

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: P254368

Luminaire Tested: **LXF.LXT-AF24-60-D-U-T4W-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254368
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-20)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-60-D-U-T4W-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6323.9 lumens
Efficiency: N/A
Efficacy: 98.8 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

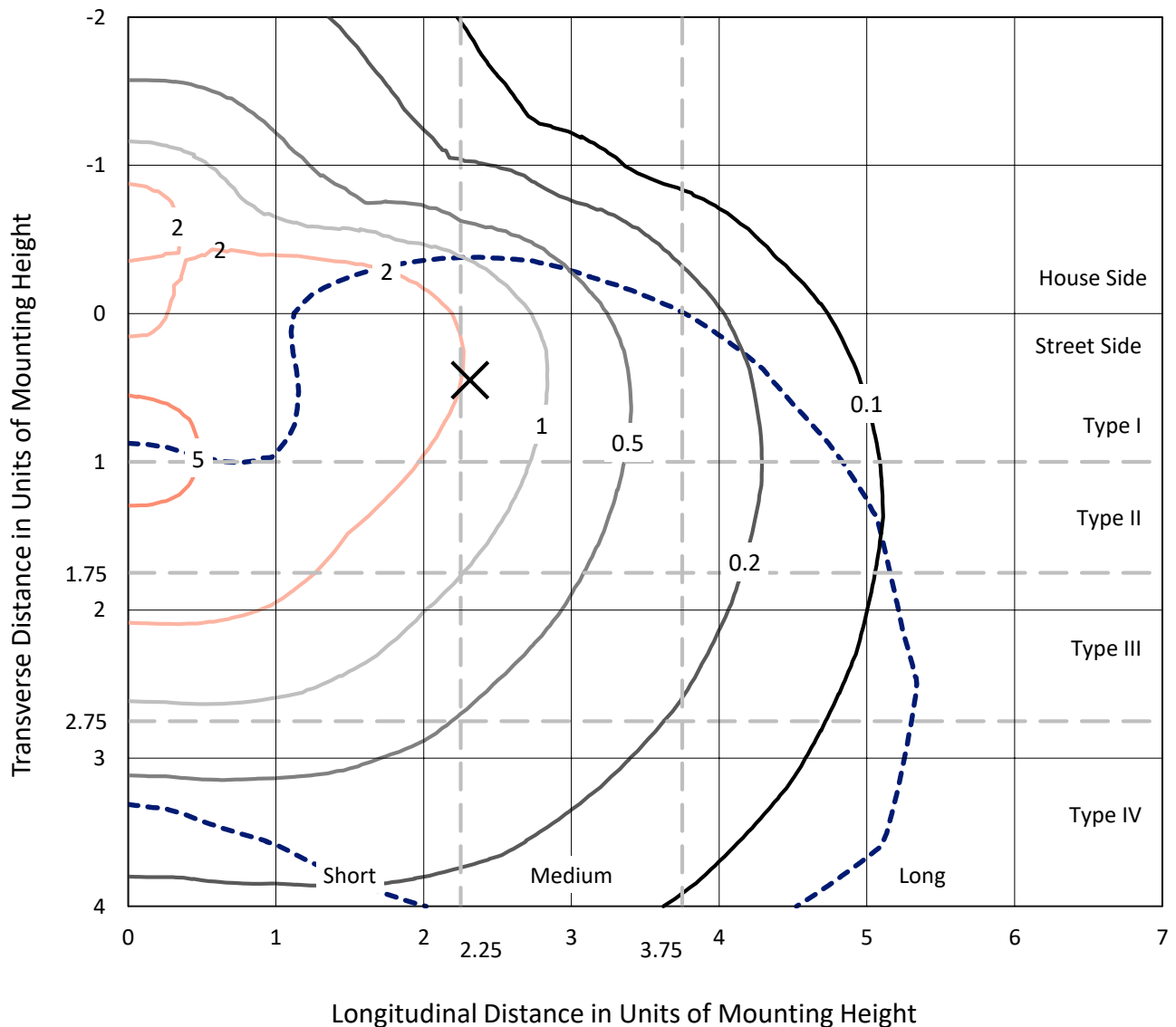
Input Watts (W): 64
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

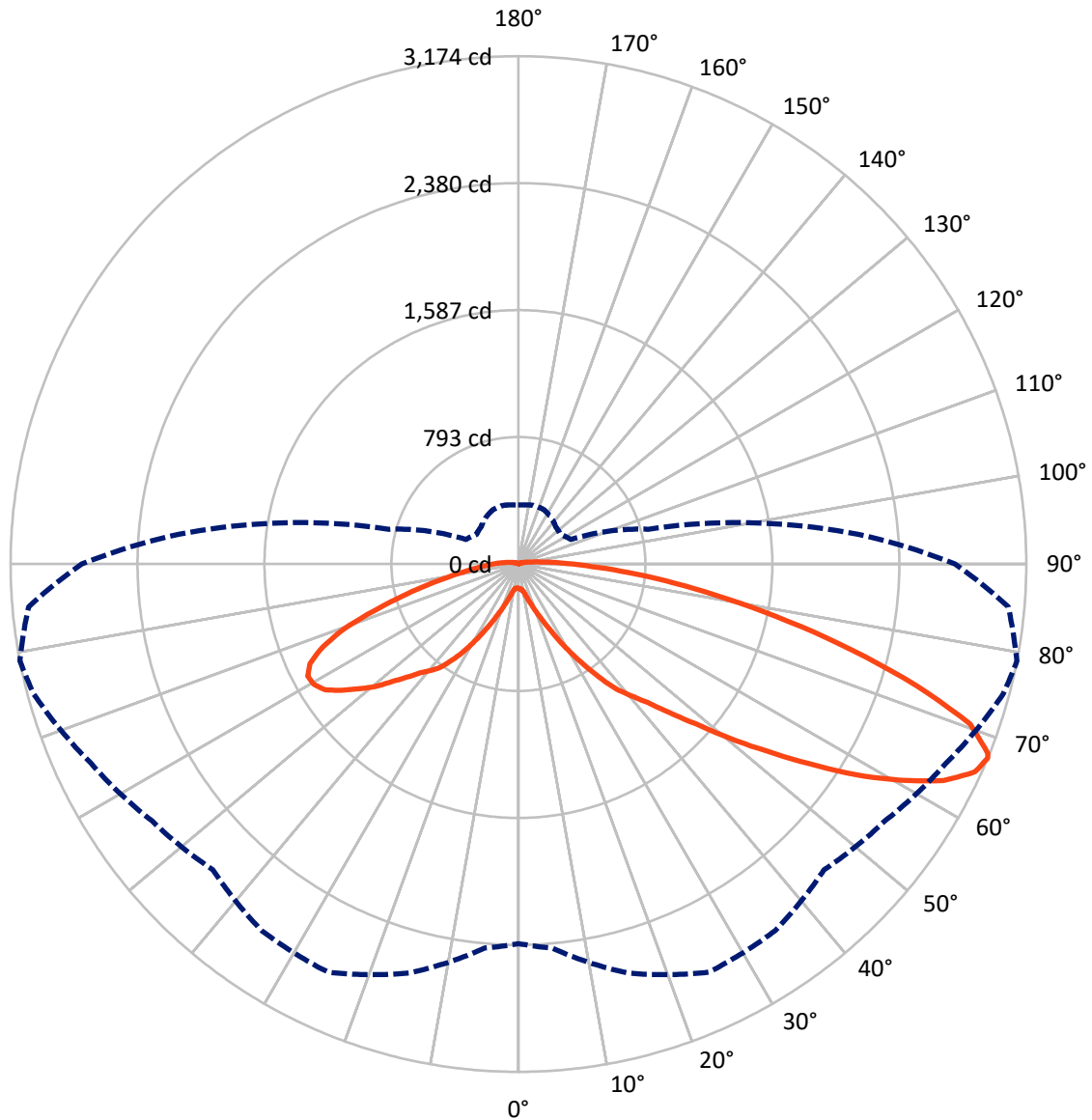
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.7 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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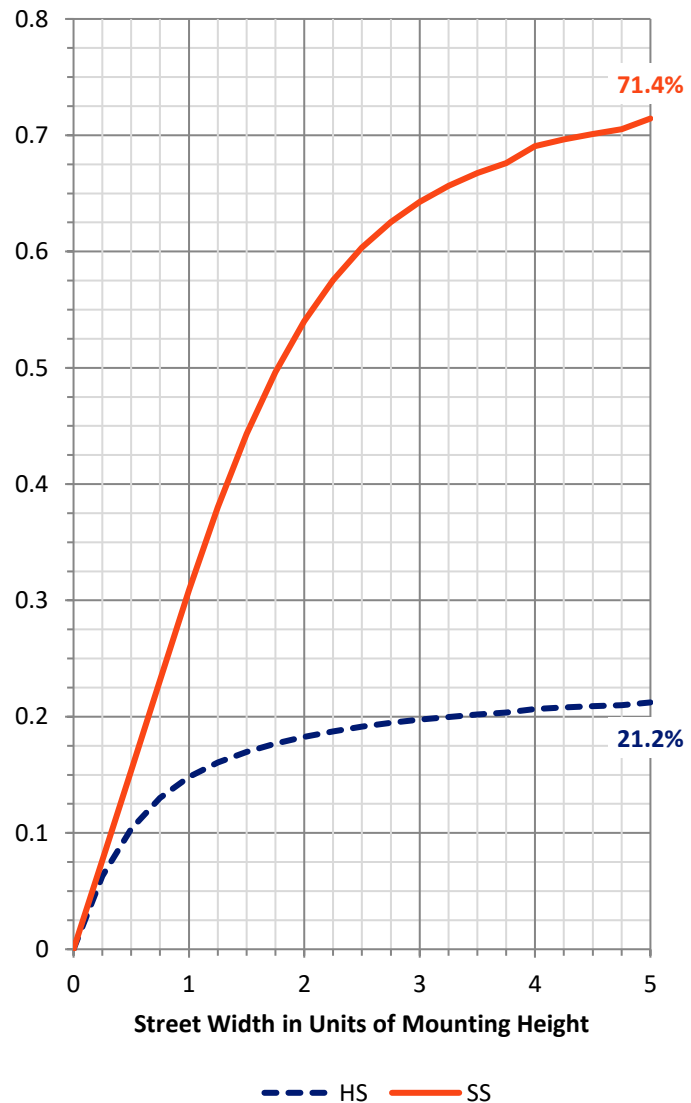
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1410.3	95.2	1505.5
	% Fixture	22.3	1.5	23.8
Street Side	Lumens	4686.5	131.9	4818.4
	% Fixture	74.1	2.1	76.2
Total	Lumens	6096.8	227.1	6323.9
	% Fixture	96.4	3.6	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.4	0.2
10°-20°	65.0	1.0
20°-30°	187.4	3.0
30°-40°	425.1	6.7
40°-50°	738.6	11.7
50°-60°	1183.4	18.7
60°-70°	1649.0	26.1
70°-80°	1302.5	20.6
80°-90°	530.5	8.4
90°-100°	151.3	2.4
100°-110°	45.0	0.7
110°-120°	17.4	0.3
120°-130°	8.4	0.1
130°-140°	3.8	0.1
140°-150°	1.0	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6096.8	96.4
0°-180°	6323.9	100.0



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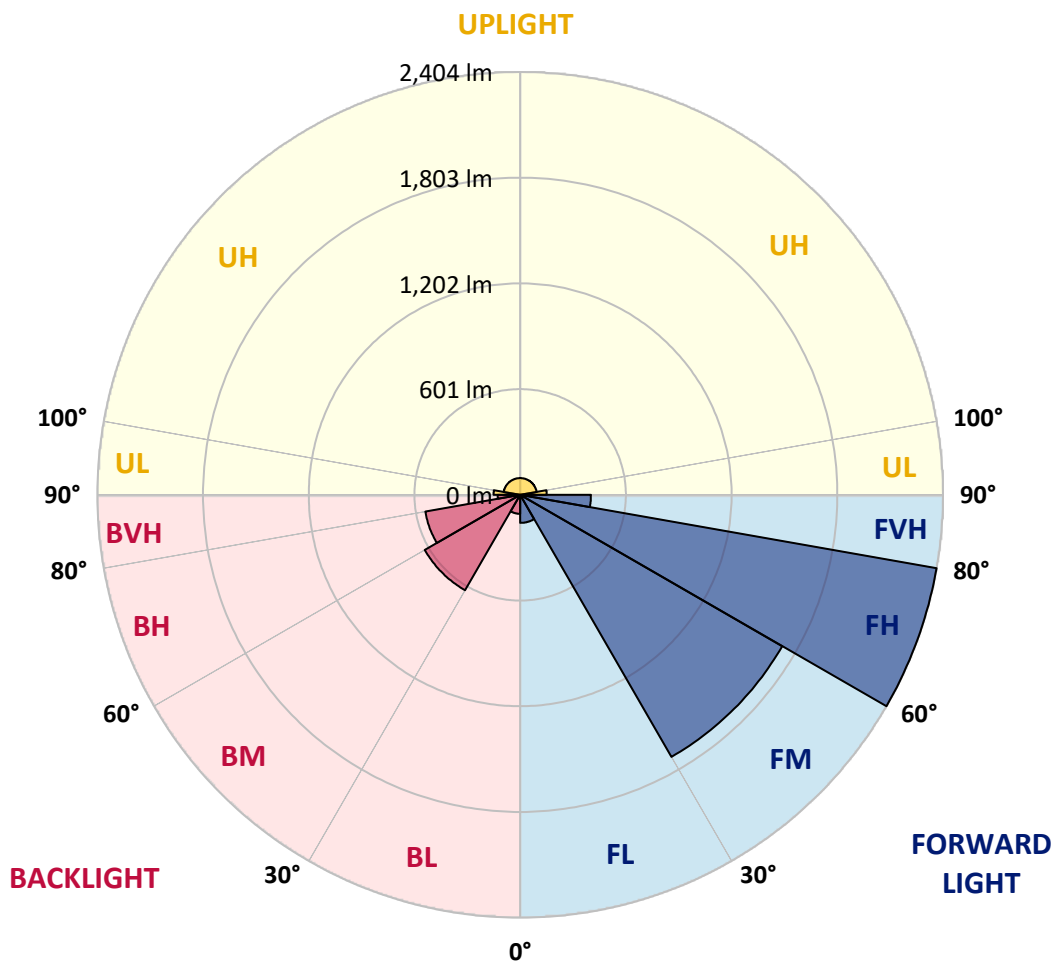
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	159.7	2.5			
