

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: P416308

Luminaire Tested: **LXF.LXT-PA1-70-730-U-T3-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416308
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-22)
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-T3-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7252 lumens
Efficiency: N/A
Efficacy: 98.0 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

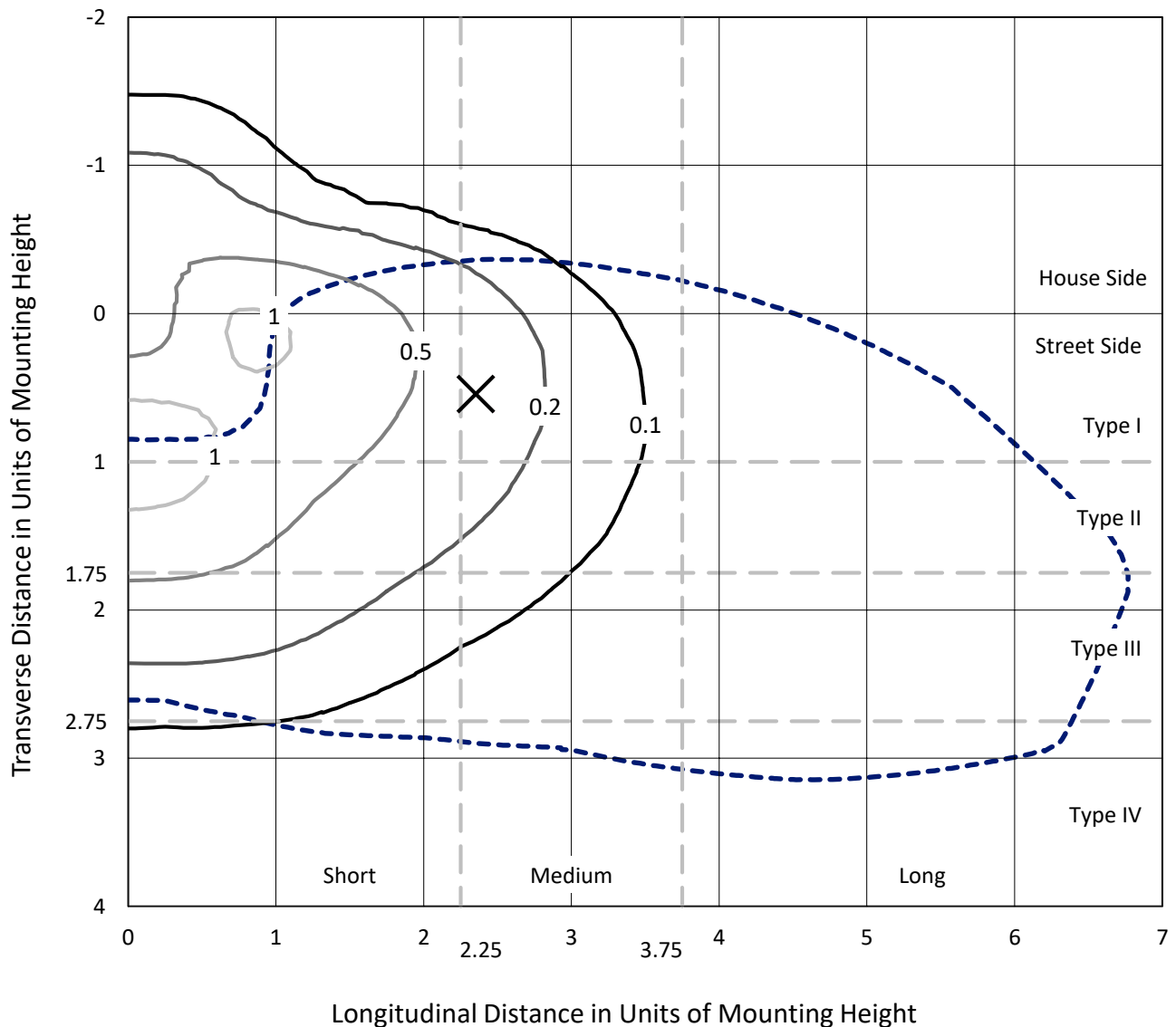
Input Watts (W): 74
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P416308
 CATALOG NUMBER: LXF.LXT-PA1-70-730-U-T3-TL

