

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: P254908

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254908
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-30)
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-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6269.6 lumens
Efficiency: N/A
Efficacy: 98.0 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

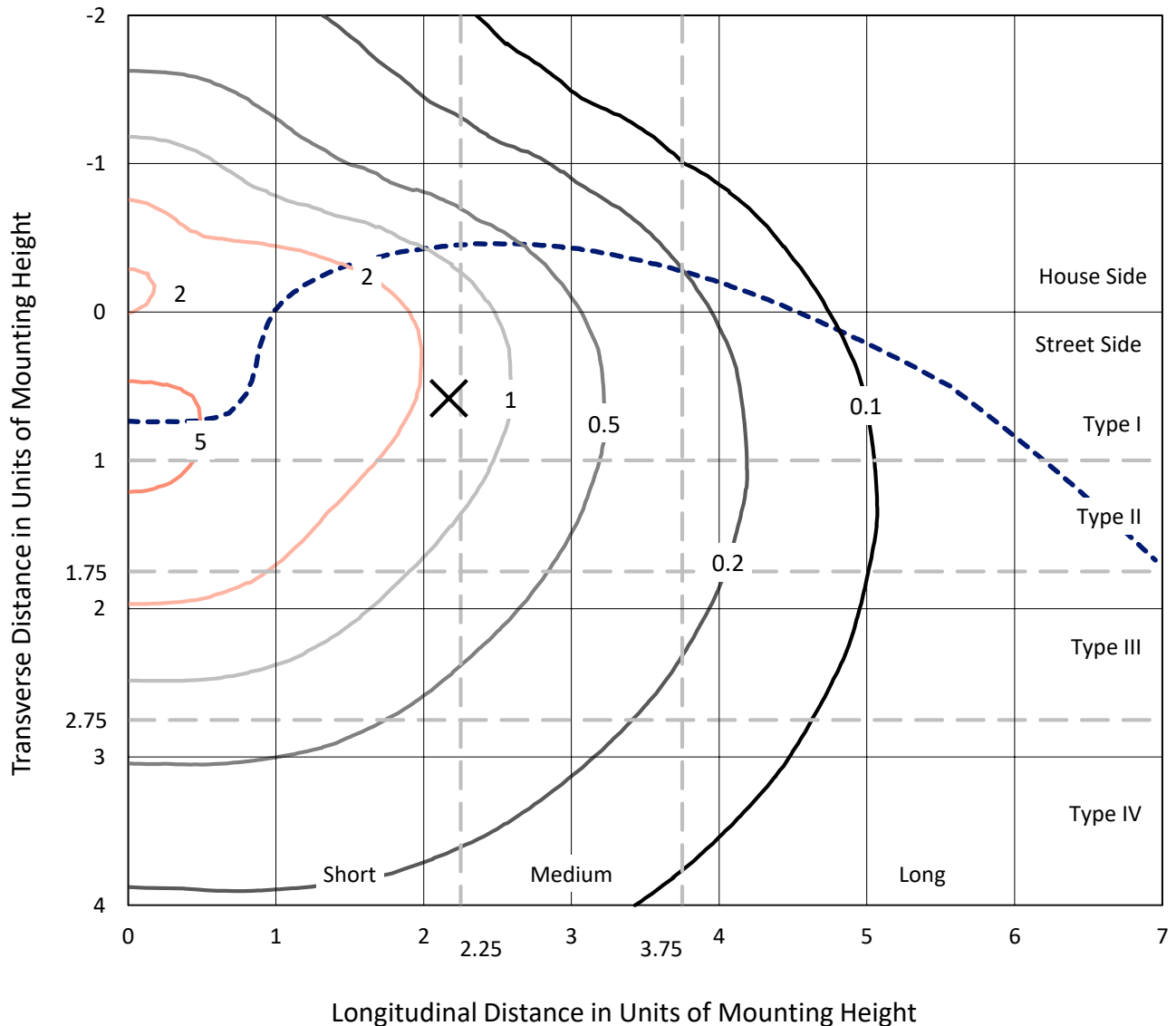
Input Watts (W): 64
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

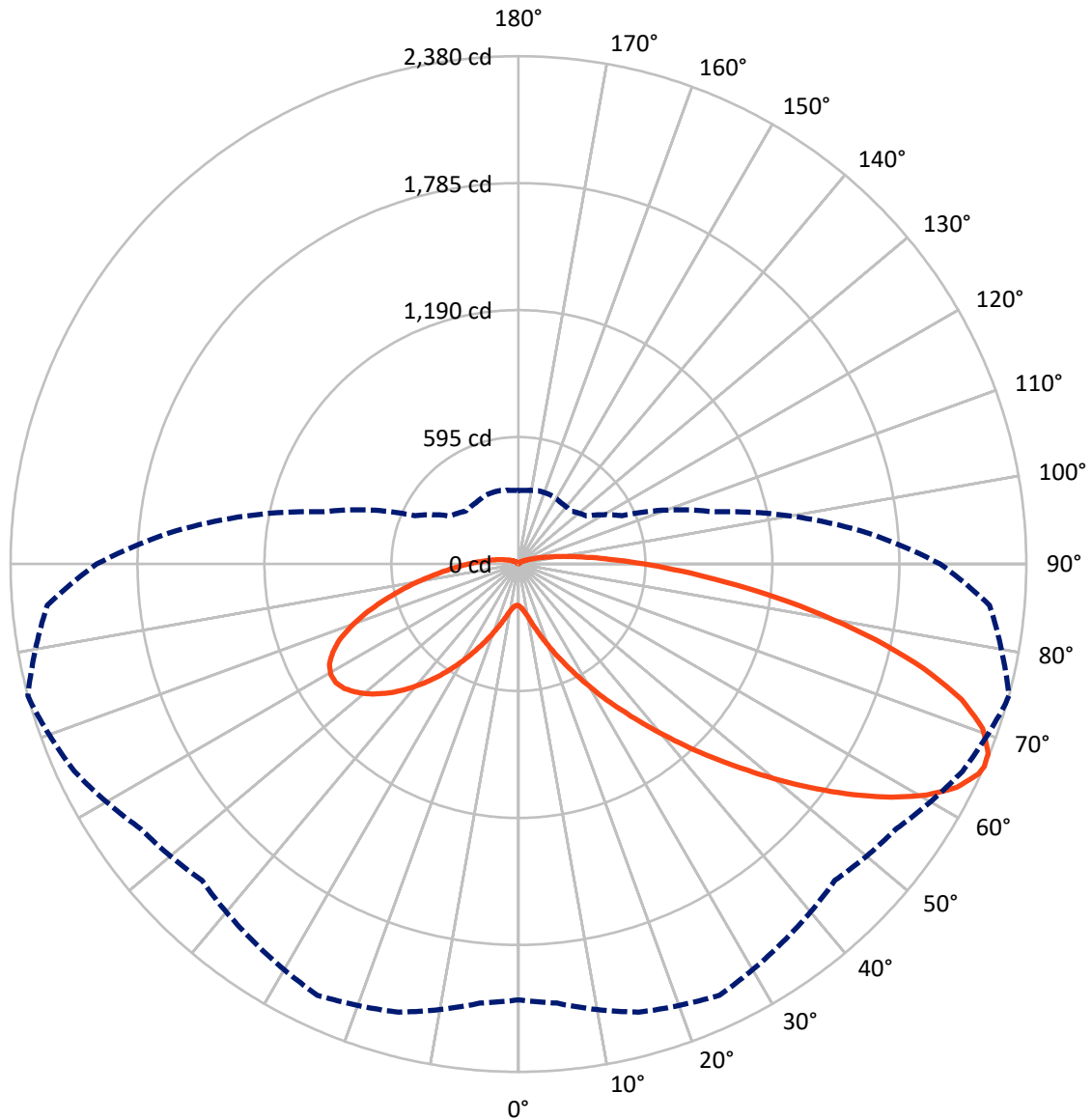


Based on 10 foot mounting height. Maximum calculated value = 6.2 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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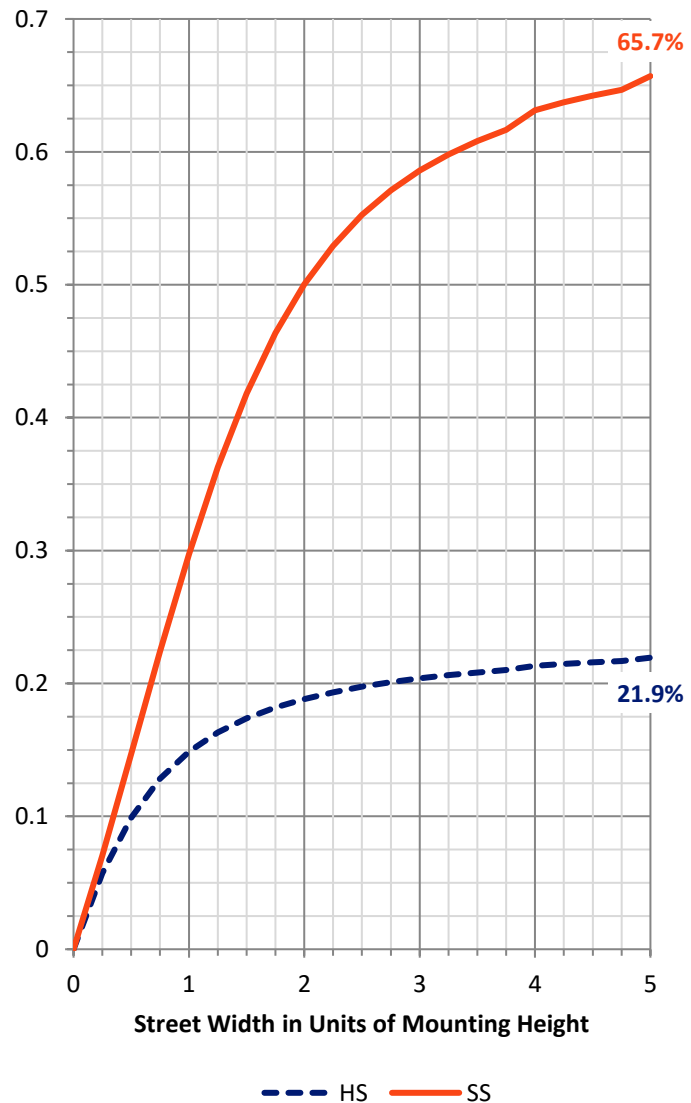
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1452.9	156.6	1609.4
	% Fixture	23.2	2.5	25.7
Street Side	Lumens	4356.5	303.7	4660.2
	% Fixture	69.5	4.8	74.3
Total	Lumens	5809.4	460.3	6269.6
	% Fixture	92.7	7.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.7	0.3
10°-20°	86.8	1.4
20°-30°	219.7	3.5
30°-40°	439.5	7.0
40°-50°	747.3	11.9
50°-60°	1112.0	17.7
60°-70°	1365.4	21.8
70°-80°	1174.2	18.7
80°-90°	643.7	10.3
90°-100°	268.6	4.3
100°-110°	109.7	1.8
110°-120°	48.3	0.8
120°-130°	22.1	0.4
130°-140°	9.1	0.1
140°-150°	2.2	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5809.4	92.7
0°-180°	6269.6	100.0



