

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: P414063

Luminaire Tested: **LXF.LXT-PA1-100-830-U-T2U-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414063
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-PA1-100-830-U-T2U-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 1200mA 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: 7496 lumens
Efficiency: N/A
Efficacy: 78.1 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

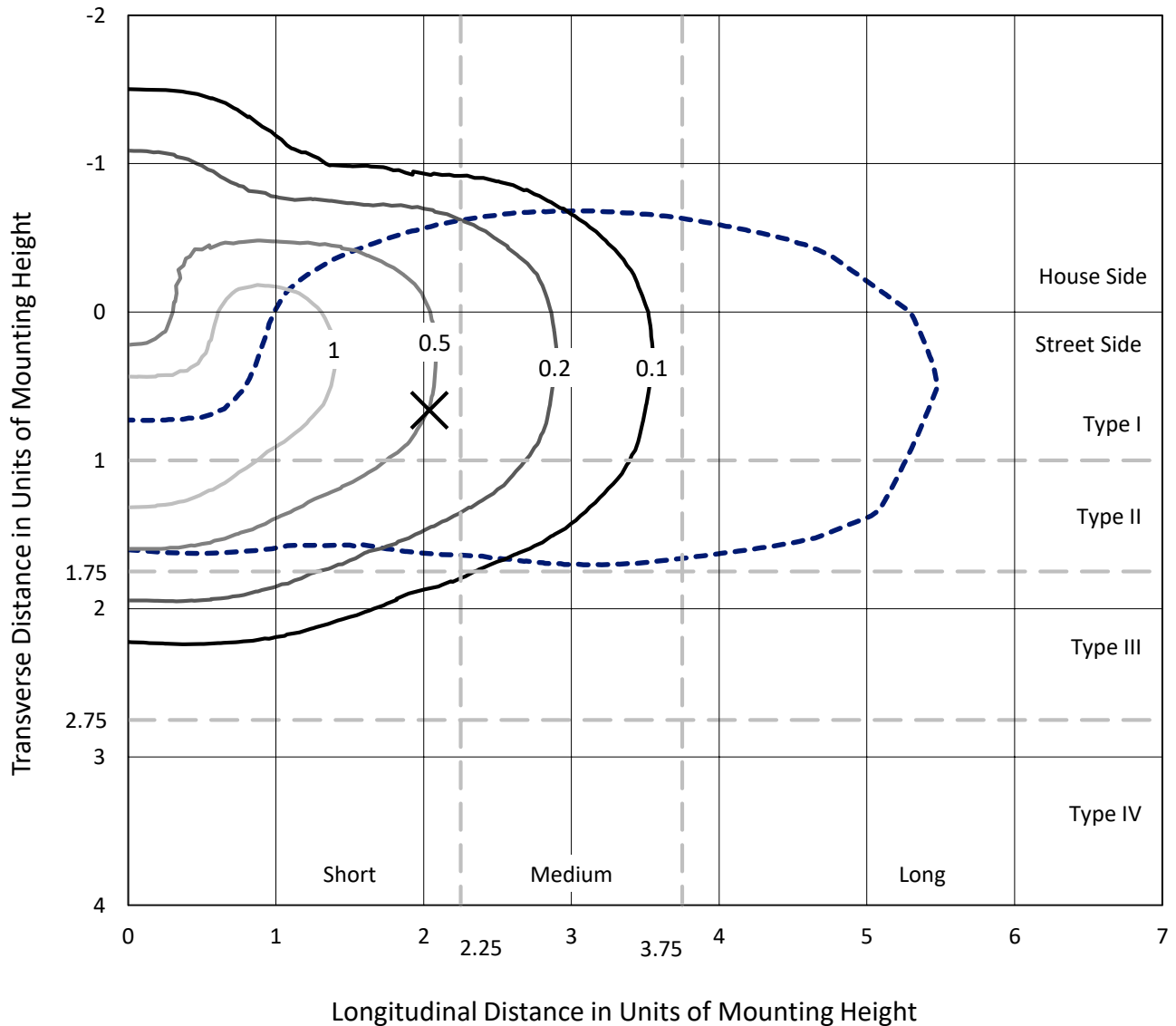
Input Watts (W): 96
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P414063
 CATALOG NUMBER: LXF.LXT-PA1-100-830-U-T2U-TL