Iso-Footcandle Lines of Horizontal Illumination

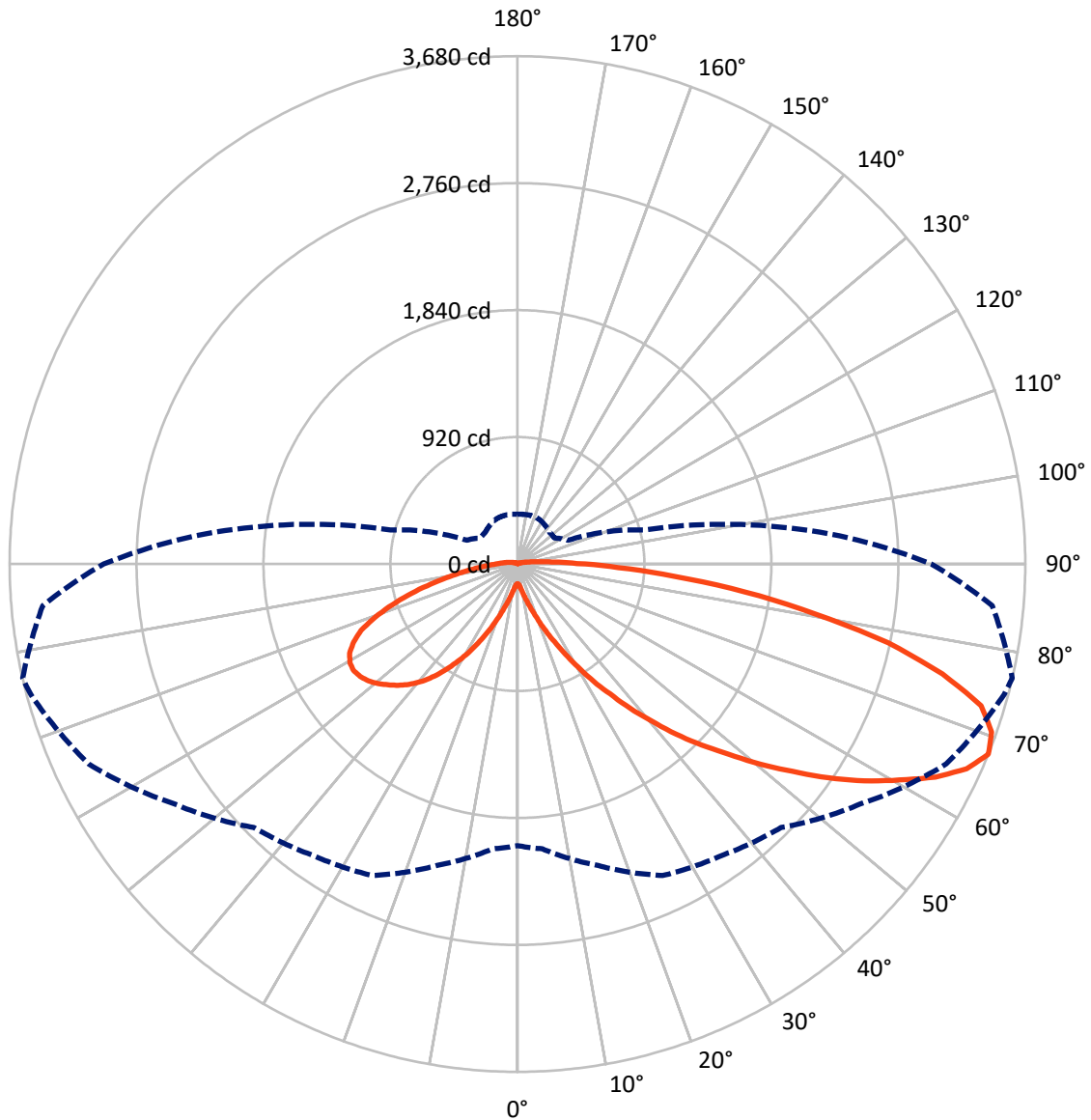
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P416308
CATALOG NUMBER: LXF.LXT-PA1-70-730-U-T3-TL

Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P416308

CATALOG NUMBER: LXF.LXT-PA1-70-730-U-T3-TL

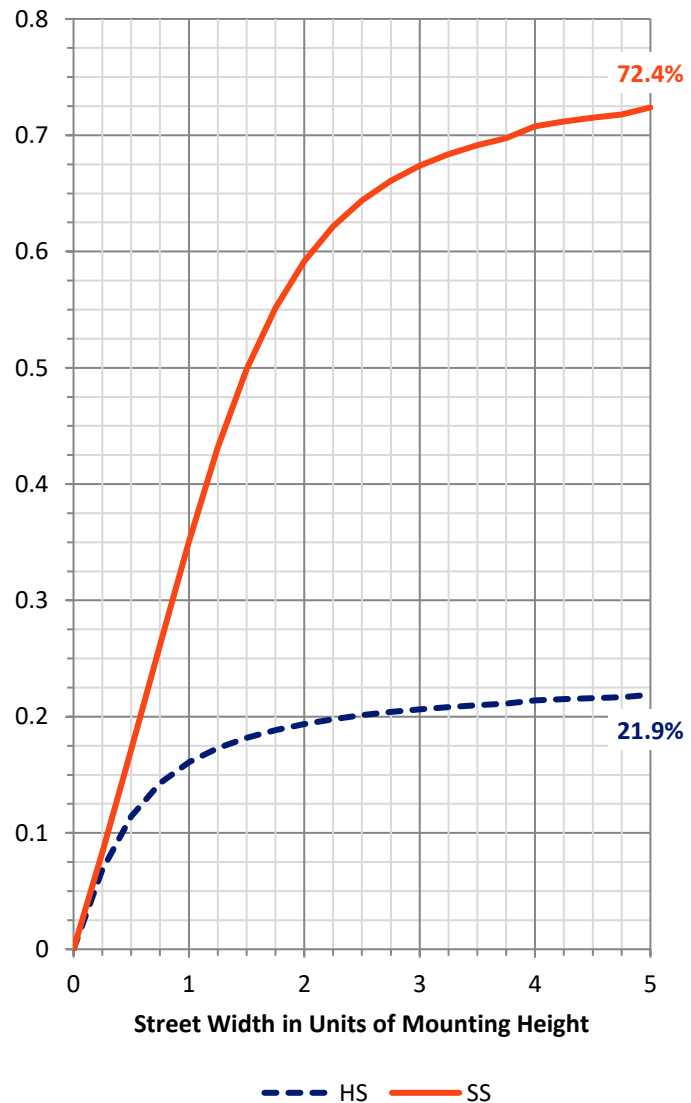
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1654.5	108.9	1763.4
	% Fixture	22.8	1.5	24.3
Street Side	Lumens	5367.2	121.4	5488.6
	% Fixture	74.0	1.7	75.7
Total	Lumens	7021.7	230.3	7252.0
	% Fixture	96.8	3.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.5	0.2
10°-20°	84.1	1.2
20°-30°	251.3	3.5
30°-40°	556.6	7.7
40°-50°	996.7	13.7
50°-60°	1492.8	20.6
60°-70°	1759.6	24.3
70°-80°	1343.4	18.5
80°-90°	520.8	7.2
90°-100°	132.7	1.8
100°-110°	50.2	0.7
110°-120°	23.6	0.3
120°-130°	12.6	0.2
130°-140°	7.0	0.1
140°-150°	3.1	0.0
150°-160°	1.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7021.7	96.8
0°-180°	7252.0	100.0



