

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: P266130

Luminaire Tested: **LXF.LXT-AF24-60-D-U-T3-CL-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P266130
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-24)
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-T3-CL-7027
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5512 lumens
Efficiency: N/A
Efficacy: 86.1 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B1 - U3 - G2

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

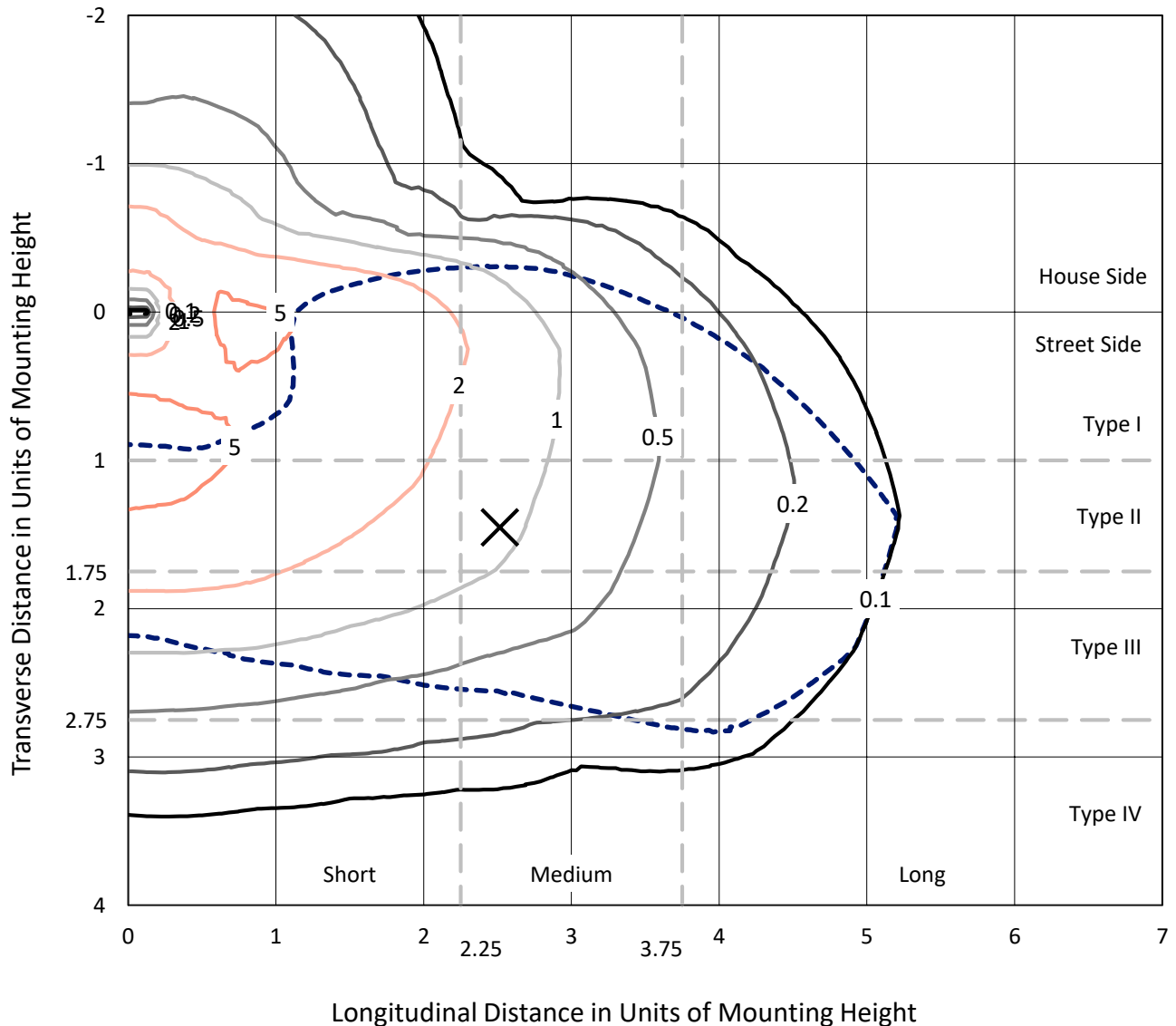


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

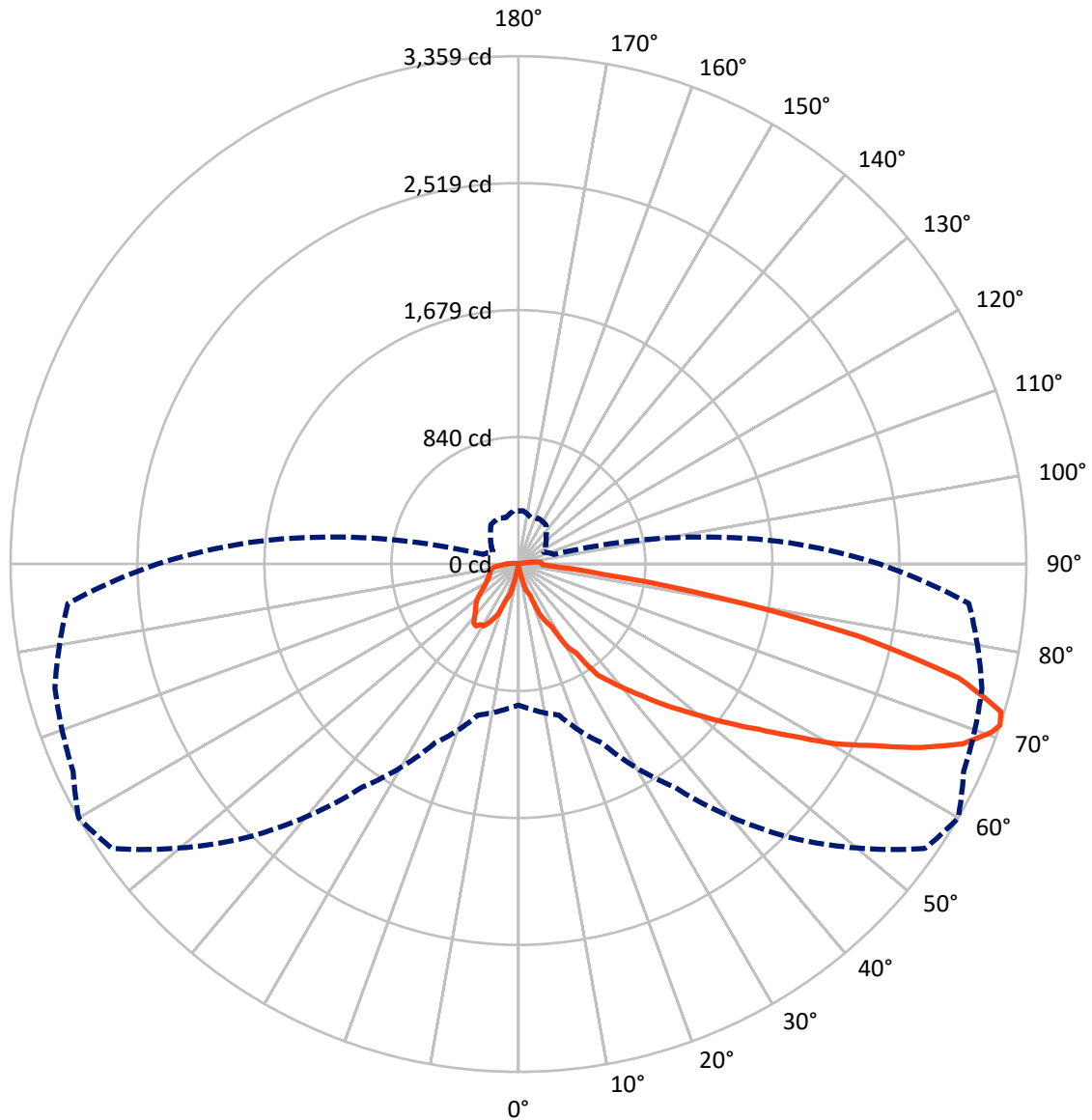


Based on 10 foot mounting height. Maximum calculated value = 6.9 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

