

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: P254637

Luminaire Tested: **LXF.LXT-AF24-50-D-U-T4W-CL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254637
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-25)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-50-D-U-T4W-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5575 lumens
Efficiency: N/A
Efficacy: 103.2 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B1 - U3 - G2

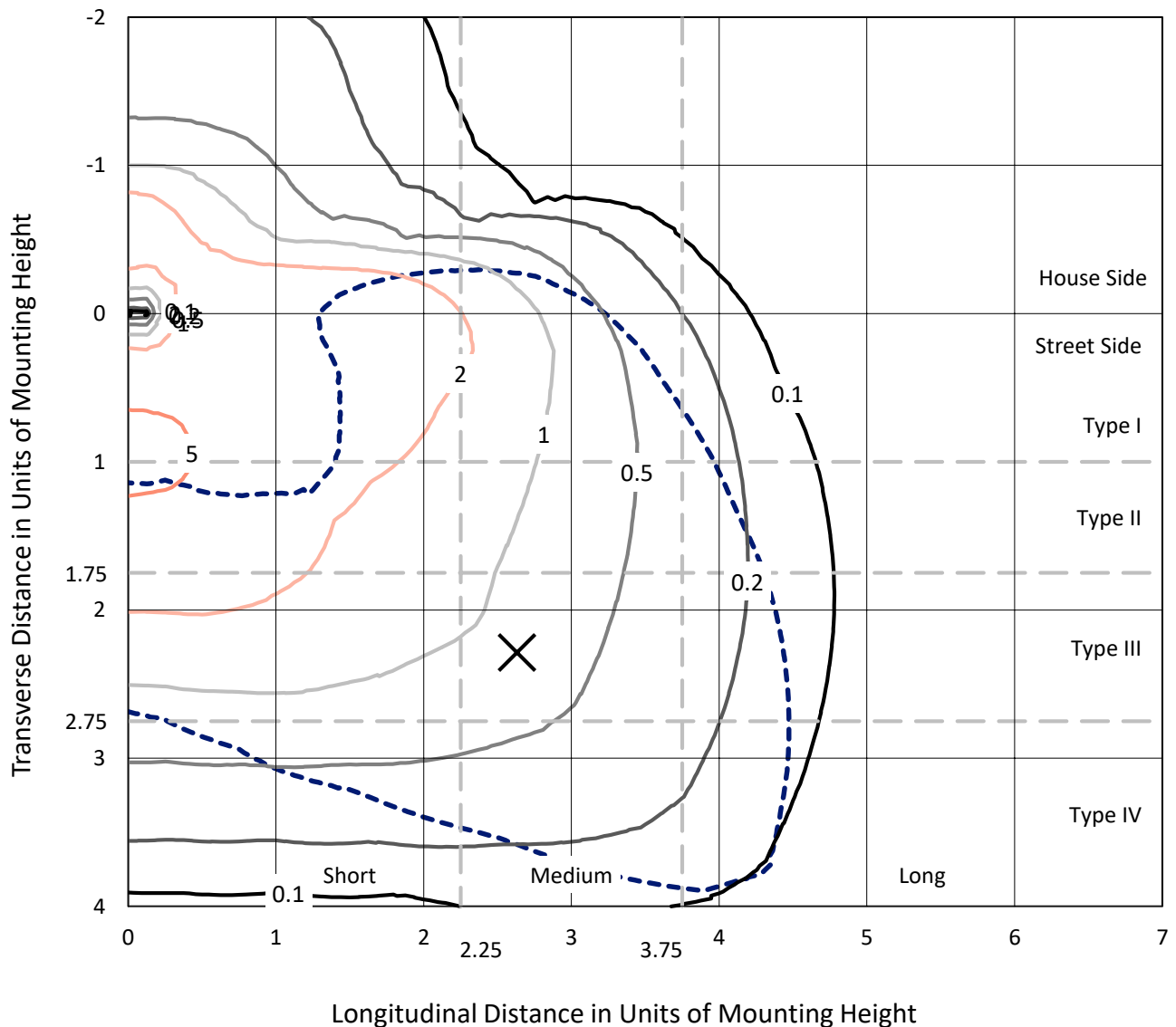
Input Watts (W): 54
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

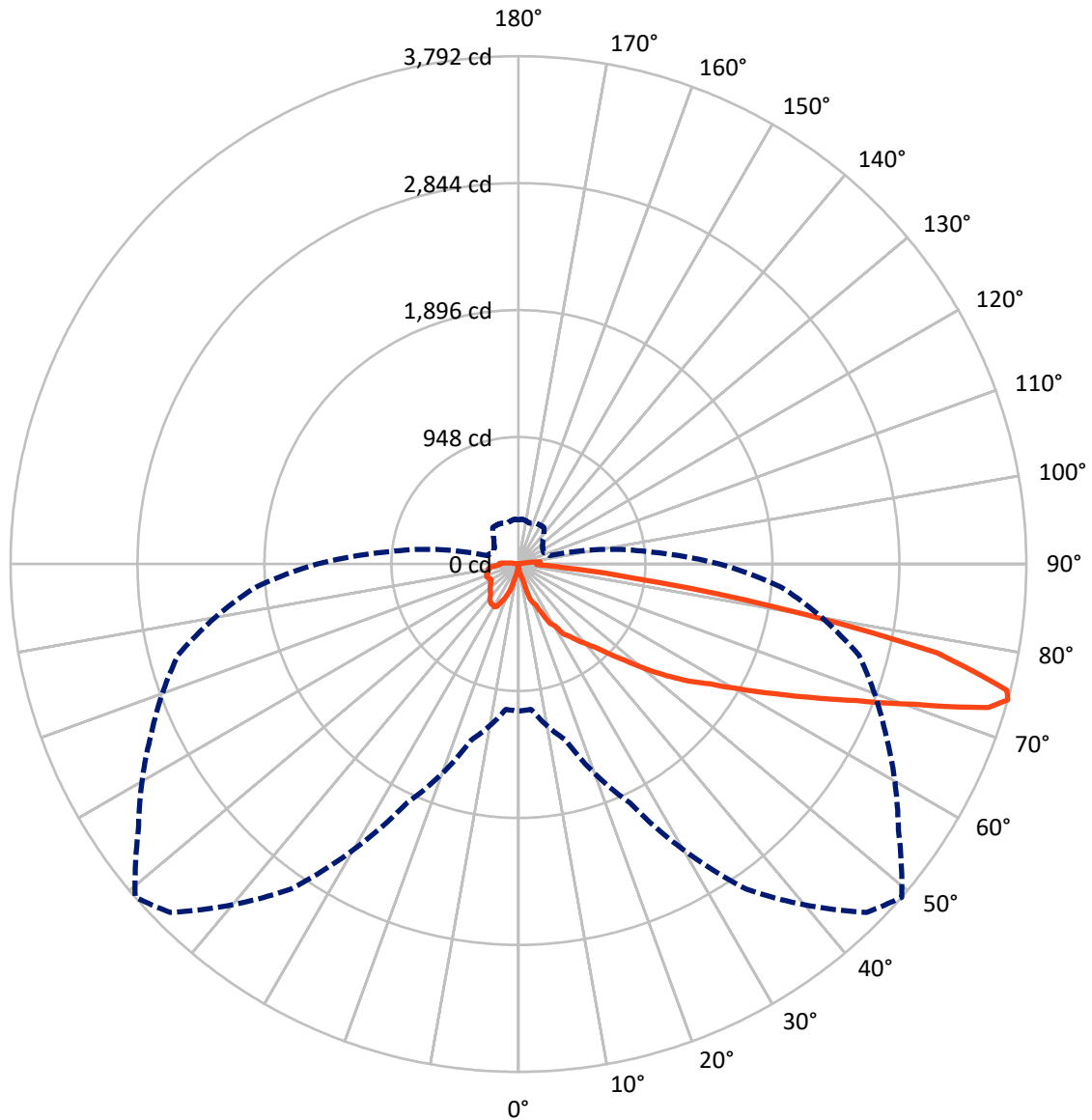
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.6 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 49-Deg Lateral - - - Horizontal Cone Through 74-Deg Vertical



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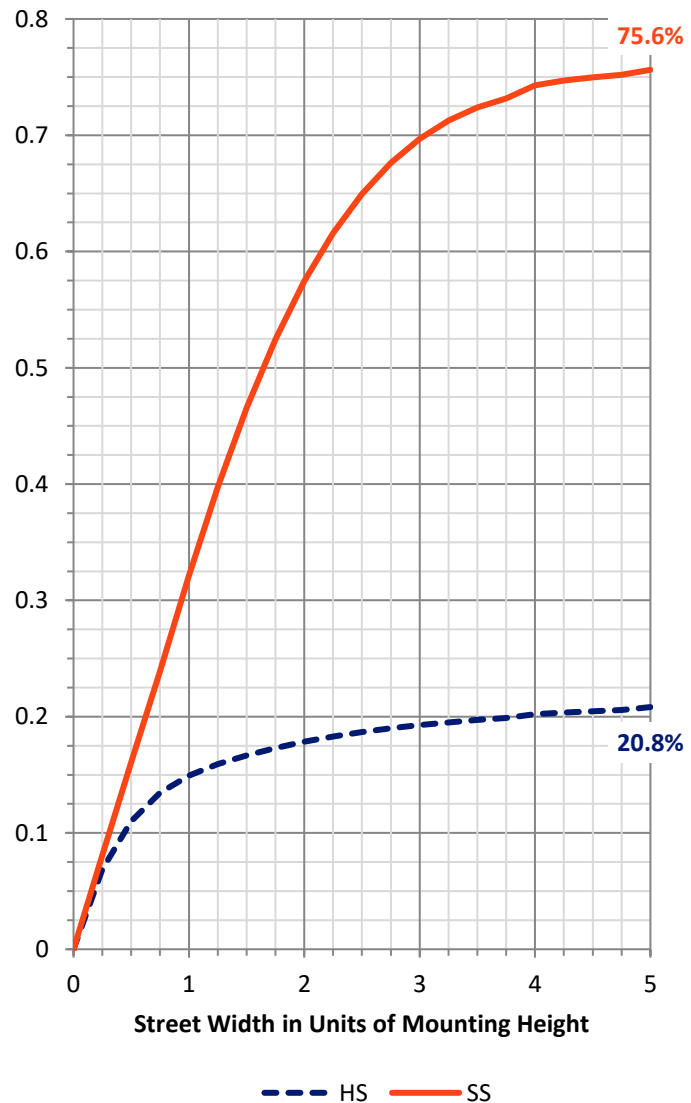
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1229.5	52.8	1282.3
	% Fixture	22.1	0.9	23.0
Street Side	Lumens	4248.5	44.2	4292.7
	% Fixture	76.2	0.8	77.0
Total	Lumens	5478.0	97.0	5575.0
	% Fixture	98.3	1.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.1	0.1
10°-20°	50.1	0.9
20°-30°	190.3	3.4
30°-40°	404.4	7.3
40°-50°	664.7	11.9
50°-60°	1072.0	19.2
60°-70°	1549.0	27.8
70°-80°	1271.7	22.8
80°-90°	272.7	4.9
90°-100°	87.8	1.6
100°-110°	6.9	0.1
110°-120°	1.0	0.0
120°-130°	0.7	0.0
130°-140°	0.3	0.0
140°-150°	0.2	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5478.0	98.3
0°-180°	5575.0	100.0

Coefficient of Utilization