REPORT NUMBER: P416308

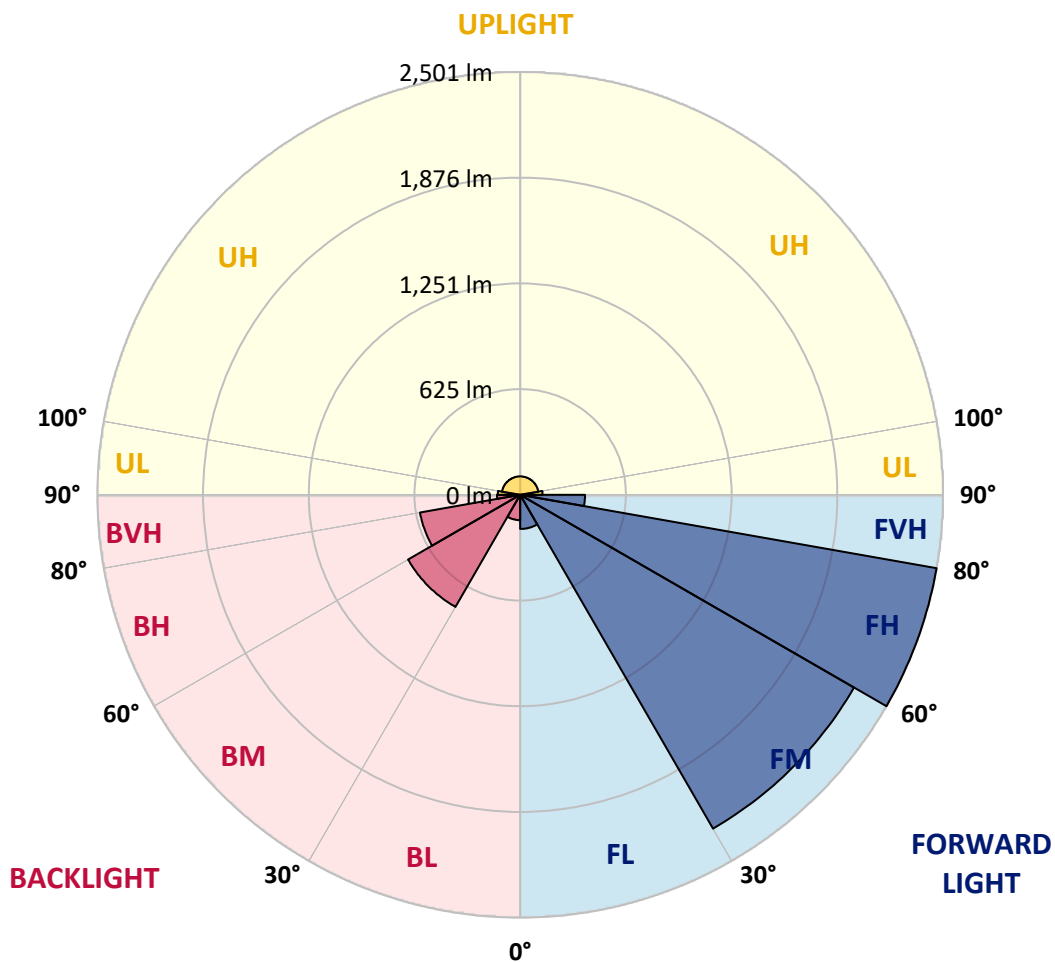
CATALOG NUMBER: LXF.LXT-PA1-70-730-U-T3-TL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	202.2	2.8			
FM	(30°-60°)	2280.2	31.4			
FH	(60°-80°)	2501.3	34.5			G2/5000
FVH	(80°-90°)	383.6	5.3			G3/500
BL	(0°-30°)	149.8	2.1	B1/500		
BM	(30°-60°)	765.8	10.6	B1/1000		
BH	(60°-80°)	601.6	8.3	B2/1000		G2/1000
BVH	(80°-90°)	137.2	1.9			G2/225
UL	(90°-100°)	132.7	1.8		U3/500	
UH	(100°-180°)	108.9	1.5		U3/500	

