

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: P416256

Luminaire Tested: **LXF.LXT-PA1-70-727-U-T3-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416256
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-PA1-70-727-U-T3-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 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: 6660 lumens
Efficiency: N/A
Efficacy: 90.0 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

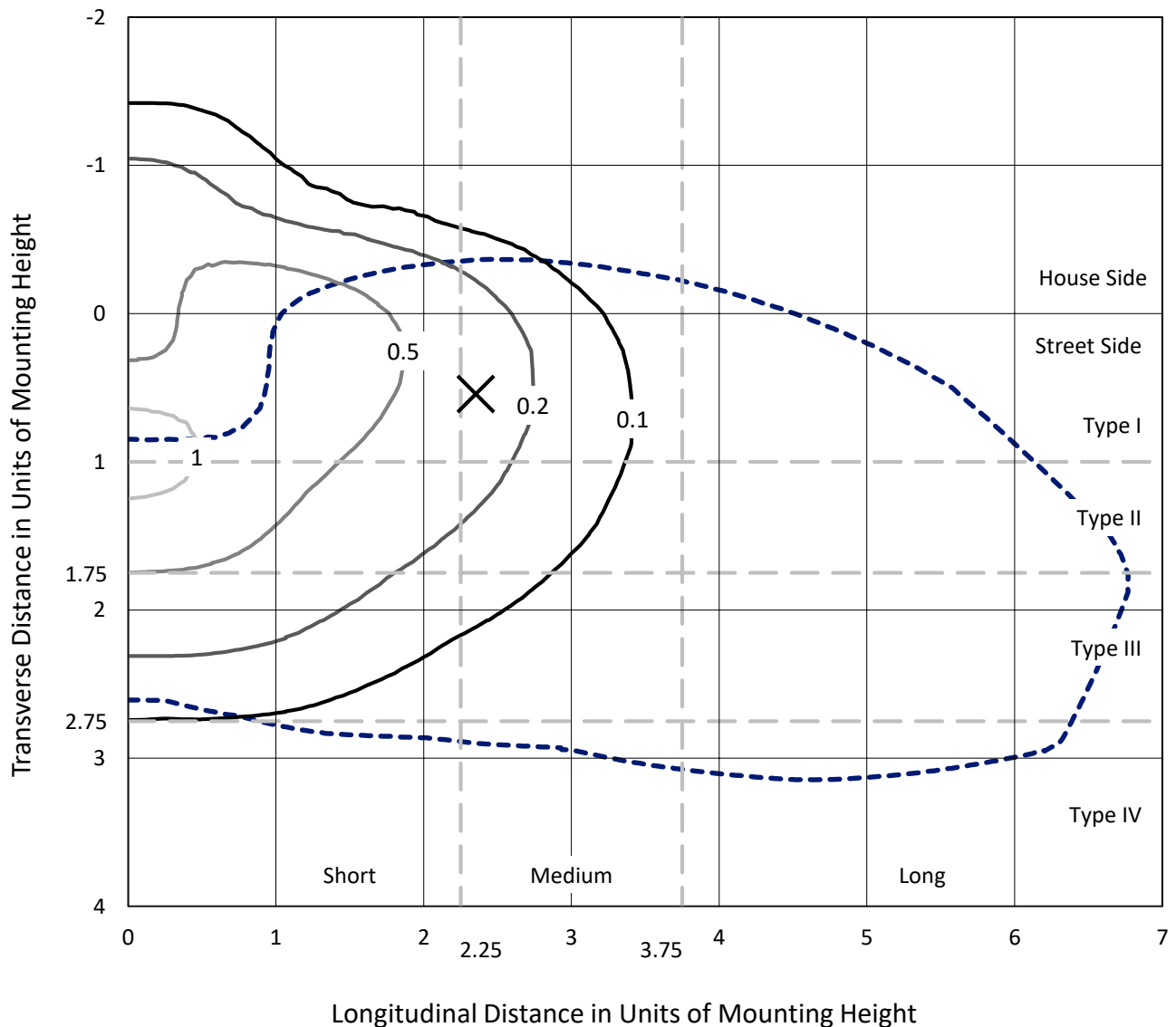
Input Watts (W): 74
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P416256
 CATALOG NUMBER: LXF.LXT-PA1-70-727-U-T3-TL