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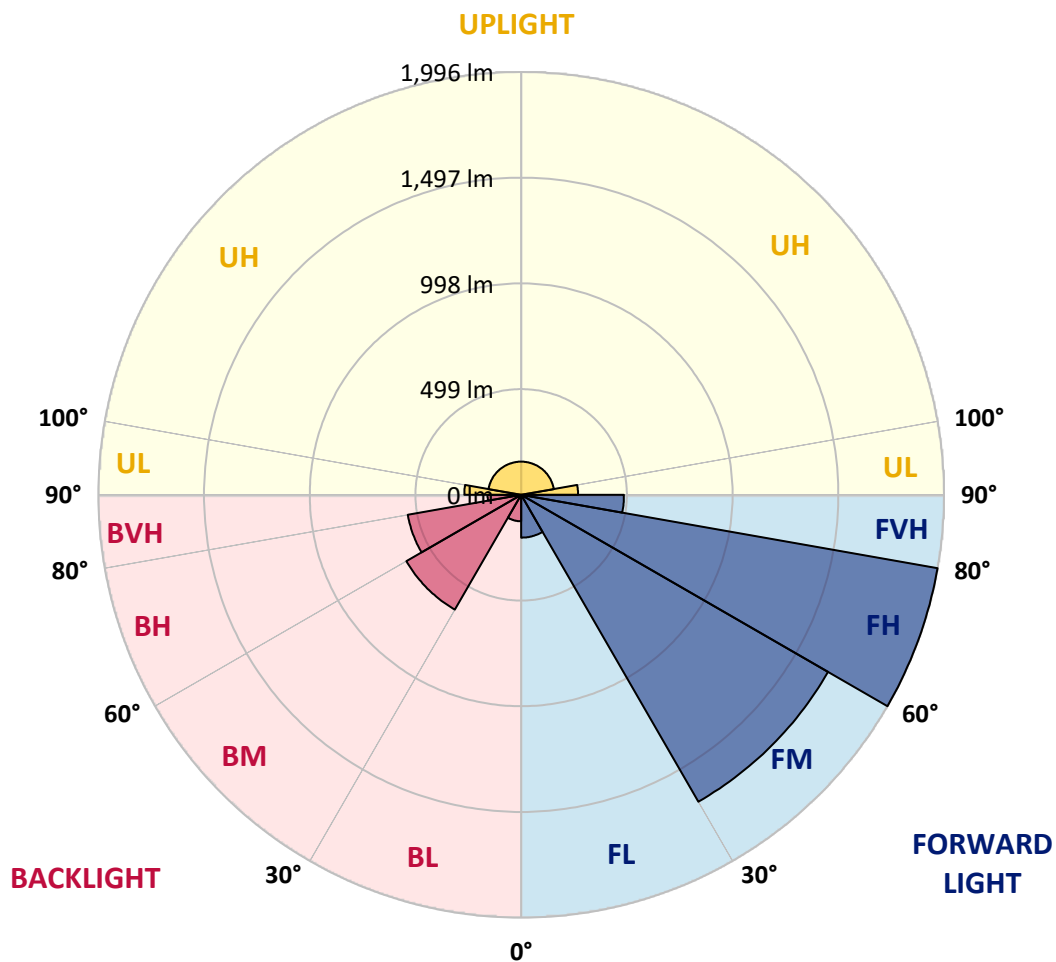
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	202.2	3.2			
FM (30°-60°)	1673.0	26.7			
FH (60°-80°)	1996.2	31.8			G2/5000
FVH (80°-90°)	485.0	7.7			G3/500
BL (0°-30°)	125.0	2.0	B1/500		
BM (30°-60°)	625.8	10.0	B1/1000		
BH (60°-80°)	543.4	8.7	B2/1000		G2/1000
BVH (80°-90°)	158.7	2.5			G2/225
UL (90°-100°)	268.6	4.3		U3/500	
UH (100°-180°)	156.6	2.5		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°	74°	75°	85°
0°	195.7	195.7	195.7	195.7	195.7	195.7	195.7	195.7	195.7	195.7	195.7
2.5°	215.6	215.6	214.8	214.8	212.6	210.2	208.7	204.9	202.6	202.6	199.6
5°	238.6	238.6	237.7	236.2	233.1	229.3	224.7	219.4	214.8	214.1	208.7
7.5°	266.8	266.8	265.3	262.2	257.7	252.3	246.2	238.6	231.7	230.2	222.5
10°	302.0	302.0	299.7	295.1	289.0	282.1	273.7	263.0	253.8	253.1	242.3
12.5°	346.4	344.0	342.5	334.8	326.4	317.3	307.3	294.3	285.2	285.2	270.7
15°	396.8	396.8	390.7	380.7	370.0	357.8	347.1	334.1	323.4	322.6	305.8
17.5°	452.6	451.8	445.0	432.7	418.2	406.0	392.2	377.7	365.4	365.4	345.6
20°	516.8	515.3	506.2	490.1	472.5	458.7	443.4	426.6	413.6	413.6	391.5
22.5°	590.2	587.2	575.7	553.5	535.9	516.1	498.5	481.6	467.9	469.4	444.2
25°	672.8	668.9	654.4	626.1	600.9	577.3	559.7	542.1	532.1	528.3	507.7
27.5°	766.1	758.4	742.4	706.4	670.4	641.4	623.1	610.1	600.9	597.8	574.2