FM (30°-60°)	1720.5	27.2			
FH (60°-80°)	2404.0	38.0			G2/5000
FVH (80°-90°)	402.4	6.4			G3/500
BL (0°-30°)	108.1	1.7	B0/110		
BM (30°-60°)	626.6	9.9	B1/1000		
BH (60°-80°)	547.6	8.7	B2/1000		G2/1000
BVH (80°-90°)	128.1	2.0			G2/225
UL (90°-100°)	151.3	2.4		U3/500	
UH (100°-180°)	95.2	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°	79°	85°
0°	152.1	152.1	152.1	152.1	152.1	152.1	152.1	152.1	152.1	152.1	152.1
2.5°	162.0	162.0	162.9	162.9	162.9	161.3	159.0	156.7	155.2	154.4	152.9
5°	174.3	173.5	174.3	173.5	173.5	170.4	166.6	162.9	159.8	158.3	155.9
7.5°	191.9	191.9	191.1	189.6	188.0	182.7	176.6	172.0	167.4	164.4	162.0
10°	214.0	214.8	213.3	209.4	205.6	198.8	191.9	185.8	178.9	175.0	172.0
12.5°	248.5	248.5	245.4	236.9	227.8	219.4	211.8	205.6	202.5	198.8	195.7
15°	291.2	290.5	285.9	272.9	260.6	246.1	240.8	236.9	234.7	231.6	227.8
17.5°	341.7	340.9	332.6	315.0	295.8	285.1	276.7	272.9	274.5	271.4	268.3
20°	402.1	400.6	387.6	363.0	344.0	329.5	320.3	316.5	321.0	318.8	316.5
22.5°	479.3	475.5	457.2	422.0	399.8	376.0	367.6	366.1	376.9	376.9	376.9
25°	571.0	567.2	539.7	499.2	460.1	431.2	422.7	431.2	448.7	451.0	455.6
27.5°	677.3	672.7	639.0	582.5	530.5	491.5	484.7	501.5	529.0	539.7	544.2
30°	802.6	799.5	751.5	679.5	606.2	557.2	549.6	580.2	623.0	639.9	651.3
32.5°	950.9	947.0	877.5	792.7	690.3	629.1	623.0	669.6	733.9	749.9	772.8
35°	1134.4	1130.6	1038.8	920.3	784.3	705.5	705.5	765.9	844.7	866.8	895.1
37.5°	1318.6	1317.9	1225.3	1067.1	888.2	789.6	791.2	860.7	955.5	989.9	1015.9
40°	1498.2	1499.7	1394.3	1213.1	1004.4	882.1	881.4	951.7	1050.3	1080.1	1105.3
