

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: P417097

Luminaire Tested: **LXF.LXT-PA1-90-727-U-T4W-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417097
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-23)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-90-727-U-T4W-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7763 lumens
Efficiency: N/A
Efficacy: 82.6 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): 94
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

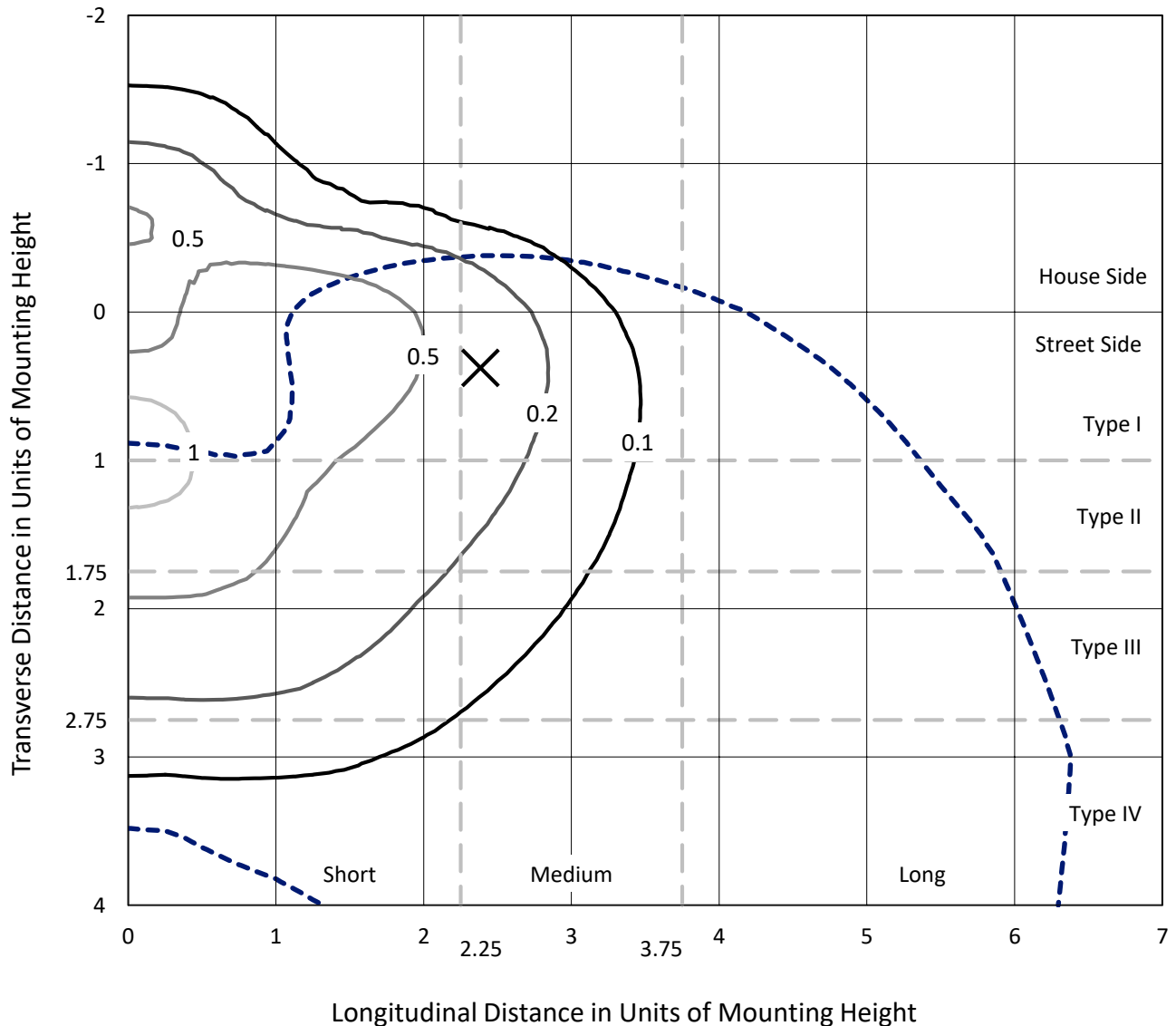


REPORT NUMBER: P417097

CATALOG NUMBER: LXF.LXT-PA1-90-727-U-T4W-TL

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

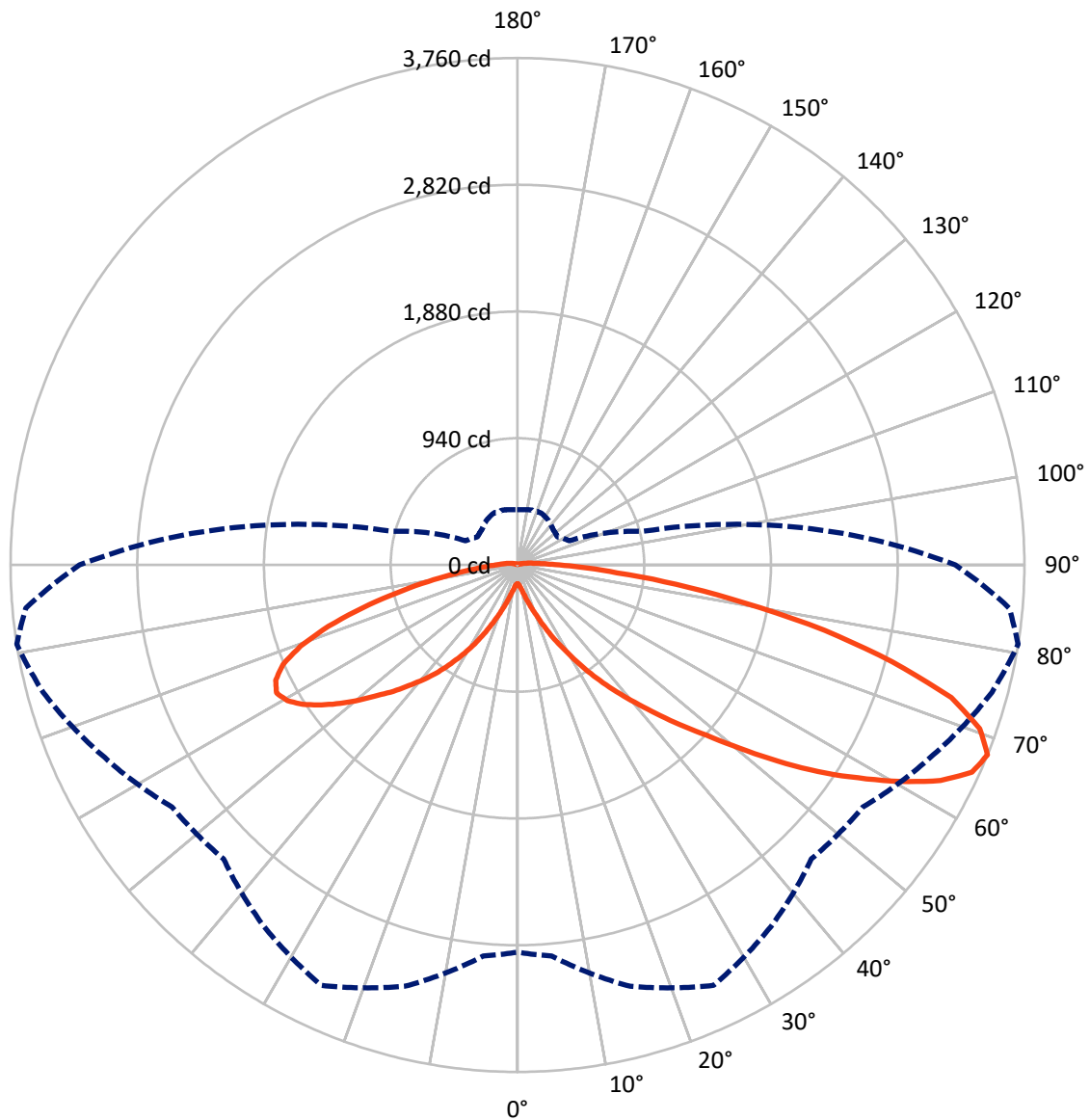


Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P417097

CATALOG NUMBER: LXF.LXT-PA1-90-727-U-T4W-TL

Luminous Intensity Polar Plot



— Vertical Plane Through 81-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P417097

