

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: P417074

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

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417074
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-15)
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-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8140.9 lumens
Efficiency: N/A
Efficacy: 86.6 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 - G2

Input Watts (W): 94
Input Voltage (V): NR
Input Current (A_{in}): 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

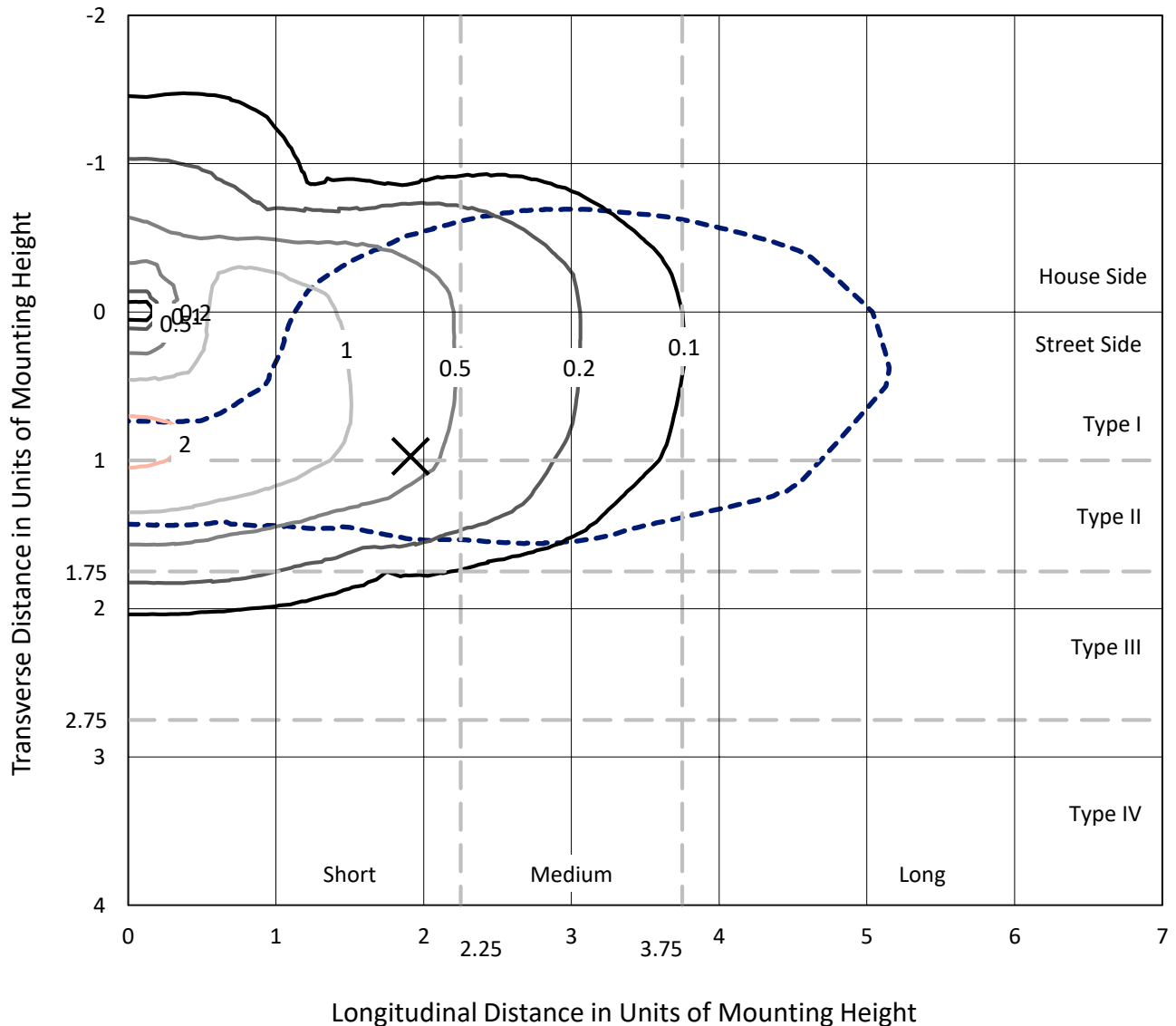


REPORT NUMBER: P417074

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

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

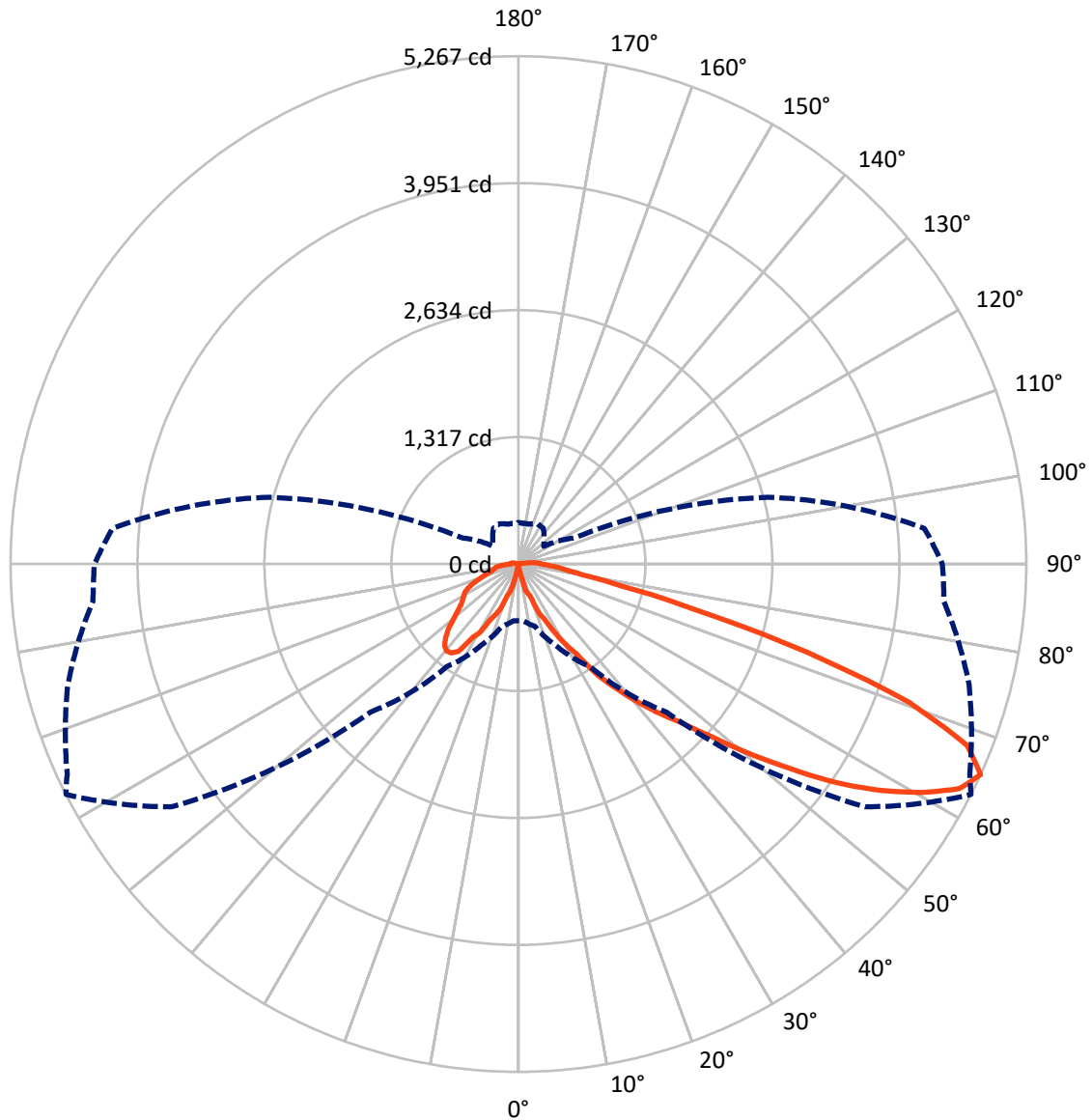


Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
 Type II - Short - Non-Cutoff