Iso-Footcandle Lines of Horizontal Illumination

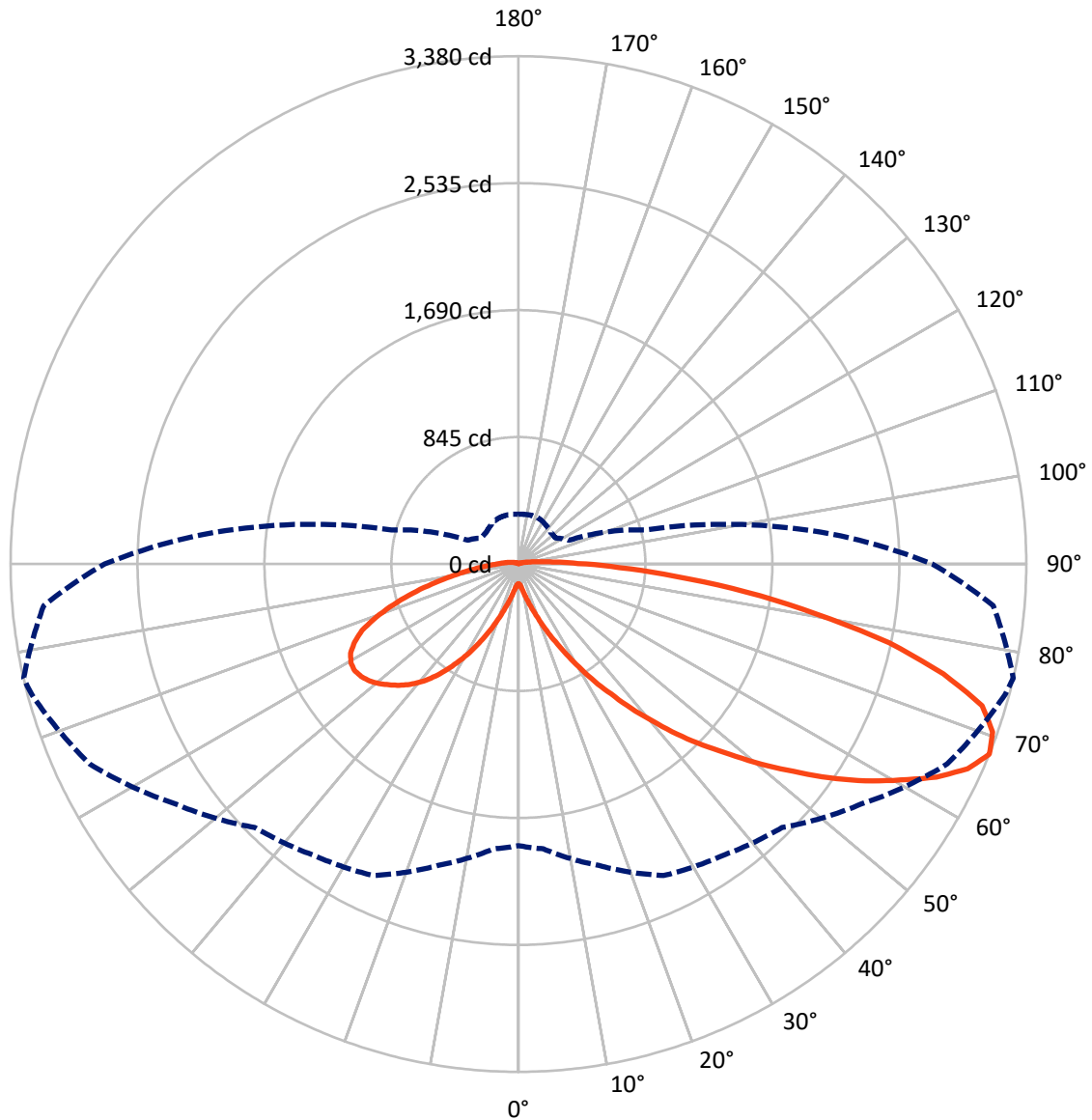
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P416256
CATALOG NUMBER: LXF.LXT-PA1-70-727-U-T3-TL

