

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: P254965

Luminaire Tested: **LXF.LXT-AF24-90-D-U-SL3-FL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254965
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-31)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-90-D-U-SL3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7988.2 lumens
Efficiency: N/A
Efficacy: 85.0 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 - G4

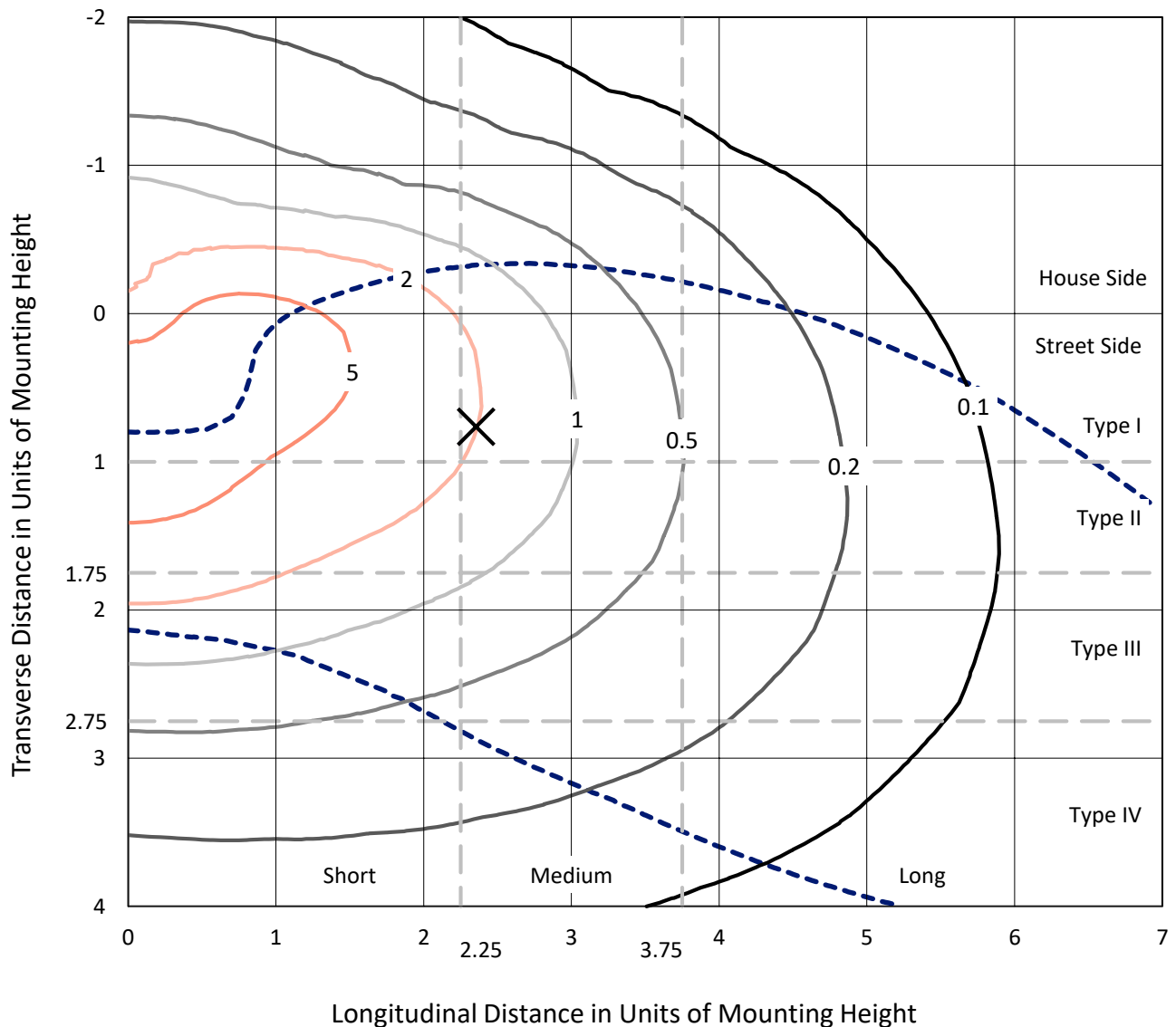
Input Watts (W): 94
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

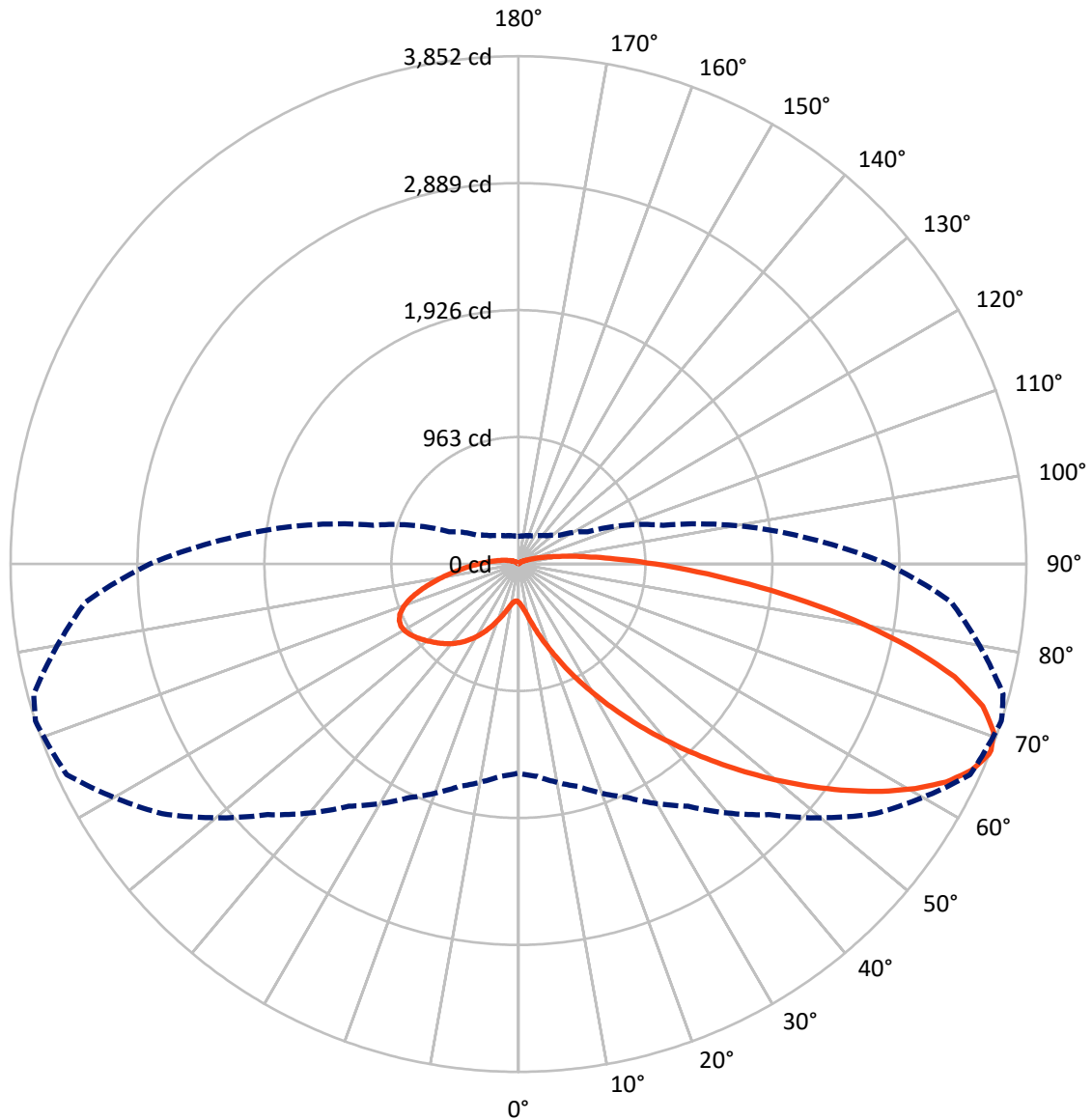


Based on 10 foot mounting height. Maximum calculated value = 9.2 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

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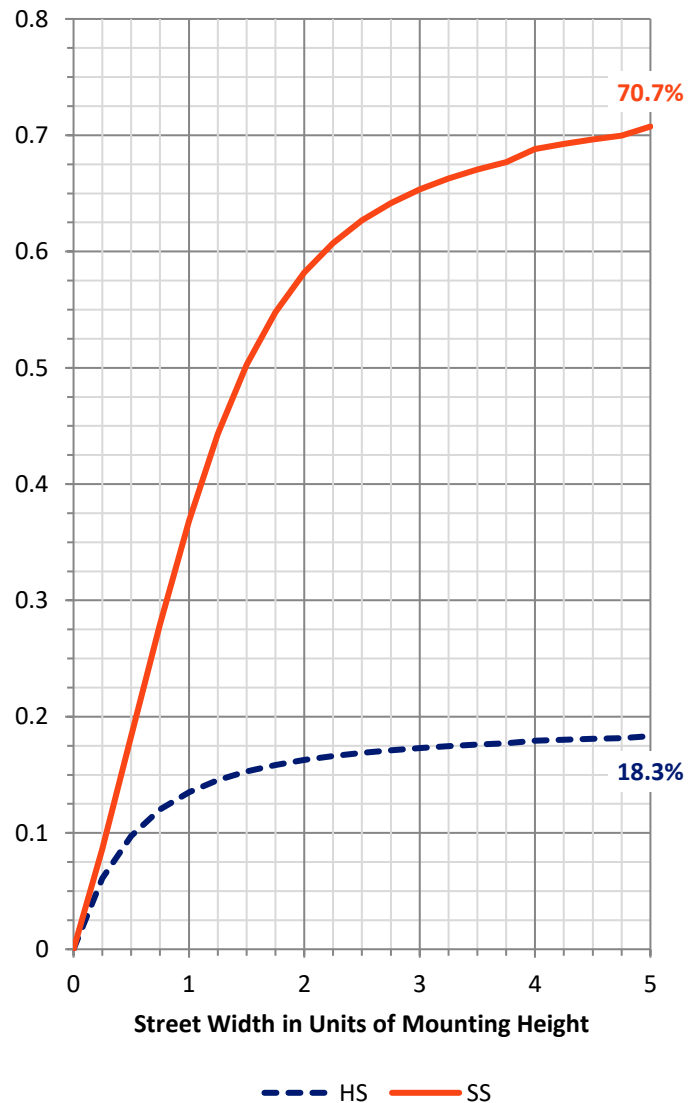
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1535.2	182.9	1718.0
	% Fixture	19.2	2.3	21.5
Street Side	Lumens	5893.2	377.0	6270.2
	% Fixture	73.8	4.7	78.5
Total	Lumens	7428.4	559.9	7988.2
	% Fixture	93.0	7.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.6	0.4
10°-20°	126.9	1.6
20°-30°	313.7	3.9
30°-40°	613.7	7.7
40°-50°	1022.6	12.8
50°-60°	1456.7	18.2
60°-70°	1687.7	21.1
70°-80°	1409.4	17.6
80°-90°	767.3	9.6
90°-100°	322.1	4.0
100°-110°	134.1	1.7
110°-120°	60.5	0.8
120°-130°	28.2	0.4
130°-140°	11.8	0.1
140°-150°	2.9	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7428.4	93.0
