

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: P413842

Luminaire Tested: **LXF.LXT-PA1-100-740-U-T2R-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P413842
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-5)
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-T2R-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8998 lumens
Efficiency: N/A
Efficacy: 93.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B2 - U3 - G3

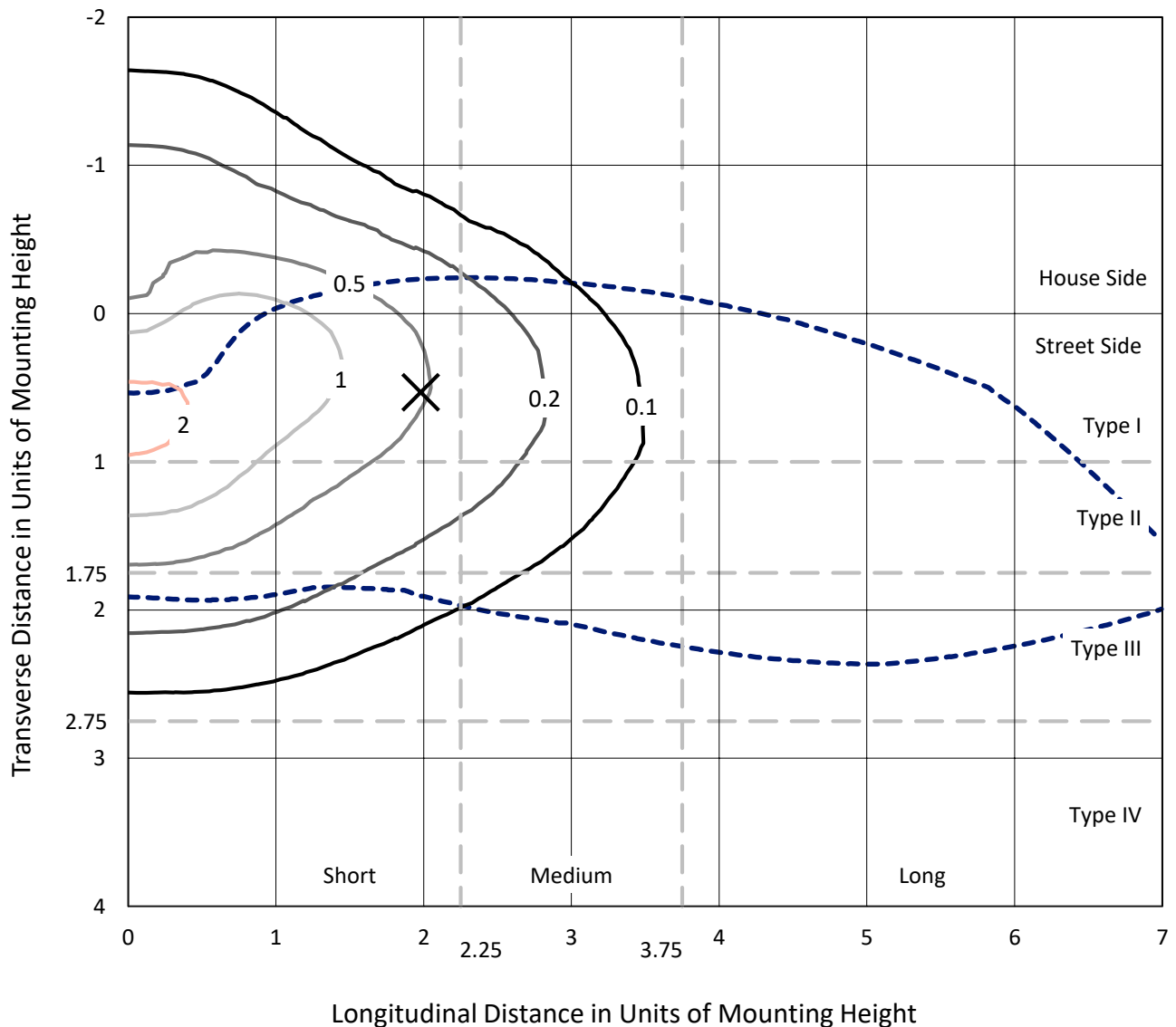
Input Watts (W): 96
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P413842
 CATALOG NUMBER: LXF.LXT-PA1-100-740-U-T2R-FL

