

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: P416663

Luminaire Tested: **LXF.LXT-PA1-80-727-U-T2U-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416663
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-25)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-80-727-U-T2U-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7226 lumens
Efficiency: N/A
Efficacy: 87.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B2 - U3 - G3

Input Watts (W): 83
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

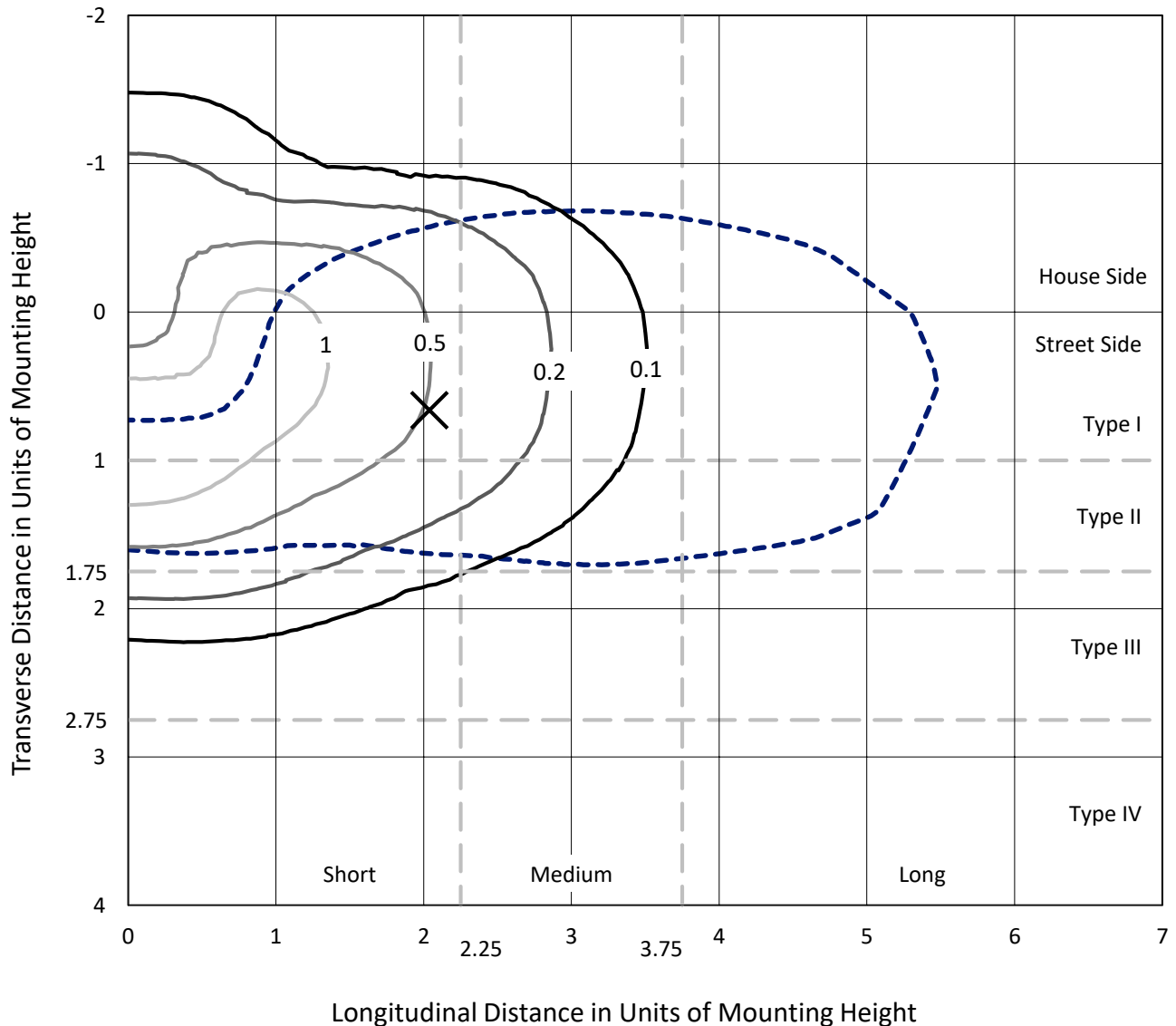


REPORT NUMBER: P416663

CATALOG NUMBER: LXF.LXT-PA1-80-727-U-T2U-TL

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

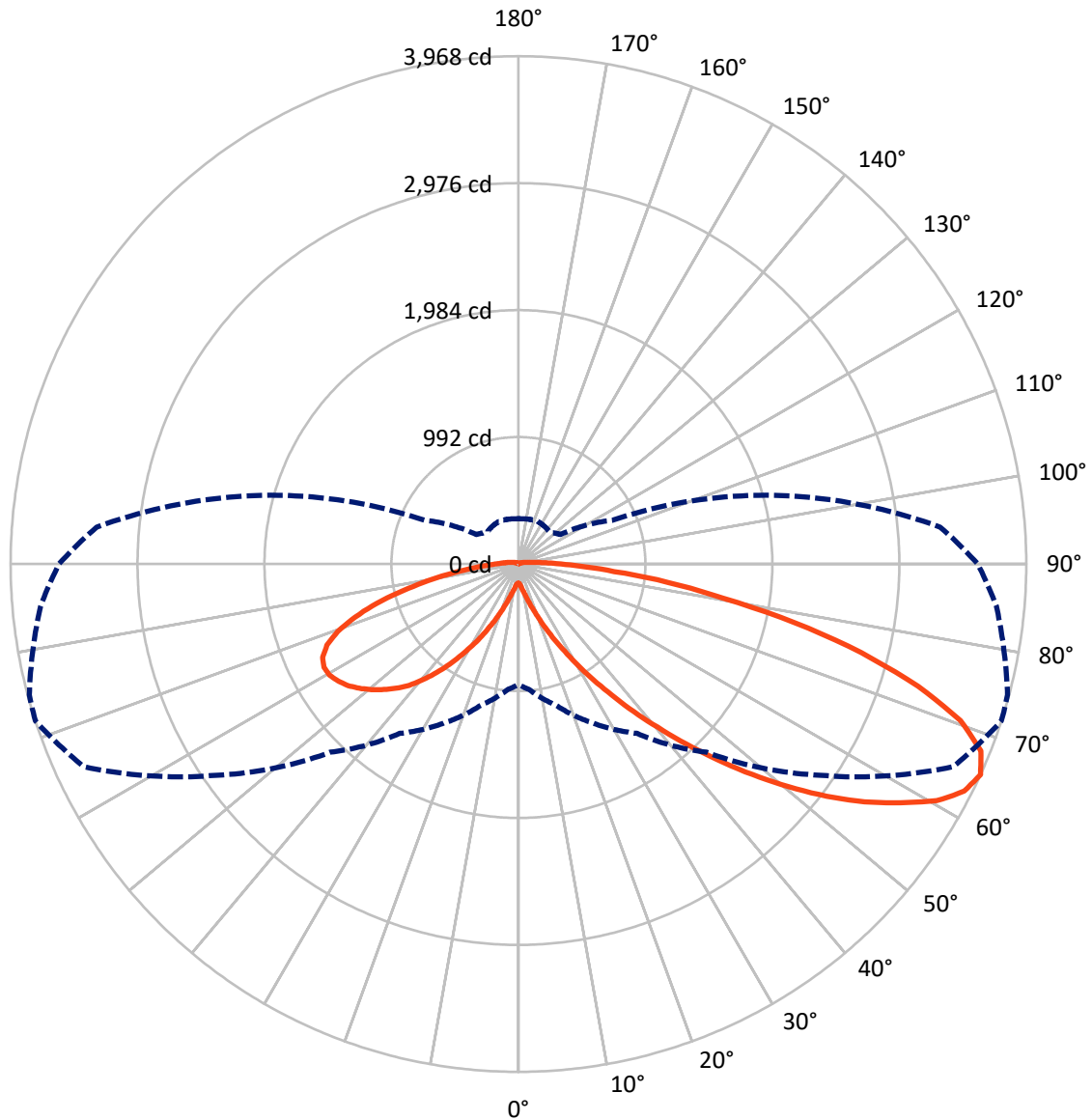


Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
 Type II - Short - Non-Cutoff