0°-180°	7988.2	100.0



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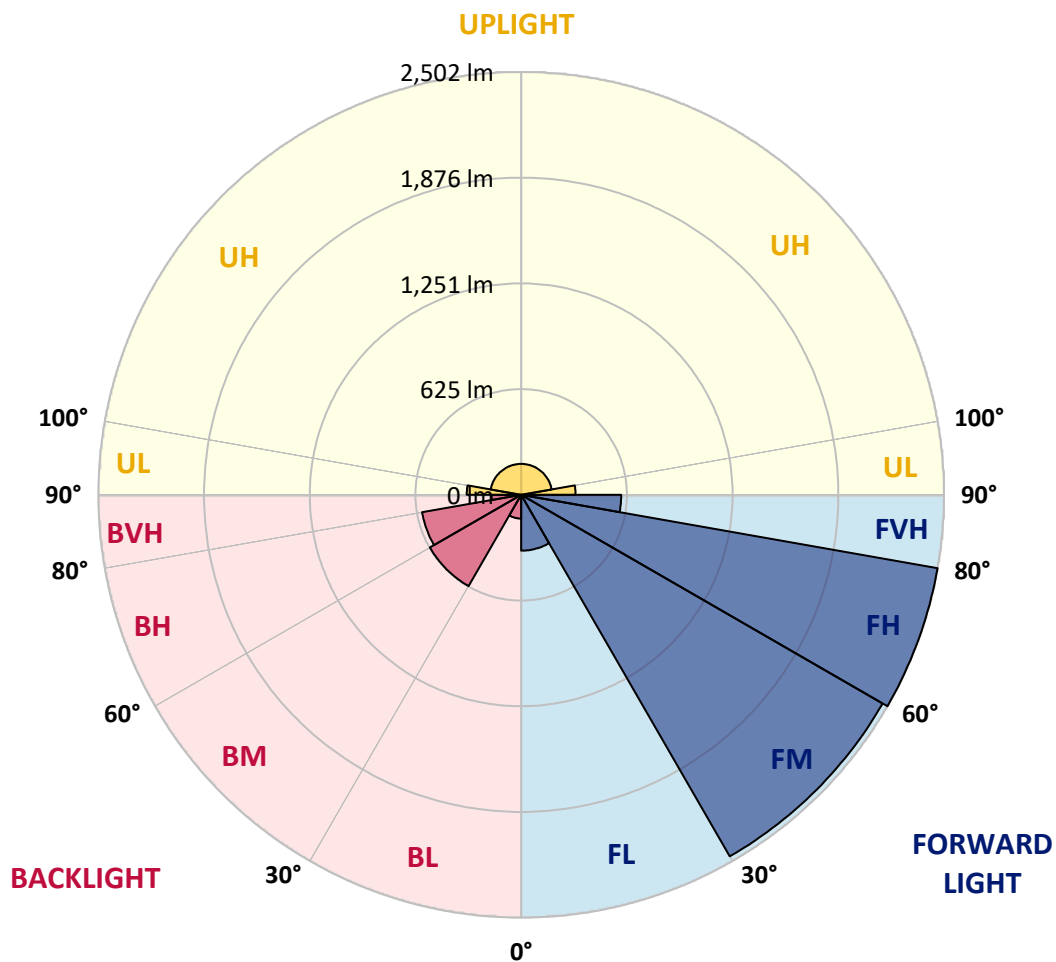
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	330.5	4.1			
FM	(30°-60°)	2469.5	30.9			
FH	(60°-80°)	2501.7	31.3			G2/5000
FVH	(80°-90°)	591.5	7.4			G4/750
BL	(0°-30°)	140.6	1.8	B1/500		
BM	(30°-60°)	623.5	7.8	B1/1000		
BH	(60°-80°)	595.3	7.5	B2/1000		G2/1000
BVH	(80°-90°)	175.8	2.2			G2/225
UL	(90°-100°)	322.1	4.0		U3/500	
UH	(100°-180°)	182.9	2.3		U3/500	

BUG Rating: B2-U3-G4

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	290.0	290.0	290.0	290.0	290.0	290.0	290.0	290.0	290.0	290.0	290.0
2.5°	332.4	332.4	333.4	330.4	327.3	324.3	317.2	311.2	306.2	303.1	297.1
5°	377.9	378.9	376.9	373.8	368.8	361.7	351.6	339.5	329.4	327.3	313.2
7.5°	431.4	431.4	429.4	424.3	418.3	408.2	393.0	376.9	362.7	359.7	338.5
10°	493.1	493.1	492.0	484.0	474.9	462.7	444.6	427.4	408.2	402.1	373.8
12.5°	565.8	564.8	561.7	551.7	540.5	525.4	505.1	484.0	465.7	458.7	424.3
15°	644.6	644.6	640.6	627.4	614.3	596.1	577.9	559.8	536.4	528.4	485.0
17.5°	731.5	730.5	722.4	710.2	692.0	677.9	660.7	639.5	614.3	604.2	553.6
20°	829.5	826.4	815.3	799.1	783.0	764.9	747.7	718.3	697.1	691.1	632.5
22.5°	940.6	935.6	921.4	899.2	879.9	857.7	839.5	814.4	795.1	784.0	726.4
25°	1064.9	1062.8	1045.7	1009.3	982.0	956.8	938.6	926.5	909.3	893.1	826.4
27.5°	1200.2	1195.2	1166.9	1130.6	1088.1	1059.9	1042.7	1033.6	1023.5	1014.4	936.6
