

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: P417092

Luminaire Tested: **LXF.LXT-PA1-90-727-U-T4W-CL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P417092  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-90-727-U-T4W-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8113 lumens  
Efficiency: N/A  
Efficacy: 86.3 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 (Ain): 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

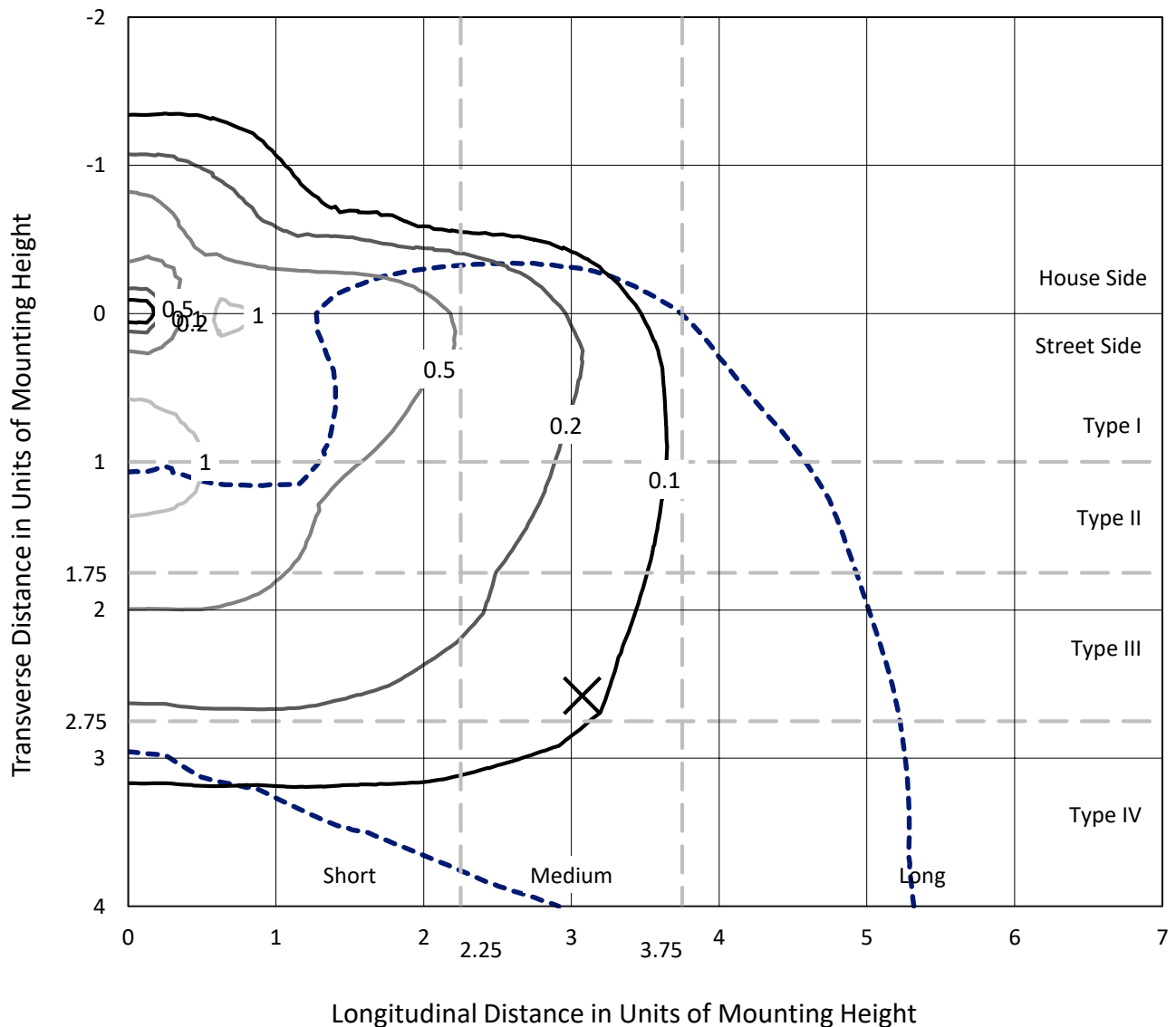


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

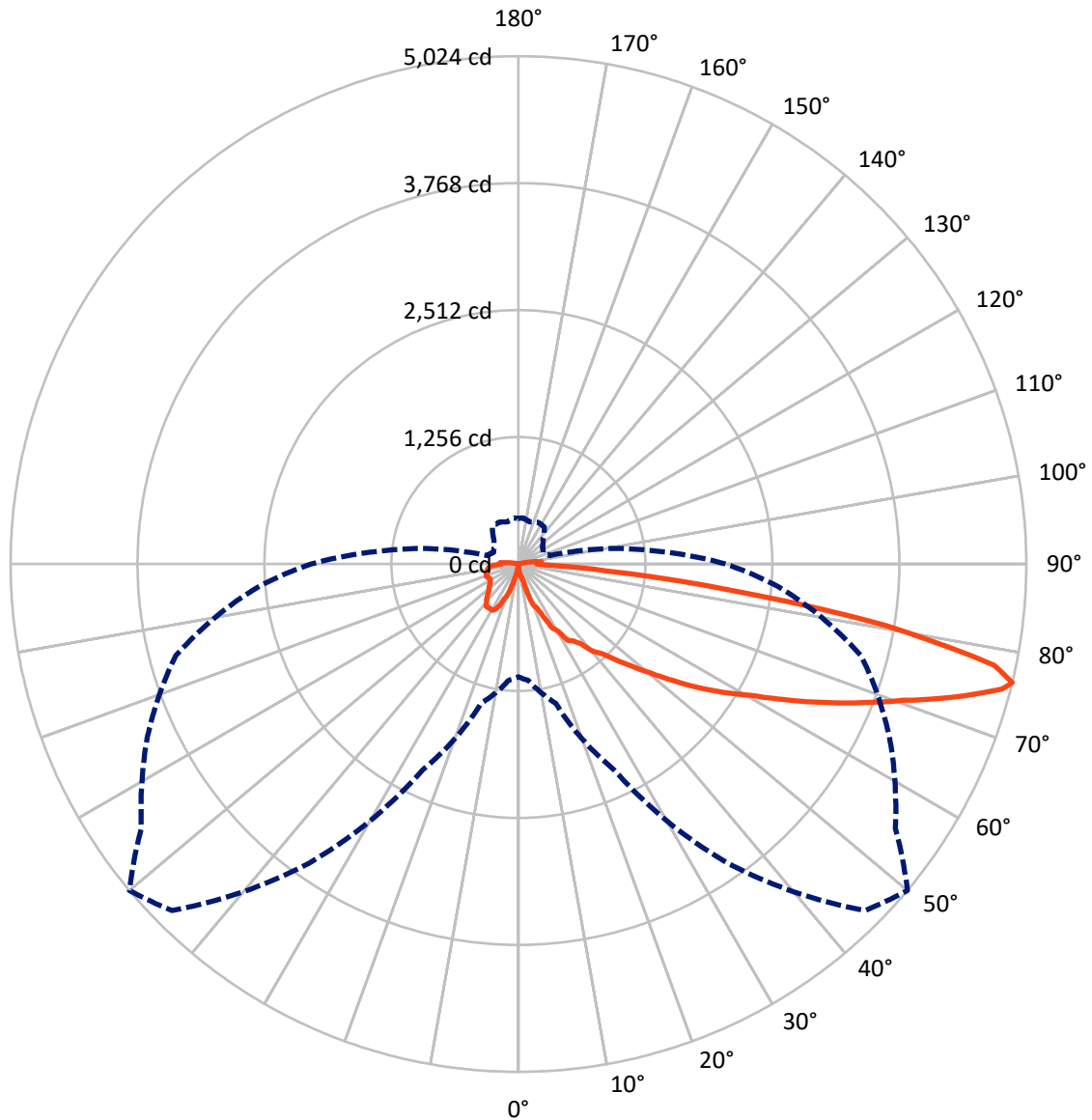


Based on 25 foot mounting height. Maximum calculated value = 1.4 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral      - - - Horizontal Cone Through 76-Deg Vertical