Iso-Footcandle Lines of Horizontal Illumination

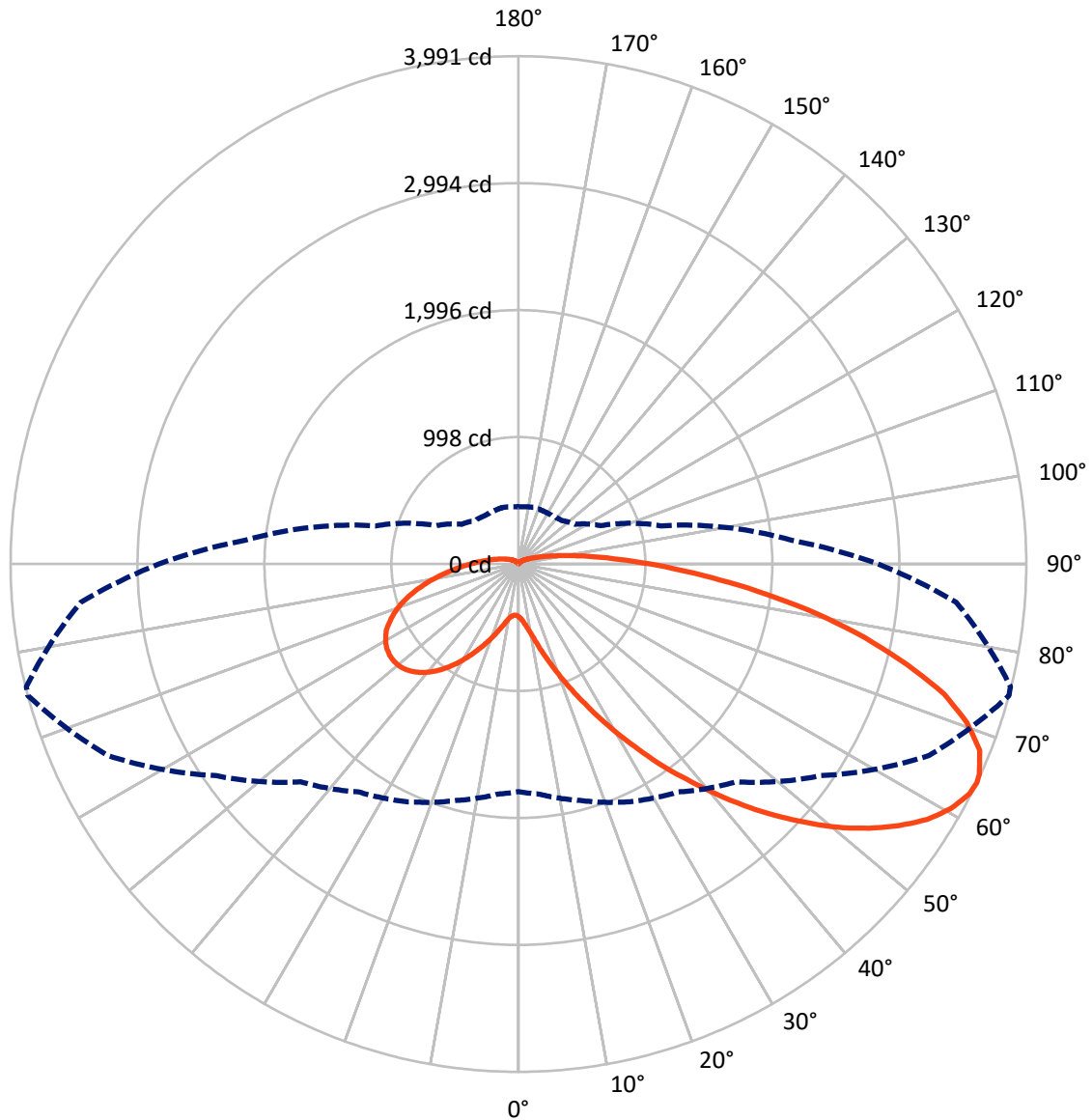
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P413842
CATALOG NUMBER: LXF.LXT-PA1-100-740-U-T2R-FL

Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

REPORT NUMBER: P413842

CATALOG NUMBER: LXF.LXT-PA1-100-740-U-T2R-FL

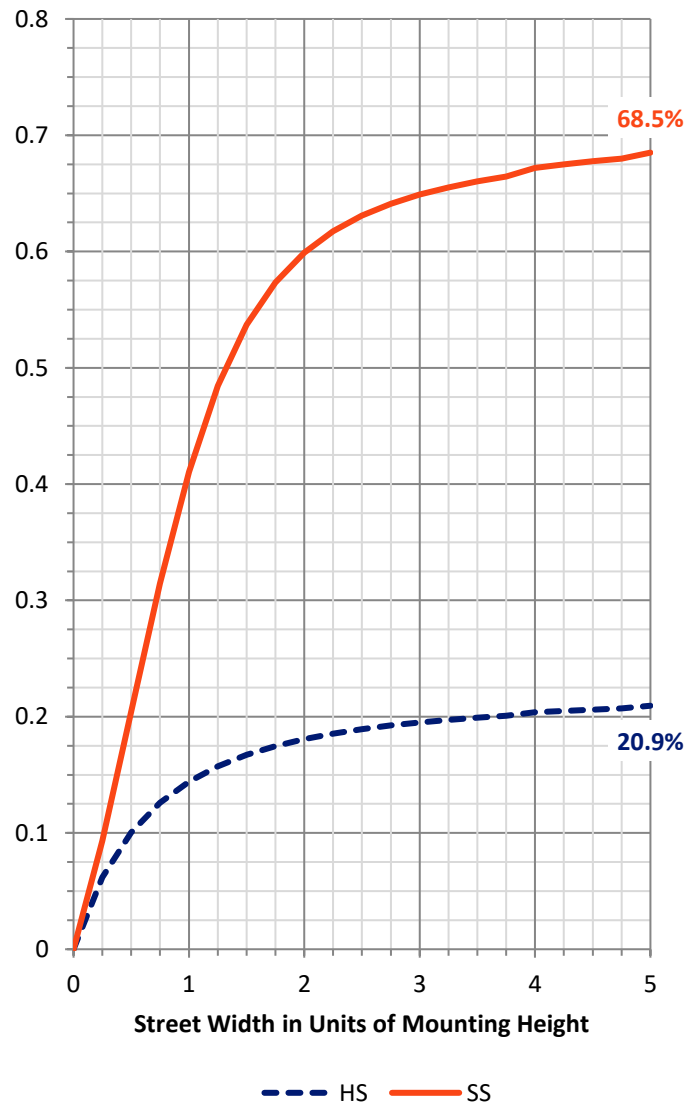
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1984.6	261.4	2246.0
	% Fixture	22.1	2.9	25.0
Street Side	Lumens	6354.4	397.6	6752.1
	% Fixture	70.6	4.4	75.0
Total	Lumens	8339.0	659.0	8998.0
	% Fixture	92.7	7.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.6	0.5
10°-20°	181.5	2.0
20°-30°	459.4	5.1
30°-40°	899.8	10.0
40°-50°	1399.8	15.6
50°-60°	1716.7	19.1
60°-70°	1668.8	18.5
70°-80°	1258.6	14.0
80°-90°	710.6	7.9
90°-100°	335.2	3.7
100°-110°	161.9	1.8
110°-120°	85.0	0.9
120°-130°	45.7	0.5
130°-140°	22.4	0.2
140°-150°	7.7	0.1
150°-160°	1.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	8339.0	92.7
0°-180°	8998.0	100.0