30°	1345.8	1342.7	1305.4	1259.9	1203.3	1166.9	1154.8	1155.8	1153.8	1144.7	1058.9
32.5°	1503.3	1501.4	1454.8	1397.2	1326.6	1278.1	1275.0	1290.1	1293.2	1287.2	1190.2
35°	1672.1	1670.1	1616.6	1544.8	1455.9	1399.3	1403.4	1432.6	1445.7	1440.7	1330.6
37.5°	1843.9	1841.8	1786.3	1698.4	1589.3	1524.6	1536.7	1585.2	1610.4	1606.4	1480.1
40°	2032.8	2014.6	1957.0	1852.0	1727.7	1656.0	1683.2	1747.8	1785.3	1771.1	1636.7
42.5°	2196.5	2183.3	2120.7	2003.4	1868.1	1802.4	1835.8	1920.6	1971.1	1967.1	1804.5
45°	2340.9	2334.9	2273.2	2148.0	2008.6	1942.9	1996.4	2105.5	2168.1	2157.0	1981.3
47.5°	2471.2	2461.1	2404.5	2278.3	2137.9	2090.4	2163.1	2295.5	2373.2	2366.2	2164.2
50°	2559.1	2555.1	2505.6	2385.4	2258.1	2217.7	2337.9	2501.5	2589.5	2581.4	2354.0
52.5°	2599.5	2598.6	2565.3	2464.2	2361.2	2367.2	2515.7	2712.8	2809.7	2806.7	2551.0
55°	2586.4	2585.4	2573.3	2506.6	2442.0	2491.5	2693.5	2927.9	3032.9	3031.0	2742.0
57.5°	2508.7	2512.7	2528.8	2504.6	2495.5	2605.7	2865.3	3138.1	3253.3	3247.2	2928.9
60°	2360.2	2369.3	2420.7	2451.1	2510.6	2686.5	3023.9	3345.2	3458.4	3448.3	3098.6
62.5°	2156.1	2177.2	2254.1	2345.9	2480.3	2741.0	3165.3	3529.1	3641.2	3620.0	3216.9
65°	1912.5	1936.8	2040.9	2192.4	2404.5	2749.1	3266.4	3679.6	3776.6	3749.3	3298.7
67.5°	1641.7	1672.1	1798.3	1997.4	2276.3	2705.6	3302.8	3772.5	3849.4	3805.9	3306.8
68°	1586.2	1616.6	1746.9	1953.9	2242.9	2688.5	3301.8	3780.6	3852.3	3805.9	3294.7
