

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: P417382

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

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417382
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-6)
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-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7234 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

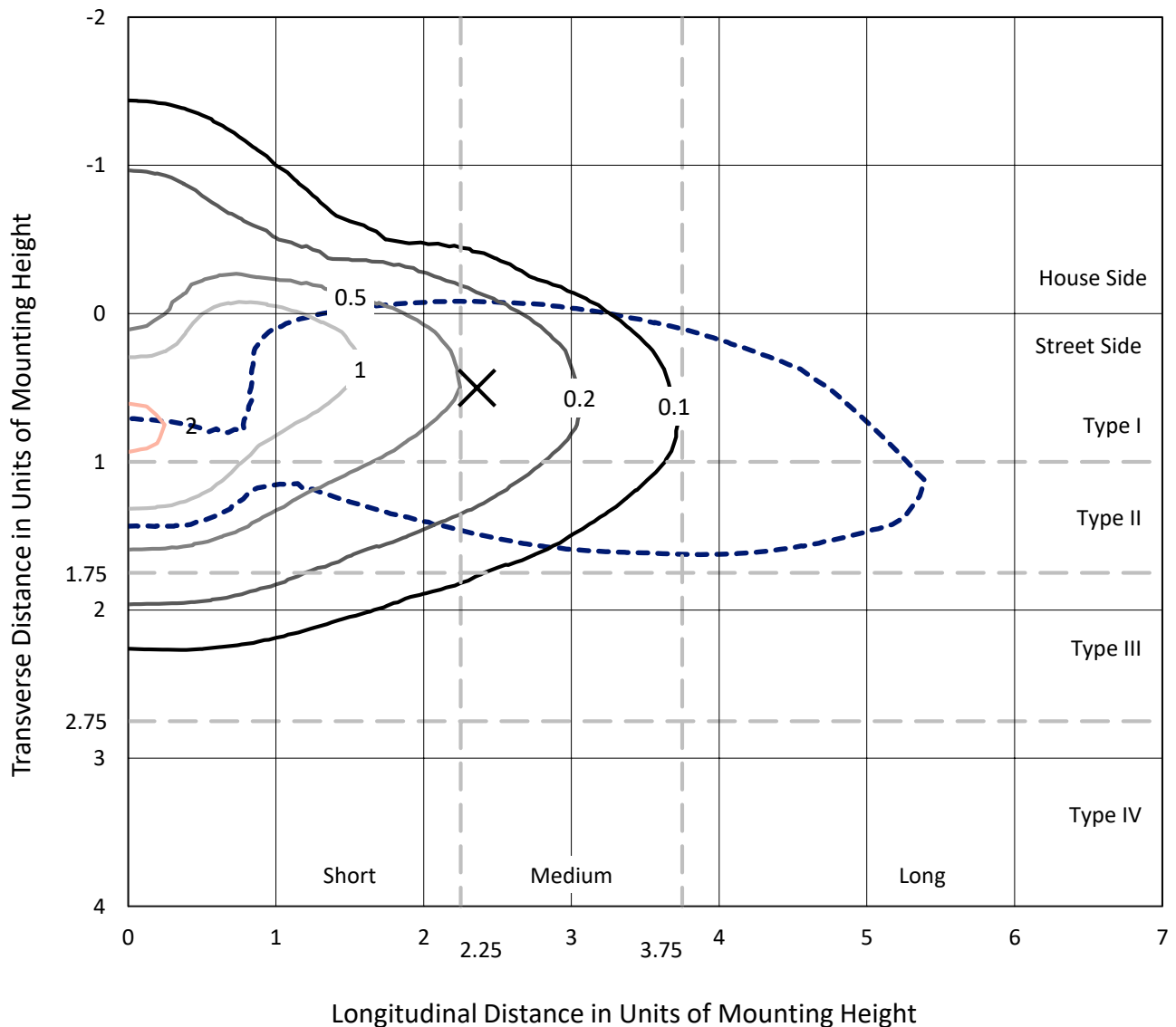


REPORT NUMBER: P417382

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

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

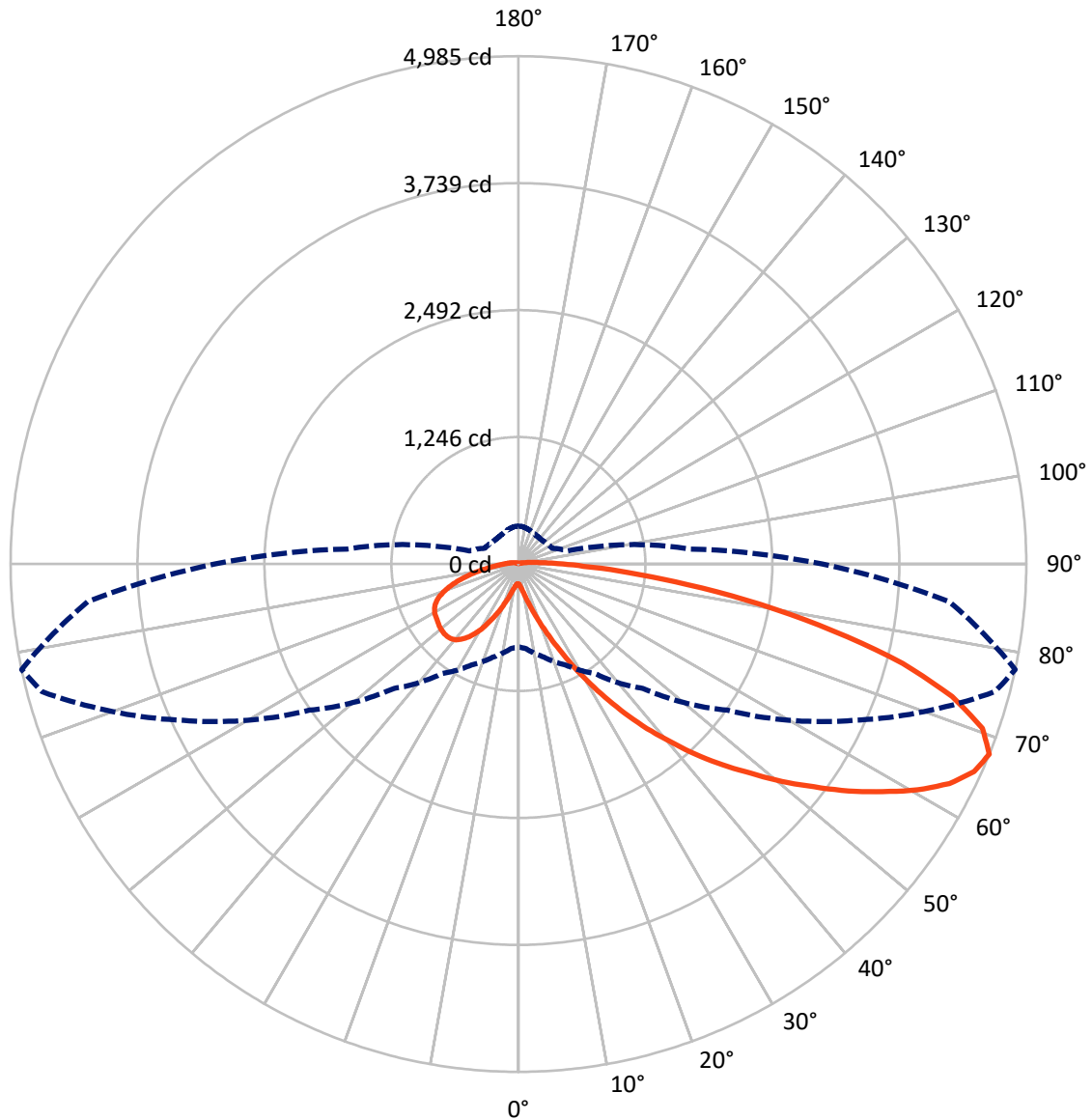


Based on 25 foot mounting height. Maximum calculated value = 2.2 fc
 Type II - Medium - Non-Cutoff