Luminous Intensity Polar Plot



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



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CATALOG NUMBER: LXF.LXT-PA1-70-727-U-T3-TL

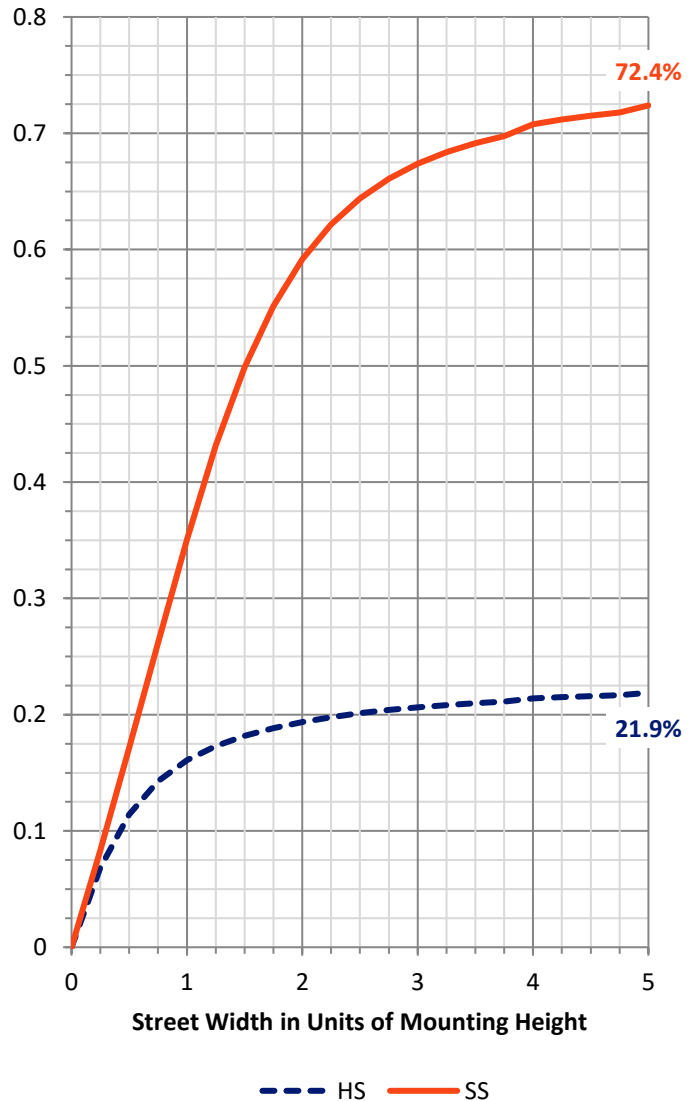
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1519.4	100.0	1619.5
	% Fixture	22.8	1.5	24.3
Street Side	Lumens	4929.1	111.4	5040.5
	% Fixture	74.0	1.7	75.7
Total	Lumens	6448.5	211.5	6660.0
	% Fixture	96.8	3.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.2	0.2
10°-20°	77.3	1.2
20°-30°	230.8	3.5
30°-40°	511.1	7.7
40°-50°	915.3	13.7
50°-60°	1370.9	20.6
60°-70°	1615.9	24.3
70°-80°	1233.7	18.5
80°-90°	478.2	7.2
90°-100°	121.9	1.8
100°-110°	46.1	0.7
110°-120°	21.7	0.3
120°-130°	11.6	0.2
130°-140°	6.4	0.1
140°-150°	2.9	0.0
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6448.5	96.8
0°-180°	6660.0	100.0



