

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: P255169

Luminaire Tested: **LXF.LXT-AF24-60-D-U-T4W-TL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P255169
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-35)
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-TL-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6013.6 lumens
Efficiency: N/A
Efficacy: 94.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Short - 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

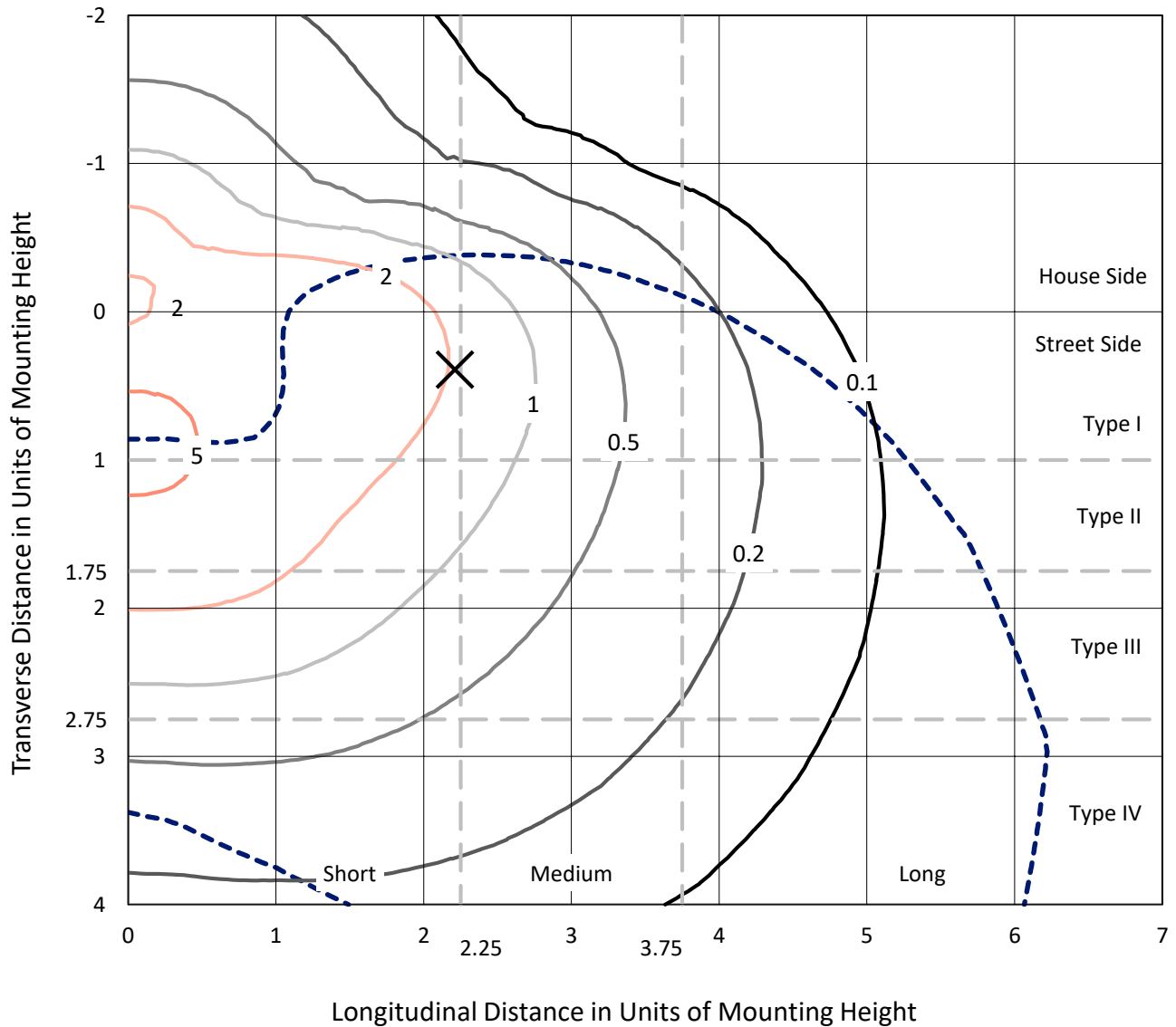


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

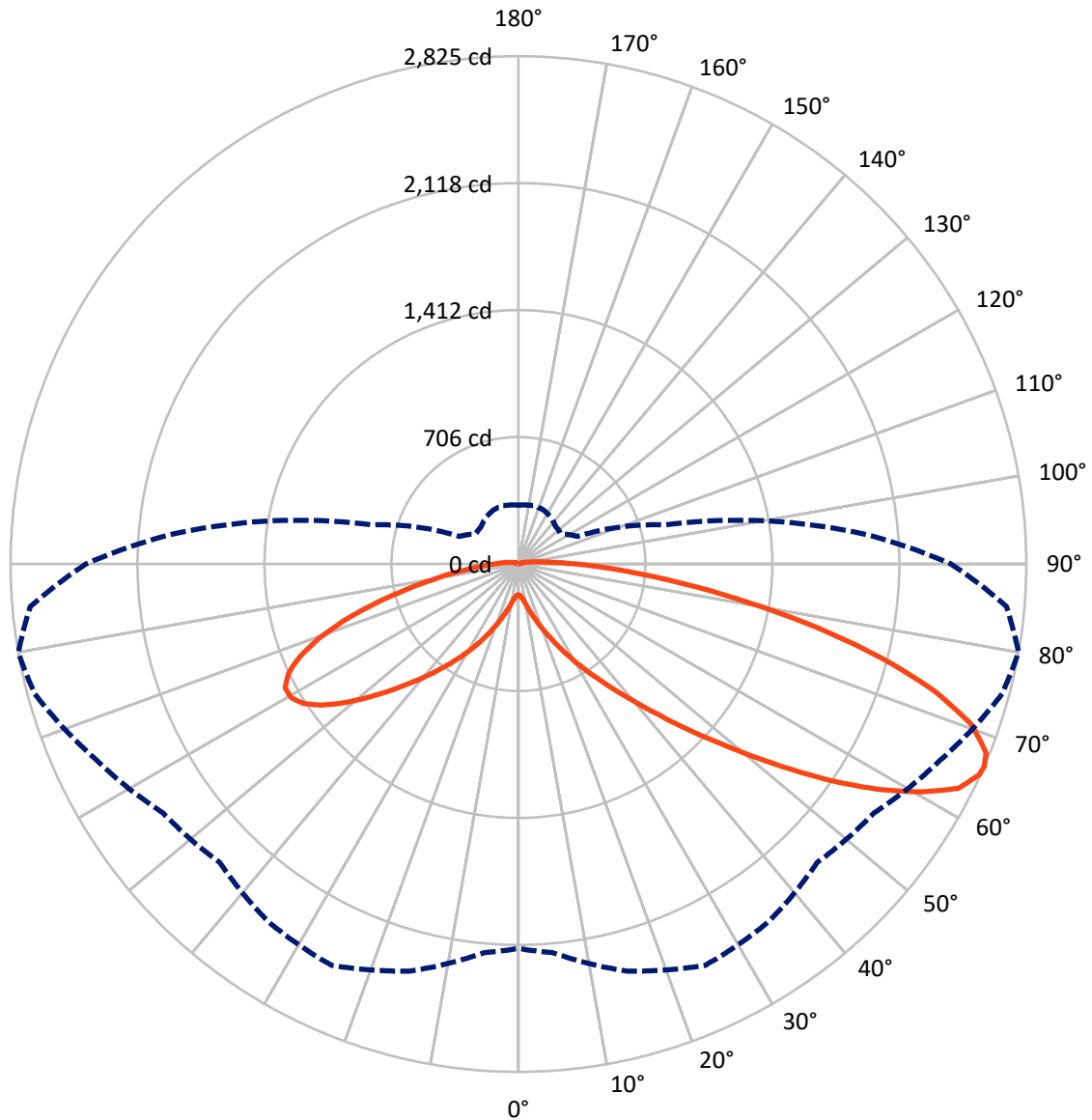


Based on 10 foot mounting height. Maximum calculated value = 6.2 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 80-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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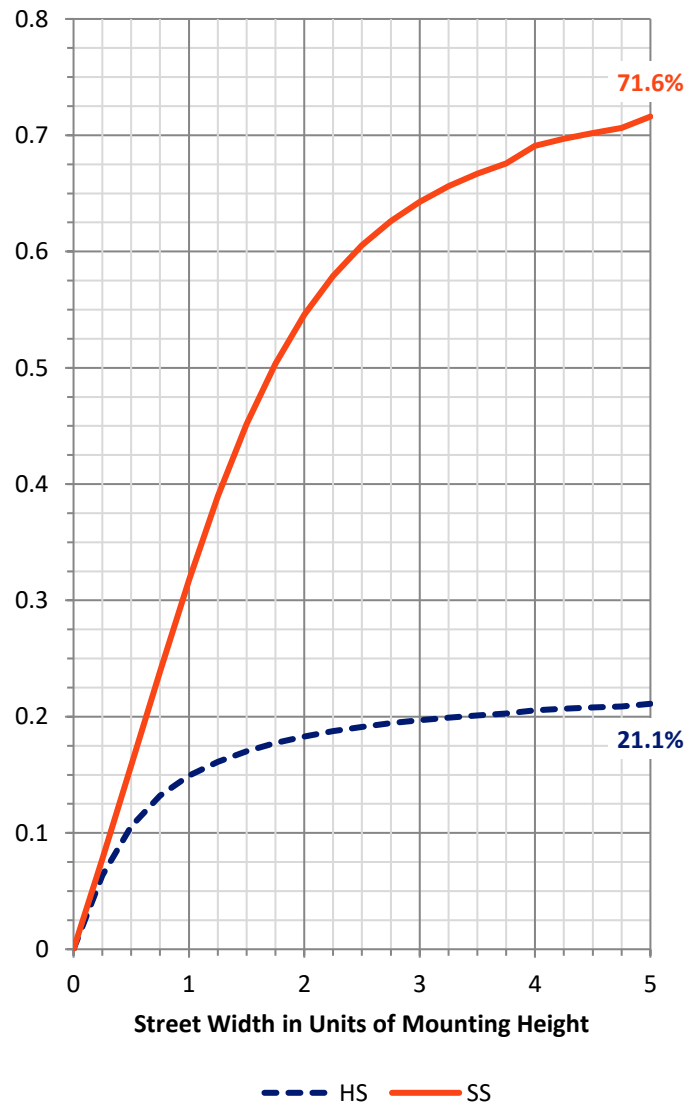
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1333.6	86.0	1419.6
	% Fixture	22.2	1.4	23.6
Street Side	Lumens	4478.9	115.1	4594.0
	% Fixture	74.5	1.9	76.4
Total	Lumens	5812.5	201.1	6013.6
	% Fixture	96.7	3.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.5	0.3
10°-20°	81.6	1.4
20°-30°	208.4	3.5
30°-40°	412.4	6.9
40°-50°	714.9	11.9
50°-60°	1140.0	19.0
60°-70°	1482.0	24.6
70°-80°	1225.8	20.4
80°-90°	528.8	8.8
90°-100°	137.9	2.3
100°-110°	40.6	0.7
110°-120°	15.2	0.3
120°-130°	5.2	0.1
130°-140°	1.7	0.0
140°-150°	0.4	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5812.5	96.7
0°-180°	6013.6	100.0



