

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: P416701

Luminaire Tested: **LXF.LXT-PA1-80-730-U-T2R-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416701
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-4)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-80-730-U-T2R-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8063.1 lumens
Efficiency: N/A
Efficacy: 97.1 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 - G2

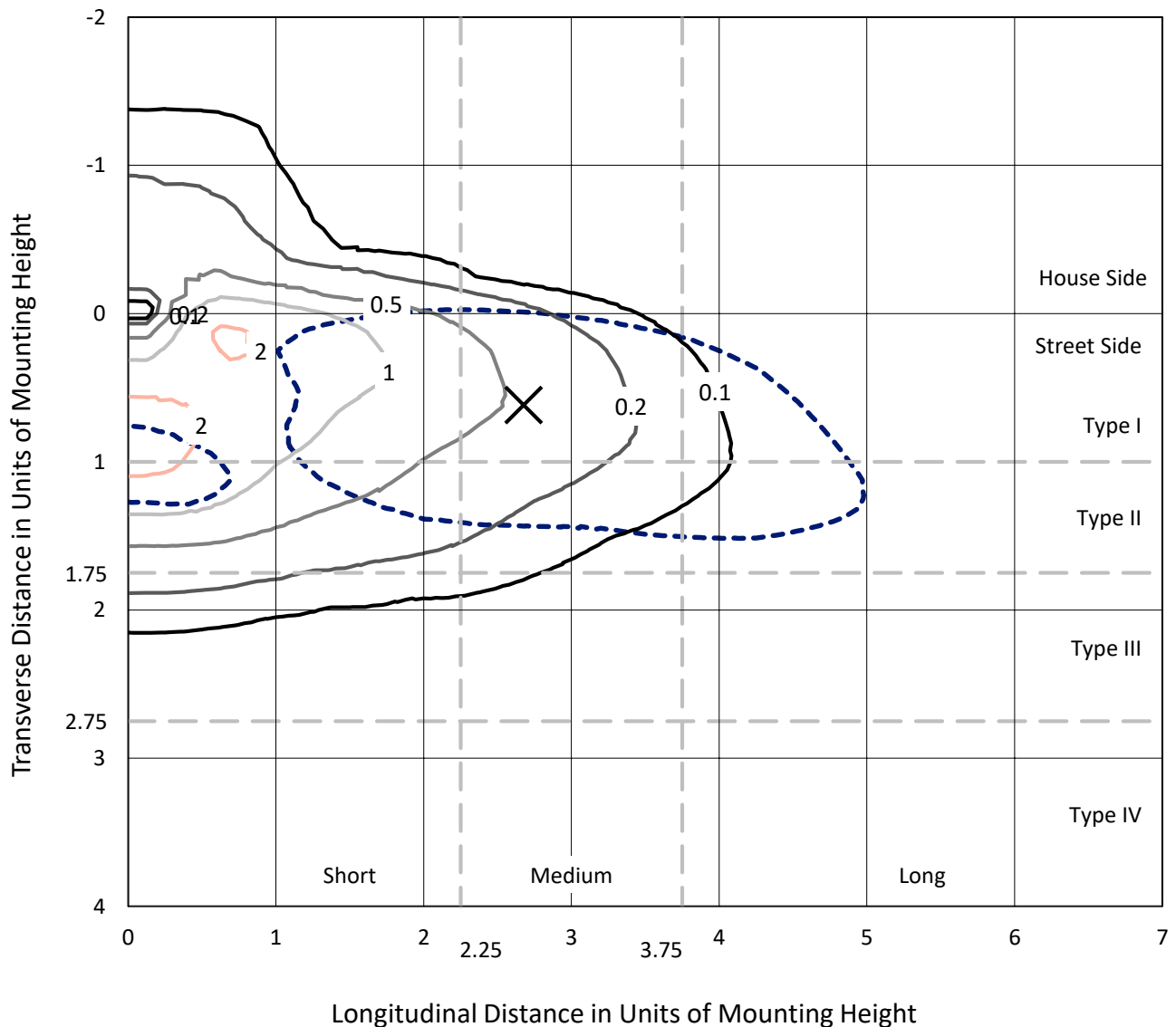
Input Watts (W): 83
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P416701
 CATALOG NUMBER: LXF.LXT-PA1-80-730-U-T2R-CL