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1770.7	99.8	1870.4
	% Fixture	21.8	1.2	23.1
<b>Street Side</b>	Lumens	6162.5	80.1	6242.5
	% Fixture	76.0	1.0	76.9
<b>Total</b>	Lumens	7933.1	179.8	8113.0
	% Fixture	97.8	2.2	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4.5	0.1
10°-20°	67.7	0.8
20°-30°	264.7	3.3
30°-40°	569.7	7.0
40°-50°	928.1	11.4
50°-60°	1494.2	18.4
60°-70°	2176.4	26.8
70°-80°	1941.6	23.9
80°-90°	486.4	6.0
90°-100°	142.4	1.8
100°-110°	21.1	0.3
110°-120°	6.1	0.1
120°-130°	4.1	0.1
130°-140°	2.8	0.0
140°-150°	2.3	0.0
150°-160°	1.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7933.1	97.8
0°-180°	8113.0	100.0



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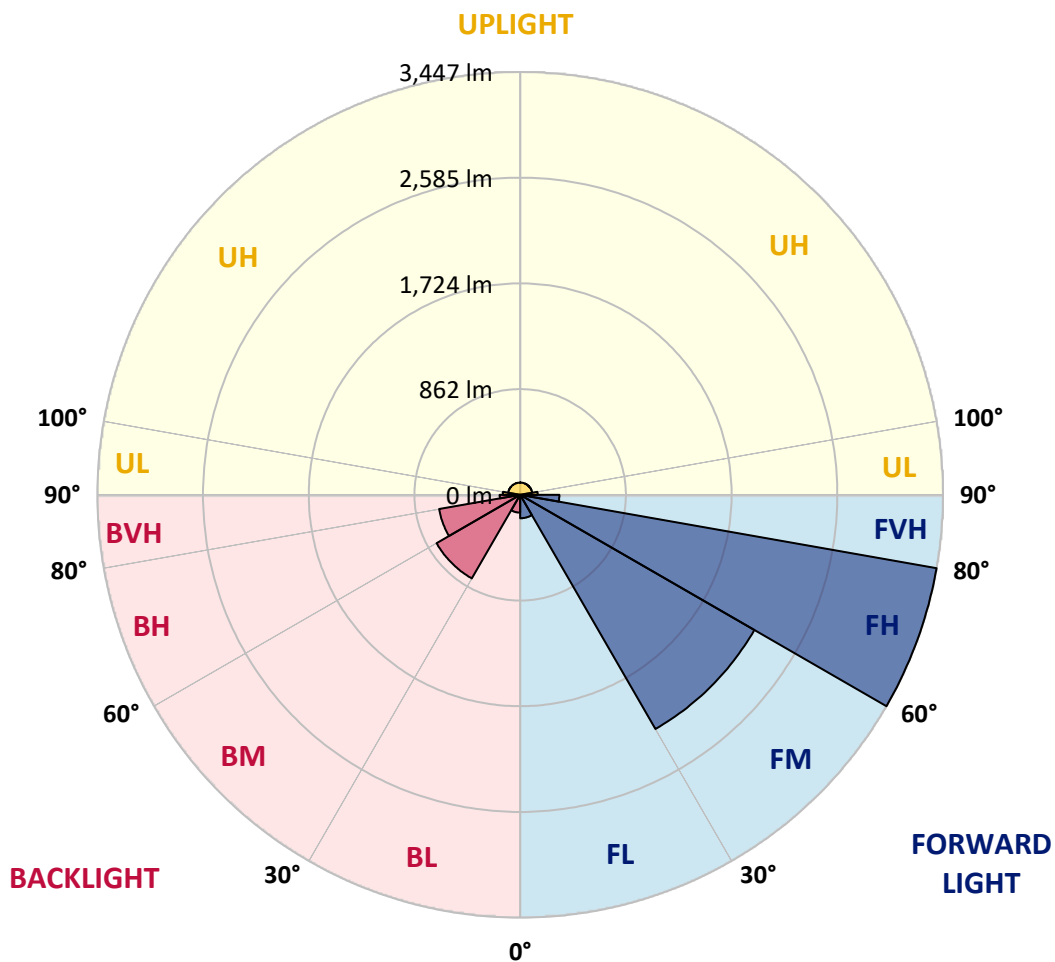
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	191.3	2.4			
FM (30°-60°)	2204.6	27.2			
FH (60°-80°)	3447.2	42.5			G2/5000
FVH (80°-90°)	319.3	3.9			G3/500
BL (0°-30°)	145.6	1.8	B1/500		
BM (30°-60°)	787.3	9.7	B1/1000		
BH (60°-80°)	670.8	8.3	B2/1000		G2/1000
BVH (80°-90°)	167.0	2.1			G2/225
UL (90°-100°)	142.4	1.8		U3/500	
UH (100°-180°)	99.8	1.2		U3/500	