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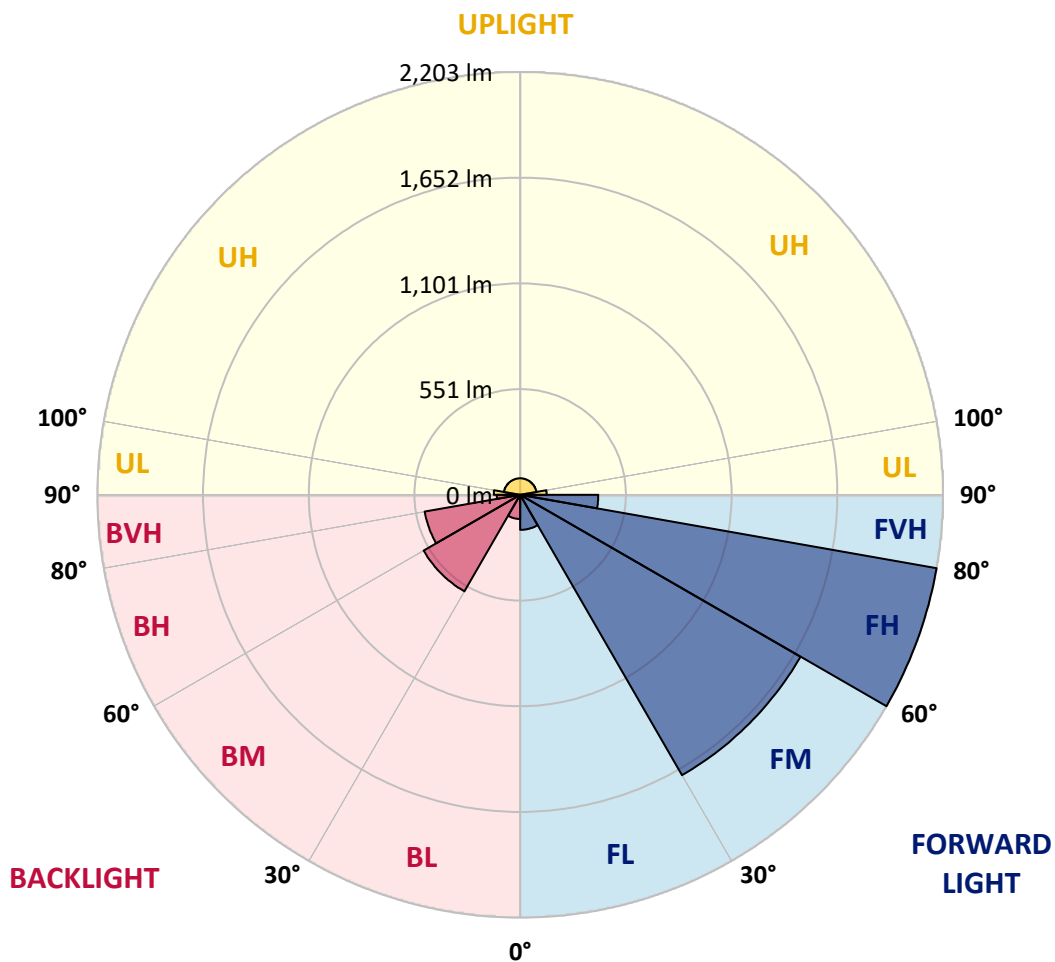
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	182.7	3.0			
FM (30°-60°)	1686.5	28.0			
FH (60°-80°)	2202.8	36.6			G2/5000
FVH (80°-90°)	407.0	6.8			G3/500
BL (0°-30°)	125.9	2.1	B1/500		
BM (30°-60°)	580.8	9.7	B1/1000		
BH (60°-80°)	505.0	8.4	B2/1000		G2/1000
BVH (80°-90°)	121.8	2.0			G2/225
UL (90°-100°)	137.9	2.3		U3/500	
UH (100°-180°)	86.0	1.4		U3/500	

BUG Rating: B2-U3-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	80°	85°
0°	172.0	172.0	172.0	172.0	172.0	172.0	172.0	172.0	172.0	172.0	172.0
2.5°	184.3	183.5	184.3	184.3	183.5	182.9	180.8	179.1	177.1	175.6	175.0
5°	199.5	198.8	198.8	198.8	198.0	196.5	193.7	190.7	187.9	185.7	184.9
7.5°	221.1	218.9	218.9	218.3	216.8	214.7	211.1	208.1	205.3	201.7	200.2
10°	250.7	249.3	247.2	245.8	242.1	240.0	235.6	231.9	229.9	226.9	224.1
12.5°	286.2	288.3	287.0	281.2	276.8	273.1	267.4	265.3	263.1	259.5	257.3
15°	332.4	333.9	330.3	324.5	317.3	312.9	307.1	302.1	300.7	296.3	293.5
17.5°	385.2	388.1	382.3	373.6	364.3	354.1	349.8	344.7	342.5	338.2	335.3
20°	448.1	451.0	443.0	430.1	416.3	401.8	396.8	391.0	390.3	385.9	383.7
22.5°	521.8	524.0	511.7	492.9	473.4	454.6	446.7	440.9	441.6	438.0	437.2
25°	607.1	607.8	590.4	565.9	536.3	511.0	500.1	497.2	500.1	498.0	496.5
27.5°	703.2	702.5	686.5	648.4	603.4	568.8	555.8	556.4	563.0	564.5	564.5
30°	809.5	812.4	785.6	735.8	677.2	629.6	615.7	618.6	637.4	637.4	637.4
32.5°	933.1	932.3	901.9	829.8	756.7	698.1	680.1	683.0	706.2	717.0	713.4
