

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: P414023

Luminaire Tested: **LXF.LXT-PA1-100-827-U-T4W-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414023
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-8)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-100-827-U-T4W-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6974 lumens
Efficiency: N/A
Efficacy: 72.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B2 - U3 - G3

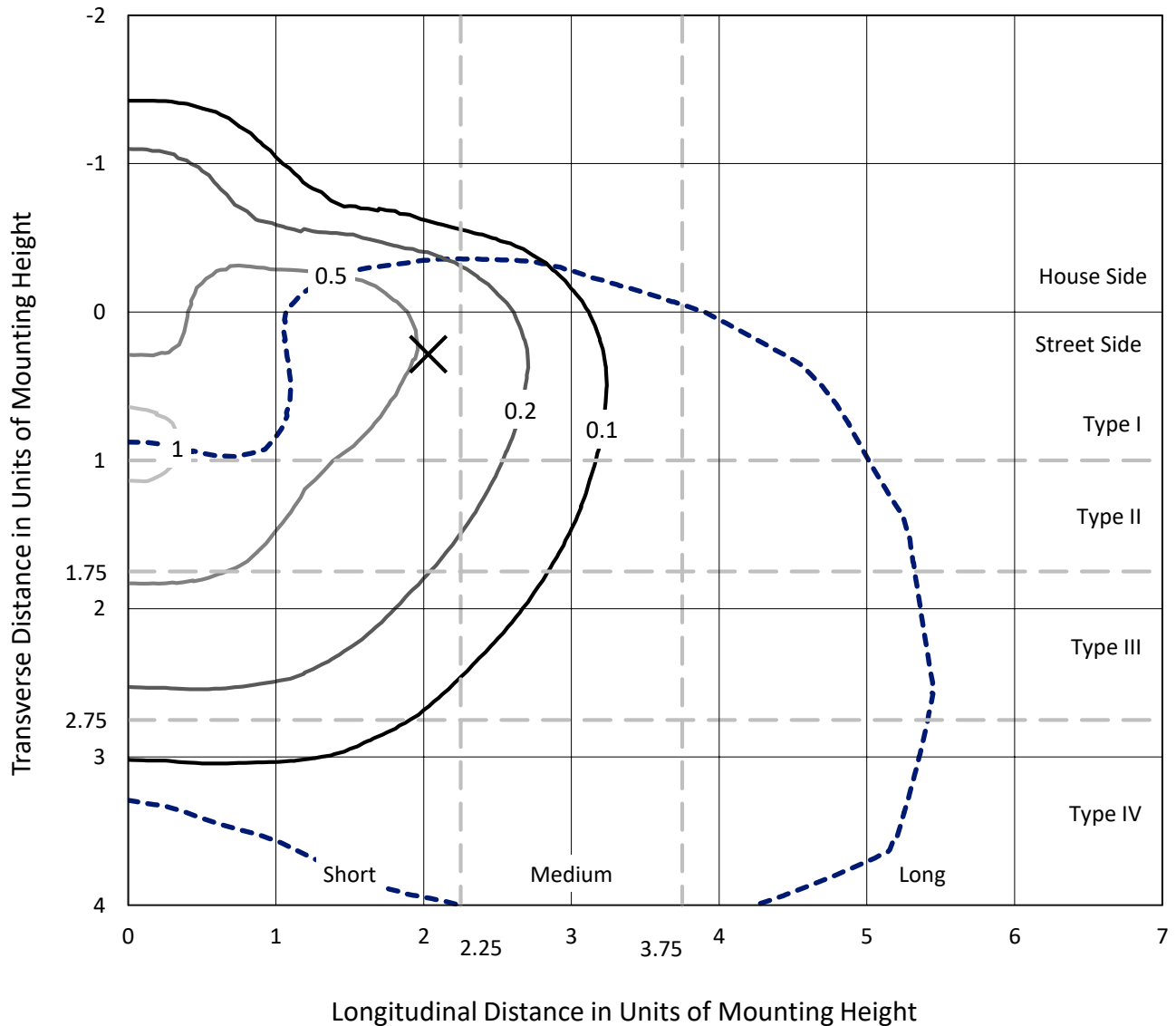
Input Watts (W): 96
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P414023
 CATALOG NUMBER: LXF.LXT-PA1-100-827-U-T4W-A

