

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: P413868

Luminaire Tested: **LXF.LXT-PA1-100-740-U-T4W-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P413868
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-13)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-100-740-U-T4W-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9824.1 lumens
Efficiency: N/A
Efficacy: 102.3 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

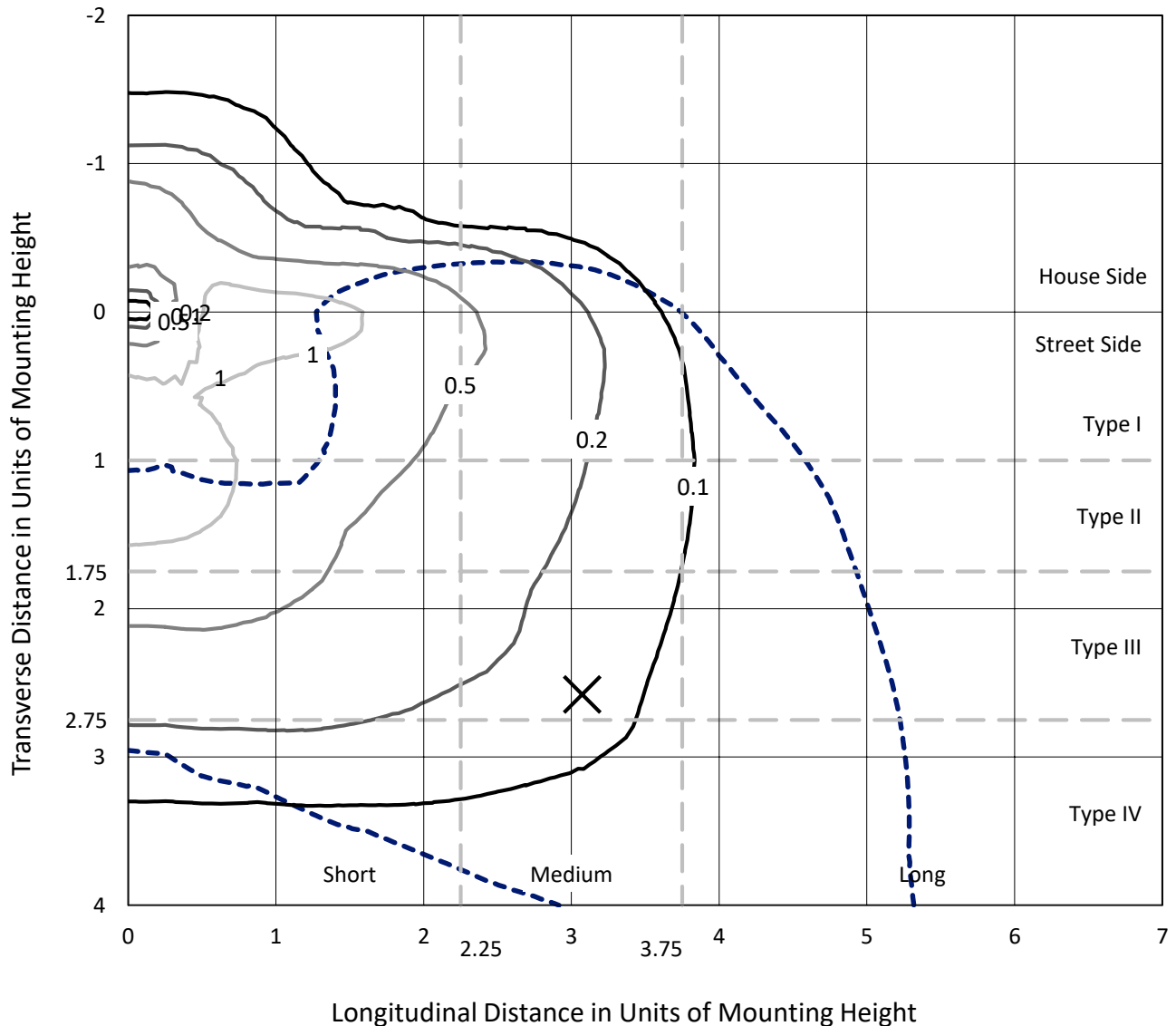
Input Watts (W): 96
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P413868
 CATALOG NUMBER: LXF.LXT-PA1-100-740-U-T4W-CL