Iso-Footcandle Lines of Horizontal Illumination

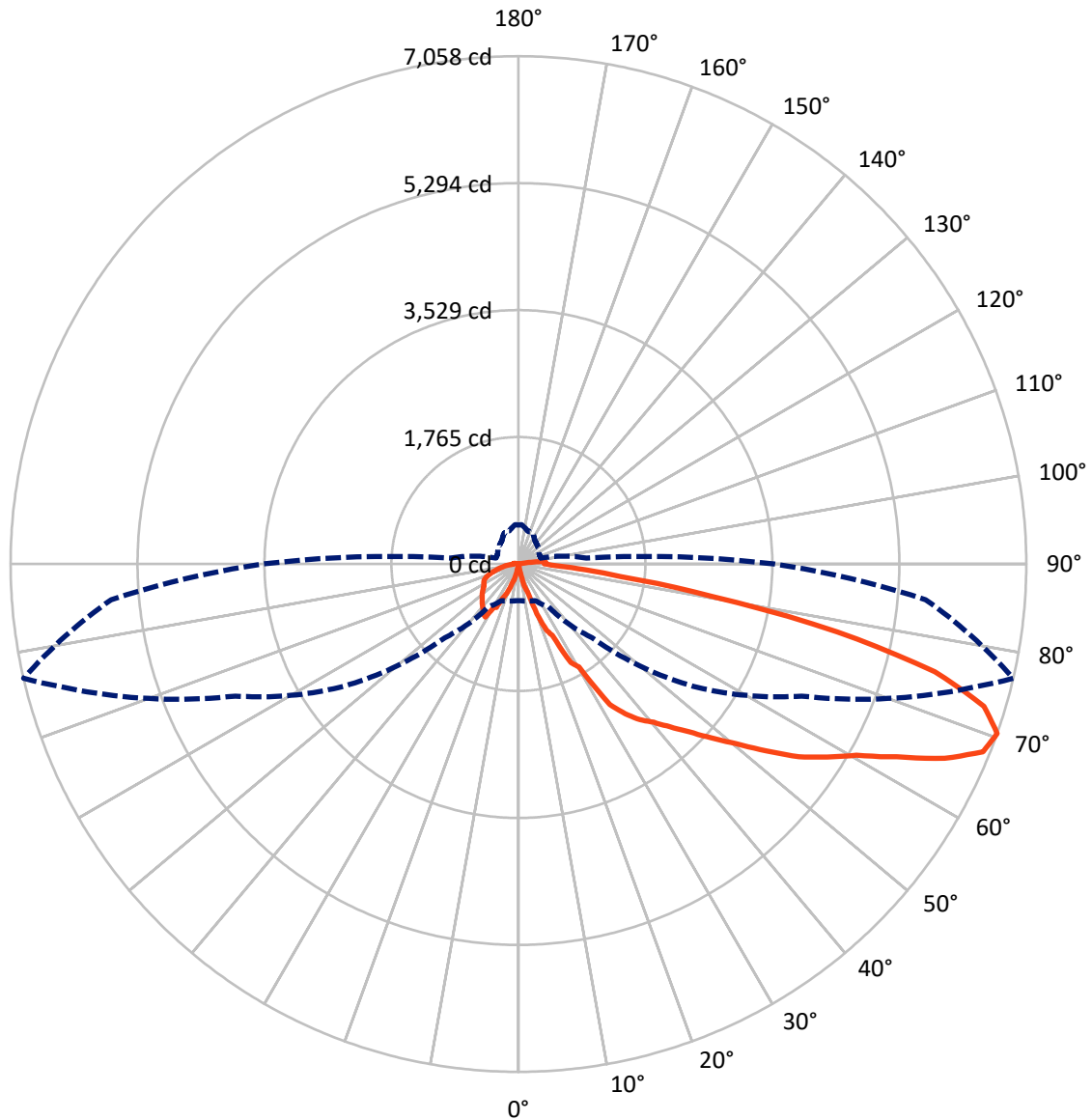
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 fc
 Type II - Medium - Non-Cutoff

REPORT NUMBER: P416701
CATALOG NUMBER: LXF.LXT-PA1-80-730-U-T2R-CL

Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical



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CATALOG NUMBER: LXF.LXT-PA1-80-730-U-T2R-CL

