

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: P255114

Luminaire Tested: **LXF.LXT-AF24-50-D-U-T3-TL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P255114
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-34)
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-T3-TL-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5240.1 lumens
Efficiency: N/A
Efficacy: 97.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Medium - 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

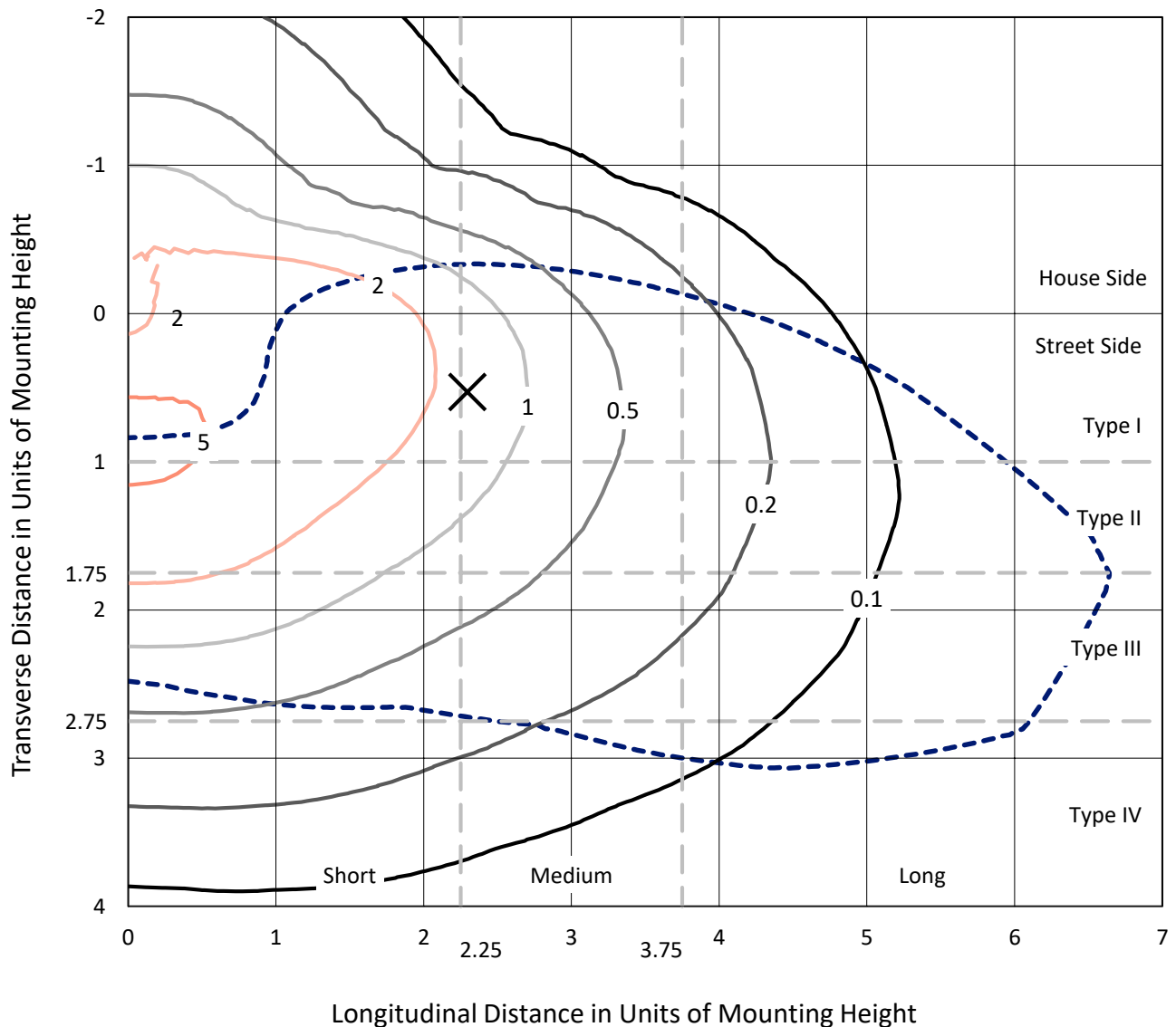


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

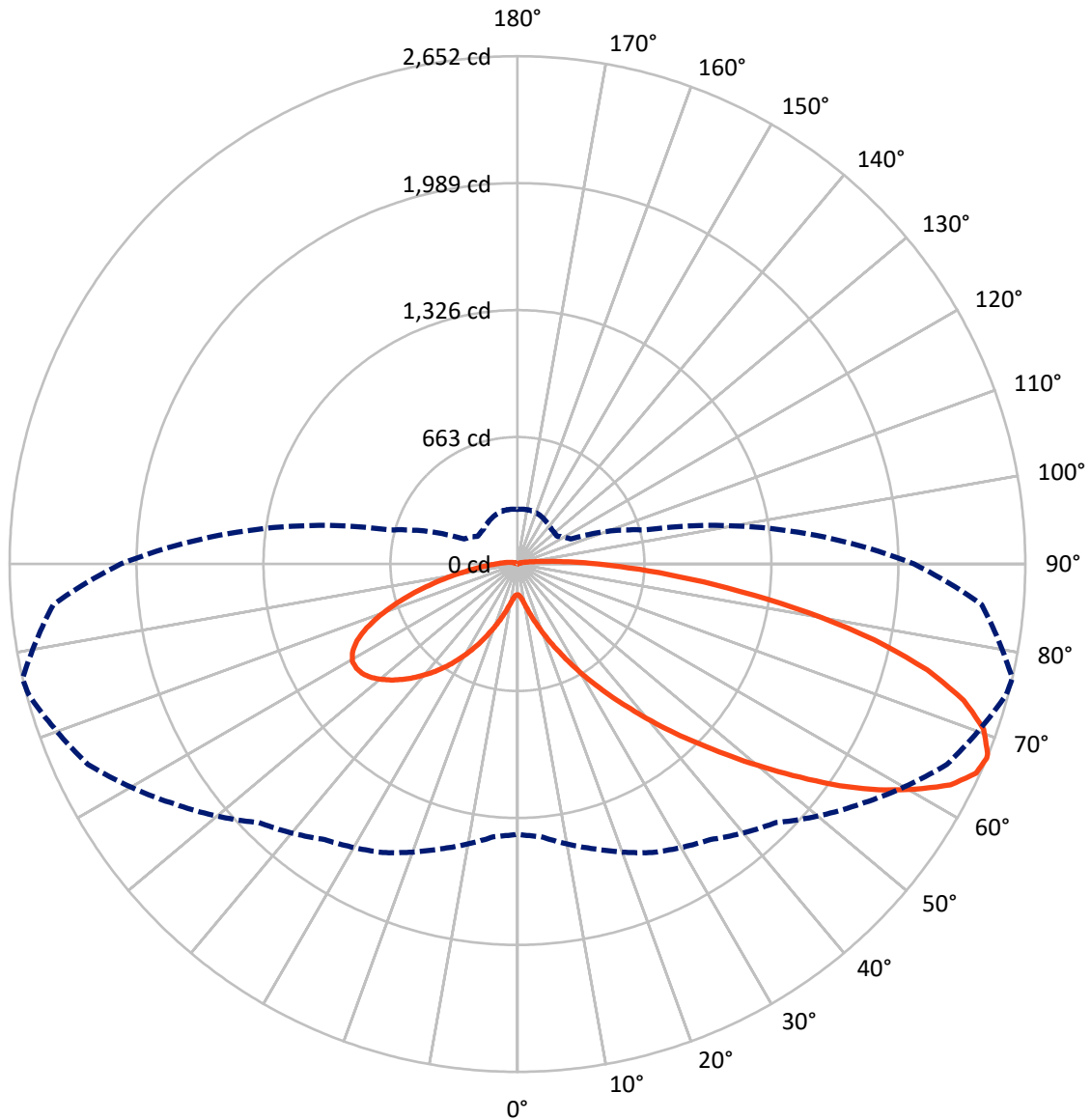


Based on 10 foot mounting height. Maximum calculated value = 5.9 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical



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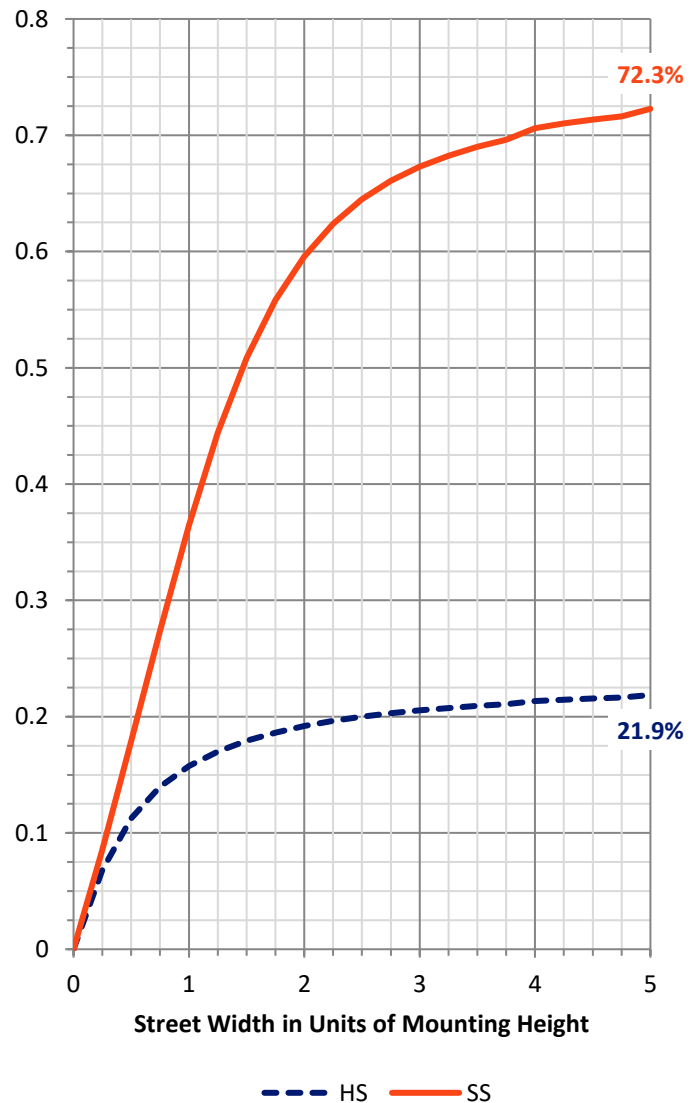
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1196.6	72.2	1268.8
	% Fixture	22.8	1.4	24.2
Street Side	Lumens	3885.1	86.1	3971.3
	% Fixture	74.1	1.6	75.8
Total	Lumens	5081.7	158.4	5240.1
	% Fixture	97.0	3.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.3	0.3
10°-20°	77.5	1.5
20°-30°	203.8	3.9
30°-40°	416.6	8.0
40°-50°	722.2	13.8
50°-60°	1071.1	20.4
60°-70°	1243.0	23.7
70°-80°	938.9	17.9
80°-90°	391.3	7.5
90°-100°	103.7	2.0
100°-110°	33.7	0.6
110°-120°	13.4	0.3
120°-130°	5.1	0.1
130°-140°	1.9	0.0
140°-150°	0.5	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5081.7	97.0
0°-180°	5240.1	100.0



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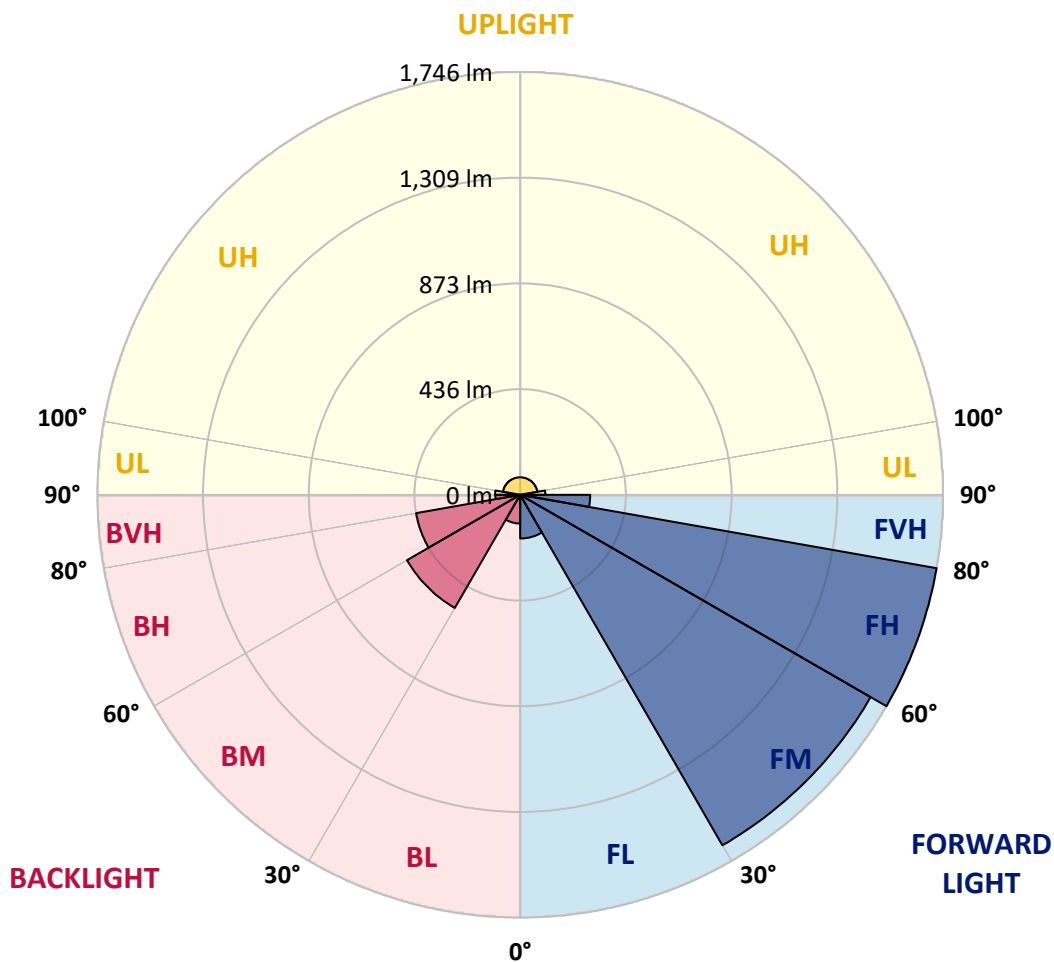