REPORT NUMBER: P413842

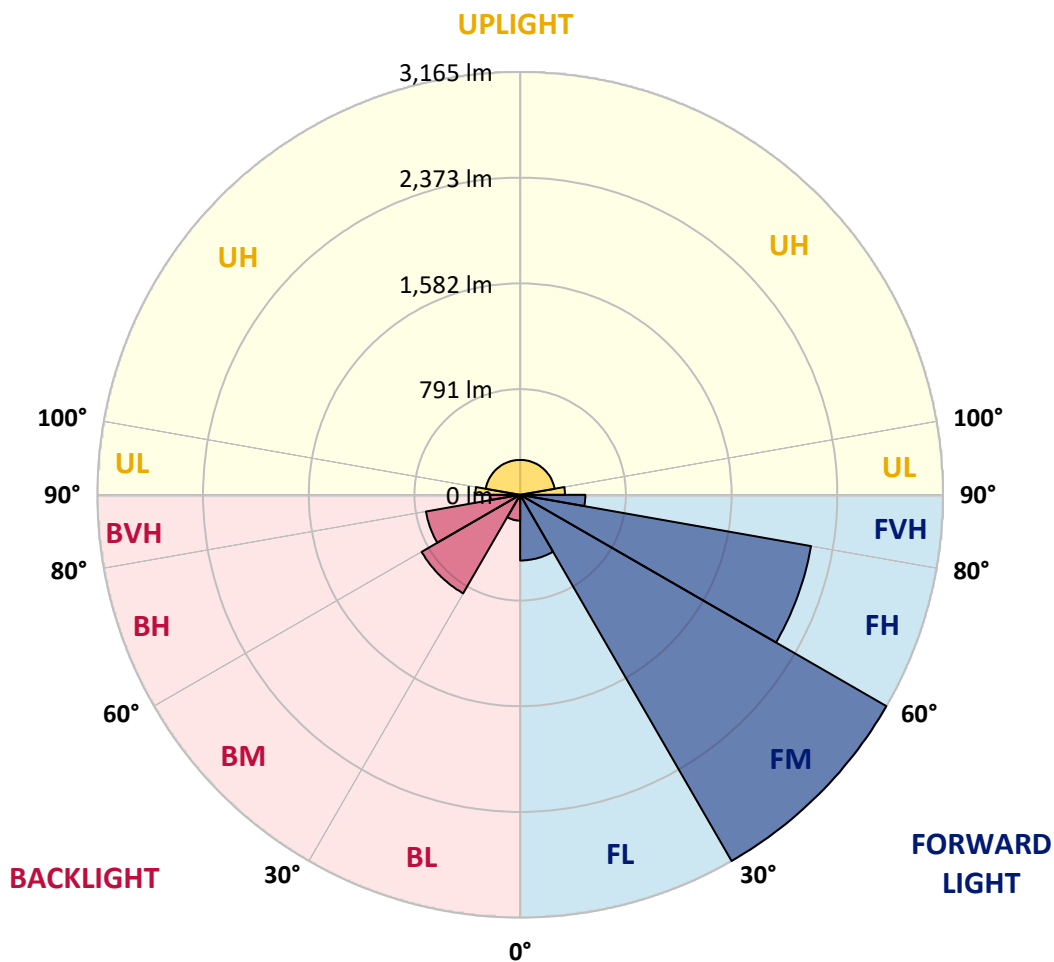
CATALOG NUMBER: LXF.LXT-PA1-100-740-U-T2R-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	491.6	5.5			
FM (30°-60°)	3164.6	35.2			
FH (60°-80°)	2210.8	24.6			G2/5000
FVH (80°-90°)	487.4	5.4			G3/500
BL (0°-30°)	193.1	2.1	B1/500		
BM (30°-60°)	851.7	9.5	B1/1000		
BH (60°-80°)	716.6	8.0	B2/1000		G2/1000
BVH (80°-90°)	223.3	2.5			G2/225
UL (90°-100°)	335.2	3.7		U3/500	
UH (100°-180°)	261.4	2.9		U3/500	