70°	1370.0	1402.4	1544.8	1774.1	2110.6	2602.6	3262.3	3771.5	3825.1	3768.6	3213.8
72.5°	1123.5	1155.8	1299.2	1542.8	1907.5	2425.8	3123.9	3658.4	3683.6	3616.9	3018.8
75°	902.2	935.6	1074.0	1319.5	1687.3	2215.6	2894.5	3422.0	3417.0	3339.1	2724.8
77.5°	714.3	744.6	876.0	1108.4	1461.0	1959.1	2599.5	3069.4	3036.0	2954.2	2351.0
80°	561.7	589.0	708.2	921.4	1242.7	1690.3	2246.9	2639.9	2584.4	2500.6	1948.9
82.5°	438.4	463.7	568.9	757.7	1041.7	1428.6	1868.1	2186.4	2109.5	2032.8	1563.0
85°	342.5	362.7	455.6	618.3	860.8	1181.1	1536.7	1745.9	1665.1	1598.4	1218.4
87.5°	267.7	284.9	363.8	502.2	710.2	959.8	1225.5	1359.9	1284.1	1229.6	934.6
90°	210.1	222.3	293.0	407.1	572.9	773.9	962.8	1043.7	976.0	933.5	713.3
92.5°	166.7	175.8	233.3	330.4	461.8	614.3	745.6	791.0	734.5	703.2	541.6
95°	133.4	140.5	188.9	269.8	375.8	486.0	573.9	597.1	552.6	528.4	411.2
97.5°	109.1	114.2	155.6	219.2	301.1	386.0	444.6	453.7	417.3	399.1	314.3
100°	90.9	94.0	128.3	181.9	244.5	307.1	346.6	347.6	317.2	302.1	239.5
102.5°	76.8	78.8	107.1	151.5	202.0	246.5	272.8	267.7	240.5	228.3	183.9
105°	65.7	67.7	89.9	127.3	168.7	200.1	215.2	207.1	183.9	174.8	142.5
107.5°	57.6	58.6	75.8	107.1	141.5	164.7	173.8	162.6	142.5	134.4	112.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
110°	50.5	51.6	64.7	92.0	119.2	138.4	141.5	128.3	111.1	105.1	89.9
112.5°	44.5	45.4	56.6	77.7	102.1	116.2	117.2	103.0	87.9	82.9	72.7
