

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: P417235

Luminaire Tested: **LXF.LXT-PA1-90-750-U-T2U-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417235
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-PA1-90-750-U-T2U-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 1180mA 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: 9315 lumens
Efficiency: N/A
Efficacy: 99.1 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: B3 - 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

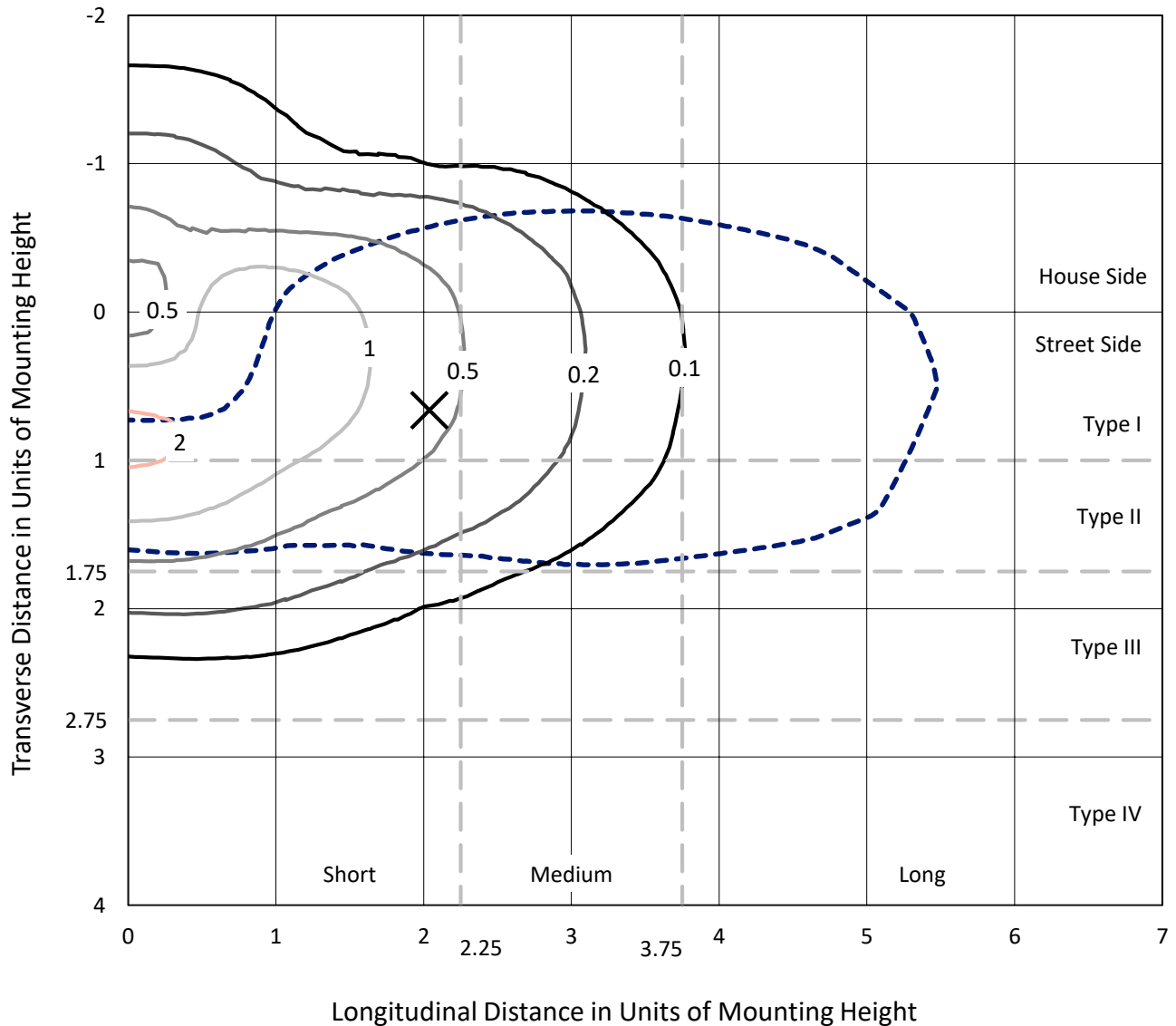


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

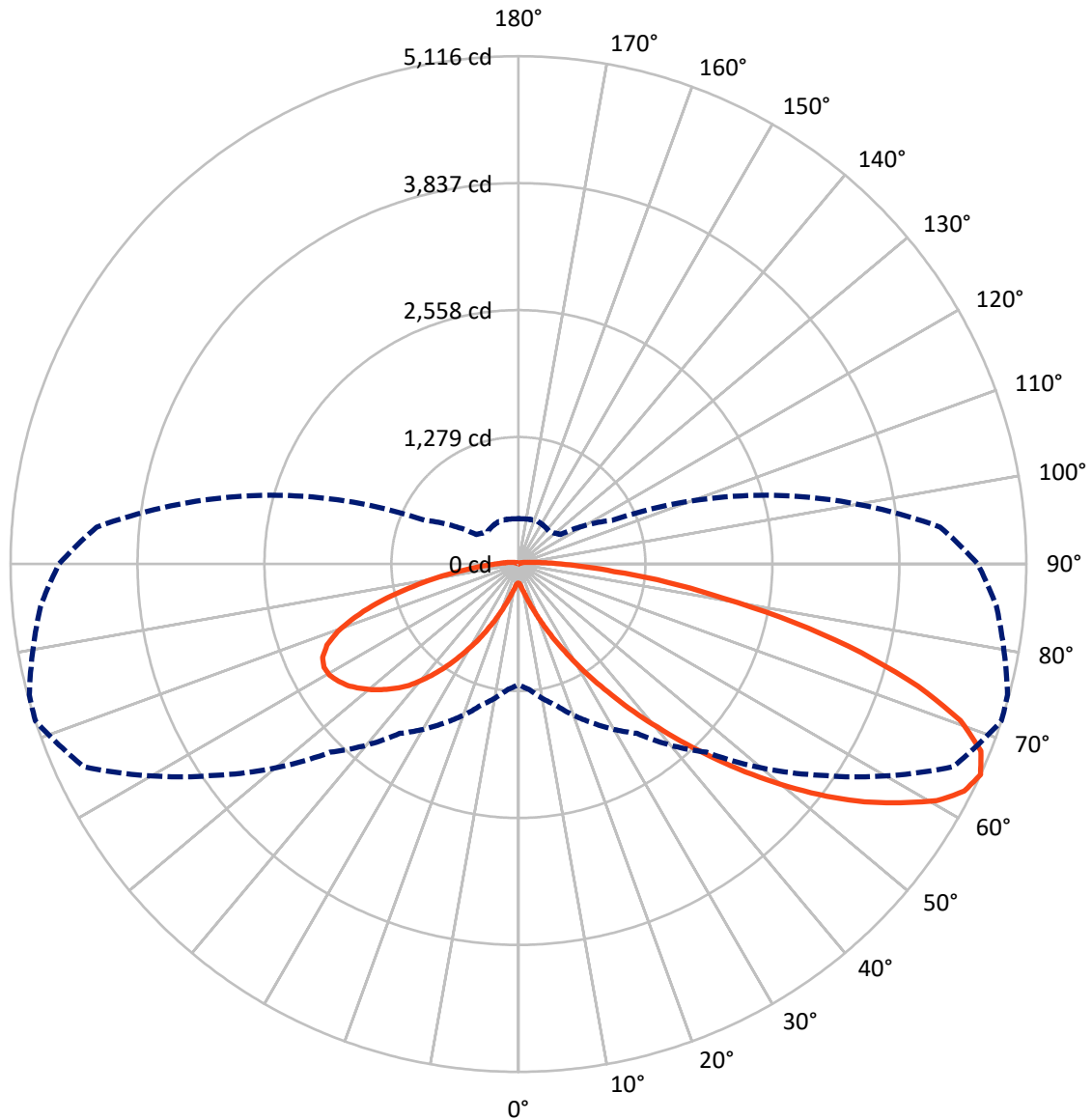


Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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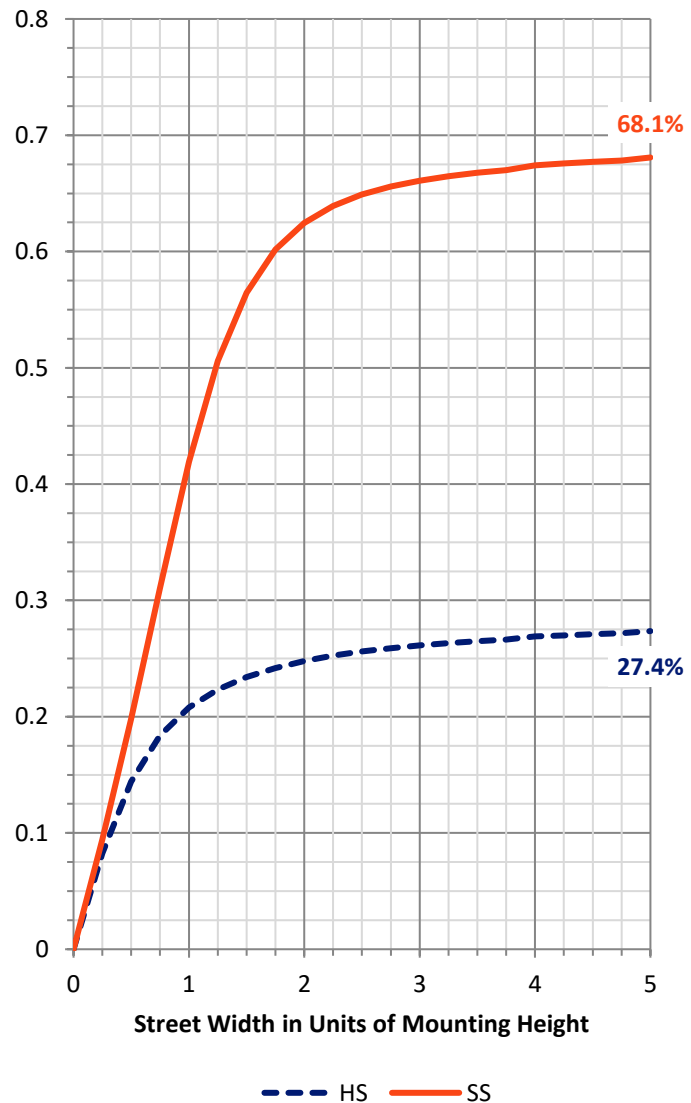
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2626.3	132.2	2758.5
	% Fixture	28.2	1.4	29.6
Street Side	Lumens	6427.7	128.8	6556.5
	% Fixture	69.0	1.4	70.4
Total	Lumens	9054.0	261.0	9315.0
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.1	0.2
10°-20°	112.7	1.2
20°-30°	356.9	3.8
30°-40°	855.3	9.2
40°-50°	1579.2	17.0
50°-60°	2151.9	23.1
60°-70°	2098.1	22.5
70°-80°	1370.2	14.7
80°-90°	507.6	5.4
90°-100°	141.1	1.5
100°-110°	59.1	0.6
110°-120°	29.8	0.3
120°-130°	16.9	0.2
130°-140°	9.5	0.1
140°-150°	3.9	0.0
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	9054.0	97.2