REPORT NUMBER: P417074

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

Luminous Intensity Polar Plot



— Vertical Plane Through 63-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P417074

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

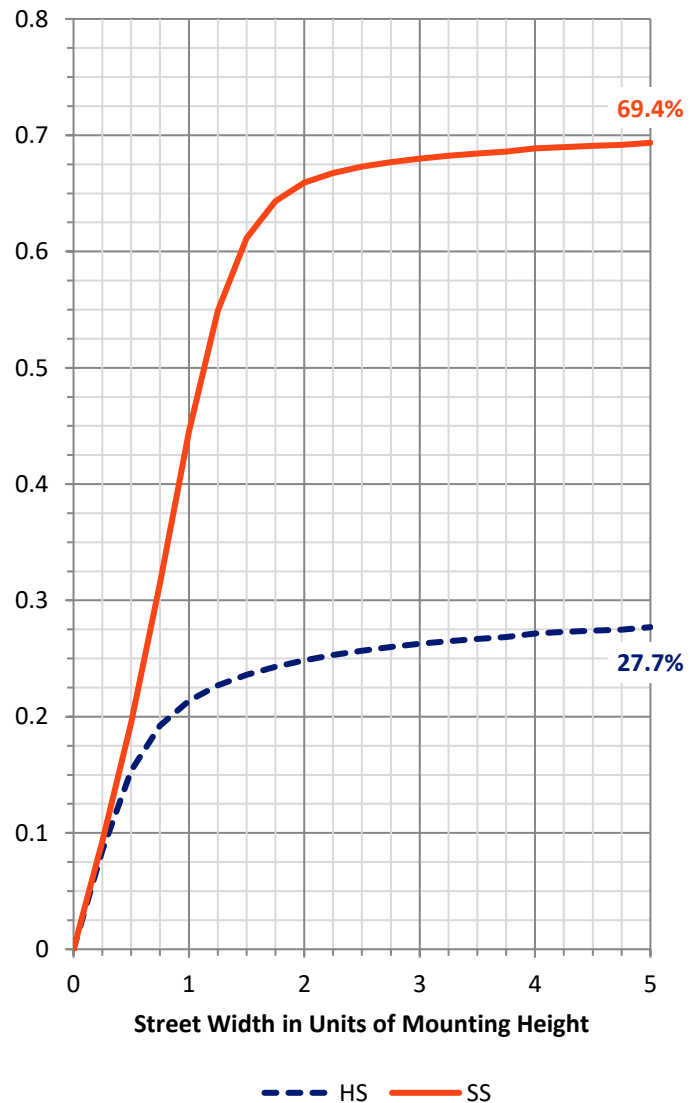
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2316.8	67.2	2384.0
	% Fixture	28.5	0.8	29.3
Street Side	Lumens	5694.3	62.6	5756.9
	% Fixture	69.9	0.8	70.7
Total	Lumens	8011.1	129.8	8140.9
	% Fixture	98.4	1.6	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.2	0.1
10°-20°	73.1	0.9
20°-30°	299.1	3.7
30°-40°	777.1	9.5
40°-50°	1477.7	18.2
50°-60°	1989.2	24.4
60°-70°	1884.5	23.1
70°-80°	1180.9	14.5
80°-90°	324.3	4.0
90°-100°	90.7	1.1
100°-110°	16.8	0.2
110°-120°	8.1	0.1
120°-130°	5.9	0.1
130°-140°	3.8	0.0
140°-150°	3.1	0.0
150°-160°	1.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	8011.1	98.4
0°-180°	8140.9	100.0



