

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: P417140

Luminaire Tested: **LXF.LXT-PA1-90-730-U-T3-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417140
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-22)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-90-730-U-T3-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8546 lumens
Efficiency: N/A
Efficacy: 90.9 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 - G3

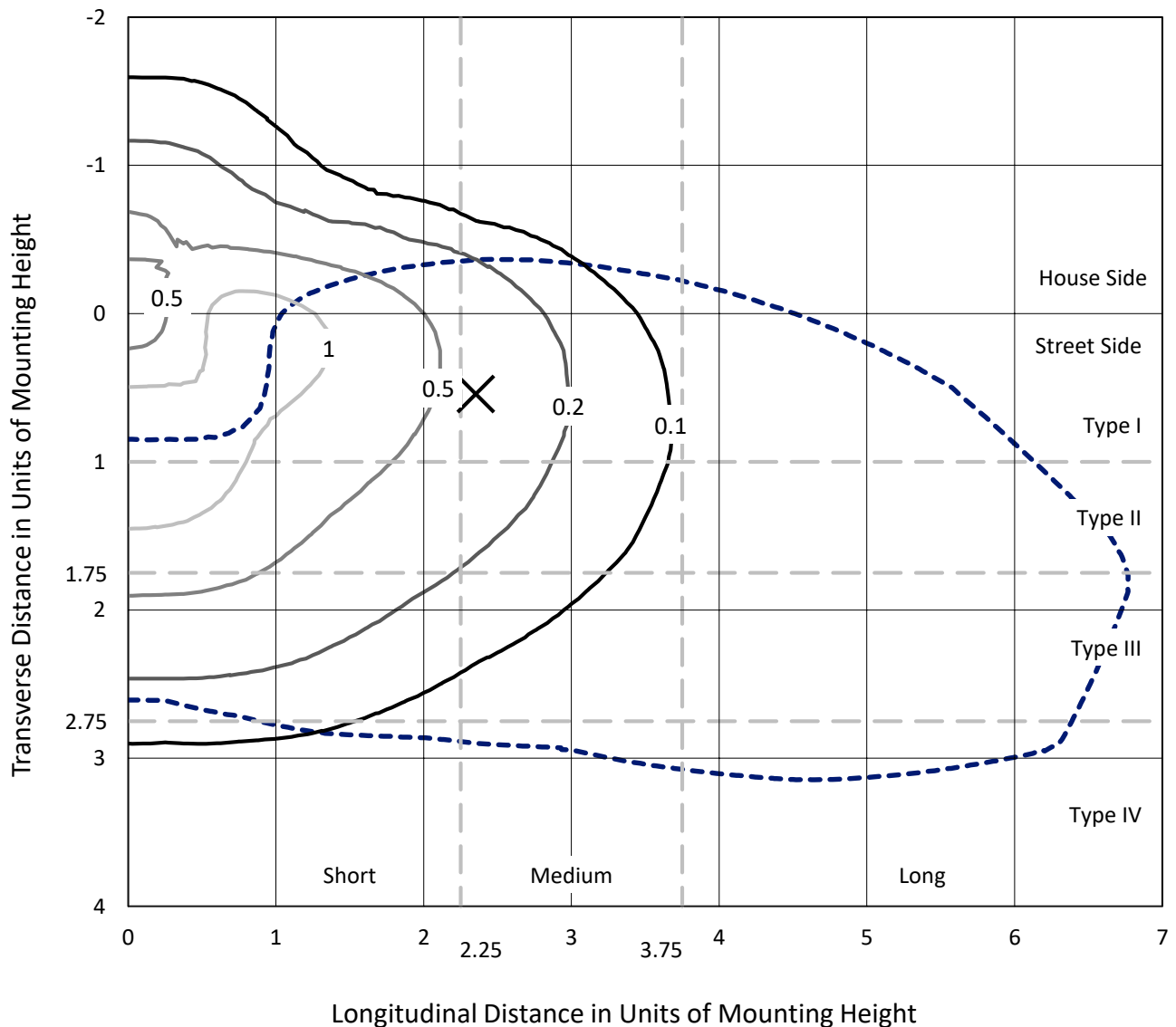
Input Watts (W): 94
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

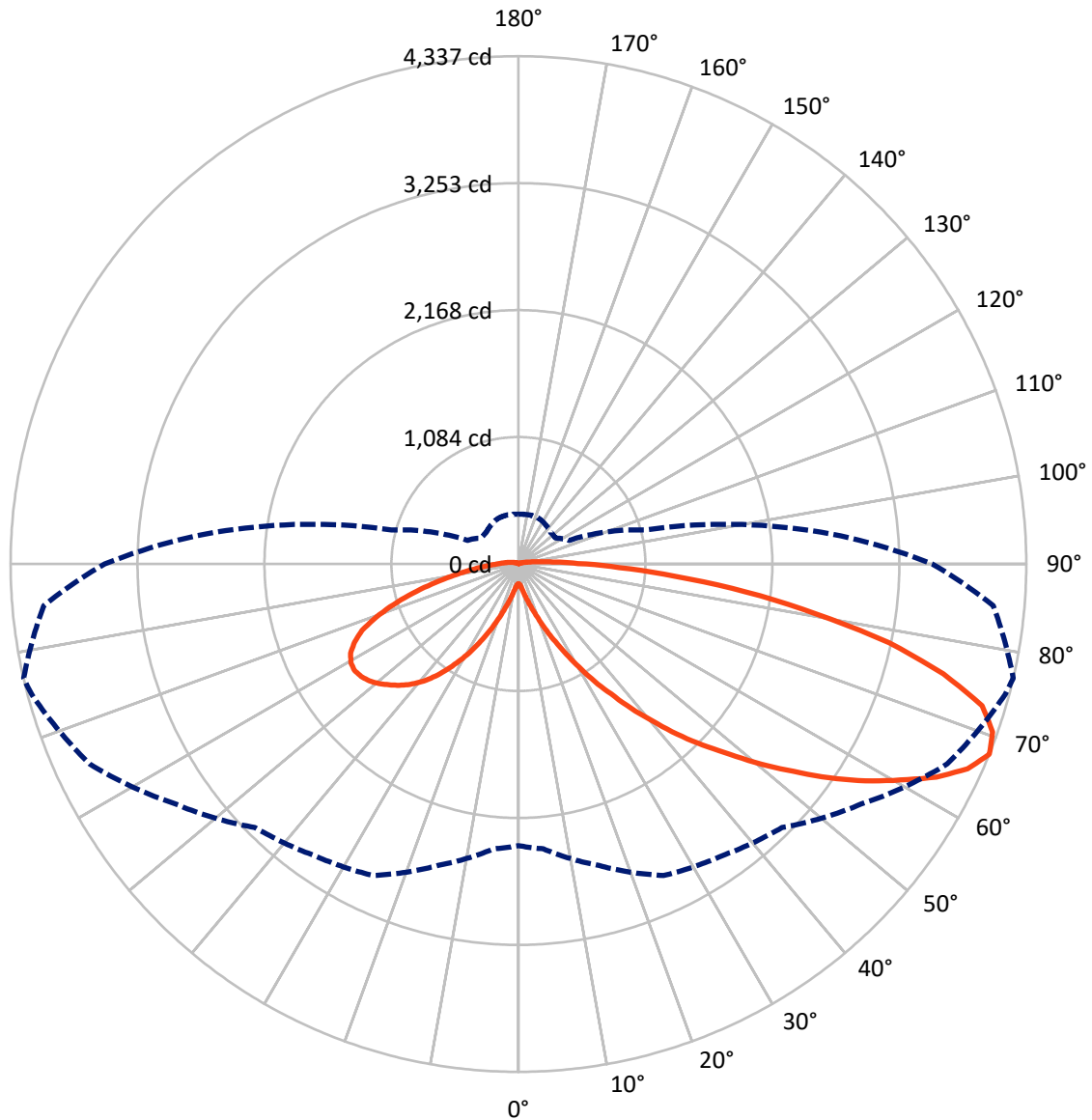
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1949.7	128.4	2078.1
	% Fixture	22.8	1.5	24.3
Street Side	Lumens	6324.9	143.0	6467.9
	% Fixture	74.0	1.7	75.7
Total	Lumens	8274.6	271.4	8546.0
	% Fixture	96.8	3.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.5	0.2
10°-20°	99.1	1.2
20°-30°	296.1	3.5
30°-40°	655.9	7.7
40°-50°	1174.5	13.7
50°-60°	1759.1	20.6
60°-70°	2073.5	24.3
70°-80°	1583.1	18.5
80°-90°	613.7	7.2
90°-100°	156.4	1.8
100°-110°	59.2	0.7
110°-120°	27.8	0.3
120°-130°	14.9	0.2
130°-140°	8.2	0.1
140°-150°	3.7	0.0
150°-160°	1.1	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	8274.6	96.8
0°-180°	8546.0	100.0



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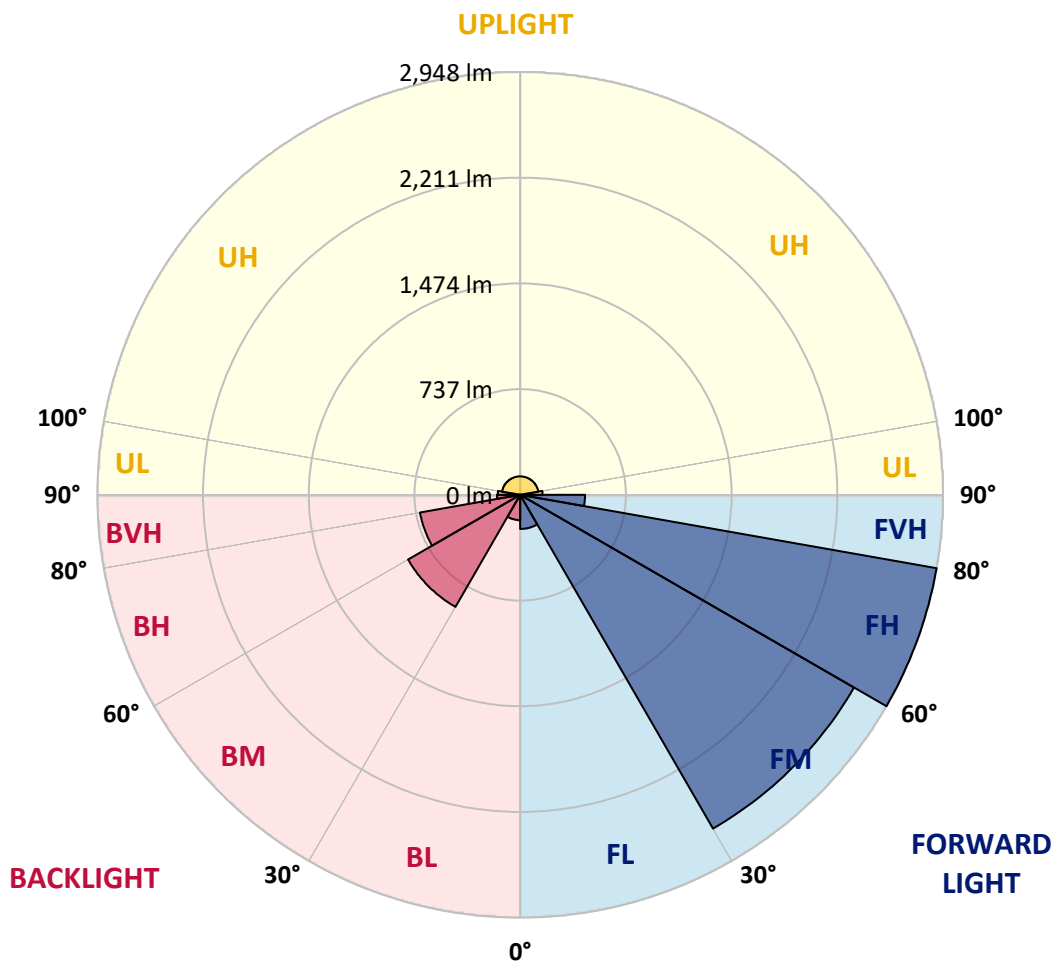
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	238.2	2.8			
FM (30°-60°)	2687.1	31.4			
FH (60°-80°)	2947.6	34.5			G2/5000
FVH (80°-90°)	452.0	5.3			G3/500
BL (0°-30°)	176.5	2.1	B1/500		