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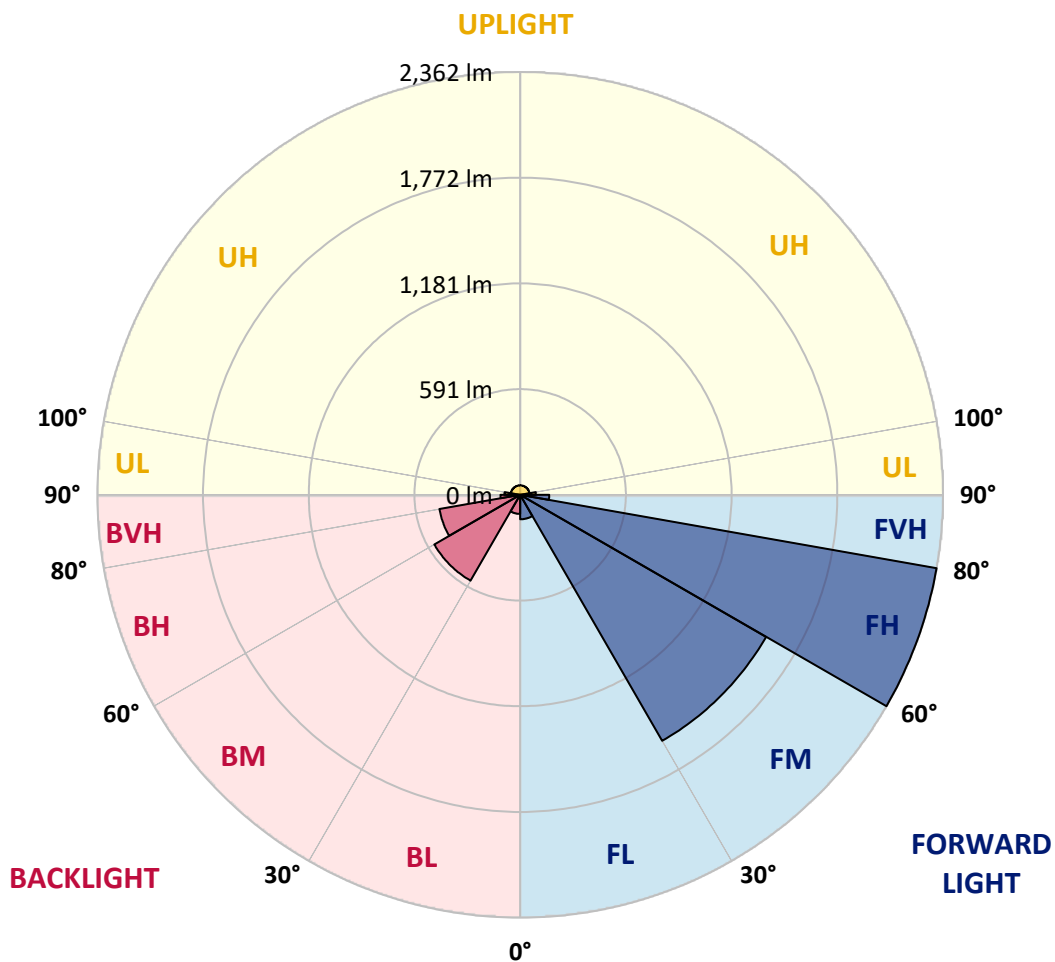
CATALOG NUMBER: LXF.LXT-AF24-50-D-U-T4W-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	136.6	2.5			
FM (30°-60°)	1587.0	28.5			
FH (60°-80°)	2362.5	42.4			G2/5000
FVH (80°-90°)	162.3	2.9			G2/225
BL (0°-30°)	106.9	1.9	B0/110		
BM (30°-60°)	554.1	9.9	B1/1000		
BH (60°-80°)	458.1	8.2	B1/500		G1/500
BVH (80°-90°)	110.4	2.0			G2/225
UL (90°-100°)	87.8	1.6		U3/500	
UH (100°-180°)	52.8	0.9		U3/500	

BUG Rating: B1-U3-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
0°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
2.5°	4.6	4.0	3.3	2.7	2.7	1.9	1.9	1.9	2.7	2.7	2.7
5°	74.1	73.4	66.8	63.5	25.8	15.9	13.9	8.6	3.3	2.7	2.7
7.5°	88.0	86.6	84.7	88.7	82.8	72.1	66.2	38.4	10.5	3.3	2.7
10°	116.4	115.1	105.2	102.6	93.3	85.3	80.7	75.4	31.7	6.6	4.6
12.5°	220.3	213.1	207.0	175.3	118.5	96.0	95.2	89.3	74.8	67.5	82.0
15°	248.8	242.1	232.2	230.3	210.4	127.1	116.4	160.8	190.6	142.9	146.2
17.5°	281.8	285.2	271.9	244.2	227.0	242.8	267.3	236.2	209.1	174.0	176.7
20°	397.0	394.3	383.7	352.0	287.9	312.9	304.3	299.1	244.2	321.5	312.3
22.5°	412.2	411.5	406.2	387.1	413.6	333.5	330.8	368.6	363.2	369.9	356.6
25°	540.5	545.8	528.7	414.8	435.4	426.1	410.9	448.0	406.2	409.6	456.5
27.5°	566.4	563.7	554.4	531.3	460.5	504.8	500.8	475.1	527.3	555.8	559.1
30°	712.6	694.1	599.4	577.7	555.8	528.7	535.9	565.7	588.9	580.9	613.4
32.5°	783.4	778.8	763.5	677.5	601.4	585.5	623.9	634.5	621.2	735.7	792.0
35°	1019.6	998.4	876.7	750.9	670.2	661.6	665.6	664.9	755.7	776.1	853.6