REPORT NUMBER: P417074

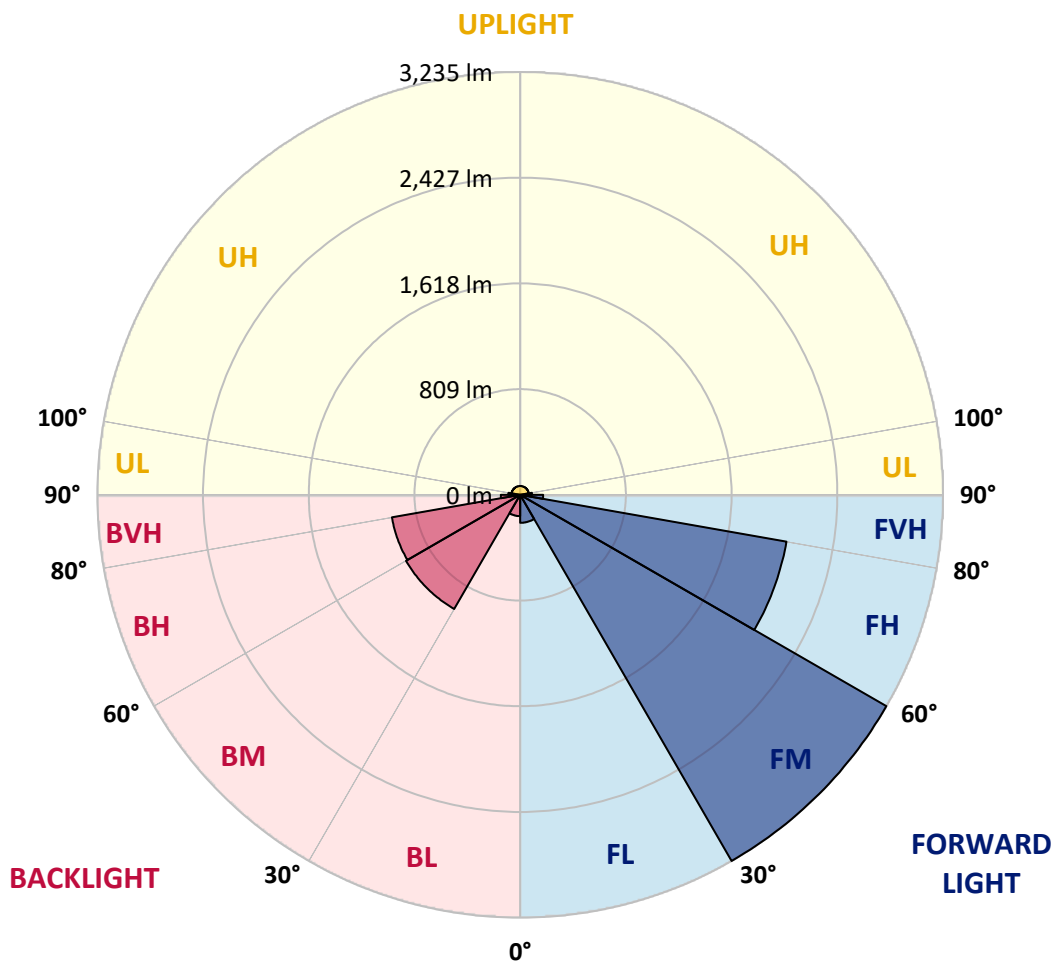
CATALOG NUMBER: LXF.LXT-PA1-90-727-U-T2U-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	214.3	2.6			
FM (30°-60°)	3235.3	39.7			
FH (60°-80°)	2068.8	25.4			G2/5000
FVH (80°-90°)	175.9	2.2			G2/225
BL (0°-30°)	163.2	2.0	B1/500		
BM (30°-60°)	1008.7	12.4	B2/2500		
BH (60°-80°)	996.6	12.2	B2/1000		G2/1000
BVH (80°-90°)	148.4	1.8			G2/225
UL (90°-100°)	90.7	1.1		U3/500	
UH (100°-180°)	67.2	0.8		U3/500	