Iso-Footcandle Lines of Horizontal Illumination

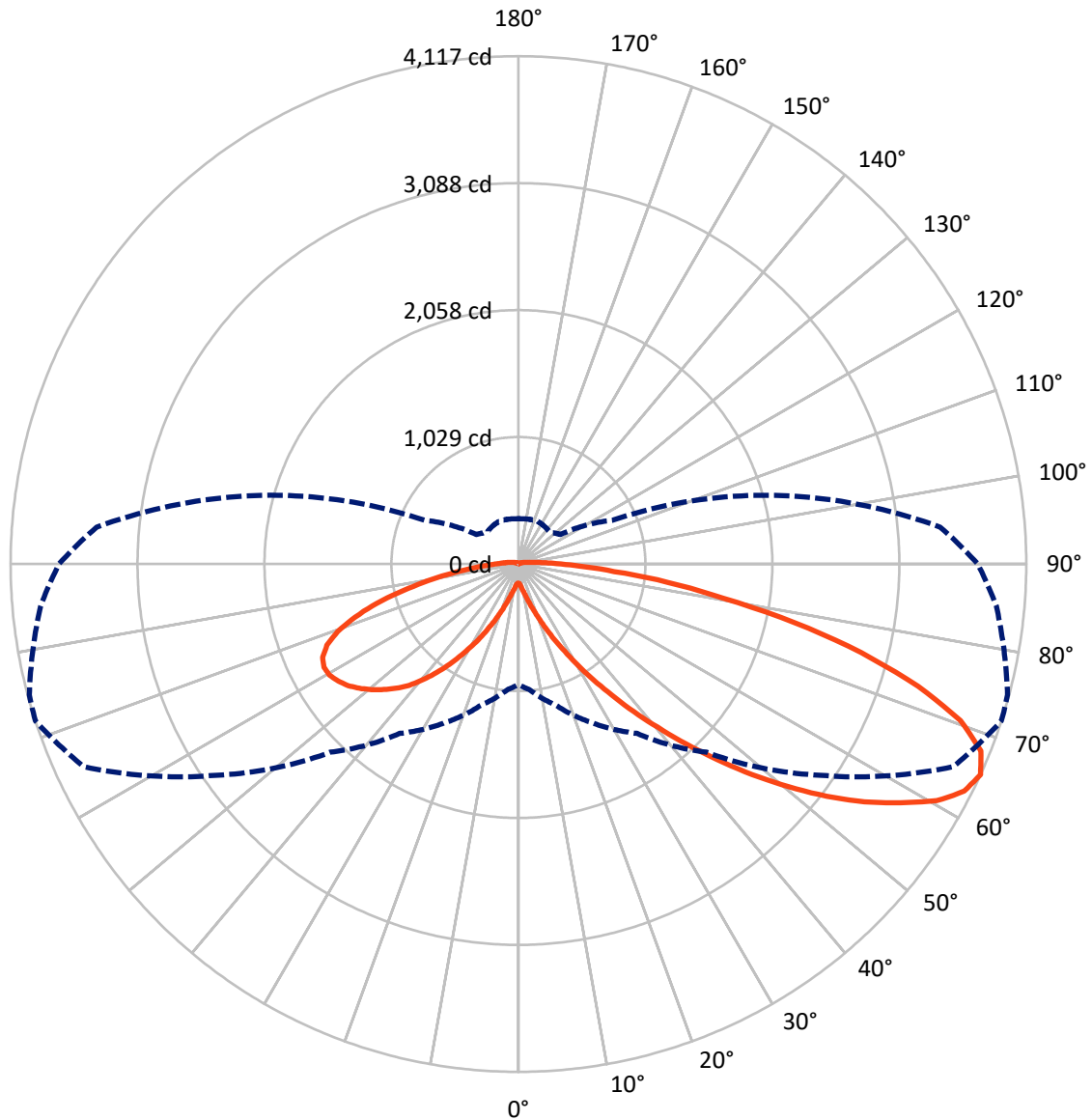
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
 Type II - Short - Non-Cutoff