BUG Rating: B2-U3-G3

Type IV Medium





REPORT NUMBER: P416308

CATALOG NUMBER: LXF.LXT-PA1-70-730-U-T3-TL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	142.5	142.5	142.5	142.5	142.5	142.5	142.5	142.5	142.5	142.5	142.5
2.5°	150.8	150.0	150.8	150.8	151.6	150.0	148.3	147.5	146.6	146.6	145.8
5°	166.6	165.0	165.8	166.6	165.8	164.1	161.6	160.8	159.1	159.1	157.5
7.5°	189.1	189.1	188.3	186.6	188.3	185.8	184.1	183.3	180.8	180.0	179.1
10°	223.3	221.6	220.8	219.1	217.5	216.6	213.3	213.3	209.1	210.8	208.3
12.5°	267.4	264.1	264.9	261.6	256.6	253.3	251.6	250.8	250.8	250.8	249.9
15°	320.8	318.3	317.4	309.9	304.9	300.8	297.4	298.3	302.4	303.3	299.9
17.5°	381.6	385.7	378.3	371.6	364.1	355.8	355.8	355.8	359.1	361.6	359.9
20°	466.6	458.2	449.9	439.1	426.6	419.9	416.6	426.6	432.4	436.6	434.9
22.5°	559.9	551.5	542.4	524.9	507.4	494.9	494.9	507.4	520.7	525.7	527.4
25°	665.7	670.7	648.2	621.5	589.9	579.0	580.7	599.0	619.0	623.2	633.2
27.5°	796.5	796.5	777.3	734.8	693.2	671.5	673.2	703.2	733.2	739.0	746.5
30°	955.6	949.8	924.0	867.3	812.3	771.5	779.0	815.7	863.1	868.1	877.3
32.5°	1133.1	1132.3	1082.3	1012.3	933.1	884.8	888.1	941.5	1000.6	1014.8	1024.8
35°	1329.7	1334.7	1269.7	1168.1	1076.4	1011.4	1022.3	1083.1	1152.2	1155.6	1168.1
37.5°	1554.7	1552.2	1474.7	1363.9	1227.2	1158.1	1149.7	1232.2	1304.7	1326.4	1319.7
40°	1803.8	1777.1	1702.1	1564.7	1396.4	1303.9	1305.5	1390.5	1488.8	1495.5	1493.8
42.5°	2049.6	2037.9	1947.1	1761.3	1581.3	1472.2	1476.3	1558.0	1659.6	1685.5	1667.1
45°	2314.5	2285.3	2187.0	1995.4	1776.3	1658.0	1647.1	1738.8	1850.4	1870.4	1852.9
47.5°	2528.6	2510.3	2423.6	2219.5	1985.4	1833.8	1817.1	1929.6	2057.0	2058.7	2032.9
50°	2706.1	2696.9	2628.6	2447.8	2187.9	2030.4	2012.9	2124.5	2257.8	2279.5	2242.0
52.5°	2859.4	2844.4	2810.2	2631.9	2372.0	2198.7	2196.2	2318.7	2485.3	2495.3	2459.5
55°	2908.5	2917.7	2912.7	2786.9	2552.8	2365.3	2386.1	2551.1	2700.2	2735.2	2667.7
57.5°	2901.0	2901.0	2948.5	2891.0	2673.6	2516.1	2561.1	2760.2	2954.4	2965.2	2884.4
60°	2787.7	2790.2	2904.4	2920.2	2760.2	2645.3	2751.1	2972.7	3171.8	3178.5	3102.7
62.5°	2624.4	2618.6	2786.1	2866.0	2771.1	2721.9	2886.9	3158.5	3376.8	3399.3	3285.1
65°	2369.5	2380.3	2561.1	2720.2	2714.4	2751.1	2992.7	3325.9	3543.4	3575.9	3410.9
67.5°	2040.4	2072.0	2262.0	2490.3	2578.6	2700.2	3031.8	3428.4	3651.7	3680.0	3453.4
70°	1690.5	1683.0	1888.8	2175.4	2347.8	2570.3	2988.5	3432.6	3654.2	3645.0	3362.6
72.5°	1282.2	1313.9	1498.8	1790.4	2046.2	2323.7	2847.7	3325.9	3514.2	3512.6	3122.6
75°	911.5	930.6	1093.9	1385.5	1690.5	2035.4	2566.9	3093.5	3231.8	3181.8	2775.2
77.5°	601.5	619.0	759.8	1025.6	1308.0	1673.0	2189.5	2687.7	2797.7	2746.1	2332.0
80°	374.1	382.4	489.1	699.8	950.6	1296.4	1772.9	2197.9	2241.2	2188.7	1795.4
82.5°	222.5	229.1	305.8	449.1	677.4	944.0	1336.4	1684.6	1698.8	1663.0	1294.7
85°	136.6	145.8	195.0	299.9	451.6	665.7	931.5	1170.6	1180.6	1138.9	855.6
87.5°	89.1	94.1	132.5	195.0	304.1	445.7	624.0	779.0	756.5	730.7	540.7
90°	60.8	64.2	90.8	134.1	205.8	294.9	394.9	487.4	451.6	431.6	328.3
92.5°	42.5	45.8	66.7	96.6	142.5	197.5	256.6	291.6	276.6	267.4	206.6
95°	33.3	35.0	50.8	75.0	105.8	140.0	170.0	180.8	171.6	165.0	139.1
97.5°	26.7	28.3	42.5	60.8	82.5	104.1	118.3	121.6	112.5	109.1	96.6
100°	22.5	24.2	35.8	50.8	67.5	82.5	88.3	87.5	80.0	78.3	70.0
102.5°	20.0	20.8	31.7	44.2	57.5	66.7	70.0	65.8	58.3	57.5	52.5
105°	17.5	19.2	27.5	38.3	49.2	56.7	56.7	51.7	43.3	42.5	40.0
107.5°	16.7	16.7	24.2	33.3	42.5	47.5	47.5	41.7	34.2	32.5	30.8
110°	15.0	15.8	21.7	29.2	36.7	40.8	40.0	33.3	25.8	25.0	24.2