Iso-Footcandle Lines of Horizontal Illumination

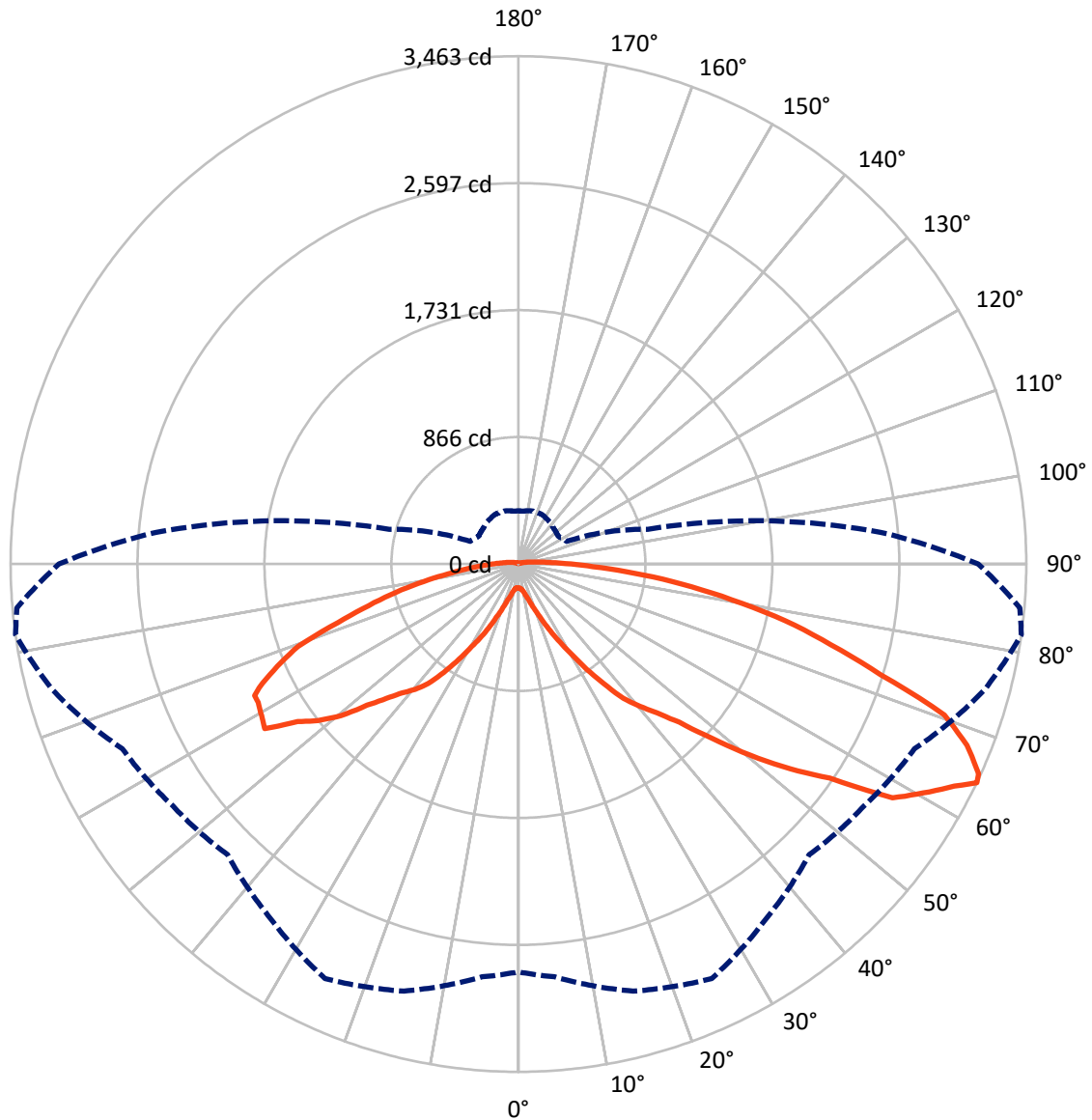
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P414023
CATALOG NUMBER: LXF.LXT-PA1-100-827-U-T4W-A

Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

REPORT NUMBER: P414023

CATALOG NUMBER: LXF.LXT-PA1-100-827-U-T4W-A

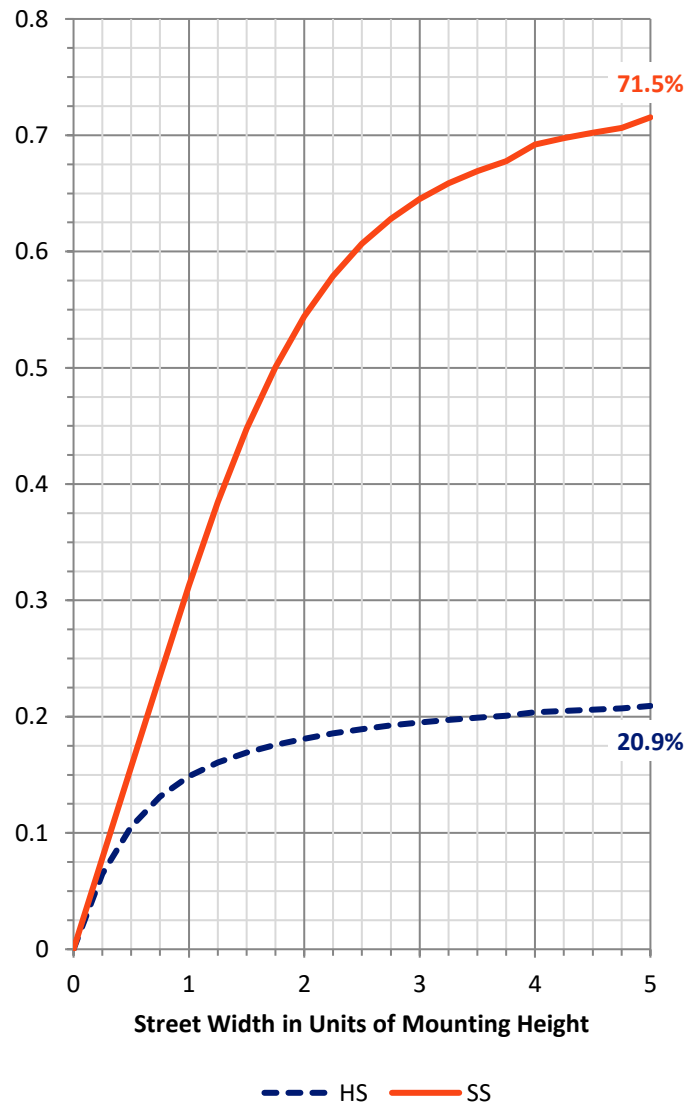
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1533.1	114.8	1647.9
	% Fixture	22.0	1.6	23.6
Street Side	Lumens	5175.5	150.5	5326.0
	% Fixture	74.2	2.2	76.4
Total	Lumens	6708.6	265.3	6974.0
	% Fixture	96.2	3.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.8	0.2
10°-20°	71.7	1.0
20°-30°	206.7	3.0
30°-40°	474.6	6.8
40°-50°	833.5	12.0
50°-60°	1338.8	19.2
60°-70°	1797.2	25.8
70°-80°	1374.1	19.7
80°-90°	595.2	8.5
90°-100°	167.2	2.4
100°-110°	50.8	0.7
110°-120°	22.3	0.3
120°-130°	12.7	0.2
130°-140°	7.7	0.1
140°-150°	3.4	0.0
150°-160°	1.1	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6708.6	96.2
0°-180°	6974.0	100.0