BM (30°-60°)	902.5	10.6	B1/1000		
BH (60°-80°)	709.0	8.3	B2/1000		G2/1000
BVH (80°-90°)	161.7	1.9			G2/225
UL (90°-100°)	156.4	1.8		U3/500	
UH (100°-180°)	128.4	1.5		U3/500	

BUG Rating: B2-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	167.9	167.9	167.9	167.9	167.9	167.9	167.9	167.9	167.9	167.9	167.9
2.5°	177.7	176.7	177.7	177.7	178.7	176.7	174.8	173.8	172.8	172.8	171.8
5°	196.4	194.4	195.4	196.4	195.4	193.4	190.5	189.5	187.5	187.5	185.6
7.5°	222.9	222.9	221.9	219.9	221.9	218.9	217.0	216.0	213.1	212.1	211.1
10°	263.1	261.2	260.2	258.2	256.3	255.3	251.3	251.3	246.4	248.4	245.5
12.5°	315.2	311.2	312.2	308.3	302.4	298.5	296.5	295.5	295.5	295.5	294.5
15°	378.0	375.1	374.1	365.2	359.3	354.4	350.5	351.5	356.4	357.4	353.5
17.5°	449.7	454.6	445.7	437.9	429.1	419.2	419.2	419.2	423.2	426.1	424.1
20°	549.8	540.0	530.2	517.4	502.7	494.8	490.9	502.7	509.6	514.5	512.5
22.5°	659.8	650.0	639.2	618.5	597.9	583.2	583.2	597.9	613.6	619.5	621.5
25°	784.5	790.4	763.9	732.4	695.1	682.4	684.3	705.9	729.5	734.4	746.2
27.5°	938.6	938.6	916.0	866.0	816.9	791.3	793.3	828.7	864.0	870.9	879.7
30°	1126.1	1119.3	1088.8	1022.1	957.3	909.2	918.0	961.2	1017.2	1023.0	1033.8
32.5°	1335.3	1334.3	1275.4	1192.9	1099.6	1042.7	1046.6	1109.4	1179.2	1195.8	1207.6
35°	1567.0	1572.9	1496.3	1376.5	1268.5	1191.9	1204.7	1276.4	1357.8	1361.8	1376.5
37.5°	1832.1	1829.1	1737.8	1607.2	1446.2	1364.7	1354.9	1452.1	1537.5	1563.0	1555.2
40°	2125.6	2094.2	2005.8	1843.8	1645.5	1536.5	1538.5	1638.6	1754.5	1762.4	1760.4
42.5°	2415.3	2401.5	2294.5	2075.6	1863.5	1734.9	1739.8	1836.0	1955.8	1986.2	1964.6
