

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: P413756

Luminaire Tested: **LXF.LXT-PA1-100-727-U-T3-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P413756
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-17)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-100-727-U-T3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7765 lumens
Efficiency: N/A
Efficacy: 80.9 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 - G4

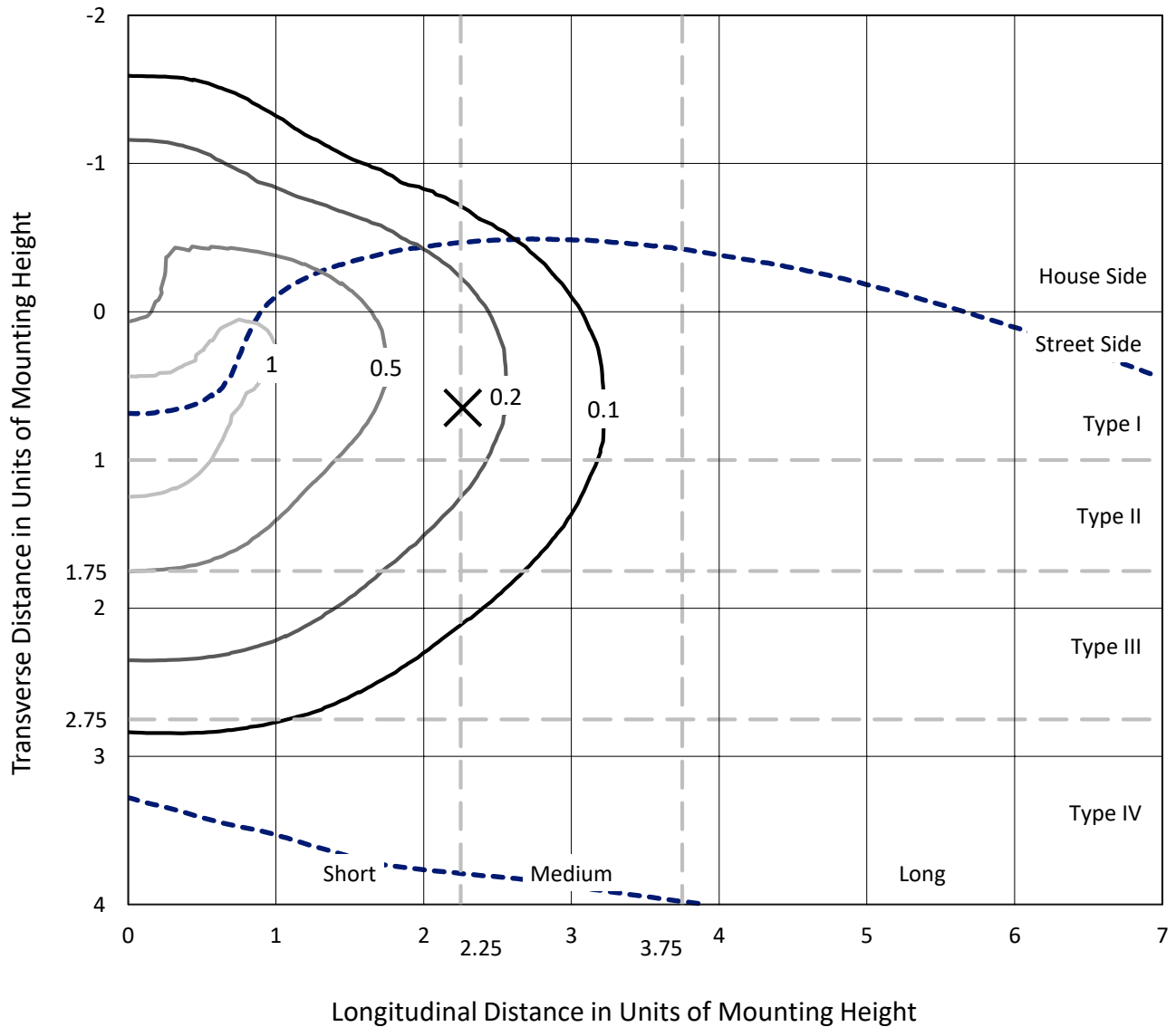
Input Watts (W): 96
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P413756
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

