

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: P255016

Luminaire Tested: **LXF.LXT-AF24-60-D-U-T2U-FL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P255016
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-32)
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-T2U-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6333.1 lumens
Efficiency: N/A
Efficacy: 99.0 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: B2 - U3 - G3

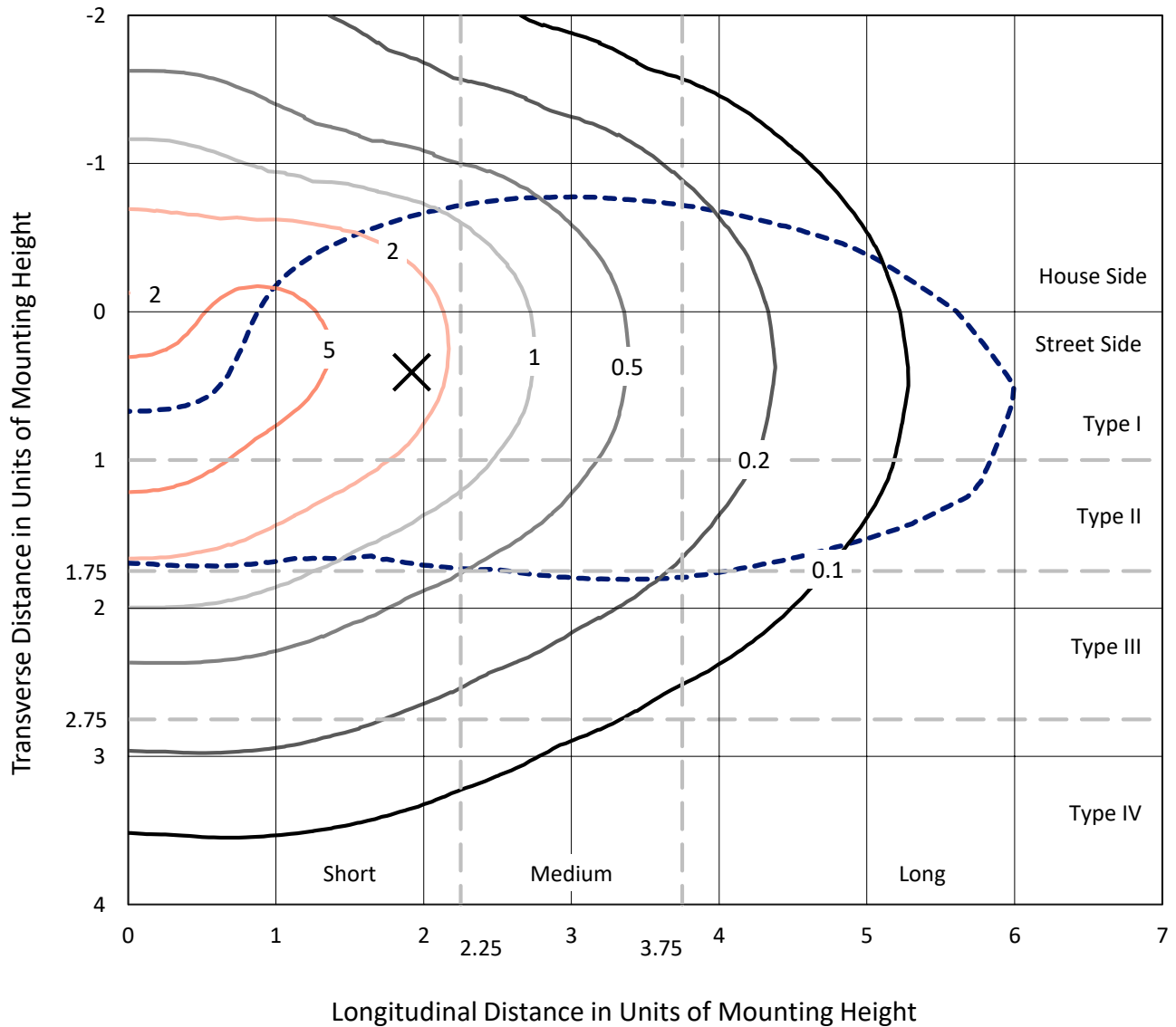
Input Watts (W): 64
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

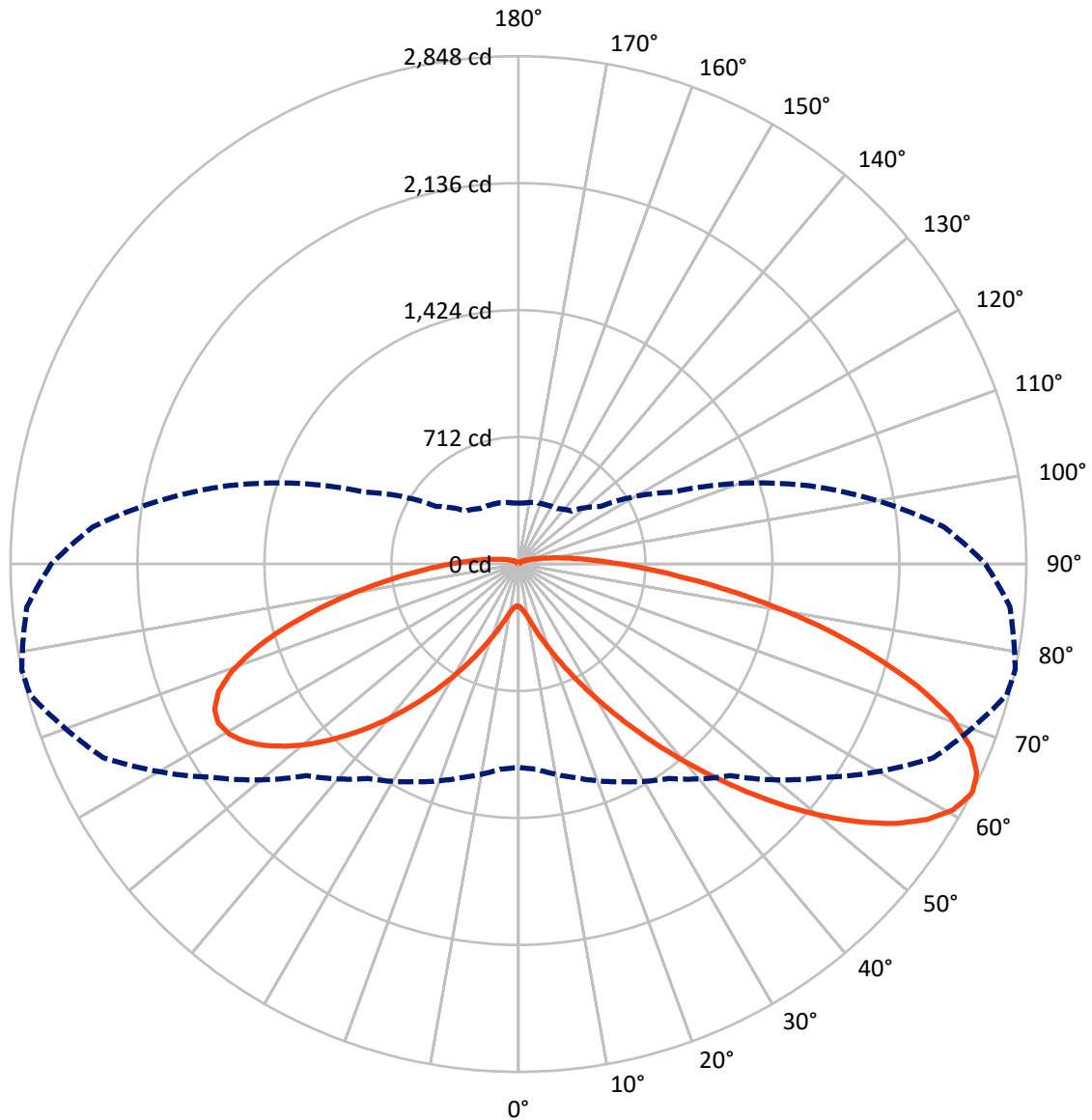
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.3 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 63-Deg Vertical

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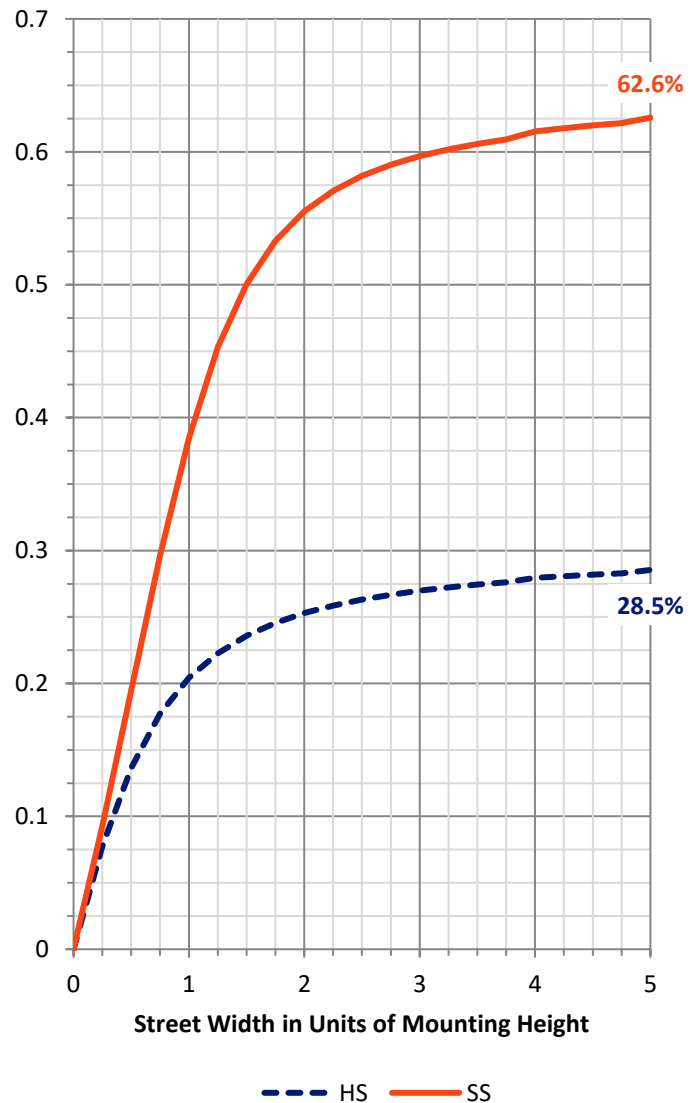
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1881.2	172.0	2053.2
	% Fixture	29.7	2.7	32.4
Street Side	Lumens	4066.9	213.0	4279.9
	% Fixture	64.2	3.4	67.6
Total	Lumens	5948.1	384.9	6333.1
	% Fixture	93.9	6.1	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.2	0.4
10°-20°	107.9	1.7
20°-30°	282.1	4.5
30°-40°	585.8	9.2
40°-50°	986.7	15.6
50°-60°	1296.9	20.5
60°-70°	1284.1	20.3
70°-80°	914.2	14.4
80°-90°	465.3	7.3
90°-100°	202.4	3.2
100°-110°	92.6	1.5
110°-120°	47.1	0.7
120°-130°	25.1	0.4
130°-140°	12.5	0.2
140°-150°	4.5	0.1
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5948.1	93.9