REPORT NUMBER: P416663

CATALOG NUMBER: LXF.LXT-PA1-80-727-U-T2U-TL

Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical



REPORT NUMBER: P416663

CATALOG NUMBER: LXF.LXT-PA1-80-727-U-T2U-TL

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2037.3	102.5	2139.8
	% Fixture	28.2	1.4	29.6
Street Side	Lumens	4986.2	99.9	5086.2
	% Fixture	69.0	1.4	70.4
Total	Lumens	7023.5	202.5	7226.0
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.2	0.2
10°-20°	87.4	1.2
20°-30°	276.9	3.8
30°-40°	663.5	9.2
40°-50°	1225.1	17.0
50°-60°	1669.3	23.1
60°-70°	1627.6	22.5
70°-80°	1062.9	14.7
80°-90°	393.7	5.4
90°-100°	109.4	1.5
100°-110°	45.9	0.6
110°-120°	23.1	0.3
120°-130°	13.1	0.2
130°-140°	7.4	0.1
140°-150°	3.0	0.0
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7023.5	97.2
0°-180°	7226.0	100.0



REPORT NUMBER: P416663

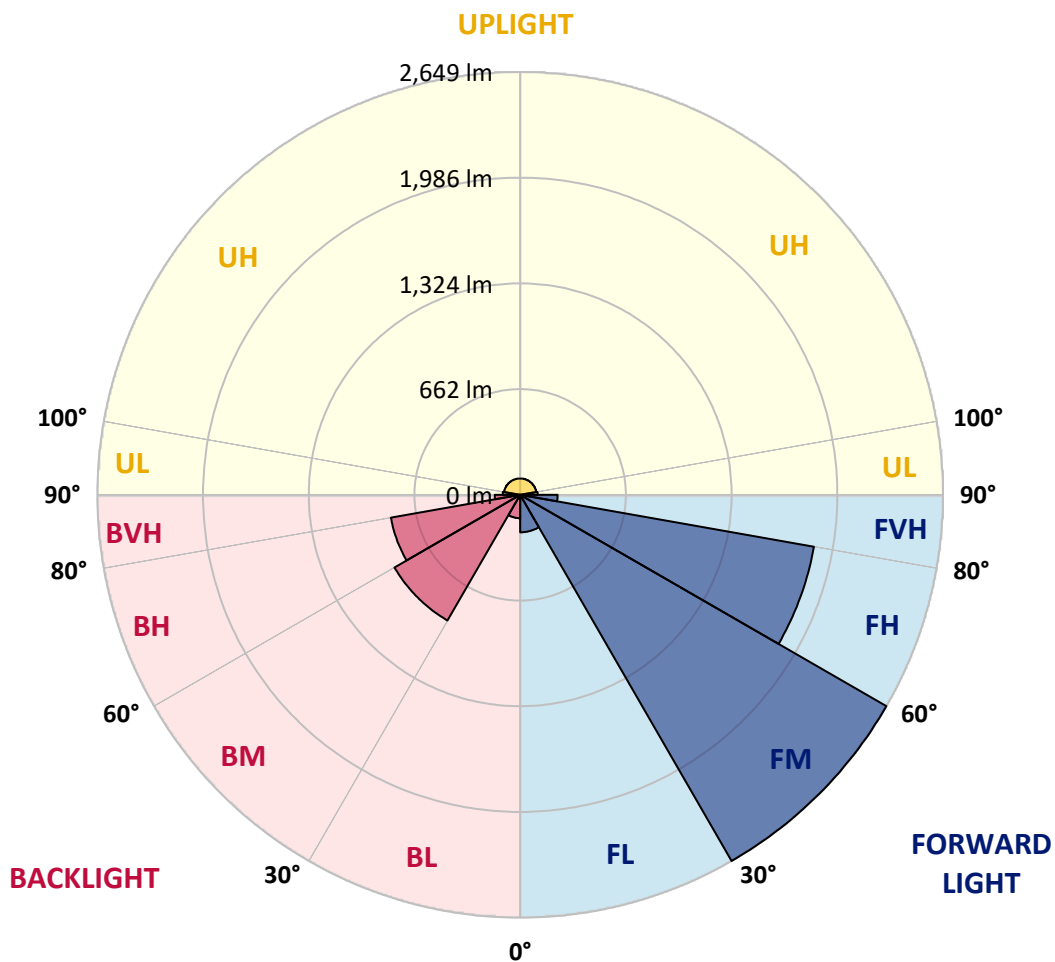
CATALOG NUMBER: LXF.LXT-PA1-80-727-U-T2U-TL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	234.7	3.2			
FM (30°-60°)	2648.6	36.7			
FH (60°-80°)	1868.4	25.9			G2/5000
FVH (80°-90°)	234.4	3.2			G3/500
BL (0°-30°)	146.7	2.0	B1/500		
BM (30°-60°)	909.3	12.6	B1/1000		
BH (60°-80°)	822.0	11.4	B2/1000		G2/1000
BVH (80°-90°)	159.3	2.2			G2/225
UL (90°-100°)	109.4	1.5		U3/500	
UH (100°-180°)	102.5	1.4		U3/500	

