

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: P417376

Luminaire Tested: **LXF.LXT-PA1-90-830-U-T2R-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417376
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-3)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-90-830-U-T2R-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7238 lumens
Efficiency: N/A
Efficacy: 77.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Medium - Non-Cutoff
BUG Rating: B2 - U3 - G3

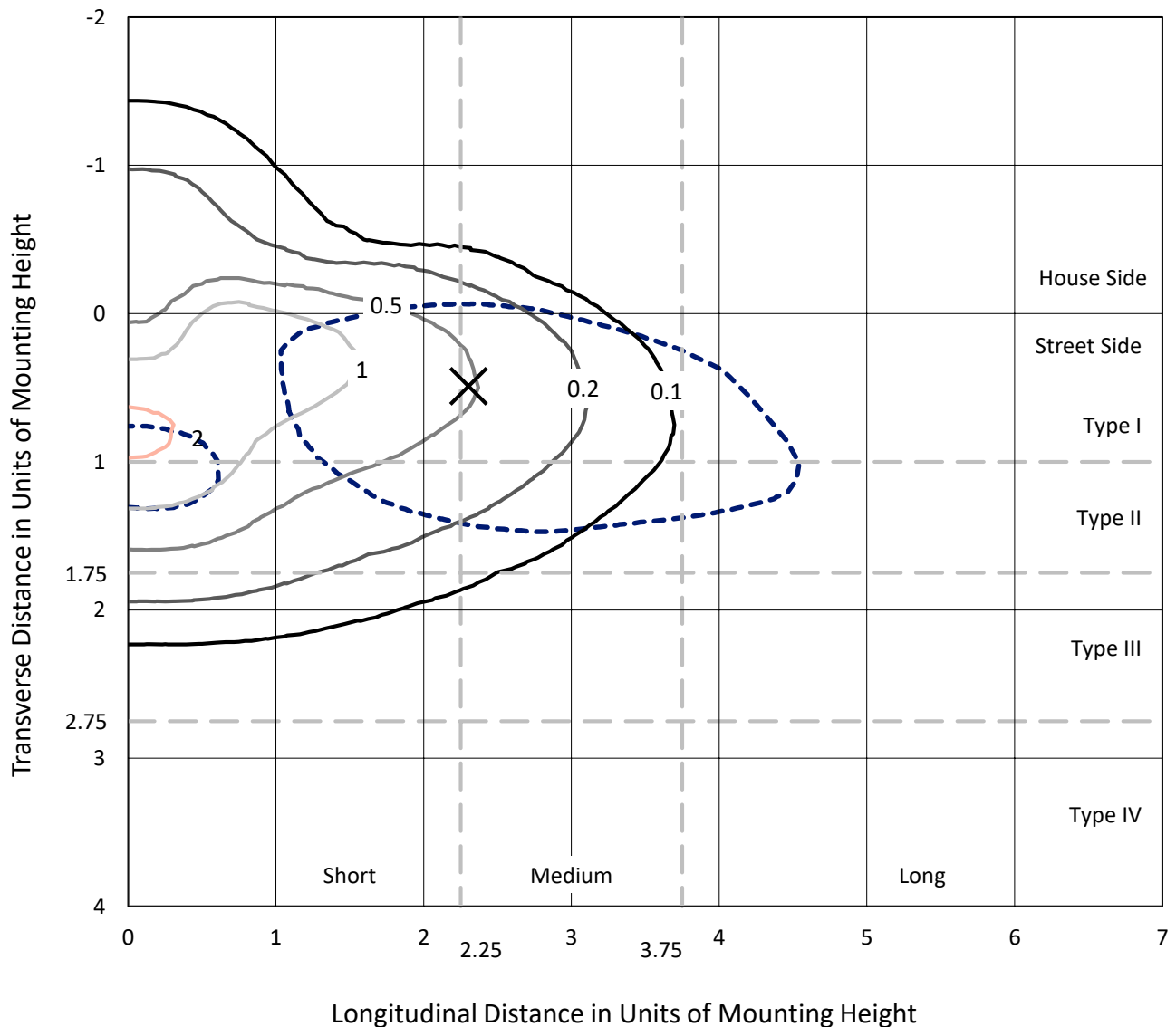
Input Watts (W): 94
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P417376
 CATALOG NUMBER: LXF.LXT-PA1-90-830-U-T2R-A