Iso-Footcandle Lines of Horizontal Illumination

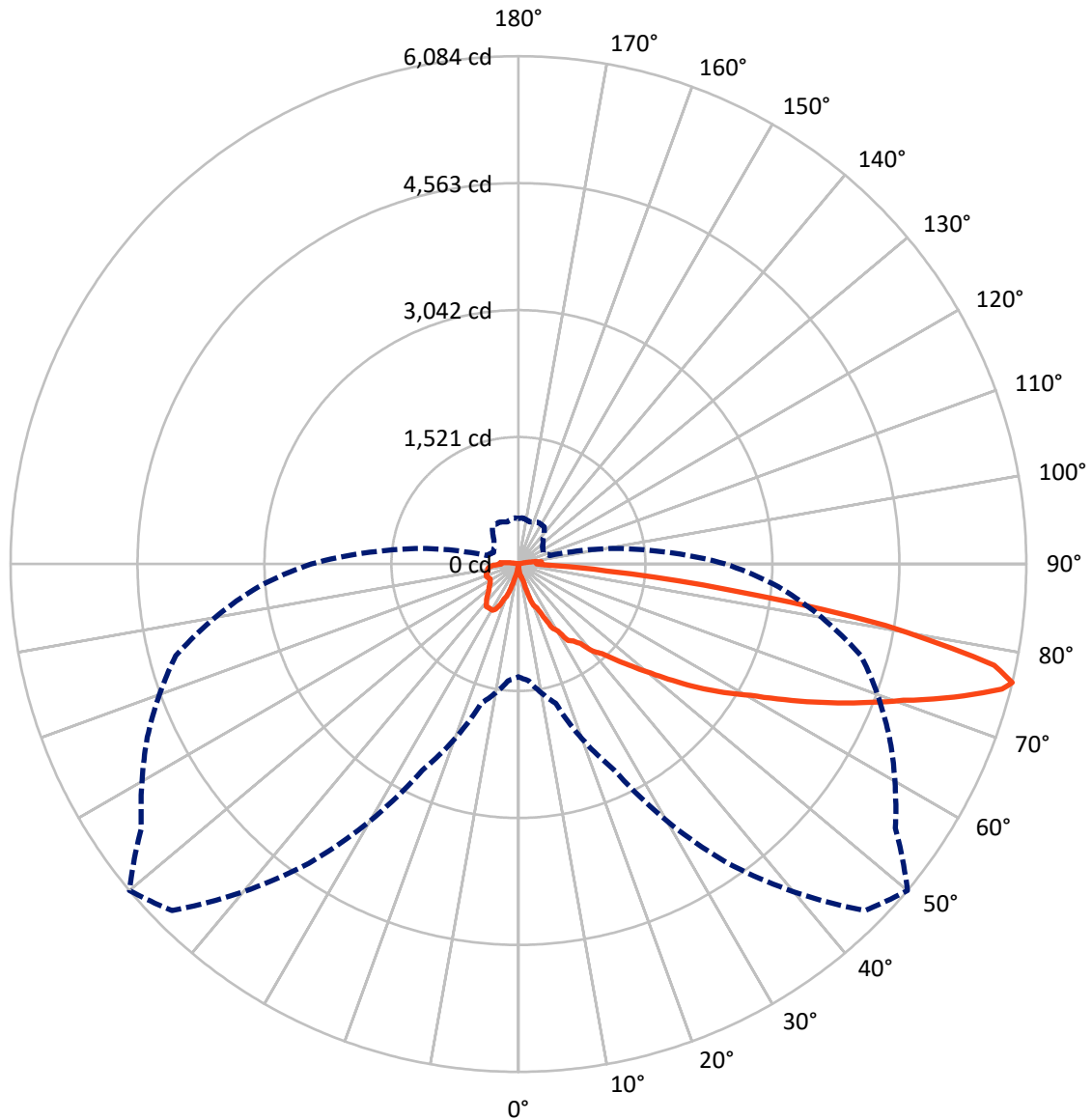
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P413868
CATALOG NUMBER: LXF.LXT-PA1-100-740-U-T4W-CL

Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral - - - Horizontal Cone Through 76-Deg Vertical



REPORT NUMBER: P413868

CATALOG NUMBER: LXF.LXT-PA1-100-740-U-T4W-CL

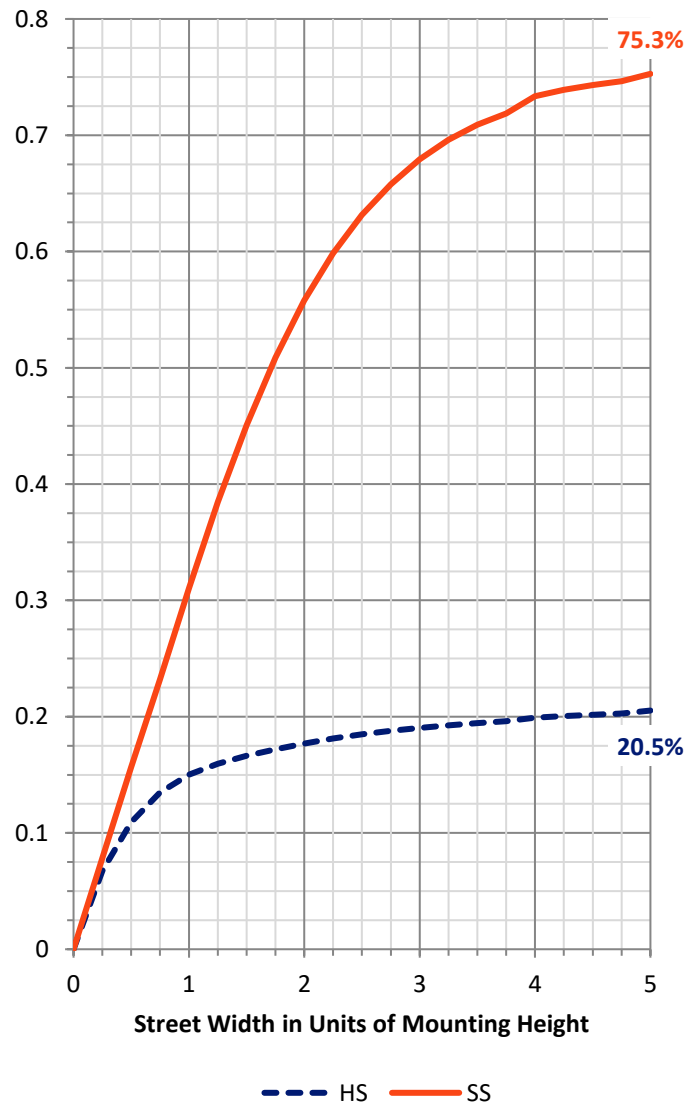
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2144.1	120.8	2264.9
	% Fixture	21.8	1.2	23.1
Street Side	Lumens	7462.1	97.0	7559.1
	% Fixture	76.0	1.0	76.9
Total	Lumens	9606.2	217.8	9824.1
	% Fixture	97.8	2.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.4	0.1
10°-20°	82.0	0.8
20°-30°	320.5	3.3
30°-40°	689.8	7.0
40°-50°	1123.8	11.4
50°-60°	1809.3	18.4
60°-70°	2635.4	26.8
70°-80°	2351.1	23.9
80°-90°	588.9	6.0
90°-100°	172.5	1.8
100°-110°	25.6	0.3
110°-120°	7.3	0.1
120°-130°	5.0	0.1
130°-140°	3.4	0.0
140°-150°	2.8	0.0
150°-160°	1.2	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	9606.2	97.8
0°-180°	9824.1	100.0



