

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: P416277

Luminaire Tested: **LXF.LXT-PA1-70-730-U-SL3-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416277
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-4)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-70-730-U-SL3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6931 lumens
Efficiency: N/A
Efficacy: 93.7 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

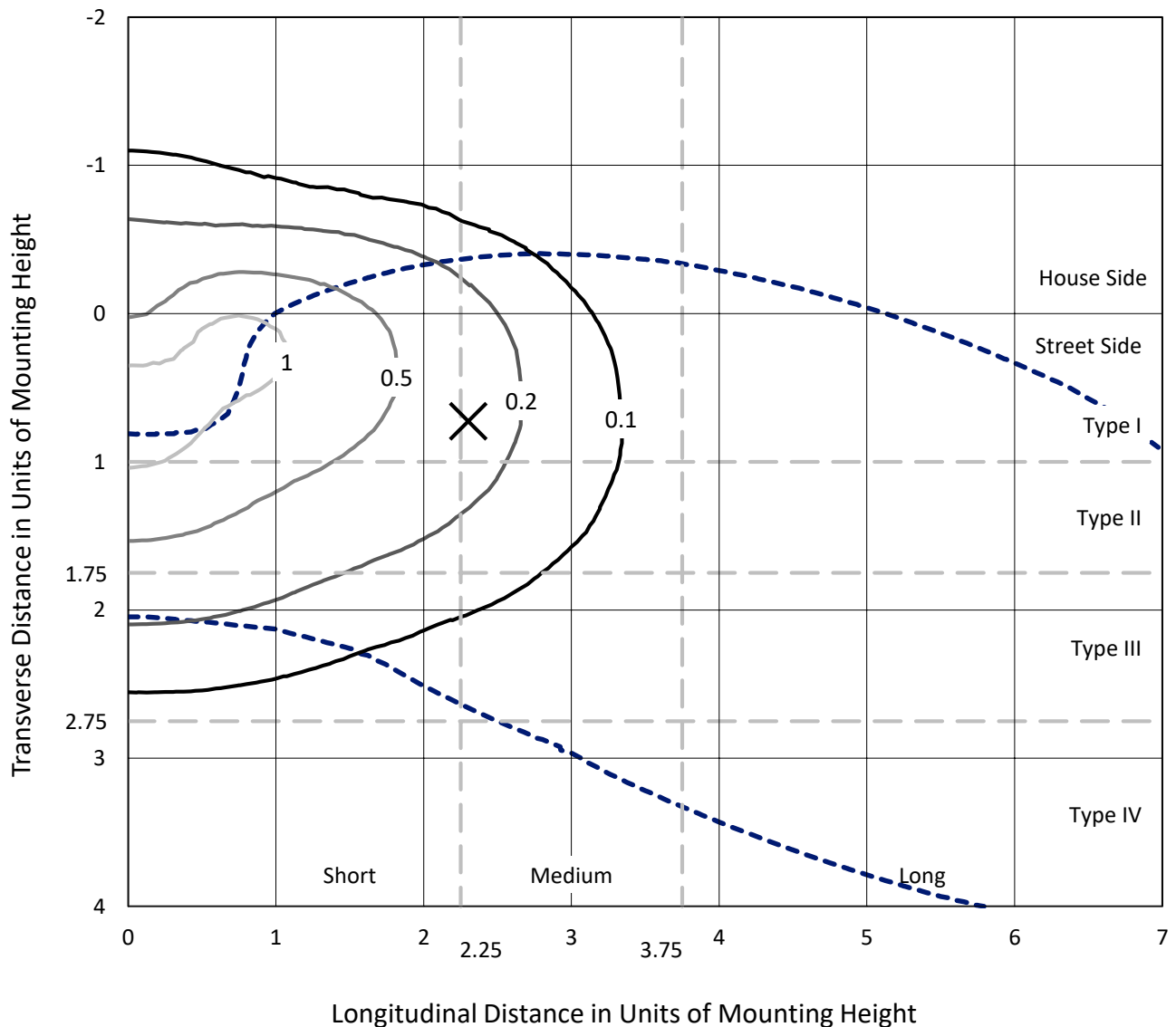
Input Watts (W): 74
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P416277
 CATALOG NUMBER: LXF.LXT-PA1-70-730-U-SL3-FL