45°	2727.5	2693.1	2577.3	2351.4	2093.2	1953.8	1941.0	2049.0	2180.6	2204.2	2183.6
47.5°	2979.8	2958.2	2856.1	2615.5	2339.7	2161.0	2141.3	2273.9	2424.1	2426.1	2395.6
50°	3188.9	3178.1	3097.6	2884.6	2578.2	2392.7	2372.1	2503.6	2660.7	2686.2	2642.1
52.5°	3369.6	3351.9	3311.7	3101.5	2795.2	2591.0	2588.1	2732.4	2928.7	2940.5	2898.3
55°	3427.5	3438.3	3432.4	3284.2	3008.3	2787.4	2811.9	3006.3	3182.1	3223.3	3143.8
57.5°	3418.7	3418.7	3474.6	3406.9	3150.6	2965.1	3018.1	3252.7	3481.5	3494.3	3399.0
60°	3285.1	3288.1	3422.6	3441.3	3252.7	3117.3	3241.9	3503.1	3737.8	3745.6	3656.3
62.5°	3092.7	3085.8	3283.2	3377.4	3265.5	3207.6	3402.0	3722.1	3979.3	4005.8	3871.3
65°	2792.3	2805.0	3018.1	3205.6	3198.7	3241.9	3526.7	3919.4	4175.7	4213.9	4019.5
67.5°	2404.5	2441.8	2665.6	2934.6	3038.7	3182.1	3572.8	4040.2	4303.3	4336.7	4069.6
70°	1992.1	1983.3	2225.8	2563.5	2766.7	3028.9	3521.8	4045.1	4306.2	4295.4	3962.6
72.5°	1511.0	1548.3	1766.3	2109.9	2411.3	2738.3	3355.8	3919.4	4141.3	4139.3	3679.8
75°	1074.1	1096.7	1289.1	1632.8	1992.1	2398.6	3025.0	3645.5	3808.5	3749.5	3270.4
77.5°	708.9	729.5	895.4	1208.6	1541.4	1971.5	2580.2	3167.3	3296.9	3236.1	2748.1
80°	440.8	450.7	576.3	824.7	1120.2	1527.7	2089.3	2590.0	2641.1	2579.2	2115.8
82.5°	262.1	270.0	360.3	529.2	798.2	1112.4	1574.8	1985.2	2001.9	1959.7	1525.7
85°	161.0	171.8	229.7	353.5	532.1	784.5	1097.7	1379.4	1391.2	1342.1	1008.3
87.5°	105.1	110.9	156.1	229.7	358.4	525.3	735.4	918.0	891.5	861.0	637.2
90°	71.7	75.6	107.0	158.1	242.5	347.6	465.4	574.4	532.1	508.6	386.8