0°-180°	9315.0	100.0



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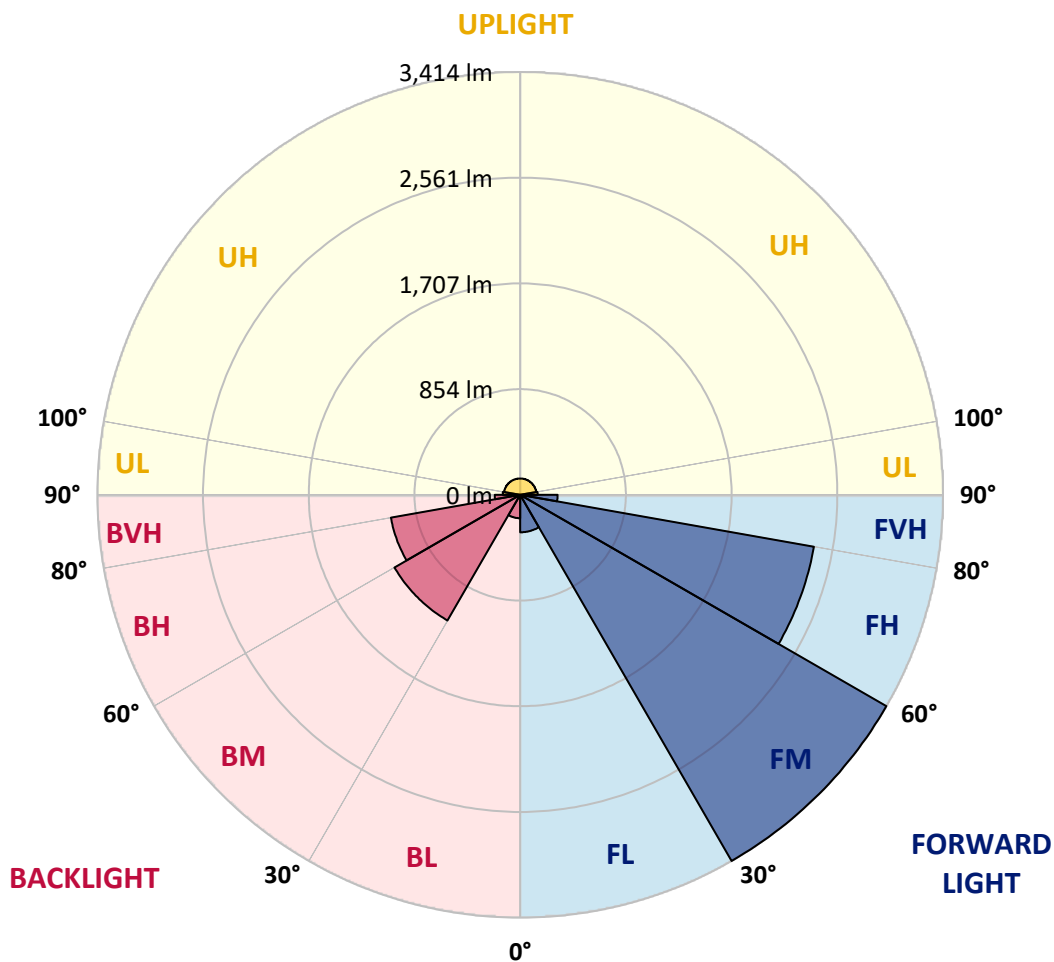
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	302.6	3.2			
FM	(30°-60°)	3414.3	36.7			
FH	(60°-80°)	2408.6	25.9			G2/5000
FVH	(80°-90°)	302.2	3.2			G3/500
BL	(0°-30°)	189.1	2.0	B1/500		
BM	(30°-60°)	1172.1	12.6	B2/2500		
BH	(60°-80°)	1059.7	11.4	B3/2500		G3/2500
BVH	(80°-90°)	205.4	2.2			G2/225
UL	(90°-100°)	141.1	1.5		U3/500	
UH	(100°-180°)	132.2	1.4		U3/500	

BUG Rating: B3-U3-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	194.1	194.1	194.1	194.1	194.1	194.1	194.1	194.1	194.1	194.1	194.1
2.5°	214.5	213.5	211.3	210.2	210.2	208.1	205.9	202.7	200.5	199.5	197.3
5°	242.6	240.4	238.3	236.1	234.0	230.7	225.3	222.1	217.8	216.7	212.4
7.5°	282.5	280.3	273.8	271.7	268.5	264.1	257.7	251.2	246.9	243.7	237.2
10°	335.3	333.1	328.8	323.4	317.0	308.3	297.6	291.1	280.3	282.5	272.8
12.5°	407.5	402.1	396.7	388.1	375.2	365.5	350.4	343.9	332.1	332.1	320.2
15°	494.9	493.8	483.0	464.7	452.8	432.3	419.4	405.4	397.8	397.8	388.1
17.5°	608.1	600.5	591.9	567.1	540.1	515.3	498.1	488.4	479.8	477.6	464.7
20°	748.2	737.4	724.5	680.3	648.0	617.8	593.0	585.4	579.0	577.9	567.1
22.5°	926.1	903.5	879.7	836.6	784.9	732.0	714.8	697.5	698.6	700.8	676.0
25°	1123.4	1116.9	1074.9	1013.4	945.5	887.3	839.9	833.4	839.9	835.5	825.8