Iso-Footcandle Lines of Horizontal Illumination

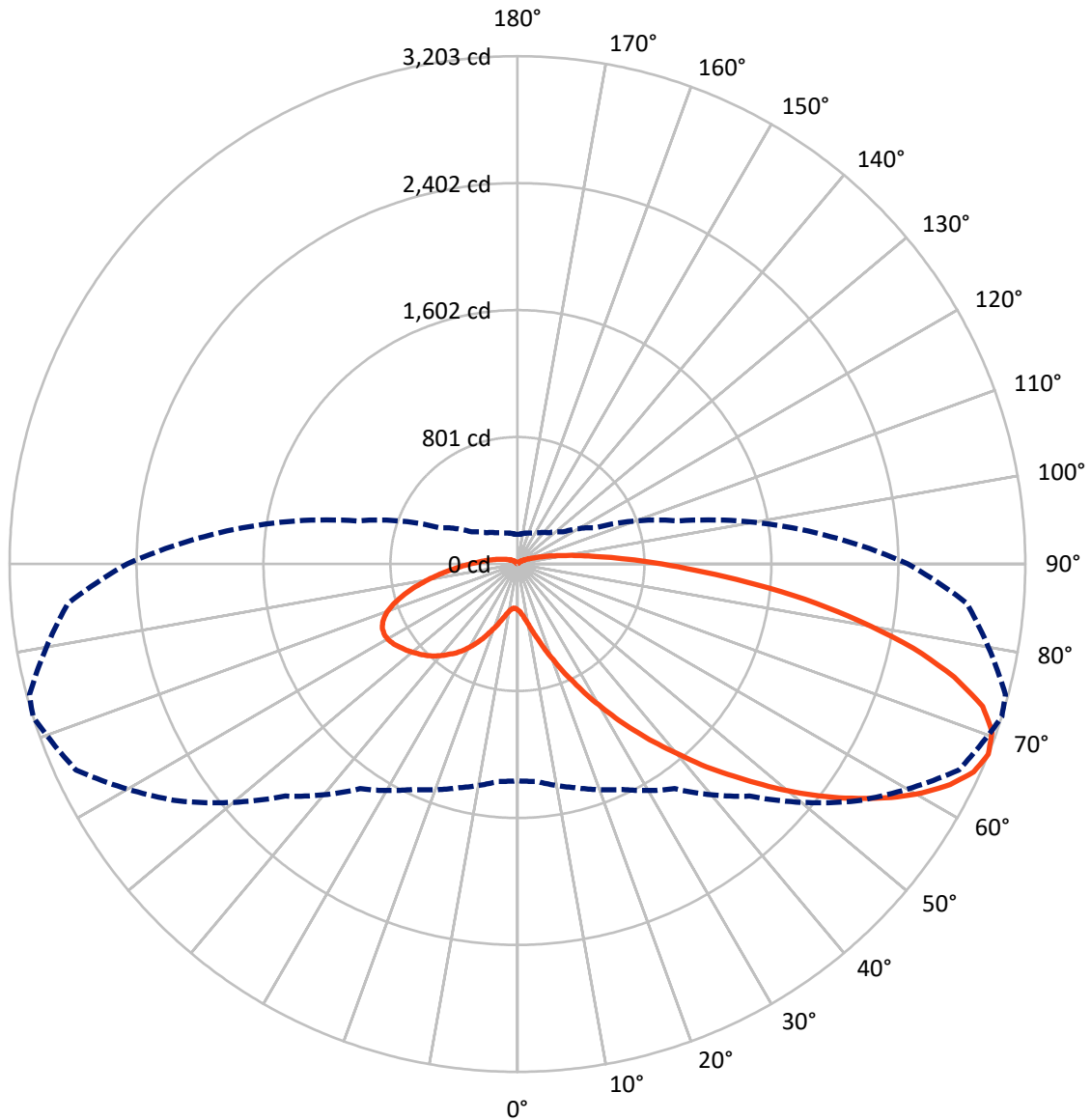
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P416277
CATALOG NUMBER: LXF.LXT-PA1-70-730-U-SL3-FL

Luminous Intensity Polar Plot



— Vertical Plane Through 72.5-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical



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CATALOG NUMBER: LXF.LXT-PA1-70-730-U-SL3-FL

