

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: P417055

Luminaire Tested: **LXF.LXT-PA1-90-727-U-SL3-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417055
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-2)
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-SL3-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7689.9 lumens
Efficiency: N/A
Efficacy: 81.8 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

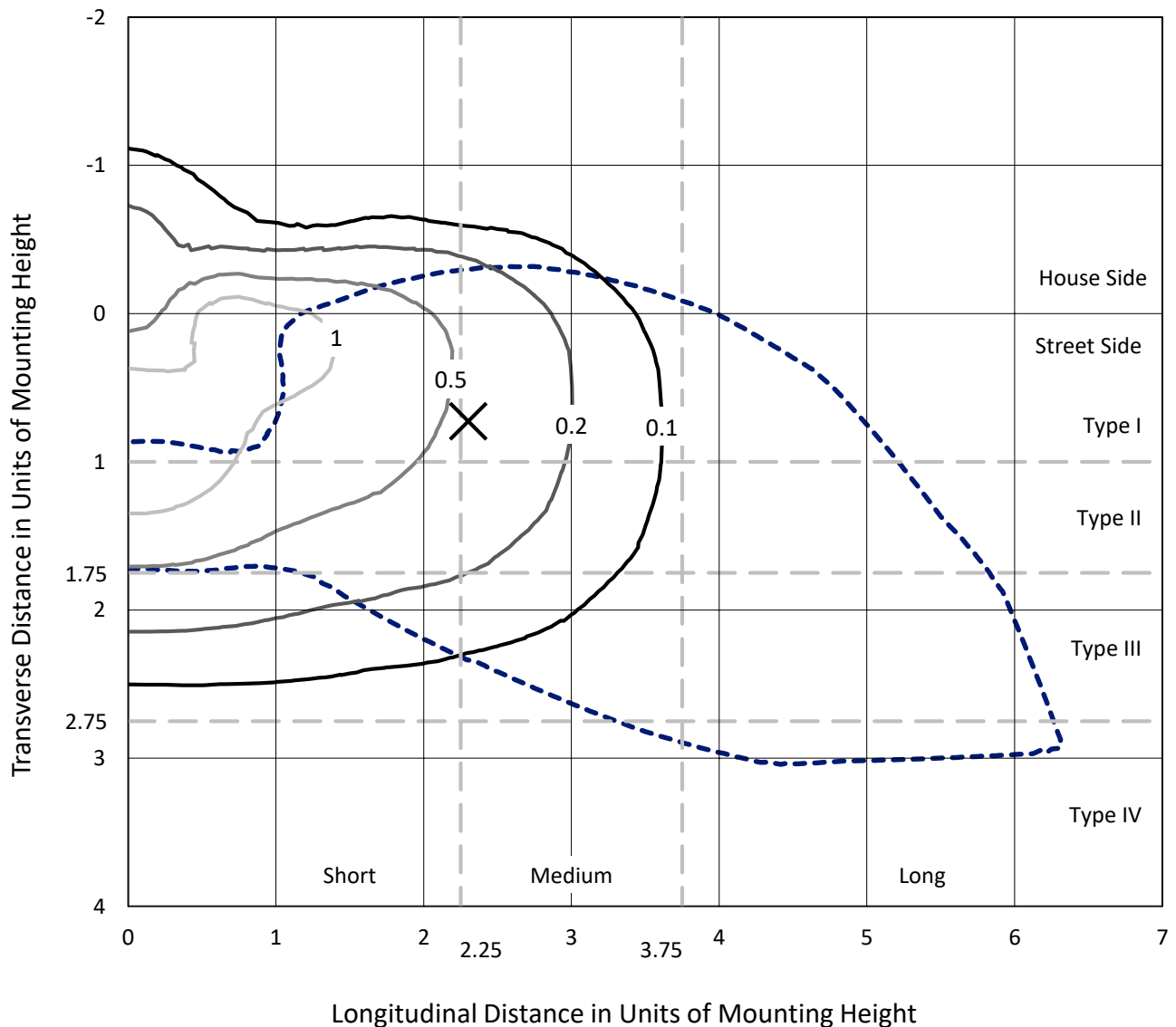
Input Watts (W): 94
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P417055
 CATALOG NUMBER: LXF.LXT-PA1-90-727-U-SL3-A

