

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: P255168

Luminaire Tested: **LXF.LXT-AF24-50-D-U-T4W-TL-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P255168  
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-AF24-50-D-U-T4W-TL-7030  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 670mA 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: 5205.1 lumens  
Efficiency: N/A  
Efficacy: 96.4 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: B1 - U3 - G3

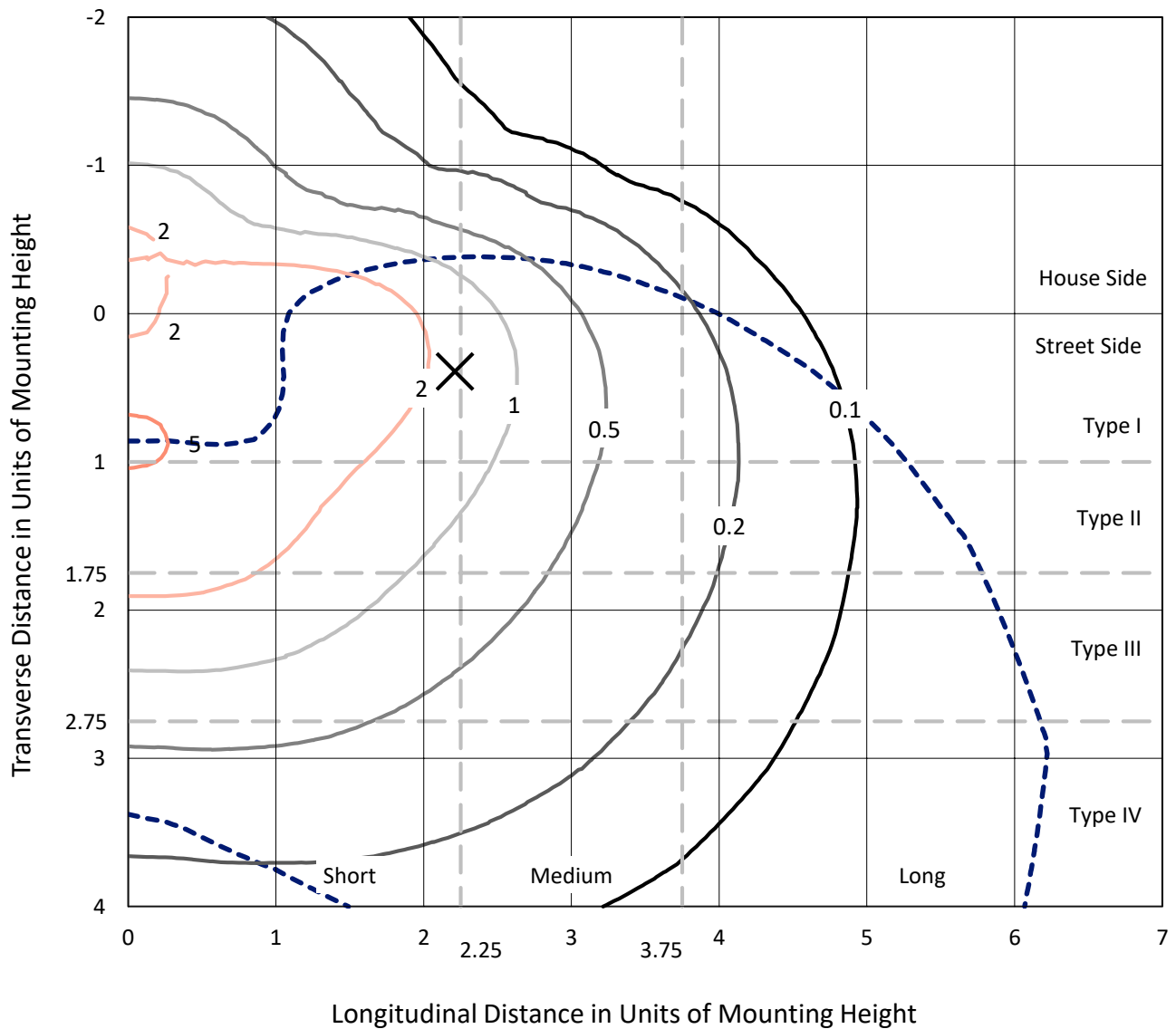
Input Watts (W): 54  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

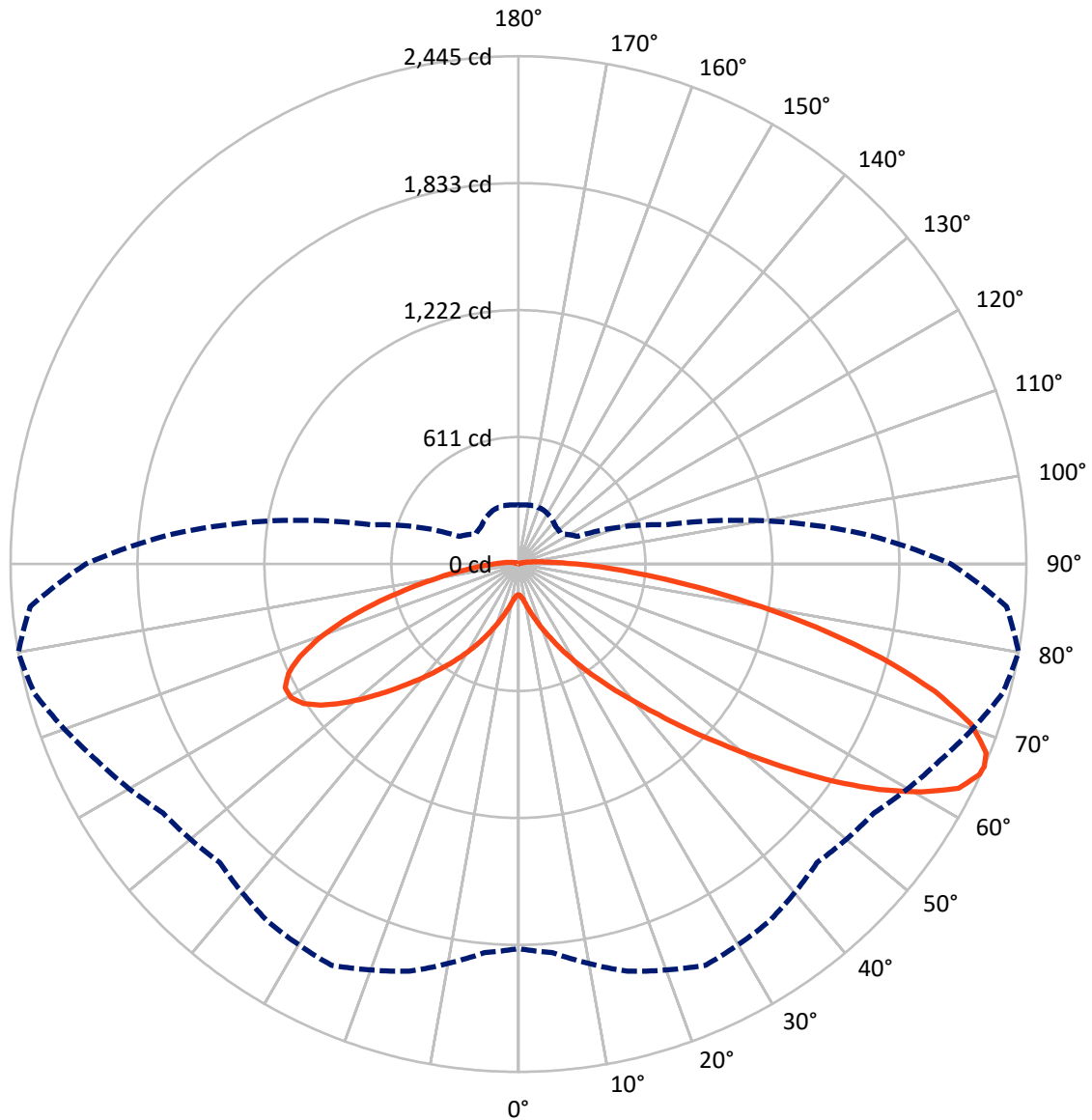


Based on 10 foot mounting height. Maximum calculated value = 5.3 fc  
 Type IV - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



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

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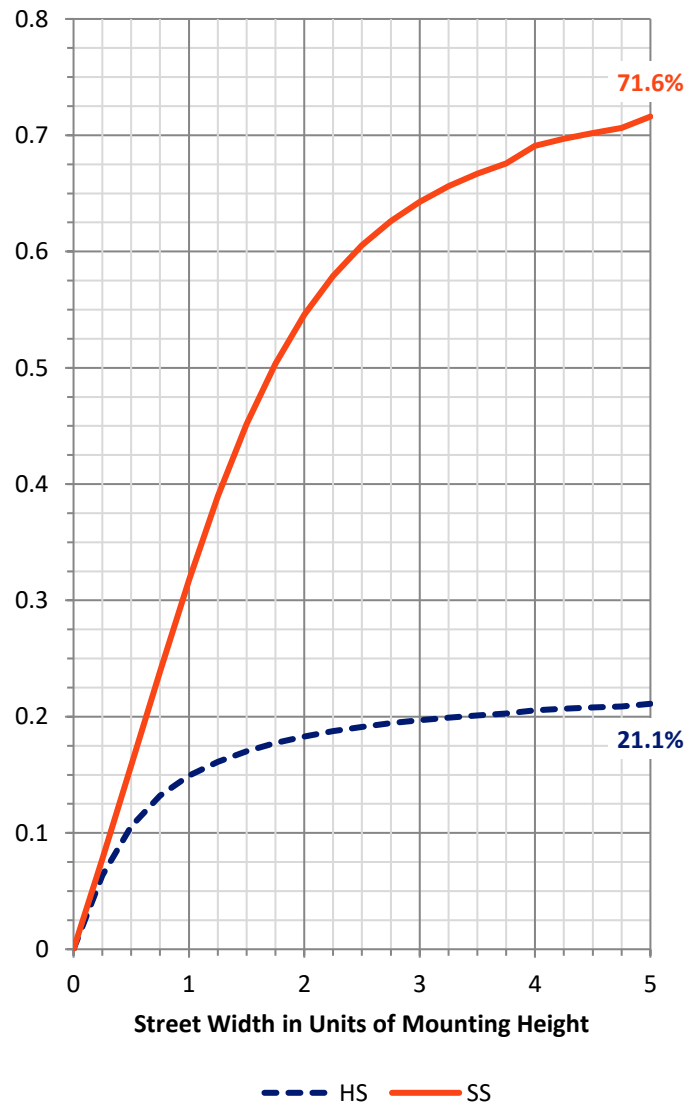
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1154.3	74.4	1228.7
	% Fixture	22.2	1.4	23.6
<b>Street Side</b>	Lumens	3876.7	99.7	3976.4
	% Fixture	74.5	1.9	76.4
<b>Total</b>	Lumens	5031.0	174.1	5205.1
	% Fixture	96.7	3.3	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	16.0	0.3
10°-20°	70.6	1.4
20°-30°	180.4	3.5
30°-40°	357.0	6.9
40°-50°	618.8	11.9
50°-60°	986.7	19.0
60°-70°	1282.8	24.6
70°-80°	1061.0	20.4
80°-90°	457.7	8.8
90°-100°	119.4	2.3
100°-110°	35.2	0.7
110°-120°	13.2	0.3
120°-130°	4.5	0.1
130°-140°	1.5	0.0
140°-150°	0.3	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5031.0	96.7