CATALOG NUMBER: LXF.LXT-PA1-90-727-U-T4W-TL

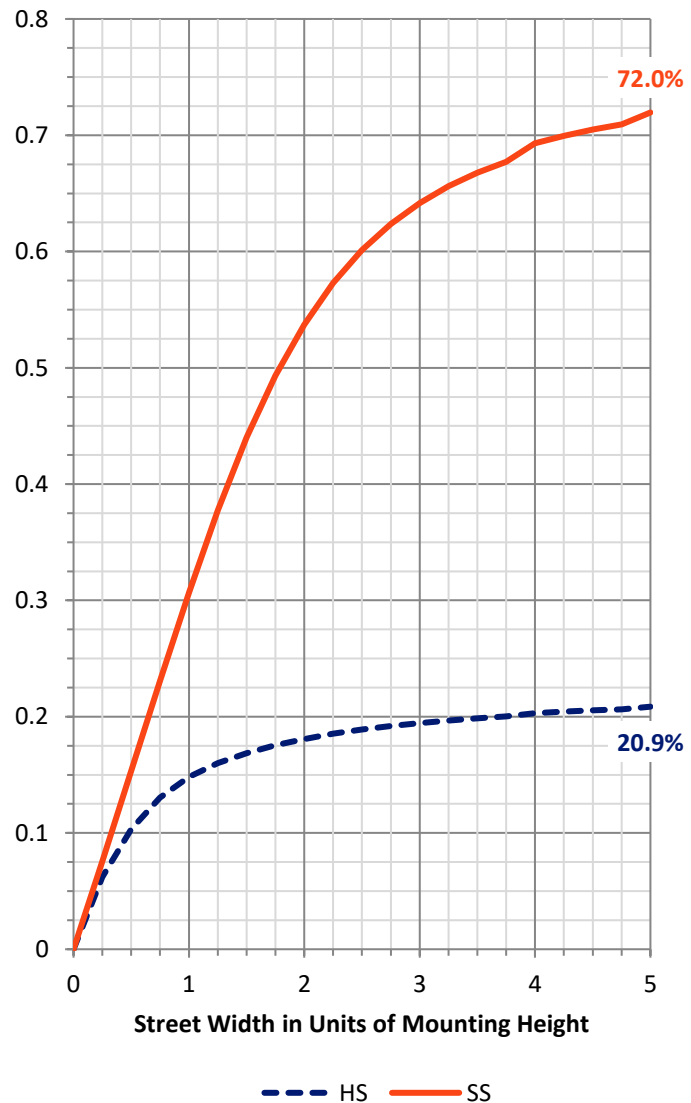
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1699.3	120.8	1820.1
	% Fixture	21.9	1.6	23.4
Street Side	Lumens	5790.9	151.9	5942.8
	% Fixture	74.6	2.0	76.6
Total	Lumens	7490.2	272.8	7763.0
	% Fixture	96.5	3.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.0	0.2
10°-20°	80.1	1.0
20°-30°	239.0	3.1
30°-40°	519.0	6.7
40°-50°	910.0	11.7
50°-60°	1442.1	18.6
60°-70°	1946.1	25.1
70°-80°	1669.8	21.5
80°-90°	668.0	8.6
90°-100°	162.6	2.1
100°-110°	57.1	0.7
110°-120°	26.2	0.3
120°-130°	14.1	0.2
130°-140°	7.9	0.1
140°-150°	3.7	0.0
150°-160°	1.2	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	7490.2	96.5
0°-180°	7763.0	100.0