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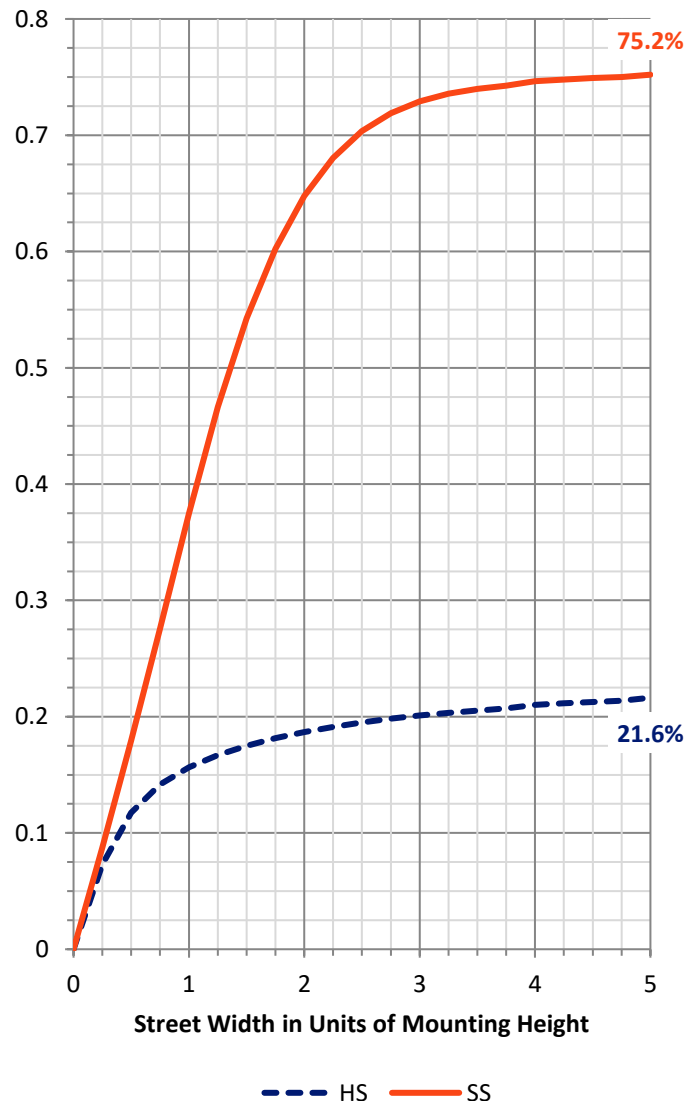
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1252.2	40.7	1292.8
	% Fixture	22.7	0.7	23.5
Street Side	Lumens	4179.6	39.6	4219.2
	% Fixture	75.8	0.7	76.5
Total	Lumens	5431.7	80.3	5512.0
	% Fixture	98.5	1.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.0	0.1
10°-20°	49.5	0.9
20°-30°	203.2	3.7
30°-40°	457.0	8.3
40°-50°	793.4	14.4
50°-60°	1202.1	21.8
60°-70°	1481.5	26.9
70°-80°	1009.7	18.3
80°-90°	232.4	4.2
90°-100°	71.0	1.3
100°-110°	6.6	0.1
110°-120°	1.1	0.0
120°-130°	0.7	0.0
130°-140°	0.3	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°	5431.7	98.5
0°-180°	5512.0	100.0