0°-180°	6333.1	100.0



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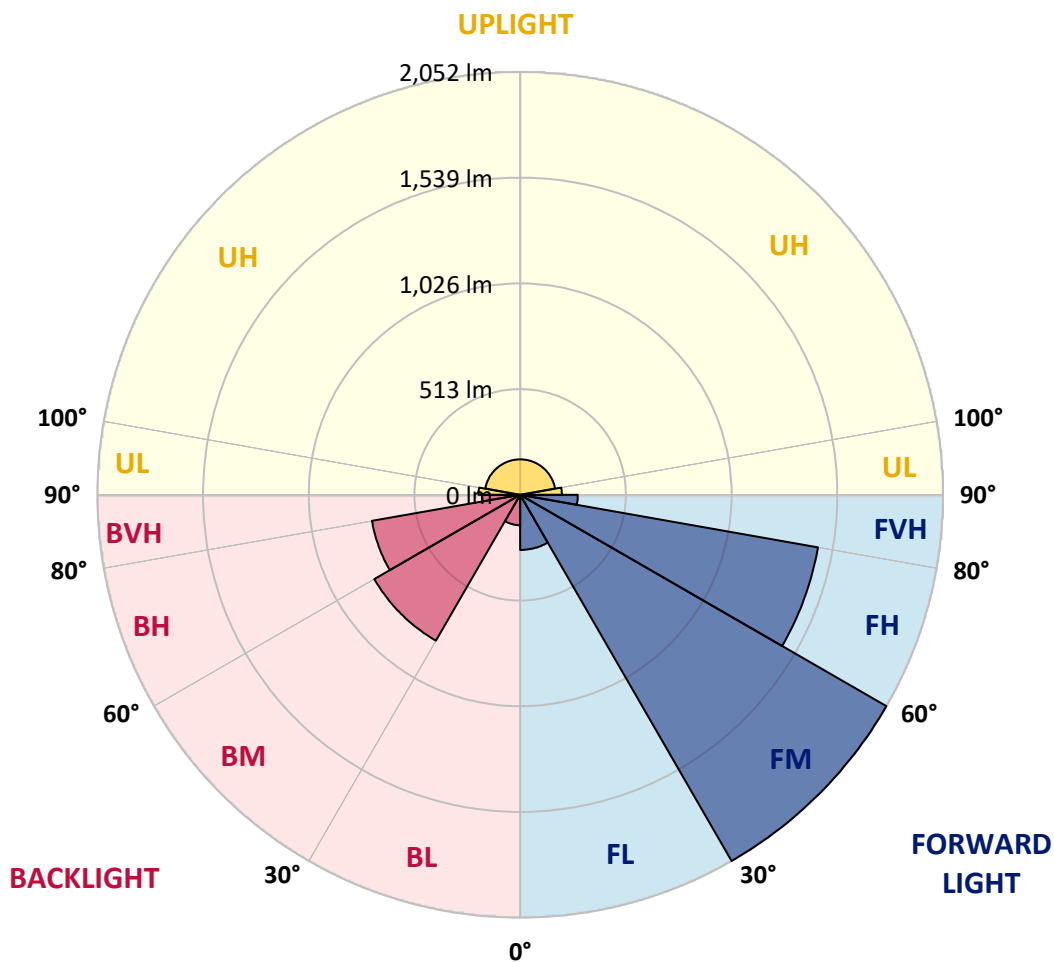
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	267.7	4.2			
FM	(30°-60°)	2052.1	32.4			
FH	(60°-80°)	1467.7	23.2			G1/1800
FVH	(80°-90°)	279.4	4.4			G3/500
BL	(0°-30°)	147.6	2.3	B1/500		
BM	(30°-60°)	817.2	12.9	B1/1000		
BH	(60°-80°)	730.6	11.5	B2/1000		G2/1000
BVH	(80°-90°)	185.9	2.9			G2/225
UL	(90°-100°)	202.4	3.2		U3/500	
UH	(100°-180°)	172.0	2.7		U3/500	

BUG Rating: B2-U3-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	237.0	237.0	237.0	237.0	237.0	237.0	237.0	237.0	237.0	237.0	237.0
2.5°	263.0	263.7	263.7	262.3	260.8	257.7	254.6	250.7	245.4	244.7	240.8
5°	294.3	295.1	294.3	291.3	288.3	282.8	276.8	269.9	260.8	259.9	253.1
7.5°	332.6	333.4	332.6	327.2	321.8	314.3	305.9	295.8	282.8	280.6	271.4
10°	380.0	381.5	379.2	374.6	365.5	353.9	343.3	328.8	315.0	309.6	298.2
12.5°	440.4	440.4	435.8	428.9	417.5	402.9	389.1	371.5	356.3	348.6	336.3
15°	507.7	508.4	502.3	493.9	481.7	459.5	444.2	425.9	406.7	399.9	382.3
17.5°	584.9	586.4	578.8	566.5	549.7	527.5	508.4	487.0	464.8	453.4	435.1
20°	675.0	675.0	666.7	650.6	629.2	604.8	580.3	555.8	531.3	517.6	498.5
22.5°	777.5	777.5	767.6	746.1	715.7	688.9	662.1	634.5	607.8	593.3	568.9
25°	896.0	900.6	881.5	854.8	820.3	782.9	756.2	724.0	695.0	678.9	652.1
27.5°	1029.8	1032.2	1008.4	968.6	924.3	885.4	855.5	826.4	794.3	777.5	745.4