42.5°	1661.8	1661.1	1561.6	1368.3	1125.2	982.2	968.5	1037.3	1142.0	1182.5	1216.2
45°	1775.7	1784.1	1707.7	1508.1	1246.8	1086.2	1057.9	1134.4	1268.2	1323.9	1369.0
47.5°	1917.1	1917.9	1847.6	1639.7	1371.4	1194.0	1168.0	1264.4	1434.0	1492.1	1539.5
50°	2073.1	2080.7	2024.9	1804.8	1512.0	1315.5	1305.6	1427.1	1628.9	1710.8	1769.6
52.5°	2206.1	2215.2	2180.8	1993.5	1681.7	1471.5	1471.5	1625.9	1842.2	1940.0	1997.4
55°	2303.9	2319.2	2327.6	2174.7	1873.5	1654.2	1671.0	1844.5	2084.6	2201.5	2271.1
57.5°	2381.8	2403.3	2443.0	2336.0	2062.4	1873.5	1898.0	2083.8	2375.8	2485.1	2558.5
60°	2497.3	2521.8	2593.6	2508.8	2279.4	2109.7	2142.7	2345.2	2643.3	2741.9	2797.8
62.5°	2508.8	2538.6	2683.8	2696.1	2482.8	2340.6	2413.2	2612.0	2896.3	2981.9	2994.2
65°	2456.0	2495.0	2687.6	2799.2	2699.2	2557.0	2659.4	2842.1	3077.4	3134.0	3102.7
67°	2371.9	2409.4	2646.4	2814.5	2797.0	2701.4	2797.0	2947.5	3136.4	3173.8	3072.9
67.5°	2336.0	2371.9	2623.5	2811.5	2809.2	2726.7	2819.2	2970.4	3139.4	3164.6	3050.7
70°	2105.9	2155.7	2424.7	2713.7	2803.8	2749.6	2858.1	2962.9	3004.1	2994.9	2831.3
72.5°	1701.6	1748.2	2041.7	2446.1	2652.5	2625.0	2721.3	2740.4	2667.8	2605.0	2381.8
75°	1248.3	1268.9	1539.5	1974.5	2313.1	2344.4	2417.0	2374.3	2241.3	2157.9	1930.9
77.5°	866.8	887.5	1095.4	1495.1	1865.1	1982.1	2054.0	1991.3	1851.4	1723.8	1476.0
80°	574.1	584.7	747.6	1089.2	1463.0	1625.9	1687.8	1623.6	1446.2	1320.9	1086.2
82.5°	350.1	370.7	488.5	763.6	1131.3	1331.6	1376.7	1302.5	1110.7	980.7	782.8
85°	210.2	221.0	312.6	516.0	832.5	1056.4	1099.3	1002.9	808.7	691.8	524.4