REPORT NUMBER: P414063
CATALOG NUMBER: LXF.LXT-PA1-100-830-U-T2U-TL

Luminous Intensity Polar Plot



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

REPORT NUMBER: P414063

CATALOG NUMBER: LXF.LXT-PA1-100-830-U-T2U-TL

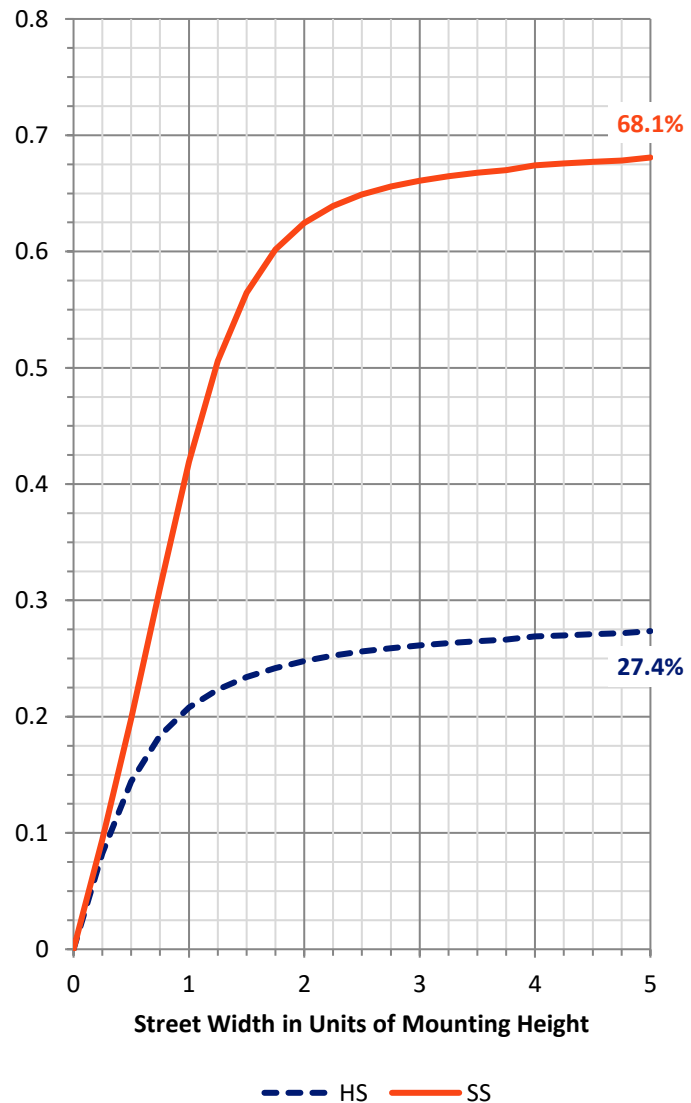
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2113.5	106.4	2219.8
	% Fixture	28.2	1.4	29.6
Street Side	Lumens	5172.5	103.7	5276.2
	% Fixture	69.0	1.4	70.4
Total	Lumens	7286.0	210.0	7496.0
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.8	0.2
10°-20°	90.7	1.2
20°-30°	287.2	3.8
30°-40°	688.3	9.2
40°-50°	1270.8	17.0
50°-60°	1731.7	23.1
60°-70°	1688.4	22.5
70°-80°	1102.6	14.7
80°-90°	408.5	5.4
90°-100°	113.5	1.5
100°-110°	47.6	0.6
110°-120°	24.0	0.3
120°-130°	13.6	0.2
130°-140°	7.6	0.1
140°-150°	3.1	0.0
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7286.0	97.2
0°-180°	7496.0	100.0