37.5°	1315.3	1287.6	1191.6	921.1	731.8	692.7	725.8	759.5	790.6	850.2	909.8
40°	1488.7	1474.2	1397.5	1138.7	853.6	753.6	786.0	802.6	843.6	892.5	992.5
42.5°	1621.7	1620.4	1572.1	1292.2	1019.6	850.2	856.2	858.2	888.6	968.0	1086.5
45°	1712.3	1711.0	1719.6	1436.4	1178.4	960.0	960.8	936.9	958.7	1061.9	1216.8
47.5°	1824.8	1805.0	1824.8	1589.3	1316.0	1090.4	1078.5	1023.0	1068.6	1192.2	1398.1
50°	1937.3	1918.7	1926.7	1709.0	1452.3	1249.2	1228.1	1153.9	1216.8	1356.3	1622.4
52.5°	2084.2	2060.4	2024.6	1835.4	1636.9	1414.6	1384.9	1324.6	1382.8	1562.9	1905.6
55°	2192.1	2174.8	2162.9	2014.7	1767.2	1561.5	1541.0	1472.8	1630.3	1793.7	2207.9
57.5°	2276.1	2282.7	2319.1	2234.4	2012.0	1723.0	1689.8	1661.4	1863.8	2067.0	2532.1
60°	2364.8	2352.2	2441.5	2438.8	2219.2	1885.0	1891.6	1887.7	2102.1	2327.7	2908.7
62.5°	2359.4	2369.4	2530.2	2583.8	2397.2	2101.4	2127.2	2120.0	2346.2	2587.0	3187.8
65°	2145.7	2174.8	2524.8	2647.3	2617.5	2357.5	2400.5	2394.5	2628.8	2808.0	3364.5
67.5°	2005.5	2042.5	2372.6	2698.9	2826.6	2685.7	2720.0	2698.2	2830.5	2931.1	3365.1
70°	1858.6	1884.4	2178.2	2719.4	3052.2	3113.8	3135.5	3000.6	2998.6	3001.2	3089.2
72.5°	1512.5	1515.8	1781.8	2404.4	3150.1	3577.6	3665.5	3369.1	3085.9	2869.6	2481.9
74°	1097.6	1089.0	1360.3	1967.1	2962.2	3678.7	3791.9	3463.1	3027.7	2631.3	1967.1
75°	792.0	814.5	1015.6	1591.3	2673.1	3651.0	3766.8	3443.9	2907.3	2389.9	1599.9
77.5°	252.1	260.6	330.8	670.2	1636.9	2992.0	3197.1	2894.0	2213.9	1509.9	827.1
80°	134.9	141.0	176.7	263.3	686.8	1736.9	1936.0	1681.2	1229.4	758.9	452.6
82.5°	80.7	84.7	115.8	158.8	356.0	721.2	853.6	699.4	598.8	436.7	316.3