27.5°	1376.8	1355.2	1302.4	1223.7	1115.9	1047.9	997.3	993.0	994.0	999.4	983.2
30°	1672.2	1661.4	1594.5	1463.0	1323.9	1233.4	1178.4	1170.8	1183.8	1184.9	1160.1
32.5°	2020.4	1998.8	1896.4	1749.8	1560.0	1444.7	1382.2	1380.0	1394.0	1397.2	1377.8
35°	2373.0	2362.2	2260.8	2050.6	1842.5	1667.9	1604.2	1608.6	1618.3	1637.7	1615.0
37.5°	2779.4	2750.3	2619.8	2397.7	2134.7	1925.5	1857.6	1872.7	1887.8	1887.8	1856.5
40°	3163.2	3152.4	3015.5	2736.3	2421.5	2227.4	2153.0	2161.6	2160.6	2161.6	2120.7
42.5°	3519.0	3482.3	3361.6	3065.1	2740.6	2543.3	2453.8	2467.8	2480.8	2490.5	2387.0
45°	3759.4	3728.2	3621.4	3329.2	3042.5	2856.0	2797.7	2797.7	2812.8	2808.5	2706.1
47.5°	3844.6	3840.3	3760.5	3538.4	3275.3	3130.9	3134.1	3146.0	3168.6	3148.1	3001.5
50°	3804.7	3787.5	3773.4	3649.5	3468.3	3399.3	3464.0	3524.4	3526.5	3489.9	3303.4
52.5°	3554.6	3556.7	3627.9	3605.2	3522.2	3592.3	3789.6	3896.3	3886.6	3851.1	3626.8
55°	3174.0	3191.2	3315.2	3410.1	3460.8	3654.8	4031.1	4252.1	4230.6	4181.0	3953.5
57.5°	2667.3	2723.3	2889.4	3096.4	3277.5	3596.6	4162.6	4560.5	4537.8	4537.8	4279.1
60°	2128.2	2173.5	2418.2	2670.5	2956.2	3400.4	4175.6	4786.9	4841.9	4807.4	4509.8
62.5°	1650.6	1670.0	1923.4	2241.4	2547.6	3070.5	4026.8	4894.7	5040.2	5011.1	4716.8
65°	1215.0	1270.0	1474.9	1766.0	2082.9	2681.3	3708.7	4831.1	5115.7	5100.6	4831.1
67.5°	903.5	928.3	1099.7	1369.2	1683.0	2197.2	3245.2	4552.9	5025.1	5038.1	4813.8