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1363.7	59.8	1423.6
	% Fixture	16.9	0.7	17.7
Street Side	Lumens	6565.0	74.5	6639.5
	% Fixture	81.4	0.9	82.3
Total	Lumens	7928.7	134.3	8063.1
	% Fixture	98.3	1.7	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.5	0.1
10°-20°	95.9	1.2
20°-30°	380.0	4.7
30°-40°	917.7	11.4
40°-50°	1484.3	18.4
50°-60°	1775.2	22.0
60°-70°	1736.0	21.5
70°-80°	1200.1	14.9
80°-90°	333.0	4.1
90°-100°	87.6	1.1
100°-110°	17.9	0.2
110°-120°	9.6	0.1
120°-130°	7.7	0.1
130°-140°	5.2	0.1
140°-150°	4.3	0.1
150°-160°	1.9	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	7928.7	98.3
0°-180°	8063.1	100.0



REPORT NUMBER: P416701

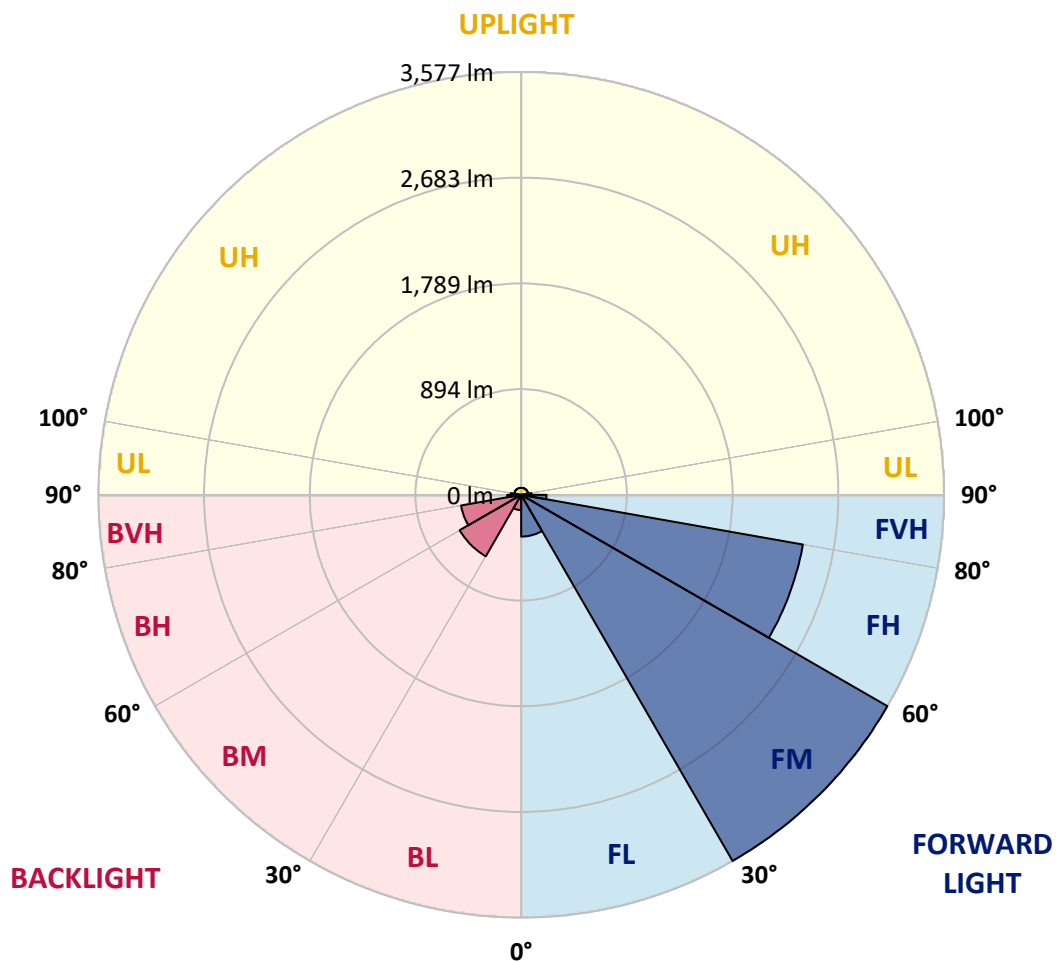
CATALOG NUMBER: LXF.LXT-PA1-80-730-U-T2R-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	353.3	4.4			
FM (30°-60°)	3577.3	44.4			
FH (60°-80°)	2419.8	30.0			G2/5000
FVH (80°-90°)	214.6	2.7			G2/225
BL (0°-30°)	129.1	1.6	B1/500		
BM (30°-60°)	599.9	7.4	B1/1000		
BH (60°-80°)	516.3	6.4	B2/1000		G2/1000
BVH (80°-90°)	118.5	1.5			G2/225
UL (90°-100°)	87.6	1.1		U3/500	
UH (100°-180°)	59.8	0.7		U3/500	