30°	1173.5	1169.0	1147.5	1100.2	1042.1	994.6	964.8	938.0	901.4	888.4	853.2
32.5°	1328.0	1324.9	1297.4	1232.5	1169.7	1112.4	1080.3	1063.5	1026.7	1012.2	974.8
35°	1490.8	1485.5	1452.6	1384.6	1302.0	1239.3	1210.3	1201.9	1168.2	1153.7	1108.6
37.5°	1661.4	1649.1	1607.9	1521.4	1435.8	1369.3	1356.3	1344.1	1321.9	1306.6	1253.1
40°	1797.4	1792.1	1750.8	1660.6	1568.1	1512.2	1503.8	1512.2	1490.8	1473.3	1411.4
42.5°	1907.5	1903.7	1870.9	1782.2	1689.6	1638.4	1647.6	1675.1	1668.2	1650.6	1581.8
45°	1984.0	1980.1	1956.5	1880.0	1795.2	1757.6	1799.0	1849.4	1854.0	1839.5	1758.5
47.5°	2010.7	2008.5	1995.5	1939.6	1874.7	1865.5	1947.3	2026.8	2045.9	2033.6	1942.0
50°	1976.3	1977.9	1982.5	1957.2	1917.4	1943.5	2064.2	2195.8	2237.1	2223.3	2125.4
52.5°	1887.7	1893.0	1915.2	1923.6	1917.4	1984.0	2162.1	2348.7	2419.0	2403.7	2302.8
55°	1751.6	1759.2	1798.2	1841.8	1873.1	1980.9	2223.3	2477.9	2578.8	2568.1	2463.4
57.5°	1572.7	1587.9	1640.7	1717.9	1781.4	1933.5	2240.9	2566.6	2709.5	2701.9	2600.2
60°	1374.6	1387.6	1460.3	1561.2	1652.9	1841.0	2202.6	2604.7	2798.2	2800.5	2704.2
62.5°	1178.1	1192.7	1278.3	1383.0	1500.1	1708.0	2111.7	2581.8	2834.9	2846.4	2763.1
63°	1140.0	1154.5	1240.1	1347.1	1467.9	1678.2	2087.2	2568.8	2834.9	2847.9	2766.9
65°	991.6	1005.4	1090.3	1201.9	1329.5	1548.2	1968.7	2492.4	2804.3	2824.2	2760.7
67.5°	818.9	833.4	919.0	1029.1	1152.1	1364.7	1782.2	2334.9	2699.6	2735.5	2695.0