REPORT NUMBER: P416308

CATALOG NUMBER: LXF.LXT-PA1-70-730-U-T3-TL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	14.2	14.2	19.2	25.8	31.7	35.0	33.3	27.5	20.8	20.0	19.2
115°	13.3	13.3	17.5	23.3	28.3	30.8	28.3	22.5	16.7	15.8	16.7
117.5°	12.5	13.3	15.8	20.8	25.0	26.7	24.2	19.2	14.2	13.3	14.2
120°	12.5	12.5	15.0	18.3	21.7	23.3	20.8	15.8	11.7	11.7	12.5
122.5°	12.5	12.5	14.2	16.7	19.2	20.0	17.5	13.3	10.8	10.8	11.7
125°	11.7	11.7	13.3	15.0	17.5	17.5	15.8	11.7	9.2	9.2	10.8
127.5°	11.7	11.7	12.5	14.2	15.8	15.8	13.3	10.0	8.3	9.2	10.0
130°	10.8	10.8	11.7	12.5	14.2	13.3	11.7	9.2	7.5	8.3	9.2
132.5°	10.8	10.8	10.8	11.7	12.5	11.7	10.0	7.5	7.5	7.5	8.3
135°	10.0	10.0	10.8	10.8	10.8	10.0	8.3	6.7	6.7	6.7	7.5
137.5°	10.0	10.0	10.0	10.0	10.0	9.2	7.5	5.8	5.8	5.8	6.7
140°	9.2	9.2	9.2	8.3	8.3	7.5	5.8	5.0	5.0	5.0	5.8
142.5°	8.3	8.3	8.3	7.5	7.5	5.8	5.0	4.2	4.2	5.0	5.0
145°	7.5	7.5	7.5	6.7	5.8	5.0	3.3	3.3	4.2	4.2	5.0
147.5°	5.8	5.8	5.8	5.8	4.2	4.2	2.5	3.3	3.3	4.2	4.2
150°	5.0	5.0	5.0	5.0	3.3	2.5	1.7	2.5	3.3	3.3	3.3
152.5°	4.2	4.2	4.2	4.2	2.5	1.7	1.7	2.5	2.5	2.5	3.3
155°	2.5	2.5	3.3	2.5	1.7	0.8	1.7	1.7	2.5	2.5	2.5
157.5°	1.7	1.7	1.7	1.7	0.8	0.8	0.8	1.7	1.7	1.7	2.5
160°	0.8	0.8	1.7	1.7	1.7	0.8	0.8	0.8	1.7	1.7	1.7
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



