

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: P417079

Luminaire Tested: **LXF.LXT-PA1-90-727-U-T2U-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417079
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-25)
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-T2U-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7790 lumens
Efficiency: N/A
Efficacy: 82.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B2 - U3 - G3

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

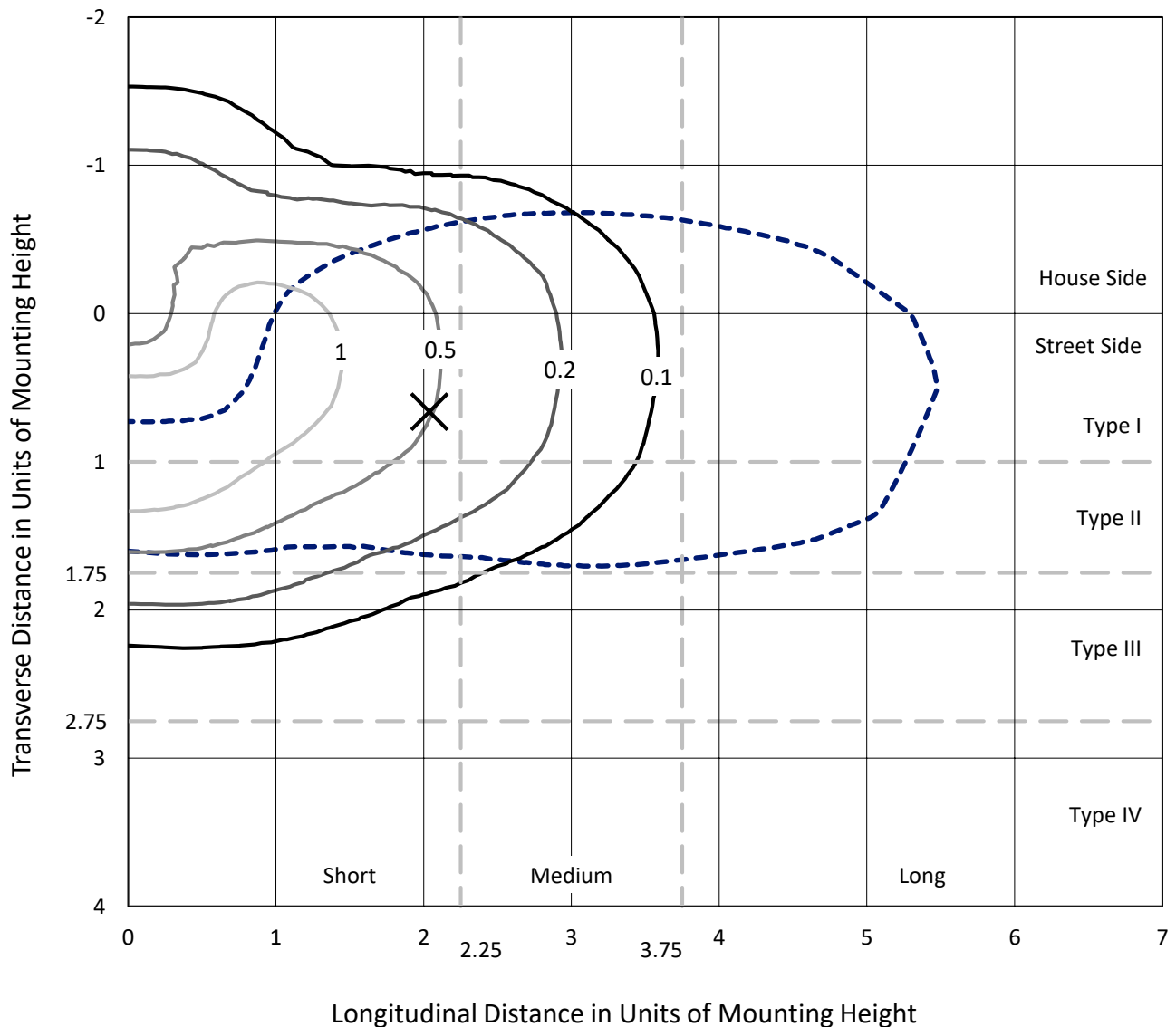


REPORT NUMBER: P417079

CATALOG NUMBER: LXF.LXT-PA1-90-727-U-T2U-TL

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

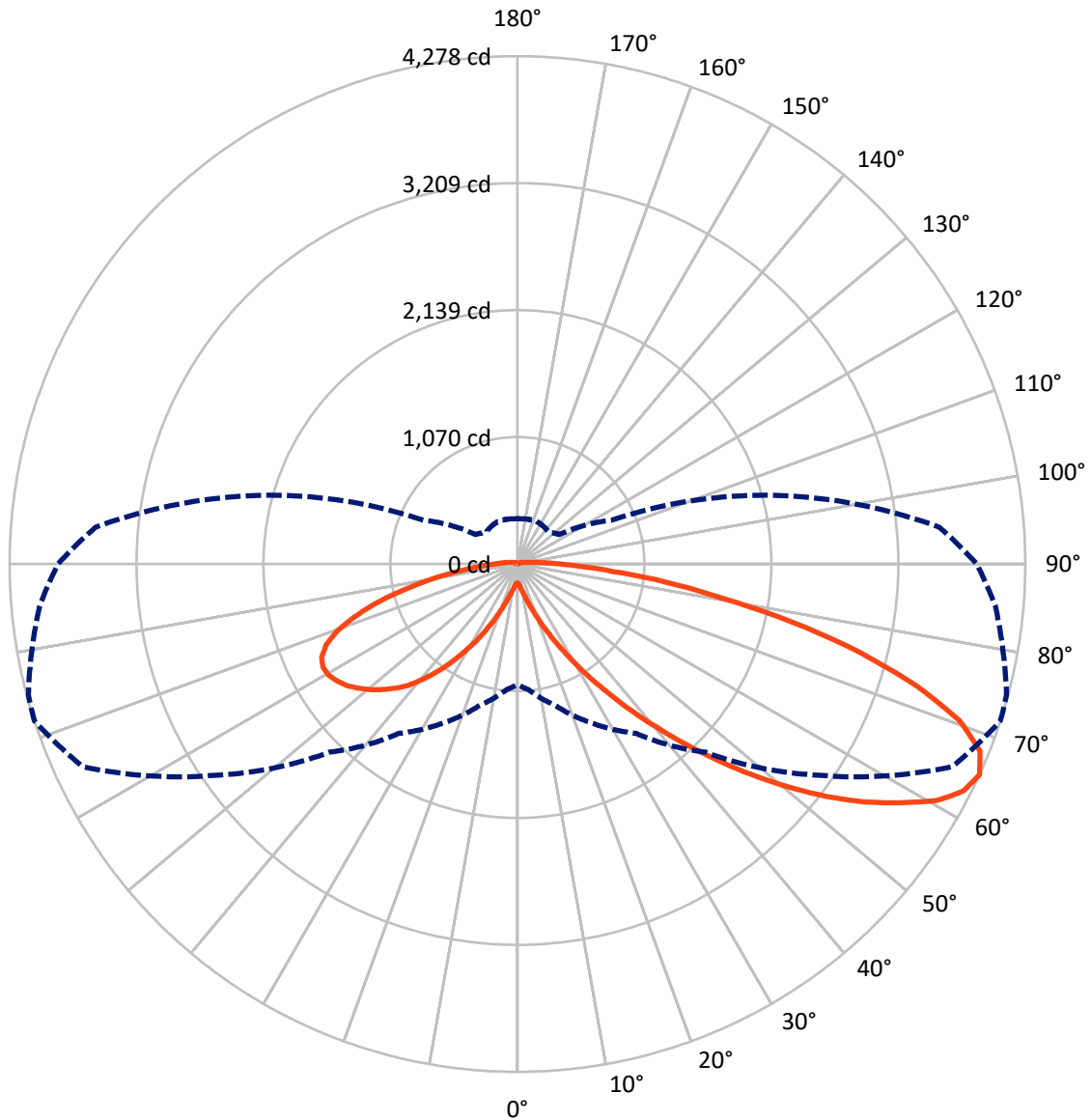


Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type II - Short - Non-Cutoff