70°	677.1	683.5	817.2	1039.3	1306.7	1733.6	2705.0	4108.7	4724.3	4782.6	4659.7
72.5°	512.1	524.0	635.0	809.7	1008.0	1334.7	2137.9	3505.0	4211.2	4355.6	4309.3
75°	401.1	415.1	491.6	626.4	779.5	1010.2	1618.3	2791.3	3567.5	3754.0	3805.8
77.5°	317.0	332.1	396.7	500.2	608.1	779.5	1189.2	2088.3	2849.5	3036.0	3186.9
80°	249.0	259.8	317.0	393.5	478.7	575.7	833.4	1518.0	2092.6	2325.5	2463.5
82.5°	189.7	201.6	245.8	310.5	375.2	439.9	595.1	1032.8	1518.0	1623.7	1858.7
85°	138.0	148.8	185.4	238.3	288.9	340.7	435.6	688.9	967.1	1093.2	1211.8
87.5°	101.3	105.7	138.0	176.8	222.1	257.7	313.7	439.9	614.5	677.1	776.2
90°	71.2	75.5	101.3	130.5	168.2	201.6	230.7	291.1	382.7	438.8	457.1
92.5°	52.8	56.1	75.5	98.1	129.4	156.3	174.7	205.9	249.0	272.8	287.9
95°	39.9	43.1	59.3	77.6	100.3	122.9	136.9	148.8	173.6	180.0	193.0
97.5°	32.3	34.5	48.5	63.6	80.9	101.3	108.9	115.4	124.0	130.5	135.8
100°	28.0	29.1	41.0	53.9	69.0	81.9	88.4	91.6	97.0	99.2	101.3
102.5°	24.8	24.8	35.6	46.4	59.3	69.0	74.4	74.4	75.5	76.5	75.5
105°	21.6	22.6	31.3	41.0	50.7	59.3	63.6	61.5	60.4	59.3	56.1
107.5°	20.5	20.5	28.0	36.7	45.3	51.7	55.0	50.7	48.5	46.4	43.1
110°	18.3	19.4	24.8	32.3	39.9	45.3	47.4	43.1	38.8	36.7	33.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	17.2	18.3	22.6	29.1	35.6	41.0	41.0	36.7	31.3	29.1	27.0
115°	17.2	17.2	20.5	25.9	32.3	36.7	36.7	31.3	25.9	23.7	22.6