Iso-Footcandle Lines of Horizontal Illumination

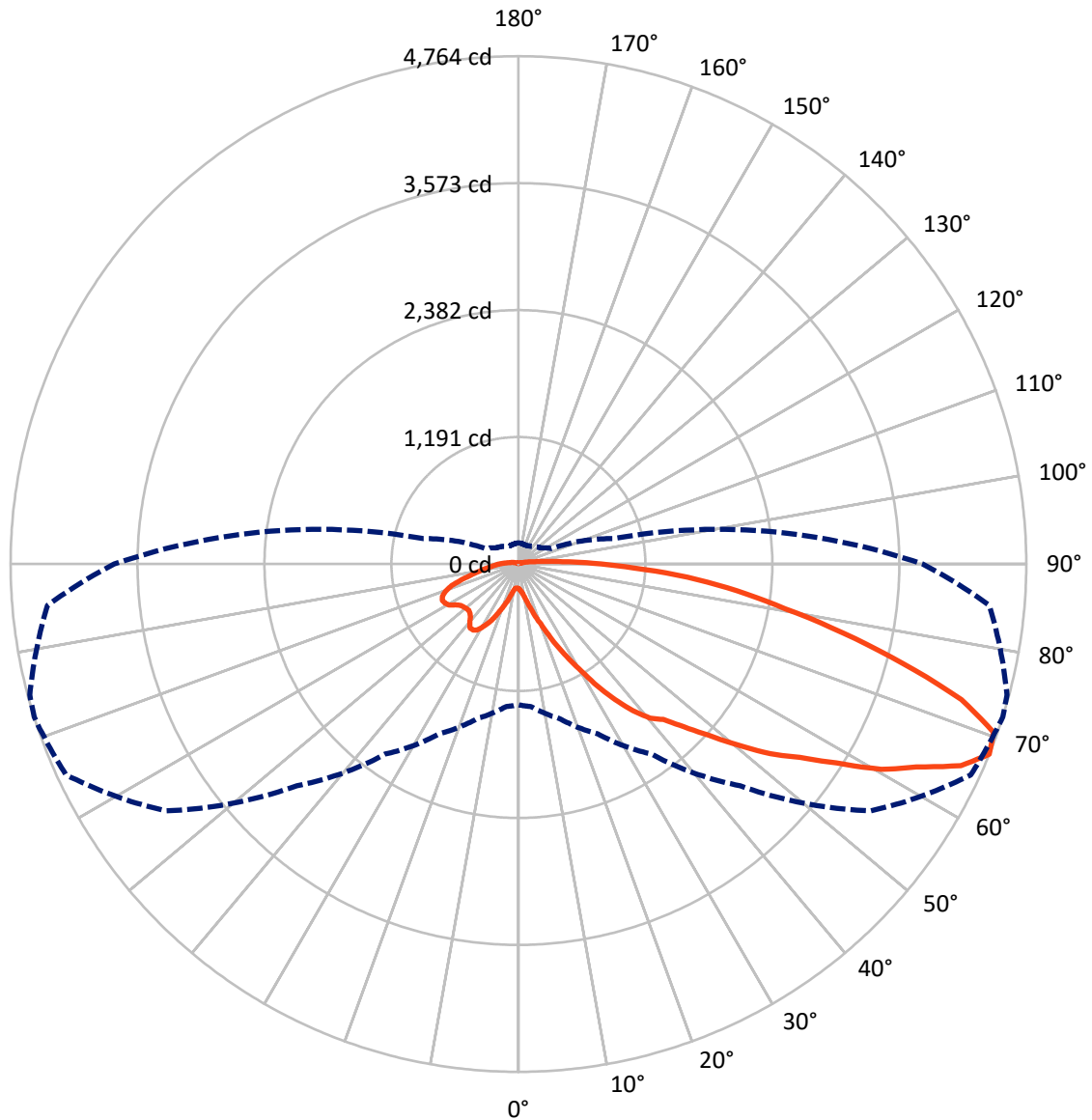
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P417055
CATALOG NUMBER: LXF.LXT-PA1-90-727-U-SL3-A

Luminous Intensity Polar Plot



— Vertical Plane Through 72.5-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P417055