Iso-Footcandle Lines of Horizontal Illumination

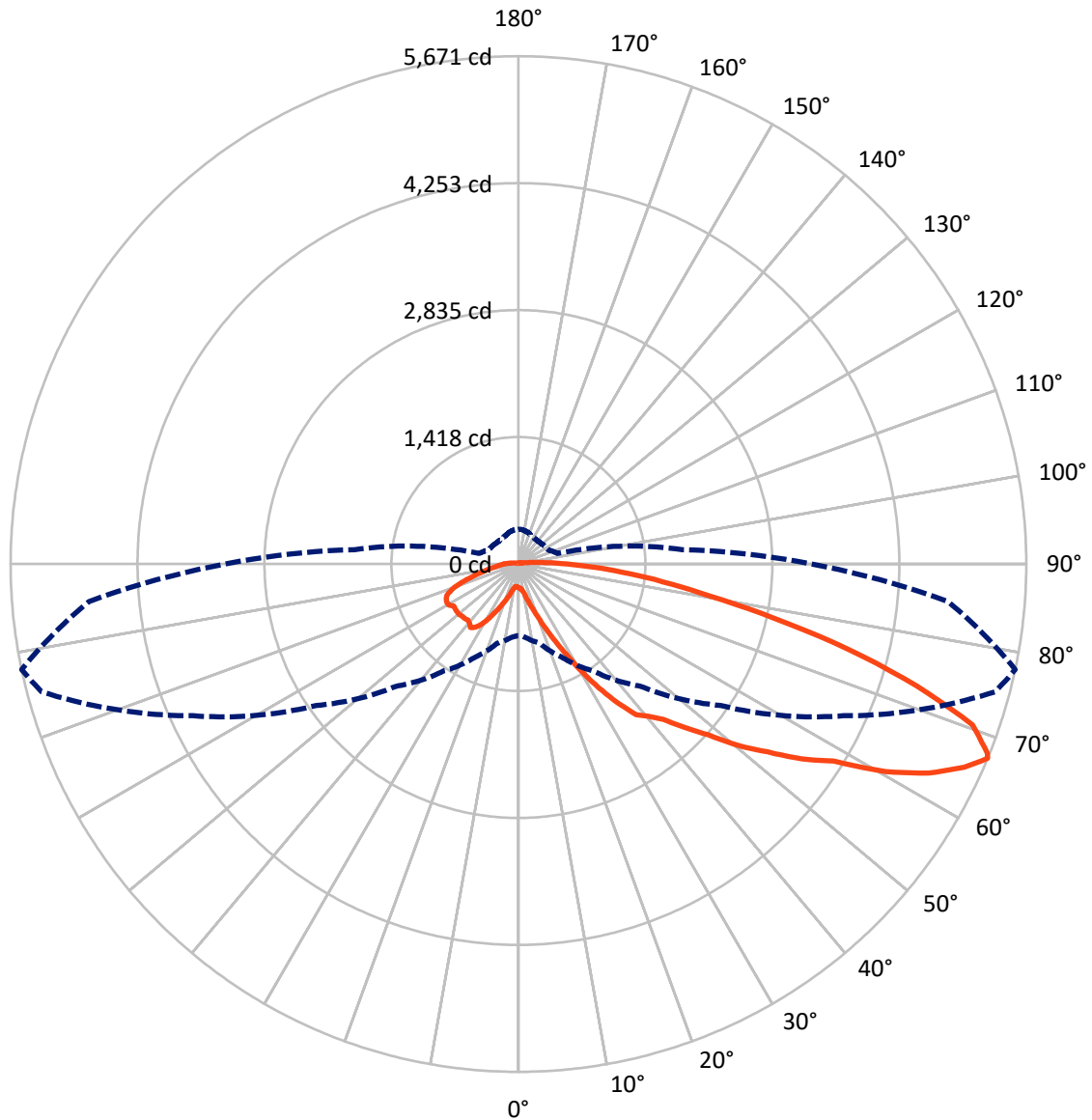
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P417376
CATALOG NUMBER: LXF.LXT-PA1-90-830-U-T2R-A

Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical



REPORT NUMBER: P417376

CATALOG NUMBER: LXF.LXT-PA1-90-830-U-T2R-A

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1339.0	109.5	1448.5
	% Fixture	18.5	1.5	20.0
Street Side	Lumens	5672.8	116.7	5789.5
	% Fixture	78.4	1.6	80.0
Total	Lumens	7011.8	226.2	7238.0
	% Fixture	96.9	3.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.6	0.4
10°-20°	112.6	1.6
20°-30°	337.7	4.7
30°-40°	773.1	10.7
40°-50°	1234.7	17.1
50°-60°	1521.7	21.0
60°-70°	1586.0	21.9
70°-80°	1028.4	14.2
80°-90°	391.0	5.4
90°-100°	120.8	1.7
100°-110°	46.4	0.6
110°-120°	25.0	0.3
120°-130°	16.6	0.2
130°-140°	10.9	0.2
140°-150°	4.9	0.1
150°-160°	1.5	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	7011.8	96.9
0°-180°	7238.0	100.0

Coefficient of Utilization



REPORT NUMBER: P417376

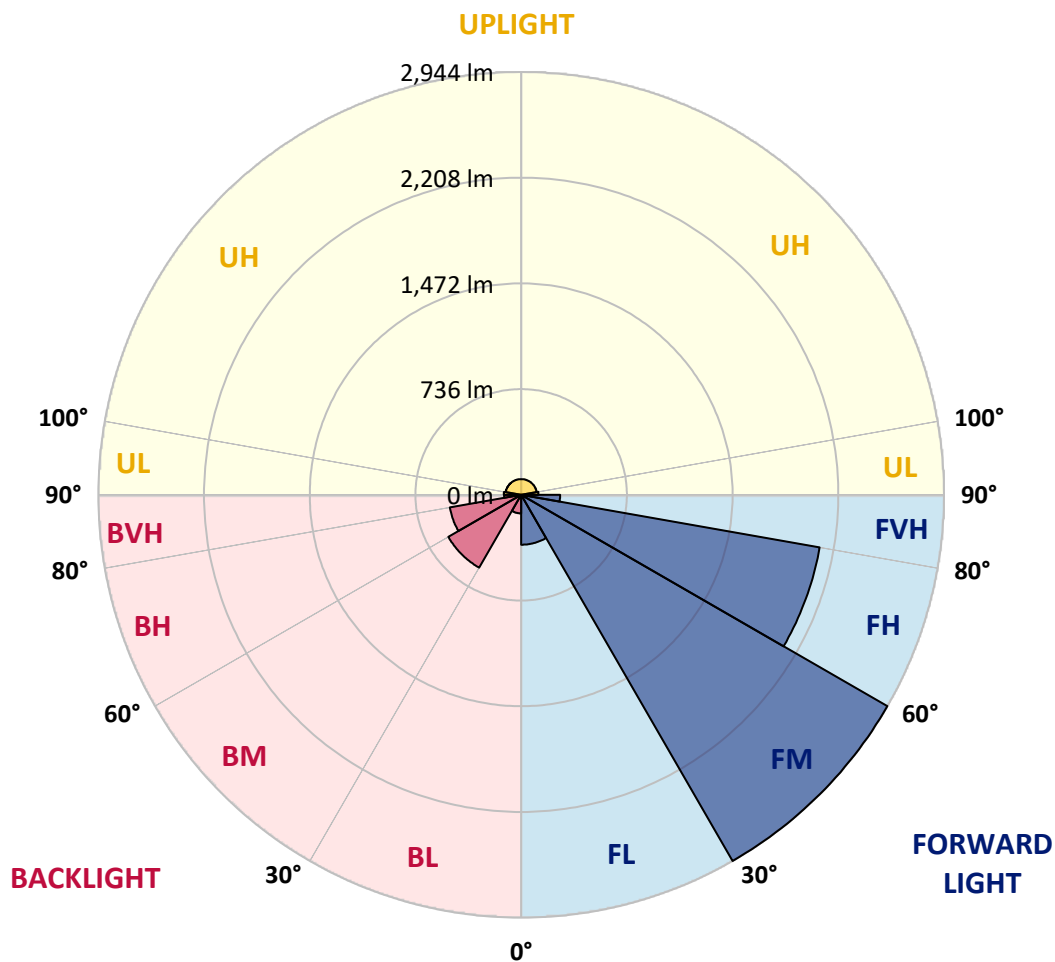
CATALOG NUMBER: LXF.LXT-PA1-90-830-U-T2R-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	347.5	4.8			
FM (30°-60°)	2944.1	40.7			
FH (60°-80°)	2110.0	29.2			G2/5000
FVH (80°-90°)	271.2	3.7			G3/500
BL (0°-30°)	129.3	1.8	B1/500		
BM (30°-60°)	585.4	8.1	B1/1000		
BH (60°-80°)	504.5	7.0	B2/1000		G2/1000
BVH (80°-90°)	119.8	1.7			G2/225
UL (90°-100°)	120.8	1.7		U3/500	
UH (100°-180°)	109.5	1.5		U3/500	