35°	1071.1	1069.6	1032.1	939.5	843.5	771.2	746.6	760.3	792.1	804.3	801.5
37.5°	1219.3	1219.3	1175.2	1061.7	938.1	850.7	824.0	839.1	883.9	904.1	893.3
40°	1370.9	1371.8	1319.8	1199.7	1045.8	937.3	907.1	933.7	996.7	1016.2	1008.9
42.5°	1522.8	1518.4	1470.1	1336.4	1161.4	1034.9	998.1	1042.9	1119.5	1147.0	1136.9
45°	1676.0	1673.1	1629.0	1480.1	1287.9	1140.4	1102.2	1160.0	1259.8	1303.8	1293.7
47.5°	1824.2	1824.2	1783.0	1624.6	1425.3	1260.5	1225.8	1297.4	1423.7	1472.2	1474.4
50°	1963.7	1965.8	1930.4	1783.0	1565.4	1392.7	1362.4	1455.6	1620.5	1673.1	1676.7
52.5°	2093.7	2099.5	2076.5	1947.8	1722.3	1540.1	1518.4	1624.0	1817.0	1894.3	1903.8
55°	2209.4	2211.5	2208.6	2100.9	1883.4	1694.8	1687.6	1814.0	2051.2	2134.3	2134.3
57.5°	2290.4	2303.4	2330.1	2242.6	2051.2	1864.0	1862.6	2011.4	2265.8	2364.8	2359.0
60°	2327.2	2341.7	2409.6	2369.2	2206.5	2033.8	2048.9	2217.3	2494.2	2573.7	2568.5
62.5°	2304.1	2322.9	2433.4	2453.6	2330.1	2192.1	2220.9	2402.4	2654.6	2747.9	2691.5
65°	2197.1	2224.6	2379.2	2472.4	2411.8	2312.8	2367.6	2547.6	2764.5	2819.4	2734.1
66°	2138.5	2168.9	2343.8	2461.6	2427.6	2348.2	2413.2	2585.9	2785.4	2824.5	2725.5
67.5°	2041.0	2065.5	2265.8	2422.6	2434.9	2395.8	2467.4	2623.6	2779.7	2805.7	2678.5
70°	1813.3	1843.7	2064.9	2301.2	2398.0	2426.2	2505.0	2619.2	2708.9	2672.7	2503.5
72.5°	1536.5	1584.3	1804.0	2092.4	2281.7	2380.0	2466.0	2524.6	2520.9	2422.6	2220.9
75°	1223.6	1253.2	1485.9	1798.2	2063.4	2246.3	2332.2	2322.2	2231.8	2084.3	1858.2
77.5°	913.5	943.1	1149.9	1457.7	1761.3	1992.6	2070.7	2026.5	1858.8	1695.4	1476.5