REPORT NUMBER: P416308

CATALOG NUMBER: LXF.LXT-PA1-70-730-U-T3-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	142.5	142.5	142.5	142.5	142.5	142.5	142.5	142.5	142.5	142.5	142.5
2.5°	145.0	145.8	145.0	144.1	144.1	143.3	143.3	143.3	143.3	142.5	142.5
5°	158.3	157.5	156.6	155.0	153.3	151.6	151.6	150.8	150.0	149.1	149.1
7.5°	176.6	176.6	175.0	172.5	170.0	168.3	166.6	165.8	163.3	163.3	162.5
10°	205.0	205.0	200.0	197.5	193.3	189.1	187.5	185.0	183.3	182.5	181.6
12.5°	245.8	243.3	238.3	229.9	221.6	215.0	210.8	209.1	210.0	210.0	210.8
15°	298.3	293.3	285.8	269.9	254.9	244.9	242.4	242.4	243.3	243.3	244.1
17.5°	360.8	353.3	336.6	316.6	294.9	281.6	275.8	275.8	277.4	279.9	282.4
20°	436.6	429.9	404.1	369.1	336.6	319.1	309.1	308.3	311.6	319.1	317.4
22.5°	522.4	514.9	476.6	425.7	380.7	352.4	341.6	344.9	353.3	358.3	358.3
25°	625.7	613.2	555.7	481.6	424.1	384.1	369.9	374.9	387.4	393.2	395.7
27.5°	736.5	719.8	643.2	542.4	458.2	409.9	394.9	401.6	416.6	425.7	428.2
30°	868.1	839.0	734.8	599.0	489.1	428.2	412.4	424.9	441.6	452.4	454.9
32.5°	1006.4	961.5	814.0	647.4	511.6	440.7	424.9	439.9	458.2	470.7	471.6
35°	1144.7	1093.1	901.5	686.5	523.2	446.6	429.9	447.4	467.4	477.4	479.9
37.5°	1294.7	1223.1	977.3	711.5	528.2	445.7	429.9	447.4	466.6	474.9	476.6
40°	1438.9	1350.5	1044.8	726.5	526.6	439.1	424.1	442.4	459.1	464.9	464.1
42.5°	1600.5	1473.8	1098.9	727.3	514.9	429.1	416.6	432.4	444.1	443.2	444.1
45°	1754.6	1604.6	1138.9	721.5	499.1	416.6	406.6	420.7	424.9	420.7	419.9
47.5°	1923.7	1734.6	1170.6	706.5	479.9	404.9	395.7	406.6	407.4	398.2	396.6
50°	2102.9	1864.6	1199.7	679.0	457.4	391.6	385.7	394.9	393.2	378.3	375.8
52.5°	2277.8	1996.2	1218.1	645.7	434.9	379.9	377.4	386.6	381.6	364.1	360.8
55°	2464.5	2117.9	1221.4	612.4	413.2	369.9	369.9	379.9	374.1	355.8	353.3
57.5°	2646.9	2245.3	1208.9	569.0	392.4	359.1	364.1	375.8	371.6	353.3	351.6
60°	2817.7	2341.2	1174.7	528.2	373.3	351.6	359.9	373.3	369.9	354.9	353.3
62.5°	2950.2	2404.5	1120.6	488.2	356.6	344.1	355.8	369.1	369.9	357.4	358.3
65°	3011.8	2404.5	1042.3	448.2	341.6	336.6	351.6	366.6	368.3	360.8	360.8
67.5°	2998.5	2342.8	954.0	406.6	327.4	327.4	345.8	361.6	364.9	361.6	361.6
70°	2857.7	2176.2	833.2	373.3	313.3	316.6	336.6	353.3	358.3	359.1	358.3
72.5°	2628.6	1925.4	708.2	338.3	298.3	305.8	324.9	341.6	348.3	349.9	349.1
75°	2274.5	1634.6	585.7	309.1	282.4	291.6	311.6	325.8	333.3	336.6	334.9
77.5°	1827.9	1297.2	479.9	279.9	264.1	274.1	293.3	304.9	314.1	318.3	314.9
80°	1393.0	965.6	381.6	250.8	241.6	252.4	269.1	281.6	289.9	291.6	289.1
82.5°	989.0	684.8	305.8	223.3	217.5	226.6	241.6	249.9	259.9	259.1	254.1
85°	648.2	464.9	239.9	194.1	191.6	197.5	209.1	214.1	224.1	224.1	218.3
87.5°	421.6	308.3	189.1	163.3	165.8	170.8	176.6	180.8	185.0	185.8	180.8
90°	269.1	210.8	150.8	139.1	141.6	145.8	145.8	145.0	151.6	153.3	149.1
92.5°	176.6	150.0	125.0	118.3	120.0	120.8	120.8	117.5	123.3	124.1	120.8
95°	124.1	112.5	103.3	101.6	101.6	101.6	100.0	95.8	100.8	100.8	99.1
97.5°	93.3	87.5	86.6	86.6	86.6	85.8	83.3	81.6	83.3	83.3	82.5
100°	70.0	69.2	71.7	73.3	74.2	73.3	71.7	69.2	69.2	65.8	66.7
102.5°	53.3	55.0	60.0	62.5	62.5	62.5	61.7	58.3	56.7	53.3	52.5
105°	41.7	43.3	49.2	52.5	53.3	54.2	52.5	49.2	45.8	42.5	41.7
107.5°	32.5	35.0	40.0	44.2	45.8	45.8	45.0	41.7	37.5	33.3	33.3
110°	26.7	28.3	33.3	37.5	39.2	39.2	38.3	34.2	30.0	26.7	26.7