REPORT NUMBER: P414063

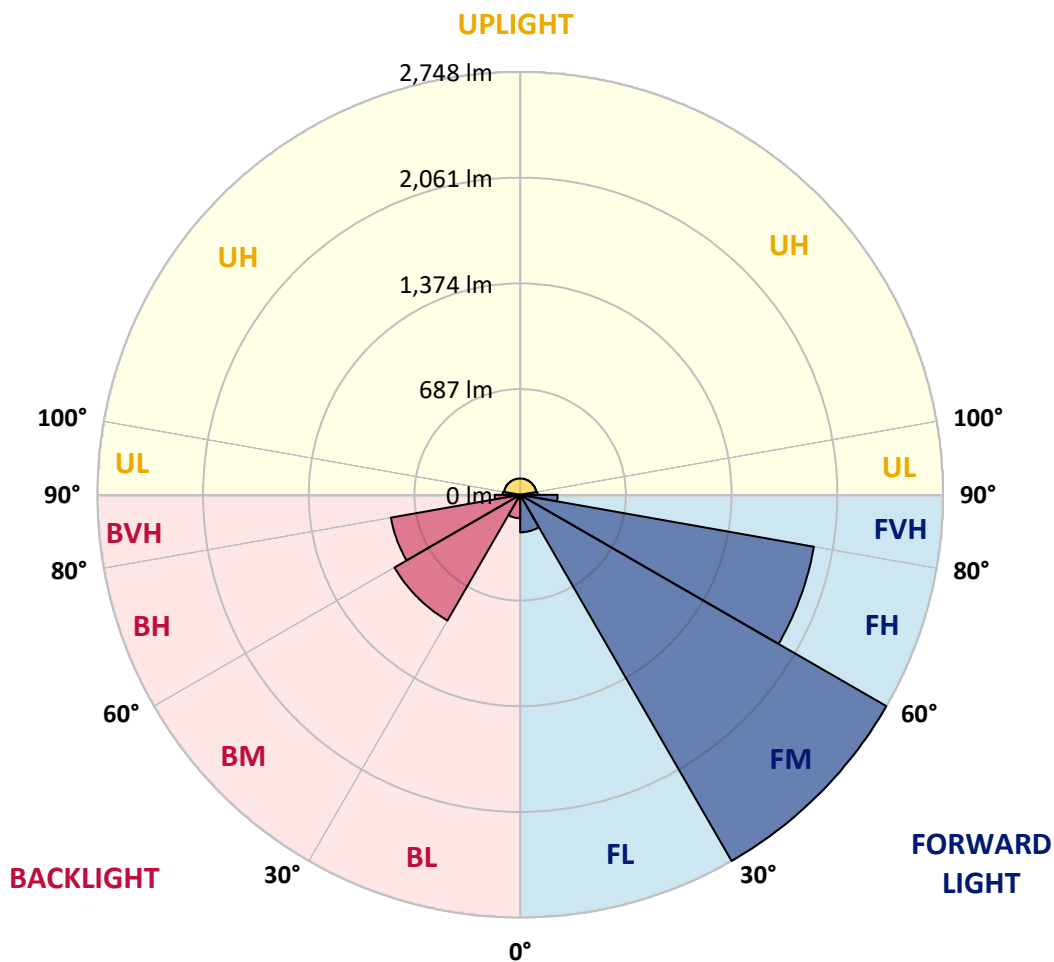
CATALOG NUMBER: LXF.LXT-PA1-100-830-U-T2U-TL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	243.5	3.2			
FM	(30°-60°)	2747.6	36.7			
FH	(60°-80°)	1938.2	25.9			G2/5000
FVH	(80°-90°)	243.2	3.2			G3/500
BL	(0°-30°)	152.2	2.0	B1/500		
BM	(30°-60°)	943.2	12.6	B1/1000		
BH	(60°-80°)	852.7	11.4	B2/1000		G2/1000
BVH	(80°-90°)	165.3	2.2			G2/225
UL	(90°-100°)	113.5	1.5		U3/500	
UH	(100°-180°)	106.4	1.4		U3/500	