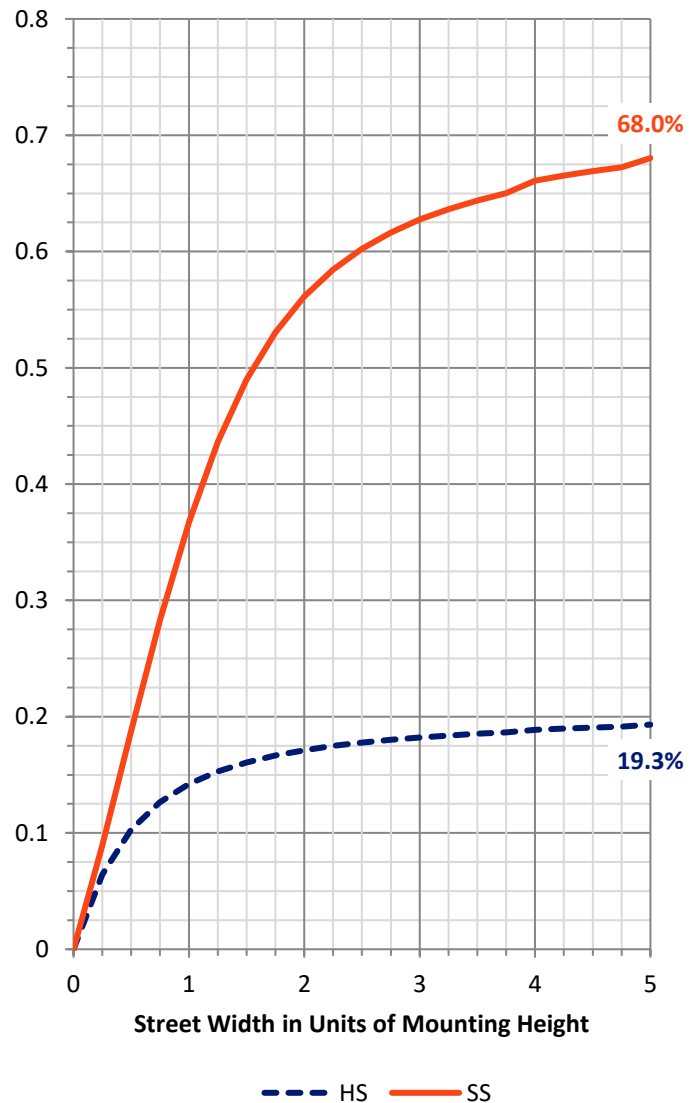
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1407.4	200.2	1607.7
	% Fixture	20.3	2.9	23.2
Street Side	Lumens	4935.2	388.1	5323.3
	% Fixture	71.2	5.6	76.8
Total	Lumens	6342.6	588.4	6931.0
	% Fixture	91.5	8.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.8	0.4
10°-20°	118.3	1.7
20°-30°	285.5	4.1
30°-40°	544.3	7.9
40°-50°	876.1	12.6
50°-60°	1212.2	17.5
60°-70°	1392.7	20.1
70°-80°	1195.5	17.2
80°-90°	688.3	9.9
90°-100°	311.1	4.5
100°-110°	143.0	2.1
110°-120°	71.9	1.0
120°-130°	37.3	0.5
130°-140°	17.7	0.3
140°-150°	6.1	0.1
150°-160°	1.1	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	6342.6	91.5
0°-180°	6931.0	100.0