80°	643.2	669.2	842.0	1129.6	1423.1	1661.7	1726.7	1663.7	1458.5	1296.6	1110.1
82.5°	438.6	450.2	594.8	844.1	1109.4	1312.5	1375.3	1294.4	1098.6	944.6	799.3
85°	269.6	286.2	404.0	601.4	815.9	972.1	1021.2	957.6	789.2	666.4	550.7
87.5°	157.6	166.9	250.1	405.5	586.8	714.8	740.1	680.8	541.4	451.0	365.7
90°	84.5	91.8	143.7	252.9	398.2	494.4	513.2	458.3	354.1	287.7	234.2
92.5°	49.8	54.2	86.0	152.5	255.1	325.3	338.2	294.1	222.6	184.3	153.2
95°	32.6	35.4	56.4	95.4	156.8	206.0	212.5	182.1	141.0	121.4	106.2
97.5°	23.8	25.3	40.4	65.0	99.0	126.5	131.5	112.7	93.2	83.8	75.9
100°	18.8	20.2	31.0	47.7	66.5	81.6	83.1	73.8	64.4	59.2	56.4
102.5°	16.0	16.6	25.3	37.5	49.8	57.8	58.6	52.0	45.6	42.6	41.9
105°	13.7	14.4	21.7	31.0	39.8	44.8	44.8	39.0	33.3	31.0	31.8
107.5°	11.6	12.2	18.0	26.0	33.3	36.8	36.2	30.4	24.6	22.4	23.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	80°	85°
110°	10.2	10.8	16.0	22.4	29.0	31.0	29.6	23.8	17.4	16.0	16.6
112.5°	9.4	9.4	13.7	19.5	24.6	26.0	23.8	18.0	12.2	11.6	12.2
115°	7.9	8.6	11.6	16.6	20.2	21.7	19.5	13.7	8.6	8.6	9.4
117.5°	7.2	7.9	10.2	13.7	17.4	18.0	16.0	10.8	6.5	6.5	7.2
120°	6.5	6.5	8.6	11.6	14.4	14.4	12.2	7.9	5.0	5.0	5.8
122.5°	5.8	6.5	7.2	9.4	11.6	11.6	9.4	5.8	4.4	4.4	5.0
125°	5.0	5.8	6.5	7.9	9.4	9.4	7.2	4.4	3.6	4.4	4.4
127.5°	5.0	5.0	5.8	6.5	7.9	7.2	5.8	2.8	3.6	3.6	4.4
130°	4.4	4.4	5.0	5.0	5.8	5.8	4.4	2.8	2.8	3.6	3.6
132.5°	3.6	3.6	4.4	4.4	5.0	4.4	2.8	2.1	2.8	2.8	3.6
135°	2.8	2.8	2.8	3.6	3.6	2.8	2.1	2.1	2.8	2.8	2.8
137.5°	2.8	2.1	2.8	2.8	2.1	1.4	1.4	1.4	2.1	2.8	2.8
140°	1.4	1.4	1.4	1.4	1.4	0.8	0.8	1.4	2.1	2.1	2.8