70°	672.8	688.0	766.1	870.0	984.7	1178.1	1568.8	2123.1	2531.4	2570.4	2555.1
72.5°	554.3	567.3	643.7	730.9	833.4	1005.4	1350.2	1867.8	2290.6	2338.0	2347.2
75°	452.7	466.4	533.7	611.6	701.8	846.4	1138.4	1597.8	1992.4	2058.2	2084.2
77.5°	369.3	382.3	441.9	509.9	586.4	704.9	943.5	1330.3	1686.5	1766.1	1799.7
80°	301.3	313.4	362.4	424.3	489.3	584.9	772.9	1071.8	1383.8	1455.7	1490.8
82.5°	244.7	255.3	298.2	352.4	407.5	484.7	630.8	857.8	1105.5	1166.0	1185.0
85°	197.2	206.4	244.7	292.1	338.7	398.3	509.9	678.1	864.7	912.1	935.8
87.5°	157.5	165.1	199.6	240.8	280.6	334.9	412.9	540.5	669.0	704.1	719.4
90°	127.7	133.8	162.0	197.2	233.2	272.9	334.9	420.5	514.5	539.8	550.4
92.5°	103.9	108.5	133.8	162.9	195.0	230.9	272.9	332.6	396.0	412.9	419.7
95°	87.2	88.7	110.9	136.1	162.0	192.6	223.2	264.5	305.9	317.3	320.4
97.5°	71.1	73.3	92.5	115.5	137.6	160.6	182.7	211.8	237.7	244.7	245.4
100°	61.2	61.9	77.9	98.6	117.7	136.1	152.1	169.7	185.1	187.3	188.8
102.5°	52.0	52.8	66.5	85.6	101.7	117.0	129.2	139.1	145.3	146.1	146.1
105°	45.1	45.8	57.4	74.2	88.7	100.1	110.1	114.0	115.5	114.7	114.7
107.5°	40.5	40.5	50.4	65.0	77.9	87.9	94.0	94.8	92.5	90.9	90.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
110°	35.9	36.7	44.3	58.1	69.6	77.2	81.8	79.5	74.9	73.3	73.3
112.5°	32.8	33.7	39.0	51.2	61.2	68.8	71.1	67.3	61.2	59.6	60.4
115°	30.6	30.6	35.2	45.1	55.0	61.2	61.9	57.4	50.4	49.7	50.4
117.5°	28.3	28.3	31.3	40.5	48.9	54.3	54.3	48.9	42.9	41.3	42.0