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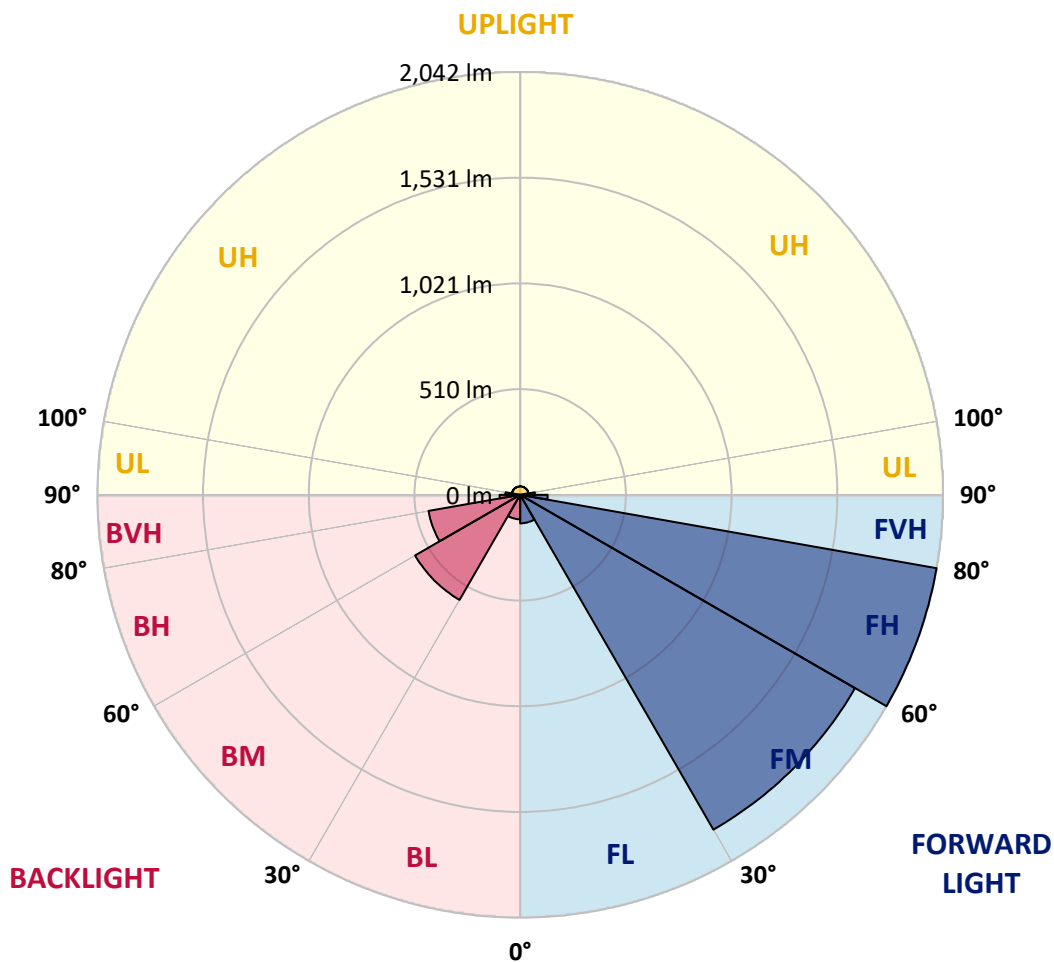
CATALOG NUMBER: LXF.LXT-AF24-60-D-U-T3-CL-7027

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	137.7	2.5			
FM	(30°-60°)	1866.9	33.9			
FH	(60°-80°)	2041.8	37.0			G2/5000
FVH	(80°-90°)	133.2	2.4			G2/225
BL	(0°-30°)	118.0	2.1	B1/500		
BM	(30°-60°)	585.6	10.6	B1/1000		
BH	(60°-80°)	449.4	8.2	B1/500		G1/500
BVH	(80°-90°)	99.1	1.8			G1/100
UL	(90°-100°)	71.0	1.3		U3/500	
UH	(100°-180°)	40.7	0.7		U2/50	