142.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.4	1.4	2.1	2.1
145°	0.0	0.0	0.8	0.8	0.0	0.0	0.8	0.8	1.4	1.4	2.1
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.4	1.4	1.4
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	1.4
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
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°	172.0	172.0	172.0	172.0	172.0	172.0	172.0	172.0	172.0	172.0	172.0
2.5°	174.2	173.5	171.3	169.8	168.4	166.9	166.9	166.9	166.2	165.5	165.5
5°	183.5	182.1	179.1	176.4	172.7	169.8	168.4	167.7	166.2	164.8	164.8
7.5°	198.8	196.5	191.5	185.7	182.1	177.8	176.4	175.0	172.7	171.3	170.6
10°	221.9	218.3	210.4	203.1	195.9	190.1	187.9	186.5	184.9	184.9	184.9
12.5°	252.9	248.7	238.5	225.5	216.8	208.1	205.3	204.6	205.3	206.0	206.0
15°	289.1	281.9	268.9	251.6	239.3	229.9	226.9	226.9	228.4	229.1	229.1
17.5°	331.0	322.4	300.7	280.5	263.8	253.7	249.3	249.3	252.3	253.7	254.3
20°	375.1	365.7	341.1	308.6	287.7	276.1	271.1	271.7	275.4	278.9	279.7
22.5°	425.7	414.8	378.0	338.2	310.8	295.5	289.9	291.9	297.7	302.8	304.3
25°	483.5	469.9	421.3	370.1	331.7	311.5	307.1	311.5	320.1	326.6	327.4
27.5°	546.4	529.1	465.5	398.9	347.7	321.7	318.7	327.4	337.5	345.5	346.9
30°	616.4	594.8	511.7	424.3	359.9	329.5	326.6	338.2	350.5	359.9	361.3
32.5°	694.6	665.0	556.4	445.9	367.1	332.4	331.0	344.7	359.9	369.3	370.7
35°	779.1	740.1	604.2	463.3	370.1	331.7	331.0	346.9	362.8	372.2	372.9
37.5°	873.1	825.4	649.8	476.3	369.3	328.9	328.9	345.5	360.7	369.3	369.3
40°	981.4	917.9	699.6	485.0	365.7	323.7	324.5	339.7	354.1	359.9	360.7