30°	868.5	860.8	838.7	793.6	746.1	709.5	691.9	682.0	677.4	673.5	649.9
32.5°	985.5	977.0	946.4	889.9	828.7	782.9	766.1	761.5	761.5	758.4	734.7
35°	1112.4	1101.7	1065.0	993.9	916.7	861.6	845.6	847.8	848.6	846.3	826.4
37.5°	1247.7	1236.2	1192.7	1107.8	1011.5	945.7	929.7	940.4	955.6	947.3	926.6
40°	1386.8	1376.2	1329.5	1226.3	1110.8	1033.6	1017.5	1039.0	1063.5	1056.6	1033.6
42.5°	1525.2	1520.6	1461.8	1351.6	1217.1	1126.2	1114.7	1147.5	1181.2	1176.6	1151.3
45°	1675.8	1662.1	1604.7	1481.6	1331.1	1233.2	1220.2	1264.5	1310.4	1305.8	1280.5
47.5°	1811.1	1798.1	1743.8	1613.1	1445.7	1339.5	1331.1	1390.7	1448.8	1443.4	1418.2
50°	1925.1	1923.6	1877.6	1742.4	1566.5	1450.3	1449.5	1524.5	1595.6	1594.1	1561.9
52.5°	2034.3	2032.1	1990.0	1867.7	1687.3	1561.9	1568.1	1665.9	1750.8	1750.8	1707.9
55°	2118.5	2117.7	2093.3	1987.0	1806.5	1685.7	1703.3	1811.1	1908.2	1908.2	1865.5
57.5°	2177.4	2176.6	2173.6	2092.4	1921.2	1803.5	1831.0	1954.1	2059.6	2062.0	2005.3
60°	2191.2	2198.0	2228.6	2177.4	2023.7	1910.6	1948.0	2085.6	2194.1	2198.0	2120.8
62.5°	2166.6	2177.4	2239.2	2228.6	2101.7	2006.8	2053.5	2194.9	2299.7	2305.8	2199.5
65°	2085.6	2107.8	2202.6	2237.7	2150.5	2077.2	2139.1	2274.4	2361.6	2370.0	2224.7
66°	2042.0	2065.7	2174.3	2229.3	2161.3	2097.0	2162.1	2296.6	2374.6	2380.0	2216.3
67.5°	1959.5	1983.2	2111.6	2196.5	2161.3	2116.2	2181.1	2311.9	2372.3	2374.6	2186.6