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	180.1	3.4			
FM	(30°-60°)	1670.4	31.9			
FH	(60°-80°)	1745.6	33.3			G1/1800
FVH	(80°-90°)	289.0	5.5			G3/500
BL	(0°-30°)	118.5	2.3	B1/500		
BM	(30°-60°)	539.5	10.3	B1/1000		
BH	(60°-80°)	436.3	8.3	B1/500		G1/500
BVH	(80°-90°)	102.3	2.0			G2/225
UL	(90°-100°)	103.7	2.0		U3/500	
UH	(100°-180°)	72.2	1.4		U3/500	

BUG Rating: B1-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	160.2	160.2	160.2	160.2	160.2	160.2	160.2	160.2	160.2	160.2	160.2
2.5°	168.3	168.3	169.6	169.0	169.0	167.6	167.0	165.2	163.9	163.9	163.3
5°	180.9	180.9	181.4	182.0	180.9	180.2	178.3	175.8	173.9	173.9	172.6
7.5°	199.5	199.5	199.0	199.5	199.0	197.6	195.1	193.9	190.2	190.7	188.9
10°	226.5	226.5	225.2	226.5	223.3	222.2	220.1	218.3	213.9	215.2	212.1
12.5°	264.6	264.6	263.4	261.4	257.1	254.6	253.4	252.1	248.3	249.0	245.2
15°	310.3	309.6	308.4	305.9	299.1	295.9	292.7	290.8	287.8	289.0	285.2
17.5°	364.1	362.8	358.5	354.6	347.8	342.8	338.3	336.5	332.8	333.5	328.5
20°	426.0	424.8	419.1	413.4	403.5	396.6	392.2	387.9	384.0	387.9	378.5
22.5°	499.2	500.4	488.6	479.7	464.8	456.0	450.3	446.7	442.9	446.0	435.4
25°	583.0	582.4	569.2	558.0	536.7	521.7	513.6	511.2	509.1	511.7	504.2
27.5°	679.4	676.9	662.4	638.7	614.9	591.7	581.1	583.0	582.4	584.3	576.8
30°	786.3	785.0	765.1	731.3	700.1	668.6	658.8	658.1	663.8	667.5	652.5
32.5°	904.5	905.8	878.9	835.1	788.9	754.4	745.0	746.2	753.8	753.2	741.9
35°	1035.3	1035.3	1007.2	952.0	890.8	846.3	835.8	847.7	852.0	853.2	836.4