BUG Rating: B2-U3-G2

Type II Short





REPORT NUMBER: P417074

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

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
2.5°	10.8	9.9	10.8	10.8	9.9	9.0	8.1	7.2	6.3	4.5	3.6
5°	127.1	128.0	126.2	123.5	44.2	19.8	11.7	9.0	8.1	5.4	4.5
7.5°	146.1	145.2	144.3	142.5	136.1	128.0	69.4	16.2	12.6	7.2	4.5
10°	160.5	158.7	154.2	153.3	147.0	142.5	131.6	84.8	71.2	12.6	9.0
12.5°	292.1	285.8	280.4	231.7	162.3	153.3	147.0	128.0	125.3	80.2	119.9
15°	305.7	306.6	303.0	297.5	284.9	191.1	238.0	288.5	287.6	248.9	245.2
17.5°	347.1	344.4	330.9	317.4	312.9	339.9	337.2	321.9	321.9	284.9	269.6
20°	536.5	532.0	523.9	436.4	388.6	439.1	412.1	358.9	360.7	440.0	477.9
22.5°	621.2	619.4	603.2	564.4	550.0	484.2	542.8	561.7	550.9	557.2	533.8
25°	850.3	841.2	770.0	701.5	709.6	653.7	652.8	641.1	634.8	606.8	649.2
27.5°	1082.0	1074.8	1058.5	962.1	819.6	788.0	737.5	805.2	787.1	852.1	866.5
30°	1433.6	1367.8	1230.7	1165.8	1118.9	968.4	953.9	974.7	969.3	951.2	935.0
32.5°	1799.7	1772.6	1692.4	1455.3	1306.5	1219.9	1177.5	1113.5	1083.8	1277.6	1291.2
35°	2182.0	2156.7	1960.2	1822.2	1567.1	1426.4	1403.0	1412.0	1372.3	1467.0	1444.4
37.5°	2854.6	2842.0	2644.5	2216.2	1949.4	1674.4	1641.9	1631.1	1568.9	1637.4	1638.3
40°	3286.5	3265.8	3047.6	2732.0	2301.9	2072.9	1915.1	1852.9	1836.7	1840.3	1841.2
42.5°	3607.5	3574.1	3447.0	3156.7	2707.6	2439.0	2216.2	2096.3	2128.8	2065.7	2062.1
45°	3815.8	3797.7	3682.3	3439.8	3128.7	2995.3	2601.2	2330.8	2439.9	2327.1	2321.7
47.5°	3862.6	3854.5	3774.3	3652.6	3522.7	3466.8	3065.6	2651.7	2751.8	2702.2	2601.2
50°	3658.9	3666.1	3636.3	3680.5	3822.1	3886.1	3555.2	3077.3	3132.3	3014.2	2885.3
52.5°	3213.5	3212.6	3320.8	3516.4	3932.1	4188.1	4008.7	3520.0	3517.3	3303.6	3157.6
55°	2579.6	2628.3	2811.3	3115.2	3781.5	4327.0	4438.8	4006.9	3931.2	3641.7	3400.1
57.5°	1965.6	2028.7	2253.2	2529.1	3353.2	4228.7	4751.7	4429.8	4351.3	3946.5	3657.1
60°	1329.9	1354.3	1637.4	1956.6	2667.1	3850.9	4898.6	4811.2	4724.6	4257.6	3916.7
62.5°	886.3	908.0	1070.3	1458.9	1912.4	3129.6	4804.0	5133.1	5018.6	4625.4	4188.1
65°	589.7	589.7	669.9	938.6	1301.1	2173.0	4389.2	5267.4	5163.7	4838.2	4428.9
67.5°	434.6	441.8	468.0	605.0	886.3	1300.2	3491.2	5019.5	5030.3	4862.6	4505.5
70°	394.0	398.5	421.1	456.2	633.0	773.6	2307.3	4299.9	4486.6	4678.6	4407.2
72.5°	344.4	346.2	382.3	420.2	498.6	593.3	1341.6	3125.1	3517.3	4278.3	4136.7
75°	288.5	291.2	320.1	376.9	431.0	497.7	714.1	1902.5	2292.9	3673.3	3778.8
77.5°	234.4	240.7	264.2	308.4	395.8	417.5	548.2	1087.4	1328.1	2735.6	3194.5
80°	180.3	186.6	207.4	242.5	323.7	368.8	455.3	669.0	805.2	1700.5	2232.5
82.5°	123.5	128.0	148.8	174.9	231.7	307.5	376.9	493.2	532.9	930.5	1231.6
85°	87.5	90.2	103.7	115.4	144.3	202.0	314.7	391.3	402.1	493.2	501.3
87.5°	49.6	48.7	50.5	58.6	65.8	78.4	185.7	286.7	300.2	343.5	319.2
90°	34.3	33.4	28.0	27.0	30.7	33.4	105.5	228.1	239.8	276.8	284.0
92.5°	36.1	34.3	27.0	25.2	28.9	30.7	70.3	199.3	224.5	276.8	292.1
95°	34.3	32.5	24.3	21.6	26.1	27.0	43.3	137.1	176.7	258.8	285.8
97.5°	29.8	28.0	19.8	18.0	21.6	21.6	24.3	63.1	86.6	120.8	136.1
100°	24.3	22.5	16.2	14.4	15.3	16.2	15.3	31.6	31.6	33.4	26.1
102.5°	21.6	20.7	13.5	11.7	10.8	10.8	9.9	15.3	16.2	18.0	22.5
105°	18.9	18.0	11.7	9.9	8.1	8.1	7.2	9.9	10.8	15.3	21.6
107.5°	13.5	13.5	9.9	8.1	7.2	7.2	5.4	8.1	9.0	13.5	22.5
110°	9.0	9.0	7.2	7.2	6.3	7.2	5.4	8.1	8.1	10.8	17.1