REPORT NUMBER: P416308

CATALOG NUMBER: LXF.LXT-PA1-70-730-U-T3-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	21.7	23.3	28.3	31.7	33.3	34.2	32.5	29.2	25.0	21.7	21.7
115°	18.3	20.0	24.2	26.7	28.3	28.3	27.5	24.2	20.8	18.3	18.3
117.5°	15.8	17.5	20.8	23.3	24.2	25.0	23.3	20.8	17.5	15.8	15.8
120°	14.2	15.0	18.3	20.0	20.8	20.8	20.0	17.5	15.0	14.2	14.2
122.5°	12.5	14.2	15.8	17.5	18.3	18.3	17.5	15.0	13.3	12.5	13.3
125°	11.7	12.5	14.2	15.8	15.8	15.8	15.0	13.3	11.7	11.7	11.7
127.5°	10.8	11.7	12.5	13.3	14.2	14.2	13.3	11.7	10.8	10.8	10.8
130°	10.0	10.8	11.7	11.7	12.5	12.5	11.7	10.0	10.0	10.0	10.0
132.5°	9.2	10.0	10.0	10.8	10.8	10.8	10.0	9.2	9.2	9.2	9.2
135°	8.3	8.3	9.2	9.2	9.2	9.2	8.3	8.3	8.3	8.3	8.3
137.5°	7.5	7.5	8.3	7.5	8.3	7.5	7.5	6.7	7.5	7.5	7.5
140°	6.7	6.7	6.7	6.7	6.7	6.7	5.8	5.8	6.7	6.7	6.7
142.5°	5.8	5.8	5.8	5.0	5.0	5.0	5.0	5.0	5.8	5.8	5.8
145°	5.0	5.0	5.0	4.2	4.2	3.3	4.2	4.2	5.0	5.0	5.0
147.5°	4.2	4.2	4.2	4.2	3.3	2.5	2.5	3.3	4.2	4.2	4.2
150°	3.3	4.2	4.2	3.3	2.5	1.7	1.7	2.5	3.3	3.3	3.3
152.5°	3.3	3.3	3.3	2.5	1.7	0.8	0.8	1.7	2.5	2.5	2.5
155°	2.5	2.5	2.5	2.5	1.7	0.8	0.0	1.7	1.7	1.7	1.7
157.5°	2.5	2.5	2.5	1.7	0.8	0.0	0.0	0.8	1.7	0.8	0.8
160°	1.7	1.7	1.7	1.7	0.8	0.8	0.0	0.8	0.8	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)