BUG Rating: B2-U3-G3

Type II Short





REPORT NUMBER: P414063

CATALOG NUMBER: LXF.LXT-PA1-100-830-U-T2U-TL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	156.2	156.2	156.2	156.2	156.2	156.2	156.2	156.2	156.2	156.2	156.2
2.5°	172.7	171.8	170.0	169.2	169.2	167.4	165.7	163.1	161.4	160.5	158.8
5°	195.2	193.5	191.7	190.0	188.3	185.7	181.3	178.7	175.3	174.4	170.9
7.5°	227.3	225.6	220.4	218.6	216.0	212.6	207.4	202.1	198.7	196.1	190.9
10°	269.8	268.1	264.6	260.3	255.1	248.1	239.5	234.2	225.6	227.3	219.5
12.5°	327.9	323.6	319.3	312.3	301.9	294.1	282.0	276.8	267.2	267.2	257.7
15°	398.2	397.4	388.7	373.9	364.4	347.9	337.5	326.2	320.1	320.1	312.3
17.5°	489.3	483.2	476.3	456.4	434.7	414.7	400.8	393.0	386.1	384.3	373.9
20°	602.1	593.4	583.0	547.5	521.4	497.1	477.2	471.1	465.9	465.0	456.4
22.5°	745.3	727.0	708.0	673.3	631.6	589.1	575.2	561.3	562.2	563.9	544.0
25°	904.0	898.8	865.0	815.5	760.9	714.0	675.9	670.6	675.9	672.4	664.6
27.5°	1107.9	1090.6	1048.1	984.7	898.0	843.3	802.5	799.1	799.9	804.3	791.2
30°	1345.6	1337.0	1283.2	1177.3	1065.4	992.5	948.3	942.2	952.6	953.5	933.5
32.5°	1625.9	1608.5	1526.1	1408.1	1255.4	1162.6	1112.3	1110.5	1121.8	1124.4	1108.8
35°	1909.6	1900.9	1819.3	1650.2	1482.7	1342.2	1291.0	1294.4	1302.3	1317.9	1299.7
37.5°	2236.7	2213.2	2108.2	1929.5	1717.8	1549.5	1494.9	1507.0	1519.2	1519.2	1494.0
40°	2545.5	2536.8	2426.7	2201.9	1948.6	1792.4	1732.6	1739.5	1738.7	1739.5	1706.6
42.5°	2831.8	2802.3	2705.2	2466.6	2205.4	2046.7	1974.6	1985.9	1996.3	2004.1	1920.8
45°	3025.3	3000.1	2914.2	2679.1	2448.3	2298.3	2251.4	2251.4	2263.5	2260.1	2177.7
47.5°	3093.8	3090.4	3026.2	2847.4	2635.7	2519.5	2522.1	2531.6	2549.9	2533.4	2415.4
50°	3061.7	3047.9	3036.6	2936.8	2791.0	2735.5	2787.6	2836.2	2837.9	2808.4	2658.3
52.5°	2860.5	2862.2	2919.4	2901.2	2834.4	2890.8	3049.6	3135.5	3127.7	3099.0	2918.6
55°	2554.2	2568.1	2667.8	2744.2	2785.0	2941.1	3243.9	3421.8	3404.4	3364.5	3181.5
57.5°	2146.4	2191.5	2325.1	2491.7	2637.5	2894.3	3349.8	3669.9	3651.7	3651.7	3443.5
60°	1712.6	1749.1	1946.0	2149.0	2378.9	2736.4	3360.2	3852.1	3896.4	3868.6	3629.1
62.5°	1328.3	1343.9	1547.8	1803.7	2050.1	2470.9	3240.5	3938.9	4056.0	4032.6	3795.7
65°	977.8	1022.0	1186.9	1421.1	1676.2	2157.7	2984.5	3887.7	4116.7	4104.6	3887.7
67.5°	727.0	747.0	884.9	1101.8	1354.3	1768.2	2611.5	3663.8	4043.8	4054.3	3873.8
70°	544.8	550.1	657.6	836.4	1051.5	1395.1	2176.8	3306.4	3801.8	3848.6	3749.7
72.5°	412.1	421.6	511.0	651.6	811.2	1074.1	1720.4	2820.5	3388.8	3505.1	3467.8
75°	322.7	334.0	395.6	504.1	627.3	812.9	1302.3	2246.2	2870.9	3021.0	3062.6
77.5°	255.1	267.2	319.3	402.6	489.3	627.3	957.0	1680.5	2293.0	2443.1	2564.6
80°	200.4	209.1	255.1	316.7	385.2	463.3	670.6	1221.6	1684.0	1871.4	1982.4
82.5°	152.7	162.2	197.8	249.9	301.9	354.0	478.9	831.2	1221.6	1306.6	1495.7
85°	111.1	119.7	149.2	191.7	232.5	274.2	350.5	554.4	778.2	879.7	975.2
87.5°	81.6	85.0	111.1	142.3	178.7	207.4	252.5	354.0	494.5	544.8	624.7
90°	57.3	60.7	81.6	105.0	135.3	162.2	185.7	234.2	308.0	353.1	367.9
92.5°	42.5	45.1	60.7	79.0	104.1	125.8	140.5	165.7	200.4	219.5	231.6
95°	32.1	34.7	47.7	62.5	80.7	98.9	110.2	119.7	139.7	144.9	155.3
97.5°	26.0	27.8	39.0	51.2	65.1	81.6	87.6	92.8	99.8	105.0	109.3
100°	22.6	23.4	33.0	43.4	55.5	65.9	71.1	73.7	78.1	79.8	81.6
102.5°	20.0	20.0	28.6	37.3	47.7	55.5	59.9	59.9	60.7	61.6	60.7
105°	17.4	18.2	25.2	33.0	40.8	47.7	51.2	49.5	48.6	47.7	45.1
107.5°	16.5	16.5	22.6	29.5	36.4	41.6	44.2	40.8	39.0	37.3	34.7
110°	14.7	15.6	20.0	26.0	32.1	36.4	38.2	34.7	31.2	29.5	26.9