REPORT NUMBER: P417382

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

Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical



REPORT NUMBER: P417382

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

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1374.6	111.6	1486.2
	% Fixture	19.0	1.5	20.5
Street Side	Lumens	5634.7	113.1	5747.8
	% Fixture	77.9	1.6	79.5
Total	Lumens	7009.3	224.7	7234.0
	% Fixture	96.9	3.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.4	0.3
10°-20°	112.3	1.6
20°-30°	342.4	4.7
30°-40°	766.1	10.6
40°-50°	1262.3	17.5
50°-60°	1553.7	21.5
60°-70°	1506.9	20.8
70°-80°	1043.6	14.4
80°-90°	399.5	5.5
90°-100°	114.6	1.6
100°-110°	49.7	0.7
110°-120°	26.8	0.4
120°-130°	16.6	0.2
130°-140°	10.3	0.1
140°-150°	5.0	0.1
150°-160°	1.6	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	7009.3	96.9
0°-180°	7234.0	100.0

Coefficient of Utilization



REPORT NUMBER: P417382

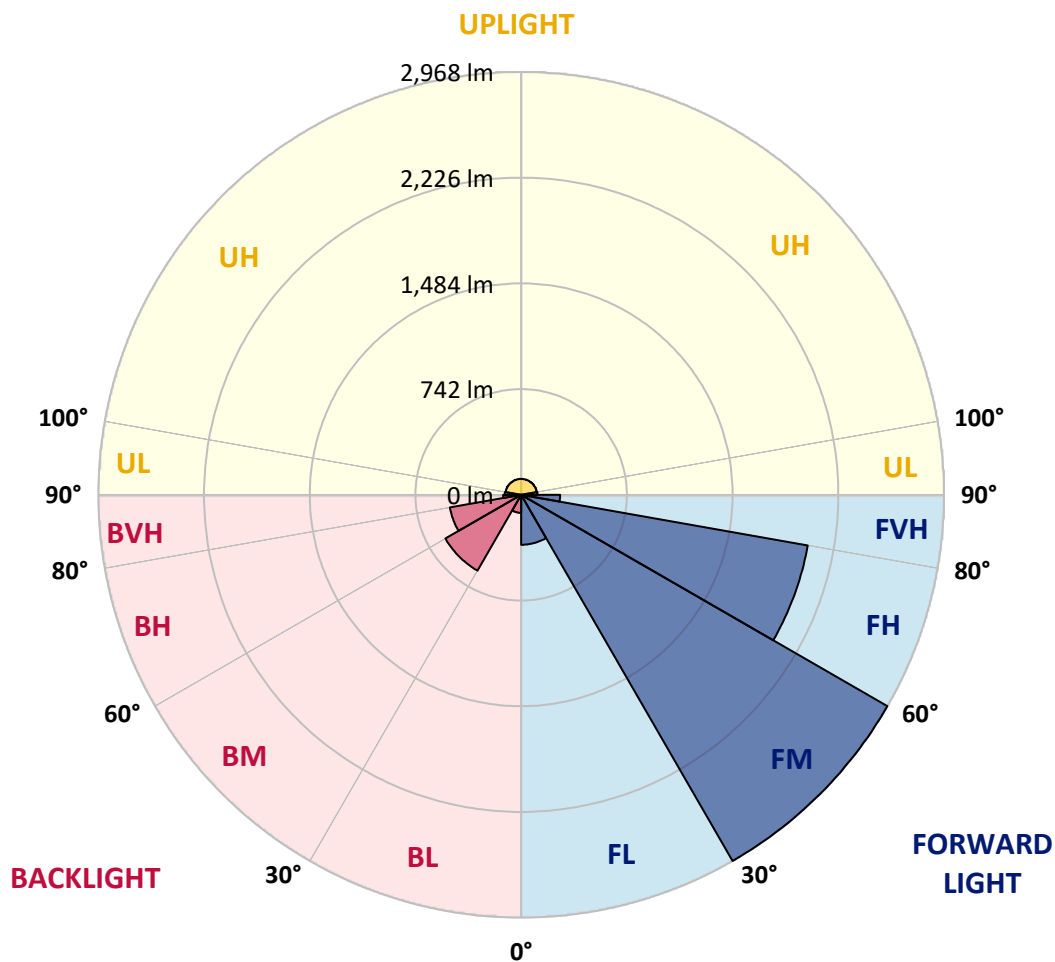
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	350.6	4.8			
FM (30°-60°)	2968.1	41.0			
FH (60°-80°)	2042.6	28.2			G2/5000
FVH (80°-90°)	273.4	3.8			G3/500
BL (0°-30°)	126.6	1.7	B1/500		
BM (30°-60°)	614.0	8.5	B1/1000		
BH (60°-80°)	507.9	7.0	B2/1000		G2/1000
BVH (80°-90°)	126.1	1.7			G2/225
UL (90°-100°)	114.6	1.6		U3/500	
UH (100°-180°)	111.6	1.5		U3/500	