REPORT NUMBER: P413868

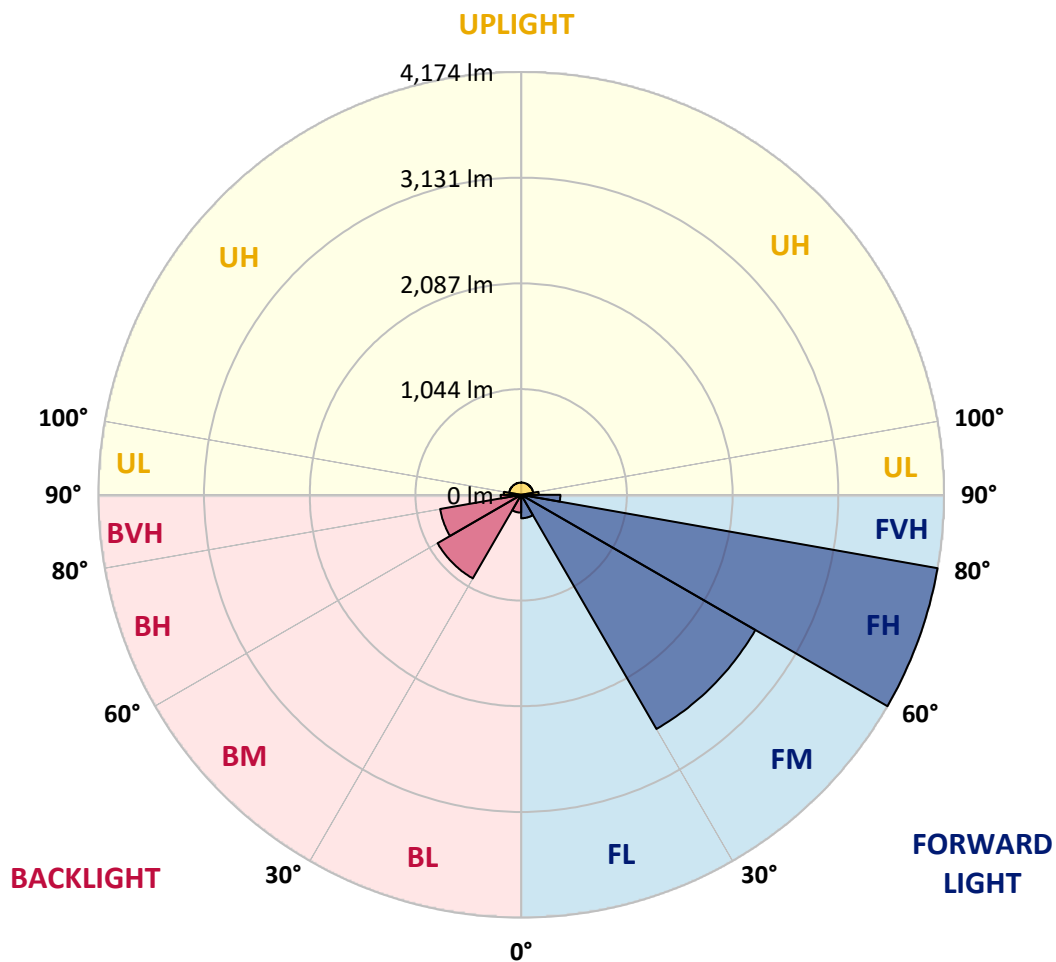
CATALOG NUMBER: LXF.LXT-PA1-100-740-U-T4W-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	231.6	2.4			
FM (30°-60°)	2669.5	27.2			
FH (60°-80°)	4174.2	42.5			G2/5000
FVH (80°-90°)	386.7	3.9			G3/500
BL (0°-30°)	176.3	1.8	B1/500		
BM (30°-60°)	953.4	9.7	B1/1000		
BH (60°-80°)	812.2	8.3	B2/1000		G2/1000
BVH (80°-90°)	202.2	2.1			G2/225
UL (90°-100°)	172.5	1.8		U3/500	
UH (100°-180°)	120.8	1.2		U3/500	