70°	1782.1	1818.8	1962.5	2094.0	2117.0	2106.3	2180.4	2289.0	2316.5	2308.9	2072.6
72.5°	1587.1	1607.8	1765.3	1944.2	2021.4	2042.0	2126.9	2202.6	2184.2	2172.7	1901.4
75°	1331.1	1360.8	1532.9	1737.0	1854.7	1918.1	2009.2	2035.9	1990.0	1965.6	1675.8
77.5°	1111.6	1123.8	1284.4	1493.9	1649.1	1735.4	1821.1	1829.5	1734.7	1714.1	1413.6
80°	883.8	896.0	1043.6	1244.6	1412.8	1526.8	1601.6	1579.5	1460.3	1440.3	1168.9
82.5°	690.4	707.2	820.3	1012.2	1175.1	1295.1	1352.4	1316.5	1203.4	1175.1	931.2
85°	529.8	538.2	643.7	808.8	952.6	1061.9	1109.3	1069.6	948.0	925.9	731.6
87.5°	403.7	412.0	501.6	631.5	758.4	851.7	888.3	837.9	739.3	724.8	568.0
90°	308.1	314.3	385.3	496.9	594.8	672.0	697.2	657.5	569.6	556.6	437.3
92.5°	236.2	241.6	296.7	385.3	465.5	531.3	542.1	504.6	436.5	425.0	336.3
95°	181.2	187.3	231.7	301.3	363.9	413.6	421.3	389.1	334.8	325.7	259.2
97.5°	142.2	144.5	182.0	238.6	289.8	324.2	327.2	302.8	256.1	250.0	199.6
100°	114.0	115.5	144.5	188.8	230.9	256.1	257.7	232.4	196.5	191.9	152.9
102.5°	92.5	94.0	116.2	152.1	183.5	204.1	203.4	183.5	152.1	146.0	119.3
105°	76.4	77.2	94.8	123.9	149.0	162.9	162.0	143.0	116.9	113.1	93.3
107.5°	64.2	65.0	77.9	101.0	122.3	133.8	131.4	112.4	90.9	88.7	74.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	54.3	55.0	65.0	84.1	103.2	110.9	107.8	89.4	71.9	68.8	59.6
112.5°	47.4	47.4	55.0	70.4	86.4	93.3	88.7	72.6	56.6	55.0	48.9
115°	41.3	42.0	47.4	59.6	73.3	77.9	73.3	58.1	45.8	44.3	40.5