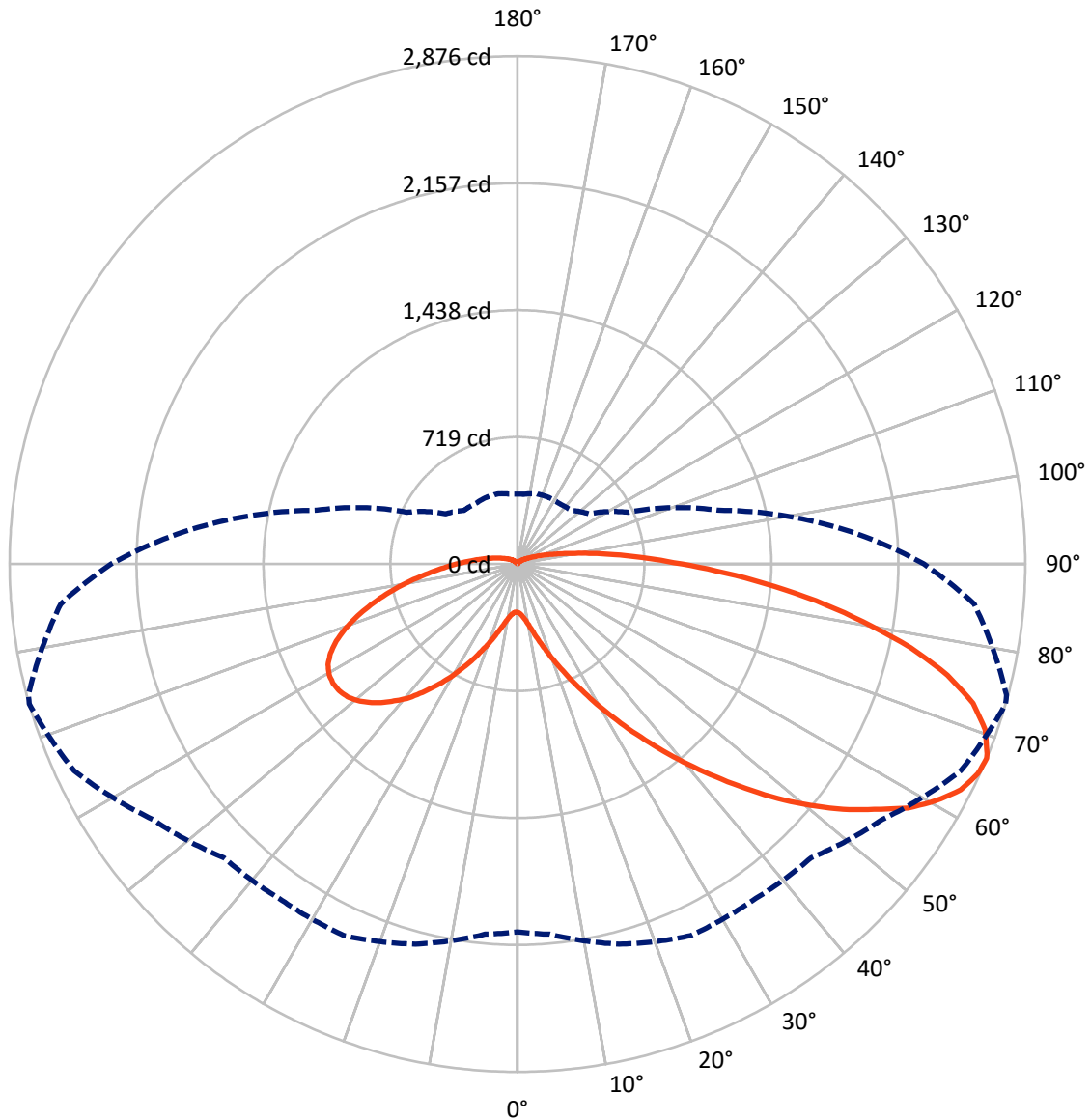


Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P413756

CATALOG NUMBER: LXF.LXT-PA1-100-727-U-T3-FL

Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical



REPORT NUMBER: P413756

CATALOG NUMBER: LXF.LXT-PA1-100-727-U-T3-FL

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1871.8	231.5	2103.3
	% Fixture	24.1	3.0	27.1
Street Side	Lumens	5258.7	403.0	5661.7
	% Fixture	67.7	5.2	72.9
Total	Lumens	7130.5	634.5	7765.0
	% Fixture	91.8	8.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.8	0.4
10°-20°	119.2	1.5
20°-30°	301.6	3.9
30°-40°	605.2	7.8
40°-50°	1015.9	13.1
50°-60°	1425.3	18.4
60°-70°	1593.0	20.5
70°-80°	1299.6	16.7
80°-90°	741.9	9.6
90°-100°	339.1	4.4
100°-110°	155.2	2.0
110°-120°	76.5	1.0
120°-130°	38.9	0.5
130°-140°	18.1	0.2
140°-150°	5.9	0.1
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7130.5	91.8
0°-180°	7765.0	100.0