BUG Rating: B1-U3-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
2.5°	3.2	4.0	2.5	3.2	3.2	2.5	1.9	1.9	2.5	2.5	1.9
5°	59.1	59.7	62.3	64.3	22.1	15.6	5.8	4.0	3.2	2.5	2.5
7.5°	74.6	73.4	72.0	68.2	70.1	65.5	38.9	16.2	7.7	3.2	2.5
10°	86.3	86.3	80.5	75.9	75.3	74.0	70.1	64.3	30.5	6.5	4.5
12.5°	157.8	153.3	146.2	120.2	91.5	82.5	80.5	82.5	67.6	66.8	89.7
15°	180.5	181.7	178.0	168.2	163.0	105.2	138.2	172.0	172.7	138.2	155.9
17.5°	234.4	233.1	213.0	194.2	189.0	201.3	201.8	193.4	194.2	172.7	183.8
20°	348.7	352.0	335.1	283.8	229.8	265.5	257.8	223.9	228.6	325.9	336.3
22.5°	409.1	415.6	395.4	374.1	370.8	294.9	333.1	355.8	345.5	384.4	387.0
25°	607.2	589.6	513.7	439.6	449.3	392.7	431.1	419.5	401.3	429.8	497.4
27.5°	661.1	665.6	646.2	608.4	515.5	536.4	488.9	469.5	540.9	603.2	621.4
30°	783.7	783.7	714.2	700.0	659.0	599.3	639.6	633.8	646.2	655.9	689.5
32.5°	951.9	940.9	909.8	801.8	757.1	685.6	737.6	701.9	723.3	856.4	912.9
35°	1125.2	1124.6	1018.0	938.9	847.3	836.3	811.7	903.9	929.1	935.0	990.9
37.5°	1346.0	1347.9	1290.1	1057.8	963.6	912.9	977.8	983.7	1013.6	1064.9	1082.4
40°	1520.0	1509.6	1435.6	1262.3	1109.0	1037.0	1093.4	1083.7	1135.0	1175.9	1201.3
42.5°	1737.6	1731.0	1629.2	1428.5	1310.3	1195.4	1210.9	1185.7	1222.7	1324.6	1335.1
45°	1942.1	1929.7	1835.6	1621.4	1497.4	1370.8	1336.9	1313.6	1322.0	1437.6	1477.3
47.5°	2079.0	2064.8	2029.1	1818.8	1721.3	1555.8	1486.2	1439.5	1450.0	1579.1	1644.7
50°	2250.6	2203.2	2171.4	1983.0	1913.5	1779.8	1632.4	1586.9	1610.3	1728.5	1830.4
52.5°	2342.2	2277.8	2278.5	2144.1	2078.5	1983.6	1795.4	1751.2	1782.3	1895.3	2043.5
55°	2273.3	2266.8	2323.2	2246.7	2209.7	2127.8	1971.3	1931.0	1982.4	2114.3	2277.8
57.5°	2175.2	2184.9	2301.2	2337.5	2337.5	2272.0	2166.8	2150.0	2205.1	2338.8	2503.0
60°	2062.9	2086.9	2235.6	2340.2	2417.3	2413.4	2377.9	2412.8	2429.0	2556.3	2777.7
62.5°	1897.9	1909.0	2083.0	2294.7	2421.3	2545.3	2599.9	2644.7	2706.4	2810.8	3012.8
65°	1708.9	1722.6	1896.6	2172.6	2399.9	2631.7	2817.4	2925.8	2944.6	3028.5	3182.2
67.5°	1464.9	1479.8	1631.7	1943.5	2315.6	2701.8	3038.7	3171.2	3139.4	3127.8	3222.6
70°	1135.0	1134.4	1241.5	1527.8	2007.1	2674.6	3234.3	3324.4	3242.1	3177.8	3110.9
71°	932.4	964.2	1034.4	1305.1	1801.2	2563.6	3281.0	3358.9	3249.2	3173.8	2990.7
72.5°	594.0	631.1	690.8	931.2	1437.6	2276.6	3240.0	3336.1	3225.9	3126.6	2749.3
75°	234.4	242.8	287.0	431.1	779.8	1533.0	2860.9	3006.9	2963.5	2873.9	2203.8
77.5°	141.6	146.2	163.0	215.6	357.7	709.0	2089.5	2301.8	2378.4	2336.9	1516.8
80°	106.4	111.0	125.9	152.0	238.9	294.9	1103.8	1322.7	1511.6	1509.6	851.2
82.5°	81.1	83.7	98.1	107.2	178.0	203.8	416.3	563.0	732.4	732.4	422.1
85°	75.3	75.3	79.9	72.0	118.1	146.2	247.5	270.7	286.4	303.8	246.0
87.5°	29.9	29.3	38.3	37.0	51.9	96.1	156.5	163.6	153.3	185.7	212.3
90°	20.1	20.8	16.2	16.2	28.6	88.4	142.8	149.9	140.9	167.5	218.2
92.5°	19.5	20.1	14.9	14.9	21.4	73.4	149.4	152.0	144.7	172.7	222.2
95°	17.5	18.1	12.3	12.3	16.9	44.7	139.0	142.8	124.1	139.5	178.0
97.5°	13.7	14.4	8.4	9.2	12.9	16.9	83.2	88.9	69.4	65.5	77.3
100°	9.2	9.7	5.2	6.5	7.7	7.7	31.8	34.5	31.3	16.9	9.7
102.5°	8.4	9.2	4.0	4.0	4.0	2.5	6.5	10.4	5.8	7.1	8.4
105°	7.7	9.2	2.5	1.9	1.3	1.3	1.9	2.5	3.2	4.5	9.2
107.5°	5.2	5.8	1.3	1.3	0.7	1.3	1.3	1.3	1.9	3.2	8.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	2.5	2.5	0.7	0.7	0.0	0.7	0.7	1.3	1.9	2.5	4.0
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	1.3	1.9	3.2
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.3	1.9	3.2
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.9	3.2
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.9	3.2
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.9	3.2
125°	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	3.2