REPORT NUMBER: P417074

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

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
112.5°	7.2	7.2	6.3	5.4	4.5	5.4	6.3	7.2	7.2	8.1	10.8
115°	7.2	6.3	5.4	4.5	3.6	4.5	4.5	6.3	6.3	8.1	10.8
117.5°	7.2	7.2	5.4	4.5	3.6	3.6	4.5	5.4	5.4	8.1	11.7
120°	7.2	7.2	5.4	4.5	3.6	2.7	3.6	5.4	5.4	7.2	10.8
122.5°	7.2	7.2	5.4	4.5	3.6	2.7	3.6	4.5	4.5	6.3	10.8
125°	8.1	8.1	6.3	4.5	3.6	2.7	3.6	3.6	3.6	6.3	9.9
127.5°	8.1	8.1	6.3	4.5	3.6	2.7	3.6	3.6	3.6	5.4	8.1
130°	8.1	8.1	6.3	4.5	3.6	2.7	3.6	2.7	2.7	4.5	7.2
132.5°	8.1	7.2	6.3	5.4	4.5	3.6	3.6	2.7	2.7	2.7	5.4
135°	7.2	7.2	6.3	5.4	4.5	3.6	3.6	2.7	2.7	2.7	3.6
137.5°	7.2	7.2	7.2	6.3	5.4	4.5	3.6	2.7	2.7	2.7	2.7
140°	8.1	8.1	8.1	7.2	5.4	4.5	3.6	2.7	2.7	2.7	2.7
142.5°	9.0	9.0	9.0	8.1	5.4	4.5	4.5	2.7	2.7	2.7	2.7
145°	9.9	9.9	9.9	8.1	5.4	4.5	4.5	3.6	3.6	2.7	3.6
147.5°	10.8	10.8	9.9	8.1	4.5	3.6	3.6	3.6	3.6	3.6	3.6
150°	9.9	9.0	9.0	6.3	3.6	1.8	2.7	2.7	2.7	3.6	3.6
152.5°	7.2	7.2	6.3	4.5	2.7	0.9	1.8	1.8	2.7	2.7	2.7
155°	4.5	4.5	3.6	2.7	1.8	0.9	0.9	1.8	1.8	1.8	1.8
157.5°	1.8	1.8	1.8	1.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9
160°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
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: P417074