37.5°	1174.7	1172.9	1146.6	1075.3	1005.3	947.1	928.2	943.4	960.2	958.3	940.8
40°	1324.3	1319.3	1284.9	1205.4	1120.4	1050.3	1029.0	1052.1	1076.5	1077.9	1056.5
42.5°	1467.0	1462.6	1426.9	1341.8	1239.9	1167.9	1144.2	1169.7	1204.8	1208.0	1169.7
45°	1600.7	1600.2	1567.7	1480.0	1368.7	1285.6	1261.7	1295.5	1344.3	1344.3	1304.2
47.5°	1727.2	1719.6	1698.3	1610.8	1505.7	1407.5	1384.4	1431.3	1498.8	1500.6	1453.8
50°	1824.1	1819.0	1808.5	1729.0	1622.1	1533.2	1511.9	1582.0	1660.8	1667.8	1610.2
52.5°	1891.1	1886.1	1894.1	1832.3	1735.9	1657.1	1649.6	1736.5	1839.2	1850.5	1781.6
55°	1917.3	1919.1	1945.5	1904.8	1828.5	1765.9	1792.8	1900.4	2021.8	2043.7	1953.5
57.5°	1904.2	1909.9	1956.1	1947.3	1894.1	1853.5	1924.2	2059.3	2205.1	2225.7	2122.5
60°	1835.3	1847.2	1915.5	1938.6	1918.6	1931.7	2040.5	2220.0	2379.0	2388.4	2284.5
62.5°	1723.3	1736.5	1825.9	1886.1	1899.2	1959.9	2125.6	2355.2	2523.5	2539.7	2388.4
65°	1564.5	1583.2	1682.7	1787.2	1839.7	1951.1	2181.3	2442.8	2615.4	2632.3	2440.9
67°	1410.6	1429.4	1539.5	1662.7	1756.6	1909.9	2185.6	2475.3	2642.3	2652.4	2434.0
67.5°	1368.7	1388.1	1498.2	1627.1	1730.2	1893.6	2181.9	2478.4	2642.3	2648.6	2424.7
70°	1139.8	1165.4	1277.4	1425.7	1562.0	1780.9	2126.8	2439.0	2595.5	2583.6	2310.2
72.5°	901.4	925.2	1034.6	1191.7	1348.0	1610.8	2003.0	2322.7	2452.8	2438.4	2122.0
75°	673.7	693.7	798.8	951.4	1117.2	1387.5	1809.2	2133.8	2225.7	2210.8	1861.7
77.5°	482.3	498.6	589.2	729.5	882.7	1144.2	1548.2	1866.0	1923.6	1906.0	1545.7
80°	331.5	350.9	415.9	541.1	672.5	895.2	1248.7	1520.2	1560.1	1541.9	1208.0
