

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: P416354

Luminaire Tested: **LXF.LXT-PA1-70-740-U-T3-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416354
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-7)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-70-740-U-T3-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7960 lumens
Efficiency: N/A
Efficacy: 107.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B2 - U3 - G3

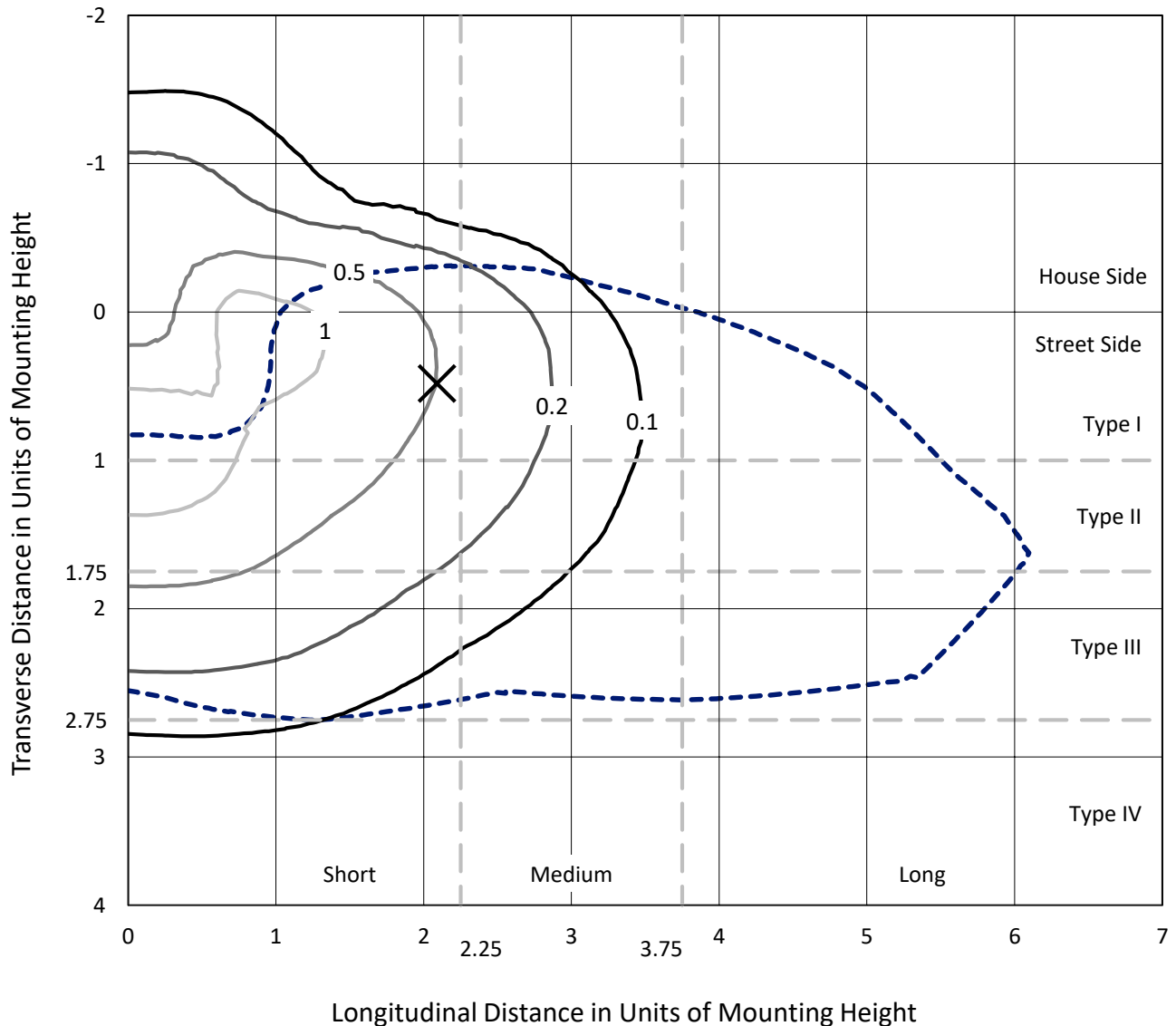
Input Watts (W): 74
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P416354
 CATALOG NUMBER: LXF.LXT-PA1-70-740-U-T3-A