**BUG Rating: B2-U3-G3**

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
2.5°	11.7	9.0	8.1	7.2	7.2	6.3	6.3	5.4	5.4	5.4	5.4
5°	113.6	110.0	101.9	94.7	32.5	27.0	22.5	17.1	6.3	6.3	5.4
7.5°	136.1	133.4	128.0	124.4	119.0	110.9	101.9	47.8	18.9	7.2	6.3
10°	178.5	165.0	154.2	145.2	138.9	125.3	121.7	114.5	31.6	13.5	9.9
12.5°	319.2	312.0	301.1	204.7	168.6	144.3	138.9	132.5	102.8	48.7	87.5
15°	351.6	344.4	333.6	320.1	300.2	177.6	166.8	207.4	265.1	199.3	208.3
17.5°	413.0	409.3	380.5	348.0	328.2	348.9	349.8	317.4	301.1	263.3	239.8
20°	572.5	568.9	552.7	469.8	371.5	440.9	439.1	422.9	338.1	388.6	418.4
22.5°	596.0	591.5	577.1	554.5	587.9	483.3	471.6	471.6	498.6	528.4	492.3
25°	784.4	779.9	669.9	583.4	630.2	575.2	577.1	638.4	551.8	579.8	553.6
27.5°	819.6	813.3	804.3	746.6	663.6	728.5	718.6	685.3	717.7	800.7	772.7
30°	956.6	887.2	857.5	824.1	783.5	771.8	767.3	827.7	851.2	845.7	853.9
32.5°	1109.9	1107.2	1078.4	879.1	886.3	829.5	902.5	929.6	893.5	1027.0	1112.6
35°	1333.5	1241.6	1185.7	1053.1	922.4	959.4	934.1	962.1	1085.6	1098.2	1180.3
37.5°	1676.2	1670.7	1542.7	1162.2	1063.9	981.9	999.9	1077.5	1158.6	1176.6	1287.5
40°	1959.3	1933.1	1852.0	1448.9	1156.8	1062.1	1134.3	1117.1	1202.8	1265.9	1372.3
42.5°	2169.4	2193.7	2147.7	1677.1	1343.5	1189.3	1210.9	1188.4	1267.7	1385.8	1494.0
45°	2370.4	2360.5	2392.1	1908.8	1522.9	1352.5	1350.7	1295.7	1386.7	1519.3	1661.7
47.5°	2534.5	2520.1	2552.6	2160.3	1729.4	1500.3	1513.0	1441.7	1529.2	1686.1	1910.6
50°	2717.6	2689.6	2711.2	2371.3	1998.9	1714.0	1696.9	1641.9	1691.5	1905.2	2214.4
52.5°	2937.6	2917.7	2879.0	2581.4	2276.7	1934.0	1912.4	1859.2	1913.3	2177.5	2550.8
55°	3135.0	3112.5	3080.9	2870.8	2507.5	2157.6	2158.5	2105.3	2210.8	2475.0	2941.2
57.5°	3340.6	3329.8	3346.0	3194.5	2837.5	2391.2	2396.6	2364.1	2553.5	2780.7	3355.0
60°	3511.0	3494.8	3584.9	3525.4	3130.5	2658.0	2636.4	2671.6	2903.3	3099.9	3774.3
62.5°	3575.9	3586.7	3757.2	3830.2	3414.5	2945.7	2953.8	3001.6	3227.0	3482.2	4178.2
65°	3271.2	3309.0	3785.1	3883.4	3731.0	3264.9	3303.6	3295.5	3558.8	3763.5	4519.0
67.5°	2940.3	2983.5	3501.1	3896.9	3976.3	3639.9	3659.8	3579.5	3844.6	3939.3	4773.3
70°	2705.8	2739.2	3164.8	3820.3	4126.8	4031.3	4040.3	3891.5	4052.0	4145.8	4764.3
72.5°	2300.1	2335.3	2728.4	3530.8	4220.6	4505.5	4505.5	4177.3	4219.7	4141.3	4207.1
75°	1554.4	1568.0	1889.8	2741.0	3978.1	4892.3	4939.2	4489.3	4162.0	3761.7	3137.7
76°	1116.2	1157.7	1427.3	2250.5	3612.9	4848.1	5024.0	4552.4	4049.3	3510.1	2582.3
77.5°	591.5	629.3	842.1	1440.8	2930.3	4508.2	4812.1	4358.6	3692.2	3013.3	1909.7
80°	231.7	229.0	289.4	513.0	1484.1	3429.0	3682.3	3212.6	2497.6	1745.6	907.1
82.5°	127.1	139.8	183.9	271.4	643.8	1891.7	2080.1	1695.1	1274.9	805.2	530.2
85°	81.1	83.0	108.2	167.7	397.6	797.1	875.5	725.8	596.9	494.1	376.9
87.5°	48.7	50.5	56.8	77.5	196.6	234.4	256.1	301.1	342.6	339.9	325.5
90°	33.4	33.4	28.0	30.7	92.0	187.5	180.3	192.1	174.9	221.8	313.8
92.5°	32.5	32.5	27.0	28.0	78.4	208.3	209.2	208.3	184.8	226.3	330.0
95°	28.9	29.8	23.4	24.3	57.7	194.8	229.0	221.8	186.6	228.1	329.1
97.5°	24.3	25.2	18.0	20.7	38.8	131.6	170.4	174.0	116.3	115.4	148.8
100°	18.0	18.9	12.6	16.2	23.4	60.4	91.1	85.7	57.7	31.6	20.7
102.5°	17.1	18.0	10.8	12.6	14.4	20.7	33.4	25.2	21.6	18.0	18.0
105°	18.9	18.9	9.9	9.0	9.0	9.9	8.1	11.7	12.6	13.5	18.9
107.5°	16.2	17.1	7.2	7.2	6.3	6.3	5.4	5.4	7.2	11.7	20.7