BUG Rating: B2-U3-G3

Type II Medium





REPORT NUMBER: P417382

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

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	197.1	197.1	197.1	197.1	197.1	197.1	197.1	197.1	197.1	197.1	197.1
2.5°	234.8	233.0	233.0	232.2	228.8	225.3	220.2	214.2	209.1	205.6	202.2
5°	285.3	279.3	281.0	275.9	269.9	263.0	253.6	240.8	228.8	226.2	216.8
7.5°	346.1	338.4	341.0	335.0	323.9	309.3	296.4	277.6	259.6	253.6	239.9
10°	423.2	415.5	411.2	402.7	389.8	371.0	351.3	326.4	301.6	293.0	275.9
12.5°	514.9	508.9	502.9	490.9	470.4	446.4	421.5	394.1	361.6	350.4	323.9
15°	628.9	623.7	610.9	594.6	564.6	538.0	500.4	475.5	435.2	421.5	389.0
17.5°	756.5	746.2	733.4	709.4	675.1	641.7	610.0	568.0	524.3	513.2	472.9
20°	914.2	910.7	885.9	845.6	807.9	762.5	731.7	690.6	641.7	626.3	573.2
22.5°	1100.9	1094.1	1065.0	1004.1	947.6	889.3	864.5	821.6	786.5	765.1	695.7
25°	1325.4	1312.6	1264.6	1191.8	1111.2	1041.8	1000.7	985.3	957.9	925.3	840.5
27.5°	1564.5	1565.3	1499.3	1391.4	1279.2	1196.0	1164.3	1170.3	1136.9	1118.9	1015.3
30°	1860.0	1838.6	1752.1	1619.3	1467.6	1360.5	1341.7	1371.7	1362.3	1327.1	1204.6
32.5°	2155.6	2147.9	2040.8	1859.2	1660.4	1543.0	1529.3	1594.4	1591.9	1556.7	1400.8
35°	2450.3	2441.8	2309.0	2097.4	1861.8	1727.2	1715.2	1800.9	1831.8	1796.6	1621.9
37.5°	2746.8	2727.1	2593.4	2336.4	2052.8	1896.0	1901.2	2009.1	2081.1	2049.4	1835.2
40°	3008.1	3004.7	2848.7	2556.6	2237.0	2067.4	2101.6	2243.9	2332.1	2288.4	2052.0
42.5°	3208.6	3194.0	3056.1	2739.1	2402.4	2227.6	2286.7	2475.2	2588.3	2558.3	2265.3
45°	3301.1	3292.6	3182.0	2877.0	2530.9	2366.4	2459.8	2689.4	2843.6	2811.0	2484.6
47.5°	3276.3	3268.6	3208.6	2944.7	2615.7	2485.5	2612.3	2897.6	3111.8	3068.1	2703.1
50°	3127.2	3134.9	3116.1	2925.0	2645.7	2561.7	2757.1	3105.8	3373.9	3353.4	2913.9
52.5°	2854.7	2877.0	2907.0	2822.2	2618.3	2596.0	2861.6	3286.6	3634.4	3633.5	3147.8
55°	2500.9	2516.3	2620.8	2605.4	2513.8	2595.1	2938.7	3464.8	3927.4	3931.7	3389.4
57.5°	2125.6	2117.9	2256.7	2337.3	2361.2	2529.2	2976.4	3622.4	4186.2	4216.1	3644.7
60°	1715.2	1743.5	1873.7	2038.2	2128.2	2398.9	2963.6	3733.8	4435.5	4501.4	3876.9
62.5°	1394.0	1381.1	1524.2	1703.3	1885.7	2212.2	2870.2	3786.0	4672.8	4746.5	4091.1
65°	1053.0	1079.5	1208.9	1367.4	1584.2	1976.6	2719.4	3758.6	4819.3	4913.6	4225.6
67.5°	812.2	832.8	943.3	1092.4	1313.4	1726.4	2501.8	3631.0	4841.6	4984.7	4244.4
70°	628.0	644.3	722.3	849.1	1059.8	1450.5	2195.9	3387.7	4719.9	4831.3	4071.4
72.5°	500.4	507.2	562.0	664.9	837.1	1183.2	1863.5	3005.5	4352.4	4451.8	3716.6
75°	393.3	403.5	448.1	525.2	653.7	945.9	1523.3	2539.5	3792.9	3895.7	3227.4
77.5°	312.7	323.0	356.4	410.4	507.2	729.1	1190.0	2069.1	3096.4	3159.8	2571.2
80°	248.5	253.6	281.9	322.1	394.1	562.0	896.2	1570.5	2345.0	2410.9	1910.6
82.5°	188.5	192.8	221.0	256.2	307.6	425.8	647.7	1104.4	1651.8	1669.8	1297.1
85°	135.4	143.1	166.2	195.3	235.6	317.0	464.4	749.7	1053.8	1081.2	821.6
87.5°	96.0	99.4	122.5	149.9	179.9	234.8	323.0	493.5	648.6	640.9	498.6
90°	65.1	67.7	88.2	110.5	137.1	175.6	225.3	310.1	398.4	385.5	312.7
92.5°	43.7	48.0	65.1	84.0	107.1	135.4	160.2	203.1	246.7	234.8	198.8
95°	32.6	34.3	49.7	66.8	85.7	103.7	119.1	138.8	157.6	154.2	137.1
97.5°	25.7	27.4	40.3	54.8	69.4	84.0	92.5	99.4	109.7	108.8	98.5
100°	22.3	23.1	34.3	47.1	60.0	70.3	75.4	77.1	80.5	78.8	75.4
102.5°	18.8	20.6	30.0	41.1	52.3	60.0	63.4	61.7	60.8	59.1	55.7
105°	17.1	18.0	26.6	36.8	46.3	52.3	53.1	50.5	46.3	45.4	43.7
107.5°	16.3	17.1	24.0	33.4	41.1	46.3	45.4	42.0	36.8	35.1	34.3
110°	15.4	16.3	22.3	30.0	37.7	41.1	40.3	35.1	29.1	27.4	28.3