BUG Rating: B2-U3-G3

Type II Medium





REPORT NUMBER: P417376

CATALOG NUMBER: LXF.LXT-PA1-90-830-U-T2R-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	263.9	263.9	263.9	263.9	263.9	263.9	263.9	263.9	263.9	263.9	263.9
2.5°	298.1	297.3	296.4	294.7	291.3	287.9	282.7	275.9	270.7	269.9	264.7
5°	335.8	333.3	333.3	329.0	322.1	315.3	305.0	293.0	283.6	278.4	270.7
7.5°	382.1	377.0	378.7	371.8	362.4	350.4	334.1	317.8	299.9	294.7	283.6
10°	437.8	434.4	430.9	422.4	411.2	392.4	377.0	353.0	329.0	322.1	305.0
12.5°	505.5	506.3	496.0	486.6	467.8	448.9	430.1	406.9	380.4	372.7	350.4
15°	600.6	599.7	588.6	567.2	544.0	523.5	508.0	483.2	457.5	448.9	415.5
17.5°	711.9	709.4	700.8	663.1	640.0	623.7	601.4	586.0	549.2	539.7	498.6
20°	874.7	859.3	839.6	789.0	754.8	734.2	716.2	696.5	657.1	640.8	592.0
22.5°	1055.5	1063.2	1027.2	949.3	891.8	854.2	835.3	825.0	795.0	783.9	710.2
25°	1279.9	1279.9	1223.4	1137.7	1063.2	992.9	988.7	1000.7	960.4	952.7	874.7
27.5°	1516.4	1525.8	1451.3	1359.6	1246.5	1164.3	1160.0	1170.3	1166.9	1144.6	1033.2
30°	1786.3	1777.7	1693.7	1582.4	1432.4	1335.6	1323.6	1398.2	1404.2	1388.7	1267.1
32.5°	2100.7	2093.8	1988.5	1816.3	1631.2	1519.8	1527.5	1632.9	1674.0	1647.5	1505.3
35°	2482.8	2491.4	2326.0	2083.6	1839.4	1710.9	1719.4	1851.4	1928.5	1895.9	1735.7
37.5°	2875.2	2877.7	2726.1	2398.0	2063.0	1880.5	1901.1	2062.1	2161.5	2135.0	1914.8
40°	3123.6	3149.3	3003.7	2691.8	2298.6	2050.1	2067.3	2226.6	2284.9	2235.2	1976.5
42.5°	3341.2	3360.9	3212.7	2877.7	2477.6	2201.8	2195.8	2316.6	2400.5	2369.7	2103.3
45°	3448.3	3486.9	3353.2	3007.1	2603.6	2320.0	2273.7	2454.5	2641.3	2602.7	2308.9
47.5°	3370.4	3417.5	3360.9	3074.8	2660.1	2394.5	2404.8	2653.3	2894.9	2852.0	2533.3
50°	3115.9	3172.4	3191.3	3024.2	2674.7	2431.4	2541.0	2875.2	3199.0	3190.4	2809.2
52.5°	2809.2	2839.2	2921.4	2871.7	2620.7	2474.2	2688.4	3090.2	3512.6	3486.0	3037.9
55°	2525.6	2565.0	2632.7	2603.6	2487.1	2479.4	2804.9	3330.1	3845.8	3842.4	3325.8
57.5°	2135.0	2189.8	2332.0	2348.3	2314.0	2447.7	2889.7	3518.6	4140.5	4152.5	3614.5
60°	1638.9	1685.2	1901.1	2073.3	2103.3	2373.1	2932.6	3725.9	4644.3	4706.8	4119.1
62.5°	1328.8	1337.3	1501.0	1716.0	1919.9	2236.9	2939.4	3988.1	5084.7	5141.2	4421.6
65°	994.7	992.9	1143.7	1388.7	1672.3	2077.6	2918.0	4070.3	5323.7	5468.5	4710.3
67°	799.3	818.2	915.0	1148.0	1458.1	1928.5	2751.8	4009.5	5511.3	5670.7	4815.6
67.5°	768.5	777.9	866.1	1086.3	1409.3	1883.9	2703.0	3994.0	5510.4	5645.8	4783.9
70°	613.4	626.3	690.5	836.2	1127.4	1591.8	2359.4	3635.9	5184.0	5381.1	4493.5
72.5°	473.8	484.0	529.5	640.0	858.4	1281.7	1951.6	3128.8	4489.2	4645.2	3809.9
75°	360.7	364.1	406.9	482.3	655.4	977.5	1507.0	2463.9	3691.6	3809.9	3096.2
77.5°	279.3	287.0	319.6	370.1	486.6	735.9	1134.3	1919.1	2936.8	2918.9	2354.3
80°	217.6	224.5	248.4	283.6	365.0	540.6	830.2	1418.7	2145.2	2166.7	1723.7
82.5°	174.8	179.9	196.2	221.9	281.0	411.2	606.6	1060.6	1631.2	1623.5	1263.7
85°	139.6	143.1	155.1	177.3	216.8	311.8	448.1	788.2	1151.4	1160.9	862.7
87.5°	108.8	113.1	126.8	140.5	171.3	237.3	330.7	546.6	765.9	773.6	592.9
90°	84.8	87.4	99.4	113.9	138.8	179.9	239.0	374.4	493.5	484.0	381.2
92.5°	62.5	65.1	76.2	90.0	107.9	138.8	172.2	239.9	288.7	294.7	238.2
95°	44.5	47.1	56.5	66.8	82.2	105.4	122.5	152.5	177.3	172.2	152.5
97.5°	34.3	35.1	42.0	49.7	62.5	81.4	90.8	105.4	116.5	113.9	106.2
100°	27.4	28.3	33.4	37.7	48.8	64.3	72.8	80.5	87.4	84.8	81.4
102.5°	23.1	24.0	27.4	30.8	40.3	54.0	59.1	64.3	66.8	66.8	65.1
105°	19.7	20.6	23.1	26.6	34.3	44.5	48.0	50.5	53.1	52.3	52.3
107.5°	18.0	18.0	20.6	23.1	30.0	37.7	39.4	40.3	41.1	41.1	42.8