117.5°	17.2	17.2	19.4	23.7	29.1	32.3	32.3	27.0	21.6	19.4	19.4
120°	16.2	16.2	18.3	21.6	27.0	29.1	28.0	23.7	18.3	17.2	17.2
122.5°	16.2	16.2	17.2	20.5	24.8	27.0	25.9	20.5	16.2	14.0	15.1
125°	17.2	16.2	17.2	19.4	22.6	23.7	22.6	17.2	14.0	12.9	14.0
127.5°	17.2	17.2	16.2	18.3	20.5	21.6	20.5	15.1	11.9	11.9	12.9
130°	17.2	17.2	16.2	17.2	18.3	19.4	17.2	12.9	10.8	10.8	11.9
132.5°	17.2	17.2	16.2	16.2	17.2	17.2	15.1	10.8	9.7	9.7	10.8
135°	17.2	17.2	15.1	15.1	15.1	15.1	12.9	9.7	8.6	8.6	9.7
137.5°	16.2	16.2	15.1	14.0	14.0	12.9	10.8	7.5	6.5	7.5	8.6
140°	15.1	15.1	14.0	11.9	11.9	10.8	8.6	6.5	5.4	6.5	6.5
142.5°	14.0	14.0	12.9	10.8	9.7	8.6	7.5	4.3	4.3	4.3	5.4
145°	12.9	12.9	11.9	8.6	7.5	6.5	5.4	3.2	3.2	3.2	4.3
147.5°	10.8	10.8	9.7	7.5	5.4	5.4	3.2	2.2	3.2	3.2	3.2
150°	8.6	8.6	7.5	5.4	4.3	3.2	1.1	2.2	2.2	2.2	3.2
152.5°	7.5	7.5	5.4	4.3	2.2	1.1	1.1	1.1	2.2	2.2	2.2
155°	5.4	5.4	4.3	2.2	1.1	0.0	1.1	1.1	1.1	1.1	1.1
157.5°	3.2	3.2	2.2	1.1	0.0	0.0	0.0	1.1	1.1	1.1	1.1
160°	1.1	1.1	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	194.1	194.1	194.1	194.1	194.1	194.1	194.1	194.1	194.1	194.1	194.1
2.5°	195.1	195.1	194.1	193.0	191.9	190.8	188.7	187.6	187.6	186.5	186.5
5°	210.2	209.2	205.9	202.7	198.4	196.2	193.0	190.8	189.7	188.7	188.7
7.5°	234.0	231.8	225.3	219.9	214.5	210.2	204.8	201.6	200.5	197.3	198.4
10°	267.4	264.1	256.6	246.9	237.2	230.7	223.2	218.9	216.7	214.5	212.4