0°-180°	5205.1	100.0



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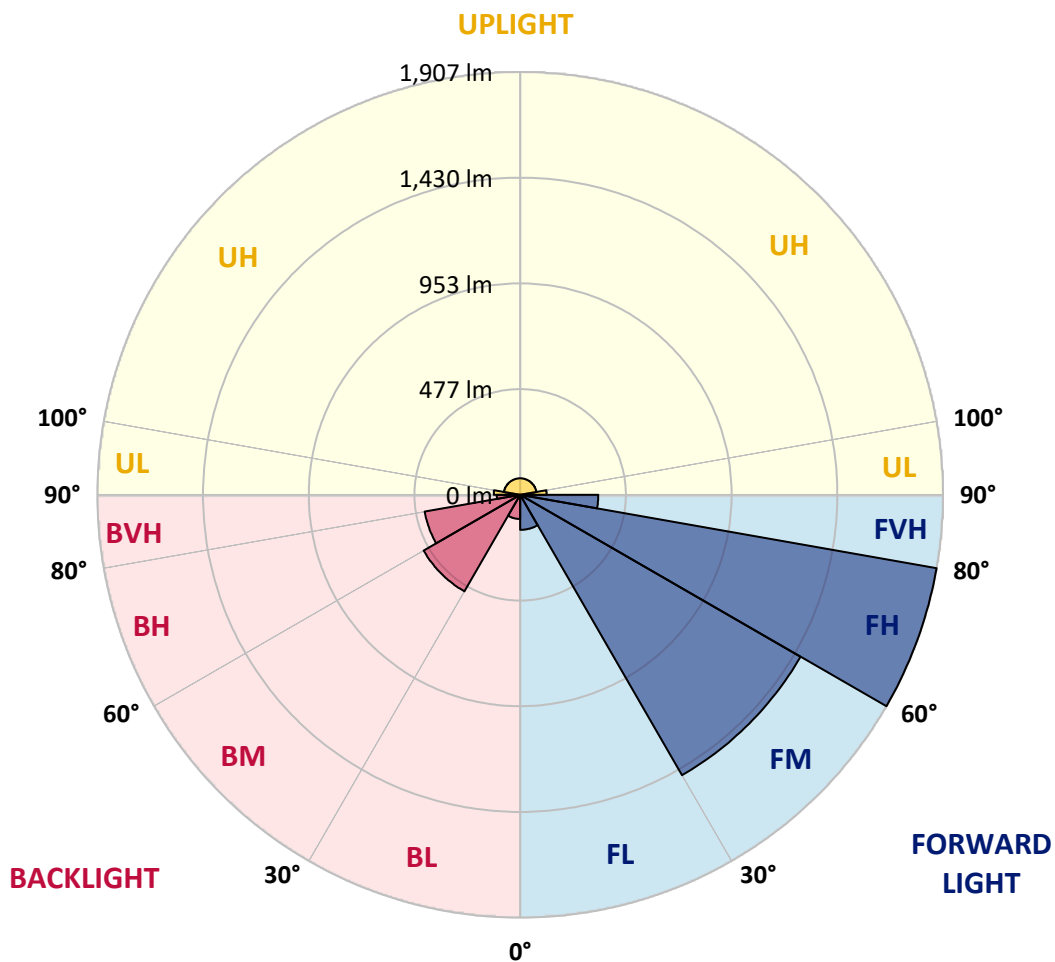
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	158.1	3.0			
FM	(30°-60°)	1459.7	28.0			
FH	(60°-80°)	1906.6	36.6			G2/5000
FVH	(80°-90°)	352.3	6.8			G3/500
BL	(0°-30°)	108.9	2.1	B0/110		
BM	(30°-60°)	502.8	9.7	B1/1000		
BH	(60°-80°)	437.1	8.4	B1/500		G1/500
BVH	(80°-90°)	105.5	2.0			G2/225
UL	(90°-100°)	119.4	2.3		U3/500	
UH	(100°-180°)	74.4	1.4		U3/500	

**BUG Rating: B1-U3-G3**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	80°	85°
0°	148.9	148.9	148.9	148.9	148.9	148.9	148.9	148.9	148.9	148.9	148.9
2.5°	159.5	158.9	159.5	159.5	158.9	158.3	156.3	155.1	153.3	152.0	151.5
5°	172.6	172.1	172.1	172.1	171.4	170.1	167.6	165.2	162.7	160.7	160.2
7.5°	191.4	189.6	189.6	188.9	187.7	185.7	182.7	180.2	177.6	174.5	173.2
10°	217.1	215.8	213.9	212.7	209.6	207.7	204.0	200.8	199.0	196.4	193.9
12.5°	247.7	249.5	248.3	243.3	239.6	236.4	231.4	229.6	227.7	224.5	222.7
15°	287.8	289.0	285.9	280.9	274.7	270.9	265.8	261.4	260.2	256.4	254.0
17.5°	333.5	336.0	330.9	323.4	315.3	306.6	302.7	298.4	296.5	292.9	290.3
20°	387.9	390.4	383.5	372.2	360.3	347.8	343.4	338.4	337.8	334.0	332.1
22.5°	451.7	453.5	442.9	426.6	409.7	393.5	386.6	381.7	382.2	379.1	378.5
25°	525.4	526.1	511.2	489.8	464.2	442.3	432.8	430.4	432.8	431.0	429.7
27.5°	608.7	608.0	594.3	561.1	522.4	492.3	481.1	481.8	487.3	488.6	488.6
30°	700.7	703.1	680.0	636.9	586.1	544.8	532.9	535.5	551.8	551.8	551.8
32.5°	807.7	807.0	780.6	718.2	655.0	604.3	588.7	591.2	611.2	620.6	617.5