87.5°	129.9	134.5	196.4	334.1	584.0	788.9	834.7	720.9	545.7	460.9	350.9
90°	84.1	87.9	129.2	220.1	386.1	561.8	582.5	490.7	363.0	307.3	237.7
92.5°	56.6	59.6	87.9	146.0	253.8	368.5	383.7	324.1	240.0	204.9	162.0
95°	39.8	42.0	61.9	99.3	165.1	227.0	243.1	210.2	156.7	135.3	111.6
97.5°	30.6	32.1	46.6	71.8	111.6	146.8	152.9	136.9	106.3	93.3	81.0
100°	24.4	26.0	36.7	54.3	80.3	100.1	103.9	94.0	74.9	67.3	59.6
102.5°	21.4	21.4	29.8	42.8	60.4	74.2	74.9	67.3	55.0	49.7	45.8
105°	18.3	18.3	24.4	34.4	48.2	57.3	57.3	49.7	40.5	36.7	35.2
107.5°	15.2	16.1	20.7	27.5	38.3	45.8	44.3	36.7	29.1	26.8	26.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
110°	13.0	13.8	17.6	22.9	31.3	37.4	35.2	28.2	21.4	19.8	19.8
112.5°	11.5	12.3	14.5	19.8	26.8	31.3	28.2	21.4	16.1	15.2	16.1
115°	10.7	10.7	13.0	17.6	22.9	26.0	23.7	17.6	13.0	12.3	13.0
117.5°	9.2	9.9	11.5	15.2	20.7	22.2	19.8	13.8	9.9	9.9	11.5
120°	9.2	9.2	10.7	13.8	18.3	19.8	16.8	11.5	8.4	8.4	9.9
122.5°	8.4	8.4	9.9	13.0	16.1	17.6	14.5	9.9	7.7	7.7	8.4
125°	8.4	8.4	9.9	12.3	14.5	14.5	12.3	8.4	6.9	6.9	7.7
127.5°	9.2	9.2	9.9	11.5	13.0	13.0	10.7	7.7	6.1	6.1	6.9
130°	9.2	9.2	9.2	10.7	11.5	10.7	9.2	6.9	6.1	6.1	6.9
132.5°	9.2	9.2	9.2	9.2	9.9	9.2	7.7	5.3	5.3	5.3	6.1
135°	8.4	8.4	7.7	8.4	8.4	6.9	5.3	3.8	4.6	4.6	5.3
137.5°	6.9	6.9	6.9	6.9	6.1	5.3	3.8	3.1	3.8	4.6	4.6
140°	6.1	6.1	5.3	5.3	4.6	3.8	2.3	3.1	3.8	3.8	3.8
142.5°	4.6	4.6	4.6	3.8	3.1	2.3	1.5	2.3	3.1	3.1	3.8
145°	3.1	3.1	3.1	2.3	1.5	0.7	1.5	1.5	2.3	3.1	3.1
147.5°	1.5	1.5	1.5	0.7	0.7	0.7	0.7	1.5	2.3	2.3	2.3
150°	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	1.5	2.3	2.3