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

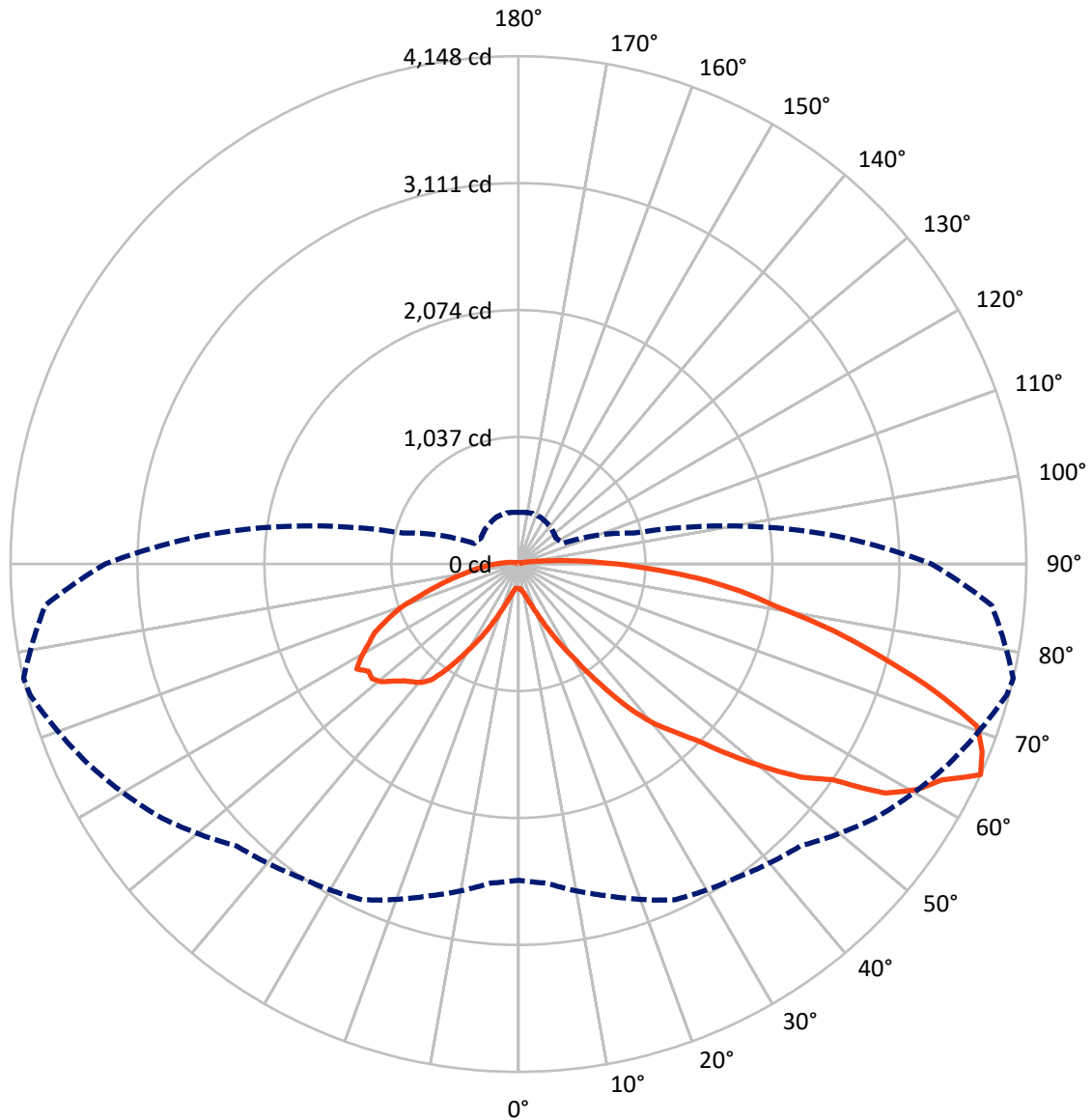


Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type III - Short - Non-Cutoff