REPORT NUMBER: P417382

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

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
112.5°	15.4	15.4	20.6	27.4	34.3	36.8	35.1	30.0	24.0	23.1	24.0
115°	14.6	15.4	19.7	25.7	30.8	33.4	30.8	25.7	20.6	19.7	20.6
117.5°	14.6	15.4	18.8	24.0	29.1	30.0	27.4	22.3	17.1	17.1	18.8
120°	14.6	15.4	18.0	22.3	26.6	27.4	24.8	19.7	15.4	15.4	17.1
122.5°	15.4	15.4	17.1	21.4	24.8	25.7	22.3	17.1	14.6	14.6	16.3
125°	15.4	15.4	17.1	19.7	23.1	23.1	20.6	15.4	12.9	12.9	15.4
127.5°	15.4	15.4	17.1	18.8	21.4	21.4	18.8	14.6	12.0	12.0	14.6
130°	15.4	16.3	16.3	18.0	19.7	19.7	17.1	12.9	12.0	12.0	13.7
132.5°	16.3	16.3	16.3	17.1	18.8	18.0	14.6	12.0	11.1	11.1	12.9
135°	15.4	15.4	15.4	16.3	17.1	16.3	12.9	10.3	10.3	11.1	12.0
137.5°	15.4	15.4	15.4	14.6	15.4	14.6	12.0	9.4	9.4	10.3	11.1
140°	13.7	14.6	13.7	13.7	13.7	12.9	10.3	7.7	8.6	9.4	9.4
142.5°	12.9	12.9	12.9	12.0	12.0	11.1	8.6	6.9	7.7	7.7	8.6
145°	12.0	12.0	11.1	10.3	10.3	8.6	6.9	6.0	6.9	6.9	7.7
147.5°	10.3	10.3	10.3	8.6	7.7	6.9	4.3	4.3	5.1	6.0	6.0
150°	8.6	8.6	8.6	7.7	6.0	5.1	3.4	4.3	4.3	4.3	5.1
152.5°	6.9	6.9	6.9	6.0	5.1	3.4	2.6	3.4	3.4	3.4	4.3
155°	4.3	4.3	4.3	4.3	3.4	1.7	2.6	2.6	3.4	3.4	3.4
157.5°	2.6	2.6	2.6	2.6	1.7	1.7	1.7	2.6	2.6	2.6	2.6
160°	0.9	0.9	1.7	1.7	2.6	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: P417382