115°	40.4	41.4	49.5	66.7	86.8	98.0	97.0	82.9	69.7	65.7	59.6
117.5°	37.3	38.4	44.5	57.6	74.8	82.9	80.8	67.7	56.6	53.5	50.5
120°	34.4	35.4	39.4	49.5	63.6	70.7	66.7	54.5	46.4	44.5	42.5
122.5°	32.3	32.3	35.4	43.5	54.5	59.6	55.5	45.4	38.4	36.4	36.4
125°	29.3	30.3	32.3	37.3	46.4	50.5	46.4	37.3	31.3	31.3	31.3
127.5°	28.3	28.3	29.3	33.3	39.4	42.5	38.4	30.3	26.3	26.3	27.3
130°	26.3	26.3	26.3	29.3	33.3	34.4	30.3	24.2	22.2	22.2	23.2
132.5°	24.2	24.2	24.2	25.3	27.3	27.3	24.2	20.3	19.2	19.2	20.3
135°	22.2	22.2	21.2	21.2	22.2	21.2	19.2	16.2	15.1	16.2	17.2
137.5°	19.2	19.2	19.2	18.2	17.2	16.2	13.1	12.2	12.2	13.1	14.1
140°	16.2	16.2	16.2	14.1	13.1	11.2	9.1	8.1	9.1	10.1	11.2
142.5°	13.1	13.1	13.1	11.2	9.1	7.1	5.0	5.0	6.0	7.1	8.1
145°	10.1	10.1	10.1	8.1	6.0	4.1	3.1	4.1	5.0	5.0	6.0
147.5°	7.1	7.1	7.1	5.0	3.1	1.0	1.0	3.1	4.1	4.1	5.0
150°	4.1	4.1	4.1	2.0	1.0	0.0	0.0	2.0	3.1	3.1	4.1
152.5°	1.0	1.0	2.0	1.0	0.0	0.0	0.0	1.0	2.0	2.0	3.1
155°	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	2.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
160°	0.0	0.0	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°	290.0	290.0	290.0	290.0	290.0	290.0	290.0	290.0	290.0	290.0	290.0
2.5°	293.0	290.0	282.8	275.8	269.8	264.7	260.6	258.6	256.7	255.6	253.6
5°	306.2	299.0	284.9	271.8	259.6	249.6	239.5	233.3	229.3	226.3	225.3
7.5°	328.4	317.2	296.0	275.8	256.7	238.4	226.3	218.2	211.1	207.1	206.1
10°	360.7	346.6	315.2	285.9	259.6	236.4	219.2	207.1	199.1	195.0	195.0