REPORT NUMBER: P416277

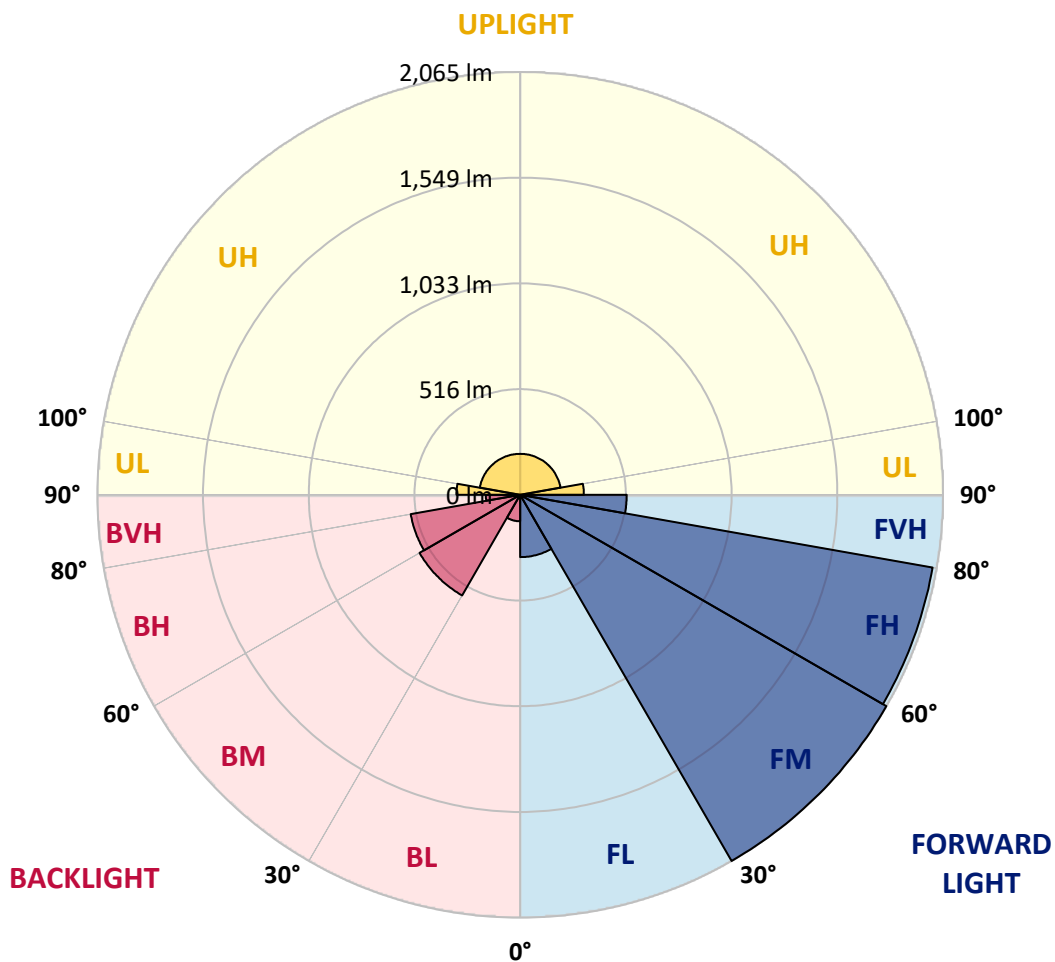
CATALOG NUMBER: LXF.LXT-PA1-70-730-U-SL3-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	304.4	4.4			
FM	(30°-60°)	2065.0	29.8			
FH	(60°-80°)	2045.5	29.5			G2/5000
FVH	(80°-90°)	520.3	7.5			G4/750
BL	(0°-30°)	129.3	1.9	B1/500		
BM	(30°-60°)	567.5	8.2	B1/1000		
BH	(60°-80°)	542.7	7.8	B2/1000		G2/1000
BVH	(80°-90°)	168.0	2.4			G2/225
UL	(90°-100°)	311.1	4.5		U3/500	
UH	(100°-180°)	200.2	2.9		U3/500	