REPORT NUMBER: P416354

CATALOG NUMBER: LXF.LXT-PA1-70-740-U-T3-A

Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P416354

CATALOG NUMBER: LXF.LXT-PA1-70-740-U-T3-A

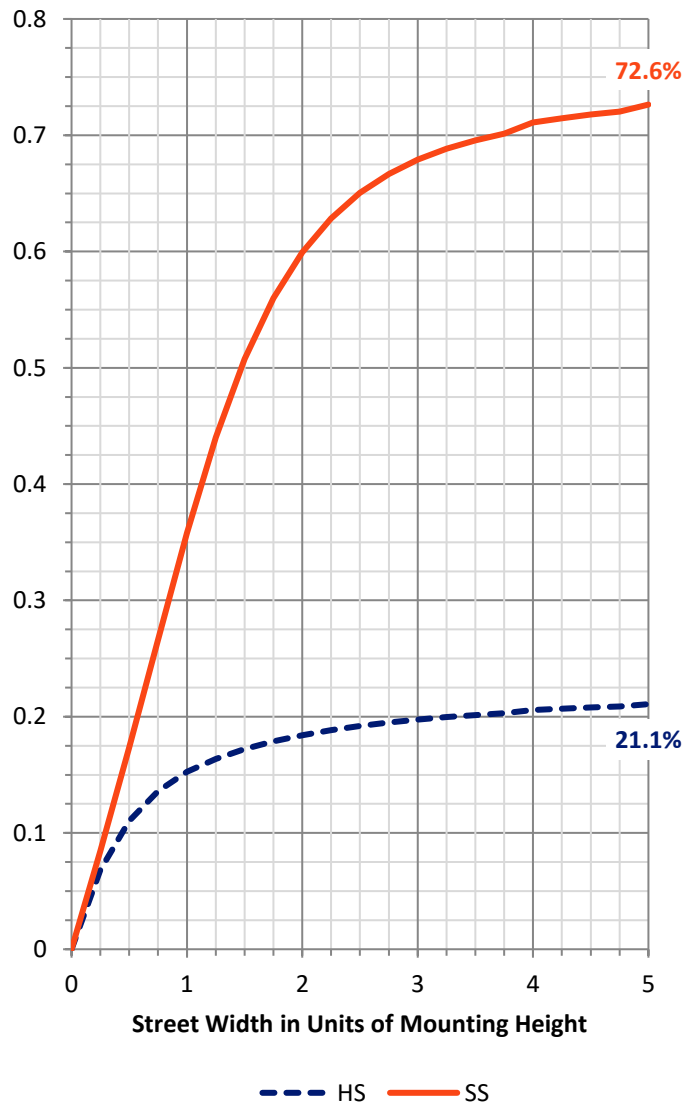
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1754.0	124.7	1878.7
	% Fixture	22.0	1.6	23.6
Street Side	Lumens	5925.3	155.9	6081.2
	% Fixture	74.4	2.0	76.4
Total	Lumens	7679.3	280.7	7960.0
	% Fixture	96.5	3.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.5	0.3
10°-20°	87.2	1.1
20°-30°	255.5	3.2
30°-40°	611.6	7.7
40°-50°	1101.3	13.8
50°-60°	1675.1	21.0
60°-70°	1976.0	24.8
70°-80°	1361.7	17.1
80°-90°	590.4	7.4
90°-100°	172.4	2.2
100°-110°	54.0	0.7
110°-120°	25.2	0.3
120°-130°	14.8	0.2
130°-140°	9.1	0.1
140°-150°	3.9	0.0
150°-160°	1.3	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	7679.3	96.5
0°-180°	7960.0	100.0