12.5°	407.1	386.0	344.5	304.1	267.7	238.4	217.2	206.1	200.1	197.0	197.0
15°	464.7	436.5	382.9	330.4	283.9	247.6	226.3	214.2	208.2	205.1	205.1
17.5°	528.4	492.0	425.3	358.6	300.0	263.7	236.4	222.3	215.2	212.2	212.2
20°	601.2	559.8	470.8	387.0	321.3	278.9	247.6	229.3	222.3	220.2	219.2
22.5°	683.9	630.4	520.3	416.2	342.5	290.9	256.7	235.4	229.3	227.3	227.3
25°	775.9	711.3	573.9	447.5	359.7	300.0	263.7	242.4	235.4	234.4	233.3
27.5°	872.9	797.2	627.4	477.9	372.8	305.1	267.7	248.6	240.5	240.5	239.5
30°	986.1	887.1	678.9	503.2	380.8	307.1	268.7	251.5	244.5	245.5	246.5
32.5°	1099.3	982.0	730.5	525.4	387.0	308.1	268.7	252.6	245.5	248.6	248.6
35°	1219.5	1080.0	780.0	543.6	389.9	307.1	268.7	254.6	246.5	249.6	250.5
37.5°	1345.8	1180.1	827.5	557.7	392.0	306.2	268.7	254.6	247.6	250.5	250.5
40°	1475.1	1280.1	872.9	567.8	392.0	305.1	267.7	254.6	249.6	249.6	250.5
42.5°	1614.5	1384.2	914.3	575.9	392.0	303.1	267.7	254.6	247.6	248.6	249.6
45°	1762.0	1491.3	953.7	582.0	391.0	303.1	266.7	253.6	246.5	245.5	246.5
47.5°	1906.5	1602.4	992.2	588.0	389.9	304.1	266.7	252.6	244.5	240.5	241.5
50°	2066.2	1717.5	1031.5	592.1	391.0	304.1	267.7	251.5	241.5	236.4	237.4
52.5°	2223.7	1832.7	1069.9	597.1	391.0	305.1	267.7	249.6	238.4	231.4	232.4
55°	2390.4	1946.9	1107.3	602.1	392.0	306.2	268.7	247.6	235.4	227.3	228.3
57.5°	2535.9	2056.0	1140.7	605.2	392.0	308.1	268.7	246.5	232.4	223.3	223.3