35°	927.1	925.9	893.3	813.2	730.1	667.5	646.2	658.1	685.6	696.2	693.8
37.5°	1055.3	1055.3	1017.2	919.0	812.1	736.3	713.1	726.2	765.1	782.7	773.2
40°	1186.7	1187.3	1142.3	1038.4	905.2	811.4	785.1	808.2	862.6	879.5	873.3
42.5°	1318.1	1314.3	1272.5	1156.6	1005.3	895.8	863.9	902.7	969.0	992.7	984.0
45°	1450.6	1448.2	1410.0	1281.2	1114.8	987.1	954.0	1004.0	1090.4	1128.5	1119.8
47.5°	1578.9	1578.9	1543.3	1406.2	1233.6	1091.0	1060.9	1122.8	1232.3	1274.3	1276.1
50°	1699.6	1701.5	1670.9	1543.3	1355.0	1205.4	1179.2	1259.9	1402.6	1448.2	1451.3
52.5°	1812.3	1817.3	1797.2	1685.9	1490.8	1333.1	1314.3	1405.6	1572.7	1639.7	1647.7
55°	1912.4	1914.2	1911.7	1818.5	1630.2	1467.0	1460.7	1570.2	1775.4	1847.2	1847.2
57.5°	1982.4	1993.7	2016.8	1941.1	1775.4	1613.3	1612.1	1740.9	1961.1	2046.9	2041.8
60°	2014.3	2026.9	2085.6	2050.6	1909.9	1760.3	1773.5	1919.2	2158.9	2227.7	2223.2
62.5°	1994.3	2010.6	2106.3	2123.8	2016.8	1897.3	1922.4	2079.4	2297.7	2378.3	2329.6
65°	1901.7	1925.4	2059.3	2140.1	2087.5	2001.8	2049.3	2205.1	2392.8	2440.3	2366.5
66°	1851.1	1877.3	2028.7	2130.7	2101.3	2032.4	2088.7	2238.2	2411.0	2444.6	2359.0
67.5°	1766.6	1787.9	1961.1	2096.9	2107.5	2073.7	2135.7	2270.9	2405.9	2428.4	2318.4
70°	1569.5	1595.8	1787.3	1991.8	2075.6	2100.1	2168.2	2267.0	2344.6	2313.3	2166.9
72.5°	1329.9	1371.2	1561.5	1811.0	1974.9	2060.0	2134.4	2185.0	2182.0	2096.9	1922.4
75°	1059.0	1084.7	1286.2	1556.4	1786.0	1944.3	2018.7	2010.0	1931.7	1804.1	1608.3
77.5°	790.7	816.3	995.3	1261.7	1524.5	1724.6	1792.3	1754.0	1609.0	1467.6	1278.0