REPORT NUMBER: P417079

CATALOG NUMBER: LXF.LXT-PA1-90-727-U-T2U-TL

Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P417079

CATALOG NUMBER: LXF.LXT-PA1-90-727-U-T2U-TL

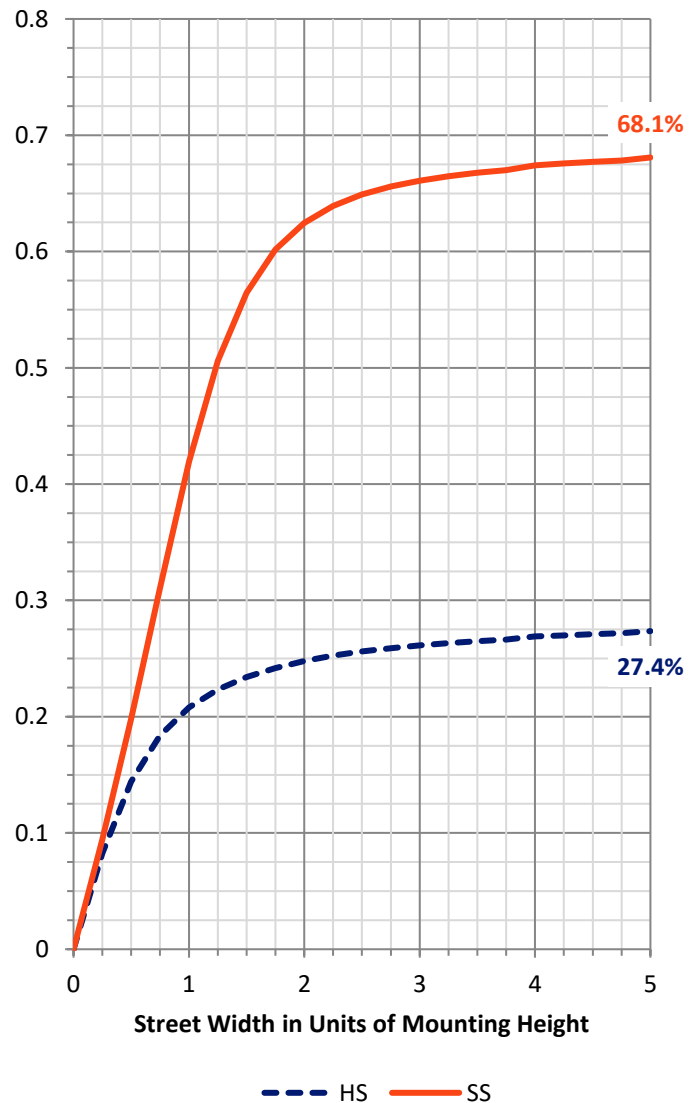
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2196.3	110.5	2306.8
	% Fixture	28.2	1.4	29.6
Street Side	Lumens	5375.4	107.7	5483.1
	% Fixture	69.0	1.4	70.4
Total	Lumens	7571.7	218.2	7790.0
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.5	0.2
10°-20°	94.2	1.2
20°-30°	298.5	3.8
30°-40°	715.3	9.2
40°-50°	1320.7	17.0
50°-60°	1799.6	23.1
60°-70°	1754.6	22.5
70°-80°	1145.9	14.7
80°-90°	424.5	5.4
90°-100°	118.0	1.5
100°-110°	49.5	0.6
110°-120°	24.9	0.3
120°-130°	14.1	0.2
130°-140°	7.9	0.1
140°-150°	3.2	0.0
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7571.7	97.2
0°-180°	7790.0	100.0