82.5°	218.9	229.6	287.2	388.4	497.9	678.7	954.6	1179.1	1213.6	1169.7	895.8
85°	142.6	145.1	188.9	267.1	359.0	493.0	700.1	866.4	882.0	849.5	637.4
87.5°	87.6	91.3	122.0	175.2	247.7	347.2	494.8	605.6	608.0	581.8	430.4
90°	56.3	58.8	78.2	113.8	168.3	236.4	333.5	402.2	400.3	379.6	274.6
92.5°	38.8	40.0	54.4	78.2	109.5	155.8	213.9	254.0	250.2	238.3	173.2
95°	28.2	29.4	40.0	57.0	76.3	102.6	133.3	153.8	149.4	142.0	108.8
97.5°	20.6	21.9	30.7	43.1	57.0	70.7	85.7	92.0	90.6	87.0	72.5
100°	15.7	16.9	23.8	33.8	44.5	52.6	60.1	60.6	58.8	57.6	52.6
102.5°	13.1	13.7	19.3	28.2	36.3	41.9	45.1	44.5	41.9	41.3	38.8
105°	11.3	11.9	16.9	23.8	30.0	35.1	36.3	34.4	31.2	30.7	29.4
107.5°	10.1	10.1	14.4	20.6	26.2	29.4	30.0	26.9	23.2	22.5	21.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
110°	8.7	8.7	12.6	17.5	22.5	25.0	25.0	21.3	16.3	15.7	16.3
112.5°	7.5	8.0	10.6	15.0	19.3	21.3	20.6	16.9	11.9	11.3	11.9
115°	6.9	6.9	9.4	13.1	16.3	18.1	16.9	12.6	8.7	8.0	8.7
117.5°	6.2	6.2	8.0	11.3	13.7	15.0	13.7	10.1	6.2	6.2	6.9
120°	5.7	5.7	6.9	9.4	11.9	12.6	10.6	7.5	5.0	5.0	5.7
122.5°	5.0	5.0	6.2	8.0	10.1	10.1	8.7	5.7	3.8	3.8	4.4
125°	4.4	5.0	5.7	6.9	8.0	8.0	6.9	4.4	3.2	3.8	4.4
127.5°	4.4	4.4	5.0	5.7	6.9	6.9	5.7	3.2	3.2	3.2	3.8
130°	3.8	3.8	4.4	5.0	5.7	5.7	4.4	2.5	3.2	3.2	3.8
132.5°	3.8	3.8	3.8	4.4	4.4	4.4	3.2	2.5	2.5	3.2	3.2
135°	3.2	3.2	3.2	3.8	3.8	3.2	1.8	1.8	2.5	2.5	3.2
137.5°	2.5	2.5	3.2	2.5	2.5	2.5	1.8	1.8	2.5	2.5	2.5
140°	2.5	2.5	2.5	1.8	1.8	1.2	1.2	1.8	1.8	2.5	2.5
142.5°	1.2	1.8	1.8	1.2	1.2	0.6	1.2	1.2	1.8	1.8	1.8