120°	26.8	26.8	29.1	35.9	43.6	48.2	47.4	42.0	35.9	35.9	36.7
122.5°	25.3	25.3	26.8	32.1	39.0	42.9	42.0	35.9	30.6	30.6	31.3
125°	23.7	23.7	24.4	29.1	34.4	37.4	36.7	30.6	26.8	26.8	27.5
127.5°	22.2	22.2	22.9	26.0	30.6	32.8	31.3	26.0	23.7	23.7	24.4
130°	21.4	21.4	21.4	22.9	26.8	29.1	26.8	22.2	20.7	20.7	21.4
132.5°	19.8	19.8	19.8	20.7	22.9	24.4	22.9	19.1	18.3	18.3	19.1
135°	19.1	19.1	18.3	18.3	19.8	20.7	18.3	16.1	16.1	16.1	16.8
137.5°	17.6	17.6	16.8	16.1	16.8	16.8	15.2	13.0	13.8	13.8	14.5
140°	16.1	16.1	15.2	13.8	13.0	13.0	11.5	10.7	11.5	11.5	12.3
142.5°	13.8	13.8	13.0	11.5	9.9	9.2	8.4	8.4	9.2	9.2	9.9
145°	11.5	11.5	10.7	9.2	7.7	6.9	6.1	6.1	6.9	6.9	7.7
147.5°	9.2	9.2	8.4	6.9	5.3	3.8	3.8	4.6	5.3	5.3	5.3
150°	7.7	7.7	6.9	5.3	3.1	2.3	1.5	2.3	3.1	3.1	3.1
152.5°	5.3	5.3	4.6	3.1	2.3	0.7	0.7	1.5	2.3	2.3	2.3
155°	3.1	3.1	2.3	1.5	0.7	0.7	0.7	0.7	1.5	1.5	1.5
157.5°	1.5	1.5	0.7	0.7	0.0	0.7	0.7	0.7	0.7	0.7	0.7
160°	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.0	0.0	0.0	0.7
162.5°	0.0	0.0	0.0	0.0	0.0	0.7	0.7	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°	237.0	237.0	237.0	237.0	237.0	237.0	237.0	237.0	237.0	237.0	237.0
2.5°	239.3	237.7	233.9	230.2	227.1	224.7	223.2	221.0	220.1	219.4	219.4
5°	249.2	245.4	238.6	231.7	225.6	220.1	215.6	211.8	209.5	208.0	208.7
7.5°	265.3	259.2	249.2	238.6	228.6	221.0	214.1	209.5	205.6	203.4	203.4
10°	290.5	282.1	266.8	251.5	239.3	227.8	219.4	212.6	208.0	205.6	205.6