BUG Rating: B2-U3-G2

Type II Medium





REPORT NUMBER: P416701

CATALOG NUMBER: LXF.LXT-PA1-80-730-U-T2R-CL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
2.5°	10.0	9.1	9.1	10.0	11.8	10.9	8.2	6.4	5.5	5.5	5.5
5°	197.6	191.2	186.7	132.0	29.1	17.3	10.9	8.2	6.4	6.4	5.5
7.5°	235.9	232.2	230.4	224.0	216.7	202.2	36.4	11.8	7.3	7.3	6.4
10°	266.8	264.1	260.4	256.8	246.8	236.8	216.7	30.1	11.8	11.8	10.0
12.5°	543.7	535.5	528.2	375.2	278.7	267.7	248.6	170.3	129.3	124.8	150.3
15°	558.2	558.2	558.2	562.8	554.6	298.7	407.1	510.0	336.9	326.0	336.9
17.5°	594.6	589.2	580.1	582.8	593.7	659.3	607.4	567.3	448.9	398.9	387.9
20°	889.7	885.1	887.9	823.2	632.9	830.5	825.0	639.3	729.4	739.4	720.3
22.5°	949.8	948.9	946.2	942.5	1081.8	881.5	948.9	1005.3	1019.0	999.0	828.7
25°	1347.7	1337.7	1216.6	1025.4	1159.2	1060.9	1265.8	1114.6	1134.7	1099.1	1050.0
27.5°	1539.9	1518.9	1498.0	1440.6	1244.8	1417.9	1346.8	1469.8	1647.4	1552.6	1335.9
30°	2031.6	2043.5	1704.7	1685.6	1539.9	1503.5	1649.2	1727.5	1729.3	1660.1	1499.8
32.5°	2501.5	2469.7	2390.4	2049.9	1834.0	1683.8	1912.3	1839.5	2262.9	2328.5	2033.5
35°	2962.3	2900.4	2668.2	2436.9	2140.0	2075.4	2048.9	2303.0	2463.3	2557.1	2200.1
37.5°	3618.9	3574.3	3352.1	2747.4	2466.9	2233.8	2402.3	2451.4	2706.4	2746.5	2427.8
40°	3860.2	3830.2	3645.3	3170.9	2722.8	2493.3	2560.7	2629.9	2947.7	2892.2	2599.0
42.5°	4033.2	4022.3	3874.8	3392.1	3056.1	2751.0	2743.8	2779.3	3195.4	3093.4	2770.2
45°	4166.2	4150.7	4063.3	3534.2	3213.7	2910.4	2941.4	2963.2	3413.1	3323.8	2966.0
47.5°	4140.7	4147.1	4158.9	3710.9	3307.4	3066.1	3143.5	3121.7	3590.7	3611.6	3185.4
50°	3944.9	3957.6	4045.1	3781.9	3361.2	3193.6	3318.4	3298.3	3838.4	3925.8	3438.6
52.5°	3363.0	3383.9	3708.1	3671.7	3408.5	3293.8	3497.8	3502.3	4127.9	4313.7	3761.9
55°	2462.4	2541.6	2935.9	3306.5	3356.6	3325.7	3618.0	3760.9	4461.2	4729.0	4050.5
57.5°	1980.6	1964.3	2236.5	2776.5	3099.8	3286.5	3744.6	3991.3	4765.4	5062.3	4339.2
60°	1537.2	1542.6	1743.9	2130.9	2650.0	3190.0	3873.9	4199.0	5139.7	5397.4	4692.5
62.5°	1144.7	1155.6	1301.3	1532.6	2136.4	2920.4	3913.9	4458.5	5659.6	5903.7	5119.6
65°	831.4	849.6	928.9	1070.9	1543.5	2516.1	3791.9	4652.5	6236.1	6513.8	5575.9
67.5°	624.7	634.7	681.2	767.7	1102.8	1997.0	3490.5	4640.6	6525.7	6962.8	5771.6
70°	508.1	512.7	530.0	561.0	724.0	1447.9	2961.4	4341.9	6587.6	7058.4	5680.6
72.5°	431.6	429.8	430.7	435.3	499.9	989.9	2287.5	3782.8	6350.8	6767.9	5269.9
75°	368.8	366.1	366.1	361.5	386.1	694.8	1575.4	3053.4	5721.6	5980.2	4439.4
77.5°	314.2	309.6	308.7	299.6	310.5	517.2	1043.6	2273.9	4526.8	4531.4	3147.2
80°	267.7	259.5	255.9	249.5	262.3	394.3	681.2	1483.4	2769.3	2724.6	1746.6
82.5°	197.6	197.6	203.1	204.9	225.8	292.3	480.8	882.4	1511.7	1430.6	1012.6
85°	113.8	123.8	146.6	149.3	173.0	194.0	361.5	522.7	846.0	815.9	519.1
87.5°	41.9	40.1	61.0	64.7	72.9	72.9	196.7	286.9	443.5	461.7	408.9
90°	34.6	34.6	23.7	21.9	28.2	47.4	133.0	201.3	333.3	357.9	386.1
92.5°	36.4	36.4	23.7	20.9	26.4	41.9	112.0	190.3	349.7	383.4	398.9
95°	34.6	35.5	20.9	19.1	24.6	35.5	83.8	163.0	336.0	367.9	389.8
97.5°	30.1	31.0	17.3	16.4	21.9	25.5	45.5	81.0	167.6	173.9	180.3
100°	24.6	24.6	12.7	13.7	17.3	17.3	23.7	42.8	41.0	33.7	29.1
102.5°	20.9	22.8	11.8	10.9	12.7	10.9	10.9	16.4	24.6	20.9	28.2
105°	17.3	19.1	10.0	9.1	10.0	9.1	7.3	11.8	18.2	20.9	30.1
107.5°	11.8	12.7	7.3	8.2	8.2	8.2	5.5	9.1	17.3	20.0	31.0
110°	8.2	8.2	5.5	7.3	7.3	8.2	5.5	9.1	13.7	15.5	24.6