Coefficient of Utilization



REPORT NUMBER: P413756

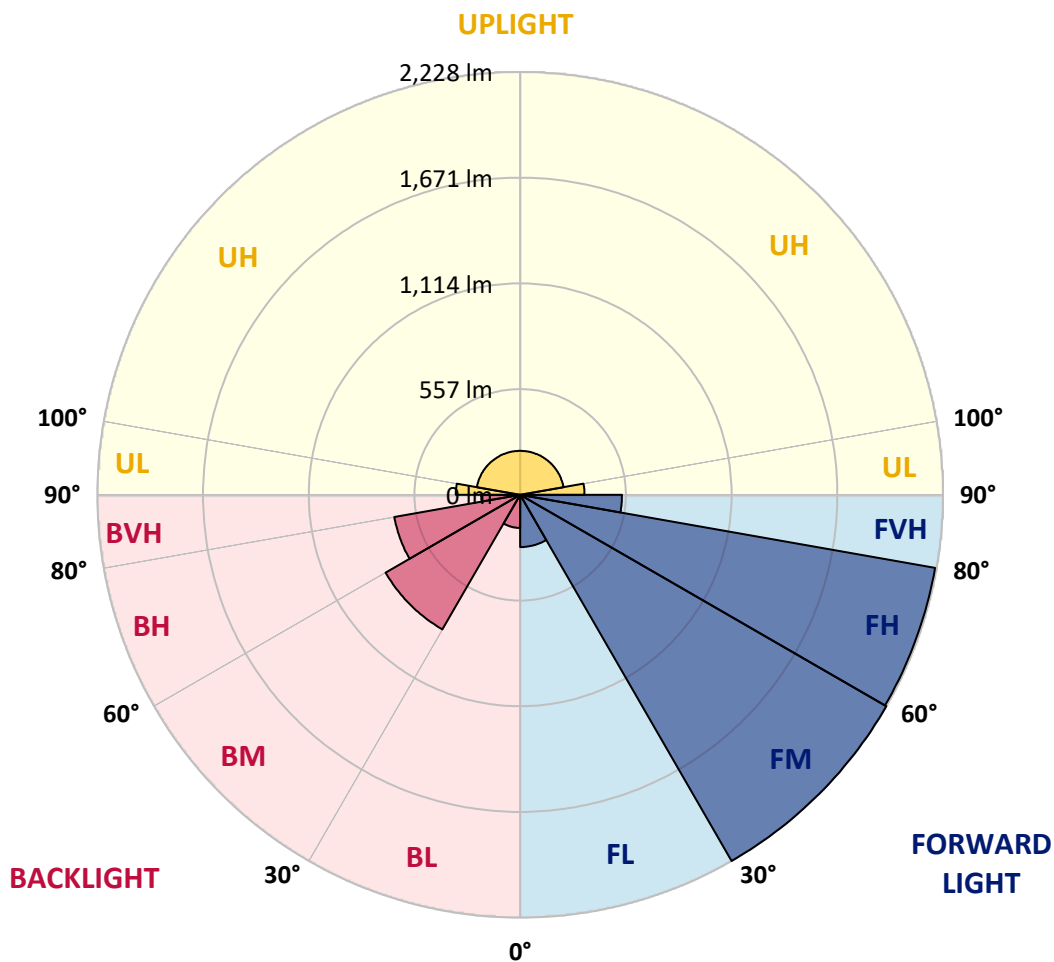
CATALOG NUMBER: LXF.LXT-PA1-100-727-U-T3-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	275.2	3.5			
FM	(30°-60°)	2227.5	28.7			
FH	(60°-80°)	2219.6	28.6			G2/5000
FVH	(80°-90°)	536.4	6.9			G4/750
BL	(0°-30°)	174.4	2.2	B1/500		
BM	(30°-60°)	818.8	10.5	B1/1000		
BH	(60°-80°)	673.1	8.7	B2/1000		G2/1000
BVH	(80°-90°)	205.5	2.6			G2/225
UL	(90°-100°)	339.1	4.4		U3/500	
UH	(100°-180°)	231.5	3.0		U3/500	