12.5°	326.4	315.8	294.3	272.9	256.1	240.8	230.2	223.2	221.7	219.4	219.4
15°	369.3	356.3	330.3	302.8	279.8	259.2	250.0	243.9	240.1	237.0	237.0
17.5°	419.7	402.9	370.0	336.3	308.1	286.7	271.4	263.0	258.4	256.1	256.1
20°	477.8	457.2	416.6	374.6	339.4	316.5	295.8	282.8	278.2	276.0	275.3
22.5°	545.1	519.9	471.0	418.2	377.0	346.4	321.8	302.8	297.4	295.1	293.6
25°	625.4	597.1	532.1	467.9	416.6	374.6	344.8	323.4	315.8	313.4	312.7
27.5°	715.7	681.2	601.7	522.9	454.1	399.9	364.7	342.5	332.6	329.5	330.3
30°	816.5	776.0	678.1	578.8	490.8	422.8	380.7	357.0	346.4	343.3	343.3
32.5°	928.9	875.4	761.5	637.6	525.3	441.9	394.6	370.0	357.0	354.8	354.8
35°	1052.8	997.0	851.7	697.2	555.8	457.2	404.5	380.0	366.2	363.1	363.1
37.5°	1195.0	1121.6	947.3	754.6	581.9	468.6	411.3	386.1	372.4	367.8	367.8
40°	1339.5	1254.6	1046.7	808.8	604.0	475.6	415.1	389.1	376.1	370.0	369.3
42.5°	1497.7	1391.4	1148.4	858.6	619.3	479.4	415.9	391.5	377.7	370.0	368.5
45°	1662.1	1547.4	1242.4	901.4	630.8	479.4	415.1	390.7	377.7	367.8	366.2
47.5°	1828.0	1698.0	1340.3	937.3	636.1	477.1	413.6	389.9	377.0	364.7	363.1
50°	2000.8	1848.7	1432.7	965.6	635.4	472.5	409.8	387.6	373.9	360.9	359.4
52.5°	2162.9	1987.1	1517.6	985.5	630.8	465.6	405.2	385.3	371.5	357.0	355.5
55°	2320.4	2126.2	1591.0	996.1	620.8	457.2	400.6	382.3	369.3	353.2	352.4
57.5°	2447.3	2243.1	1648.4	995.4	606.3	446.5	395.3	378.5	366.2	351.0	349.4
60°	2551.2	2337.2	1685.0	984.0	588.7	435.8	389.1	373.9	363.1	347.9	345.6