REPORT NUMBER: P417376

CATALOG NUMBER: LXF.LXT-PA1-90-830-U-T2R-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
110°	16.3	17.1	18.8	20.6	26.6	33.4	33.4	32.6	32.6	32.6	35.1
112.5°	15.4	16.3	17.1	19.7	24.8	29.1	28.3	26.6	26.6	27.4	30.0
115°	15.4	15.4	16.3	18.8	23.1	26.6	24.8	22.3	22.3	23.1	25.7
117.5°	15.4	15.4	17.1	18.8	22.3	24.0	22.3	19.7	18.8	19.7	22.3
120°	16.3	16.3	17.1	18.8	20.6	22.3	20.6	18.0	17.1	18.0	20.6
122.5°	17.1	17.1	17.1	18.8	19.7	20.6	18.8	16.3	15.4	16.3	18.8
125°	18.0	18.0	18.0	18.8	19.7	18.8	17.1	15.4	15.4	15.4	18.0
127.5°	19.7	19.7	19.7	19.7	18.8	18.0	16.3	14.6	15.4	15.4	17.1
130°	21.4	21.4	20.6	19.7	18.8	17.1	15.4	13.7	14.6	15.4	17.1
132.5°	22.3	21.4	20.6	18.8	18.0	15.4	13.7	12.9	13.7	14.6	16.3
135°	20.6	20.6	18.8	17.1	16.3	13.7	12.0	12.0	12.9	13.7	14.6
137.5°	18.0	18.0	17.1	15.4	14.6	12.9	11.1	10.3	12.0	12.9	13.7
140°	15.4	15.4	14.6	12.9	12.0	11.1	9.4	8.6	10.3	11.1	12.0
142.5°	12.9	12.9	12.0	10.3	10.3	9.4	7.7	7.7	9.4	9.4	10.3
145°	10.3	10.3	10.3	8.6	8.6	7.7	6.0	6.9	7.7	8.6	8.6
147.5°	8.6	8.6	8.6	6.9	6.9	6.0	4.3	5.1	6.0	6.9	6.9
150°	6.9	6.9	6.9	6.0	5.1	4.3	3.4	4.3	4.3	5.1	5.1
152.5°	5.1	5.1	5.1	4.3	4.3	2.6	2.6	3.4	3.4	4.3	4.3
155°	3.4	3.4	4.3	3.4	2.6	1.7	2.6	2.6	3.4	3.4	3.4
157.5°	2.6	2.6	2.6	1.7	1.7	1.7	1.7	1.7	2.6	2.6	2.6
160°	0.9	0.9	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
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: P417376