85°	52.3	53.6	67.5	97.9	230.9	283.9	332.8	342.7	341.5	306.4	254.1
87.5°	29.2	29.8	31.7	41.6	105.9	148.8	135.6	166.0	198.5	197.1	224.9
90°	20.6	20.6	17.2	18.5	58.2	149.6	136.3	146.2	131.7	154.9	232.2
92.5°	19.2	19.8	15.9	16.6	46.3	146.9	164.1	163.5	134.9	162.1	233.5
95°	15.9	17.2	12.6	13.9	29.2	125.7	162.8	162.1	119.1	128.4	166.0
97.5°	12.6	13.2	8.6	10.5	17.2	64.1	97.9	93.3	62.8	54.2	64.9
100°	8.0	8.6	4.6	7.3	10.5	21.2	35.1	37.0	29.2	13.2	8.0
102.5°	8.0	8.6	3.3	4.6	4.6	5.9	8.0	6.6	9.3	4.6	6.6
105°	8.0	8.6	2.7	1.9	1.3	1.9	1.3	1.9	3.3	4.0	8.0
107.5°	5.9	6.6	1.3	1.3	0.6	1.3	1.3	1.3	1.9	3.3	7.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
110°	4.0	4.0	0.6	0.6	0.0	1.3	1.3	1.3	1.9	2.7	4.0
112.5°	0.6	0.6	0.0	0.0	0.0	0.6	0.6	0.6	1.9	1.9	2.7
115°	0.6	0.6	0.0	0.0	0.0	0.0	0.6	0.6	1.3	1.9	3.3
117.5°	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.6	1.3	1.9	3.3
120°	1.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.9	3.3
122.5°	1.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.9	3.3
125°	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.9	3.3
127.5°	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.9	2.7
130°	1.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.9	2.7
132.5°	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.3	1.9
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.3	1.3
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.3	1.3
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.3	1.3
142.5°	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	1.3	1.3