BUG Rating: B2-U3-G3

Type IV Medium





REPORT NUMBER: P413868

CATALOG NUMBER: LXF.LXT-PA1-100-740-U-T4W-CL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
2.5°	14.2	10.9	9.8	8.7	8.7	7.6	7.6	6.6	6.6	6.6	6.6
5°	137.6	133.2	123.4	114.6	39.3	32.8	27.3	20.7	7.6	7.6	6.6
7.5°	164.9	161.6	155.0	150.7	144.1	134.3	123.4	57.9	22.9	8.7	7.6
10°	216.2	199.8	186.7	175.8	168.1	151.8	147.4	138.7	38.2	16.4	12.0
12.5°	386.5	377.8	364.7	247.8	204.2	174.7	168.1	160.5	124.5	59.0	105.9
15°	425.8	417.1	404.0	387.6	363.6	215.1	202.0	251.1	321.0	241.3	252.2
17.5°	500.0	495.7	460.7	421.4	397.4	422.5	423.6	384.3	364.7	318.8	290.4
20°	693.3	688.9	669.3	568.8	449.8	533.9	531.7	512.1	409.4	470.6	506.6
22.5°	721.7	716.2	698.8	671.5	711.9	585.2	571.0	571.0	603.8	639.8	596.1
25°	949.9	944.4	811.2	706.4	763.2	696.6	698.8	773.0	668.2	702.0	670.4
27.5°	992.4	984.8	973.9	904.0	803.6	882.2	870.2	829.8	869.1	969.5	935.7
30°	1158.4	1074.3	1038.3	997.9	948.8	934.6	929.1	1002.3	1030.7	1024.1	1033.9
32.5°	1344.0	1340.7	1305.8	1064.5	1073.2	1004.5	1092.9	1125.6	1082.0	1243.6	1347.3
35°	1614.8	1503.4	1435.7	1275.2	1116.9	1161.7	1131.1	1164.9	1314.5	1329.8	1429.2
37.5°	2029.7	2023.1	1868.1	1407.3	1288.3	1189.0	1210.8	1304.7	1403.0	1424.8	1559.1
40°	2372.5	2340.8	2242.6	1754.5	1400.8	1286.1	1373.5	1352.7	1456.5	1532.9	1661.7
42.5°	2626.9	2656.3	2600.7	2030.7	1626.8	1440.1	1466.3	1439.0	1535.1	1678.1	1809.1
45°	2870.3	2858.3	2896.5	2311.3	1844.0	1637.7	1635.5	1568.9	1679.2	1839.7	2012.2
47.5°	3069.0	3051.6	3090.9	2615.9	2094.1	1816.8	1832.0	1745.8	1851.7	2041.7	2313.5
50°	3290.7	3256.8	3283.0	2871.4	2420.5	2075.5	2054.8	1988.2	2048.2	2307.0	2681.5
52.5°	3557.1	3533.1	3486.1	3125.8	2756.8	2341.9	2315.7	2251.3	2316.8	2636.7	3088.7
55°	3796.2	3768.9	3730.7	3476.3	3036.3	2612.7	2613.8	2549.3	2677.1	2997.0	3561.4
57.5°	4045.1	4032.0	4051.7	3868.2	3435.9	2895.4	2902.0	2862.7	3092.0	3367.1	4062.6
60°	4251.5	4231.8	4341.0	4268.9	3790.7	3218.6	3192.4	3235.0	3515.6	3753.6	4570.3
62.5°	4330.1	4343.2	4549.5	4638.0	4134.6	3566.9	3576.7	3634.6	3907.5	4216.5	5059.4
65°	3961.0	4006.9	4583.4	4702.4	4517.9	3953.4	4000.3	3990.5	4309.3	4557.2	5472.1
67.5°	3560.4	3612.8	4239.5	4718.8	4814.8	4407.6	4431.6	4334.4	4655.4	4770.1	5780.0
70°	3276.5	3316.9	3832.2	4626.0	4997.2	4881.4	4892.3	4712.2	4906.5	5020.1	5769.1
72.5°	2785.2	2827.8	3303.8	4275.5	5110.7	5455.7	5455.7	5058.3	5109.6	5014.6	5094.3
75°	1882.3	1898.6	2288.4	3319.1	4817.0	5924.1	5980.9	5436.1	5039.7	4555.0	3799.5
76°	1351.6	1401.9	1728.3	2725.1	4374.8	5870.6	6083.5	5512.5	4903.3	4250.4	3126.9
77.5°	716.2	762.1	1019.7	1744.7	3548.3	5459.0	5826.9	5277.8	4470.9	3648.8	2312.4
80°	280.6	277.3	350.5	621.2	1797.1	4152.1	4458.9	3890.1	3024.3	2113.7	1098.3
82.5°	153.9	169.2	222.7	328.6	779.5	2290.6	2518.8	2052.6	1543.8	975.0	642.0
85°	98.3	100.4	131.0	203.1	481.5	965.1	1060.1	878.9	722.8	598.3	456.4
87.5°	59.0	61.1	68.8	93.9	238.0	283.9	310.1	364.7	414.9	411.6	394.1
90°	40.4	40.4	33.8	37.1	111.4	227.1	218.4	232.6	211.8	268.6	379.9
92.5°	39.3	39.3	32.8	33.8	95.0	252.2	253.3	252.2	223.8	274.0	399.6
95°	34.9	36.0	28.4	29.5	69.9	235.8	277.3	268.6	226.0	276.2	398.5
97.5°	29.5	30.6	21.8	25.1	46.9	159.4	206.3	210.7	140.8	139.8	180.1
100°	21.8	22.9	15.3	19.7	28.4	73.2	110.3	103.7	69.9	38.2	25.1
102.5°	20.7	21.8	13.1	15.3	17.5	25.1	40.4	30.6	26.2	21.8	21.8
105°	22.9	22.9	12.0	10.9	10.9	12.0	9.8	14.2	15.3	16.4	22.9
107.5°	19.7	20.7	8.7	8.7	7.6	7.6	6.6	6.6	8.7	14.2	25.1