REPORT NUMBER: P416256

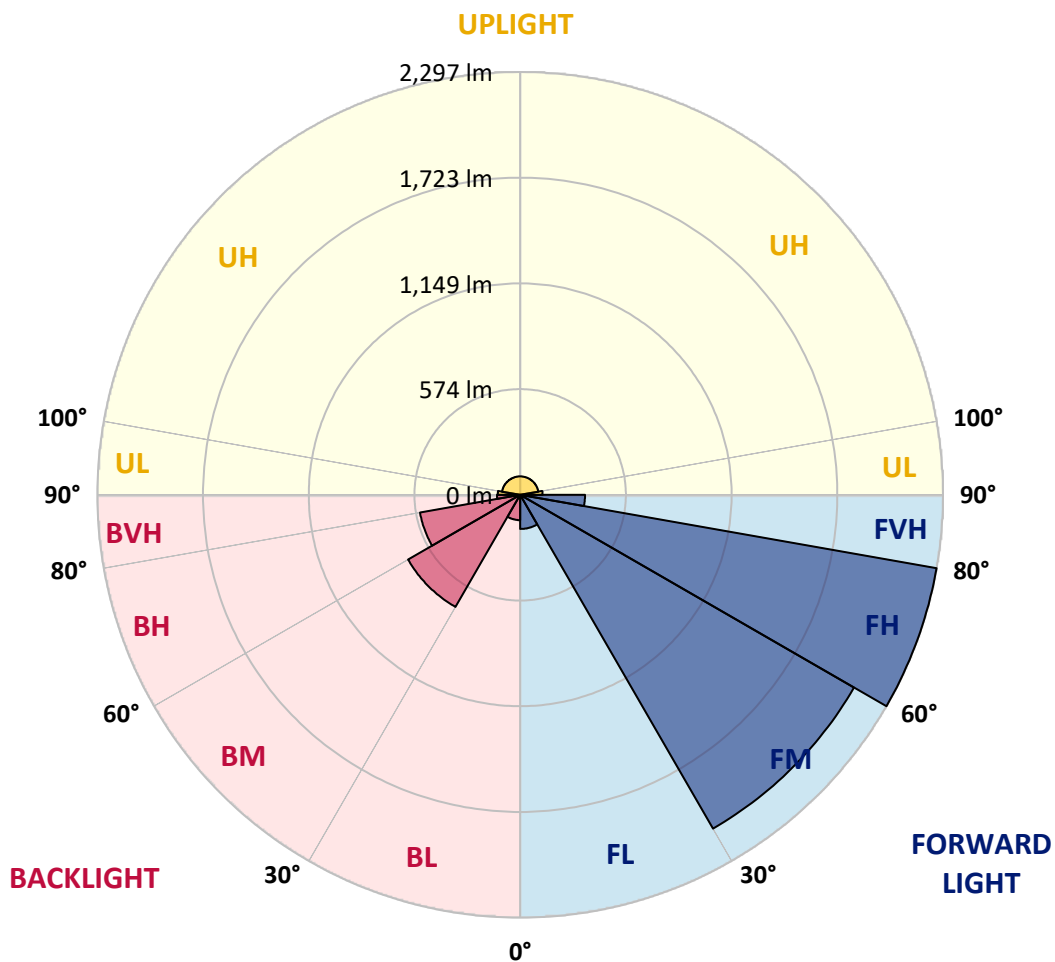
CATALOG NUMBER: LXF.LXT-PA1-70-727-U-T3-TL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	185.6	2.8			
FM	(30°-60°)	2094.1	31.4			
FH	(60°-80°)	2297.1	34.5			G2/5000
FVH	(80°-90°)	352.2	5.3			G3/500
BL	(0°-30°)	137.6	2.1	B1/500		
BM	(30°-60°)	703.3	10.6	B1/1000		
BH	(60°-80°)	552.5	8.3	B2/1000		G2/1000
BVH	(80°-90°)	126.0	1.9			G2/225
UL	(90°-100°)	121.9	1.8		U3/500	
UH	(100°-180°)	100.0	1.5		U3/500	