127.5°	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	2.5
130°	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.5
132.5°	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.9
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	1.3
140°	0.7	0.7	0.7	0.0	0.0	0.0	0.7	0.7	0.7	0.7	1.3
142.5°	1.3	0.7	0.7	0.7	0.0	0.0	0.7	0.7	0.7	1.3	1.3
145°	1.3	1.3	0.7	0.7	0.0	0.0	0.7	0.7	1.3	1.3	1.3
147.5°	1.9	1.9	0.7	0.0	0.0	0.0	0.7	0.7	1.3	1.3	1.9
150°	1.3	1.3	0.7	0.0	0.0	0.0	0.0	0.7	1.3	1.3	1.9
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	1.3
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
2.5°	1.9	1.9	1.9	1.9	1.3	0.7	0.7	0.7	0.7	0.7	0.7
5°	1.9	1.9	1.9	1.9	1.9	1.3	2.5	4.0	4.5	5.2	5.2
7.5°	2.5	2.5	2.5	2.5	2.5	5.2	32.5	72.0	82.5	88.4	86.3
10°	4.5	4.5	4.0	4.5	16.2	80.5	98.1	105.2	106.4	111.0	115.0
12.5°	96.1	82.5	38.9	22.1	83.2	104.6	112.9	118.8	125.4	155.9	139.5
15°	159.1	162.4	159.1	175.3	196.1	118.1	140.2	214.2	232.4	237.6	236.3
17.5°	188.4	184.4	184.4	224.7	232.4	231.1	223.4	238.9	243.5	251.3	248.7
20°	350.6	352.0	330.4	261.0	248.0	311.1	250.0	249.3	297.3	341.5	342.9
22.5°	390.9	394.1	383.8	387.0	324.6	321.5	313.6	329.1	348.1	356.4	353.9
25°	530.4	494.2	428.0	398.7	393.5	328.6	370.1	339.6	342.2	346.7	350.0
27.5°	642.8	638.2	595.4	486.3	393.5	398.7	356.4	350.6	389.5	393.5	394.1
30°	696.0	684.4	636.3	511.7	431.7	381.8	347.4	374.7	368.8	372.6	372.6
32.5°	927.9	922.6	816.9	525.2	418.2	353.3	355.8	355.2	389.0	399.9	397.4
35°	990.2	980.5	823.9	596.7	396.7	356.4	335.1	360.4	360.4	364.9	363.6
37.5°	1067.5	1051.2	835.7	571.4	409.6	335.1	327.9	335.1	353.3	358.5	355.2
40°	1173.9	1137.0	825.9	529.2	382.5	331.8	315.6	328.6	327.3	320.8	317.6
42.5°	1284.9	1240.9	826.6	490.3	360.9	327.3	311.7	309.0	305.2	294.9	292.8
45°	1429.2	1342.2	836.3	462.9	342.9	324.6	307.8	296.1	290.2	279.8	277.9
47.5°	1593.5	1450.6	833.1	440.9	324.6	316.8	296.1	285.0	281.8	267.5	265.5
50°	1759.1	1555.8	835.7	411.1	303.8	308.4	292.8	277.2	271.4	255.2	254.5
52.5°	1952.5	1665.5	818.7	368.1	279.8	297.3	294.9	279.3	279.3	255.2	253.2
55°	2144.1	1799.9	804.5	322.8	263.7	288.3	298.6	292.8	291.5	258.4	256.5
57.5°	2333.0	1915.5	758.3	283.1	253.2	280.5	307.8	301.9	298.1	271.4	265.5
60°	2536.9	2066.8	671.5	252.0	247.5	274.1	310.4	309.7	287.6	285.0	281.8
62.5°	2690.2	2154.4	559.0	231.1	238.9	272.0	309.0	309.0	290.2	289.7	288.3
65°	2762.8	2165.5	422.7	215.0	230.5	268.9	304.5	316.8	301.9	303.8	301.3
67.5°	2725.8	2081.7	318.2	200.6	222.7	266.2	305.2	325.9	312.3	332.5	329.1
70°	2530.3	1866.0	261.6	190.9	220.2	261.6	314.2	328.6	319.4	352.0	348.1
71°	2388.1	1727.3	244.1	185.1	220.2	259.2	316.3	329.1	318.2	353.9	350.6
72.5°	2147.3	1482.5	225.4	176.5	218.7	257.8	316.3	328.6	322.0	362.3	356.4
75°	1618.0	1017.5	201.8	172.0	217.5	254.0	309.7	322.8	316.8	347.4	346.0
77.5°	1037.0	594.8	180.5	171.4	212.3	252.0	301.3	311.1	300.7	326.7	325.2
80°	570.8	341.5	160.3	160.3	201.8	247.5	288.3	290.2	279.8	299.9	291.5
82.5°	338.9	242.3	133.0	140.9	186.9	235.0	274.1	264.9	254.0	291.0	247.5
85°	228.6	188.4	91.5	108.4	168.2	203.8	244.1	229.8	211.0	212.3	202.6
87.5°	189.6	149.9	48.1	70.7	130.6	149.4	181.2	166.8	147.4	144.7	136.4
90°	188.4	146.2	38.3	63.6	104.6	115.6	140.2	126.7	115.6	120.2	113.6
92.5°	189.6	144.7	39.6	54.5	85.7	87.0	115.0	109.8	100.0	102.0	95.5
95°	152.0	113.6	38.3	43.5	48.7	46.2	70.7	70.7	61.1	57.9	53.9
97.5°	63.6	56.6	35.8	35.0	34.5	25.3	41.0	46.7	31.8	21.4	18.9
100°	9.7	16.2	29.9	33.1	24.1	14.9	26.1	29.9	16.9	3.2	2.5
102.5°	9.7	8.4	12.3	24.7	14.4	4.0	10.4	16.9	8.4	1.9	2.5
105°	10.4	8.4	5.2	12.9	3.2	1.3	0.7	4.5	1.3	1.9	1.9
107.5°	9.7	7.7	3.2	2.5	1.9	0.7	0.0	0.0	0.0	1.9	2.5