REPORT NUMBER: P413868

CATALOG NUMBER: LXF.LXT-PA1-100-740-U-T4W-CL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
110°	15.3	15.3	7.6	7.6	5.5	6.6	6.6	5.5	7.6	10.9	19.7
112.5°	8.7	9.8	4.4	6.6	4.4	5.5	5.5	4.4	6.6	7.6	10.9
115°	8.7	8.7	4.4	3.3	3.3	3.3	4.4	4.4	5.5	7.6	12.0
117.5°	8.7	8.7	4.4	3.3	2.2	3.3	3.3	3.3	5.5	7.6	12.0
120°	8.7	8.7	4.4	2.2	2.2	2.2	2.2	3.3	5.5	7.6	12.0
122.5°	9.8	8.7	4.4	2.2	2.2	2.2	2.2	3.3	5.5	7.6	10.9
125°	9.8	8.7	4.4	2.2	2.2	2.2	2.2	3.3	4.4	6.6	9.8
127.5°	9.8	8.7	4.4	2.2	2.2	2.2	2.2	3.3	4.4	6.6	8.7
130°	8.7	8.7	4.4	2.2	2.2	2.2	2.2	3.3	4.4	6.6	8.7
132.5°	8.7	7.6	4.4	2.2	2.2	2.2	2.2	3.3	4.4	5.5	7.6
135°	7.6	6.6	4.4	2.2	3.3	2.2	3.3	3.3	4.4	5.5	6.6
137.5°	6.6	6.6	4.4	3.3	3.3	3.3	3.3	3.3	4.4	5.5	5.5
140°	7.6	6.6	4.4	4.4	3.3	3.3	3.3	3.3	4.4	5.5	5.5
142.5°	8.7	7.6	5.5	4.4	4.4	3.3	3.3	4.4	4.4	5.5	5.5
145°	8.7	8.7	6.6	5.5	3.3	3.3	3.3	4.4	5.5	5.5	6.6
147.5°	9.8	8.7	6.6	5.5	3.3	2.2	3.3	3.3	5.5	6.6	6.6
150°	8.7	8.7	5.5	4.4	2.2	1.1	2.2	3.3	5.5	6.6	6.6
152.5°	6.6	6.6	4.4	2.2	1.1	1.1	2.2	3.3	4.4	5.5	6.6
155°	4.4	4.4	2.2	1.1	0.0	1.1	1.1	2.2	3.3	4.4	5.5
157.5°	2.2	2.2	1.1	0.0	0.0	1.1	1.1	2.2	3.3	4.4	4.4
160°	1.1	0.0	0.0	0.0	0.0	1.1	1.1	2.2	2.2	3.3	3.3
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: P413868