92.5°	50.1	54.0	78.5	113.9	167.9	232.7	302.4	343.6	326.0	315.2	243.5
95°	39.3	41.2	59.9	88.4	124.7	164.9	200.3	213.1	202.3	194.4	164.0
97.5°	31.4	33.4	50.1	71.7	97.2	122.7	139.4	143.3	132.5	128.6	113.9
100°	26.5	28.5	42.2	59.9	79.5	97.2	104.1	103.1	94.3	92.3	82.5
102.5°	23.6	24.5	37.3	52.0	67.7	78.5	82.5	77.6	68.7	67.7	61.9
105°	20.6	22.6	32.4	45.2	57.9	66.8	66.8	60.9	51.1	50.1	47.1
107.5°	19.6	19.6	28.5	39.3	50.1	56.0	56.0	49.1	40.3	38.3	36.3
110°	17.7	18.7	25.5	34.4	43.2	48.1	47.1	39.3	30.4	29.5	28.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	16.7	16.7	22.6	30.4	37.3	41.2	39.3	32.4	24.5	23.6	22.6
115°	15.7	15.7	20.6	27.5	33.4	36.3	33.4	26.5	19.6	18.7	19.6
117.5°	14.7	15.7	18.7	24.5	29.5	31.4	28.5	22.6	16.7	15.7	16.7
120°	14.7	14.7	17.7	21.6	25.5	27.5	24.5	18.7	13.7	13.7	14.7
122.5°	14.7	14.7	16.7	19.6	22.6	23.6	20.6	15.7	12.8	12.8	13.7
125°	13.7	13.7	15.7	17.7	20.6	20.6	18.7	13.7	10.8	10.8	12.8
127.5°	13.7	13.7	14.7	16.7	18.7	18.7	15.7	11.8	9.8	10.8	11.8
130°	12.8	12.8	13.7	14.7	16.7	15.7	13.7	10.8	8.8	9.8	10.8
132.5°	12.8	12.8	12.8	13.7	14.7	13.7	11.8	8.8	8.8	8.8	9.8
135°	11.8	11.8	12.8	12.8	12.8	11.8	9.8	7.9	7.9	7.9	8.8
137.5°	11.8	11.8	11.8	11.8	11.8	10.8	8.8	6.9	6.9	6.9	7.9
140°	10.8	10.8	10.8	9.8	9.8	8.8	6.9	5.9	5.9	5.9	6.9
142.5°	9.8	9.8	9.8	8.8	8.8	6.9	5.9	4.9	4.9	5.9	5.9
145°	8.8	8.8	8.8	7.9	6.9	5.9	3.9	3.9	4.9	4.9	5.9
147.5°	6.9	6.9	6.9	6.9	4.9	4.9	2.9	3.9	3.9	4.9	4.9
150°	5.9	5.9	5.9	5.9	3.9	2.9	2.0	2.9	3.9	3.9	3.9
152.5°	4.9	4.9	4.9	4.9	2.9	2.0	2.0	2.9	2.9	2.9	3.9
155°	2.9	2.9	3.9	2.9	2.0	1.0	2.0	2.0	2.9	2.9	2.9