117.5°	36.7	36.7	41.3	50.4	61.9	65.0	60.4	47.4	37.4	36.7	34.4
120°	32.8	32.8	35.9	42.9	52.0	55.0	50.4	39.0	30.6	29.8	29.1
122.5°	29.8	29.8	31.3	36.7	44.3	45.8	41.3	32.1	26.0	25.3	25.3
125°	26.8	26.8	27.5	31.3	37.4	39.0	34.4	26.0	22.2	21.4	21.4
127.5°	24.4	24.4	24.4	27.5	30.6	32.1	28.3	21.4	18.3	18.3	19.1
130°	22.2	22.2	22.2	22.9	25.3	26.0	22.9	17.6	16.1	16.1	16.1
132.5°	19.8	19.8	19.1	19.8	20.7	20.7	17.6	14.5	13.8	13.8	14.5
135°	17.6	17.6	16.8	16.8	16.8	16.1	13.8	11.5	11.5	11.5	12.3
137.5°	15.2	15.2	14.5	13.8	13.0	11.5	9.9	9.2	9.2	9.2	9.9
140°	13.0	13.0	12.3	10.7	9.2	8.4	6.9	6.9	7.7	7.7	7.7
142.5°	9.9	9.9	9.2	8.4	6.9	5.3	4.6	4.6	5.3	5.3	6.1
145°	7.7	7.7	6.9	5.3	3.8	3.1	2.3	3.1	3.8	3.8	4.6
147.5°	5.3	5.3	4.6	3.8	2.3	0.7	1.5	2.3	3.1	3.1	3.8
150°	3.1	3.1	2.3	1.5	0.0	0.0	0.7	1.5	2.3	2.3	2.3
152.5°	0.7	0.7	0.7	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	0.7	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	0.7
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
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°	195.7	195.7	195.7	195.7	195.7	195.7	195.7	195.7	195.7	195.7	195.7
2.5°	198.0	196.5	193.4	191.1	188.1	186.6	185.1	183.5	182.7	181.2	181.2
5°	204.9	202.6	197.2	192.6	187.3	183.5	179.6	177.4	175.8	175.0	175.0
7.5°	217.9	214.1	205.6	198.8	191.1	186.6	182.0	177.4	175.0	174.3	174.3
10°	236.2	231.7	220.1	210.2	200.3	193.4	188.8	183.5	181.2	179.6	179.6