42.5°	1105.0	1024.9	745.1	488.6	358.5	318.1	318.1	333.1	344.7	347.7	347.7
45°	1246.7	1144.1	795.0	487.9	351.3	311.5	312.3	325.3	333.9	334.7	333.9
47.5°	1416.5	1282.1	842.0	485.0	341.1	305.0	307.1	318.7	325.3	324.5	323.7
50°	1603.1	1431.0	888.3	478.4	332.4	300.7	303.5	314.3	320.1	318.1	316.6
52.5°	1804.6	1586.5	929.5	468.2	323.1	297.0	302.1	312.9	318.1	314.3	314.3
55°	2013.5	1740.4	961.9	453.2	315.1	294.9	302.8	312.9	318.7	315.1	315.1
57.5°	2202.8	1872.6	977.1	435.8	308.6	294.1	304.3	316.6	321.7	318.7	318.7
60°	2351.8	1965.1	967.1	415.6	302.1	293.5	307.1	320.9	326.6	323.1	323.1
62.5°	2440.7	2006.3	930.9	393.9	297.0	294.1	311.5	327.4	331.7	327.4	325.9
65°	2437.0	1963.7	870.1	370.7	291.9	294.1	314.3	331.0	334.7	329.5	327.4
66°	2405.3	1926.8	839.1	362.0	290.5	293.5	315.1	331.0	335.3	329.5	327.4
67.5°	2345.2	1851.0	787.8	348.3	287.0	292.7	315.9	331.7	334.7	329.5	326.6
70°	2155.9	1682.5	691.6	325.3	280.5	289.1	313.7	329.5	331.7	327.4	324.5
72.5°	1872.6	1443.4	594.1	302.1	271.7	281.2	307.9	322.4	325.9	321.7	318.7
75°	1538.7	1170.8	496.5	279.7	258.7	269.6	296.3	310.8	315.1	311.5	307.9
77.5°	1196.2	896.2	403.2	258.1	243.5	255.1	280.5	293.5	297.7	293.5	291.2
80°	887.5	662.7	323.7	234.9	226.1	237.1	260.9	272.5	276.8	271.7	270.3
82.5°	636.8	480.6	258.1	209.6	205.3	215.3	237.1	247.2	250.7	247.9	242.9
85°	425.7	331.0	203.8	182.1	182.9	192.3	210.4	216.8	221.1	218.3	213.9
87.5°	288.3	226.9	161.1	154.7	156.8	163.4	180.0	184.9	187.9	184.3	183.5
90°	187.9	156.8	128.0	130.8	133.8	138.8	148.9	151.1	154.7	151.1	150.3