12.5°	315.9	309.4	296.5	283.5	269.5	256.6	249.0	245.8	248.0	246.9	248.0
15°	382.7	370.9	351.5	332.1	307.3	291.1	288.9	287.9	287.9	288.9	291.1
17.5°	458.2	445.3	420.5	384.9	355.8	339.6	329.9	328.8	334.2	335.3	334.2
20°	557.4	544.5	505.6	457.1	415.1	389.2	376.3	376.3	383.8	386.0	390.3
22.5°	664.1	656.6	603.7	536.9	480.8	438.8	420.5	422.6	433.4	436.6	438.8
25°	812.9	782.7	718.0	626.4	545.5	489.5	464.7	465.7	477.6	486.2	489.5
27.5°	976.8	942.3	847.4	727.7	610.2	531.5	503.5	504.6	518.6	529.4	531.5
30°	1152.5	1118.0	994.0	828.0	670.6	569.2	531.5	532.6	548.8	560.6	562.8
32.5°	1340.1	1312.1	1138.5	935.8	723.4	595.1	549.8	550.9	564.9	575.7	577.9
35°	1577.3	1513.7	1309.9	1031.8	767.6	611.3	558.5	557.4	571.4	582.2	584.3
37.5°	1811.2	1743.3	1472.7	1121.2	793.5	615.6	556.3	556.3	567.1	575.7	576.8
40°	2065.7	1952.5	1644.1	1191.3	803.2	609.1	549.8	548.8	557.4	561.7	562.8
42.5°	2339.5	2200.5	1812.3	1247.4	798.9	595.1	538.0	539.1	542.3	542.3	541.2
45°	2586.4	2445.2	1956.8	1284.0	783.8	576.8	524.0	525.0	526.1	517.5	517.5
47.5°	2876.4	2705.0	2092.6	1292.7	753.6	558.5	513.2	515.3	510.0	498.1	495.9
50°	3151.4	2960.5	2229.6	1289.4	722.3	539.1	502.4	504.6	494.9	478.7	475.5
52.5°	3457.5	3212.8	2358.9	1273.3	684.6	521.8	494.9	497.0	486.2	466.8	463.6
55°	3759.4	3480.2	2477.5	1245.2	652.3	503.5	487.3	492.7	478.7	459.3	458.2
57.5°	4047.3	3745.4	2575.6	1204.3	617.8	490.5	481.9	488.4	475.5	456.0	455.0