REPORT NUMBER: P414023

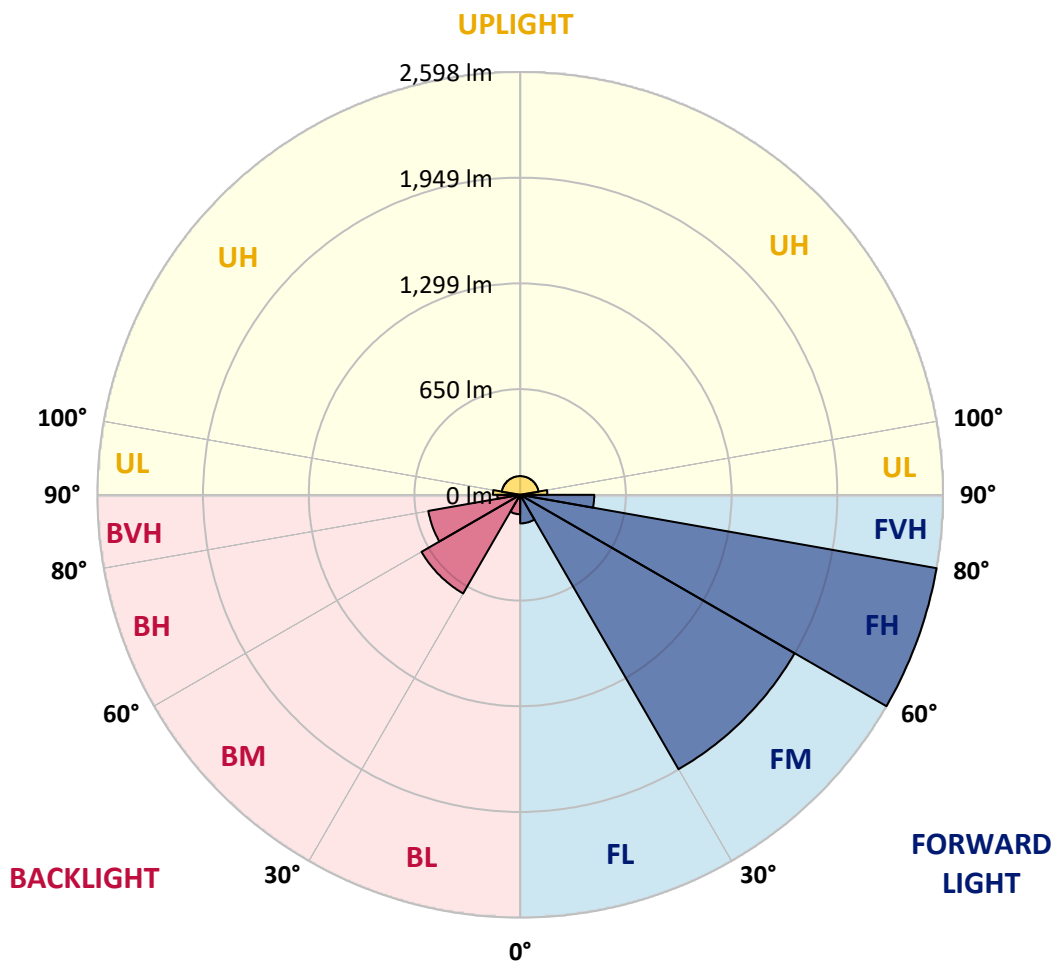
CATALOG NUMBER: LXF.LXT-PA1-100-827-U-T4W-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	175.6	2.5			
FM (30°-60°)	1946.8	27.9			
FH (60°-80°)	2598.2	37.3			G2/5000
FVH (80°-90°)	455.0	6.5			G3/500
BL (0°-30°)	119.7	1.7	B1/500		
BM (30°-60°)	700.2	10.0	B1/1000		
BH (60°-80°)	573.1	8.2	B2/1000		G2/1000
BVH (80°-90°)	140.2	2.0			G2/225
UL (90°-100°)	167.2	2.4		U3/500	
UH (100°-180°)	114.8	1.6		U3/500	