REPORT NUMBER: P417097

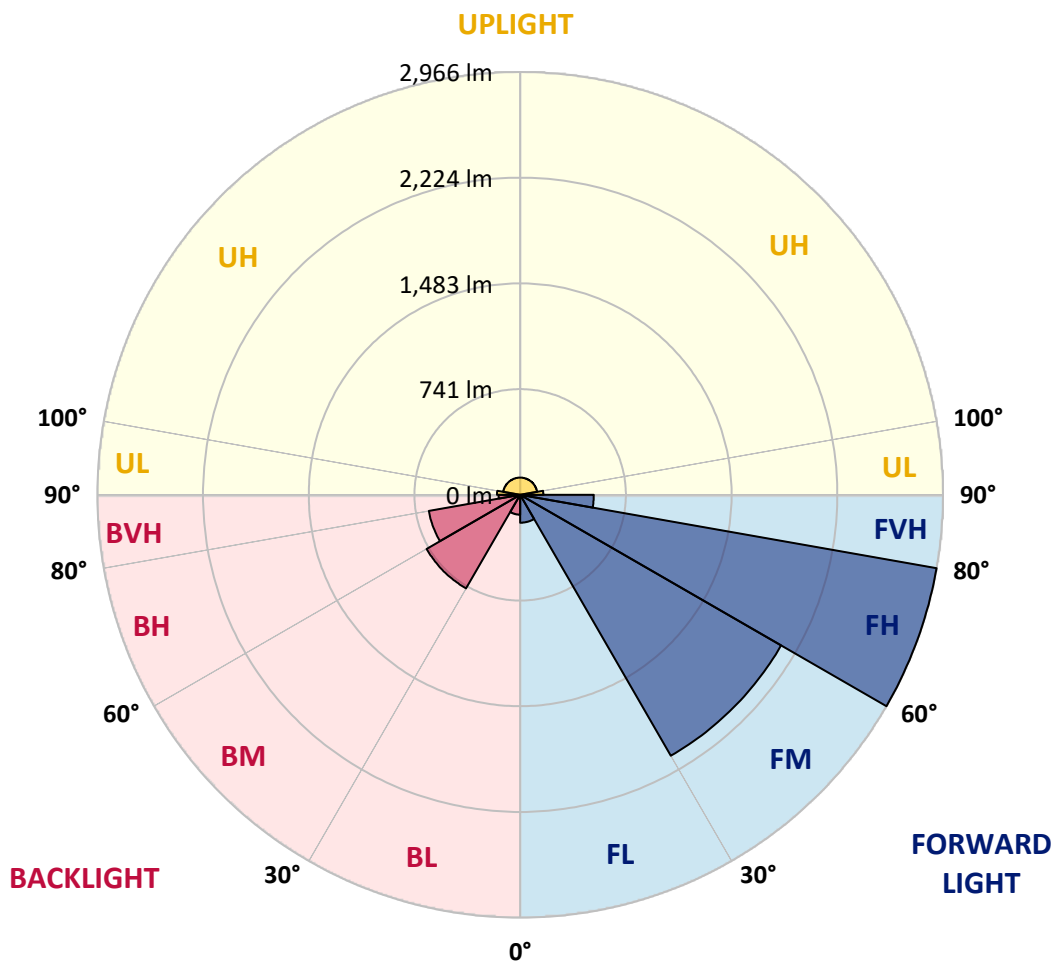
CATALOG NUMBER: LXF.LXT-PA1-90-727-U-T4W-TL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	195.9	2.5			
FM (30°-60°)	2113.0	27.2			
FH (60°-80°)	2965.7	38.2			G2/5000
FVH (80°-90°)	516.3	6.7			G4/750
BL (0°-30°)	139.4	1.8	B1/500		
BM (30°-60°)	758.1	9.8	B1/1000		
BH (60°-80°)	650.2	8.4	B2/1000		G2/1000
BVH (80°-90°)	151.7	2.0			G2/225
UL (90°-100°)	162.6	2.1		U3/500	
UH (100°-180°)	120.8	1.6		U3/500	