REPORT NUMBER: P417079

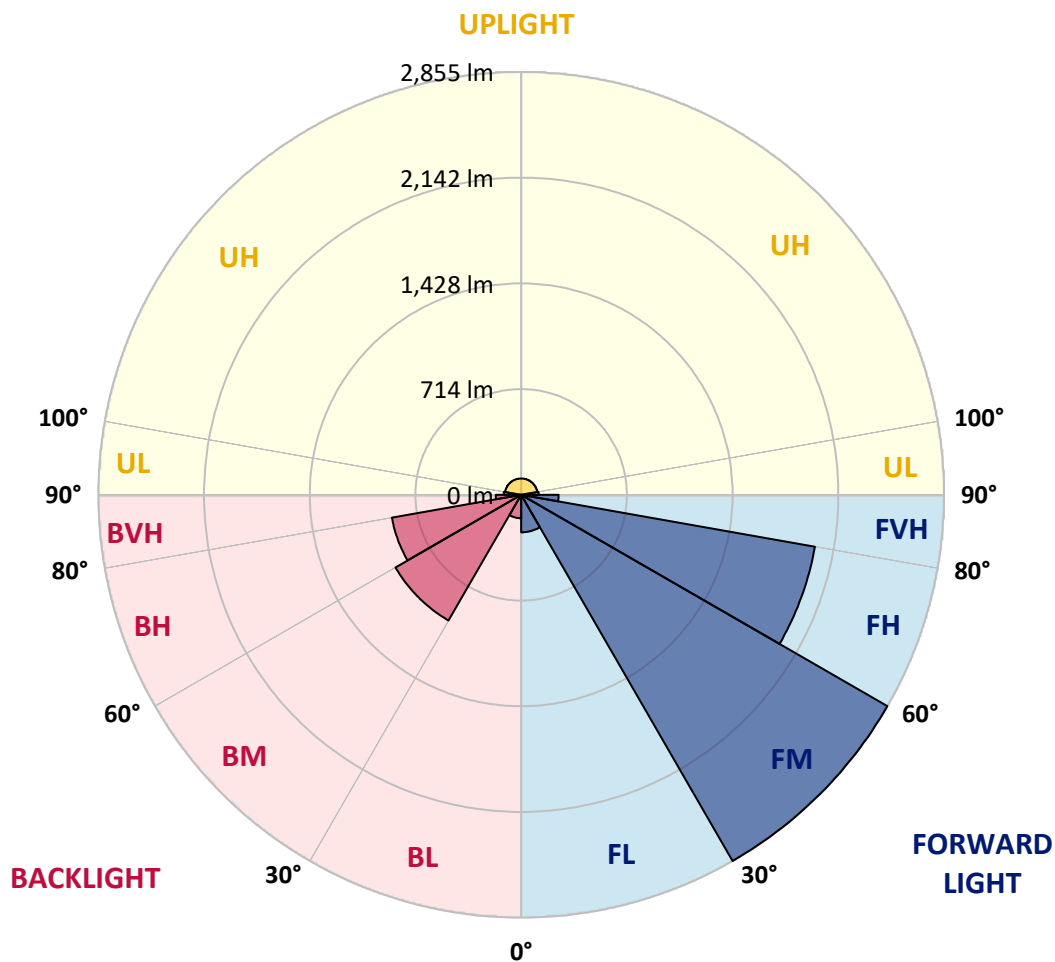
CATALOG NUMBER: LXF.LXT-PA1-90-727-U-T2U-TL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	253.1	3.2			
FM	(30°-60°)	2855.4	36.7			
FH	(60°-80°)	2014.3	25.9			G2/5000
FVH	(80°-90°)	252.7	3.2			G3/500
BL	(0°-30°)	158.2	2.0	B1/500		
BM	(30°-60°)	980.2	12.6	B1/1000		
BH	(60°-80°)	886.2	11.4	B2/1000		G2/1000
BVH	(80°-90°)	171.8	2.2			G2/225
UL	(90°-100°)	118.0	1.5		U3/500	
UH	(100°-180°)	110.5	1.4		U3/500	