BUG Rating: B2-U3-G3

Type II Short





REPORT NUMBER: P416663

CATALOG NUMBER: LXF.LXT-PA1-80-727-U-T2U-TL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	150.5	150.5	150.5	150.5	150.5	150.5	150.5	150.5	150.5	150.5	150.5
2.5°	166.4	165.6	163.9	163.1	163.1	161.4	159.7	157.2	155.6	154.7	153.1
5°	188.2	186.5	184.8	183.2	181.5	179.0	174.8	172.3	168.9	168.1	164.8
7.5°	219.1	217.4	212.4	210.8	208.2	204.9	199.9	194.9	191.5	189.0	184.0
10°	260.1	258.4	255.1	250.9	245.9	239.2	230.8	225.8	217.4	219.1	211.6
12.5°	316.1	312.0	307.8	301.1	291.0	283.5	271.8	266.8	257.6	257.6	248.4
15°	383.9	383.0	374.7	360.5	351.3	335.4	325.3	314.5	308.6	308.6	301.1
17.5°	471.7	465.8	459.2	439.9	419.0	399.8	386.4	378.9	372.2	370.5	360.5
20°	580.4	572.1	562.0	527.7	502.6	479.2	460.0	454.1	449.1	448.3	439.9
22.5°	718.4	700.9	682.5	649.0	608.9	567.9	554.5	541.1	541.9	543.6	524.4
25°	871.5	866.5	833.8	786.2	733.5	688.3	651.5	646.5	651.5	648.2	640.6
27.5°	1068.0	1051.3	1010.3	949.2	865.6	812.9	773.6	770.3	771.1	775.3	762.7
30°	1297.2	1288.8	1237.0	1134.9	1027.0	956.8	914.1	908.3	918.3	919.1	899.9
32.5°	1567.3	1550.6	1471.1	1357.4	1210.2	1120.7	1072.2	1070.5	1081.4	1083.9	1068.8
35°	1840.8	1832.4	1753.8	1590.7	1429.3	1293.8	1244.5	1247.8	1255.3	1270.4	1252.8
37.5°	2156.1	2133.5	2032.3	1860.0	1656.0	1493.7	1441.0	1452.7	1464.4	1464.4	1440.2
40°	2453.8	2445.5	2339.2	2122.6	1878.4	1727.9	1670.2	1676.9	1676.0	1676.9	1645.1
42.5°	2729.8	2701.4	2607.7	2377.7	2126.0	1972.9	1903.5	1914.4	1924.4	1932.0	1851.7
45°	2916.3	2892.1	2809.3	2582.6	2360.2	2215.5	2170.3	2170.3	2182.0	2178.7	2099.2
47.5°	2982.4	2979.1	2917.2	2744.9	2540.8	2428.7	2431.2	2440.4	2458.0	2442.1	2328.4
50°	2951.5	2938.1	2927.2	2831.0	2690.5	2637.0	2687.2	2734.0	2735.7	2707.2	2562.6
52.5°	2757.4	2759.1	2814.3	2796.7	2732.3	2786.7	2939.7	3022.5	3015.0	2987.4	2813.5
55°	2462.2	2475.6	2571.8	2645.4	2684.7	2835.2	3127.1	3298.5	3281.8	3243.3	3066.9
57.5°	2069.1	2112.6	2241.4	2402.0	2542.5	2790.0	3229.1	3537.7	3520.2	3520.2	3319.4
60°	1650.9	1686.1	1875.9	2071.6	2293.3	2637.8	3239.2	3713.4	3756.0	3729.3	3498.4
62.5°	1280.4	1295.5	1492.0	1738.8	1976.3	2381.9	3123.7	3797.0	3909.9	3887.3	3659.0
65°	942.6	985.2	1144.1	1369.9	1615.8	2080.0	2877.0	3747.6	3968.4	3956.7	3747.6
67.5°	700.9	720.1	853.1	1062.2	1305.5	1704.5	2517.4	3531.9	3898.2	3908.2	3734.3
70°	525.2	530.2	633.9	806.2	1013.6	1344.8	2098.4	3187.3	3664.9	3710.0	3614.7
72.5°	397.3	406.5	492.6	628.1	782.0	1035.4	1658.5	2718.9	3266.8	3378.8	3342.9
75°	311.1	322.0	381.4	485.9	604.7	783.7	1255.3	2165.3	2767.5	2912.1	2952.3
77.5°	245.9	257.6	307.8	388.1	471.7	604.7	922.5	1620.0	2210.5	2355.1	2472.2
80°	193.2	201.6	245.9	305.3	371.3	446.6	646.5	1177.6	1623.3	1804.0	1911.0
82.5°	147.2	156.4	190.7	240.9	291.0	341.2	461.7	801.2	1177.6	1259.5	1441.9
85°	107.1	115.4	143.9	184.8	224.1	264.3	337.9	534.4	750.2	848.1	940.0
87.5°	78.6	82.0	107.1	137.2	172.3	199.9	243.4	341.2	476.7	525.2	602.2
90°	55.2	58.5	78.6	101.2	130.5	156.4	179.0	225.8	296.9	340.4	354.6
92.5°	41.0	43.5	58.5	76.1	100.4	121.3	135.5	159.7	193.2	211.6	223.3
95°	30.9	33.5	46.0	60.2	77.8	95.3	106.2	115.4	134.7	139.7	149.7
97.5°	25.1	26.8	37.6	49.3	62.7	78.6	84.5	89.5	96.2	101.2	105.4
100°	21.7	22.6	31.8	41.8	53.5	63.6	68.6	71.1	75.3	76.9	78.6
102.5°	19.2	19.2	27.6	36.0	46.0	53.5	57.7	57.7	58.5	59.4	58.5
105°	16.7	17.6	24.3	31.8	39.3	46.0	49.3	47.7	46.8	46.0	43.5
107.5°	15.9	15.9	21.7	28.4	35.1	40.1	42.7	39.3	37.6	36.0	33.5
110°	14.2	15.1	19.2	25.1	30.9	35.1	36.8	33.5	30.1	28.4	25.9