BUG Rating: B2-U3-G3

Type IV Short





REPORT NUMBER: P414023

CATALOG NUMBER: LXF.LXT-PA1-100-827-U-T4W-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	162.9	162.9	162.9	162.9	162.9	162.9	162.9	162.9	162.9	162.9	162.9
2.5°	175.0	174.2	174.2	175.0	175.0	173.4	170.2	167.8	165.3	164.5	163.7
5°	191.0	190.2	189.4	190.2	187.8	185.4	180.6	175.8	172.6	169.4	168.6
7.5°	212.7	211.9	211.1	209.5	206.3	201.5	194.2	187.8	182.2	178.2	176.6
10°	240.8	237.6	236.8	233.6	228.0	219.9	211.9	203.9	197.5	191.8	189.4
12.5°	279.3	279.3	272.9	265.7	256.0	244.0	233.6	227.2	220.7	217.5	212.7
15°	326.7	325.1	318.7	306.6	290.6	276.9	265.7	257.7	253.6	248.0	245.6
17.5°	378.9	375.6	370.0	351.6	332.3	317.9	305.0	297.0	294.6	289.8	289.0
20°	447.1	442.3	428.6	406.1	379.7	363.6	351.6	342.7	341.9	343.5	342.7
22.5°	528.2	524.9	508.1	467.1	437.4	414.2	398.1	399.7	410.2	415.0	408.6
25°	625.3	628.5	600.4	545.8	506.5	467.1	460.7	469.6	492.8	505.7	506.5
27.5°	740.1	739.2	702.3	642.1	581.1	537.0	526.5	552.2	585.1	603.6	603.6
30°	868.5	879.7	827.5	748.9	663.8	611.6	603.6	642.9	677.4	710.4	720.0
32.5°	1039.4	1037.0	969.6	874.9	761.7	687.9	681.5	731.2	809.1	854.8	854.8
35°	1252.1	1243.3	1149.4	1007.3	855.6	773.0	773.8	842.8	945.5	1001.7	1007.3
37.5°	1435.2	1442.4	1347.7	1175.1	976.8	870.1	879.7	972.8	1096.4	1162.3	1184.7
40°	1631.0	1633.4	1529.1	1341.2	1107.7	973.6	996.9	1104.5	1221.6	1276.2	1297.9
42.5°	1803.6	1818.0	1713.7	1508.2	1240.1	1100.4	1111.7	1205.6	1322.0	1387.0	1417.5
45°	1922.4	1930.4	1866.2	1661.5	1383.8	1229.7	1228.1	1315.6	1465.7	1537.9	1586.9
47.5°	2083.7	2105.4	2013.1	1815.6	1531.5	1361.3	1347.7	1460.0	1657.5	1774.7	1816.4
50°	2273.1	2306.0	2241.0	2002.6	1700.0	1516.2	1518.6	1652.7	1895.9	2049.2	2092.5
52.5°	2461.8	2474.6	2431.3	2227.4	1895.9	1696.8	1716.1	1883.8	2163.2	2320.5	2347.0
55°	2562.9	2581.4	2594.2	2432.9	2131.1	1911.1	1944.8	2147.1	2391.1	2575.7	2635.9
57.5°	2659.2	2684.9	2718.6	2608.6	2364.6	2176.0	2208.9	2388.7	2745.1	3008.4	3054.1
60°	2822.2	2844.6	2909.6	2819.7	2578.9	2428.8	2463.4	2716.2	2989.1	3170.5	3175.3
62.5°	2819.7	2855.1	3012.4	3034.9	2808.5	2672.1	2756.3	2892.8	3108.7	3336.7	3331.8
64°	2781.2	2825.4	3014.8	3119.1	2948.2	2803.7	2876.7	2979.5	3294.1	3462.7	3432.2
65°	2753.9	2802.9	3007.6	3140.8	3024.4	2878.3	2932.9	3051.7	3347.9	3448.2	3406.5
67.5°	2603.8	2658.4	2929.7	3138.4	3103.1	2995.5	3013.2	3124.0	3258.8	3298.1	3223.5
70°	2334.9	2363.8	2672.1	3006.8	3025.2	2922.5	2970.6	3027.6	3101.5	3082.2	2984.3
72.5°	1842.9	1902.3	2213.7	2690.5	2795.7	2721.8	2740.3	2768.4	2693.7	2583.0	2466.6
75°	1312.3	1365.3	1655.9	2122.2	2434.5	2404.8	2430.5	2385.5	2302.8	2201.7	2087.7
77.5°	912.6	929.5	1169.5	1601.3	1945.6	2036.3	2091.7	2028.3	1981.8	1860.6	1769.1
80°	590.8	618.9	769.8	1159.8	1541.9	1727.3	1816.4	1775.5	1667.1	1473.7	1369.3
82.5°	366.0	388.5	507.3	823.5	1222.5	1480.1	1566.0	1509.8	1336.4	1120.5	1016.2
85°	209.5	214.3	297.0	536.2	893.4	1175.9	1290.7	1200.8	999.3	790.6	699.1
87.5°	120.4	124.4	177.4	328.3	618.0	886.1	995.3	864.5	671.0	508.1	447.9
90°	77.1	81.9	114.8	214.3	398.1	633.3	713.6	593.2	449.5	321.9	283.3
92.5°	53.0	55.4	77.1	133.2	256.9	418.2	476.8	396.5	280.1	205.5	182.2
95°	38.5	40.1	54.6	90.7	165.3	262.5	294.6	251.2	183.8	136.5	122.0
97.5°	31.3	32.1	42.5	66.6	114.0	167.0	176.6	156.5	122.0	97.1	91.5
100°	26.5	27.3	35.3	51.4	81.1	109.2	111.6	105.1	85.9	72.2	69.0
102.5°	24.1	24.1	29.7	41.7	61.0	77.9	77.9	72.2	59.4	53.0	53.0
105°	21.7	21.7	25.7	34.5	48.2	60.2	59.4	53.0	44.9	40.1	40.9
107.5°	19.3	19.3	22.5	28.1	39.3	47.4	45.8	39.3	34.5	31.3	32.1