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.5	1.5	1.5
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.5
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7
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°	152.1	152.1	152.1	152.1	152.1	152.1	152.1	152.1	152.1	152.1	152.1
2.5°	152.1	151.4	149.0	147.5	146.0	145.3	144.4	144.4	143.7	142.9	142.9
5°	154.4	152.9	149.0	146.0	143.7	142.2	140.7	139.8	138.4	137.6	137.6
7.5°	159.0	156.7	152.1	146.8	142.9	140.7	139.1	137.6	136.1	136.1	136.1
10°	168.2	165.1	158.3	151.4	145.3	142.2	140.7	139.1	139.1	138.4	138.4
12.5°	191.1	186.5	175.0	162.9	152.1	147.5	146.0	149.9	154.4	155.2	157.4
15°	222.5	217.9	203.4	185.8	168.2	158.3	163.6	170.4	178.1	184.2	184.2
17.5°	261.5	256.0	236.2	211.8	190.4	184.2	185.8	195.7	206.4	211.8	212.5
20°	309.5	302.0	274.5	240.8	217.1	208.0	210.2	220.1	235.5	243.1	244.6
22.5°	370.0	358.5	321.8	274.5	245.4	233.1	235.5	247.7	268.3	279.0	282.8
25°	446.4	431.9	376.0	315.0	273.6	255.3	262.2	281.3	307.3	323.4	322.5
27.5°	534.3	511.4	441.8	357.0	302.0	276.7	287.4	314.1	345.6	363.9	366.1
30°	639.9	610.0	513.7	401.3	326.4	295.8	309.5	343.2	378.4	402.8	405.1
32.5°	756.8	721.6	587.1	445.6	346.3	310.4	325.6	367.6	408.2	437.2	438.0
35°	876.8	831.7	656.6	483.9	363.0	321.8	337.9	386.1	433.4	467.1	469.3
37.5°	991.4	938.7	720.9	509.1	373.8	328.0	344.7	401.3	454.8	490.7	493.1
40°	1077.8	1012.8	760.6	517.5	376.0	331.0	350.9	407.4	454.8	482.3	483.9
42.5°	1186.3	1100.7	789.6	509.1	370.0	331.0	353.1	399.8	436.5	454.8	454.8
45°	1331.6	1226.1	834.0	499.2	357.7	328.7	347.1	383.0	407.4	416.6	416.6