CATALOG NUMBER: LXF.LXT-PA1-90-727-U-SL3-A

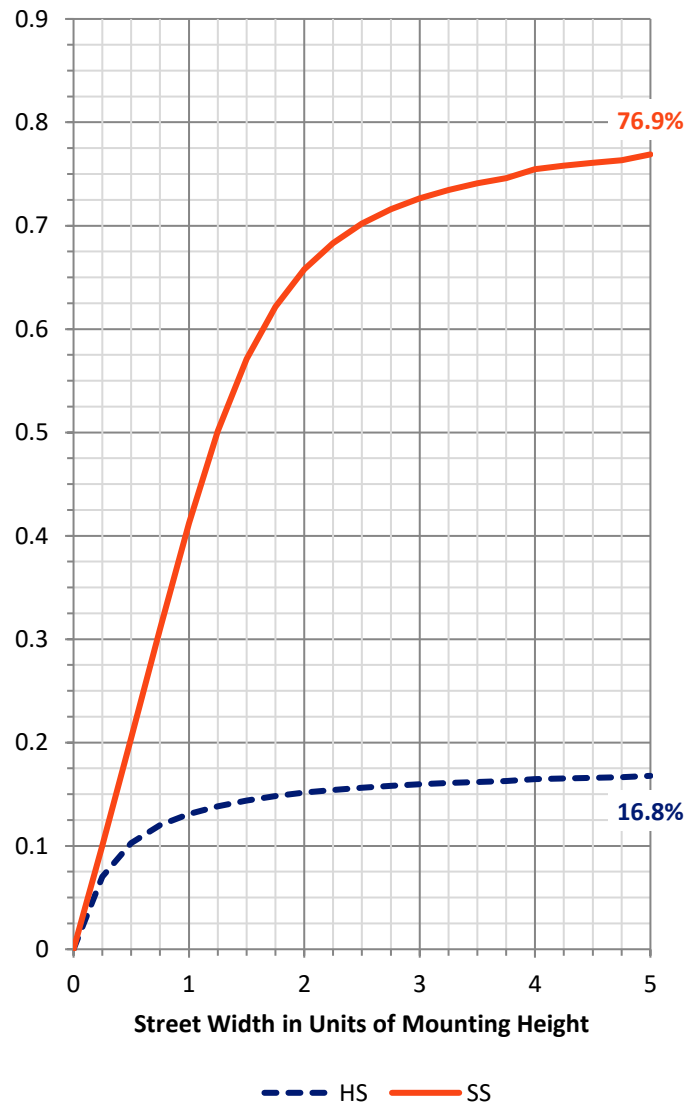
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1345.5	118.2	1463.8
	% Fixture	17.5	1.5	19.0
Street Side	Lumens	6058.9	167.2	6226.2
	% Fixture	78.8	2.2	81.0
Total	Lumens	7404.5	285.4	7689.9
	% Fixture	96.3	3.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.1	0.3
10°-20°	103.8	1.3
20°-30°	287.6	3.7
30°-40°	618.4	8.0
40°-50°	1046.7	13.6
50°-60°	1535.7	20.0
60°-70°	1831.5	23.8
70°-80°	1367.7	17.8
80°-90°	589.0	7.7
90°-100°	170.9	2.2
100°-110°	55.6	0.7
110°-120°	26.0	0.3
120°-130°	15.9	0.2
130°-140°	10.2	0.1
140°-150°	4.5	0.1
150°-160°	1.6	0.0
160°-170°	0.6	0.0
170°-180°	0.2	0.0
0°-90°	7404.5	96.3
0°-180°	7689.9	100.0