REPORT NUMBER: P414063

CATALOG NUMBER: LXF.LXT-PA1-100-830-U-T2U-TL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	13.9	14.7	18.2	23.4	28.6	33.0	33.0	29.5	25.2	23.4	21.7
115°	13.9	13.9	16.5	20.8	26.0	29.5	29.5	25.2	20.8	19.1	18.2
117.5°	13.9	13.9	15.6	19.1	23.4	26.0	26.0	21.7	17.4	15.6	15.6
120°	13.0	13.0	14.7	17.4	21.7	23.4	22.6	19.1	14.7	13.9	13.9
122.5°	13.0	13.0	13.9	16.5	20.0	21.7	20.8	16.5	13.0	11.3	12.1
125°	13.9	13.0	13.9	15.6	18.2	19.1	18.2	13.9	11.3	10.4	11.3
127.5°	13.9	13.9	13.0	14.7	16.5	17.4	16.5	12.1	9.5	9.5	10.4
130°	13.9	13.9	13.0	13.9	14.7	15.6	13.9	10.4	8.7	8.7	9.5
132.5°	13.9	13.9	13.0	13.0	13.9	13.9	12.1	8.7	7.8	7.8	8.7
135°	13.9	13.9	12.1	12.1	12.1	12.1	10.4	7.8	6.9	6.9	7.8
137.5°	13.0	13.0	12.1	11.3	11.3	10.4	8.7	6.1	5.2	6.1	6.9
140°	12.1	12.1	11.3	9.5	9.5	8.7	6.9	5.2	4.3	5.2	5.2
142.5°	11.3	11.3	10.4	8.7	7.8	6.9	6.1	3.5	3.5	3.5	4.3
145°	10.4	10.4	9.5	6.9	6.1	5.2	4.3	2.6	2.6	2.6	3.5
147.5°	8.7	8.7	7.8	6.1	4.3	4.3	2.6	1.7	2.6	2.6	2.6
150°	6.9	6.9	6.1	4.3	3.5	2.6	0.9	1.7	1.7	1.7	2.6
152.5°	6.1	6.1	4.3	3.5	1.7	0.9	0.9	0.9	1.7	1.7	1.7
155°	4.3	4.3	3.5	1.7	0.9	0.0	0.9	0.9	0.9	0.9	0.9
157.5°	2.6	2.6	1.7	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: P414063