BUG Rating: B2-U3-G3

Type IV Medium





REPORT NUMBER: P416256

CATALOG NUMBER: LXF.LXT-PA1-70-727-U-T3-TL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	130.8	130.8	130.8	130.8	130.8	130.8	130.8	130.8	130.8	130.8	130.8
2.5°	138.5	137.7	138.5	138.5	139.3	137.7	136.2	135.4	134.7	134.7	133.9
5°	153.0	151.5	152.3	153.0	152.3	150.7	148.4	147.7	146.1	146.1	144.6
7.5°	173.7	173.7	172.9	171.4	172.9	170.6	169.1	168.3	166.0	165.3	164.5
10°	205.1	203.5	202.8	201.2	199.7	198.9	195.9	195.9	192.0	193.6	191.3
12.5°	245.6	242.5	243.3	240.3	235.7	232.6	231.1	230.3	230.3	230.3	229.5
15°	294.6	292.3	291.5	284.6	280.0	276.2	273.2	273.9	277.7	278.5	275.4
17.5°	350.4	354.3	347.4	341.3	334.4	326.7	326.7	326.7	329.8	332.1	330.5
20°	428.5	420.8	413.2	403.2	391.8	385.6	382.6	391.8	397.1	400.9	399.4
22.5°	514.2	506.5	498.1	482.0	466.0	454.5	454.5	466.0	478.2	482.8	484.3
25°	611.3	615.9	595.3	570.8	541.7	531.8	533.3	550.1	568.5	572.3	581.5
27.5°	731.5	731.5	713.9	674.9	636.6	616.7	618.2	645.8	673.3	678.7	685.6
30°	877.6	872.3	848.5	796.5	746.0	708.5	715.4	749.1	792.7	797.3	805.7
32.5°	1040.6	1039.8	993.9	929.6	857.0	812.6	815.6	864.6	918.9	931.9	941.1
35°	1221.2	1225.8	1166.1	1072.7	988.6	928.9	938.8	994.7	1058.2	1061.2	1072.7
37.5°	1427.7	1425.5	1354.3	1252.5	1127.0	1063.5	1055.9	1131.6	1198.2	1218.1	1212.0
40°	1656.5	1632.0	1563.2	1436.9	1282.4	1197.4	1199.0	1277.0	1367.3	1373.4	1371.9
42.5°	1882.2	1871.5	1788.1	1617.5	1452.2	1352.0	1355.8	1430.8	1524.2	1547.9	1531.0
45°	2125.6	2098.8	2008.5	1832.5	1631.3	1522.6	1512.7	1596.8	1699.4	1717.7	1701.7
47.5°	2322.2	2305.4	2225.8	2038.3	1823.3	1684.1	1668.8	1772.1	1889.1	1890.7	1866.9
50°	2485.2	2476.8	2414.0	2248.0	2009.3	1864.6	1848.6	1951.1	2073.5	2093.4	2059.0
52.5°	2626.0	2612.2	2580.8	2417.1	2178.3	2019.2	2016.9	2129.4	2282.4	2291.6	2258.7
55°	2671.1	2679.5	2674.9	2559.4	2344.4	2172.2	2191.4	2342.9	2479.8	2511.9	2450.0
57.5°	2664.2	2664.2	2707.8	2655.0	2455.3	2310.7	2352.0	2534.9	2713.2	2723.1	2648.9
60°	2560.2	2562.4	2667.3	2681.8	2534.9	2429.3	2526.5	2730.0	2912.9	2919.0	2849.4
62.5°	2410.2	2404.8	2558.6	2632.1	2544.9	2499.7	2651.2	2900.6	3101.1	3121.8	3016.9
65°	2176.1	2186.0	2352.0	2498.2	2492.8	2526.5	2748.4	3054.4	3254.1	3284.0	3132.5
67.5°	1873.8	1902.9	2077.4	2287.0	2368.1	2479.8	2784.3	3148.5	3353.6	3379.6	3171.5
70°	1552.5	1545.6	1734.6	1997.8	2156.2	2360.5	2744.6	3152.4	3355.9	3347.5	3088.1
72.5°	1177.5	1206.6	1376.5	1644.3	1879.2	2134.0	2615.2	3054.4	3227.4	3225.8	2867.7
75°	837.1	854.7	1004.6	1272.4	1552.5	1869.2	2357.4	2841.0	2968.0	2922.1	2548.7
77.5°	552.4	568.5	697.8	941.9	1201.3	1536.4	2010.8	2468.3	2569.3	2521.9	2141.6
80°	343.5	351.2	449.1	642.7	873.0	1190.6	1628.2	2018.4	2058.2	2010.0	1648.9
82.5°	204.3	210.4	280.8	412.4	622.1	866.9	1227.3	1547.1	1560.1	1527.2	1189.0
85°	125.5	133.9	179.0	275.4	414.7	611.3	855.4	1075.0	1084.2	1045.9	785.8
87.5°	81.9	86.5	121.7	179.0	279.3	409.3	573.1	715.4	694.7	671.0	496.6
90°	55.9	58.9	83.4	123.2	189.0	270.9	362.7	447.6	414.7	396.3	301.5
92.5°	39.0	42.1	61.2	88.8	130.8	181.3	235.7	267.8	254.0	245.6	189.8
95°	30.6	32.1	46.7	68.9	97.2	128.5	156.1	166.0	157.6	151.5	127.8
97.5°	24.5	26.0	39.0	55.9	75.7	95.6	108.6	111.7	103.3	100.2	88.8
100°	20.7	22.2	32.9	46.7	62.0	75.7	81.1	80.3	73.5	71.9	64.3
102.5°	18.4	19.1	29.1	40.6	52.8	61.2	64.3	60.4	53.6	52.8	48.2
105°	16.1	17.6	25.2	35.2	45.1	52.0	52.0	47.4	39.8	39.0	36.7
107.5°	15.3	15.3	22.2	30.6	39.0	43.6	43.6	38.3	31.4	29.8	28.3
110°	13.8	14.5	19.9	26.8	33.7	37.5	36.7	30.6	23.7	23.0	22.2