REPORT NUMBER: P416701

CATALOG NUMBER: LXF.LXT-PA1-80-730-U-T2R-CL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	5.5	5.5	4.6	5.5	6.4	6.4	5.5	8.2	11.8	12.7	17.3
115°	4.6	4.6	3.6	4.6	5.5	5.5	4.6	7.3	11.8	13.7	18.2
117.5°	5.5	4.6	3.6	4.6	5.5	4.6	4.6	6.4	11.8	13.7	18.2
120°	5.5	5.5	4.6	4.6	4.6	4.6	4.6	6.4	11.8	13.7	18.2
122.5°	6.4	5.5	4.6	4.6	4.6	4.6	4.6	5.5	10.9	12.7	17.3
125°	6.4	6.4	4.6	4.6	5.5	4.6	4.6	5.5	10.9	11.8	16.4
127.5°	7.3	6.4	5.5	4.6	5.5	4.6	4.6	5.5	10.0	10.9	14.6
130°	7.3	7.3	5.5	4.6	5.5	4.6	4.6	4.6	8.2	9.1	12.7
132.5°	7.3	7.3	6.4	5.5	6.4	5.5	4.6	4.6	6.4	7.3	10.0
135°	8.2	7.3	7.3	6.4	7.3	6.4	4.6	4.6	4.6	5.5	7.3
137.5°	8.2	8.2	8.2	7.3	8.2	6.4	4.6	4.6	4.6	4.6	5.5
140°	10.0	10.0	9.1	8.2	9.1	7.3	5.5	4.6	4.6	4.6	5.5
142.5°	11.8	11.8	10.9	10.0	9.1	7.3	6.4	5.5	5.5	5.5	5.5
145°	13.7	12.7	12.7	10.9	9.1	7.3	6.4	6.4	6.4	6.4	6.4
147.5°	13.7	13.7	12.7	10.0	8.2	5.5	5.5	7.3	7.3	7.3	7.3
150°	12.7	12.7	10.9	9.1	6.4	4.6	4.6	6.4	7.3	7.3	7.3
152.5°	10.0	9.1	8.2	5.5	4.6	2.7	3.6	4.6	5.5	5.5	6.4
155°	6.4	5.5	4.6	3.6	3.6	2.7	2.7	3.6	3.6	3.6	4.6
157.5°	2.7	2.7	1.8	1.8	2.7	2.7	2.7	2.7	2.7	2.7	2.7
160°	0.9	0.9	0.9	0.9	2.7	2.7	2.7	1.8	1.8	1.8	1.8
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: P416701