BUG Rating: B2-U3-G3

Type II Short





REPORT NUMBER: P417079

CATALOG NUMBER: LXF.LXT-PA1-90-727-U-T2U-TL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	162.3	162.3	162.3	162.3	162.3	162.3	162.3	162.3	162.3	162.3	162.3
2.5°	179.4	178.5	176.7	175.8	175.8	174.0	172.2	169.5	167.7	166.8	165.0
5°	202.9	201.1	199.3	197.5	195.7	192.9	188.4	185.7	182.1	181.2	177.6
7.5°	236.2	234.4	229.0	227.2	224.5	220.9	215.5	210.1	206.5	203.8	198.4
10°	280.4	278.6	275.0	270.5	265.1	257.9	248.8	243.4	234.4	236.2	228.1
12.5°	340.8	336.3	331.8	324.6	313.8	305.6	293.0	287.6	277.7	277.7	267.8
15°	413.8	412.9	403.9	388.6	378.7	361.5	350.7	339.0	332.7	332.7	324.6
17.5°	508.5	502.2	495.0	474.3	451.7	431.0	416.5	408.4	401.2	399.4	388.6
20°	625.7	616.7	605.9	568.9	541.9	516.6	495.9	489.6	484.2	483.3	474.3
22.5°	774.5	755.6	735.7	699.7	656.4	612.2	597.8	583.3	584.2	586.1	565.3
25°	939.5	934.1	898.9	847.5	790.7	742.0	702.4	697.0	702.4	698.8	690.6
27.5°	1151.4	1133.3	1089.2	1023.3	933.2	876.4	834.0	830.4	831.3	835.8	822.3
30°	1398.4	1389.4	1333.5	1223.5	1107.2	1031.5	985.5	979.2	990.0	990.9	970.1
32.5°	1689.6	1671.6	1585.9	1463.3	1304.6	1208.2	1155.9	1154.1	1165.8	1168.5	1152.3
35°	1984.5	1975.4	1890.7	1714.9	1540.9	1394.8	1341.6	1345.2	1353.3	1369.6	1350.6
37.5°	2324.4	2300.0	2190.9	2005.2	1785.2	1610.3	1553.5	1566.1	1578.7	1578.7	1552.6
40°	2645.4	2636.3	2521.8	2288.3	2025.0	1862.7	1800.5	1807.7	1806.8	1807.7	1773.5
42.5°	2942.9	2912.2	2811.3	2563.3	2291.9	2126.9	2052.1	2063.8	2074.6	2082.7	1996.2
45°	3143.9	3117.8	3028.5	2784.2	2544.4	2388.4	2339.7	2339.7	2352.3	2348.7	2263.1
47.5°	3215.2	3211.6	3144.9	2959.1	2739.1	2618.3	2621.0	2630.9	2649.9	2632.7	2510.1
50°	3181.8	3167.4	3155.7	3052.0	2900.5	2842.8	2896.9	2947.4	2949.2	2918.5	2762.6
52.5°	2972.6	2974.4	3034.0	3015.0	2945.6	3004.2	3169.2	3258.5	3250.3	3220.6	3033.0
55°	2654.4	2668.8	2772.5	2851.8	2894.2	3056.5	3371.2	3556.0	3538.0	3496.5	3306.2
57.5°	2230.6	2277.5	2416.3	2589.5	2740.9	3007.8	3481.2	3813.9	3794.9	3794.9	3578.5
60°	1779.8	1817.7	2022.3	2233.3	2472.2	2843.7	3492.0	4003.2	4049.2	4020.3	3771.5
62.5°	1380.4	1396.6	1608.5	1874.5	2130.5	2567.8	3367.6	4093.4	4215.1	4190.7	3944.6
65°	1016.1	1062.1	1233.4	1476.9	1741.9	2242.3	3101.6	4040.2	4278.2	4265.6	4040.2
67.5°	755.6	776.3	919.7	1145.1	1407.4	1837.5	2713.9	3807.5	4202.5	4213.3	4025.7
70°	566.2	571.6	683.4	869.2	1092.8	1449.8	2262.2	3436.1	3950.9	3999.6	3896.8
72.5°	428.3	438.2	531.1	677.1	843.0	1116.2	1787.9	2931.2	3521.7	3642.5	3603.8
75°	335.4	347.1	411.1	523.8	651.9	844.8	1353.3	2334.3	2983.5	3139.4	3182.7
77.5°	265.1	277.7	331.8	418.4	508.5	651.9	994.5	1746.4	2383.0	2539.0	2665.2
80°	208.3	217.3	265.1	329.1	400.3	481.5	697.0	1269.5	1750.0	1944.8	2060.2
82.5°	158.7	168.6	205.6	259.7	313.8	367.9	497.7	863.8	1269.5	1357.8	1554.4
85°	115.4	124.4	155.1	199.3	241.6	284.9	364.3	576.1	808.8	914.2	1013.4
87.5°	84.8	88.4	115.4	147.9	185.7	215.5	262.4	367.9	513.9	566.2	649.2
90°	59.5	63.1	84.8	109.1	140.7	168.6	192.9	243.4	320.1	367.0	382.3
92.5°	44.2	46.9	63.1	82.0	108.2	130.7	146.1	172.2	208.3	228.1	240.7
95°	33.4	36.1	49.6	64.9	83.9	102.8	114.5	124.4	145.2	150.6	161.4
97.5°	27.0	28.9	40.6	53.2	67.6	84.8	91.1	96.5	103.7	109.1	113.6
100°	23.4	24.3	34.3	45.1	57.7	68.5	73.9	76.6	81.1	82.9	84.8
102.5°	20.7	20.7	29.8	38.8	49.6	57.7	62.2	62.2	63.1	64.0	63.1
105°	18.0	18.9	26.1	34.3	42.4	49.6	53.2	51.4	50.5	49.6	46.9
107.5°	17.1	17.1	23.4	30.7	37.9	43.3	46.0	42.4	40.6	38.8	36.1
110°	15.3	16.2	20.7	27.0	33.4	37.9	39.7	36.1	32.5	30.7	28.0