12.5°	263.0	255.3	241.6	227.1	214.1	205.6	199.6	195.7	195.7	197.2	196.5
15°	296.7	288.3	268.3	250.0	232.4	221.0	217.2	216.4	216.4	217.2	217.2
17.5°	333.4	321.8	298.9	275.3	254.6	243.2	238.6	237.0	237.0	237.7	239.3
20°	377.7	363.1	334.1	303.5	281.3	267.6	260.8	258.4	259.9	263.0	263.0
22.5°	428.9	412.9	373.9	334.8	308.8	291.2	282.8	280.6	283.7	287.4	288.3
25°	487.7	466.4	417.5	369.3	335.6	313.4	305.0	302.0	306.6	311.2	313.4
27.5°	552.7	525.2	464.8	403.7	359.4	332.6	323.4	322.6	328.8	334.8	337.2
30°	624.6	591.0	515.3	439.6	383.8	349.3	339.4	341.8	348.6	356.3	357.8
32.5°	704.1	664.4	568.0	474.8	402.9	362.4	350.9	356.3	364.7	374.6	376.1
35°	790.5	742.4	623.9	507.7	419.7	372.4	360.9	367.8	377.0	387.6	389.1
37.5°	884.5	825.7	679.6	536.7	432.7	378.4	366.2	374.6	385.3	395.3	396.8
40°	982.4	912.1	735.5	562.7	441.9	382.3	368.5	377.7	388.4	396.0	397.5
42.5°	1093.2	1005.4	789.7	583.3	447.2	383.0	368.5	377.0	387.6	392.9	393.7
45°	1211.0	1104.0	843.2	600.2	449.6	382.3	366.2	375.4	383.8	386.1	386.9
47.5°	1333.3	1204.9	891.4	610.1	449.6	379.2	363.1	370.0	377.0	376.1	377.0
50°	1469.4	1310.4	936.5	616.2	446.5	375.4	360.1	365.4	370.0	366.2	366.9
52.5°	1597.8	1415.2	973.2	618.5	441.1	370.8	357.0	361.6	363.9	358.5	358.5
55°	1725.5	1513.8	1003.0	613.9	434.2	366.9	354.8	359.4	359.4	352.4	352.4
57.5°	1844.1	1597.8	1019.9	604.8	425.9	363.9	353.2	357.8	357.8	348.6	348.6