CATALOG NUMBER: LXF.LXT-PA1-80-730-U-T2R-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
2.5°	5.5	5.5	5.5	5.5	5.5	4.6	5.5	6.4	7.3	7.3	7.3
5°	5.5	5.5	5.5	6.4	6.4	5.5	6.4	8.2	9.1	9.1	9.1
7.5°	6.4	5.5	6.4	7.3	7.3	7.3	31.9	92.0	102.0	103.8	105.6
10°	9.1	9.1	9.1	10.0	10.9	95.6	112.9	118.4	122.0	124.8	125.7
12.5°	138.4	121.1	75.6	20.0	96.5	118.4	124.8	133.9	138.4	143.9	142.1
15°	310.5	275.0	206.7	176.7	173.0	132.0	138.4	230.4	255.9	260.4	259.5
17.5°	351.5	302.3	230.4	245.9	255.9	198.5	233.1	257.7	262.3	266.8	265.9
20°	653.8	520.9	312.3	270.5	267.7	335.1	248.6	256.8	265.9	313.3	318.7
22.5°	725.8	599.2	408.9	396.1	323.3	340.6	324.2	328.7	357.0	357.0	355.2
25°	908.8	724.9	461.7	404.3	410.7	338.8	380.6	328.7	334.2	334.2	335.1
27.5°	1182.0	931.6	612.9	450.8	406.1	409.8	361.5	333.3	381.6	387.0	389.8
30°	1264.9	967.1	606.5	503.6	424.4	398.0	337.8	373.4	359.7	359.7	357.0
32.5°	1767.6	1319.5	754.9	492.7	435.3	369.7	374.3	351.5	345.1	373.4	373.4
35°	1866.8	1358.7	728.5	554.6	418.0	385.2	356.1	361.5	349.7	347.9	345.1
37.5°	1980.6	1386.0	669.3	520.9	441.7	369.7	367.9	354.2	338.8	360.6	364.3
40°	2089.0	1412.4	622.0	480.8	408.0	367.9	360.6	353.3	320.5	320.5	319.6
42.5°	2211.0	1429.7	579.2	448.9	375.2	368.8	348.8	326.0	304.2	310.5	308.7
45°	2337.6	1440.6	535.5	413.4	346.0	381.6	349.7	339.7	322.4	325.1	322.4
47.5°	2493.3	1458.8	497.2	378.8	327.8	349.7	330.6	326.0	336.0	326.9	332.4
50°	2659.1	1468.9	461.7	348.8	309.6	339.7	342.4	328.7	336.0	320.5	319.6
52.5°	2857.6	1478.0	423.4	328.7	306.9	337.8	358.8	344.2	331.5	311.4	309.6
55°	3032.4	1448.8	390.7	316.0	325.1	334.2	372.5	355.2	328.7	306.0	306.9
57.5°	3222.8	1411.5	364.3	310.5	321.5	327.8	391.6	370.6	340.6	341.5	342.4
60°	3419.5	1376.0	347.9	309.6	316.9	330.6	394.3	391.6	356.1	364.3	370.6
62.5°	3654.4	1347.7	345.1	316.0	333.3	345.1	397.0	425.3	394.3	398.0	399.8
65°	3838.4	1265.8	342.4	319.6	339.7	347.9	398.0	448.9	435.3	456.2	454.4
67.5°	3781.9	1114.6	337.8	323.3	344.2	362.4	397.0	466.2	464.4	512.7	508.1
70°	3551.5	947.1	323.3	318.7	346.0	369.7	398.0	470.8	479.0	547.3	542.7
72.5°	3163.6	764.0	296.9	306.0	347.0	378.8	409.8	471.7	480.8	577.3	563.7
75°	2647.2	617.4	257.7	276.8	357.9	384.3	412.5	462.6	462.6	553.7	536.4
77.5°	1905.1	475.4	222.2	251.3	354.2	380.6	404.3	441.7	435.3	479.0	462.6
80°	1110.1	350.6	189.4	246.8	332.4	373.4	381.6	389.8	359.7	369.7	359.7
82.5°	666.6	259.5	163.9	221.3	292.3	336.0	342.4	328.7	288.7	287.8	274.1
85°	399.8	177.6	120.2	171.2	230.4	280.5	287.8	249.5	212.2	234.0	209.4
87.5°	295.0	112.0	82.9	106.5	140.2	131.1	171.2	161.2	137.5	132.0	130.2
90°	265.9	85.6	68.3	86.5	94.7	81.0	87.4	87.4	71.0	70.1	66.5
92.5°	263.2	80.1	72.9	84.7	76.5	64.7	71.0	70.1	56.5	53.7	51.0
95°	245.9	71.9	72.9	76.5	67.4	52.8	57.4	53.7	40.1	37.3	34.6
97.5°	115.7	50.1	69.2	66.5	55.5	41.0	47.4	41.0	28.2	24.6	24.6
100°	27.3	42.8	59.2	60.1	44.6	31.0	32.8	26.4	18.2	15.5	15.5
102.5°	27.3	19.1	36.4	47.4	27.3	12.7	18.2	17.3	13.7	13.7	14.6
105°	27.3	18.2	18.2	31.0	16.4	8.2	8.2	10.9	11.8	15.5	17.3
107.5°	28.2	19.1	14.6	14.6	11.8	8.2	7.3	8.2	11.8	18.2	19.1
110°	23.7	17.3	13.7	12.7	11.8	8.2	6.4	8.2	11.8	20.0	21.9