157.5°	2.0	2.0	2.0	2.0	1.0	1.0	1.0	2.0	2.0	2.0	2.9
160°	1.0	1.0	2.0	2.0	2.0	1.0	1.0	1.0	2.0	2.0	2.0
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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	167.9	167.9	167.9	167.9	167.9	167.9	167.9	167.9	167.9	167.9	167.9
2.5°	170.8	171.8	170.8	169.9	169.9	168.9	168.9	168.9	168.9	167.9	167.9
5°	186.5	185.6	184.6	182.6	180.7	178.7	178.7	177.7	176.7	175.7	175.7
7.5°	208.1	208.1	206.2	203.2	200.3	198.3	196.4	195.4	192.4	192.4	191.5
10°	241.5	241.5	235.6	232.7	227.8	222.9	220.9	218.0	216.0	215.0	214.0
12.5°	289.6	286.7	280.8	271.0	261.2	253.3	248.4	246.4	247.4	247.4	248.4
15°	351.5	345.6	336.8	318.1	300.4	288.7	285.7	285.7	286.7	286.7	287.7
17.5°	425.1	416.3	396.7	373.1	347.6	331.9	325.0	325.0	326.9	329.9	332.8
20°	514.5	506.6	476.2	434.9	396.7	376.0	364.3	363.3	367.2	376.0	374.1
22.5°	615.6	606.8	561.6	501.7	448.7	415.3	402.5	406.5	416.3	422.2	422.2
25°	737.3	722.6	654.9	567.5	499.7	452.6	435.9	441.8	456.5	463.4	466.4
27.5°	867.9	848.3	758.0	639.2	540.0	483.1	465.4	473.2	490.9	501.7	504.7
30°	1023.0	988.7	866.0	705.9	576.3	504.7	486.0	500.7	520.4	533.1	536.1
32.5°	1186.0	1133.0	959.2	762.9	602.8	519.4	500.7	518.4	540.0	554.7	555.7
35°	1349.0	1288.1	1062.3	809.0	616.6	526.3	506.6	527.2	550.8	562.6	565.5
37.5°	1525.7	1441.3	1151.7	838.5	622.5	525.3	506.6	527.2	549.8	559.6	561.6
40°	1695.6	1591.5	1231.2	856.1	620.5	517.4	499.7	521.3	541.0	547.9	546.9
42.5°	1886.1	1736.8	1295.0	857.1	606.8	505.6	490.9	509.6	523.3	522.3	523.3
45°	2067.7	1891.0	1342.1	850.2	588.1	490.9	479.1	495.8	500.7	495.8	494.8