80°	556.7	579.3	728.8	977.8	1231.8	1438.2	1494.4	1440.0	1262.4	1122.3	960.8
82.5°	379.6	389.7	514.8	730.6	960.3	1136.1	1190.5	1120.4	950.9	817.6	691.8
85°	233.4	247.7	349.7	520.5	706.3	841.4	883.9	828.8	683.1	576.8	476.7
87.5°	136.3	144.5	216.5	350.9	507.9	618.7	640.6	589.2	468.5	390.4	316.6
90°	73.2	79.4	124.4	218.9	344.7	427.9	444.1	396.6	306.6	249.0	202.6
92.5°	43.1	46.9	74.4	131.9	220.8	281.5	292.9	254.6	192.7	159.5	132.6
95°	28.2	30.7	48.8	82.6	135.7	178.3	183.9	157.7	122.0	105.1	92.0
97.5°	20.6	21.9	35.1	56.3	85.7	109.5	113.8	97.6	80.8	72.5	65.7
100°	16.3	17.5	26.9	41.3	57.6	70.7	71.9	63.8	55.7	51.3	48.8
102.5°	13.7	14.4	21.9	32.6	43.1	50.0	50.7	45.1	39.5	36.9	36.3
105°	11.9	12.6	18.8	26.9	34.4	38.8	38.8	33.8	28.7	26.9	27.6
107.5°	10.1	10.6	15.7	22.5	28.7	31.9	31.2	26.2	21.3	19.3	20.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	80°	85°
110°	8.7	9.4	13.7	19.3	25.0	26.9	25.6	20.6	15.0	13.7	14.4
112.5°	8.0	8.0	11.9	16.9	21.3	22.5	20.6	15.7	10.6	10.1	10.6
115°	6.9	7.5	10.1	14.4	17.5	18.8	16.9	11.9	7.5	7.5	8.0
117.5°	6.2	6.9	8.7	11.9	15.0	15.7	13.7	9.4	5.7	5.7	6.2
120°	5.7	5.7	7.5	10.1	12.6	12.6	10.6	6.9	4.4	4.4	5.0
122.5°	5.0	5.7	6.2	8.0	10.1	10.1	8.0	5.0	3.8	3.8	4.4
125°	4.4	5.0	5.7	6.9	8.0	8.0	6.2	3.8	3.2	3.8	3.8
127.5°	4.4	4.4	5.0	5.7	6.9	6.2	5.0	2.5	3.2	3.2	3.8
130°	3.8	3.8	4.4	4.4	5.0	5.0	3.8	2.5	2.5	3.2	3.2
132.5°	3.2	3.2	3.8	3.8	4.4	3.8	2.5	1.8	2.5	2.5	3.2
135°	2.5	2.5	2.5	3.2	3.2	2.5	1.8	1.8	2.5	2.5	2.5
137.5°	2.5	1.8	2.5	2.5	1.8	1.2	1.2	1.2	1.8	2.5	2.5
140°	1.2	1.2	1.2	1.2	1.2	0.6	0.6	1.2	1.8	1.8	2.5
