1	390.3	401.0	402.5
35°	825.6	771.3	642.8	528.8	440.0	394.1	382.6	391.8	403.3	413.2	416.3
37.5°	922.8	858.6	700.9	555.5	453.0	400.2	388.0	398.7	411.7	421.6	422.4
40°	1022.3	948.1	756.0	580.8	462.2	404.0	391.0	401.7	414.0	422.4	423.2
42.5°	1126.4	1039.1	807.3	601.4	466.8	404.0	389.5	400.2	411.7	416.3	417.0
45°	1248.0	1135.6	860.1	616.0	468.3	402.5	387.2	395.6	404.0	405.6	407.9
47.5°	1370.5	1231.2	905.2	626.7	467.5	398.7	383.4	390.3	395.6	394.1	396.4
50°	1499.8	1335.3	948.8	633.6	463.7	394.8	378.0	384.1	385.7	381.1	381.1
52.5°	1623.7	1425.6	982.5	634.3	458.4	390.3	374.2	378.8	378.0	369.6	370.4
55°	1747.7	1522.0	1010.8	627.5	450.7	385.7	370.4	373.4	371.1	361.2	359.6
57.5°	1854.1	1600.0	1023.1	617.5	442.3	381.1	368.1	371.1	366.5	355.1	354.3
60°	1944.4	1660.5	1023.8	603.7	432.3	377.2	365.8	369.6	365.8	352.0	350.5
62.5°	2000.2	1688.0	1003.9	582.3	422.4	372.7	365.8	368.8	364.2	350.5	349.7
65°	2009.4	1674.3	971.8	557.8	410.9	368.1	364.2	368.1	363.5	348.9	347.4
67°	1973.4	1634.5	928.2	534.9	401.0	364.2	361.2	366.5	361.2	347.4	345.1
67.5°	1961.2	1616.1	918.2	531.8	398.7	362.7	360.4	365.0	360.4	346.6	344.3
70°	1854.1	1515.9	843.2	498.1	384.1	355.1	355.1	358.9	354.3	341.3	337.5
72.5°	1688.8	1375.1	768.3	466.0	368.1	343.6	345.9	349.7	345.1	332.9	328.3
75°	1497.5	1216.7	684.9	428.5	349.7	332.1	333.6	337.5	332.9	319.9	316.0
77.5°	1284.8	1033.8	600.7	394.1	330.6	316.8	317.6	319.9	316.0	303.0	299.2
80°	1056.7	852.4	515.0	355.1	308.4	297.7	298.4	298.4	293.1	282.4	279.3
82.5°	851.7	692.5	439.2	320.6	283.9	276.2	276.2	275.5	268.6	259.4	254.8
85°	662.7	558.6	368.1	285.4	259.4	252.5	251.7	248.7	241.8	231.9	226.5
87.5°	519.6	442.3	309.9	251.7	234.9	230.3	225.7	218.8	213.5	205.1	200.5
90°	405.6	351.2	261.7	221.1	211.2	205.1	200.5	192.1	183.6	175.2	172.9
92.5°	317.6	277.8	218.1	192.8	186.7	182.1	176.0	166.8	159.2	149.2	150.0
95°	251.7	225.7	185.9	169.9	165.3	161.5	153.8	143.9	135.4	126.3	124.7
97.5°	197.4	179.8	156.1	147.7	146.2	141.6	133.9	124.0	114.8	104.8	104.8
100°	156.9	146.9	131.6	130.1	127.0	124.0	116.3	107.1	95.6	87.2	87.2
102.5°	126.3	117.8	112.5	112.5	111.7	108.7	101.0	91.8	80.3	71.9	71.9
105°	101.0	97.9	95.6	97.9	98.7	95.6	88.0	78.1	66.6	58.9	60.5
107.5°	84.2	81.9	81.9	84.9	86.5	83.4	76.5	65.8	55.1	49.7	49.7



REPORT NUMBER: P416261

CATALOG NUMBER: LXF.LXT-PA1-70-727-U-T4W-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	69.6	68.9	70.4	74.2	75.0	72.7	65.8	55.9	45.9	41.3	42.1
112.5°	58.9	58.2	61.2	65.0	65.8	63.5	56.6	47.4	38.3	35.2	35.2
115°	49.7	50.5	52.8	55.9	57.4	55.1	49.0	40.6	31.4	29.8	29.8
117.5°	42.9	43.6	45.9	49.7	50.5	47.4	41.3	33.7	26.8	26.0	26.0
120°	37.5	38.3	40.6	42.9	43.6	40.6	35.2	28.3	23.0	22.2	22.2
122.5°	32.9	34.4	36.0	37.5	38.3	35.2	30.6	23.7	19.1	19.1	19.9
125°	29.1	29.8	31.4	32.9	32.9	29.8	25.3	19.9	16.8	16.8	16.8
127.5°	26.0	26.0	26.8	28.3	28.3	26.0	21.4	16.1	14.5	14.5	15.3
130°	23.0	23.7	23.7	23.7	23.7	21.4	17.6	13.8	12.2	13.0	13.0
132.5°	19.9	20.7	20.7	20.7	19.9	17.6	14.5	11.5	10.7	11.5	11.5
135°	17.6	17.6	17.6	17.6	16.1	14.5	11.5	9.2	9.2	9.9	9.9
137.5°	15.3	15.3	15.3	14.5	13.0	11.5	9.2	7.7	7.7	8.4	8.4
140°	12.2	13.0	12.2	11.5	9.9	8.4	6.9	6.1	6.9	6.9	6.9
142.5°	9.9	9.9	9.9	9.2	7.7	6.1	5.4	4.6	5.4	5.4	6.1
145°	7.7	7.7	7.7	6.9	5.4	3.8	3.8	3.8	4.6	4.6	4.6
147.5°	5.4	5.4	5.4	4.6	3.1	2.3	2.3	2.3	3.1	3.1	3.1
150°	3.8	3.8	3.8	3.1	1.5	0.8	0.8	1.5	2.3	2.3	2.3
152.5°	2.3	2.3	2.3	1.5	0.8	0.0	0.8	1.5	1.5	0.8	0.8
155°	1.5	1.5	1.5	1.5	0.8	0.0	0.8	0.8	0.8	0.0	0.0
157.5°	1.5	1.5	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)