Coefficient of Utilization



REPORT NUMBER: P416354

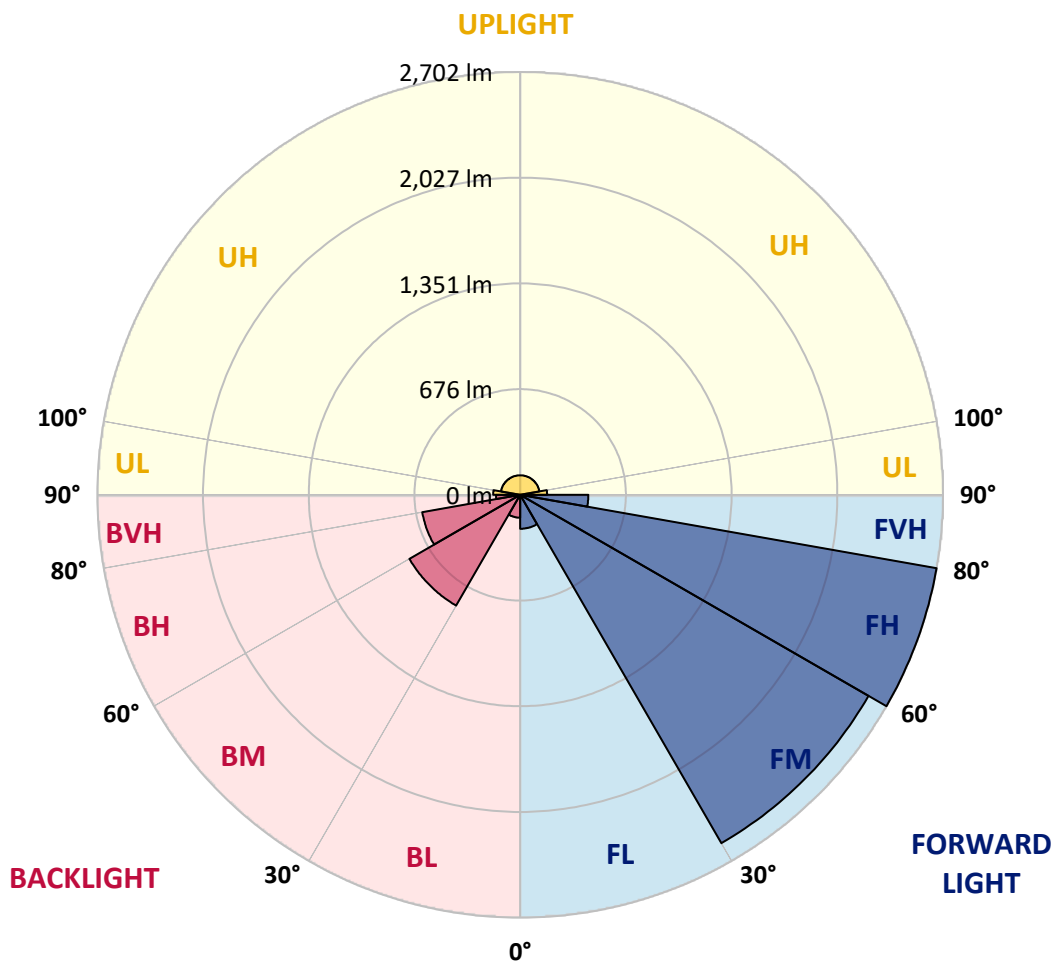
CATALOG NUMBER: LXF.LXT-PA1-70-740-U-T3-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	216.9	2.7			
FM (30°-60°)	2570.5	32.3			
FH (60°-80°)	2702.2	33.9			G2/5000
FVH (80°-90°)	435.6	5.5			G3/500
BL (0°-30°)	146.2	1.8	B1/500		
BM (30°-60°)	817.5	10.3	B1/1000		
BH (60°-80°)	635.5	8.0	B2/1000		G2/1000
BVH (80°-90°)	154.8	1.9			G2/225
UL (90°-100°)	172.4	2.2		U3/500	
UH (100°-180°)	124.7	1.6		U3/500	