CATALOG NUMBER: LXF.LXT-PA1-100-740-U-T4W-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
2.5°	6.6	5.5	5.5	4.4	4.4	3.3	3.3	3.3	3.3	4.4	5.5
5°	6.6	6.6	5.5	5.5	5.5	4.4	4.4	6.6	7.6	8.7	8.7
7.5°	6.6	6.6	6.6	5.5	6.6	8.7	34.9	100.4	110.3	116.8	119.0
10°	12.0	10.9	9.8	8.7	16.4	111.4	137.6	149.6	155.0	160.5	160.5
12.5°	114.6	114.6	46.9	26.2	112.5	149.6	157.2	166.0	173.6	181.2	182.3
15°	248.9	245.7	236.9	217.3	187.8	169.2	176.9	262.0	307.9	328.6	325.4
17.5°	285.0	280.6	275.1	313.3	326.4	260.9	304.6	338.5	348.3	359.2	358.1
20°	528.4	523.0	407.2	364.7	357.0	437.8	348.3	355.9	373.4	476.0	479.3
22.5°	591.8	585.2	544.8	555.7	417.1	474.9	459.6	481.5	537.2	553.5	555.7
25°	693.3	667.1	618.0	580.8	590.7	495.7	572.1	536.1	556.8	576.5	579.7
27.5°	959.7	944.4	857.1	650.7	602.7	620.1	596.1	583.0	696.6	738.1	741.3
30°	1033.9	1018.6	909.5	753.3	635.4	635.4	600.5	727.1	732.6	754.4	759.9
32.5°	1405.1	1374.6	1156.2	765.4	659.4	607.0	680.2	716.2	803.6	869.1	880.0
35°	1491.4	1465.2	1193.3	874.5	637.6	632.2	642.0	754.4	818.8	858.2	866.9
37.5°	1580.9	1551.4	1189.0	833.0	675.8	602.7	624.5	705.3	798.1	899.6	912.7
40°	1703.2	1667.2	1194.4	779.5	633.2	569.9	586.3	676.9	740.2	803.6	814.5
42.5°	1867.0	1794.9	1204.3	731.5	584.1	555.7	559.0	611.4	640.9	667.1	667.1
45°	2087.5	1970.7	1207.5	681.3	535.0	523.0	527.3	551.4	562.3	545.9	538.3
47.5°	2383.4	2188.0	1247.9	636.5	493.5	486.9	490.2	497.9	492.4	449.8	442.2
50°	2728.4	2443.4	1269.8	597.2	462.9	461.8	456.4	456.4	436.7	388.7	385.4
52.5°	3109.4	2748.1	1288.3	549.2	441.1	446.5	446.5	423.6	394.1	355.9	352.7
55°	3593.1	3099.6	1315.6	507.7	422.5	421.4	433.4	405.1	374.5	341.7	341.7
57.5°	4073.5	3471.9	1348.4	471.7	401.8	404.0	421.4	398.5	382.1	369.0	367.9
60°	4553.9	3856.2	1296.0	438.9	394.1	389.8	418.2	423.6	404.0	411.6	419.3
62.5°	5004.8	4101.9	1085.2	410.5	379.9	386.5	446.5	480.4	473.8	466.2	468.4
65°	5217.7	4152.1	880.0	385.4	370.1	409.4	492.4	543.7	521.9	496.8	494.6
67.5°	5253.7	4022.2	647.4	370.1	364.7	449.8	528.4	557.9	525.2	515.3	506.6
70°	5000.4	3692.5	517.5	353.7	369.0	456.4	551.4	554.6	530.6	541.5	530.6
72.5°	4252.6	3075.6	453.1	338.5	370.1	440.0	551.4	555.7	528.4	560.1	554.6
75°	3045.0	2156.3	402.9	325.4	358.1	421.4	543.7	554.6	521.9	556.8	548.1
76°	2480.6	1710.8	388.7	328.6	352.7	414.9	541.5	551.4	523.0	554.6	545.9
77.5°	1638.8	1118.0	364.7	326.4	342.8	411.6	536.1	547.0	521.9	548.1	539.3
80°	876.7	633.2	328.6	304.6	330.8	413.8	531.7	536.1	501.1	530.6	519.7
82.5°	577.6	471.7	283.9	276.2	318.8	417.1	529.5	523.0	483.7	530.6	501.1
85°	453.1	389.8	212.9	221.6	290.4	402.9	523.0	504.4	468.4	481.5	464.0
87.5°	384.3	321.0	127.7	158.3	254.4	342.8	464.0	417.1	396.3	409.4	401.8
90°	361.4	283.9	72.1	111.4	191.1	228.2	292.6	271.9	263.1	278.4	275.1
92.5°	364.7	277.3	71.0	105.9	204.2	245.7	302.4	278.4	252.2	252.2	248.9
95°	348.3	258.8	69.9	84.1	184.5	239.1	283.9	250.0	203.1	193.2	190.0
97.5°	151.8	125.6	65.5	64.4	105.9	164.9	206.3	179.1	134.3	104.8	104.8
100°	25.1	40.4	56.8	62.2	62.2	87.3	116.8	110.3	64.4	33.8	34.9
102.5°	26.2	22.9	39.3	51.3	40.4	36.0	53.5	66.6	42.6	13.1	14.2
105°	27.3	24.0	19.7	36.0	22.9	12.0	16.4	30.6	19.7	13.1	13.1
107.5°	29.5	25.1	12.0	13.1	9.8	9.8	8.7	7.6	9.8	13.1	14.2