BUG Rating: B2-U3-G4

Type IV Medium





REPORT NUMBER: P416277

CATALOG NUMBER: LXF.LXT-PA1-70-730-U-SL3-FL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
0°	289.1	289.1	289.1	289.1	289.1	289.1	289.1	289.1	289.1	289.1	289.1
2.5°	324.1	323.3	324.1	321.6	319.1	314.1	310.8	304.1	300.8	299.1	292.5
5°	370.0	369.1	368.3	365.0	356.6	350.8	340.8	329.1	321.6	318.3	307.5
7.5°	420.0	418.3	416.6	409.1	403.3	393.3	378.3	363.3	350.8	348.3	328.3
10°	476.6	475.0	471.6	465.8	455.0	440.8	427.5	405.8	390.0	382.5	360.8
12.5°	535.0	538.3	534.1	522.5	510.0	496.6	477.5	456.6	440.0	434.1	400.8
15°	605.8	608.3	604.1	590.8	577.4	557.4	542.5	520.8	498.3	495.0	458.3
17.5°	684.1	683.3	674.9	662.4	650.8	634.9	613.3	593.3	568.3	562.4	517.5
20°	769.1	765.8	758.3	737.4	726.6	708.3	694.9	667.4	643.3	634.9	589.9
22.5°	854.1	852.4	845.8	826.6	813.3	797.4	777.4	752.4	735.8	719.1	669.1
25°	960.7	950.7	942.4	908.2	895.8	880.8	863.3	842.4	826.6	817.4	759.9
27.5°	1067.4	1059.9	1040.7	1015.7	991.6	967.4	959.9	941.6	936.6	929.1	864.1
30°	1173.2	1169.9	1149.1	1117.4	1082.4	1059.1	1054.9	1056.6	1049.1	1039.9	970.7
32.5°	1293.2	1285.7	1262.4	1219.9	1183.2	1155.7	1155.7	1167.4	1174.1	1164.9	1091.6
35°	1410.7	1404.0	1374.9	1322.4	1281.5	1248.2	1261.6	1289.0	1304.9	1304.9	1214.1
37.5°	1534.9	1519.9	1489.9	1434.9	1379.9	1355.7	1370.7	1418.2	1441.5	1441.5	1349.9
40°	1643.2	1642.3	1601.5	1535.7	1481.5	1445.7	1491.5	1554.9	1585.7	1583.2	1486.5
42.5°	1751.5	1750.7	1711.5	1639.0	1570.7	1552.4	1609.9	1699.0	1749.0	1749.0	1624.9
45°	1849.0	1842.3	1809.0	1729.0	1665.7	1657.3	1742.3	1855.7	1907.3	1915.7	1774.8
47.5°	1920.7	1914.8	1885.7	1808.2	1748.2	1763.2	1865.7	2009.8	2079.8	2079.0	1928.2
50°	1969.0	1963.2	1938.2	1871.5	1819.8	1857.3	1999.8	2173.1	2260.6	2267.3	2079.8
52.5°	1983.2	1979.8	1966.5	1911.5	1878.2	1942.3	2125.6	2339.8	2438.9	2444.8	2245.6
55°	1959.0	1959.0	1958.2	1924.8	1911.5	2018.1	2255.6	2502.3	2609.8	2620.6	2408.9
57.5°	1902.3	1904.8	1919.8	1909.0	1929.0	2079.0	2365.6	2648.9	2778.9	2785.6	2554.8
60°	1816.5	1811.5	1844.8	1864.8	1919.0	2117.3	2463.1	2796.4	2932.2	2934.7	2683.1
62.5°	1686.5	1689.0	1737.3	1789.8	1883.2	2133.1	2548.9	2925.6	3063.1	3068.9	2783.1
65°	1533.2	1539.0	1604.9	1693.2	1821.5	2116.5	2598.1	3024.7	3162.2	3154.7	2840.6
67.5°	1367.4	1375.7	1461.5	1569.0	1729.8	2069.8	2606.4	3072.2	3203.0	3186.4	2845.6
70°	1185.7	1207.4	1293.2	1433.2	1611.5	1980.7	2558.1	3063.9	3175.5	3159.7	2771.4
72.5°	1020.7	1036.6	1130.7	1276.5	1479.0	1851.5	2455.6	2968.1	3068.1	3036.4	2616.4
75°	856.6	880.8	969.9	1125.7	1335.7	1691.5	2281.5	2783.1	2844.7	2810.6	2385.6
77.5°	716.6	738.3	826.6	976.6	1178.2	1524.0	2053.1	2502.3	2553.1	2518.1	2094.0
80°	584.1	608.3	694.1	841.6	1030.7	1327.4	1791.5	2174.0	2193.1	2138.1	1772.3
82.5°	488.3	500.8	580.8	710.8	884.9	1144.9	1523.2	1824.0	1824.8	1759.0	1439.9
85°	399.1	406.6	480.0	597.4	746.6	967.4	1250.7	1469.0	1452.4	1416.5	1109.9
87.5°	323.3	330.8	396.6	502.5	628.3	807.4	1020.7	1156.6	1117.4	1089.1	861.6
90°	265.0	273.3	327.5	419.1	527.5	666.6	812.4	894.1	859.1	837.4	664.1
92.5°	216.6	225.0	272.5	350.8	446.6	545.8	645.8	684.1	659.9	634.9	500.8
95°	183.3	185.0	227.5	293.3	369.1	440.8	505.8	528.3	495.0	485.8	387.5
97.5°	150.8	155.8	189.1	247.5	308.3	367.5	400.8	412.5	382.5	362.5	296.6
100°	128.3	130.8	160.0	206.6	256.6	299.1	325.0	319.1	292.5	280.8	225.0
102.5°	110.0	112.5	135.8	179.2	218.3	249.1	261.6	252.5	227.5	220.0	176.7
105°	96.7	97.5	116.7	151.7	185.0	210.8	215.8	201.6	177.5	167.5	139.2
107.5°	85.8	86.7	101.7	131.7	160.0	177.5	179.2	163.3	140.0	132.5	111.7
110°	76.7	78.3	89.2	114.2	138.3	151.7	150.0	133.3	111.7	105.0	91.7