REPORT NUMBER: P416663

CATALOG NUMBER: LXF.LXT-PA1-80-727-U-T2U-TL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	13.4	14.2	17.6	22.6	27.6	31.8	31.8	28.4	24.3	22.6	20.9
115°	13.4	13.4	15.9	20.1	25.1	28.4	28.4	24.3	20.1	18.4	17.6
117.5°	13.4	13.4	15.1	18.4	22.6	25.1	25.1	20.9	16.7	15.1	15.1
120°	12.5	12.5	14.2	16.7	20.9	22.6	21.7	18.4	14.2	13.4	13.4
122.5°	12.5	12.5	13.4	15.9	19.2	20.9	20.1	15.9	12.5	10.9	11.7
125°	13.4	12.5	13.4	15.1	17.6	18.4	17.6	13.4	10.9	10.0	10.9
127.5°	13.4	13.4	12.5	14.2	15.9	16.7	15.9	11.7	9.2	9.2	10.0
130°	13.4	13.4	12.5	13.4	14.2	15.1	13.4	10.0	8.4	8.4	9.2
132.5°	13.4	13.4	12.5	12.5	13.4	13.4	11.7	8.4	7.5	7.5	8.4
135°	13.4	13.4	11.7	11.7	11.7	11.7	10.0	7.5	6.7	6.7	7.5
137.5°	12.5	12.5	11.7	10.9	10.9	10.0	8.4	5.9	5.0	5.9	6.7
140°	11.7	11.7	10.9	9.2	9.2	8.4	6.7	5.0	4.2	5.0	5.0
142.5°	10.9	10.9	10.0	8.4	7.5	6.7	5.9	3.3	3.3	3.3	4.2
145°	10.0	10.0	9.2	6.7	5.9	5.0	4.2	2.5	2.5	2.5	3.3
147.5°	8.4	8.4	7.5	5.9	4.2	4.2	2.5	1.7	2.5	2.5	2.5
150°	6.7	6.7	5.9	4.2	3.3	2.5	0.8	1.7	1.7	1.7	2.5
152.5°	5.9	5.9	4.2	3.3	1.7	0.8	0.8	0.8	1.7	1.7	1.7
155°	4.2	4.2	3.3	1.7	0.8	0.0	0.8	0.8	0.8	0.8	0.8
157.5°	2.5	2.5	1.7	0.8	0.0	0.0	0.0	0.8	0.8	0.8	0.8
160°	0.8	0.8	0.0	0.0	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