BUG Rating: B2-U3-G3

Type III Short





REPORT NUMBER: P416354

CATALOG NUMBER: LXF.LXT-PA1-70-740-U-T3-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	200.4	200.4	200.4	200.4	200.4	200.4	200.4	200.4	200.4	200.4	200.4
2.5°	215.0	214.1	214.1	215.0	213.2	211.4	208.6	205.9	203.1	203.1	201.3
5°	232.4	231.5	231.5	231.5	227.8	225.1	218.7	215.0	211.4	209.5	206.8
7.5°	255.3	252.5	253.4	252.5	247.0	241.6	235.1	227.8	223.3	222.3	216.8
10°	285.5	283.6	281.8	278.2	272.7	263.5	254.4	248.0	241.6	240.6	234.2
12.5°	328.5	326.6	323.0	314.8	302.9	291.9	282.7	275.4	271.7	269.9	263.5
15°	380.6	375.1	373.3	360.5	344.0	331.2	321.2	316.6	312.9	312.9	304.7
17.5°	441.9	441.9	432.8	415.4	394.4	378.8	368.7	360.5	363.2	362.3	357.8
20°	517.9	516.0	502.3	479.4	453.8	439.2	426.4	421.8	425.5	429.1	429.1
22.5°	627.7	623.1	602.1	567.3	529.8	506.0	496.8	495.9	510.6	515.1	520.6
25°	751.2	744.8	718.3	676.2	629.5	592.9	580.1	590.2	616.7	626.8	637.7
27.5°	900.3	896.7	856.4	798.8	743.0	695.4	680.7	711.9	747.5	751.2	773.2
30°	1092.5	1094.3	1039.4	956.2	861.0	811.6	795.1	832.6	885.7	889.4	933.3
32.5°	1314.8	1314.8	1232.5	1131.8	1009.2	939.7	924.1	984.5	1067.8	1080.6	1122.7
35°	1598.5	1582.0	1476.8	1332.2	1178.5	1075.1	1073.3	1167.5	1281.9	1294.7	1340.4
37.5°	1852.8	1862.9	1755.8	1567.4	1359.7	1240.7	1256.3	1376.1	1520.7	1524.4	1573.8
40°	2128.2	2139.2	2013.0	1816.2	1561.0	1427.4	1458.5	1570.1	1713.8	1716.5	1733.9
42.5°	2344.2	2372.5	2254.5	2049.5	1791.5	1639.6	1647.0	1751.3	1862.0	1875.7	1887.6
45°	2473.2	2494.2	2429.3	2265.5	1994.7	1851.9	1834.5	1919.6	2064.2	2060.5	2077.9
47.5°	2676.3	2701.0	2601.3	2452.1	2223.4	2046.8	2024.8	2135.6	2313.1	2331.4	2314.9
50°	2886.8	2919.7	2847.4	2673.6	2437.5	2265.5	2268.2	2394.5	2601.3	2607.7	2617.8
52.5°	3034.1	3057.9	3029.5	2908.7	2658.0	2501.5	2526.3	2677.2	2880.3	2892.2	2852.0
55°	3056.9	3093.5	3116.4	3089.0	2899.6	2744.9	2808.1	2959.0	3096.3	3106.3	3075.2
57.5°	3049.6	3079.8	3128.3	3149.4	3054.2	2995.6	3077.1	3231.7	3496.1	3530.0	3514.4
60°	3041.4	3063.3	3164.0	3195.1	3141.1	3187.8	3317.7	3593.1	3738.6	3741.3	3599.5
62.5°	2812.6	2849.2	3038.6	3195.1	3180.5	3269.2	3553.8	3745.0	3860.3	3881.3	3745.9
65°	2583.0	2615.0	2805.3	3024.9	3121.9	3255.5	3590.4	3872.2	4128.4	4147.6	3879.5
67.5°	2250.8	2301.2	2508.9	2773.3	2892.2	3105.4	3494.3	3917.0	4076.2	4084.5	3777.9
70°	1833.6	1902.2	2136.5	2415.5	2558.3	2774.2	3279.3	3756.9	3979.2	3974.7	3609.6
72.5°	1321.2	1382.5	1596.6	1927.9	2151.1	2387.2	2885.8	3438.5	3564.8	3560.2	3070.7
75°	897.6	930.5	1091.6	1394.4	1715.6	1992.8	2486.0	2982.8	3089.9	3081.6	2630.6
77.5°	588.3	625.8	730.2	989.1	1288.3	1607.6	2087.1	2497.0	2665.3	2635.1	2229.8
80°	360.5	381.5	467.6	667.9	976.3	1297.4	1725.6	2112.7	2199.6	2155.7	1820.8
82.5°	225.1	241.6	302.9	441.0	700.9	1001.9	1415.5	1778.7	1875.7	1826.3	1497.8
85°	138.2	146.4	188.5	290.0	475.8	736.6	1138.2	1442.9	1502.4	1466.7	1129.1
87.5°	100.6	102.5	129.0	195.8	321.2	527.0	838.1	1087.0	1130.0	1064.1	791.5
90°	74.1	77.8	95.2	138.2	223.3	357.8	577.4	764.9	775.9	735.6	528.9
92.5°	55.8	57.6	71.4	97.9	153.7	244.3	385.2	512.4	502.3	474.0	328.5
95°	40.3	41.2	51.2	69.5	108.0	163.8	245.2	321.2	289.1	277.2	199.5
97.5°	32.9	33.9	41.2	54.0	79.6	115.3	158.3	191.2	170.2	162.9	128.1
100°	28.4	28.4	34.8	44.8	62.2	86.0	105.2	119.9	109.8	106.1	90.6
102.5°	25.6	25.6	30.2	37.5	51.2	67.7	77.8	82.3	76.9	74.1	66.8
105°	22.9	22.9	26.5	32.0	43.0	54.9	59.5	60.4	54.9	54.0	51.2
107.5°	21.0	21.0	23.8	28.4	36.6	45.7	47.6	44.8	42.1	40.3	40.3
110°	18.3	19.2	21.0	24.7	32.0	38.4	38.4	34.8	31.1	31.1	32.0