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
110°	12.6	12.6	6.3	6.3	4.5	5.4	5.4	4.5	6.3	9.0	16.2
112.5°	7.2	8.1	3.6	5.4	3.6	4.5	4.5	3.6	5.4	6.3	9.0
115°	7.2	7.2	3.6	2.7	2.7	2.7	3.6	3.6	4.5	6.3	9.9
117.5°	7.2	7.2	3.6	2.7	1.8	2.7	2.7	2.7	4.5	6.3	9.9
120°	7.2	7.2	3.6	1.8	1.8	1.8	1.8	2.7	4.5	6.3	9.9
122.5°	8.1	7.2	3.6	1.8	1.8	1.8	1.8	2.7	4.5	6.3	9.0
125°	8.1	7.2	3.6	1.8	1.8	1.8	1.8	2.7	3.6	5.4	8.1
127.5°	8.1	7.2	3.6	1.8	1.8	1.8	1.8	2.7	3.6	5.4	7.2
130°	7.2	7.2	3.6	1.8	1.8	1.8	1.8	2.7	3.6	5.4	7.2
132.5°	7.2	6.3	3.6	1.8	1.8	1.8	1.8	2.7	3.6	4.5	6.3
135°	6.3	5.4	3.6	1.8	2.7	1.8	2.7	2.7	3.6	4.5	5.4
137.5°	5.4	5.4	3.6	2.7	2.7	2.7	2.7	2.7	3.6	4.5	4.5
140°	6.3	5.4	3.6	3.6	2.7	2.7	2.7	2.7	3.6	4.5	4.5
142.5°	7.2	6.3	4.5	3.6	3.6	2.7	2.7	3.6	3.6	4.5	4.5
145°	7.2	7.2	5.4	4.5	2.7	2.7	2.7	3.6	4.5	4.5	5.4
147.5°	8.1	7.2	5.4	4.5	2.7	1.8	2.7	2.7	4.5	5.4	5.4
150°	7.2	7.2	4.5	3.6	1.8	0.9	1.8	2.7	4.5	5.4	5.4
152.5°	5.4	5.4	3.6	1.8	0.9	0.9	1.8	2.7	3.6	4.5	5.4
155°	3.6	3.6	1.8	0.9	0.0	0.9	0.9	1.8	2.7	3.6	4.5
157.5°	1.8	1.8	0.9	0.0	0.0	0.9	0.9	1.8	2.7	3.6	3.6
160°	0.9	0.0	0.0	0.0	0.0	0.9	0.9	1.8	1.8	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