REPORT NUMBER: P414023

CATALOG NUMBER: LXF.LXT-PA1-100-827-U-T4W-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
110°	17.7	17.7	20.1	24.1	32.9	39.3	36.9	30.5	25.7	25.7	26.5
112.5°	16.1	16.1	17.7	21.7	28.1	32.1	29.7	24.1	20.9	20.9	21.7
115°	14.4	14.4	16.1	19.3	24.9	27.3	24.9	19.3	16.9	17.7	19.3
117.5°	13.6	13.6	15.3	17.7	21.7	23.3	20.9	16.1	14.4	16.1	16.9
120°	12.8	12.8	14.4	16.9	20.1	20.9	17.7	14.4	12.8	14.4	15.3
122.5°	12.8	12.8	13.6	16.1	18.5	18.5	16.1	12.8	11.2	12.8	13.6
125°	12.8	12.8	13.6	15.3	16.9	16.9	14.4	11.2	10.4	12.0	12.0
127.5°	13.6	13.6	14.4	15.3	16.1	15.3	12.8	10.4	9.6	11.2	11.2
130°	13.6	13.6	13.6	14.4	14.4	13.6	11.2	9.6	9.6	10.4	11.2
132.5°	13.6	13.6	13.6	13.6	13.6	12.0	10.4	8.8	9.6	10.4	11.2
135°	12.8	12.8	12.8	12.8	12.0	10.4	8.8	7.2	8.8	9.6	9.6
137.5°	11.2	12.0	11.2	11.2	11.2	9.6	7.2	6.4	7.2	8.8	8.8
140°	10.4	10.4	10.4	10.4	9.6	8.0	6.4	4.8	5.6	7.2	7.2
142.5°	9.6	9.6	9.6	8.8	8.8	7.2	4.8	4.0	4.8	5.6	5.6
145°	8.0	8.0	8.0	8.0	7.2	5.6	4.0	3.2	4.0	4.8	4.8
147.5°	6.4	6.4	6.4	6.4	5.6	4.8	3.2	3.2	4.0	4.0	4.0
150°	4.8	5.6	5.6	5.6	4.8	4.0	2.4	2.4	3.2	4.0	4.0
152.5°	4.0	4.0	4.0	4.8	4.0	2.4	1.6	2.4	3.2	3.2	3.2
155°	2.4	3.2	3.2	3.2	3.2	2.4	1.6	2.4	2.4	3.2	3.2
157.5°	1.6	1.6	2.4	2.4	2.4	2.4	1.6	1.6	2.4	2.4	2.4
160°	0.8	0.8	1.6	2.4	2.4	2.4	1.6	1.6	2.4	2.4	2.4
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: P414023