Coefficient of Utilization



REPORT NUMBER: P417055

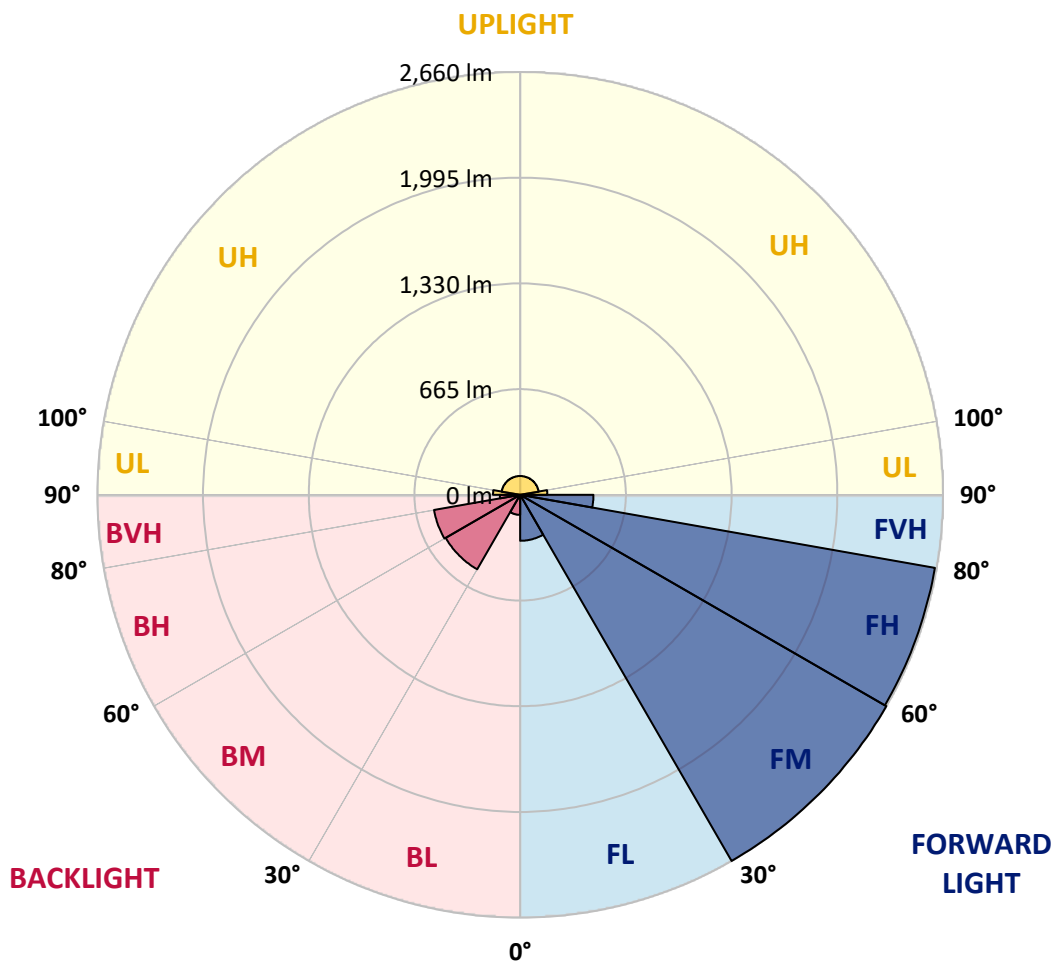
CATALOG NUMBER: LXF.LXT-PA1-90-727-U-SL3-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	289.4	3.8			
FM (30°-60°)	2659.7	34.6			
FH (60°-80°)	2649.1	34.4			G2/5000
FVH (80°-90°)	460.7	6.0			G3/500
BL (0°-30°)	126.1	1.6	B1/500		
BM (30°-60°)	541.1	7.0	B1/1000		
BH (60°-80°)	550.1	7.2	B2/1000		G2/1000
BVH (80°-90°)	128.3	1.7			G2/225
UL (90°-100°)	170.9	2.2		U3/500	
UH (100°-180°)	118.2	1.5		U3/500	