REPORT NUMBER: P416354

CATALOG NUMBER: LXF.LXT-PA1-70-740-U-T3-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	17.4	17.4	19.2	22.9	28.4	32.9	31.1	27.4	24.7	24.7	26.5
115°	15.6	15.6	17.4	21.0	25.6	28.4	26.5	22.9	20.1	21.0	22.9
117.5°	14.6	14.6	16.5	19.2	22.9	24.7	22.9	19.2	17.4	18.3	21.0
120°	14.6	14.6	16.5	18.3	21.0	22.0	20.1	16.5	15.6	15.6	18.3
122.5°	14.6	14.6	15.6	18.3	20.1	20.1	17.4	14.6	13.7	13.7	16.5
125°	14.6	14.6	16.5	18.3	18.3	18.3	15.6	12.8	11.9	12.8	14.6
127.5°	15.6	15.6	16.5	17.4	17.4	16.5	13.7	11.9	11.0	11.9	13.7
130°	15.6	15.6	16.5	17.4	16.5	14.6	12.8	11.0	11.0	11.0	13.7
132.5°	15.6	15.6	16.5	16.5	15.6	12.8	11.0	9.1	10.1	11.0	12.8
135°	14.6	14.6	14.6	14.6	13.7	11.9	9.1	8.2	9.1	10.1	11.9
137.5°	13.7	13.7	13.7	13.7	11.9	10.1	7.3	6.4	8.2	8.2	10.1
140°	11.9	11.9	12.8	11.9	11.0	8.2	6.4	4.6	6.4	6.4	8.2
142.5°	11.0	11.0	11.0	11.0	9.1	7.3	4.6	4.6	5.5	5.5	6.4
145°	9.1	9.1	10.1	9.1	7.3	5.5	3.7	3.7	4.6	4.6	5.5
147.5°	7.3	8.2	8.2	7.3	6.4	4.6	2.7	2.7	3.7	3.7	4.6
150°	6.4	6.4	6.4	6.4	4.6	2.7	1.8	2.7	3.7	3.7	3.7
152.5°	4.6	4.6	5.5	5.5	3.7	1.8	1.8	2.7	2.7	2.7	3.7
155°	3.7	3.7	4.6	3.7	2.7	0.9	1.8	1.8	2.7	2.7	2.7
157.5°	1.8	1.8	2.7	2.7	1.8	0.9	0.9	1.8	1.8	1.8	2.7
160°	0.9	0.9	2.7	2.7	1.8	0.9	0.9	0.9	1.8	1.8	1.8
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: P416354