47.5°	1505.1	1367.5	879.0	492.2	348.5	323.4	337.9	362.3	375.3	376.0	374.6
50°	1724.5	1546.4	934.9	482.3	343.2	318.0	329.5	345.6	353.1	350.1	348.5
52.5°	1934.0	1705.4	974.6	470.1	340.1	315.7	324.9	338.6	340.9	331.7	329.5
55°	2183.9	1891.9	1002.2	450.2	337.1	317.2	324.9	336.3	334.8	322.5	320.3
57.5°	2433.1	2067.0	1026.6	432.6	334.1	319.6	328.0	337.9	334.8	323.4	321.0
60°	2624.2	2187.0	1012.8	414.3	331.0	323.4	333.3	343.2	343.2	334.1	333.3
62.5°	2774.0	2258.8	980.0	395.2	328.7	326.4	340.1	354.7	357.7	350.9	350.1
65°	2807.7	2229.7	916.6	376.9	325.6	328.7	349.3	367.6	370.0	363.0	362.3
67°	2728.9	2130.4	838.5	361.6	321.0	329.5	355.5	375.3	378.4	371.5	369.2
67.5°	2694.6	2091.4	818.7	357.7	319.6	329.5	356.2	376.0	379.9	373.1	370.7
70°	2430.8	1859.8	712.4	336.3	309.5	325.6	357.7	381.5	383.7	375.3	372.3
72.5°	2014.2	1499.7	589.3	315.7	297.4	315.7	352.4	377.6	376.9	364.6	362.3
75°	1596.8	1175.7	474.6	292.1	280.5	300.4	337.9	360.1	355.5	340.9	337.9
77.5°	1213.1	879.0	386.1	268.3	261.5	280.5	313.4	329.5	320.3	306.5	303.5
80°	864.5	632.9	314.1	246.1	240.8	257.6	282.8	291.2	285.1	272.1	268.3
82.5°	604.7	454.8	261.5	223.9	221.0	233.9	250.0	258.4	255.3	243.9	240.8
85°	418.1	318.0	220.1	201.8	200.3	209.4	219.4	224.7	227.0	221.0	217.1
87.5°	281.3	233.9	187.3	177.4	178.1	184.9	191.9	197.2	204.1	203.4	199.5
90°	201.0	175.0	156.7	152.1	153.6	161.3	164.4	167.4	175.8	175.8	173.5
92.5°	143.7	133.0	126.8	125.3	128.4	134.5	136.1	136.9	142.9	143.7	139.1
95°	102.4	97.1	99.3	100.9	103.9	109.4	108.5	106.3	109.4	109.4	105.5
97.5°	75.7	74.2	78.8	80.3	82.6	87.2	84.8	81.0	83.4	80.3	77.9