145°	0.6	0.6	1.2	0.6	0.6	0.6	0.6	1.2	1.2	1.8	1.8
147.5°	0.0	0.6	0.6	0.6	0.0	0.0	0.6	0.6	1.2	1.2	1.2
150°	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	1.2	1.2	1.2
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	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°	160.2	160.2	160.2	160.2	160.2	160.2	160.2	160.2	160.2	160.2	160.2
2.5°	162.7	162.0	160.2	158.9	158.3	157.7	157.0	156.3	156.3	156.3	156.3
5°	171.4	170.8	167.6	165.2	163.3	161.3	160.2	158.9	158.3	157.7	157.0
7.5°	187.1	185.2	181.4	177.0	172.6	169.0	166.4	165.2	163.3	162.7	162.0
10°	210.3	208.3	201.5	193.9	187.1	181.4	177.0	174.5	173.2	172.0	172.0
12.5°	242.1	240.8	228.9	219.6	206.4	197.6	192.7	190.7	190.2	188.9	189.6
15°	280.2	277.7	262.1	247.7	230.2	219.6	212.1	208.9	207.7	205.9	206.4
17.5°	324.1	315.9	297.7	275.9	254.6	241.5	231.4	225.8	224.0	222.7	223.3
20°	372.2	364.1	336.5	305.3	279.6	262.8	249.0	242.1	239.6	239.6	239.6
22.5°	427.9	417.3	379.1	337.2	303.4	279.6	264.0	257.1	254.6	254.6	255.2
25°	491.6	474.1	425.3	370.9	325.9	294.0	277.7	270.2	268.3	268.3	269.0
27.5°	561.1	537.3	472.9	401.6	342.2	304.1	286.5	280.2	279.0	279.0	279.6
30°	636.8	605.6	521.7	429.2	354.6	310.3	291.5	286.5	285.9	286.5	286.5
32.5°	716.8	681.2	569.9	452.3	362.8	313.3	294.7	291.5	290.8	292.2	290.8
35°	803.8	756.3	618.1	471.0	367.8	314.0	295.9	294.0	294.0	293.4	292.7
37.5°	897.7	834.5	662.4	484.8	367.8	312.8	295.2	294.7	294.7	293.4	292.2
40°	1005.3	919.5	703.7	493.0	364.1	308.9	294.0	294.0	293.4	290.8	289.6
42.5°	1109.7	1007.8	743.2	494.2	357.9	304.1	292.2	293.4	292.2	287.2	285.9