REPORT NUMBER: P416663

CATALOG NUMBER: LXF.LXT-PA1-80-727-U-T2U-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	150.5	150.5	150.5	150.5	150.5	150.5	150.5	150.5	150.5	150.5	150.5
2.5°	151.4	151.4	150.5	149.7	148.9	148.0	146.4	145.5	145.5	144.7	144.7
5°	163.1	162.3	159.7	157.2	153.9	152.2	149.7	148.0	147.2	146.4	146.4
7.5°	181.5	179.8	174.8	170.6	166.4	163.1	158.9	156.4	155.6	153.1	153.9
10°	207.4	204.9	199.0	191.5	184.0	179.0	173.1	169.8	168.1	166.4	164.8
12.5°	245.0	240.0	230.0	220.0	209.1	199.0	193.2	190.7	192.4	191.5	192.4
15°	296.9	287.7	272.6	257.6	238.4	225.8	224.1	223.3	223.3	224.1	225.8
17.5°	355.4	345.4	326.2	298.6	276.0	263.4	255.9	255.1	259.3	260.1	259.3
20°	432.4	422.4	392.2	354.6	322.0	301.9	291.9	291.9	297.7	299.4	302.8
22.5°	515.2	509.3	468.4	416.5	373.0	340.4	326.2	327.8	336.2	338.7	340.4
25°	630.6	607.2	557.0	485.9	423.2	379.7	360.5	361.3	370.5	377.2	379.7
27.5°	757.7	731.0	657.4	564.5	473.4	412.3	390.6	391.4	402.3	410.6	412.3
30°	894.0	867.3	771.1	642.3	520.2	441.6	412.3	413.2	425.7	434.9	436.6
32.5°	1039.6	1017.8	883.2	725.9	561.2	461.7	426.5	427.4	438.2	446.6	448.3
35°	1223.6	1174.2	1016.2	800.4	595.5	474.2	433.2	432.4	443.3	451.6	453.3
37.5°	1405.1	1352.4	1142.4	869.8	615.5	477.6	431.6	431.6	439.9	446.6	447.4
40°	1602.4	1514.6	1275.4	924.2	623.1	472.5	426.5	425.7	432.4	435.7	436.6
42.5°	1814.9	1707.0	1405.9	967.6	619.7	461.7	417.3	418.2	420.7	420.7	419.8
45°	2006.4	1896.8	1518.0	996.1	608.0	447.4	406.5	407.3	408.1	401.4	401.4
47.5°	2231.4	2098.4	1623.3	1002.8	584.6	433.2	398.1	399.8	395.6	386.4	384.7
50°	2444.6	2296.6	1729.6	1000.3	560.3	418.2	389.7	391.4	383.9	371.3	368.8
52.5°	2682.1	2492.3	1829.9	987.7	531.1	404.8	383.9	385.6	377.2	362.1	359.6
55°	2916.3	2699.7	1921.9	966.0	506.0	390.6	378.0	382.2	371.3	356.3	355.4
57.5°	3139.6	2905.5	1998.0	934.2	479.2	380.5	373.8	378.9	368.8	353.8	352.9
60°	3338.7	3080.2	2059.1	903.2	450.0	370.5	369.7	376.4	367.2	354.6	353.8
62.5°	3478.3	3237.5	2086.7	861.4	426.5	359.6	364.6	371.3	364.6	354.6	354.6
65°	3589.6	3307.7	2075.8	806.2	401.4	347.9	358.0	364.6	360.5	353.8	354.6
67.5°	3568.7	3306.1	2004.7	740.2	378.0	335.4	346.2	355.4	352.1	349.6	348.8
70°	3439.9	3149.7	1868.4	668.2	353.8	319.5	332.0	341.2	340.4	339.6	339.6
72.5°	3174.8	2878.7	1664.3	585.4	328.7	302.8	313.6	322.0	323.7	322.8	320.3
75°	2828.5	2505.7	1427.6	507.7	302.8	282.7	294.4	299.4	301.9	300.2	300.2
77.5°	2320.8	2089.2	1134.9	429.0	275.2	260.1	268.5	272.6	276.0	271.8	269.3
80°	1844.1	1589.1	873.1	350.4	245.0	235.0	239.2	240.9	244.2	240.0	235.0
82.5°	1294.7	1132.4	633.1	286.0	214.9	206.6	209.1	208.2	209.9	204.1	197.4
85°	864.8	761.1	435.7	230.0	184.0	176.5	176.5	174.0	172.3	166.4	161.4
87.5°	542.8	481.7	299.4	181.5	154.7	148.9	145.5	140.5	138.8	134.7	128.8
90°	334.5	307.8	209.1	145.5	128.8	123.8	120.4	112.9	112.1	105.4	101.2
92.5°	219.1	200.7	154.7	117.9	107.9	102.9	98.7	92.0	91.2	86.1	83.6
95°	144.7	140.5	117.9	98.7	91.2	87.0	82.8	76.9	75.3	70.3	66.9
97.5°	106.2	106.2	97.0	83.6	77.8	73.6	71.1	66.1	62.7	57.7	56.0
100°	80.3	81.1	77.8	71.9	66.9	62.7	60.2	56.0	53.5	48.5	47.7
102.5°	61.9	63.6	64.4	61.1	57.7	54.4	51.9	48.5	45.2	40.1	39.3
105°	47.7	49.3	52.7	51.9	50.2	47.7	45.2	41.8	37.6	33.5	33.5
107.5°	36.8	38.5	43.5	44.3	43.5	41.0	39.3	36.0	32.6	28.4	28.4
110°	28.4	30.9	36.0	37.6	37.6	36.0	34.3	30.9	26.8	24.3	24.3