BUG Rating: B2-U3-G3

Type IV Medium





REPORT NUMBER: P417055

CATALOG NUMBER: LXF.LXT-PA1-90-727-U-SL3-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
0°	230.8	230.8	230.8	230.8	230.8	230.8	230.8	230.8	230.8	230.8	230.8
2.5°	252.5	254.3	256.1	255.2	254.3	251.5	247.0	242.5	238.0	238.0	234.4
5°	288.5	287.6	286.7	287.6	283.1	276.8	269.6	261.5	255.2	253.4	244.3
7.5°	330.0	328.2	330.0	324.6	318.3	310.2	299.3	288.5	277.7	275.9	261.5
10°	379.6	377.8	376.9	372.4	360.6	348.9	338.1	321.0	312.9	310.2	291.2
12.5°	441.8	440.9	435.5	426.5	411.1	399.4	384.1	375.1	367.0	360.6	341.7
15°	513.0	514.8	508.5	489.6	470.6	452.6	445.4	438.2	431.9	429.2	412.9
17.5°	613.1	609.5	595.1	566.2	535.6	521.1	514.8	510.3	516.6	514.8	489.6
20°	736.6	727.6	705.1	655.5	617.6	594.2	588.7	596.9	600.5	609.5	592.4
22.5°	881.8	870.1	832.2	776.3	721.3	677.1	671.7	696.0	718.6	721.3	714.1
25°	1023.3	1012.5	979.1	906.1	832.2	773.6	761.0	815.1	860.1	868.2	878.2
27.5°	1168.5	1163.1	1114.4	1035.0	953.9	880.0	878.2	936.8	1007.1	1026.0	1043.2
30°	1333.5	1346.1	1284.8	1184.7	1082.8	997.2	992.7	1079.2	1165.8	1206.4	1235.2
32.5°	1566.1	1555.3	1478.6	1366.8	1215.4	1115.3	1121.6	1222.6	1368.6	1402.9	1440.8
35°	1833.0	1836.6	1732.0	1558.0	1379.5	1255.9	1251.4	1392.1	1561.6	1590.4	1653.5
37.5°	2052.1	2070.1	1992.6	1792.4	1563.4	1403.8	1410.1	1567.9	1746.4	1804.1	1859.1
40°	2287.4	2303.6	2213.4	2018.7	1763.5	1567.0	1576.0	1729.3	1899.7	1946.6	1960.1
42.5°	2544.3	2560.6	2451.5	2220.7	1932.1	1763.5	1728.4	1845.6	1994.4	2053.0	2064.7
45°	2785.1	2813.0	2703.0	2431.6	2120.6	1940.3	1887.1	1981.7	2176.5	2230.6	2243.2
47.5°	2859.0	2892.4	2844.6	2622.8	2300.9	2092.6	2057.5	2189.1	2399.2	2479.4	2463.2
50°	2930.2	2960.9	2932.0	2735.5	2450.6	2269.3	2277.5	2430.7	2668.8	2771.5	2758.9
52.5°	2941.0	2972.6	2942.8	2804.9	2578.6	2447.9	2538.0	2719.2	2955.5	3030.3	3012.3
55°	2959.1	2979.8	2952.8	2796.8	2671.5	2638.1	2808.5	3015.0	3202.5	3291.8	3262.0
57.5°	2708.4	2716.5	2814.8	2773.3	2691.3	2849.1	3113.3	3299.9	3520.8	3654.2	3638.9
60°	2347.8	2364.9	2486.6	2582.2	2677.8	2999.6	3412.6	3694.8	3911.2	3998.6	3915.7
62.5°	2051.2	2070.1	2198.1	2320.7	2563.3	3066.4	3725.4	4048.2	4190.7	4270.0	4171.7
65°	1652.6	1667.1	1823.1	2063.8	2376.6	3040.2	3959.9	4416.1	4559.4	4591.0	4400.7
67.5°	1320.9	1342.5	1501.2	1758.1	2176.5	2941.0	4036.5	4681.1	4764.1	4745.2	4434.1
70°	982.8	993.6	1187.4	1513.8	1939.4	2724.7	3963.5	4740.7	4728.0	4703.7	4277.2
72.5°	677.1	675.3	857.4	1175.7	1692.3	2477.6	3623.6	4404.4	4344.8	4281.7	3741.7
75°	437.3	461.6	575.2	854.7	1368.6	2120.6	3183.6	3824.6	3723.6	3623.6	3082.6
77.5°	294.8	312.0	403.9	612.2	1045.9	1783.4	2740.0	3284.6	3116.0	3024.9	2488.4
80°	202.9	210.1	280.4	449.9	778.1	1414.6	2244.1	2718.3	2534.4	2426.2	1931.2
82.5°	142.5	147.9	195.6	331.8	586.0	1056.7	1791.5	2261.2	2068.3	1989.8	1500.3
85°	102.8	106.4	140.7	247.0	445.4	793.4	1363.2	1759.0	1591.3	1530.9	1072.0
87.5°	76.6	80.2	106.4	183.0	342.6	603.2	1017.0	1259.5	1079.2	1000.8	677.1
90°	56.8	60.4	82.0	137.0	267.8	454.4	736.6	861.0	700.5	634.7	431.9
92.5°	42.4	45.1	61.3	100.1	204.7	348.0	519.3	544.6	414.7	377.8	272.3
95°	31.6	33.4	46.0	73.0	146.1	253.4	339.9	318.3	244.3	221.8	172.2
97.5°	26.1	27.0	36.1	55.9	102.8	177.6	218.2	195.6	157.8	147.0	119.0
100°	21.6	22.5	28.9	42.4	74.8	121.7	144.3	127.1	110.0	105.5	92.9
102.5°	18.9	19.8	24.3	35.2	55.9	87.5	100.1	91.1	81.1	77.5	72.1
105°	17.1	17.1	21.6	29.8	46.0	65.8	73.0	66.7	60.4	58.6	57.7
107.5°	15.3	15.3	18.9	26.1	37.9	51.4	55.0	49.6	44.2	43.3	46.0
110°	14.4	14.4	17.1	23.4	32.5	42.4	43.3	37.0	33.4	33.4	37.0