45°	1226.1	1103.5	778.2	492.3	349.1	299.1	290.3	292.7	290.3	284.0	282.8
47.5°	1361.2	1206.7	808.8	484.8	337.8	293.4	287.8	290.8	289.6	282.1	280.9
50°	1500.0	1309.9	833.2	474.1	326.5	288.3	285.9	290.3	289.0	280.9	279.6
52.5°	1645.2	1416.9	850.8	457.2	314.6	283.4	284.0	289.6	289.6	281.5	280.2
55°	1789.1	1513.8	858.9	436.1	302.1	279.0	282.1	289.6	291.5	283.4	282.1
57.5°	1921.7	1592.0	854.5	411.6	290.3	274.0	280.9	289.0	292.7	285.2	284.0
60°	2032.4	1660.8	835.8	385.3	280.2	269.7	279.0	289.0	293.4	287.8	286.5
62.5°	2100.0	1685.3	797.6	357.2	270.2	264.6	275.9	287.8	292.7	288.3	287.2
65°	2113.1	1666.4	743.2	330.3	260.8	259.0	270.9	284.0	290.8	288.3	286.5
67°	2071.8	1610.8	686.2	308.9	252.7	253.4	266.5	280.2	288.3	287.8	285.2
67.5°	2053.6	1590.2	671.8	303.4	251.6	251.6	265.3	279.0	287.8	287.2	285.2
70°	1932.4	1466.3	589.2	277.1	241.5	243.3	257.1	272.7	282.1	282.8	281.5
72.5°	1739.1	1293.0	506.1	252.1	230.2	232.7	246.5	262.1	272.7	274.0	272.2
75°	1484.4	1089.1	423.5	229.6	217.7	219.6	233.4	248.3	259.6	261.4	259.6
77.5°	1227.3	871.4	346.0	208.3	202.6	205.9	217.7	231.4	242.1	243.3	242.1
80°	939.0	661.2	275.9	188.3	186.4	189.6	199.5	211.4	220.8	222.2	220.8
82.5°	689.3	484.8	218.3	168.3	167.6	170.8	178.8	190.2	197.6	198.3	196.4
85°	491.6	342.2	173.9	146.4	147.6	148.9	156.3	165.2	171.4	172.0	168.3
87.5°	329.6	233.4	135.7	125.7	127.0	127.0	131.3	138.9	143.2	142.6	139.6
90°	215.2	158.9	109.5	107.0	107.6	107.6	109.5	114.5	118.2	116.4	114.5
92.5°	138.9	111.3	90.0	91.3	91.3	90.0	90.6	94.5	96.3	94.5	93.2