142.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2	1.8	1.8
145°	0.0	0.0	0.6	0.6	0.0	0.0	0.6	0.6	1.2	1.2	1.8
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.2	1.2
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	1.2
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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°	148.9	148.9	148.9	148.9	148.9	148.9	148.9	148.9	148.9	148.9	148.9
2.5°	150.8	150.1	148.3	147.0	145.8	144.5	144.5	144.5	143.9	143.2	143.2
5°	158.9	157.7	155.1	152.6	149.4	147.0	145.8	145.1	143.9	142.6	142.6
7.5°	172.1	170.1	165.7	160.7	157.7	153.8	152.6	151.5	149.4	148.3	147.6
10°	192.1	188.9	182.0	175.8	169.6	164.6	162.7	161.3	160.2	160.2	160.2
12.5°	218.9	215.2	206.4	195.1	187.7	180.2	177.6	177.0	177.6	178.3	178.3
15°	250.2	243.9	232.7	217.7	207.0	199.0	196.4	196.4	197.6	198.3	198.3
17.5°	286.5	279.0	260.2	242.7	228.4	219.6	215.8	215.8	218.3	219.6	220.1
20°	324.7	316.6	295.2	267.1	249.0	239.0	234.6	235.2	238.3	241.5	242.1
22.5°	368.4	359.0	327.1	292.9	269.0	255.8	250.9	252.7	257.8	262.1	263.4
25°	418.5	406.7	364.7	320.2	287.2	269.7	265.8	269.7	277.1	282.8	283.4
27.5°	472.9	457.9	402.8	345.3	300.9	278.4	275.9	283.4	292.2	299.1	300.3
30°	533.6	514.8	442.9	367.2	311.5	285.2	282.8	292.9	303.4	311.5	312.8
32.5°	601.2	575.5	481.8	386.0	317.8	287.8	286.5	298.4	311.5	319.7	320.9
35°	674.3	640.6	523.1	401.0	320.2	287.2	286.5	300.3	314.0	322.2	322.8
37.5°	755.6	714.4	562.3	412.2	319.7	284.6	284.6	299.1	312.2	319.7	319.7
40°	849.5	794.5	605.6	419.8	316.6	280.2	280.9	294.0	306.6	311.5	312.2