62.5°	2612.4	2389.9	1694.2	959.5	567.3	423.6	380.7	366.9	357.8	344.0	341.8
63°	2619.3	2394.5	1692.0	953.4	562.7	420.5	379.2	366.2	357.0	343.3	340.9
65°	2617.0	2393.0	1669.8	922.0	542.8	408.3	371.5	359.4	351.7	338.7	336.3
67.5°	2557.4	2334.9	1607.1	870.0	513.7	392.2	359.4	349.4	341.8	330.3	328.0
70°	2428.2	2211.0	1501.6	805.1	481.7	373.9	344.0	336.3	328.8	318.0	315.0
72.5°	2237.1	2028.3	1360.1	735.5	448.1	352.4	327.2	319.6	313.4	304.3	298.9
75°	1987.8	1796.7	1196.5	657.6	411.3	330.3	306.6	300.4	292.8	284.4	279.8
77.5°	1698.0	1532.2	1023.7	577.3	373.9	305.0	284.4	277.5	270.7	261.5	255.3
80°	1405.2	1266.1	852.4	499.2	336.3	278.2	259.9	253.8	245.4	235.5	229.3
82.5°	1126.9	1018.3	697.2	427.4	299.7	251.5	234.7	227.1	217.9	208.0	204.2
85°	879.9	800.5	561.9	362.4	263.7	224.7	209.5	201.8	190.4	178.9	174.3
87.5°	678.9	620.8	451.1	305.0	230.9	198.8	183.5	174.3	163.6	152.1	148.3
90°	520.7	480.9	360.9	256.9	201.1	172.8	160.6	152.1	139.9	128.5	125.4
92.5°	399.1	372.4	289.8	216.4	172.1	151.4	140.7	131.6	119.3	107.8	105.5
95°	306.6	289.0	233.9	181.2	149.0	132.3	123.1	113.1	101.0	90.2	87.9
97.5°	237.7	225.6	188.8	152.9	129.2	115.5	107.8	97.9	85.6	75.7	74.2
100°	184.2	176.6	153.6	128.5	112.4	101.0	93.3	84.9	73.3	62.7	62.7
102.5°	143.7	139.1	126.1	110.1	97.9	89.4	82.6	73.3	61.9	53.5	52.8
105°	114.0	111.6	103.9	94.0	85.6	78.8	72.6	63.4	52.8	45.1	45.1
107.5°	90.9	90.2	86.4	80.3	74.9	69.6	64.2	55.0	45.1	39.0	39.0