REPORT NUMBER: P417055

CATALOG NUMBER: LXF.LXT-PA1-90-727-U-SL3-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	13.5	13.5	16.2	20.7	28.9	35.2	34.3	28.9	26.1	26.1	30.7
115°	13.5	13.5	15.3	19.8	25.2	29.8	27.9	23.4	21.6	21.6	26.1
117.5°	13.5	14.4	15.3	18.9	23.4	26.1	24.3	19.8	18.9	18.9	23.4
120°	14.4	14.4	15.3	18.9	21.6	22.5	20.7	17.1	16.2	17.1	21.6
122.5°	14.4	14.4	16.2	18.9	20.7	20.7	18.0	15.3	15.3	15.3	19.8
125°	15.3	15.3	16.2	18.9	19.8	18.9	16.2	14.4	14.4	15.3	18.0
127.5°	16.2	16.2	17.1	18.9	18.9	17.1	15.3	13.5	13.5	14.4	18.0
130°	18.0	18.0	18.0	18.9	17.1	15.3	13.5	12.6	13.5	14.4	18.0
132.5°	18.0	18.0	18.0	18.0	16.2	13.5	12.6	11.7	13.5	14.4	17.1
135°	16.2	16.2	16.2	16.2	14.4	11.7	10.8	10.8	12.6	13.5	16.2
137.5°	14.4	14.4	14.4	13.5	12.6	10.8	9.0	9.0	10.8	11.7	14.4
140°	12.6	12.6	11.7	11.7	10.8	9.0	8.1	8.1	9.0	9.9	11.7
142.5°	9.9	9.9	9.9	9.9	9.0	7.2	6.3	6.3	8.1	9.0	9.9
145°	8.1	8.1	8.1	8.1	7.2	6.3	5.4	5.4	6.3	7.2	8.1
147.5°	6.3	6.3	7.2	7.2	6.3	5.4	3.6	4.5	5.4	5.4	6.3
150°	5.4	5.4	5.4	6.3	4.5	3.6	2.7	3.6	4.5	4.5	5.4
152.5°	4.5	4.5	4.5	4.5	3.6	1.8	2.7	3.6	3.6	4.5	4.5
155°	2.7	2.7	3.6	3.6	2.7	1.8	2.7	2.7	3.6	3.6	4.5
157.5°	1.8	1.8	2.7	2.7	2.7	1.8	1.8	2.7	2.7	2.7	3.6
160°	0.0	0.9	1.8	2.7	2.7	1.8	1.8	1.8	1.8	1.8	2.7
162.5°	0.0	0.9	1.8	2.7	2.7	1.8	1.8	1.8	1.8	1.8	2.7
165°	0.0	0.9	1.8	2.7	2.7	1.8	1.8	1.8	1.8	1.8	2.7
167.5°	0.0	0.9	1.8	2.7	2.7	1.8	1.8	1.8	1.8	1.8	2.7
170°	0.0	0.9	1.8	2.7	2.7	1.8	1.8	1.8	1.8	1.8	2.7
172.5°	0.0	0.9	1.8	2.7	2.7	1.8	1.8	1.8	1.8	1.8	2.7
175°	0.0	0.9	1.8	2.7	2.7	1.8	1.8	1.8	1.8	1.8	2.7
177.5°	0.0	0.9	1.8	2.7	2.7	1.8	1.8	1.8	1.8	1.8	2.7
180°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8