CATALOG NUMBER: LXF.LXT-PA1-90-830-U-T2R-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	263.9	263.9	263.9	263.9	263.9	263.9	263.9	263.9	263.9	263.9	263.9
2.5°	262.2	260.4	256.2	251.9	247.6	244.2	239.9	239.0	239.0	237.3	237.3
5°	265.6	260.4	250.2	241.6	232.2	224.5	218.5	215.9	213.3	211.6	209.9
7.5°	273.3	264.7	247.6	233.9	220.2	208.2	199.6	195.3	192.8	190.2	191.0
10°	291.3	278.4	253.6	231.3	210.8	194.5	184.2	179.1	177.3	174.8	174.8
12.5°	329.8	312.7	276.7	239.0	207.3	185.1	173.1	171.3	173.1	175.6	175.6
15°	390.7	365.0	312.7	260.4	215.0	183.3	176.5	181.6	187.6	191.0	191.0
17.5°	465.2	430.1	355.5	285.3	226.2	198.8	190.2	197.0	204.8	209.9	209.9
20°	547.4	500.3	399.2	306.7	242.5	220.2	210.8	216.8	227.0	234.7	233.9
22.5°	654.5	586.0	449.8	325.6	262.2	239.9	233.9	241.6	257.0	267.3	268.2
25°	787.3	693.1	508.9	350.4	280.1	257.0	258.7	272.4	293.0	304.1	304.1
27.5°	928.7	809.6	559.4	375.2	299.0	275.0	283.6	302.4	324.7	337.5	339.3
30°	1115.5	959.5	622.8	400.1	315.3	293.0	303.3	325.6	341.8	349.5	350.4
32.5°	1305.6	1101.7	673.4	425.8	330.7	305.9	315.3	336.7	351.3	359.8	359.0
35°	1477.8	1216.5	703.4	437.8	344.4	315.3	319.6	342.7	351.3	356.4	355.5
37.5°	1609.8	1298.8	714.5	440.4	349.5	319.6	321.3	341.0	353.0	362.4	360.7
40°	1632.1	1287.7	672.5	424.9	348.7	319.6	323.0	345.3	358.1	362.4	361.5
42.5°	1714.3	1318.5	636.5	397.5	338.4	318.7	326.4	347.0	353.0	350.4	347.8
45°	1857.4	1383.6	626.3	383.8	325.6	316.1	328.1	342.7	341.8	336.7	335.0
47.5°	1998.7	1446.2	604.0	377.8	322.1	315.3	327.3	337.5	340.1	335.0	333.3
50°	2178.6	1529.3	586.0	369.2	323.0	315.3	325.6	337.5	339.3	330.7	329.8
52.5°	2339.7	1586.7	559.4	361.5	323.8	317.8	325.6	337.5	338.4	329.8	328.1
55°	2507.6	1647.5	532.0	353.8	326.4	320.4	328.1	338.4	339.3	333.3	331.6
57.5°	2675.5	1700.6	501.2	347.8	329.0	325.6	329.8	339.3	346.1	344.4	344.4
60°	3018.2	1853.1	496.0	348.7	331.6	329.8	331.6	343.5	356.4	352.1	353.0
62.5°	3153.6	1885.6	486.6	359.8	339.3	333.3	334.1	347.0	360.7	366.7	365.8
65°	3277.0	1888.2	467.8	367.5	348.7	335.8	335.8	347.8	371.0	384.7	384.7
67°	3270.1	1836.8	454.1	368.4	353.0	338.4	335.0	347.8	371.8	387.2	388.1
67.5°	3230.7	1803.4	448.9	368.4	353.8	338.4	334.1	347.0	371.8	388.1	388.1
70°	2993.4	1627.8	415.5	359.0	351.3	334.1	329.0	338.4	366.7	389.0	389.0
72.5°	2479.4	1339.9	368.4	335.8	335.0	323.0	315.3	325.6	353.0	376.1	375.2
75°	2003.9	1070.9	321.3	301.6	310.1	301.6	295.6	303.3	329.8	353.0	351.3
77.5°	1497.6	804.5	277.6	269.0	281.0	275.0	269.9	277.6	303.3	325.6	322.1
80°	1106.9	620.3	241.6	238.2	246.7	245.0	243.3	246.7	269.0	283.6	281.0
82.5°	814.7	472.1	208.2	205.6	215.9	215.9	215.9	218.5	234.7	239.9	237.3
85°	579.1	355.5	183.3	176.5	185.1	189.3	191.9	192.8	201.3	202.2	196.2
87.5°	407.8	280.1	164.5	149.9	154.2	163.6	167.9	167.1	170.5	167.9	161.9
90°	284.4	220.2	149.1	127.7	127.7	137.1	143.9	143.1	143.9	137.1	131.1
92.5°	200.5	166.2	125.9	105.4	103.7	113.1	119.1	118.2	118.2	111.4	105.4
95°	134.5	122.5	100.2	84.8	82.2	90.0	96.0	94.2	94.2	87.4	84.8
97.5°	99.4	93.4	82.2	72.0	66.8	71.1	75.4	75.4	76.2	72.0	69.4
100°	78.0	75.4	70.3	61.7	56.5	57.4	60.0	60.0	63.4	60.0	58.3
102.5°	65.1	63.4	59.1	53.1	48.8	48.0	49.7	50.5	54.8	52.3	51.4
105°	54.0	53.1	50.5	45.4	42.0	42.0	42.0	42.8	47.1	45.4	45.4
107.5°	43.7	43.7	43.7	39.4	36.8	36.8	36.0	36.8	40.3	40.3	40.3