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	197.1	197.1	197.1	197.1	197.1	197.1	197.1	197.1	197.1	197.1	197.1
2.5°	199.6	197.1	192.8	188.5	184.2	179.9	176.5	175.6	173.1	173.1	172.2
5°	211.6	207.3	196.2	187.6	178.2	170.5	164.5	161.9	159.4	157.6	157.6
7.5°	233.0	223.6	207.3	192.8	179.9	168.8	161.1	156.8	153.4	151.6	151.6
10°	262.2	250.2	225.3	203.9	185.1	171.4	162.8	157.6	155.1	153.4	152.5
12.5°	305.0	287.9	251.9	221.0	197.1	179.9	168.8	165.4	166.2	166.2	166.2
15°	363.3	338.4	289.6	247.6	213.3	191.1	183.3	183.3	185.9	186.8	185.1
17.5°	438.7	405.3	336.7	274.2	233.9	210.8	202.2	202.2	206.5	209.1	209.1
20°	531.2	483.2	386.4	309.3	257.9	233.0	222.8	223.6	228.8	232.2	232.2
22.5°	637.4	580.9	449.8	345.3	284.4	252.7	241.6	242.5	251.0	255.3	257.0
25°	775.4	688.0	513.2	382.1	309.3	271.6	260.5	261.3	272.5	278.4	278.4
27.5°	921.0	807.1	577.5	418.1	330.7	288.7	277.6	280.2	292.2	297.3	299.0
30°	1076.1	933.9	641.7	448.9	347.8	301.6	290.4	295.6	306.7	314.4	315.3
32.5°	1248.3	1058.1	693.1	473.8	362.4	312.7	301.6	309.3	318.7	327.3	328.1
35°	1428.2	1181.5	738.5	490.9	371.8	322.1	310.1	317.9	327.3	335.0	334.1
37.5°	1589.3	1282.6	768.5	497.8	377.0	327.3	316.1	323.9	332.4	338.4	338.4
40°	1747.8	1388.0	783.1	492.6	377.0	329.9	318.7	327.3	335.0	338.4	338.4
42.5°	1898.6	1465.9	780.5	482.4	375.3	330.7	320.4	328.1	335.0	336.7	336.7
45°	2028.8	1537.9	765.1	465.2	369.3	329.9	321.3	328.1	333.3	333.3	334.1
47.5°	2183.0	1594.4	742.8	447.2	362.4	328.1	319.6	327.3	331.6	331.6	330.7
50°	2321.8	1649.3	712.8	427.5	356.4	326.4	318.7	326.4	331.6	329.9	329.9
52.5°	2469.2	1698.1	682.0	409.5	350.4	325.6	318.7	326.4	331.6	330.7	331.6
55°	2605.4	1746.9	643.4	393.3	347.0	324.7	319.6	327.3	334.1	334.1	333.3
57.5°	2780.2	1772.6	613.4	382.1	343.6	324.7	320.4	329.0	337.6	338.4	339.3
60°	2903.6	1806.1	588.6	375.3	343.6	326.4	323.0	331.6	342.7	347.0	349.6
62.5°	2993.5	1804.3	558.6	371.8	344.4	328.1	325.6	334.1	348.7	354.7	358.1
65°	3040.7	1773.5	527.8	369.3	345.3	329.9	327.3	335.9	353.0	364.1	367.6
67.5°	2979.0	1690.4	496.1	365.0	344.4	329.0	328.1	337.6	355.6	370.1	371.8
70°	2829.0	1549.9	458.4	355.6	341.0	326.4	325.6	333.3	353.0	370.1	371.8
72.5°	2544.6	1371.7	414.7	341.8	333.3	320.4	317.9	325.6	344.4	361.6	361.6
75°	2164.2	1165.2	371.8	322.1	317.9	310.1	307.6	311.9	328.1	344.4	345.3
77.5°	1694.7	927.9	326.4	294.7	299.0	293.0	290.4	293.0	307.6	318.7	319.6
80°	1289.4	706.8	282.7	262.2	272.5	270.7	268.2	267.3	277.6	286.2	283.6
82.5°	889.3	502.9	233.9	227.9	239.0	241.6	240.8	234.8	242.5	249.3	245.0
85°	574.0	355.6	195.3	192.8	203.1	207.3	206.5	202.2	203.9	211.6	203.1
87.5°	371.0	255.3	161.1	159.4	167.9	173.1	173.1	164.5	167.9	175.6	166.2
90°	232.2	180.8	134.5	133.7	139.7	142.2	138.8	133.7	135.4	139.7	136.2
92.5°	164.5	136.2	112.2	112.2	113.9	115.7	113.9	108.0	111.4	111.4	111.4
95°	119.9	108.0	97.7	96.0	95.1	94.2	93.4	89.1	92.5	91.7	89.1
97.5°	91.7	86.5	83.1	82.2	80.5	79.7	78.8	75.4	78.0	76.3	74.5
100°	72.0	71.1	71.1	71.1	69.4	66.8	66.8	66.0	66.0	63.4	63.4
102.5°	57.4	57.4	60.8	61.7	60.0	58.3	58.3	57.4	56.5	53.1	52.3
105°	45.4	47.1	52.3	53.1	52.3	50.5	49.7	49.7	48.0	43.7	43.7
107.5°	36.8	38.6	44.6	46.3	45.4	44.6	43.7	42.8	41.1	36.8	36.8
110°	30.0	32.6	37.7	40.3	39.4	38.6	38.6	36.8	35.1	31.7	31.7