100°	58.1	58.1	63.4	64.2	65.8	68.0	67.3	64.2	65.0	61.2	59.6
102.5°	45.8	46.6	50.4	51.2	52.8	55.0	53.5	52.0	50.4	45.8	45.8
105°	35.9	36.7	39.8	40.5	42.0	44.3	43.6	41.3	39.0	35.2	35.2
107.5°	27.5	29.1	31.3	32.1	33.7	35.9	35.2	32.1	29.1	26.8	26.8



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CATALOG NUMBER: LXF.LXT-AF24-60-D-U-T4W-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	21.4	22.9	25.3	26.0	26.8	29.1	27.5	24.4	22.2	20.7	20.7
112.5°	17.6	18.3	20.7	21.4	22.2	23.7	22.2	19.1	16.8	16.1	16.1
115°	14.5	15.2	16.8	17.6	19.1	19.1	17.6	14.5	13.0	13.0	13.0
117.5°	12.3	13.0	14.5	15.2	15.2	16.1	13.8	11.5	9.9	10.7	10.7
120°	10.7	10.7	12.3	12.3	13.0	13.0	11.5	9.2	7.7	8.4	9.2
122.5°	9.2	9.2	9.9	10.7	10.7	10.7	9.2	7.7	6.1	6.9	7.7
125°	7.7	8.4	8.4	9.2	9.2	9.2	7.7	6.1	5.3	6.1	6.1
127.5°	7.7	7.7	7.7	7.7	7.7	7.7	6.1	4.6	4.6	5.3	5.3
130°	6.9	6.9	6.9	6.9	6.1	5.3	4.6	3.1	3.8	4.6	4.6
132.5°	6.1	6.1	6.1	5.3	4.6	3.8	3.1	2.3	2.3	3.8	3.8
135°	5.3	5.3	4.6	3.8	3.1	2.3	1.5	1.5	1.5	3.1	3.1
137.5°	4.6	4.6	3.8	3.1	2.3	1.5	0.7	0.0	0.7	1.5	1.5
140°	4.6	4.6	3.8	2.3	1.5	0.7	0.0	0.0	0.0	0.7	0.7
142.5°	3.8	3.8	3.1	1.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0
145°	3.1	3.1	2.3	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	2.3	2.3	2.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	2.3	2.3	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.5	1.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.5	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.7	0.7	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)