BUG Rating: B2-U3-G4

Type IV Medium





REPORT NUMBER: P413756

CATALOG NUMBER: LXF.LXT-PA1-100-727-U-T3-FL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	273.9	273.9	273.9	273.9	273.9	273.9	273.9	273.9	273.9	273.9	273.9
2.5°	297.7	295.8	295.8	294.0	293.1	289.4	286.7	283.0	281.2	280.3	277.6
5°	325.0	322.3	322.3	320.5	316.8	312.3	305.9	302.2	295.8	296.7	288.5
7.5°	357.9	357.0	355.2	351.5	347.0	341.5	335.1	326.9	319.6	319.6	309.5
10°	401.7	396.3	396.3	391.7	387.1	378.9	369.8	360.7	350.6	349.7	336.0
12.5°	454.7	453.8	448.3	441.9	434.6	426.4	411.8	402.7	392.6	391.7	377.1
15°	516.8	514.1	506.7	504.0	493.1	478.4	466.6	457.4	447.4	443.7	424.6
17.5°	589.8	586.2	583.4	569.7	560.6	548.7	535.1	523.2	505.8	504.0	483.0
20°	675.7	667.4	659.2	648.3	633.7	622.7	608.1	597.1	577.1	577.1	548.7
22.5°	766.1	764.2	756.9	738.7	718.6	707.6	693.9	672.0	655.6	651.0	620.0
25°	875.6	873.8	859.2	840.0	819.0	802.6	780.7	756.9	743.2	742.3	707.6
27.5°	999.8	1002.5	977.0	952.3	924.0	897.5	873.8	861.9	843.7	840.9	800.8
30°	1149.5	1137.7	1111.2	1075.6	1036.3	1002.5	977.9	966.0	954.1	953.2	904.8
32.5°	1302.0	1288.3	1265.5	1216.2	1161.4	1109.4	1097.5	1087.5	1073.8	1066.5	1018.1
35°	1470.9	1460.0	1427.1	1362.3	1289.2	1232.6	1208.0	1209.8	1203.4	1199.8	1141.3
37.5°	1657.2	1638.0	1593.3	1530.3	1422.5	1361.4	1333.1	1348.6	1344.9	1337.6	1276.5
40°	1832.5	1829.8	1782.3	1684.6	1575.9	1489.2	1470.0	1496.5	1491.9	1482.8	1415.2
42.5°	2035.2	2015.1	1962.2	1852.6	1721.1	1625.2	1604.2	1643.5	1649.0	1650.8	1560.4
45°	2208.7	2199.6	2149.3	2023.3	1871.8	1767.7	1750.3	1792.3	1810.6	1812.4	1712.9
47.5°	2377.6	2373.9	2322.8	2192.2	2018.8	1908.3	1885.5	1945.7	1984.1	1975.9	1858.1
50°	2504.5	2510.9	2469.8	2345.6	2164.9	2033.4	2038.9	2112.8	2148.4	2143.9	2013.3
52.5°	2613.2	2604.0	2586.7	2468.9	2280.8	2160.3	2166.7	2255.3	2308.2	2305.5	2160.3
55°	2653.3	2650.6	2652.4	2556.6	2375.8	2264.4	2283.6	2408.6	2452.5	2447.0	2279.9
57.5°	2645.1	2643.3	2671.6	2608.6	2452.5	2346.6	2390.4	2534.6	2606.8	2599.5	2405.9
60°	2583.0	2574.8	2636.0	2613.2	2483.5	2397.7	2474.4	2645.1	2722.7	2720.9	2509.1
62.5°	2443.3	2456.1	2541.0	2562.0	2474.4	2424.2	2524.6	2731.0	2817.7	2811.3	2583.0
65°	2248.9	2280.8	2383.1	2456.1	2412.3	2400.4	2542.9	2769.3	2865.2	2864.3	2609.5
67°	2082.7	2104.6	2228.8	2321.9	2324.6	2352.0	2521.9	2770.2	2876.1	2867.9	2596.7
67.5°	2024.2	2053.5	2179.5	2292.7	2304.6	2338.3	2513.6	2768.4	2868.8	2864.3	2590.3
70°	1759.5	1793.2	1931.1	2073.6	2146.6	2219.6	2438.8	2717.3	2810.4	2800.3	2516.4
72.5°	1491.0	1538.5	1669.1	1838.0	1944.8	2065.3	2309.1	2589.4	2699.0	2678.0	2372.1
75°	1233.5	1265.5	1392.4	1575.0	1713.8	1877.2	2132.0	2416.9	2515.5	2498.1	2188.6
77.5°	983.4	1012.6	1134.9	1318.5	1475.5	1659.0	1924.7	2200.5	2277.2	2267.1	1955.8
80°	776.1	797.1	914.9	1078.3	1239.9	1436.2	1688.2	1934.8	1985.0	1992.3	1699.2
82.5°	597.1	624.5	726.8	871.1	1023.5	1210.7	1429.8	1648.1	1703.8	1685.5	1436.2
85°	456.5	479.4	570.7	693.0	845.5	1003.4	1198.8	1377.8	1402.5	1381.5	1164.1
87.5°	357.0	374.4	445.6	564.3	685.7	820.8	977.0	1113.9	1126.7	1123.1	932.2
90°	276.7	292.2	351.5	445.6	557.0	672.9	795.3	891.1	884.8	890.2	735.0
92.5°	217.3	225.5	279.4	362.5	455.6	548.7	641.9	705.8	704.9	689.4	573.4
95°	176.2	180.8	227.4	296.7	371.6	445.6	515.0	556.1	554.2	537.8	447.4
97.5°	142.4	145.2	185.4	243.8	306.8	364.3	414.5	443.7	429.1	422.7	350.6
100°	116.9	118.7	153.4	203.6	255.7	305.0	340.6	352.4	332.4	328.7	275.7
102.5°	99.5	100.4	129.7	172.6	213.7	251.1	277.6	283.0	259.3	261.1	217.3
105°	84.9	85.8	108.7	147.0	181.7	210.0	229.2	226.4	207.3	204.5	173.5
107.5°	74.0	74.9	93.1	126.0	156.1	179.9	189.9	183.5	166.2	162.5	139.7