60°	4303.9	3970.7	2654.3	1164.4	580.0	477.6	476.5	485.2	473.3	457.1	456.0
62.5°	4483.9	4173.4	2689.9	1110.5	549.8	463.6	470.1	478.7	470.1	457.1	457.1
65°	4627.3	4264.0	2675.9	1039.3	517.5	448.5	461.4	470.1	464.7	456.0	457.1
67.5°	4600.4	4261.8	2584.3	954.1	487.3	432.3	446.3	458.2	453.9	450.7	449.6
70°	4434.3	4060.2	2408.5	861.4	456.0	411.8	428.0	439.9	438.8	437.7	437.7
72.5°	4092.6	3710.9	2145.5	754.7	423.7	390.3	404.3	415.1	417.2	416.2	412.9
75°	3646.2	3230.1	1840.4	654.4	390.3	364.4	379.5	386.0	389.2	387.0	387.0
77.5°	2991.8	2693.2	1463.0	553.1	354.7	335.3	346.1	351.5	355.8	350.4	347.2
80°	2377.3	2048.4	1125.6	451.7	315.9	303.0	308.3	310.5	314.8	309.4	303.0
82.5°	1668.9	1459.8	816.1	368.7	277.1	266.3	269.5	268.5	270.6	263.1	254.4
85°	1114.8	981.1	561.7	296.5	237.2	227.5	227.5	224.2	222.1	214.5	208.1
87.5°	699.7	621.0	386.0	234.0	199.5	191.9	187.6	181.1	179.0	173.6	166.0
90°	431.2	396.7	269.5	187.6	166.0	159.6	155.2	145.5	144.5	135.8	130.5
92.5°	282.5	258.7	199.5	152.0	139.1	132.6	127.2	118.6	117.5	111.0	107.8
95°	186.5	181.1	152.0	127.2	117.5	112.1	106.7	99.2	97.0	90.6	86.2
97.5°	136.9	136.9	125.1	107.8	100.3	94.9	91.6	85.2	80.9	74.4	72.2
100°	103.5	104.6	100.3	92.7	86.2	80.9	77.6	72.2	69.0	62.5	61.5
102.5°	79.8	81.9	83.0	78.7	74.4	70.1	66.8	62.5	58.2	51.7	50.7
105°	61.5	63.6	67.9	66.8	64.7	61.5	58.2	53.9	48.5	43.1	43.1