BUG Rating: B2-U3-G3

Type III Short





REPORT NUMBER: P413842

CATALOG NUMBER: LXF.LXT-PA1-100-740-U-T2R-FL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	414.9	414.9	414.9	414.9	414.9	414.9	414.9	414.9	414.9	414.9	414.9
2.5°	483.6	479.3	477.1	476.0	468.4	460.7	452.0	443.2	433.4	431.2	422.5
5°	559.0	553.5	551.3	544.8	533.9	520.8	502.2	484.7	462.9	464.0	444.3
7.5°	645.2	640.9	634.3	624.5	608.1	590.6	563.3	537.1	507.7	504.4	476.0
10°	743.5	740.2	733.7	718.4	697.6	668.1	640.9	601.6	560.1	557.9	516.4
12.5°	861.4	857.0	838.5	823.2	795.9	768.6	727.1	680.2	635.4	629.9	578.6
15°	994.6	988.0	974.9	950.9	921.4	876.7	833.0	786.1	727.1	717.3	657.2
17.5°	1131.0	1131.0	1114.7	1086.3	1045.9	1006.6	958.6	899.6	825.4	824.3	744.6
20°	1302.5	1300.3	1275.2	1233.7	1193.3	1151.8	1093.9	1027.3	944.4	936.7	839.6
22.5°	1488.1	1485.9	1455.3	1410.5	1358.1	1299.2	1234.8	1164.9	1074.3	1064.5	950.9
25°	1688.9	1687.8	1656.2	1587.4	1520.8	1465.1	1398.5	1321.0	1216.2	1214.0	1077.6
27.5°	1933.5	1921.5	1872.3	1788.3	1704.2	1632.2	1554.6	1484.8	1380.0	1363.6	1211.8
30°	2169.3	2162.7	2096.2	2005.5	1889.8	1794.8	1716.2	1662.7	1554.6	1539.4	1369.1
32.5°	2412.8	2408.4	2327.6	2222.8	2079.8	1961.9	1900.7	1842.9	1739.2	1732.6	1524.1
35°	2682.4	2665.0	2572.2	2428.0	2262.1	2130.0	2075.4	2049.2	1946.6	1922.6	1694.4
37.5°	2903.0	2889.9	2805.8	2630.0	2434.6	2292.7	2251.2	2233.7	2145.3	2135.5	1878.9
40°	3115.8	3106.0	3003.4	2813.4	2590.7	2448.8	2407.3	2436.8	2365.8	2350.5	2064.5
42.5°	3269.8	3256.7	3161.7	2959.7	2726.1	2576.5	2575.4	2643.1	2591.8	2575.4	2256.6
45°	3361.5	3348.4	3269.8	3075.4	2832.0	2687.9	2713.0	2832.0	2816.7	2797.1	2432.4
47.5°	3370.2	3362.6	3305.8	3125.7	2896.4	2775.2	2847.3	3017.6	3034.0	3015.4	2620.2
50°	3290.5	3298.2	3262.1	3119.1	2919.3	2832.0	2956.4	3193.4	3253.4	3231.6	2806.9
52.5°	3139.9	3131.1	3146.4	3044.9	2895.3	2851.6	3030.7	3340.7	3451.0	3429.2	2979.4
55°	2888.8	2895.3	2948.8	2910.6	2820.0	2828.7	3075.4	3457.6	3630.1	3612.6	3135.5
57.5°	2624.6	2609.3	2705.3	2711.9	2686.8	2767.6	3080.9	3546.0	3788.4	3769.8	3269.8
60°	2278.5	2315.6	2401.8	2476.1	2519.8	2666.0	3044.9	3591.8	3904.1	3898.6	3377.9
62.5°	1979.3	1987.0	2103.8	2216.2	2321.1	2523.0	2965.2	3590.8	3979.4	3972.9	3442.3
64°	1789.4	1814.5	1924.7	2061.2	2186.8	2420.4	2899.7	3560.2	3991.4	3986.0	3453.2
65°	1685.7	1682.4	1814.5	1952.0	2087.4	2342.9	2833.1	3527.4	3980.5	3980.5	3448.8
67.5°	1400.7	1411.6	1527.4	1685.7	1852.7	2137.6	2662.8	3410.6	3908.5	3916.1	3385.5
70°	1155.1	1171.4	1298.1	1438.9	1623.4	1931.3	2452.1	3199.9	3739.2	3750.1	3249.0
72.5°	953.1	971.7	1064.5	1206.4	1410.5	1714.0	2214.1	2935.7	3500.1	3504.5	3020.9
75°	775.1	795.9	889.8	1013.1	1190.0	1480.4	1954.2	2648.6	3151.9	3173.7	2726.1
77.5°	631.0	652.9	739.1	850.5	1018.6	1266.4	1696.6	2316.7	2781.8	2794.9	2388.7
80°	509.8	532.8	609.2	714.0	860.3	1078.6	1455.3	1977.2	2382.2	2382.2	2041.6
82.5°	413.8	433.4	502.2	592.8	726.0	910.5	1222.8	1643.1	1969.5	1970.6	1686.7
85°	334.1	346.1	413.8	493.5	603.7	763.1	1011.0	1337.4	1588.5	1565.6	1359.2
87.5°	268.6	279.5	336.3	413.8	501.1	636.5	829.7	1088.5	1249.0	1256.6	1085.2
90°	216.2	222.7	275.1	340.6	421.4	526.2	674.7	865.8	982.6	972.7	850.5
92.5°	175.8	183.4	228.2	287.1	354.8	442.2	555.7	685.6	760.9	763.1	664.9
95°	144.1	148.5	190.0	242.4	303.5	370.1	453.1	545.9	597.2	590.6	517.5
97.5°	120.1	122.3	160.5	207.4	257.7	312.2	377.7	434.5	462.9	458.5	405.0
100°	101.5	103.7	136.5	180.1	222.7	266.4	312.2	350.5	360.3	354.8	318.8
102.5°	88.4	89.5	116.8	156.1	192.1	228.2	259.8	283.9	282.8	282.8	252.2
105°	77.5	78.6	101.5	136.5	169.2	197.6	219.4	231.5	227.1	224.9	202.0
107.5°	69.9	71.0	89.5	120.1	149.6	171.4	187.8	191.1	182.3	180.1	163.8