CATALOG NUMBER: LXF.LXT-PA1-70-740-U-T3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	200.4	200.4	200.4	200.4	200.4	200.4	200.4	200.4	200.4	200.4	200.4
2.5°	200.4	198.6	197.6	195.8	194.0	192.1	192.1	192.1	191.2	190.3	191.2
5°	204.0	203.1	198.6	194.9	191.2	189.4	187.6	186.7	186.7	184.8	184.8
7.5°	214.1	210.4	204.0	197.6	194.0	190.3	187.6	186.7	185.7	183.9	183.9
10°	229.7	225.1	217.8	207.7	201.3	194.9	192.1	192.1	191.2	190.3	190.3
12.5°	258.9	253.4	240.6	226.9	214.1	205.0	203.1	205.9	211.4	212.3	212.3
15°	301.9	295.5	279.1	257.1	237.0	224.2	226.0	233.3	240.6	243.4	243.4
17.5°	355.0	347.7	323.9	291.9	265.3	253.4	252.5	262.6	272.7	278.2	278.2
20°	426.4	414.5	383.4	337.6	301.0	287.3	281.8	291.0	306.5	312.9	311.1
22.5°	515.1	501.4	457.5	388.0	342.2	317.5	310.2	320.2	339.5	347.7	346.8
25°	632.2	618.5	547.2	451.1	382.5	344.0	339.5	354.1	382.5	398.9	397.1
27.5°	768.6	745.7	650.5	521.5	421.8	366.0	366.9	391.6	420.9	439.2	437.4
30°	914.1	884.8	754.9	589.2	458.4	390.7	388.9	418.1	448.3	467.6	467.6
32.5°	1106.2	1063.2	875.6	654.2	486.8	409.9	403.5	436.4	467.6	487.7	486.8
35°	1312.1	1254.4	1001.9	722.8	510.6	420.0	412.7	446.5	478.5	502.3	502.3
37.5°	1548.1	1450.2	1119.9	770.4	527.0	425.5	415.4	453.8	493.2	517.9	516.0
40°	1672.6	1562.8	1176.7	791.5	529.8	426.4	420.0	460.2	493.2	502.3	497.7
42.5°	1811.7	1669.8	1200.5	765.8	519.7	424.5	422.7	453.8	468.5	465.7	463.0
45°	1987.3	1796.1	1223.3	733.8	495.9	421.8	418.1	436.4	437.4	426.4	422.7
47.5°	2211.5	1969.9	1260.8	695.4	472.1	415.4	410.8	419.1	403.5	383.4	377.0
50°	2452.1	2171.2	1307.5	662.4	450.2	407.2	402.6	399.8	384.3	364.2	360.5
52.5°	2661.7	2307.6	1320.3	627.7	435.5	401.7	396.2	393.4	378.8	355.9	351.4
55°	2849.2	2423.8	1275.5	575.5	423.6	398.0	396.2	396.2	380.6	356.8	352.3
57.5°	3219.8	2701.9	1291.9	522.5	408.1	397.1	399.8	400.8	386.1	363.2	358.7
60°	3230.8	2648.9	1195.9	484.9	394.4	397.1	403.5	405.3	395.3	379.7	377.0
62.5°	3336.0	2650.7	1066.9	436.4	385.2	395.3	406.2	412.7	413.6	404.4	402.6
65°	3374.4	2612.3	973.5	398.0	372.4	390.7	407.2	422.7	428.2	423.6	421.8
67.5°	3227.1	2435.7	846.4	372.4	359.6	383.4	406.2	425.5	437.4	440.1	440.1
70°	3033.2	2237.1	732.9	347.7	345.9	373.3	399.8	425.5	441.9	449.3	449.3
72.5°	2540.9	1837.3	604.8	322.1	327.6	357.8	386.1	417.2	435.5	441.9	439.2
75°	2125.5	1512.5	497.7	300.1	309.3	338.5	366.9	397.1	409.9	413.6	410.8
77.5°	1797.9	1258.1	409.0	280.0	287.3	313.8	339.5	360.5	368.7	366.9	362.3
80°	1449.3	981.8	335.8	255.3	262.6	283.6	301.9	318.4	326.6	322.1	319.3
82.5°	1153.8	780.5	286.4	233.3	236.1	253.4	266.3	279.1	292.8	289.1	281.8
85°	853.7	574.6	243.4	209.5	209.5	222.3	228.7	240.6	259.9	258.9	256.2
87.5°	583.8	409.0	206.8	185.7	184.8	192.1	195.8	208.6	233.3	234.2	231.5
90°	384.3	280.0	172.9	161.0	159.2	164.7	167.4	178.4	198.6	200.4	196.7
92.5°	249.8	194.0	141.8	136.3	135.4	140.0	139.1	146.4	160.1	159.2	156.5
95°	160.1	135.4	115.3	112.5	109.8	115.3	113.5	115.3	122.6	120.8	120.8
97.5°	110.7	103.4	95.2	90.6	88.8	94.2	92.4	92.4	96.1	92.4	90.6
100°	85.1	82.3	78.7	75.0	71.4	75.9	75.9	75.9	78.7	73.2	71.4
102.5°	65.9	65.0	65.0	62.2	59.5	63.1	64.0	65.0	64.0	58.6	57.6
105°	52.2	52.2	54.0	51.2	50.3	53.1	54.0	53.1	53.1	48.5	48.5
107.5°	41.2	43.0	44.8	43.0	43.0	44.8	44.8	44.8	43.0	40.3	41.2
110°	33.9	35.7	38.4	36.6	36.6	38.4	37.5	36.6	35.7	34.8	34.8