REPORT NUMBER: P417055

CATALOG NUMBER: LXF.LXT-PA1-90-727-U-SL3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	230.8	230.8	230.8	230.8	230.8	230.8	230.8	230.8	230.8	230.8	230.8
2.5°	231.7	229.9	226.3	222.7	219.1	215.5	214.6	212.8	211.9	211.0	211.9
5°	240.7	235.3	227.2	219.1	211.9	205.6	201.1	196.6	192.9	191.1	191.1
7.5°	257.0	247.9	234.4	220.9	208.3	197.5	190.2	183.9	179.4	177.6	176.7
10°	282.2	271.4	251.5	229.9	211.0	194.7	183.9	176.7	172.2	169.5	169.5
12.5°	326.4	313.8	282.2	248.8	218.2	195.6	181.2	174.0	169.5	168.6	169.5
15°	395.8	376.0	330.0	282.2	235.3	197.5	179.4	176.7	178.5	179.4	179.4
17.5°	477.0	449.9	391.3	319.2	254.3	205.6	186.6	184.8	187.5	190.2	192.0
20°	568.0	532.9	448.1	354.3	266.9	217.3	193.8	190.2	196.6	202.0	201.1
22.5°	683.4	641.0	520.2	381.4	275.9	220.0	196.6	192.9	203.8	210.1	211.9
25°	834.9	774.5	605.0	410.2	281.3	216.4	194.7	195.6	211.9	224.5	227.2
27.5°	999.9	912.4	683.4	433.7	281.3	207.4	192.0	202.9	225.4	241.6	243.4
30°	1180.2	1058.5	751.9	451.7	273.2	198.4	189.3	206.5	229.0	246.1	247.9
32.5°	1372.2	1210.0	823.2	458.0	261.5	191.1	186.6	203.8	222.7	238.0	241.6
35°	1542.7	1345.2	851.1	449.0	245.2	185.7	180.3	194.7	213.7	232.6	233.5
37.5°	1720.3	1474.1	863.7	423.8	229.0	180.3	174.9	188.4	211.0	233.5	236.2
40°	1796.0	1507.5	827.7	388.6	213.7	176.7	172.2	187.5	211.9	234.4	238.0
42.5°	1873.5	1539.9	783.5	338.1	203.8	175.8	174.9	187.5	207.4	225.4	228.1
45°	2006.1	1612.1	763.7	303.8	198.4	178.5	177.6	184.8	199.3	215.5	220.9
47.5°	2195.4	1721.2	753.7	282.2	198.4	183.0	180.3	182.1	191.1	205.6	210.1
50°	2437.9	1872.6	766.4	270.5	202.9	189.3	183.9	181.2	184.8	200.2	205.6
52.5°	2641.7	2017.8	781.7	268.7	210.1	197.5	189.3	181.2	183.9	202.0	208.3
55°	2855.4	2155.7	798.8	273.2	219.1	203.8	192.9	183.0	184.8	202.0	209.2
57.5°	3165.5	2390.2	843.0	283.1	228.1	211.0	197.5	185.7	183.9	197.5	202.9
60°	3448.6	2613.8	908.8	302.0	238.9	218.2	202.0	187.5	183.0	192.0	195.6
62.5°	3620.0	2734.6	934.1	320.1	249.7	224.5	203.8	187.5	185.7	193.8	196.6
65°	3796.7	2850.0	944.0	334.5	256.1	228.1	203.8	189.3	189.3	194.7	195.6
67.5°	3790.4	2824.7	920.5	341.7	261.5	229.9	203.8	189.3	191.1	196.6	197.5
70°	3624.5	2679.6	861.9	340.8	260.6	227.2	200.2	188.4	195.6	202.0	202.9
72.5°	3137.6	2303.6	767.3	330.0	252.5	220.0	194.7	186.6	197.5	206.5	206.5
75°	2574.1	1876.2	633.8	309.3	242.5	211.0	186.6	180.3	193.8	206.5	206.5
77.5°	2027.7	1468.7	513.9	282.2	228.1	200.2	176.7	169.5	184.8	196.6	195.6
80°	1575.1	1113.5	412.9	255.2	211.9	188.4	165.0	156.9	170.4	178.5	176.7
82.5°	1208.2	857.4	340.8	229.9	195.6	174.9	153.3	146.1	158.7	164.1	162.3
85°	825.0	614.0	279.5	202.0	174.9	158.7	141.6	136.1	150.6	156.9	155.1
87.5°	544.6	422.0	233.5	177.6	154.2	142.5	128.0	126.2	142.5	148.8	147.9
90°	359.7	294.8	198.4	154.2	134.3	124.4	115.4	115.4	129.8	135.2	131.6
92.5°	237.1	209.2	156.9	130.7	114.5	108.2	102.8	101.9	114.5	116.3	113.6
95°	161.4	147.0	122.6	108.2	96.5	92.9	88.4	90.2	98.3	96.5	93.8
97.5°	115.4	111.8	99.2	88.4	80.2	79.3	77.5	78.4	82.9	79.3	77.5
100°	92.0	89.3	82.0	73.9	68.5	67.6	66.7	67.6	70.3	66.7	64.9
102.5°	73.9	73.9	68.5	62.2	57.7	58.6	58.6	58.6	59.5	54.1	54.1
105°	59.5	59.5	57.7	52.3	49.6	49.6	50.5	50.5	50.5	46.9	46.9
107.5°	47.8	49.6	48.7	44.2	42.4	43.3	43.3	42.4	42.4	40.6	40.6
110°	38.8	40.6	40.6	37.9	37.0	37.9	37.0	36.1	35.2	35.2	35.2