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
2.5°	5.4	4.5	4.5	3.6	3.6	2.7	2.7	2.7	2.7	3.6	4.5
5°	5.4	5.4	4.5	4.5	4.5	3.6	3.6	5.4	6.3	7.2	7.2
7.5°	5.4	5.4	5.4	4.5	5.4	7.2	28.9	83.0	91.1	96.5	98.3
10°	9.9	9.0	8.1	7.2	13.5	92.0	113.6	123.5	128.0	132.5	132.5
12.5°	94.7	94.7	38.8	21.6	92.9	123.5	129.8	137.1	143.4	149.7	150.6
15°	205.6	202.9	195.7	179.4	155.1	139.8	146.1	216.4	254.3	271.4	268.7
17.5°	235.3	231.7	227.2	258.8	269.6	215.5	251.6	279.5	287.6	296.6	295.7
20°	436.4	431.9	336.3	301.1	294.8	361.6	287.6	293.9	308.4	393.1	395.8
22.5°	488.7	483.3	449.9	458.9	344.4	392.2	379.6	397.6	443.6	457.1	458.9
25°	572.5	550.9	510.3	479.7	487.8	409.3	472.5	442.7	459.8	476.1	478.8
27.5°	792.5	779.9	707.8	537.4	497.7	512.1	492.3	481.5	575.2	609.5	612.2
30°	853.9	841.2	751.1	622.1	524.8	524.8	495.9	600.5	605.0	623.0	627.5
32.5°	1160.4	1135.2	954.8	632.1	544.6	501.3	561.7	591.5	663.6	717.7	726.7
35°	1231.6	1210.0	985.5	722.2	526.6	522.1	530.2	623.0	676.2	708.7	715.9
37.5°	1305.6	1281.2	981.9	688.0	558.1	497.7	515.7	582.5	659.1	743.0	753.8
40°	1406.6	1376.8	986.4	643.8	523.0	470.7	484.2	559.0	611.3	663.6	672.6
42.5°	1541.8	1482.3	994.5	604.1	482.4	458.9	461.6	504.9	529.3	550.9	550.9
45°	1723.9	1627.5	997.2	562.6	441.8	431.9	435.5	455.3	464.3	450.8	444.5
47.5°	1968.3	1806.9	1030.6	525.7	407.5	402.1	404.8	411.2	406.6	371.5	365.2
50°	2253.2	2017.9	1048.6	493.2	382.3	381.4	376.9	376.9	360.7	321.0	318.3
52.5°	2567.9	2269.4	1063.9	453.5	364.3	368.8	368.8	349.8	325.5	293.9	291.2
55°	2967.3	2559.8	1086.5	419.3	348.9	348.0	358.0	334.5	309.3	282.2	282.2
57.5°	3364.0	2867.2	1113.5	389.5	331.8	333.6	348.0	329.1	315.6	304.8	303.9
60°	3760.8	3184.6	1070.3	362.5	325.5	321.9	345.3	349.8	333.6	339.9	346.2
62.5°	4133.1	3387.5	896.2	339.0	313.8	319.2	368.8	396.7	391.3	385.0	386.8
65°	4309.0	3429.0	726.7	318.3	305.7	338.1	406.6	449.0	431.0	410.2	408.4
67.5°	4338.7	3321.7	534.7	305.7	301.1	371.5	436.4	460.7	433.7	425.6	418.4
70°	4129.5	3049.4	427.4	292.1	304.8	376.9	455.3	458.0	438.2	447.2	438.2
72.5°	3511.9	2539.9	374.2	279.5	305.7	363.4	455.3	458.9	436.4	462.5	458.0
75°	2514.7	1780.7	332.7	268.7	295.7	348.0	449.0	458.0	431.0	459.8	452.6
76°	2048.5	1412.9	321.0	271.4	291.2	342.6	447.2	455.3	431.9	458.0	450.8
77.5°	1353.4	923.3	301.1	269.6	283.1	339.9	442.7	451.7	431.0	452.6	445.4
80°	724.0	523.0	271.4	251.6	273.2	341.7	439.1	442.7	413.9	438.2	429.2
82.5°	477.0	389.5	234.4	228.1	263.3	344.4	437.3	431.9	399.4	438.2	413.9
85°	374.2	321.9	175.8	183.0	239.8	332.7	431.9	416.6	386.8	397.6	383.2
87.5°	317.4	265.1	105.5	130.7	210.1	283.1	383.2	344.4	327.3	338.1	331.8
90°	298.4	234.4	59.5	92.0	157.8	188.4	241.6	224.5	217.3	229.9	227.2
92.5°	301.1	229.0	58.6	87.5	168.6	202.9	249.8	229.9	208.3	208.3	205.6
95°	287.6	213.7	57.7	69.4	152.4	197.5	234.4	206.5	167.7	159.6	156.9
97.5°	125.3	103.7	54.1	53.2	87.5	136.1	170.4	147.9	110.9	86.6	86.6
100°	20.7	33.4	46.9	51.4	51.4	72.1	96.5	91.1	53.2	28.0	28.9
102.5°	21.6	18.9	32.5	42.4	33.4	29.8	44.2	55.0	35.2	10.8	11.7
105°	22.5	19.8	16.2	29.8	18.9	9.9	13.5	25.2	16.2	10.8	10.8
107.5°	24.3	20.7	9.9	10.8	8.1	8.1	7.2	6.3	8.1	10.8	11.7