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CATALOG NUMBER: LXF.LXT-AF24-60-D-U-T2U-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	74.2	74.2	72.6	68.8	65.8	61.2	55.9	48.2	38.3	33.7	33.7
112.5°	61.2	61.9	61.2	59.6	58.1	54.3	49.7	41.3	32.8	29.8	29.8
115°	51.2	52.0	52.0	52.0	51.2	48.2	43.6	35.9	28.3	26.0	26.0
117.5°	43.6	44.3	45.1	45.1	44.3	42.0	38.3	31.3	24.4	22.9	23.7
120°	37.4	38.3	39.0	39.8	39.0	37.4	32.8	26.8	21.4	20.7	20.7
122.5°	32.8	33.7	33.7	34.4	34.4	32.8	29.1	22.9	18.3	18.3	18.3
125°	28.3	29.1	29.8	29.8	30.6	28.3	24.4	19.1	16.1	16.1	16.8
127.5°	25.3	25.3	25.3	26.0	26.0	24.4	21.4	16.1	13.8	14.5	14.5
130°	22.2	22.2	22.9	22.9	22.9	21.4	17.6	13.8	12.3	13.0	13.0
132.5°	19.1	19.8	19.8	19.1	19.1	18.3	14.5	11.5	10.7	11.5	11.5
135°	16.8	17.6	17.6	16.1	16.1	14.5	12.3	9.2	9.9	9.9	10.7
137.5°	14.5	15.2	14.5	13.8	13.0	12.3	9.9	7.7	8.4	9.2	9.2
140°	12.3	12.3	12.3	11.5	10.7	9.2	7.7	6.1	7.7	7.7	7.7
142.5°	9.9	9.9	9.9	9.2	7.7	6.9	5.3	5.3	6.1	6.1	6.1
145°	7.7	7.7	7.7	6.9	5.3	4.6	3.8	3.8	4.6	5.3	5.3
147.5°	5.3	5.3	5.3	4.6	3.1	2.3	2.3	3.1	3.8	3.8	3.8
150°	3.8	3.8	3.8	3.1	2.3	1.5	1.5	2.3	2.3	3.1	3.1
152.5°	2.3	3.1	3.1	2.3	1.5	0.7	0.7	1.5	1.5	1.5	1.5
155°	1.5	1.5	2.3	1.5	1.5	0.7	0.0	0.0	0.7	0.7	0.7
157.5°	1.5	1.5	1.5	1.5	0.7	0.7	0.0	0.0	0.0	0.0	0.0
160°	0.7	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0
162.5°	0.7	0.7	0.7	0.7	0.7	0.7	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)