60°	2669.3	2157.0	1167.9	606.2	392.0	308.1	268.7	244.5	230.4	219.2	219.2
62.5°	2770.4	2224.7	1181.1	604.2	389.9	308.1	267.7	242.4	228.3	216.3	216.3
65°	2821.8	2254.1	1175.0	597.1	388.0	307.1	266.7	239.5	225.3	214.2	213.2
67.5°	2808.7	2231.8	1145.7	583.0	382.9	304.1	263.7	235.4	223.3	212.2	210.1
68°	2795.5	2214.6	1136.6	578.9	379.9	303.1	262.7	235.4	222.3	212.2	210.1
70°	2706.6	2140.8	1089.1	561.7	374.8	299.0	259.6	231.4	219.2	210.1	208.2
72.5°	2518.7	1981.3	1009.3	532.4	362.7	292.0	252.6	226.3	215.2	207.1	204.1
75°	2249.0	1768.1	909.3	498.1	347.6	282.8	243.5	219.2	209.1	202.0	199.1
77.5°	1941.9	1517.5	799.1	456.6	329.4	271.8	233.3	211.1	202.0	196.0	191.0
80°	1606.4	1259.9	688.0	413.3	309.1	257.7	222.3	201.0	192.9	185.9	181.9
82.5°	1288.2	1020.4	583.0	371.8	284.9	239.5	209.1	188.9	180.9	174.8	169.7
85°	1009.3	813.3	487.9	329.4	262.7	223.3	195.0	175.8	168.7	161.6	156.6
87.5°	781.9	639.5	409.2	290.0	237.4	205.1	180.9	162.6	154.6	146.5	142.5
90°	604.2	503.2	338.5	252.6	215.2	187.9	165.7	148.5	139.4	132.4	128.3
92.5°	465.7	397.0	280.9	221.3	192.0	169.7	150.6	135.3	125.3	116.2	113.1
95°	360.7	314.3	233.3	192.0	170.7	152.5	136.4	121.2	110.2	101.1	98.0
97.5°	280.9	248.6	194.0	165.7	150.6	135.3	121.2	108.1	97.0	85.9	83.9
100°	217.2	197.0	162.6	143.4	132.4	119.2	107.1	96.0	82.9	72.7	71.7
102.5°	170.7	157.6	136.4	124.3	115.2	105.1	94.9	83.9	70.7	60.7	59.6
105°	135.3	127.3	114.2	106.1	100.0	92.0	83.9	72.7	58.6	50.5	50.5