REPORT NUMBER: P416277

CATALOG NUMBER: LXF.LXT-PA1-70-730-U-SL3-FL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	69.2	70.8	79.2	100.0	120.0	131.7	127.5	107.5	89.2	85.0	75.8
115°	63.3	65.0	71.7	88.3	105.8	114.2	107.5	89.2	73.3	68.3	63.3
117.5°	59.2	60.0	65.0	78.3	91.7	98.3	90.8	74.2	60.0	56.7	54.2
120°	55.0	55.8	60.0	69.2	80.8	84.2	76.7	60.8	50.0	48.3	47.5
122.5°	51.7	51.7	55.0	61.7	70.0	72.5	65.0	50.8	42.5	40.8	41.7
125°	48.3	48.3	50.0	55.0	60.8	62.5	54.2	42.5	35.8	35.0	36.7
127.5°	45.0	45.0	45.8	49.2	52.5	52.5	45.0	35.0	30.8	30.0	32.5
130°	41.7	41.7	41.7	43.3	45.0	44.2	36.7	29.2	26.7	26.7	28.3
132.5°	38.3	38.3	38.3	38.3	37.5	35.8	30.0	23.3	23.3	23.3	25.0
135°	34.2	34.2	34.2	33.3	31.7	29.2	23.3	19.2	19.2	20.0	21.7
137.5°	30.8	30.8	30.0	28.3	25.8	22.5	18.3	15.0	16.7	16.7	18.3
140°	26.7	26.7	25.8	23.3	20.0	16.7	13.3	12.5	13.3	14.2	15.8
142.5°	22.5	22.5	21.7	19.2	15.8	11.7	9.2	9.2	10.8	10.8	12.5
145°	18.3	18.3	17.5	15.0	10.8	7.5	5.8	6.7	8.3	8.3	9.2
147.5°	14.2	14.2	13.3	10.8	7.5	5.0	3.3	5.0	5.8	5.8	6.7
150°	10.0	10.0	9.2	7.5	5.0	2.5	1.7	2.5	3.3	4.2	4.2
152.5°	6.7	6.7	5.8	5.0	2.5	0.8	1.7	2.5	2.5	2.5	3.3
155°	4.2	3.3	3.3	2.5	0.8	0.0	0.8	1.7	1.7	1.7	2.5
157.5°	1.7	1.7	1.7	1.7	0.8	0.0	0.8	0.8	0.8	1.7	1.7
160°	0.0	0.8	0.8	1.7	0.8	0.0	0.8	0.8	0.8	0.8	0.8
162.5°	0.0	0.8	0.8	1.7	0.8	0.0	0.8	0.8	0.8	0.8	0.8
165°	0.0	0.8	0.8	1.7	0.8	0.0	0.8	0.8	0.8	0.8	0.8
167.5°	0.0	0.8	0.8	1.7	0.8	0.0	0.8	0.8	0.8	0.8	0.8
170°	0.0	0.8	0.8	1.7	0.8	0.0	0.8	0.8	0.8	0.8	0.8
172.5°	0.0	0.8	0.8	1.7	0.8	0.0	0.8	0.8	0.8	0.8	0.8
175°	0.0	0.8	0.8	1.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8
177.5°	0.0	0.8	0.8	1.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8
180°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8