BUG Rating: B2-U3-G4

Type IV Medium





REPORT NUMBER: P417097

CATALOG NUMBER: LXF.LXT-PA1-90-727-U-T4W-TL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
0°	139.7	139.7	139.7	139.7	139.7	139.7	139.7	139.7	139.7	139.7	139.7
2.5°	152.4	151.5	151.5	152.4	152.4	152.4	149.7	147.0	144.3	143.4	142.5
5°	173.1	171.3	171.3	171.3	170.4	167.7	164.1	160.5	156.9	155.1	153.3
7.5°	200.2	199.3	198.4	195.6	194.7	190.2	184.8	179.4	174.0	172.2	170.4
10°	237.1	236.2	231.7	230.8	226.3	221.8	213.7	205.6	198.4	195.6	192.9
12.5°	284.0	284.0	277.7	270.5	265.1	256.1	248.8	238.9	233.5	229.9	226.3
15°	345.3	341.7	333.6	325.5	311.1	300.2	289.4	284.0	280.4	275.9	270.5
17.5°	412.9	408.4	401.2	385.0	366.0	350.7	340.8	335.4	333.6	330.9	324.6
20°	494.1	488.7	478.7	453.5	432.8	412.0	400.3	397.6	399.4	394.9	388.6
22.5°	590.5	586.9	566.2	534.6	505.8	476.9	466.1	467.9	471.5	477.8	474.2
25°	700.5	691.5	671.7	626.6	578.8	550.9	540.1	548.2	564.4	573.4	566.2
27.5°	828.6	823.2	783.5	724.9	662.7	624.8	616.7	640.1	668.1	675.3	675.3
30°	963.8	967.4	909.7	840.3	761.9	709.6	699.6	733.0	780.8	785.3	797.0
32.5°	1135.1	1128.8	1068.4	954.8	861.9	794.3	788.0	834.9	895.3	918.7	918.7
35°	1314.5	1308.2	1234.3	1100.0	971.0	883.6	888.1	937.7	1019.7	1049.5	1054.0
37.5°	1521.0	1500.3	1420.0	1253.2	1090.0	987.3	979.1	1054.0	1150.4	1192.8	1192.8
40°	1748.2	1736.5	1624.7	1427.2	1211.7	1094.5	1088.2	1174.8	1292.0	1338.9	1347.9
42.5°	1969.1	1953.8	1850.1	1595.8	1352.4	1208.1	1209.0	1303.7	1438.1	1503.0	1514.7
45°	2202.6	2188.2	2074.6	1803.2	1504.8	1348.8	1338.0	1456.1	1616.6	1688.7	1702.2
47.5°	2410.0	2400.1	2301.8	2009.7	1694.1	1499.4	1484.9	1621.1	1806.8	1887.0	1927.6
50°	2635.4	2622.8	2530.8	2229.7	1882.5	1659.8	1658.9	1805.0	2037.6	2135.0	2168.3
52.5°	2818.4	2804.0	2740.0	2450.5	2069.2	1847.4	1832.0	2011.5	2276.5	2416.3	2432.5
55°	2987.0	2981.6	2960.0	2687.7	2296.4	2031.3	2041.2	2254.0	2548.8	2706.6	2730.9
57.5°	3108.7	3115.9	3125.8	2925.7	2519.1	2236.9	2254.9	2497.4	2831.9	2978.9	3012.2
60°	3191.7	3216.9	3282.7	3133.1	2746.3	2461.4	2492.0	2738.2	3104.2	3261.1	3288.1
62.5°	3198.0	3225.0	3378.3	3326.9	2964.5	2691.3	2726.4	2986.1	3347.6	3521.6	3524.4
65°	3078.1	3115.0	3360.3	3431.5	3156.5	2911.3	2942.8	3207.0	3551.4	3705.6	3649.7
67.5°	2871.6	2910.4	3234.9	3440.5	3275.5	3082.6	3127.6	3378.3	3643.4	3759.7	3660.5
70°	2572.3	2610.1	2951.8	3304.4	3297.1	3183.5	3243.1	3448.6	3626.2	3638.0	3498.2
72.5°	2179.2	2175.6	2544.3	3006.8	3177.2	3175.4	3270.1	3395.4	3430.6	3364.8	3157.4
75°	1668.9	1715.7	2052.0	2576.8	2904.1	3032.1	3127.6	3175.4	3074.5	2870.7	2646.2
77.5°	1195.5	1234.3	1539.9	2031.3	2498.3	2734.6	2840.0	2817.5	2566.9	2327.9	2070.1
80°	791.6	814.1	1069.3	1516.5	2014.2	2288.3	2415.4	2328.8	2010.6	1704.9	1482.2
82.5°	475.1	512.1	672.6	1065.7	1494.0	1808.6	1886.1	1741.9	1435.3	1186.5	1023.3
85°	287.6	295.7	418.3	681.6	1043.2	1301.0	1374.9	1219.9	944.0	741.1	614.9
87.5°	161.4	175.8	258.8	443.6	701.4	903.4	929.5	803.3	592.4	459.8	385.0
90°	94.7	104.6	158.7	275.0	447.2	584.2	591.4	486.0	350.7	276.8	246.1
92.5°	60.4	67.6	105.5	176.7	287.6	379.6	369.7	300.2	224.5	184.8	159.6
95°	43.3	46.9	73.9	121.7	192.9	238.9	235.3	188.4	150.6	128.9	117.2
97.5°	32.5	36.1	57.7	89.3	129.8	160.5	156.9	125.3	104.6	94.7	90.2
100°	27.0	28.9	46.9	70.3	96.5	115.4	113.6	92.9	78.4	71.2	69.4
102.5°	23.4	25.2	38.8	56.8	76.6	89.3	85.7	72.1	59.5	53.2	51.4
105°	20.7	21.6	33.4	48.7	63.1	70.3	69.4	57.7	46.0	39.7	38.8
107.5°	18.9	19.8	28.9	41.5	53.2	59.5	57.7	46.9	35.2	30.7	29.8
110°	17.1	18.0	25.2	36.1	45.1	50.5	47.8	38.8	27.9	23.4	23.4