CATALOG NUMBER: LXF.LXT-PA1-100-827-U-T4W-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	162.9	162.9	162.9	162.9	162.9	162.9	162.9	162.9	162.9	162.9	162.9
2.5°	162.9	162.1	160.5	158.9	158.1	158.1	156.5	155.7	153.3	153.3	152.5
5°	166.2	164.5	161.3	158.1	155.7	154.9	153.3	150.9	149.3	148.5	148.5
7.5°	173.4	171.0	164.5	160.5	157.3	154.9	153.3	150.9	149.3	148.5	148.5
10°	185.4	181.4	174.2	167.0	162.1	158.9	157.3	156.5	155.7	154.9	154.9
12.5°	208.7	203.1	191.0	182.2	172.6	167.8	166.2	167.8	171.8	173.4	174.2
15°	240.8	233.6	219.1	203.1	188.6	180.6	183.8	191.8	199.1	202.3	201.5
17.5°	280.9	269.7	252.0	230.4	210.3	206.3	209.5	218.3	228.8	233.6	232.8
20°	332.3	323.5	297.0	261.7	239.2	232.8	235.2	246.4	261.7	266.5	268.1
22.5°	402.9	390.1	349.2	300.2	270.5	258.5	260.9	275.3	296.2	307.4	309.8
25°	494.4	480.8	420.6	345.9	299.4	280.9	290.6	309.8	343.5	361.2	359.6
27.5°	600.4	577.1	498.5	402.1	333.1	304.2	318.7	350.0	385.3	407.8	406.1
30°	698.3	678.2	573.1	453.5	362.0	326.7	341.9	382.1	423.0	450.3	451.9
32.5°	845.2	808.3	660.6	497.6	385.3	345.1	359.6	408.6	455.9	488.8	488.0
35°	996.9	955.2	756.9	549.0	405.3	357.2	372.4	427.8	480.0	519.3	520.1
37.5°	1156.6	1098.0	842.8	582.7	421.4	364.4	379.7	441.5	508.1	553.0	554.6
40°	1264.2	1197.6	895.0	600.4	426.2	369.2	386.1	451.1	512.9	545.8	549.0
42.5°	1384.6	1290.7	922.3	585.9	420.6	368.4	387.7	443.9	492.0	515.3	517.7
45°	1550.7	1424.7	952.0	563.5	405.3	366.0	381.3	424.6	455.9	464.7	464.7
47.5°	1766.7	1587.7	1001.7	539.4	389.3	358.8	370.0	398.1	410.2	408.6	404.5
50°	2025.9	1818.8	1061.9	518.5	374.0	350.0	357.2	373.2	377.3	372.4	370.0
52.5°	2284.4	2005.0	1103.7	500.1	364.4	341.9	346.7	358.8	358.8	344.3	341.9
55°	2521.2	2173.6	1092.4	464.7	357.2	337.9	342.7	351.6	344.3	327.5	324.3
57.5°	2904.0	2465.0	1121.3	430.2	346.7	337.1	343.5	349.2	338.7	322.7	319.5
60°	2972.2	2452.9	1053.1	408.6	339.5	339.5	346.7	353.2	345.9	331.5	330.7
62.5°	3067.0	2464.2	949.5	377.3	334.7	341.1	354.0	363.6	362.8	352.4	350.8
64°	3133.6	2480.2	912.6	362.8	330.7	341.1	359.6	374.0	374.0	362.0	362.0
65°	3067.8	2419.2	885.3	355.6	326.7	341.1	362.8	380.5	378.9	369.2	367.6
67.5°	2868.7	2221.0	769.8	339.5	317.9	341.1	371.6	390.9	393.3	385.3	382.1
70°	2625.5	2004.2	669.4	321.1	309.0	337.1	371.6	397.3	401.3	392.5	390.1
72.5°	2139.9	1611.7	552.2	301.0	296.2	327.5	366.8	394.1	398.1	387.7	384.5
75°	1793.9	1316.4	457.5	281.7	282.5	315.4	354.8	379.7	379.7	368.4	363.6
77.5°	1477.7	1062.7	378.9	263.3	266.5	300.2	333.1	349.2	344.3	333.9	327.5
80°	1106.9	802.7	312.2	243.2	246.4	275.3	302.6	313.8	309.0	296.2	294.6
82.5°	809.9	577.1	266.5	222.3	224.7	248.0	268.1	277.7	281.7	271.3	268.1
85°	532.2	406.9	228.8	201.5	203.1	220.7	233.6	241.6	250.4	247.2	245.6
87.5°	347.6	281.7	193.4	177.4	179.0	193.4	202.3	210.3	228.0	230.4	227.2
90°	233.6	197.5	159.7	153.3	155.7	167.8	172.6	180.6	199.9	203.1	203.1
92.5°	156.5	141.3	129.2	129.2	133.2	143.7	144.5	146.9	162.9	167.0	165.3
95°	110.0	105.1	104.3	106.0	110.8	118.8	114.8	113.2	123.6	124.4	122.8
97.5°	84.3	82.7	84.3	86.7	89.1	97.1	93.1	89.1	93.9	92.3	93.9
100°	67.4	66.6	69.0	69.0	71.4	78.7	75.5	73.0	73.8	70.6	70.6
102.5°	53.8	53.8	56.2	57.0	58.6	64.2	63.4	61.0	59.4	56.2	57.0
105°	41.7	42.5	45.8	46.6	49.0	53.8	53.0	49.8	48.2	44.1	44.9
107.5°	33.7	35.3	37.7	38.5	40.9	44.9	43.3	40.1	37.7	36.1	36.1