REPORT NUMBER: P413756

CATALOG NUMBER: LXF.LXT-PA1-100-727-U-T3-FL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	64.8	65.7	80.3	107.7	134.2	154.3	159.8	149.7	134.2	130.6	115.0
112.5°	58.4	58.4	70.3	93.1	116.9	133.3	135.1	125.1	107.7	105.9	95.9
115°	53.0	53.0	62.1	80.3	101.3	114.1	114.1	102.3	88.6	87.7	80.3
117.5°	48.4	48.4	54.8	70.3	87.7	98.6	96.8	85.8	74.0	73.0	69.4
120°	44.7	44.7	49.3	61.2	75.8	84.0	82.2	71.2	62.1	61.2	59.3
122.5°	41.1	42.0	44.7	53.9	65.7	72.1	70.3	61.2	53.0	52.0	52.0
125°	38.3	38.3	40.2	46.6	56.6	62.1	59.3	50.2	44.7	44.7	44.7
127.5°	35.6	35.6	36.5	41.1	48.4	52.0	49.3	42.0	39.3	38.3	39.3
130°	32.9	32.9	33.8	35.6	41.1	42.9	40.2	35.6	32.9	32.9	33.8
132.5°	30.1	30.1	30.1	31.0	33.8	35.6	32.9	29.2	28.3	28.3	29.2
135°	27.4	28.3	27.4	27.4	28.3	28.3	25.6	23.7	23.7	24.7	25.6
137.5°	24.7	24.7	23.7	22.8	22.8	21.9	20.1	19.2	20.1	20.1	21.0
140°	21.9	21.9	21.0	19.2	17.3	16.4	15.5	14.6	16.4	16.4	17.3
142.5°	19.2	19.2	17.3	15.5	12.8	11.0	10.0	11.0	12.8	12.8	13.7
145°	15.5	15.5	14.6	12.8	9.1	7.3	6.4	8.2	9.1	9.1	10.0
147.5°	12.8	11.9	11.0	9.1	6.4	4.6	3.7	5.5	6.4	6.4	7.3
150°	9.1	9.1	8.2	6.4	3.7	1.8	1.8	2.7	3.7	3.7	4.6
152.5°	6.4	6.4	5.5	3.7	1.8	0.0	0.9	1.8	1.8	1.8	2.7
155°	3.7	3.7	3.7	2.7	0.9	0.0	0.0	0.9	0.9	0.9	1.8
157.5°	1.8	1.8	1.8	1.8	0.9	0.0	0.0	0.0	0.9	0.9	0.9
160°	0.9	0.9	1.8	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