47.5°	2267.0	2044.1	1379.4	832.6	565.5	477.2	466.4	479.1	480.1	469.3	467.3
50°	2478.1	2197.3	1413.8	800.2	539.0	461.5	454.6	465.4	463.4	445.7	442.8
52.5°	2684.3	2352.4	1435.4	760.9	512.5	447.7	444.8	455.6	449.7	429.1	425.1
55°	2904.2	2495.8	1439.3	721.6	487.0	435.9	435.9	447.7	440.8	419.2	416.3
57.5°	3119.2	2646.0	1424.6	670.6	462.4	423.2	429.1	442.8	437.9	416.3	414.3
60°	3320.5	2758.9	1384.4	622.5	439.9	414.3	424.1	439.9	435.9	418.3	416.3
62.5°	3476.6	2833.5	1320.5	575.3	420.2	405.5	419.2	434.9	435.9	421.2	422.2
65°	3549.3	2833.5	1228.2	528.2	402.5	396.7	414.3	432.0	434.0	425.1	425.1
67.5°	3533.5	2760.9	1124.2	479.1	385.9	385.9	407.5	426.1	430.0	426.1	426.1
70°	3367.6	2564.5	981.8	439.9	369.2	373.1	396.7	416.3	422.2	423.2	422.2
72.5°	3097.6	2269.0	834.5	398.6	351.5	360.3	382.9	402.5	410.4	412.4	411.4
75°	2680.3	1926.3	690.2	364.3	332.8	343.6	367.2	383.9	392.7	396.7	394.7
77.5°	2154.1	1528.7	565.5	329.9	311.2	323.0	345.6	359.3	370.1	375.1	371.1
80°	1641.6	1137.9	449.7	295.5	284.7	297.5	317.1	331.9	341.7	343.6	340.7
82.5°	1165.4	807.1	360.3	263.1	256.3	267.1	284.7	294.5	306.3	305.3	299.5
85°	763.9	547.9	282.8	228.8	225.8	232.7	246.4	252.3	264.1	264.1	257.2
87.5°	496.8	363.3	222.9	192.4	195.4	201.3	208.1	213.1	218.0	218.9	213.1
90°	317.1	248.4	177.7	164.0	166.9	171.8	171.8	170.8	178.7	180.7	175.7
92.5°	208.1	176.7	147.3	139.4	141.4	142.4	142.4	138.4	145.3	146.3	142.4
95°	146.3	132.5	121.7	119.8	119.8	119.8	117.8	112.9	118.8	118.8	116.8
97.5°	110.0	103.1	102.1	102.1	102.1	101.1	98.2	96.2	98.2	98.2	97.2