REPORT NUMBER: P416256

CATALOG NUMBER: LXF.LXT-PA1-70-727-U-T3-TL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	13.0	13.0	17.6	23.7	29.1	32.1	30.6	25.2	19.1	18.4	17.6
115°	12.2	12.2	16.1	21.4	26.0	28.3	26.0	20.7	15.3	14.5	15.3
117.5°	11.5	12.2	14.5	19.1	23.0	24.5	22.2	17.6	13.0	12.2	13.0
120°	11.5	11.5	13.8	16.8	19.9	21.4	19.1	14.5	10.7	10.7	11.5
122.5°	11.5	11.5	13.0	15.3	17.6	18.4	16.1	12.2	9.9	9.9	10.7
125°	10.7	10.7	12.2	13.8	16.1	16.1	14.5	10.7	8.4	8.4	9.9
127.5°	10.7	10.7	11.5	13.0	14.5	14.5	12.2	9.2	7.7	8.4	9.2
130°	9.9	9.9	10.7	11.5	13.0	12.2	10.7	8.4	6.9	7.7	8.4
132.5°	9.9	9.9	9.9	10.7	11.5	10.7	9.2	6.9	6.9	6.9	7.7
135°	9.2	9.2	9.9	9.9	9.9	9.2	7.7	6.1	6.1	6.1	6.9
137.5°	9.2	9.2	9.2	9.2	9.2	8.4	6.9	5.4	5.4	5.4	6.1
140°	8.4	8.4	8.4	7.7	7.7	6.9	5.4	4.6	4.6	4.6	5.4
142.5°	7.7	7.7	7.7	6.9	6.9	5.4	4.6	3.8	3.8	4.6	4.6
145°	6.9	6.9	6.9	6.1	5.4	4.6	3.1	3.1	3.8	3.8	4.6
147.5°	5.4	5.4	5.4	5.4	3.8	3.8	2.3	3.1	3.1	3.8	3.8
150°	4.6	4.6	4.6	4.6	3.1	2.3	1.5	2.3	3.1	3.1	3.1
152.5°	3.8	3.8	3.8	3.8	2.3	1.5	1.5	2.3	2.3	2.3	3.1
155°	2.3	2.3	3.1	2.3	1.5	0.8	1.5	1.5	2.3	2.3	2.3
157.5°	1.5	1.5	1.5	1.5	0.8	0.8	0.8	1.5	1.5	1.5	2.3
160°	0.8	0.8	1.5	1.5	1.5	0.8	0.8	0.8	1.5	1.5	1.5
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: P416256