REPORT NUMBER: P413842

CATALOG NUMBER: LXF.LXT-PA1-100-740-U-T2R-FL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
110°	63.3	63.3	78.6	105.9	132.1	149.6	160.5	160.5	147.4	146.3	135.4
112.5°	57.9	59.0	71.0	93.9	116.8	132.1	138.7	133.2	121.2	120.1	114.6
115°	53.5	54.6	63.3	84.1	103.7	116.8	120.1	112.4	100.4	99.3	95.0
117.5°	50.2	51.3	57.9	74.2	92.8	102.6	103.7	96.1	84.1	83.0	81.9
120°	48.0	48.0	53.5	66.6	81.9	90.6	89.5	81.9	72.1	71.0	71.0
122.5°	45.9	45.9	49.1	59.0	72.1	79.7	78.6	69.9	61.1	61.1	61.1
125°	43.7	43.7	45.9	53.5	64.4	69.9	67.7	60.0	52.4	52.4	54.6
127.5°	41.5	41.5	42.6	46.9	56.8	60.0	57.9	50.2	45.9	45.9	46.9
130°	39.3	39.3	39.3	42.6	49.1	51.3	49.1	42.6	39.3	39.3	41.5
132.5°	37.1	37.1	37.1	37.1	41.5	43.7	40.4	34.9	33.8	34.9	36.0
135°	34.9	34.9	33.8	32.8	34.9	36.0	32.8	29.5	29.5	29.5	31.7
137.5°	32.8	31.7	30.6	29.5	28.4	28.4	26.2	22.9	25.1	25.1	27.3
140°	29.5	28.4	27.3	25.1	22.9	21.8	19.7	18.6	20.7	20.7	21.8
142.5°	26.2	25.1	24.0	20.7	17.5	15.3	13.1	14.2	16.4	16.4	17.5
145°	21.8	21.8	19.7	16.4	13.1	10.9	8.7	9.8	12.0	12.0	13.1
147.5°	18.6	17.5	16.4	13.1	8.7	6.6	4.4	6.6	8.7	8.7	9.8
150°	14.2	13.1	12.0	8.7	5.5	2.2	2.2	4.4	5.5	5.5	6.6
152.5°	9.8	9.8	8.7	5.5	2.2	0.0	1.1	2.2	3.3	3.3	4.4
155°	6.6	5.5	4.4	3.3	1.1	0.0	0.0	1.1	2.2	2.2	2.2
157.5°	3.3	3.3	2.2	2.2	0.0	0.0	0.0	0.0	1.1	1.1	1.1
160°	1.1	1.1	1.1	1.1	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	414.9	414.9	414.9	414.9	414.9	414.9	414.9	414.9	414.9	414.9	414.9
2.5°	417.0	412.7	402.9	394.1	385.4	377.7	373.4	367.9	366.8	365.7	365.7
5°	432.3	422.5	402.9	384.3	366.8	352.6	341.7	330.8	325.3	323.2	322.1
7.5°	458.5	443.2	411.6	383.2	357.0	335.2	317.7	304.6	297.0	292.6	291.5
10°	494.6	472.7	429.1	389.8	354.8	326.4	304.6	289.3	279.5	275.1	274.0
12.5°	551.3	516.4	461.8	406.1	360.3	325.3	300.2	283.9	279.5	275.1	275.1
15°	615.7	580.8	505.5	436.7	377.7	331.9	310.1	299.1	292.6	289.3	288.2
17.5°	698.7	645.2	554.6	469.5	399.6	355.9	327.5	315.5	309.0	305.7	304.6
20°	783.9	720.6	609.2	505.5	429.1	384.3	350.5	331.9	325.3	322.1	321.0
22.5°	885.4	809.0	666.0	543.7	462.9	410.5	372.3	350.5	342.8	339.5	340.6
25°	989.1	907.2	727.1	584.1	494.6	432.3	393.0	367.9	362.5	358.1	358.1
27.5°	1115.8	1006.6	789.3	629.9	521.9	452.0	411.6	386.5	376.7	376.7	375.6
30°	1249.0	1112.5	857.0	669.2	545.9	469.5	425.8	402.9	393.0	391.9	391.9