REPORT NUMBER: P413868

CATALOG NUMBER: LXF.LXT-PA1-100-740-U-T4W-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	22.9	20.7	10.9	9.8	8.7	9.8	6.6	6.6	7.6	13.1	14.2
112.5°	13.1	13.1	9.8	7.6	7.6	8.7	5.5	5.5	7.6	14.2	14.2
115°	13.1	13.1	8.7	6.6	5.5	6.6	5.5	4.4	7.6	14.2	15.3
117.5°	13.1	13.1	8.7	6.6	5.5	4.4	4.4	4.4	7.6	14.2	15.3
120°	13.1	12.0	7.6	5.5	5.5	3.3	3.3	3.3	6.6	14.2	15.3
122.5°	12.0	12.0	7.6	5.5	4.4	3.3	3.3	3.3	6.6	13.1	14.2
125°	10.9	10.9	7.6	5.5	4.4	3.3	2.2	3.3	6.6	12.0	13.1
127.5°	9.8	9.8	6.6	5.5	4.4	3.3	2.2	3.3	6.6	12.0	13.1
130°	8.7	8.7	6.6	4.4	4.4	2.2	2.2	2.2	6.6	10.9	12.0
132.5°	7.6	7.6	5.5	4.4	3.3	2.2	1.1	2.2	5.5	9.8	9.8
135°	6.6	6.6	5.5	4.4	3.3	2.2	1.1	2.2	4.4	7.6	8.7
137.5°	5.5	5.5	4.4	4.4	3.3	2.2	1.1	2.2	3.3	6.6	6.6
140°	5.5	5.5	4.4	4.4	3.3	2.2	1.1	2.2	3.3	5.5	6.6
142.5°	5.5	5.5	4.4	4.4	3.3	2.2	1.1	2.2	3.3	5.5	6.6
145°	6.6	5.5	5.5	4.4	3.3	2.2	1.1	2.2	4.4	6.6	6.6
147.5°	6.6	6.6	5.5	4.4	3.3	2.2	1.1	2.2	4.4	6.6	6.6
150°	6.6	6.6	5.5	4.4	3.3	1.1	0.0	1.1	3.3	5.5	6.6
152.5°	6.6	5.5	4.4	3.3	2.2	1.1	0.0	0.0	2.2	4.4	4.4
155°	5.5	4.4	4.4	3.3	2.2	1.1	0.0	0.0	1.1	2.2	2.2
157.5°	4.4	4.4	3.3	2.2	1.1	1.1	0.0	0.0	0.0	1.1	1.1
160°	3.3	3.3	2.2	2.2	1.1	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)