REPORT NUMBER: P417097

CATALOG NUMBER: LXF.LXT-PA1-90-727-U-T4W-TL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
112.5°	16.2	16.2	22.5	30.7	38.8	43.3	40.6	31.6	21.6	18.9	19.8
115°	15.3	15.3	19.8	27.0	34.3	37.9	34.3	26.1	18.0	16.2	16.2
117.5°	14.4	14.4	18.0	24.3	30.7	33.4	29.8	22.5	15.3	13.5	14.4
120°	13.5	14.4	17.1	21.6	27.0	28.9	26.1	18.9	12.6	12.6	13.5
122.5°	13.5	13.5	16.2	19.8	24.3	25.2	22.5	16.2	11.7	11.7	11.7
125°	13.5	13.5	15.3	18.0	21.6	22.5	18.9	13.5	10.8	10.8	10.8
127.5°	13.5	13.5	14.4	17.1	18.9	19.8	17.1	12.6	9.9	9.9	10.8
130°	12.6	13.5	13.5	15.3	17.1	17.1	14.4	10.8	9.0	9.0	9.9
132.5°	12.6	12.6	13.5	14.4	15.3	15.3	12.6	9.9	8.1	9.0	9.0
135°	12.6	12.6	12.6	13.5	14.4	13.5	10.8	8.1	7.2	8.1	8.1
137.5°	11.7	11.7	11.7	12.6	12.6	11.7	9.9	7.2	7.2	7.2	7.2
140°	10.8	10.8	10.8	10.8	11.7	10.8	8.1	6.3	6.3	6.3	6.3
142.5°	9.9	9.9	9.9	9.9	9.9	9.0	7.2	5.4	5.4	5.4	5.4
145°	9.0	9.0	9.0	9.0	8.1	7.2	5.4	4.5	4.5	5.4	5.4
147.5°	7.2	7.2	7.2	7.2	7.2	6.3	4.5	3.6	4.5	4.5	4.5
150°	6.3	6.3	6.3	6.3	5.4	5.4	3.6	3.6	3.6	4.5	4.5
152.5°	4.5	4.5	4.5	5.4	4.5	3.6	2.7	2.7	3.6	3.6	3.6
155°	3.6	3.6	3.6	3.6	3.6	2.7	1.8	2.7	3.6	3.6	3.6
157.5°	1.8	2.7	2.7	2.7	2.7	2.7	1.8	2.7	2.7	2.7	2.7
160°	0.9	0.9	1.8	1.8	2.7	2.7	1.8	1.8	2.7	2.7	2.7
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: P417097