REPORT NUMBER: P417092

CATALOG NUMBER: LXF.LXT-PA1-90-727-U-T4W-CL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	18.9	17.1	9.0	8.1	7.2	8.1	5.4	5.4	6.3	10.8	11.7
112.5°	10.8	10.8	8.1	6.3	6.3	7.2	4.5	4.5	6.3	11.7	11.7
115°	10.8	10.8	7.2	5.4	4.5	5.4	4.5	3.6	6.3	11.7	12.6
117.5°	10.8	10.8	7.2	5.4	4.5	3.6	3.6	3.6	6.3	11.7	12.6
120°	10.8	9.9	6.3	4.5	4.5	2.7	2.7	2.7	5.4	11.7	12.6
122.5°	9.9	9.9	6.3	4.5	3.6	2.7	2.7	2.7	5.4	10.8	11.7
125°	9.0	9.0	6.3	4.5	3.6	2.7	1.8	2.7	5.4	9.9	10.8
127.5°	8.1	8.1	5.4	4.5	3.6	2.7	1.8	2.7	5.4	9.9	10.8
130°	7.2	7.2	5.4	3.6	3.6	1.8	1.8	1.8	5.4	9.0	9.9
132.5°	6.3	6.3	4.5	3.6	2.7	1.8	0.9	1.8	4.5	8.1	8.1
135°	5.4	5.4	4.5	3.6	2.7	1.8	0.9	1.8	3.6	6.3	7.2
137.5°	4.5	4.5	3.6	3.6	2.7	1.8	0.9	1.8	2.7	5.4	5.4
140°	4.5	4.5	3.6	3.6	2.7	1.8	0.9	1.8	2.7	4.5	5.4
142.5°	4.5	4.5	3.6	3.6	2.7	1.8	0.9	1.8	2.7	4.5	5.4
145°	5.4	4.5	4.5	3.6	2.7	1.8	0.9	1.8	3.6	5.4	5.4
147.5°	5.4	5.4	4.5	3.6	2.7	1.8	0.9	1.8	3.6	5.4	5.4
150°	5.4	5.4	4.5	3.6	2.7	0.9	0.0	0.9	2.7	4.5	5.4
152.5°	5.4	4.5	3.6	2.7	1.8	0.9	0.0	0.0	1.8	3.6	3.6
155°	4.5	3.6	3.6	2.7	1.8	0.9	0.0	0.0	0.9	1.8	1.8
157.5°	3.6	3.6	2.7	1.8	0.9	0.9	0.0	0.0	0.0	0.9	0.9
160°	2.7	2.7	1.8	1.8	0.9	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)