145°	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.6	1.3	1.3	1.9
147.5°	1.3	0.6	0.6	0.0	0.0	0.0	0.0	0.0	1.3	1.9	1.9
150°	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.3	1.9
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.3	1.3
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.3
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6
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°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
2.5°	1.9	1.9	1.3	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0
5°	1.9	1.9	1.3	1.3	0.6	0.6	1.3	1.9	3.3	4.6	4.6
7.5°	2.7	1.9	1.9	1.9	1.9	9.3	33.8	58.9	74.1	79.4	78.1
10°	4.6	4.0	4.0	4.0	19.8	64.9	86.6	88.7	95.2	96.6	96.0
12.5°	99.2	84.7	52.9	25.2	69.5	90.6	94.6	101.3	105.9	138.9	145.6
15°	146.9	145.0	141.0	148.8	161.4	103.8	127.7	170.7	193.2	201.8	204.5
17.5°	176.0	173.4	162.1	187.9	199.2	197.1	190.6	204.5	207.8	215.7	215.0
20°	319.6	312.9	279.3	221.7	208.4	262.0	215.0	215.7	268.0	299.1	296.5
22.5°	352.6	349.3	330.8	325.5	280.5	277.2	287.9	295.1	318.2	329.5	328.2
25°	457.9	453.9	367.9	337.5	342.1	293.8	343.4	320.9	330.8	360.6	356.6
27.5°	567.7	558.4	490.9	411.5	342.7	365.2	346.1	378.5	412.2	430.0	432.1
30°	620.6	604.1	525.4	432.7	375.8	361.3	363.9	412.9	418.8	434.0	437.3
32.5°	819.8	805.9	669.6	444.7	376.4	345.3	382.5	403.7	467.1	500.2	502.9
35°	876.1	864.1	675.6	498.9	363.2	357.9	361.9	420.1	452.6	476.4	480.4
37.5°	936.9	916.4	686.8	468.4	373.8	333.5	350.1	381.8	438.0	479.0	489.6
40°	1023.0	985.8	680.2	436.7	347.4	325.5	324.2	361.9	386.4	406.2	409.6