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CATALOG NUMBER: LXF.LXT-AF24-60-D-U-T3-CL-7027

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	5.2	4.5	3.2	1.9	1.3	0.7	0.0	0.0	0.0	1.9	2.5
112.5°	3.2	4.0	2.5	1.9	0.7	0.7	0.0	0.0	0.0	2.5	3.2
115°	4.0	4.0	2.5	1.3	0.7	0.0	0.0	0.0	0.0	2.5	3.2
117.5°	4.0	4.0	2.5	1.3	0.7	0.0	0.0	0.0	0.0	2.5	3.2
120°	4.0	4.0	2.5	1.3	0.7	0.0	0.0	0.0	0.0	2.5	3.2
122.5°	4.0	4.0	2.5	1.3	0.7	0.0	0.0	0.0	0.0	1.9	2.5
125°	3.2	3.2	2.5	1.3	0.0	0.0	0.0	0.0	0.0	1.9	2.5
127.5°	3.2	3.2	1.9	1.3	0.0	0.0	0.0	0.0	0.0	1.3	1.9
130°	3.2	3.2	1.9	0.7	0.0	0.0	0.0	0.0	0.0	0.7	1.3
132.5°	2.5	2.5	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	1.9	1.9	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	1.3	1.3	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	1.3	1.3	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	1.3	1.3	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	1.9	1.9	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	1.9	1.9	1.9	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.9	1.9	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.3	1.3	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.3	1.3	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)