REPORT NUMBER: P413756

CATALOG NUMBER: LXF.LXT-PA1-100-727-U-T3-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	273.9	273.9	273.9	273.9	273.9	273.9	273.9	273.9	273.9	273.9	273.9
2.5°	275.7	273.9	272.1	269.4	267.5	265.7	263.9	263.0	263.0	262.0	263.0
5°	285.8	283.0	277.6	273.0	267.5	263.9	260.2	258.4	256.6	255.7	255.7
7.5°	304.0	300.4	291.3	283.0	274.8	268.4	263.9	259.3	257.5	256.6	256.6
10°	330.5	325.0	311.4	299.5	287.6	279.4	271.2	266.6	263.9	262.0	262.0
12.5°	368.0	358.8	341.5	321.4	305.9	294.9	284.9	280.3	279.4	279.4	279.4
15°	418.2	405.4	378.9	355.2	332.4	313.2	305.9	305.9	305.0	304.0	305.0
17.5°	470.2	455.6	422.7	392.6	364.3	345.1	333.3	330.5	329.6	328.7	329.6
20°	532.3	514.1	475.7	434.6	399.0	380.7	364.3	357.0	356.1	357.0	355.2
22.5°	602.6	582.5	525.9	476.6	437.4	411.8	392.6	382.6	384.4	384.4	383.5
25°	687.5	656.5	589.8	523.2	475.7	440.1	418.2	408.1	409.0	410.9	412.7
27.5°	773.4	737.7	652.8	571.6	509.5	468.4	442.8	431.9	431.0	436.4	435.5
30°	873.8	828.1	722.2	620.9	540.5	488.5	462.0	452.9	452.0	456.5	457.4
32.5°	981.5	924.9	794.4	670.2	567.9	505.8	475.7	469.3	467.5	472.1	473.0
35°	1099.3	1027.2	864.7	713.1	590.7	517.7	486.7	479.4	476.6	481.2	483.0
37.5°	1213.5	1129.5	936.8	751.4	609.0	525.0	491.2	485.7	482.1	484.8	485.7
40°	1334.0	1244.5	1009.8	786.1	620.0	528.7	493.1	487.6	483.9	483.9	483.9
42.5°	1466.4	1350.4	1069.2	810.8	626.4	527.7	491.2	484.8	480.3	476.6	476.6
45°	1602.4	1464.5	1130.4	830.9	627.3	523.2	486.7	481.2	473.9	466.6	465.7
47.5°	1734.8	1567.7	1184.2	841.8	624.5	516.8	480.3	473.0	466.6	455.6	455.6
50°	1863.5	1670.9	1229.0	847.3	616.3	509.5	473.9	466.6	458.4	443.7	441.9
52.5°	1981.3	1764.9	1262.8	845.5	604.4	499.4	465.7	459.3	449.2	431.9	431.9
55°	2097.3	1851.7	1283.8	833.6	589.8	488.5	458.4	452.0	441.0	422.7	420.9
57.5°	2192.2	1913.8	1292.0	815.4	573.4	476.6	451.1	444.7	434.6	414.5	414.5
60°	2272.6	1965.8	1286.5	791.6	555.1	465.7	441.9	438.3	429.1	410.0	410.0
62.5°	2319.2	1986.8	1265.5	761.5	534.1	453.8	433.7	431.9	423.7	405.4	405.4
65°	2329.2	1973.1	1222.6	724.1	513.1	440.1	424.6	423.7	418.2	400.8	399.0
67°	2301.8	1937.5	1175.1	692.1	494.9	429.1	416.4	416.4	411.8	396.3	395.4
67.5°	2291.8	1923.8	1162.3	683.9	491.2	427.3	414.5	415.4	410.9	395.4	392.6
70°	2204.1	1831.6	1083.8	637.3	465.7	410.9	402.7	403.6	399.9	388.0	385.3
72.5°	2068.1	1699.2	991.6	592.6	440.1	394.4	386.2	389.9	386.2	377.1	371.6
75°	1884.5	1537.6	895.7	541.4	414.5	374.4	368.9	370.7	369.8	360.7	356.1
77.5°	1668.2	1359.5	793.4	494.0	386.2	354.3	348.8	351.5	349.7	341.5	336.0
80°	1433.5	1171.5	694.8	446.5	357.0	331.4	326.0	326.9	326.0	317.7	310.4
82.5°	1203.4	987.0	594.4	399.9	328.7	306.8	300.4	299.5	297.7	288.5	283.0
85°	993.4	810.8	507.7	355.2	299.5	279.4	273.9	270.3	267.5	257.5	253.8
87.5°	791.6	662.9	429.1	316.8	270.3	253.8	246.5	240.1	235.6	226.4	222.8
90°	631.8	534.1	366.1	277.6	243.8	229.2	219.1	210.9	205.4	195.4	189.9
92.5°	501.3	425.5	307.7	243.8	218.2	205.4	196.3	186.3	179.0	166.2	163.4
95°	397.2	342.4	259.3	213.7	193.6	182.6	174.4	163.4	153.4	140.6	137.9
97.5°	314.1	279.4	218.2	187.2	170.7	161.6	153.4	142.4	131.5	118.7	116.9
100°	251.1	224.6	187.2	163.4	152.5	143.3	135.1	125.1	111.4	98.6	98.6
102.5°	201.8	184.4	157.0	143.3	134.2	126.9	119.6	109.6	95.0	81.3	81.3
105°	163.4	152.5	135.1	125.1	118.7	113.2	105.9	94.0	79.4	68.5	68.5
107.5°	134.2	126.0	116.0	108.7	105.0	99.5	93.1	81.3	67.6	57.5	57.5