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
2.5°	3.6	3.6	4.5	5.4	5.4	6.3	6.3	6.3	6.3	6.3	6.3
5°	3.6	3.6	4.5	5.4	6.3	7.2	8.1	8.1	8.1	9.0	9.0
7.5°	4.5	4.5	4.5	6.3	7.2	9.9	27.0	81.1	125.3	128.9	130.7
10°	9.0	9.0	9.0	9.0	19.8	115.4	143.4	149.7	153.3	156.0	156.0
12.5°	120.8	119.9	43.3	21.6	99.2	149.7	158.7	163.2	166.8	169.5	170.4
15°	245.2	246.1	246.1	248.9	180.3	163.2	172.2	254.3	301.1	310.2	313.8
17.5°	268.7	268.7	267.8	298.4	335.4	265.1	295.7	322.8	331.8	336.3	338.1
20°	490.5	489.6	394.9	342.6	354.3	440.0	330.9	343.5	350.7	418.4	420.2
22.5°	541.0	538.3	526.6	529.3	417.5	476.1	453.5	440.0	482.4	480.6	482.4
25°	664.5	599.6	574.3	568.9	605.0	495.0	525.7	455.3	466.2	464.3	466.2
27.5°	870.1	846.6	788.0	666.3	644.7	611.3	526.6	477.9	537.4	550.9	552.7
30°	933.2	903.4	841.2	846.6	718.6	622.1	513.0	529.3	508.5	506.7	503.1
32.5°	1279.4	1240.7	1146.9	923.3	800.7	584.3	515.7	481.5	492.3	528.4	530.2
35°	1425.5	1381.3	1315.5	1178.5	776.3	573.4	471.6	469.8	477.0	477.9	476.1
37.5°	1591.4	1533.7	1471.5	1241.6	810.6	519.3	440.0	440.9	457.1	488.7	485.1
40°	1784.4	1720.3	1619.4	1278.5	727.6	486.9	419.3	432.8	449.9	442.7	436.4
42.5°	2001.7	1897.1	1738.4	1271.3	633.0	449.0	413.9	422.9	420.2	406.6	403.0
45°	2226.2	2115.3	1854.7	1210.9	547.3	424.7	403.9	406.6	395.8	378.7	375.1
47.5°	2484.9	2338.9	1920.5	1122.5	478.8	422.9	401.2	392.2	371.5	356.1	355.2
50°	2745.5	2585.9	2023.3	1004.4	427.4	415.7	407.5	388.6	363.4	348.0	346.2
52.5°	3000.7	2860.9	2134.2	905.3	388.6	407.5	410.2	390.4	363.4	340.8	339.9
55°	3256.7	3134.1	2254.1	826.8	362.5	406.6	420.2	395.8	368.8	335.4	334.5
57.5°	3513.7	3394.7	2369.5	774.5	350.7	394.9	426.5	413.0	383.2	355.2	357.1
60°	3818.5	3677.8	2505.7	737.5	346.2	388.6	431.9	432.8	392.2	360.7	365.2
62.5°	4117.8	3975.4	2621.1	703.3	334.5	382.3	434.6	448.1	412.1	385.0	389.5
65°	4396.4	4226.9	2674.3	637.5	320.1	375.1	450.8	461.6	427.4	424.7	430.1
67.5°	4502.8	4345.0	2622.0	555.4	311.1	375.1	468.0	480.6	443.6	458.0	472.5
70°	4400.0	4268.4	2490.3	452.6	313.8	377.8	470.7	489.6	467.1	478.8	491.4
72.5°	4080.8	3913.1	2170.3	364.3	313.8	374.2	458.9	475.2	458.0	496.8	509.4
75°	3677.8	3385.7	1727.6	300.2	304.8	372.4	431.9	450.8	433.7	474.3	487.8
77.5°	3037.6	2663.5	1194.7	265.1	292.1	356.1	403.9	407.5	390.4	414.8	421.1
80°	2142.3	1795.2	756.5	239.8	279.5	321.9	358.0	351.6	334.5	339.0	344.4
82.5°	1194.7	949.4	440.9	220.9	262.4	267.8	293.0	294.8	272.3	273.2	274.1
85°	474.3	439.1	298.4	185.7	211.9	193.0	219.1	228.1	206.5	181.2	175.8
87.5°	314.7	298.4	208.3	127.1	129.8	109.1	142.5	147.9	121.7	105.5	104.6
90°	299.3	290.3	179.4	85.7	72.1	59.5	79.3	76.6	58.6	51.4	52.3
92.5°	308.4	303.0	182.1	82.0	70.3	56.8	70.3	60.4	44.2	38.8	39.7
95°	303.9	301.1	177.6	80.2	66.7	52.3	59.5	48.7	34.3	30.7	30.7
97.5°	144.3	152.4	110.0	72.1	59.5	44.2	46.0	37.0	24.3	22.5	21.6
100°	21.6	34.3	59.5	66.7	44.2	30.7	29.8	24.3	15.3	14.4	14.4
102.5°	22.5	24.3	37.0	46.0	24.3	16.2	16.2	14.4	11.7	13.5	13.5
105°	24.3	22.5	21.6	25.2	14.4	9.9	9.0	9.0	9.9	14.4	15.3
107.5°	26.1	24.3	17.1	13.5	10.8	9.0	7.2	6.3	9.0	15.3	16.2
110°	19.8	18.9	14.4	10.8	10.8	9.9	6.3	6.3	9.9	16.2	18.0