REPORT NUMBER: P416277

CATALOG NUMBER: LXF.LXT-PA1-70-730-U-SL3-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	289.1	289.1	289.1	289.1	289.1	289.1	289.1	289.1	289.1	289.1	289.1
2.5°	290.8	287.5	282.5	277.5	272.5	269.1	265.8	264.1	261.6	259.1	259.1
5°	300.8	294.1	282.5	270.8	260.0	250.8	241.6	236.6	233.3	230.0	230.8
7.5°	319.1	309.1	290.0	270.8	253.3	238.3	225.8	215.8	209.1	205.0	205.8
10°	345.0	334.1	305.0	277.5	252.5	230.8	213.3	199.1	190.8	186.6	186.6
12.5°	385.8	367.5	329.1	290.0	256.6	227.5	205.0	188.3	176.7	171.7	170.8
15°	435.0	409.1	362.5	314.1	266.6	227.5	198.3	186.6	179.2	175.8	175.0
17.5°	493.3	465.0	400.8	336.6	280.0	232.5	207.5	193.3	185.0	181.6	180.8
20°	556.6	523.3	442.5	365.0	293.3	247.5	216.6	199.1	190.0	186.6	186.6
22.5°	634.1	589.9	487.5	390.0	310.0	260.0	225.8	204.1	195.8	192.5	191.6
25°	714.1	664.1	540.8	416.6	328.3	270.0	232.5	209.1	200.8	197.5	198.3
27.5°	808.3	744.1	593.3	443.3	344.1	275.8	235.8	213.3	205.0	202.5	203.3
30°	906.6	825.8	639.9	470.8	355.0	280.0	238.3	216.6	207.5	205.8	205.8
32.5°	1010.7	919.1	688.3	495.0	361.6	280.8	238.3	218.3	209.1	208.3	209.1
35°	1117.4	1009.1	734.9	514.1	365.0	280.0	237.5	220.0	209.1	209.1	209.1
37.5°	1235.7	1097.4	774.1	527.5	365.8	277.5	236.6	219.1	209.1	209.1	210.0
40°	1357.4	1191.6	817.4	538.3	365.0	275.8	235.8	219.1	209.1	209.1	210.0
42.5°	1478.2	1279.0	858.3	544.9	363.3	274.1	235.0	219.1	209.1	207.5	208.3
45°	1609.0	1380.7	897.4	549.1	361.6	273.3	235.0	218.3	209.1	205.8	206.6
47.5°	1730.7	1474.9	929.1	554.1	360.8	273.3	235.8	218.3	208.3	205.0	205.0
50°	1868.2	1572.4	961.6	555.8	359.1	273.3	235.8	218.3	207.5	202.5	203.3
52.5°	2004.0	1670.7	993.2	559.1	359.1	274.1	236.6	218.3	206.6	200.0	200.0
55°	2134.0	1758.2	1021.6	561.6	359.1	275.8	239.1	218.3	205.8	197.5	197.5
57.5°	2253.1	1848.2	1049.9	562.4	359.1	277.5	239.1	219.1	205.0	195.0	195.0
60°	2358.9	1925.7	1069.9	563.3	358.3	279.1	240.8	218.3	204.1	192.5	192.5
62.5°	2433.9	1984.8	1079.9	560.8	358.3	279.1	241.6	218.3	203.3	191.6	190.8
65°	2476.4	2005.6	1074.1	553.3	356.6	279.1	240.8	217.5	201.6	190.0	189.1
67.5°	2462.3	1983.2	1049.1	541.6	352.5	278.3	240.8	215.8	201.6	189.1	187.5
70°	2385.6	1915.7	1001.6	524.1	346.6	275.0	237.5	213.3	200.0	188.3	186.6
72.5°	2235.6	1779.8	932.4	496.6	336.6	270.0	233.3	209.1	196.6	185.8	183.3
75°	2027.3	1618.2	848.3	468.3	324.1	263.3	228.3	205.0	192.5	182.5	180.0
77.5°	1759.8	1402.4	754.9	431.6	308.3	254.1	221.6	198.3	186.6	177.5	174.2
80°	1482.4	1181.6	654.1	393.3	291.6	242.5	211.6	190.0	179.2	170.8	166.7
82.5°	1199.9	970.7	559.9	356.6	272.5	229.1	201.6	180.8	170.8	161.7	157.5
85°	946.6	767.4	469.1	318.3	252.5	215.8	190.0	170.0	160.8	150.8	146.7
87.5°	736.6	609.1	392.5	283.3	230.8	200.8	177.5	159.2	148.3	139.2	135.8
90°	574.1	480.0	328.3	250.0	211.6	185.8	164.2	147.5	136.7	127.5	123.3
92.5°	437.5	380.0	275.0	220.8	192.5	170.8	151.7	135.8	125.0	115.0	110.8
95°	342.5	301.6	232.5	194.1	173.3	155.0	139.2	124.2	112.5	101.7	99.2
97.5°	265.8	241.6	195.8	170.0	156.7	140.0	125.8	112.5	100.8	90.0	87.5
100°	210.0	192.5	165.8	150.8	139.2	125.8	113.3	101.7	89.2	77.5	76.7
102.5°	165.8	158.3	140.8	132.5	123.3	113.3	102.5	90.0	77.5	66.7	65.8
105°	135.8	129.2	120.8	115.8	110.0	100.8	90.8	80.0	67.5	57.5	57.5
107.5°	110.0	106.7	102.5	101.7	97.5	90.0	81.7	70.8	58.3	50.0	50.0
110°	90.0	89.2	89.2	89.2	86.7	80.8	72.5	61.7	49.2	43.3	43.3