CATALOG NUMBER: LXF.LXT-PA1-90-727-U-T4W-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	139.7	139.7	139.7	139.7	139.7	139.7	139.7	139.7	139.7	139.7	139.7
2.5°	142.5	141.6	140.6	139.7	138.8	138.8	137.9	137.0	136.1	135.2	135.2
5°	152.4	150.6	147.9	146.1	144.3	144.3	142.5	141.6	139.7	138.8	138.8
7.5°	167.7	166.8	161.4	158.7	156.0	155.1	153.3	151.5	149.7	149.7	149.7
10°	190.2	187.5	183.0	175.8	173.1	171.3	168.6	166.8	166.8	167.7	167.7
12.5°	224.5	217.3	211.0	201.1	195.6	192.0	190.2	191.1	195.6	197.5	195.6
15°	264.2	262.4	247.0	232.6	221.8	214.6	219.1	224.5	230.8	232.6	235.3
17.5°	319.2	312.9	292.1	271.4	251.5	247.9	253.3	262.4	269.6	275.0	279.5
20°	385.0	374.2	348.9	312.9	290.3	284.9	288.5	301.1	314.7	325.5	326.4
22.5°	467.9	451.7	406.6	361.5	328.2	319.2	323.7	343.5	363.3	376.9	376.0
25°	558.1	538.3	477.8	412.9	367.0	350.7	358.8	385.0	412.9	429.2	431.0
27.5°	659.1	639.2	555.4	462.5	402.1	377.8	391.3	421.0	458.9	478.7	482.4
30°	778.1	751.0	632.9	515.7	434.6	403.0	415.6	454.4	495.9	523.8	527.4
32.5°	901.6	859.2	710.5	559.0	457.1	419.2	433.7	478.7	526.5	557.2	562.6
35°	1029.6	977.3	788.9	596.0	473.3	429.2	443.6	494.1	544.6	577.9	582.4
37.5°	1173.9	1104.5	860.1	623.9	482.4	431.9	446.3	496.8	548.2	580.6	585.1
40°	1319.0	1226.2	919.6	641.0	483.3	429.2	440.9	489.6	538.3	566.2	570.7
42.5°	1475.0	1354.2	979.1	645.5	478.7	421.9	431.9	475.1	516.6	538.3	541.0
45°	1649.9	1502.1	1029.6	641.9	466.1	411.1	418.3	455.3	487.8	497.7	502.2
47.5°	1834.8	1648.1	1068.4	631.1	453.5	399.4	403.9	434.6	455.3	456.2	457.1
50°	2060.2	1825.7	1116.2	615.8	436.4	388.6	391.3	415.6	425.6	421.0	419.2
52.5°	2307.2	2016.0	1146.8	591.4	421.0	378.7	381.4	400.3	403.9	394.0	394.9
55°	2575.9	2193.6	1173.0	568.0	404.8	372.4	377.8	393.1	393.1	380.5	379.6
57.5°	2826.5	2374.8	1184.7	538.3	391.3	367.9	376.9	392.2	390.4	378.7	377.8
60°	3069.0	2522.7	1170.3	509.4	382.3	366.0	382.3	398.5	396.7	386.8	385.9
62.5°	3236.7	2615.5	1134.2	480.6	374.2	368.8	388.6	407.5	407.5	396.7	396.7
65°	3308.9	2604.7	1060.3	451.7	367.9	370.6	397.6	417.4	415.6	406.6	404.8
67.5°	3248.5	2506.4	961.1	423.8	362.4	372.4	402.1	422.9	421.0	411.1	409.3
70°	3054.6	2300.0	841.2	398.5	355.2	369.7	403.9	421.9	419.2	410.2	406.6
72.5°	2668.7	1979.0	715.9	374.2	344.4	363.3	398.5	414.7	412.0	404.8	400.3
75°	2198.1	1595.8	591.4	347.1	330.9	351.6	386.8	401.2	397.6	391.3	386.8
77.5°	1680.6	1205.4	488.7	321.9	314.7	336.3	370.6	381.4	377.8	372.4	369.7
80°	1189.2	858.3	393.1	293.9	291.2	312.9	341.7	353.4	351.6	346.2	341.7
82.5°	782.6	570.7	313.8	262.4	264.2	286.7	308.3	314.7	313.8	309.2	303.8
85°	482.4	376.0	247.0	226.3	234.4	252.4	270.5	271.4	268.7	267.8	259.7
87.5°	307.4	257.0	193.8	192.0	203.8	219.1	227.2	223.6	225.4	225.4	219.1
90°	200.2	180.3	155.1	160.5	173.1	184.8	188.4	178.5	183.9	181.2	178.5
92.5°	145.2	134.3	126.2	133.4	146.1	156.9	155.1	144.3	147.0	147.0	146.1
95°	110.0	104.6	105.5	112.7	122.6	129.8	126.2	117.2	118.1	116.3	113.6
97.5°	86.6	85.7	89.3	94.7	103.7	108.2	104.6	96.5	95.6	92.9	92.0
100°	68.5	69.4	74.8	81.1	86.6	90.2	87.5	79.3	75.7	71.2	70.3
102.5°	53.2	55.0	62.2	67.6	73.0	75.7	73.0	66.7	60.4	55.9	55.0
105°	41.5	43.3	51.4	56.8	61.3	63.1	61.3	54.1	47.8	42.4	42.4
107.5°	32.5	34.3	42.4	48.7	51.4	53.2	50.5	45.1	37.9	33.4	33.4
110°	26.1	27.9	35.2	40.6	43.3	45.1	42.4	36.1	30.7	27.0	27.0