REPORT NUMBER: P416701

CATALOG NUMBER: LXF.LXT-PA1-80-730-U-T2R-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	17.3	15.5	11.8	11.8	10.0	8.2	6.4	7.3	12.7	21.9	23.7
115°	17.3	14.6	10.9	10.0	8.2	7.3	6.4	7.3	13.7	23.7	25.5
117.5°	18.2	14.6	10.0	9.1	7.3	5.5	5.5	7.3	13.7	24.6	26.4
120°	18.2	14.6	10.0	9.1	7.3	5.5	5.5	8.2	14.6	23.7	25.5
122.5°	17.3	14.6	10.0	9.1	7.3	4.6	5.5	7.3	13.7	22.8	24.6
125°	15.5	13.7	10.0	8.2	7.3	4.6	5.5	7.3	13.7	21.9	22.8
127.5°	14.6	12.7	9.1	8.2	6.4	4.6	5.5	7.3	12.7	20.0	20.9
130°	12.7	11.8	8.2	7.3	6.4	4.6	5.5	7.3	12.7	18.2	19.1
132.5°	10.0	9.1	7.3	6.4	6.4	4.6	5.5	6.4	10.0	15.5	16.4
135°	7.3	7.3	6.4	6.4	6.4	4.6	5.5	5.5	8.2	11.8	12.7
137.5°	5.5	5.5	5.5	6.4	5.5	4.6	4.6	5.5	7.3	9.1	10.0
140°	5.5	5.5	5.5	6.4	5.5	4.6	4.6	5.5	6.4	7.3	8.2
142.5°	5.5	5.5	5.5	6.4	5.5	3.6	4.6	5.5	6.4	7.3	7.3
145°	6.4	6.4	6.4	6.4	5.5	3.6	3.6	5.5	6.4	7.3	7.3
147.5°	7.3	7.3	6.4	6.4	5.5	2.7	2.7	5.5	6.4	7.3	7.3
150°	7.3	7.3	6.4	6.4	4.6	2.7	2.7	4.6	6.4	6.4	6.4
152.5°	5.5	5.5	5.5	5.5	4.6	1.8	1.8	3.6	5.5	5.5	5.5
155°	4.6	4.6	4.6	4.6	3.6	1.8	0.9	2.7	4.6	4.6	4.6
157.5°	2.7	3.6	3.6	4.6	3.6	1.8	0.9	1.8	3.6	3.6	3.6
160°	1.8	2.7	2.7	3.6	3.6	1.8	0.9	1.8	2.7	2.7	2.7
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)