42.5°	956.4	887.0	644.9	422.9	310.3	275.3	275.3	288.3	298.4	300.9	300.9
45°	1079.2	990.2	688.2	422.3	304.1	269.7	270.2	281.5	289.0	289.6	289.0
47.5°	1226.1	1109.7	728.8	419.8	295.2	264.0	265.8	275.9	281.5	280.9	280.2
50°	1387.5	1238.7	768.8	414.1	287.8	260.2	262.8	272.2	277.1	275.3	274.0
52.5°	1562.1	1373.2	804.4	405.4	279.6	257.1	261.4	270.9	275.3	272.2	272.2
55°	1742.8	1506.3	832.7	392.2	272.7	255.2	262.1	270.9	275.9	272.7	272.7
57.5°	1906.7	1620.9	845.7	377.2	267.1	254.6	263.4	274.0	278.4	275.9	275.9
60°	2035.6	1700.9	837.0	359.7	261.4	254.0	265.8	277.7	282.8	279.6	279.6
62.5°	2112.5	1736.5	805.7	340.9	257.1	254.6	269.7	283.4	287.2	283.4	282.1
65°	2109.4	1699.6	753.3	320.9	252.7	254.6	272.2	286.5	289.6	285.2	283.4
66°	2081.9	1667.8	726.2	313.3	251.6	254.0	272.7	286.5	290.3	285.2	283.4
67.5°	2029.9	1602.1	681.9	301.5	248.3	253.4	273.3	287.2	289.6	285.2	282.8
70°	1866.0	1456.3	598.6	281.5	242.7	250.2	271.5	285.2	287.2	283.4	280.9
72.5°	1620.9	1249.3	514.2	261.4	235.2	243.3	266.5	279.0	282.1	278.4	275.9
75°	1331.9	1013.4	429.7	242.1	224.0	233.4	256.4	269.0	272.7	269.7	266.5
77.5°	1035.3	775.7	349.1	223.3	210.8	220.8	242.7	254.0	257.8	254.0	252.1
80°	768.2	573.6	280.2	203.3	195.8	205.2	225.8	235.9	239.6	235.2	234.0
82.5°	551.1	415.9	223.3	181.4	177.6	186.4	205.2	213.9	217.1	214.5	210.3
85°	368.4	286.5	176.5	157.7	158.3	166.4	182.0	187.7	191.4	188.9	185.2
87.5°	249.5	196.4	139.6	133.9	135.7	141.4	155.8	160.2	162.7	159.5	158.9
90°	162.7	135.7	110.7	113.2	115.7	120.0	128.8	130.8	133.9	130.8	130.1