95°	94.5	82.0	75.1	76.9	77.6	75.1	75.1	76.9	78.2	75.7	73.9
97.5°	68.2	63.2	62.0	65.0	64.5	62.6	61.3	62.0	62.6	59.4	58.1
100°	51.3	50.0	50.7	54.4	53.7	51.9	50.7	50.0	49.3	46.3	45.7
102.5°	40.0	39.5	41.9	45.1	44.5	42.5	41.3	40.7	39.5	35.6	35.6
105°	30.7	31.2	34.4	37.5	36.9	35.6	34.4	33.1	30.7	27.6	27.6
107.5°	23.2	24.4	28.2	31.2	30.7	29.4	28.2	26.9	23.8	21.3	21.3



REPORT NUMBER: P255114

CATALOG NUMBER: LXF.LXT-AF24-50-D-U-T3-TL-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	17.5	18.8	22.5	25.6	25.0	24.4	23.2	21.3	18.1	16.3	15.7
112.5°	13.1	14.4	18.1	20.6	20.6	20.0	18.8	16.9	13.7	12.6	11.9
115°	10.1	11.3	14.4	16.3	16.3	15.7	15.0	13.1	10.1	9.4	9.4
117.5°	8.0	8.7	11.3	13.1	13.1	12.6	11.9	10.1	7.5	7.5	7.5
120°	6.2	6.9	8.7	10.1	10.1	9.4	8.7	7.5	5.7	5.7	5.7
122.5°	5.7	5.7	6.9	8.0	7.5	7.5	6.9	5.7	4.4	4.4	4.4
125°	4.4	5.0	5.7	6.2	5.7	5.7	5.0	4.4	3.8	3.8	3.8
127.5°	4.4	4.4	4.4	4.4	4.4	4.4	3.8	3.2	2.5	3.2	3.2
130°	3.8	3.8	3.8	3.8	3.2	3.2	2.5	1.8	1.8	2.5	2.5
132.5°	3.8	3.8	3.8	3.2	2.5	1.8	1.8	1.2	1.8	1.8	1.8
135°	3.2	3.2	3.2	2.5	1.8	1.2	0.6	0.6	1.2	1.2	1.2
137.5°	3.2	3.2	2.5	2.5	1.8	0.6	0.0	0.6	0.6	0.6	0.6
140°	2.5	2.5	2.5	1.8	1.2	0.6	0.0	0.0	0.6	0.6	0.0
142.5°	2.5	2.5	1.8	1.2	0.6	0.0	0.0	0.0	0.6	0.0	0.0
145°	1.8	1.8	1.8	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	1.8	1.8	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.2	1.2	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.2	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.6	0.6	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)