REPORT NUMBER: P413756

CATALOG NUMBER: LXF.LXT-PA1-100-727-U-T3-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	111.4	105.9	98.6	95.9	93.1	88.6	81.3	70.3	56.6	49.3	49.3
112.5°	93.1	90.4	84.9	84.0	82.2	78.5	71.2	60.3	47.5	42.9	42.9
115°	79.4	77.6	74.0	74.0	72.1	69.4	62.1	52.0	41.1	36.5	37.4
117.5°	67.6	66.7	64.8	64.8	63.9	61.2	53.9	44.7	34.7	32.9	32.9
120°	59.3	58.4	57.5	56.6	56.6	53.0	46.6	37.4	30.1	29.2	29.2
122.5°	51.1	51.1	50.2	50.2	49.3	45.7	40.2	32.0	26.5	25.6	25.6
125°	44.7	44.7	43.8	43.8	42.9	40.2	34.7	27.4	22.8	22.8	22.8
127.5°	39.3	39.3	38.3	38.3	37.4	33.8	29.2	22.8	20.1	20.1	21.0
130°	34.7	34.7	33.8	32.9	32.0	29.2	23.7	19.2	17.3	18.3	18.3
132.5°	30.1	29.2	29.2	28.3	26.5	23.7	20.1	16.4	15.5	16.4	16.4
135°	25.6	25.6	24.7	23.7	21.9	20.1	16.4	13.7	13.7	14.6	14.6
137.5°	21.9	21.9	21.0	19.2	18.3	15.5	12.8	11.0	11.9	12.8	12.8
140°	17.3	18.3	17.3	15.5	13.7	11.9	10.0	9.1	10.0	11.0	11.9
142.5°	14.6	14.6	13.7	11.9	10.0	8.2	7.3	7.3	9.1	10.0	10.0
145°	11.0	11.0	10.0	9.1	6.4	5.5	4.6	6.4	7.3	8.2	8.2
147.5°	7.3	7.3	7.3	5.5	3.7	2.7	2.7	4.6	6.4	6.4	6.4
150°	4.6	4.6	4.6	3.7	1.8	0.9	1.8	3.7	4.6	5.5	5.5
152.5°	2.7	2.7	2.7	1.8	0.9	0.0	0.9	2.7	3.7	3.7	3.7
155°	1.8	1.8	1.8	0.9	0.9	0.0	0.9	1.8	2.7	2.7	2.7
157.5°	0.9	0.9	0.9	0.9	0.0	0.0	0.0	1.8	1.8	1.8	1.8
160°	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.9	1.8	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)