60°	1935.7	1658.2	1020.6	590.2	415.9	360.1	352.4	357.8	357.0	347.9	347.1
62.5°	1991.6	1685.0	1003.0	569.6	406.0	356.3	351.7	357.0	357.0	347.1	346.4
65°	1991.6	1667.4	964.8	545.1	394.4	351.7	350.2	357.0	355.5	346.4	344.8
66°	1976.2	1648.3	944.2	534.4	390.7	350.2	349.3	357.0	355.5	346.4	344.0
67.5°	1934.2	1602.5	910.5	516.8	381.5	346.4	347.9	354.8	353.9	344.0	342.5
70°	1812.0	1483.9	837.9	485.5	367.8	339.4	343.3	349.3	348.6	339.4	336.3
72.5°	1632.2	1328.0	755.3	451.8	352.4	330.3	334.8	340.9	339.4	331.8	328.8
75°	1420.5	1151.3	665.9	415.9	334.1	318.0	323.4	328.8	327.2	320.3	315.8
77.5°	1191.8	969.5	577.3	378.4	315.0	302.8	308.1	313.4	310.4	304.3	301.3
80°	967.9	793.6	493.2	340.9	292.8	285.2	290.5	292.1	289.8	284.4	280.6
82.5°	772.1	638.4	413.6	304.3	269.1	264.5	268.3	268.3	266.1	260.8	256.9
85°	606.3	509.1	347.9	267.6	245.4	242.3	244.7	242.3	239.3	233.9	230.9
87.5°	477.8	408.3	291.2	235.5	219.4	218.6	219.4	214.1	211.0	206.4	203.4
90°	373.1	320.3	243.2	204.9	195.7	195.0	193.4	188.1	181.2	176.6	174.3
92.5°	291.2	257.7	201.1	175.0	170.5	169.7	167.5	160.5	156.0	149.9	147.5
95°	230.9	205.6	166.6	151.4	149.0	148.3	145.3	137.6	131.4	125.4	123.9
97.5°	181.2	162.9	139.1	130.0	129.2	128.5	124.6	116.2	109.4	103.2	102.4
100°	142.2	130.7	116.2	111.6	111.6	110.9	107.0	98.6	90.2	84.1	83.4
102.5°	113.1	105.5	97.1	95.5	95.5	94.8	90.9	84.1	74.2	67.3	67.3