92.5°	110.7	99.4	90.0	94.5	97.6	100.7	105.8	107.0	109.5	107.0	105.8
95°	81.3	76.9	73.2	78.7	82.0	83.8	87.0	86.4	88.2	85.7	84.4
97.5°	62.0	59.4	60.1	65.0	68.2	69.5	70.7	69.5	70.0	67.5	66.3
100°	48.2	46.9	48.8	53.7	56.3	56.3	57.0	55.7	54.4	51.9	50.0
102.5°	36.9	36.9	39.5	44.5	46.3	46.3	45.7	43.8	41.9	39.5	39.5
105°	28.2	28.7	32.6	36.9	38.1	37.5	37.5	35.1	32.6	29.4	29.4
107.5°	21.3	21.9	25.6	30.0	31.2	31.2	30.0	27.6	24.4	21.9	21.9



REPORT NUMBER: P255168

CATALOG NUMBER: LXF.LXT-AF24-50-D-U-T4W-TL-7030

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	15.7	16.9	20.6	24.4	25.6	25.0	24.4	21.3	18.1	16.3	15.7
112.5°	11.9	12.6	16.3	19.3	20.6	20.6	19.3	16.3	13.1	11.9	11.9
115°	8.7	10.1	12.6	15.7	16.3	16.3	15.0	12.6	9.4	8.0	8.7
117.5°	6.9	7.5	10.1	12.6	12.6	12.6	11.3	8.7	6.9	6.2	6.2
120°	5.7	6.2	7.5	9.4	9.4	9.4	8.0	6.2	5.0	4.4	5.0
122.5°	4.4	5.0	5.7	6.9	6.9	6.9	6.2	4.4	3.2	3.2	3.8
125°	4.4	4.4	4.4	5.0	5.0	5.0	4.4	3.2	2.5	2.5	2.5
127.5°	3.8	3.8	3.8	3.8	3.8	3.2	2.5	1.8	1.2	1.8	1.8
130°	3.8	3.8	3.2	3.2	2.5	1.8	1.2	0.6	0.6	1.2	1.2
132.5°	3.2	3.2	3.2	2.5	1.8	1.2	0.6	0.0	0.0	0.6	0.6
135°	3.2	3.2	2.5	1.8	1.2	0.6	0.0	0.0	0.0	0.0	0.0
137.5°	2.5	2.5	2.5	1.8	0.6	0.0	0.0	0.0	0.0	0.0	0.0
140°	2.5	2.5	1.8	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	1.8	1.8	1.8	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	1.8	1.8	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.2	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.6	0.6	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	0.6	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)