100°	82.5	81.5	84.4	86.4	87.4	86.4	84.4	81.5	81.5	77.6	78.5
102.5°	62.8	64.8	70.7	73.6	73.6	73.6	72.7	68.7	66.8	62.8	61.9
105°	49.1	51.1	57.9	61.9	62.8	63.8	61.9	57.9	54.0	50.1	49.1
107.5°	38.3	41.2	47.1	52.0	54.0	54.0	53.0	49.1	44.2	39.3	39.3
110°	31.4	33.4	39.3	44.2	46.1	46.1	45.2	40.3	35.3	31.4	31.4



REPORT NUMBER: P417140

CATALOG NUMBER: LXF.LXT-PA1-90-730-U-T3-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	25.5	27.5	33.4	37.3	39.3	40.3	38.3	34.4	29.5	25.5	25.5
115°	21.6	23.6	28.5	31.4	33.4	33.4	32.4	28.5	24.5	21.6	21.6
117.5°	18.7	20.6	24.5	27.5	28.5	29.5	27.5	24.5	20.6	18.7	18.7
120°	16.7	17.7	21.6	23.6	24.5	24.5	23.6	20.6	17.7	16.7	16.7
122.5°	14.7	16.7	18.7	20.6	21.6	21.6	20.6	17.7	15.7	14.7	15.7
125°	13.7	14.7	16.7	18.7	18.7	18.7	17.7	15.7	13.7	13.7	13.7
127.5°	12.8	13.7	14.7	15.7	16.7	16.7	15.7	13.7	12.8	12.8	12.8
130°	11.8	12.8	13.7	13.7	14.7	14.7	13.7	11.8	11.8	11.8	11.8
132.5°	10.8	11.8	11.8	12.8	12.8	12.8	11.8	10.8	10.8	10.8	10.8
135°	9.8	9.8	10.8	10.8	10.8	10.8	9.8	9.8	9.8	9.8	9.8
137.5°	8.8	8.8	9.8	8.8	9.8	8.8	8.8	7.9	8.8	8.8	8.8
140°	7.9	7.9	7.9	7.9	7.9	7.9	6.9	6.9	7.9	7.9	7.9
142.5°	6.9	6.9	6.9	5.9	5.9	5.9	5.9	5.9	6.9	6.9	6.9
145°	5.9	5.9	5.9	4.9	4.9	3.9	4.9	4.9	5.9	5.9	5.9
147.5°	4.9	4.9	4.9	4.9	3.9	2.9	2.9	3.9	4.9	4.9	4.9
150°	3.9	4.9	4.9	3.9	2.9	2.0	2.0	2.9	3.9	3.9	3.9
152.5°	3.9	3.9	3.9	2.9	2.0	1.0	1.0	2.0	2.9	2.9	2.9
155°	2.9	2.9	2.9	2.9	2.0	1.0	0.0	2.0	2.0	2.0	2.0
157.5°	2.9	2.9	2.9	2.0	1.0	0.0	0.0	1.0	2.0	1.0	1.0
160°	2.0	2.0	2.0	2.0	1.0	1.0	0.0	1.0	1.0	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)