CATALOG NUMBER: LXF.LXT-PA1-100-830-U-T2U-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	156.2	156.2	156.2	156.2	156.2	156.2	156.2	156.2	156.2	156.2	156.2
2.5°	157.0	157.0	156.2	155.3	154.4	153.6	151.8	151.0	151.0	150.1	150.1
5°	169.2	168.3	165.7	163.1	159.6	157.9	155.3	153.6	152.7	151.8	151.8
7.5°	188.3	186.5	181.3	177.0	172.7	169.2	164.8	162.2	161.4	158.8	159.6
10°	215.2	212.6	206.5	198.7	190.9	185.7	179.6	176.1	174.4	172.7	170.9
12.5°	254.2	249.0	238.6	228.2	216.9	206.5	200.4	197.8	199.5	198.7	199.5
15°	308.0	298.5	282.8	267.2	247.3	234.2	232.5	231.6	231.6	232.5	234.2
17.5°	368.7	358.3	338.4	309.7	286.3	273.3	265.5	264.6	269.0	269.8	269.0
20°	448.5	438.1	406.9	367.9	334.0	313.2	302.8	302.8	308.9	310.6	314.1
22.5°	534.4	528.4	485.9	432.1	386.9	353.1	338.4	340.1	348.8	351.4	353.1
25°	654.2	629.9	577.8	504.1	439.0	393.9	373.9	374.8	384.3	391.3	393.9
27.5°	786.0	758.3	681.9	585.6	491.1	427.7	405.2	406.0	417.3	426.0	427.7
30°	927.5	899.7	799.9	666.3	539.6	458.1	427.7	428.6	441.6	451.1	452.9
32.5°	1078.4	1055.9	916.2	753.1	582.2	478.9	442.5	443.3	454.6	463.3	465.0
35°	1269.3	1218.1	1054.1	830.3	617.7	491.9	449.4	448.5	459.8	468.5	470.2
37.5°	1457.6	1402.9	1185.1	902.3	638.5	495.4	447.7	447.7	456.4	463.3	464.2
40°	1662.3	1571.2	1323.1	958.7	646.4	490.2	442.5	441.6	448.5	452.0	452.9
42.5°	1882.7	1770.8	1458.4	1003.8	642.9	478.9	432.9	433.8	436.4	436.4	435.5
45°	2081.4	1967.7	1574.7	1033.3	630.7	464.2	421.6	422.5	423.4	416.4	416.4
47.5°	2314.7	2176.8	1684.0	1040.2	606.4	449.4	413.0	414.7	410.4	400.8	399.1
50°	2536.0	2382.4	1794.2	1037.6	581.3	433.8	404.3	406.0	398.2	385.2	382.6
52.5°	2782.4	2585.4	1898.3	1024.6	550.9	419.9	398.2	400.0	391.3	375.7	373.1
55°	3025.3	2800.6	1993.7	1002.1	524.9	405.2	392.2	396.5	385.2	369.6	368.7
57.5°	3256.9	3014.0	2072.7	969.1	497.1	394.8	387.8	393.0	382.6	367.0	366.1
60°	3463.4	3195.3	2136.0	937.0	466.8	384.3	383.5	390.4	380.9	367.9	367.0
62.5°	3608.3	3358.4	2164.6	893.6	442.5	373.1	378.3	385.2	378.3	367.9	367.9
65°	3723.7	3431.3	2153.4	836.4	416.4	360.9	371.3	378.3	373.9	367.0	367.9
67.5°	3702.0	3429.6	2079.6	767.8	392.2	347.9	359.2	368.7	365.3	362.7	361.8
70°	3568.4	3267.4	1938.2	693.2	367.0	331.4	344.4	354.0	353.1	352.2	352.2
72.5°	3293.4	2986.3	1726.5	607.3	341.0	314.1	325.3	334.0	335.8	334.9	332.3
75°	2934.2	2599.3	1481.0	526.6	314.1	293.2	305.4	310.6	313.2	311.5	311.5
77.5°	2407.6	2167.2	1177.3	445.1	285.4	269.8	278.5	282.8	286.3	282.0	279.4
80°	1913.0	1648.4	905.8	363.5	254.2	243.8	248.1	249.9	253.3	249.0	243.8
82.5°	1343.0	1174.7	656.8	296.7	223.0	214.3	216.9	216.0	217.8	211.7	204.8
85°	897.1	789.5	452.0	238.6	190.9	183.1	183.1	180.5	178.7	172.7	167.4
87.5°	563.1	499.7	310.6	188.3	160.5	154.4	151.0	145.8	144.0	139.7	133.6
90°	347.0	319.3	216.9	151.0	133.6	128.4	124.9	117.1	116.3	109.3	105.0
92.5°	227.3	208.2	160.5	122.3	111.9	106.7	102.4	95.4	94.6	89.4	86.8
95°	150.1	145.8	122.3	102.4	94.6	90.2	85.9	79.8	78.1	72.9	69.4
97.5°	110.2	110.2	100.6	86.8	80.7	76.3	73.7	68.5	65.1	59.9	58.1
100°	83.3	84.2	80.7	74.6	69.4	65.1	62.5	58.1	55.5	50.3	49.5
102.5°	64.2	65.9	66.8	63.3	59.9	56.4	53.8	50.3	46.8	41.6	40.8
105°	49.5	51.2	54.7	53.8	52.1	49.5	46.8	43.4	39.0	34.7	34.7
107.5°	38.2	39.9	45.1	46.0	45.1	42.5	40.8	37.3	33.8	29.5	29.5
110°	29.5	32.1	37.3	39.0	39.0	37.3	35.6	32.1	27.8	25.2	25.2