92.5°	128.0	114.9	104.2	109.2	112.7	116.4	122.2	123.6	126.5	123.6	122.2
95°	94.0	88.9	84.5	91.0	94.7	96.8	100.4	99.8	101.9	99.0	97.6
97.5°	71.6	68.7	69.4	75.2	78.7	80.2	81.6	80.2	81.0	78.0	76.6
100°	55.6	54.2	56.4	62.2	65.0	65.0	65.8	64.4	62.9	60.0	57.8
102.5°	42.6	42.6	45.6	51.4	53.5	53.5	52.8	50.6	48.4	45.6	45.6
105°	32.6	33.3	37.5	42.6	44.1	43.3	43.3	40.4	37.5	34.0	34.0
107.5°	24.6	25.3	29.6	34.8	36.2	36.2	34.8	31.8	28.2	25.3	25.3



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CATALOG NUMBER: LXF.LXT-AF24-60-D-U-T4W-TL-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	18.0	19.5	23.8	28.2	29.6	29.0	28.2	24.6	21.0	18.8	18.0
112.5°	13.7	14.4	18.8	22.4	23.8	23.8	22.4	18.8	15.2	13.7	13.7
115°	10.2	11.6	14.4	18.0	18.8	18.8	17.4	14.4	10.8	9.4	10.2
117.5°	7.9	8.6	11.6	14.4	14.4	14.4	13.0	10.2	7.9	7.2	7.2
120°	6.5	7.2	8.6	10.8	10.8	10.8	9.4	7.2	5.8	5.0	5.8
122.5°	5.0	5.8	6.5	7.9	7.9	7.9	7.2	5.0	3.6	3.6	4.4
125°	5.0	5.0	5.0	5.8	5.8	5.8	5.0	3.6	2.8	2.8	2.8
127.5°	4.4	4.4	4.4	4.4	4.4	3.6	2.8	2.1	1.4	2.1	2.1
130°	4.4	4.4	3.6	3.6	2.8	2.1	1.4	0.8	0.8	1.4	1.4
132.5°	3.6	3.6	3.6	2.8	2.1	1.4	0.8	0.0	0.0	0.8	0.8
135°	3.6	3.6	2.8	2.1	1.4	0.8	0.0	0.0	0.0	0.0	0.0
137.5°	2.8	2.8	2.8	2.1	0.8	0.0	0.0	0.0	0.0	0.0	0.0
140°	2.8	2.8	2.1	1.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	2.1	2.1	2.1	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	2.1	2.1	1.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.4	1.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.8	0.8	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)