105°	90.2	85.6	81.0	81.8	82.6	81.8	77.9	69.6	59.6	54.3	54.3
107.5°	72.6	69.6	68.0	69.6	70.4	70.4	66.5	57.4	48.2	43.6	43.6



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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	58.8	57.4	57.4	58.8	60.4	60.4	55.9	48.2	39.0	35.2	35.2
112.5°	48.2	47.4	48.2	51.2	52.0	51.2	47.4	39.8	31.3	29.1	29.1
115°	40.5	40.5	41.3	43.6	45.1	43.6	39.8	32.1	25.3	23.7	23.7
117.5°	34.4	34.4	35.2	37.4	38.3	36.7	32.8	26.0	20.7	19.8	19.8
120°	29.1	29.1	29.8	31.3	32.1	30.6	26.8	21.4	16.8	16.1	16.8
122.5°	25.3	25.3	26.0	26.8	27.5	26.0	22.2	16.8	13.8	13.8	13.8
125°	22.2	22.2	22.2	22.9	22.9	21.4	18.3	13.8	10.7	11.5	11.5
127.5°	19.1	19.1	19.1	19.1	19.1	17.6	14.5	10.7	9.2	9.9	9.9
130°	16.8	16.8	16.1	16.1	15.2	14.5	11.5	8.4	7.7	8.4	8.4
132.5°	14.5	14.5	13.8	13.0	12.3	11.5	9.2	6.1	6.1	6.9	6.9
135°	12.3	12.3	11.5	10.7	9.9	8.4	6.1	4.6	4.6	5.3	5.3
137.5°	9.9	9.9	9.2	8.4	6.9	6.1	4.6	3.1	3.8	4.6	4.6
140°	7.7	7.7	6.9	6.1	4.6	3.1	2.3	2.3	2.3	3.1	3.1
142.5°	6.1	6.1	5.3	3.8	2.3	1.5	0.7	0.7	1.5	2.3	2.3
145°	4.6	4.6	3.8	3.1	1.5	0.7	0.0	0.0	0.7	0.7	0.7
147.5°	3.8	3.1	3.1	1.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0
150°	3.1	2.3	2.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.3	1.5	1.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.5	1.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.7	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)