32.5°	1378.9	1226.0	923.6	708.5	564.4	481.5	438.9	417.0	405.0	403.9	405.0
35°	1530.6	1341.8	985.8	740.2	580.8	491.3	448.7	429.1	416.0	414.9	414.9
37.5°	1674.7	1460.8	1045.9	765.3	591.7	497.8	456.4	438.9	424.7	423.6	422.5
40°	1825.4	1573.2	1100.5	786.1	597.2	502.2	460.7	445.4	432.3	428.0	428.0
42.5°	1978.2	1686.7	1146.3	798.1	600.5	503.3	464.0	449.8	437.8	430.1	430.1
45°	2121.3	1783.9	1184.5	804.6	600.5	504.4	466.2	453.1	442.2	432.3	431.2
47.5°	2278.5	1882.2	1214.0	805.7	597.2	502.2	467.3	456.4	444.3	433.4	432.3
50°	2416.0	1975.0	1232.6	802.4	592.8	501.1	468.4	457.4	447.6	434.5	434.5
52.5°	2537.2	2049.2	1241.3	793.7	587.4	498.9	468.4	459.6	450.9	436.7	435.6
55°	2644.2	2107.1	1240.2	780.6	578.6	495.7	467.3	459.6	453.1	437.8	437.8
57.5°	2735.9	2147.5	1230.4	765.3	569.9	493.5	467.3	460.7	455.3	441.1	441.1
60°	2798.1	2170.4	1210.7	746.8	561.2	489.1	466.2	461.8	458.5	444.3	445.4
62.5°	2827.6	2167.1	1180.2	727.1	551.3	484.7	464.0	460.7	459.6	448.7	448.7
64°	2825.4	2151.8	1159.4	712.9	544.8	482.6	462.9	459.6	460.7	450.9	450.9
65°	2811.2	2130.0	1137.6	702.0	539.3	480.4	460.7	458.5	460.7	450.9	450.9
67.5°	2742.5	2062.3	1081.9	674.7	525.1	470.5	454.2	453.1	456.4	449.8	448.7
70°	2606.0	1955.3	1021.9	639.8	507.7	459.6	444.3	443.2	447.6	442.2	440.0
72.5°	2420.4	1806.8	948.7	603.7	486.9	444.3	431.2	430.1	432.3	429.1	425.8
75°	2186.8	1632.2	866.8	563.3	464.0	424.7	412.7	410.5	413.8	409.4	407.2
77.5°	1926.9	1438.9	780.6	520.8	434.5	402.9	390.8	387.6	387.6	382.1	376.7
80°	1640.9	1241.3	694.4	477.1	403.9	375.6	365.7	361.4	358.1	349.4	343.9
82.5°	1370.1	1055.7	605.9	432.3	371.2	346.1	336.3	330.8	323.2	312.2	304.6
85°	1114.7	878.9	525.1	384.3	338.4	314.4	306.8	297.0	287.1	275.1	265.3
87.5°	895.2	719.5	453.1	341.7	301.3	282.8	274.0	260.9	251.1	238.0	229.3
90°	710.7	589.5	387.6	300.2	268.6	252.2	244.6	231.5	217.3	203.1	195.4
92.5°	573.2	480.4	334.1	265.3	240.2	226.0	216.2	203.1	186.7	172.5	167.0
95°	455.3	388.7	284.9	234.7	212.9	199.8	190.0	178.0	160.5	144.1	139.7
97.5°	360.3	319.9	243.5	206.3	188.9	178.0	167.0	156.1	138.7	122.3	120.1
100°	289.3	259.8	208.5	182.3	167.0	157.2	148.5	136.5	120.1	102.6	102.6
102.5°	233.6	215.1	179.0	160.5	148.5	139.7	131.0	120.1	103.7	88.4	87.3
105°	191.1	178.0	153.9	141.9	132.1	125.6	116.8	104.8	89.5	75.3	74.2
107.5°	159.4	147.4	133.2	125.6	117.9	111.4	104.8	92.8	77.5	65.5	65.5