REPORT NUMBER: P416277

CATALOG NUMBER: LXF.LXT-PA1-70-730-U-SL3-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	75.8	75.8	76.7	78.3	76.7	70.8	63.3	53.3	42.5	37.5	37.5
115°	64.2	65.0	67.5	68.3	67.5	63.3	55.8	45.8	35.8	32.5	33.3
117.5°	55.8	55.8	59.2	60.8	60.0	55.8	48.3	39.2	30.8	29.2	29.2
120°	48.3	50.0	52.5	53.3	52.5	48.3	42.5	33.3	26.7	25.8	25.8
122.5°	42.5	43.3	45.8	47.5	45.8	42.5	35.8	28.3	22.5	22.5	23.3
125°	37.5	38.3	40.0	41.7	40.0	35.8	30.8	23.3	20.0	20.0	20.0
127.5°	33.3	34.2	35.8	35.8	34.2	30.8	25.8	20.0	16.7	17.5	17.5
130°	29.2	30.0	30.8	30.8	30.0	26.7	21.7	16.7	15.0	15.8	15.8
132.5°	25.8	26.7	26.7	26.7	25.0	22.5	18.3	14.2	13.3	14.2	14.2
135°	22.5	22.5	23.3	22.5	20.8	18.3	14.2	11.7	11.7	12.5	12.5
137.5°	19.2	20.0	20.0	18.3	16.7	14.2	11.7	10.0	10.0	10.8	10.8
140°	15.8	16.7	15.8	15.0	13.3	11.7	9.2	7.5	8.3	9.2	9.2
142.5°	13.3	13.3	13.3	11.7	10.0	8.3	6.7	6.7	7.5	7.5	8.3
145°	10.0	10.0	10.0	9.2	7.5	5.8	5.0	5.0	5.8	6.7	6.7
147.5°	7.5	7.5	7.5	6.7	5.0	4.2	3.3	4.2	5.0	5.8	5.0
150°	5.0	5.0	5.0	4.2	3.3	2.5	2.5	3.3	4.2	4.2	4.2
152.5°	3.3	3.3	3.3	3.3	2.5	0.8	1.7	2.5	3.3	3.3	3.3
155°	2.5	2.5	2.5	2.5	1.7	0.0	0.8	1.7	2.5	2.5	2.5
157.5°	1.7	1.7	1.7	1.7	0.8	0.0	0.0	1.7	1.7	1.7	1.7
160°	0.8	1.7	1.7	0.8	0.8	0.0	0.0	0.8	0.8	0.8	0.8
162.5°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.8	0.8	0.8	0.0
165°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.8	0.8	0.0	0.0
167.5°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.8	0.8	0.0	0.0
170°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.8	0.8	0.0	0.0
172.5°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.8	0.8	0.0	0.0
175°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.8	0.8	0.0	0.0
177.5°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.8	0.8	0.0	0.0
180°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8

(END OF REPORT)