CATALOG NUMBER: LXF.LXT-PA1-70-727-U-T3-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	130.8	130.8	130.8	130.8	130.8	130.8	130.8	130.8	130.8	130.8	130.8
2.5°	133.1	133.9	133.1	132.4	132.4	131.6	131.6	131.6	131.6	130.8	130.8
5°	145.4	144.6	143.8	142.3	140.8	139.3	139.3	138.5	137.7	137.0	137.0
7.5°	162.2	162.2	160.7	158.4	156.1	154.6	153.0	152.3	150.0	150.0	149.2
10°	188.2	188.2	183.6	181.3	177.5	173.7	172.2	169.9	168.3	167.6	166.8
12.5°	225.7	223.4	218.8	211.2	203.5	197.4	193.6	192.0	192.8	192.8	193.6
15°	273.9	269.3	262.4	247.9	234.1	225.0	222.7	222.7	223.4	223.4	224.2
17.5°	331.3	324.4	309.1	290.8	270.9	258.6	253.3	253.3	254.8	257.1	259.4
20°	400.9	394.8	371.1	339.0	309.1	293.0	283.9	283.1	286.2	293.0	291.5
22.5°	479.7	472.9	437.7	391.0	349.7	323.7	313.7	316.8	324.4	329.0	329.0
25°	574.6	563.1	510.3	442.3	389.5	352.7	339.7	344.3	355.8	361.1	363.4
27.5°	676.4	661.1	590.7	498.1	420.8	376.4	362.7	368.8	382.6	391.0	393.3
30°	797.3	770.5	674.9	550.1	449.1	393.3	378.7	390.2	405.5	415.5	417.8
32.5°	924.3	883.0	747.5	594.5	469.8	404.8	390.2	404.0	420.8	432.3	433.1
35°	1051.3	1003.9	827.9	630.5	480.5	410.1	394.8	410.9	429.2	438.4	440.7
37.5°	1189.0	1123.2	897.5	653.4	485.1	409.3	394.8	410.9	428.5	436.1	437.7
40°	1321.4	1240.3	959.5	667.2	483.6	403.2	389.5	406.3	421.6	426.9	426.2
42.5°	1469.8	1353.5	1009.2	668.0	472.9	394.0	382.6	397.1	407.8	407.1	407.8
45°	1611.4	1473.7	1045.9	662.6	458.3	382.6	373.4	386.4	390.2	386.4	385.6
47.5°	1766.7	1593.0	1075.0	648.8	440.7	371.9	363.4	373.4	374.2	365.7	364.2
50°	1931.2	1712.4	1101.8	623.6	420.1	359.6	354.3	362.7	361.1	347.4	345.1
52.5°	2091.9	1833.3	1118.6	593.0	399.4	348.9	346.6	355.0	350.4	334.4	331.3
55°	2263.3	1945.0	1121.7	562.4	379.5	339.7	339.7	348.9	343.5	326.7	324.4
57.5°	2430.8	2062.0	1110.2	522.6	360.4	329.8	334.4	345.1	341.3	324.4	322.9
60°	2587.7	2150.0	1078.8	485.1	342.8	322.9	330.5	342.8	339.7	325.9	324.4
62.5°	2709.4	2208.2	1029.1	448.4	327.5	316.0	326.7	339.0	339.7	328.2	329.0
65°	2766.0	2208.2	957.2	411.6	313.7	309.1	322.9	336.7	338.2	331.3	331.3
67.5°	2753.7	2151.6	876.1	373.4	300.7	300.7	317.5	332.1	335.1	332.1	332.1
70°	2624.4	1998.5	765.1	342.8	287.7	290.8	309.1	324.4	329.0	329.8	329.0
72.5°	2414.0	1768.2	650.4	310.6	273.9	280.8	298.4	313.7	319.8	321.4	320.6
75°	2088.8	1501.2	537.9	283.9	259.4	267.8	286.2	299.2	306.1	309.1	307.6
77.5°	1678.7	1191.3	440.7	257.1	242.5	251.7	269.3	280.0	288.5	292.3	289.2
80°	1279.3	886.8	350.4	230.3	221.9	231.8	247.1	258.6	266.3	267.8	265.5
82.5°	908.2	628.9	280.8	205.1	199.7	208.1	221.9	229.5	238.7	238.0	233.4
85°	595.3	426.9	220.4	178.3	176.0	181.3	192.0	196.6	205.8	205.8	200.5
87.5°	387.2	283.1	173.7	150.0	152.3	156.9	162.2	166.0	169.9	170.6	166.0
90°	247.1	193.6	138.5	127.8	130.1	133.9	133.9	133.1	139.3	140.8	137.0
92.5°	162.2	137.7	114.8	108.6	110.2	110.9	110.9	107.9	113.2	114.0	110.9
95°	114.0	103.3	94.9	93.3	93.3	93.3	91.8	88.0	92.6	92.6	91.1
97.5°	85.7	80.3	79.6	79.6	79.6	78.8	76.5	75.0	76.5	76.5	75.7
100°	64.3	63.5	65.8	67.3	68.1	67.3	65.8	63.5	63.5	60.4	61.2
102.5°	49.0	50.5	55.1	57.4	57.4	57.4	56.6	53.6	52.0	49.0	48.2
105°	38.3	39.8	45.1	48.2	49.0	49.7	48.2	45.1	42.1	39.0	38.3
107.5°	29.8	32.1	36.7	40.6	42.1	42.1	41.3	38.3	34.4	30.6	30.6
110°	24.5	26.0	30.6	34.4	36.0	36.0	35.2	31.4	27.5	24.5	24.5