42.5°	1132.7	1069.2	684.1	406.9	323.6	303.0	308.3	325.5	334.1	335.4	335.4
45°	1267.7	1173.1	701.3	382.5	303.7	292.5	294.4	299.1	300.3	284.5	282.5
47.5°	1449.6	1306.7	715.9	363.2	289.2	285.2	279.3	281.8	276.6	255.4	252.8
50°	1665.4	1466.2	728.4	340.7	275.9	275.3	273.9	264.0	254.7	234.9	232.2
52.5°	1896.2	1654.8	735.1	316.3	265.4	267.3	268.6	252.1	238.9	223.6	222.3
55°	2198.0	1874.5	750.9	293.8	252.8	256.8	264.0	247.5	234.9	224.9	230.9
57.5°	2495.7	2117.9	737.8	273.2	243.5	246.8	258.1	251.4	245.5	245.5	246.8
60°	2784.3	2329.1	655.7	256.8	234.9	238.9	262.7	274.6	273.9	286.5	289.8
62.5°	2978.1	2438.8	534.6	242.1	227.6	242.8	284.5	312.3	307.7	312.9	315.6
65°	3056.8	2432.3	407.5	231.6	223.0	260.0	309.6	336.8	319.6	307.7	305.0
67.5°	2973.4	2286.0	330.8	223.0	223.0	275.9	330.8	338.1	319.6	320.3	315.6
70°	2635.3	1945.2	284.5	214.4	226.3	273.2	341.5	336.1	320.3	331.4	324.9
72.5°	1977.7	1386.2	255.4	208.4	224.9	262.7	335.4	335.4	322.2	344.0	337.5
74°	1500.0	1004.3	242.8	206.4	218.3	257.4	333.5	332.2	316.9	336.1	329.5
75°	1181.7	767.5	234.9	203.8	214.4	254.1	330.2	328.9	314.3	334.8	329.5
77.5°	604.1	401.0	216.4	199.2	204.5	249.4	321.5	322.2	303.7	322.8	319.0
80°	385.0	303.7	192.5	183.9	197.1	250.1	316.3	312.9	291.7	312.9	303.7
82.5°	307.0	250.7	156.1	159.5	187.9	246.1	312.9	297.8	276.6	308.3	276.6
85°	246.1	211.0	107.8	117.7	166.7	226.3	298.4	266.7	244.8	249.4	245.5
87.5°	207.8	170.7	50.9	76.7	130.3	173.4	221.7	206.4	189.9	197.8	189.2
90°	210.4	164.1	36.4	58.9	117.7	144.2	176.7	154.9	145.6	148.2	142.9
92.5°	204.5	156.8	37.0	49.0	115.1	158.1	186.6	158.1	139.6	134.3	129.7