REPORT NUMBER: P417382

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	25.7	28.3	32.6	35.1	35.1	34.3	33.4	32.6	30.0	27.4	27.4
115°	22.3	24.8	29.1	30.8	30.8	30.0	29.1	28.3	25.7	24.0	24.8
117.5°	20.6	22.3	25.7	27.4	27.4	26.6	25.7	24.8	23.1	22.3	22.3
120°	18.8	20.6	23.1	24.8	24.8	24.0	23.1	22.3	20.6	20.6	20.6
122.5°	17.1	18.8	21.4	22.3	22.3	21.4	20.6	19.7	18.0	18.8	18.8
125°	16.3	17.1	18.8	20.6	20.6	19.7	18.8	17.1	16.3	17.1	17.1
127.5°	15.4	16.3	18.0	18.8	18.8	18.0	16.3	15.4	14.6	15.4	15.4
130°	14.6	15.4	16.3	17.1	17.1	15.4	14.6	13.7	13.7	14.6	14.6
132.5°	13.7	14.6	14.6	15.4	15.4	14.6	12.9	12.0	12.0	12.9	12.9
135°	12.9	12.9	13.7	13.7	13.7	12.9	11.1	10.3	11.1	12.0	12.0
137.5°	11.1	12.0	12.0	12.9	12.0	11.1	9.4	9.4	10.3	10.3	10.3
140°	10.3	10.3	11.1	11.1	10.3	9.4	8.6	7.7	8.6	9.4	9.4
142.5°	9.4	9.4	9.4	9.4	9.4	7.7	6.9	6.9	7.7	7.7	7.7
145°	7.7	7.7	8.6	7.7	7.7	6.0	5.1	6.0	6.9	6.9	6.9
147.5°	6.0	6.9	6.9	6.9	6.0	4.3	3.4	5.1	6.0	6.0	6.0
150°	5.1	5.1	5.1	5.1	5.1	3.4	2.6	4.3	5.1	5.1	5.1
152.5°	4.3	4.3	5.1	5.1	4.3	2.6	1.7	3.4	4.3	4.3	3.4
155°	3.4	3.4	4.3	4.3	3.4	1.7	1.7	2.6	3.4	3.4	2.6
157.5°	2.6	3.4	3.4	3.4	2.6	1.7	0.9	1.7	2.6	2.6	2.6
160°	2.6	2.6	2.6	3.4	2.6	1.7	0.9	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)