107.5°	108.1	103.0	96.0	90.9	86.8	79.8	72.7	61.6	48.5	41.4	42.5



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CATALOG NUMBER: LXF.LXT-AF24-90-D-U-SL3-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	87.9	84.9	80.8	78.8	75.8	69.7	62.6	52.6	40.4	34.4	35.4
112.5°	71.7	70.7	68.7	67.7	65.7	60.7	53.5	43.5	32.3	29.3	29.3
115°	59.6	58.6	58.6	57.6	56.6	52.6	45.4	36.4	26.3	24.2	24.2
117.5°	50.5	50.5	49.5	49.5	48.5	44.5	38.4	30.3	21.2	20.3	20.3
120°	42.5	42.5	42.5	42.5	41.4	37.3	32.3	24.2	17.2	17.2	17.2
122.5°	36.4	37.3	36.4	36.4	35.4	32.3	26.3	19.2	14.1	14.1	15.1
125°	31.3	31.3	31.3	30.3	29.3	26.3	21.2	15.1	12.2	12.2	12.2
127.5°	27.3	27.3	27.3	26.3	24.2	22.2	17.2	12.2	10.1	10.1	10.1
130°	24.2	23.2	23.2	22.2	20.3	17.2	13.1	9.1	8.1	8.1	8.1
132.5°	20.3	20.3	19.2	18.2	16.2	13.1	10.1	6.0	6.0	7.1	7.1
135°	17.2	17.2	16.2	14.1	12.2	10.1	7.1	5.0	5.0	5.0	5.0
137.5°	14.1	14.1	13.1	11.2	9.1	6.0	4.1	3.1	3.1	4.1	4.1
140°	11.2	11.2	10.1	8.1	6.0	4.1	2.0	1.0	2.0	2.0	2.0
142.5°	8.1	8.1	7.1	5.0	3.1	2.0	0.0	1.0	1.0	1.0	1.0
145°	6.0	6.0	5.0	4.1	2.0	1.0	0.0	0.0	1.0	0.0	0.0
147.5°	5.0	5.0	4.1	3.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	4.1	3.1	3.1	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	3.1	2.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	2.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	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

(END OF REPORT)