REPORT NUMBER: P417055

CATALOG NUMBER: LXF.LXT-PA1-90-727-U-SL3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	32.5	34.3	35.2	33.4	32.5	32.5	31.6	30.7	30.7	31.6	31.6
115°	27.9	29.8	30.7	28.9	28.9	28.9	27.0	26.1	26.1	27.9	27.9
117.5°	25.2	26.1	27.0	26.1	25.2	25.2	24.3	22.5	22.5	24.3	25.2
120°	22.5	23.4	24.3	23.4	22.5	21.6	20.7	19.8	19.8	22.5	22.5
122.5°	20.7	21.6	21.6	20.7	19.8	19.8	18.9	18.0	18.0	19.8	20.7
125°	19.8	19.8	19.8	18.9	18.0	17.1	16.2	16.2	16.2	18.0	18.0
127.5°	18.9	18.9	18.0	17.1	16.2	15.3	15.3	14.4	14.4	16.2	17.1
130°	18.9	18.9	17.1	16.2	15.3	13.5	13.5	12.6	13.5	15.3	15.3
132.5°	18.0	18.0	16.2	15.3	13.5	12.6	11.7	11.7	11.7	13.5	14.4
135°	17.1	16.2	14.4	13.5	11.7	10.8	10.8	10.8	10.8	12.6	12.6
137.5°	15.3	14.4	12.6	11.7	10.8	9.9	9.0	9.0	9.9	10.8	11.7
140°	12.6	12.6	10.8	9.9	9.0	8.1	8.1	8.1	9.0	9.9	9.9
142.5°	10.8	10.8	9.0	8.1	7.2	6.3	7.2	7.2	8.1	9.0	9.0
145°	9.0	8.1	8.1	6.3	6.3	5.4	5.4	6.3	7.2	8.1	8.1
147.5°	7.2	7.2	6.3	5.4	4.5	4.5	4.5	5.4	6.3	6.3	7.2
150°	6.3	6.3	5.4	5.4	3.6	2.7	3.6	5.4	5.4	5.4	5.4
152.5°	5.4	5.4	5.4	4.5	3.6	1.8	2.7	4.5	4.5	4.5	4.5
155°	4.5	4.5	4.5	3.6	2.7	0.9	2.7	3.6	3.6	3.6	3.6
157.5°	3.6	3.6	3.6	3.6	1.8	0.9	1.8	2.7	2.7	2.7	3.6
160°	2.7	2.7	2.7	2.7	1.8	0.9	1.8	2.7	2.7	2.7	2.7
162.5°	2.7	2.7	2.7	2.7	1.8	0.9	0.9	2.7	1.8	1.8	1.8
165°	2.7	2.7	2.7	2.7	1.8	0.9	0.9	1.8	1.8	1.8	1.8
167.5°	2.7	2.7	2.7	2.7	1.8	0.9	0.9	1.8	1.8	0.9	0.9
170°	2.7	2.7	2.7	2.7	1.8	0.9	0.9	1.8	1.8	0.9	0.9
172.5°	2.7	2.7	2.7	2.7	1.8	0.9	0.9	1.8	1.8	0.9	0.9
175°	2.7	2.7	2.7	2.7	1.8	0.9	0.9	1.8	1.8	0.9	0.9
177.5°	2.7	2.7	2.7	2.7	1.8	0.9	0.9	1.8	1.8	0.9	0.9
180°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8

(END OF REPORT)