REPORT NUMBER: P416354

CATALOG NUMBER: LXF.LXT-PA1-70-740-U-T3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	29.3	30.2	32.0	31.1	32.0	32.9	32.0	30.2	30.2	30.2	31.1
115°	24.7	26.5	28.4	27.4	27.4	28.4	26.5	25.6	25.6	26.5	26.5
117.5°	22.0	23.8	24.7	24.7	23.8	24.7	22.9	22.0	22.9	23.8	23.8
120°	20.1	21.0	22.0	22.0	21.0	21.0	20.1	19.2	20.1	21.0	22.0
122.5°	18.3	19.2	19.2	20.1	19.2	18.3	17.4	17.4	18.3	19.2	19.2
125°	16.5	17.4	17.4	17.4	17.4	16.5	15.6	15.6	16.5	17.4	18.3
127.5°	14.6	15.6	15.6	16.5	15.6	14.6	13.7	14.6	15.6	16.5	16.5
130°	14.6	14.6	14.6	14.6	13.7	12.8	12.8	12.8	14.6	15.6	15.6
132.5°	13.7	14.6	13.7	13.7	12.8	11.0	11.0	11.9	13.7	14.6	14.6
135°	12.8	12.8	11.9	11.9	11.0	10.1	9.1	11.0	11.9	12.8	12.8
137.5°	11.0	11.0	10.1	9.1	9.1	8.2	8.2	9.1	11.0	11.9	11.9
140°	8.2	9.1	8.2	7.3	7.3	6.4	7.3	8.2	10.1	10.1	10.1
142.5°	6.4	7.3	6.4	5.5	5.5	5.5	5.5	7.3	9.1	9.1	9.1
145°	5.5	5.5	5.5	4.6	3.7	3.7	4.6	6.4	8.2	8.2	8.2
147.5°	4.6	4.6	4.6	3.7	2.7	2.7	3.7	5.5	6.4	6.4	6.4
150°	3.7	3.7	3.7	3.7	2.7	1.8	2.7	4.6	5.5	5.5	5.5
152.5°	3.7	3.7	3.7	2.7	1.8	0.9	1.8	3.7	4.6	4.6	4.6
155°	2.7	2.7	2.7	2.7	1.8	0.9	0.9	2.7	3.7	3.7	3.7
157.5°	2.7	2.7	2.7	1.8	0.9	0.0	0.9	2.7	3.7	2.7	2.7
160°	1.8	1.8	1.8	1.8	0.9	0.0	0.9	1.8	2.7	1.8	1.8
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

(END OF REPORT)