REPORT NUMBER: P417079

CATALOG NUMBER: LXF.LXT-PA1-90-727-U-T2U-TL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	14.4	15.3	18.9	24.3	29.8	34.3	34.3	30.7	26.1	24.3	22.5
115°	14.4	14.4	17.1	21.6	27.0	30.7	30.7	26.1	21.6	19.8	18.9
117.5°	14.4	14.4	16.2	19.8	24.3	27.0	27.0	22.5	18.0	16.2	16.2
120°	13.5	13.5	15.3	18.0	22.5	24.3	23.4	19.8	15.3	14.4	14.4
122.5°	13.5	13.5	14.4	17.1	20.7	22.5	21.6	17.1	13.5	11.7	12.6
125°	14.4	13.5	14.4	16.2	18.9	19.8	18.9	14.4	11.7	10.8	11.7
127.5°	14.4	14.4	13.5	15.3	17.1	18.0	17.1	12.6	9.9	9.9	10.8
130°	14.4	14.4	13.5	14.4	15.3	16.2	14.4	10.8	9.0	9.0	9.9
132.5°	14.4	14.4	13.5	13.5	14.4	14.4	12.6	9.0	8.1	8.1	9.0
135°	14.4	14.4	12.6	12.6	12.6	12.6	10.8	8.1	7.2	7.2	8.1
137.5°	13.5	13.5	12.6	11.7	11.7	10.8	9.0	6.3	5.4	6.3	7.2
140°	12.6	12.6	11.7	9.9	9.9	9.0	7.2	5.4	4.5	5.4	5.4
142.5°	11.7	11.7	10.8	9.0	8.1	7.2	6.3	3.6	3.6	3.6	4.5
145°	10.8	10.8	9.9	7.2	6.3	5.4	4.5	2.7	2.7	2.7	3.6
147.5°	9.0	9.0	8.1	6.3	4.5	4.5	2.7	1.8	2.7	2.7	2.7
150°	7.2	7.2	6.3	4.5	3.6	2.7	0.9	1.8	1.8	1.8	2.7
152.5°	6.3	6.3	4.5	3.6	1.8	0.9	0.9	0.9	1.8	1.8	1.8
155°	4.5	4.5	3.6	1.8	0.9	0.0	0.9	0.9	0.9	0.9	0.9
157.5°	2.7	2.7	1.8	0.9	0.0	0.0	0.0	0.9	0.9	0.9	0.9
160°	0.9	0.9	0.0	0.0	0.0	0.0	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