REPORT NUMBER: P416663

CATALOG NUMBER: LXF.LXT-PA1-80-727-U-T2U-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	23.4	25.9	30.1	32.6	32.6	31.8	29.3	25.9	22.6	20.9	20.9
115°	19.2	21.7	25.9	28.4	28.4	27.6	25.9	22.6	19.2	18.4	18.4
117.5°	16.7	18.4	21.7	24.3	25.1	24.3	22.6	19.2	16.7	16.7	16.7
120°	15.1	16.7	19.2	20.9	21.7	20.9	19.2	16.7	14.2	15.1	15.1
122.5°	13.4	14.2	16.7	19.2	19.2	19.2	17.6	14.2	12.5	13.4	13.4
125°	11.7	13.4	15.1	16.7	17.6	16.7	15.1	12.5	10.9	11.7	12.5
127.5°	10.9	11.7	13.4	15.1	15.1	15.1	13.4	10.9	10.0	10.9	10.9
130°	10.0	10.9	11.7	13.4	13.4	13.4	11.7	9.2	9.2	10.0	10.0
132.5°	9.2	10.0	10.9	11.7	11.7	11.7	10.0	8.4	7.5	9.2	9.2
135°	8.4	8.4	9.2	10.0	10.0	10.0	8.4	6.7	6.7	8.4	8.4
137.5°	6.7	7.5	8.4	8.4	8.4	8.4	6.7	5.9	5.9	6.7	6.7
140°	5.9	5.9	6.7	6.7	6.7	6.7	5.9	4.2	5.0	5.9	5.9
142.5°	5.0	5.0	5.9	5.9	5.9	5.0	4.2	3.3	4.2	5.0	5.0
145°	3.3	4.2	4.2	4.2	4.2	3.3	2.5	2.5	3.3	4.2	4.2
147.5°	3.3	3.3	3.3	3.3	3.3	2.5	1.7	1.7	2.5	3.3	3.3
150°	2.5	2.5	3.3	3.3	2.5	1.7	0.8	0.8	1.7	2.5	2.5
152.5°	1.7	1.7	2.5	2.5	1.7	0.8	0.0	0.0	0.8	0.8	0.8
155°	1.7	1.7	1.7	1.7	1.7	0.8	0.0	0.0	0.0	0.0	0.0
157.5°	0.8	0.8	1.7	1.7	0.8	0.8	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.8	0.8	0.8	0.8	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

(END OF REPORT)