REPORT NUMBER: P414063

CATALOG NUMBER: LXF.LXT-PA1-100-830-U-T2U-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	24.3	26.9	31.2	33.8	33.8	33.0	30.4	26.9	23.4	21.7	21.7
115°	20.0	22.6	26.9	29.5	29.5	28.6	26.9	23.4	20.0	19.1	19.1
117.5°	17.4	19.1	22.6	25.2	26.0	25.2	23.4	20.0	17.4	17.4	17.4
120°	15.6	17.4	20.0	21.7	22.6	21.7	20.0	17.4	14.7	15.6	15.6
122.5°	13.9	14.7	17.4	20.0	20.0	20.0	18.2	14.7	13.0	13.9	13.9
125°	12.1	13.9	15.6	17.4	18.2	17.4	15.6	13.0	11.3	12.1	13.0
127.5°	11.3	12.1	13.9	15.6	15.6	15.6	13.9	11.3	10.4	11.3	11.3
130°	10.4	11.3	12.1	13.9	13.9	13.9	12.1	9.5	9.5	10.4	10.4
132.5°	9.5	10.4	11.3	12.1	12.1	12.1	10.4	8.7	7.8	9.5	9.5
135°	8.7	8.7	9.5	10.4	10.4	10.4	8.7	6.9	6.9	8.7	8.7
137.5°	6.9	7.8	8.7	8.7	8.7	8.7	6.9	6.1	6.1	6.9	6.9
140°	6.1	6.1	6.9	6.9	6.9	6.9	6.1	4.3	5.2	6.1	6.1
142.5°	5.2	5.2	6.1	6.1	6.1	5.2	4.3	3.5	4.3	5.2	5.2
145°	3.5	4.3	4.3	4.3	4.3	3.5	2.6	2.6	3.5	4.3	4.3
147.5°	3.5	3.5	3.5	3.5	3.5	2.6	1.7	1.7	2.6	3.5	3.5
150°	2.6	2.6	3.5	3.5	2.6	1.7	0.9	0.9	1.7	2.6	2.6
152.5°	1.7	1.7	2.6	2.6	1.7	0.9	0.0	0.0	0.9	0.9	0.9
155°	1.7	1.7	1.7	1.7	1.7	0.9	0.0	0.0	0.0	0.0	0.0
157.5°	0.9	0.9	1.7	1.7	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)