REPORT NUMBER: P417079

CATALOG NUMBER: LXF.LXT-PA1-90-727-U-T2U-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	162.3	162.3	162.3	162.3	162.3	162.3	162.3	162.3	162.3	162.3	162.3
2.5°	163.2	163.2	162.3	161.4	160.5	159.6	157.8	156.9	156.9	156.0	156.0
5°	175.8	174.9	172.2	169.5	165.9	164.1	161.4	159.6	158.7	157.8	157.8
7.5°	195.7	193.8	188.4	183.9	179.4	175.8	171.3	168.6	167.7	165.0	165.9
10°	223.6	220.9	214.6	206.5	198.4	192.9	186.6	183.0	181.2	179.4	177.6
12.5°	264.2	258.8	247.9	237.1	225.4	214.6	208.3	205.6	207.4	206.5	207.4
15°	320.1	310.2	293.9	277.7	257.0	243.4	241.6	240.7	240.7	241.6	243.4
17.5°	383.2	372.4	351.6	321.9	297.5	284.0	275.9	275.0	279.5	280.4	279.5
20°	466.1	455.3	422.9	382.3	347.1	325.5	314.7	314.7	321.0	322.8	326.4
22.5°	555.4	549.1	504.9	449.0	402.1	367.0	351.6	353.4	362.5	365.2	367.0
25°	679.8	654.6	600.5	523.8	456.2	409.3	388.6	389.5	399.4	406.6	409.3
27.5°	816.9	788.0	708.7	608.6	510.3	444.5	421.1	422.0	433.7	442.7	444.5
30°	963.8	935.0	831.3	692.4	560.8	476.1	444.5	445.4	458.9	468.8	470.6
32.5°	1120.7	1097.3	952.1	782.6	605.0	497.7	459.8	460.7	472.4	481.5	483.3
35°	1319.1	1265.9	1095.5	862.9	642.0	511.2	467.0	466.1	477.9	486.9	488.7
37.5°	1514.7	1457.9	1231.6	937.7	663.6	514.8	465.2	465.2	474.3	481.5	482.4
40°	1727.5	1632.8	1375.0	996.3	671.7	509.4	459.8	458.9	466.1	469.7	470.6
42.5°	1956.5	1840.2	1515.6	1043.2	668.1	497.7	449.9	450.8	453.5	453.5	452.6
45°	2163.0	2044.9	1636.4	1073.8	655.5	482.4	438.2	439.1	440.0	432.8	432.8
47.5°	2405.5	2262.2	1750.0	1081.0	630.2	467.0	429.2	431.0	426.5	416.5	414.7
50°	2635.4	2475.8	1864.6	1078.3	604.1	450.8	420.2	422.0	413.8	400.3	397.6
52.5°	2891.5	2686.8	1972.7	1064.8	572.5	436.4	413.8	415.6	406.6	390.4	387.7
55°	3143.9	2910.4	2071.9	1041.4	545.5	421.1	407.5	412.0	400.3	384.1	383.2
57.5°	3384.7	3132.2	2154.0	1007.1	516.6	410.2	403.0	408.4	397.6	381.4	380.5
60°	3599.3	3320.7	2219.8	973.7	485.1	399.4	398.5	405.7	395.8	382.3	381.4
62.5°	3749.8	3490.2	2249.5	928.7	459.8	387.7	393.1	400.3	393.1	382.3	382.3
65°	3869.8	3565.9	2237.8	869.2	432.8	375.1	385.9	393.1	388.6	381.4	382.3
67.5°	3847.2	3564.1	2161.2	797.9	407.5	361.5	373.3	383.2	379.6	376.9	376.0
70°	3708.4	3395.5	2014.2	720.4	381.4	344.4	357.9	367.9	367.0	366.1	366.1
72.5°	3422.5	3103.4	1794.2	631.1	354.3	326.4	338.1	347.1	348.9	348.0	345.3
75°	3049.3	2701.3	1539.1	547.3	326.4	304.7	317.4	322.8	325.5	323.7	323.7
77.5°	2502.0	2252.2	1223.5	462.5	296.6	280.4	289.4	293.9	297.5	293.0	290.3
80°	1988.1	1713.1	941.3	377.8	264.2	253.4	257.9	259.7	263.3	258.8	253.4
82.5°	1395.7	1220.8	682.5	308.4	231.7	222.7	225.4	224.5	226.3	220.0	212.8
85°	932.3	820.5	469.7	247.9	198.4	190.2	190.2	187.5	185.7	179.4	174.0
87.5°	585.2	519.3	322.8	195.7	166.8	160.5	156.9	151.5	149.7	145.2	138.8
90°	360.6	331.8	225.4	156.9	138.8	133.4	129.8	121.7	120.8	113.6	109.1
92.5°	236.2	216.4	166.8	127.1	116.3	110.9	106.4	99.2	98.3	92.9	90.2
95°	156.0	151.5	127.1	106.4	98.3	93.8	89.3	82.9	81.1	75.7	72.1
97.5°	114.5	114.5	104.6	90.2	83.9	79.3	76.6	71.2	67.6	62.2	60.4
100°	86.6	87.5	83.9	77.5	72.1	67.6	64.9	60.4	57.7	52.3	51.4
102.5°	66.7	68.5	69.4	65.8	62.2	58.6	55.9	52.3	48.7	43.3	42.4
105°	51.4	53.2	56.8	55.9	54.1	51.4	48.7	45.1	40.6	36.1	36.1
107.5°	39.7	41.5	46.9	47.8	46.9	44.2	42.4	38.8	35.2	30.7	30.7
110°	30.7	33.4	38.8	40.6	40.6	38.8	37.0	33.4	28.9	26.1	26.1