REPORT NUMBER: P416256

CATALOG NUMBER: LXF.LXT-PA1-70-727-U-T3-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	19.9	21.4	26.0	29.1	30.6	31.4	29.8	26.8	23.0	19.9	19.9
115°	16.8	18.4	22.2	24.5	26.0	26.0	25.2	22.2	19.1	16.8	16.8
117.5°	14.5	16.1	19.1	21.4	22.2	23.0	21.4	19.1	16.1	14.5	14.5
120°	13.0	13.8	16.8	18.4	19.1	19.1	18.4	16.1	13.8	13.0	13.0
122.5°	11.5	13.0	14.5	16.1	16.8	16.8	16.1	13.8	12.2	11.5	12.2
125°	10.7	11.5	13.0	14.5	14.5	14.5	13.8	12.2	10.7	10.7	10.7
127.5°	9.9	10.7	11.5	12.2	13.0	13.0	12.2	10.7	9.9	9.9	9.9
130°	9.2	9.9	10.7	10.7	11.5	11.5	10.7	9.2	9.2	9.2	9.2
132.5°	8.4	9.2	9.2	9.9	9.9	9.9	9.2	8.4	8.4	8.4	8.4
135°	7.7	7.7	8.4	8.4	8.4	8.4	7.7	7.7	7.7	7.7	7.7
137.5°	6.9	6.9	7.7	6.9	7.7	6.9	6.9	6.1	6.9	6.9	6.9
140°	6.1	6.1	6.1	6.1	6.1	6.1	5.4	5.4	6.1	6.1	6.1
142.5°	5.4	5.4	5.4	4.6	4.6	4.6	4.6	4.6	5.4	5.4	5.4
145°	4.6	4.6	4.6	3.8	3.8	3.1	3.8	3.8	4.6	4.6	4.6
147.5°	3.8	3.8	3.8	3.8	3.1	2.3	2.3	3.1	3.8	3.8	3.8
150°	3.1	3.8	3.8	3.1	2.3	1.5	1.5	2.3	3.1	3.1	3.1
152.5°	3.1	3.1	3.1	2.3	1.5	0.8	0.8	1.5	2.3	2.3	2.3
155°	2.3	2.3	2.3	2.3	1.5	0.8	0.0	1.5	1.5	1.5	1.5
157.5°	2.3	2.3	2.3	1.5	0.8	0.0	0.0	0.8	1.5	0.8	0.8
160°	1.5	1.5	1.5	1.5	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)