REPORT NUMBER: P417376

CATALOG NUMBER: LXF.LXT-PA1-90-830-U-T2R-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	36.8	36.8	37.7	34.3	32.6	32.6	31.7	32.6	36.0	36.8	36.8
112.5°	31.7	31.7	32.6	30.8	29.1	29.1	28.3	28.3	31.7	34.3	34.3
115°	27.4	28.3	28.3	27.4	26.6	25.7	24.8	25.7	29.1	31.7	31.7
117.5°	24.0	24.8	25.7	24.8	24.0	23.1	22.3	23.1	26.6	30.0	30.0
120°	21.4	22.3	23.1	23.1	22.3	21.4	19.7	21.4	24.0	27.4	28.3
122.5°	19.7	20.6	20.6	20.6	20.6	18.8	18.0	18.8	21.4	24.8	25.7
125°	18.8	18.8	19.7	19.7	18.8	17.1	16.3	17.1	18.8	21.4	22.3
127.5°	18.0	18.0	18.8	18.8	17.1	15.4	14.6	15.4	17.1	18.8	18.8
130°	18.0	18.0	18.0	17.1	16.3	14.6	12.9	13.7	15.4	17.1	17.1
132.5°	17.1	16.3	16.3	16.3	14.6	12.9	12.0	12.0	13.7	15.4	15.4
135°	15.4	15.4	14.6	14.6	13.7	11.1	10.3	10.3	12.0	13.7	13.7
137.5°	13.7	13.7	12.9	12.9	12.0	10.3	8.6	9.4	11.1	11.1	12.0
140°	12.0	12.0	11.1	11.1	10.3	8.6	6.9	7.7	9.4	9.4	10.3
142.5°	10.3	10.3	10.3	9.4	8.6	6.9	6.0	6.9	8.6	8.6	8.6
145°	8.6	8.6	8.6	7.7	6.9	5.1	4.3	6.0	7.7	6.9	6.9
147.5°	6.9	6.9	6.9	6.9	5.1	4.3	3.4	5.1	6.0	6.0	6.0
150°	5.1	5.1	5.1	5.1	4.3	2.6	2.6	4.3	5.1	5.1	5.1
152.5°	4.3	4.3	4.3	5.1	4.3	1.7	1.7	3.4	4.3	4.3	4.3
155°	3.4	3.4	4.3	4.3	3.4	1.7	0.9	2.6	3.4	3.4	3.4
157.5°	2.6	2.6	3.4	3.4	2.6	1.7	0.9	1.7	3.4	2.6	2.6
160°	1.7	2.6	2.6	2.6	2.6	1.7	0.0	1.7	2.6	1.7	1.7
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)