REPORT NUMBER: P413842

CATALOG NUMBER: LXF.LXT-PA1-100-740-U-T2R-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	131.0	126.6	115.7	110.3	105.9	99.3	92.8	80.8	66.6	57.9	57.9
112.5°	111.4	107.0	101.5	98.3	93.9	89.5	81.9	71.0	57.9	51.3	51.3
115°	93.9	91.7	88.4	86.2	84.1	79.7	72.1	61.1	49.1	44.8	45.9
117.5°	81.9	80.8	78.6	77.5	75.3	69.9	63.3	53.5	42.6	40.4	40.4
120°	71.0	71.0	68.8	68.8	66.6	62.2	54.6	45.9	37.1	36.0	36.0
122.5°	62.2	62.2	61.1	61.1	59.0	54.6	48.0	39.3	31.7	31.7	32.8
125°	54.6	54.6	53.5	53.5	52.4	48.0	41.5	33.8	28.4	28.4	28.4
127.5°	48.0	48.0	48.0	46.9	44.8	41.5	34.9	28.4	25.1	25.1	25.1
130°	42.6	42.6	41.5	41.5	39.3	34.9	29.5	24.0	20.7	22.9	22.9
132.5°	37.1	37.1	37.1	34.9	32.8	29.5	24.0	19.7	18.6	19.7	19.7
135°	31.7	32.8	31.7	30.6	28.4	24.0	19.7	16.4	16.4	17.5	17.5
137.5°	27.3	27.3	27.3	25.1	22.9	19.7	15.3	13.1	14.2	15.3	15.3
140°	22.9	22.9	21.8	20.7	18.6	15.3	12.0	9.8	12.0	13.1	13.1
142.5°	18.6	18.6	17.5	16.4	13.1	10.9	7.6	7.6	9.8	10.9	10.9
145°	14.2	14.2	13.1	12.0	9.8	6.6	5.5	6.6	8.7	8.7	8.7
147.5°	9.8	9.8	9.8	7.6	5.5	3.3	2.2	4.4	6.6	6.6	7.6
150°	6.6	6.6	6.6	5.5	3.3	1.1	1.1	3.3	4.4	5.5	5.5
152.5°	4.4	4.4	4.4	3.3	2.2	0.0	0.0	2.2	3.3	3.3	3.3
155°	2.2	2.2	2.2	2.2	1.1	0.0	0.0	1.1	2.2	2.2	2.2
157.5°	1.1	1.1	1.1	1.1	0.0	0.0	0.0	1.1	2.2	1.1	1.1
160°	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	1.1	1.1	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)