95°	138.3	108.5	34.4	38.4	73.4	124.4	150.9	119.8	97.3	86.0	82.8
97.5°	52.9	47.7	29.8	31.7	38.4	66.2	87.4	76.7	52.3	37.7	35.7
100°	8.0	13.2	24.4	29.8	22.5	25.2	36.4	41.0	26.5	2.7	1.9
102.5°	8.6	7.3	9.9	22.5	13.2	5.3	11.3	22.5	14.5	1.3	1.3
105°	9.9	8.0	4.0	9.9	3.3	0.6	0.6	4.6	3.3	0.6	1.3
107.5°	8.6	7.3	2.7	1.9	0.6	0.6	0.0	0.0	0.0	0.6	1.3



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CATALOG NUMBER: LXF.LXT-AF24-50-D-U-T4W-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	4.6	4.6	2.7	1.3	0.6	0.6	0.0	0.0	0.0	1.3	1.3
112.5°	3.3	3.3	1.9	1.3	0.6	0.0	0.0	0.0	0.0	1.3	1.9
115°	4.0	3.3	1.9	0.6	0.0	0.0	0.0	0.0	0.0	1.9	1.9
117.5°	4.0	4.0	1.9	0.6	0.0	0.0	0.0	0.0	0.0	1.9	2.7
120°	4.0	4.0	1.9	0.6	0.0	0.0	0.0	0.0	0.0	1.9	1.9
122.5°	4.0	3.3	1.9	0.6	0.0	0.0	0.0	0.0	0.0	1.3	1.9
125°	3.3	3.3	1.9	0.6	0.0	0.0	0.0	0.0	0.0	1.3	1.3
127.5°	3.3	3.3	1.9	0.6	0.0	0.0	0.0	0.0	0.0	0.6	1.3
130°	2.7	2.7	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
132.5°	1.9	1.9	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	1.9	1.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	1.3	1.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	1.3	1.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	1.3	1.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	1.3	1.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	1.9	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.9	1.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.3	1.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.6	0.0	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)