REPORT NUMBER: P414023

CATALOG NUMBER: LXF.LXT-PA1-100-827-U-T4W-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	28.1	28.9	31.3	32.1	34.5	37.7	36.9	32.9	29.7	28.9	29.7
112.5°	23.3	24.9	26.5	27.3	29.7	32.1	29.7	26.5	24.1	24.9	24.9
115°	20.1	20.9	22.5	23.3	24.9	27.3	24.9	21.7	20.1	20.9	21.7
117.5°	18.5	19.3	20.1	20.1	21.7	23.3	20.9	18.5	17.7	18.5	19.3
120°	16.1	16.9	17.7	18.5	19.3	20.1	18.5	16.1	15.3	16.9	16.9
122.5°	14.4	15.3	15.3	16.1	16.9	17.7	16.1	14.4	13.6	14.4	15.3
125°	12.8	13.6	14.4	14.4	15.3	15.3	14.4	12.8	12.8	13.6	13.6
127.5°	12.0	12.8	12.8	13.6	13.6	13.6	12.8	11.2	12.0	12.8	12.8
130°	12.0	12.0	12.0	12.0	12.0	12.0	11.2	10.4	11.2	12.0	12.0
132.5°	11.2	11.2	11.2	11.2	11.2	10.4	9.6	9.6	10.4	11.2	11.2
135°	10.4	10.4	9.6	9.6	9.6	9.6	8.8	8.8	8.8	9.6	9.6
137.5°	8.8	8.8	8.0	8.0	8.0	8.0	7.2	7.2	8.0	8.8	8.8
140°	7.2	7.2	6.4	6.4	6.4	6.4	6.4	6.4	7.2	7.2	8.0
142.5°	5.6	5.6	5.6	4.8	4.8	5.6	5.6	5.6	6.4	6.4	6.4
145°	4.8	4.8	4.8	4.0	4.0	4.8	4.8	4.8	5.6	5.6	5.6
147.5°	4.0	4.0	4.0	3.2	2.4	4.0	4.0	4.0	4.8	4.0	4.0
150°	4.0	4.0	3.2	2.4	2.4	2.4	3.2	3.2	3.2	3.2	3.2
152.5°	3.2	3.2	3.2	2.4	1.6	1.6	2.4	3.2	2.4	2.4	2.4
155°	3.2	3.2	2.4	2.4	1.6	0.8	1.6	2.4	1.6	1.6	1.6
157.5°	2.4	2.4	2.4	1.6	0.8	0.8	1.6	1.6	0.8	0.8	0.8
160°	2.4	2.4	1.6	1.6	0.8	0.8	1.6	1.6	0.8	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)