107.5°	47.4	49.6	56.1	57.1	56.1	52.8	50.7	46.4	42.0	36.7	36.7
110°	36.7	39.9	46.4	48.5	48.5	46.4	44.2	39.9	34.5	31.3	31.3



REPORT NUMBER: P417235

CATALOG NUMBER: LXF.LXT-PA1-90-750-U-T2U-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	30.2	33.4	38.8	42.0	42.0	41.0	37.7	33.4	29.1	27.0	27.0
115°	24.8	28.0	33.4	36.7	36.7	35.6	33.4	29.1	24.8	23.7	23.7
117.5°	21.6	23.7	28.0	31.3	32.3	31.3	29.1	24.8	21.6	21.6	21.6
120°	19.4	21.6	24.8	27.0	28.0	27.0	24.8	21.6	18.3	19.4	19.4
122.5°	17.2	18.3	21.6	24.8	24.8	24.8	22.6	18.3	16.2	17.2	17.2
125°	15.1	17.2	19.4	21.6	22.6	21.6	19.4	16.2	14.0	15.1	16.2
127.5°	14.0	15.1	17.2	19.4	19.4	19.4	17.2	14.0	12.9	14.0	14.0
130°	12.9	14.0	15.1	17.2	17.2	17.2	15.1	11.9	11.9	12.9	12.9
132.5°	11.9	12.9	14.0	15.1	15.1	15.1	12.9	10.8	9.7	11.9	11.9
135°	10.8	10.8	11.9	12.9	12.9	12.9	10.8	8.6	8.6	10.8	10.8
137.5°	8.6	9.7	10.8	10.8	10.8	10.8	8.6	7.5	7.5	8.6	8.6
140°	7.5	7.5	8.6	8.6	8.6	8.6	7.5	5.4	6.5	7.5	7.5
142.5°	6.5	6.5	7.5	7.5	7.5	6.5	5.4	4.3	5.4	6.5	6.5
145°	4.3	5.4	5.4	5.4	5.4	4.3	3.2	3.2	4.3	5.4	5.4
147.5°	4.3	4.3	4.3	4.3	4.3	3.2	2.2	2.2	3.2	4.3	4.3
150°	3.2	3.2	4.3	4.3	3.2	2.2	1.1	1.1	2.2	3.2	3.2
152.5°	2.2	2.2	3.2	3.2	2.2	1.1	0.0	0.0	1.1	1.1	1.1
155°	2.2	2.2	2.2	2.2	2.2	1.1	0.0	0.0	0.0	0.0	0.0
157.5°	1.1	1.1	2.2	2.2	1.1	1.1	0.0	0.0	0.0	0.0	0.0
160°	0.0	1.1	1.1	1.1	1.1	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)