REPORT NUMBER: P417097

CATALOG NUMBER: LXF.LXT-PA1-90-727-U-T4W-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	20.7	23.4	28.9	34.3	37.0	37.9	35.2	30.7	24.3	22.5	22.5
115°	18.0	19.8	24.3	28.9	31.6	31.6	29.8	25.2	19.8	18.9	18.9
117.5°	15.3	17.1	20.7	25.2	27.0	27.0	25.2	20.7	17.1	16.2	16.2
120°	14.4	15.3	18.0	21.6	23.4	23.4	21.6	18.0	14.4	14.4	14.4
122.5°	12.6	13.5	16.2	18.9	20.7	20.7	18.9	15.3	12.6	13.5	13.5
125°	11.7	12.6	14.4	16.2	18.0	18.0	16.2	13.5	11.7	11.7	11.7
127.5°	10.8	11.7	12.6	14.4	15.3	15.3	14.4	11.7	10.8	10.8	10.8
130°	9.9	10.8	11.7	12.6	13.5	13.5	11.7	9.9	9.9	9.9	9.9
132.5°	9.9	9.9	9.9	10.8	11.7	11.7	10.8	9.0	9.0	9.0	9.0
135°	9.0	9.0	9.0	9.0	9.9	9.9	9.0	8.1	8.1	8.1	8.1
137.5°	8.1	8.1	8.1	8.1	9.0	9.0	8.1	7.2	7.2	7.2	7.2
140°	7.2	7.2	7.2	6.3	7.2	7.2	6.3	6.3	6.3	6.3	6.3
142.5°	5.4	6.3	5.4	5.4	5.4	5.4	5.4	4.5	5.4	5.4	5.4
145°	5.4	5.4	5.4	4.5	4.5	4.5	4.5	3.6	4.5	4.5	4.5
147.5°	4.5	4.5	4.5	3.6	2.7	3.6	2.7	3.6	3.6	3.6	3.6
150°	4.5	4.5	3.6	3.6	2.7	1.8	1.8	2.7	2.7	2.7	2.7
152.5°	3.6	3.6	3.6	2.7	1.8	0.9	0.9	1.8	1.8	1.8	1.8
155°	3.6	3.6	2.7	2.7	1.8	0.9	0.9	0.9	0.9	0.9	0.9
157.5°	2.7	2.7	2.7	1.8	1.8	0.9	0.0	0.9	0.0	0.0	0.0
160°	2.7	2.7	2.7	1.8	0.9	0.9	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)