REPORT NUMBER: P417074

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	11.7	13.5	12.6	9.9	9.0	9.0	6.3	6.3	9.9	17.1	18.9
115°	12.6	12.6	10.8	8.1	7.2	7.2	6.3	5.4	9.9	18.0	18.9
117.5°	12.6	12.6	10.8	8.1	6.3	5.4	5.4	5.4	9.9	18.0	18.9
120°	12.6	12.6	10.8	7.2	6.3	5.4	5.4	5.4	9.9	17.1	18.9
122.5°	11.7	11.7	9.9	7.2	5.4	5.4	5.4	5.4	9.9	16.2	17.1
125°	10.8	10.8	9.0	6.3	5.4	4.5	5.4	5.4	9.0	14.4	15.3
127.5°	9.0	9.9	8.1	6.3	5.4	4.5	5.4	5.4	8.1	12.6	13.5
130°	8.1	8.1	7.2	5.4	4.5	4.5	5.4	5.4	8.1	11.7	12.6
132.5°	6.3	6.3	5.4	5.4	4.5	4.5	4.5	4.5	6.3	9.9	9.9
135°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	5.4	7.2	8.1
137.5°	3.6	3.6	4.5	4.5	4.5	4.5	4.5	4.5	4.5	6.3	6.3
140°	2.7	3.6	3.6	4.5	4.5	4.5	4.5	4.5	4.5	5.4	5.4
142.5°	2.7	3.6	3.6	4.5	4.5	4.5	4.5	4.5	5.4	6.3	6.3
145°	3.6	3.6	4.5	4.5	4.5	3.6	4.5	4.5	5.4	6.3	6.3
147.5°	3.6	3.6	4.5	4.5	4.5	3.6	3.6	4.5	5.4	6.3	6.3
150°	3.6	3.6	4.5	4.5	3.6	2.7	3.6	3.6	4.5	6.3	6.3
152.5°	3.6	3.6	3.6	3.6	2.7	1.8	2.7	2.7	3.6	4.5	4.5
155°	2.7	2.7	2.7	2.7	2.7	1.8	1.8	1.8	2.7	2.7	3.6
157.5°	1.8	1.8	1.8	2.7	1.8	1.8	0.9	0.9	0.9	1.8	1.8
160°	0.9	0.9	1.8	1.8	1.8	1.8	0.9	0.9	0.9	0.9	0.9
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)