REPORT NUMBER: P417079

CATALOG NUMBER: LXF.LXT-PA1-90-727-U-T2U-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	25.2	28.0	32.5	35.2	35.2	34.3	31.6	28.0	24.3	22.5	22.5
115°	20.7	23.4	28.0	30.7	30.7	29.8	28.0	24.3	20.7	19.8	19.8
117.5°	18.0	19.8	23.4	26.1	27.0	26.1	24.3	20.7	18.0	18.0	18.0
120°	16.2	18.0	20.7	22.5	23.4	22.5	20.7	18.0	15.3	16.2	16.2
122.5°	14.4	15.3	18.0	20.7	20.7	20.7	18.9	15.3	13.5	14.4	14.4
125°	12.6	14.4	16.2	18.0	18.9	18.0	16.2	13.5	11.7	12.6	13.5
127.5°	11.7	12.6	14.4	16.2	16.2	16.2	14.4	11.7	10.8	11.7	11.7
130°	10.8	11.7	12.6	14.4	14.4	14.4	12.6	9.9	9.9	10.8	10.8
132.5°	9.9	10.8	11.7	12.6	12.6	12.6	10.8	9.0	8.1	9.9	9.9
135°	9.0	9.0	9.9	10.8	10.8	10.8	9.0	7.2	7.2	9.0	9.0
137.5°	7.2	8.1	9.0	9.0	9.0	9.0	7.2	6.3	6.3	7.2	7.2
140°	6.3	6.3	7.2	7.2	7.2	7.2	6.3	4.5	5.4	6.3	6.3
142.5°	5.4	5.4	6.3	6.3	6.3	5.4	4.5	3.6	4.5	5.4	5.4
145°	3.6	4.5	4.5	4.5	4.5	3.6	2.7	2.7	3.6	4.5	4.5
147.5°	3.6	3.6	3.6	3.6	3.6	2.7	1.8	1.8	2.7	3.6	3.6
150°	2.7	2.7	3.6	3.6	2.7	1.8	0.9	0.9	1.8	2.7	2.7
152.5°	1.8	1.8	2.7	2.7	1.8	0.9	0.0	0.0	0.9	0.9	0.9
155°	1.8	1.8	1.8	1.8	1.8	0.9	0.0	0.0	0.0	0.0	0.0
157.5°	0.9	0.9	1.8	1.8	0.9	0.9	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.9	0.9	0.9	0.9	0.0	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)