

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: P255222

Luminaire Tested: **LXF.LXT-AF24-50-D-U-SL3-TL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P255222
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-36)
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-SL3-TL-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5019.3 lumens
Efficiency: N/A
Efficacy: 93.0 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

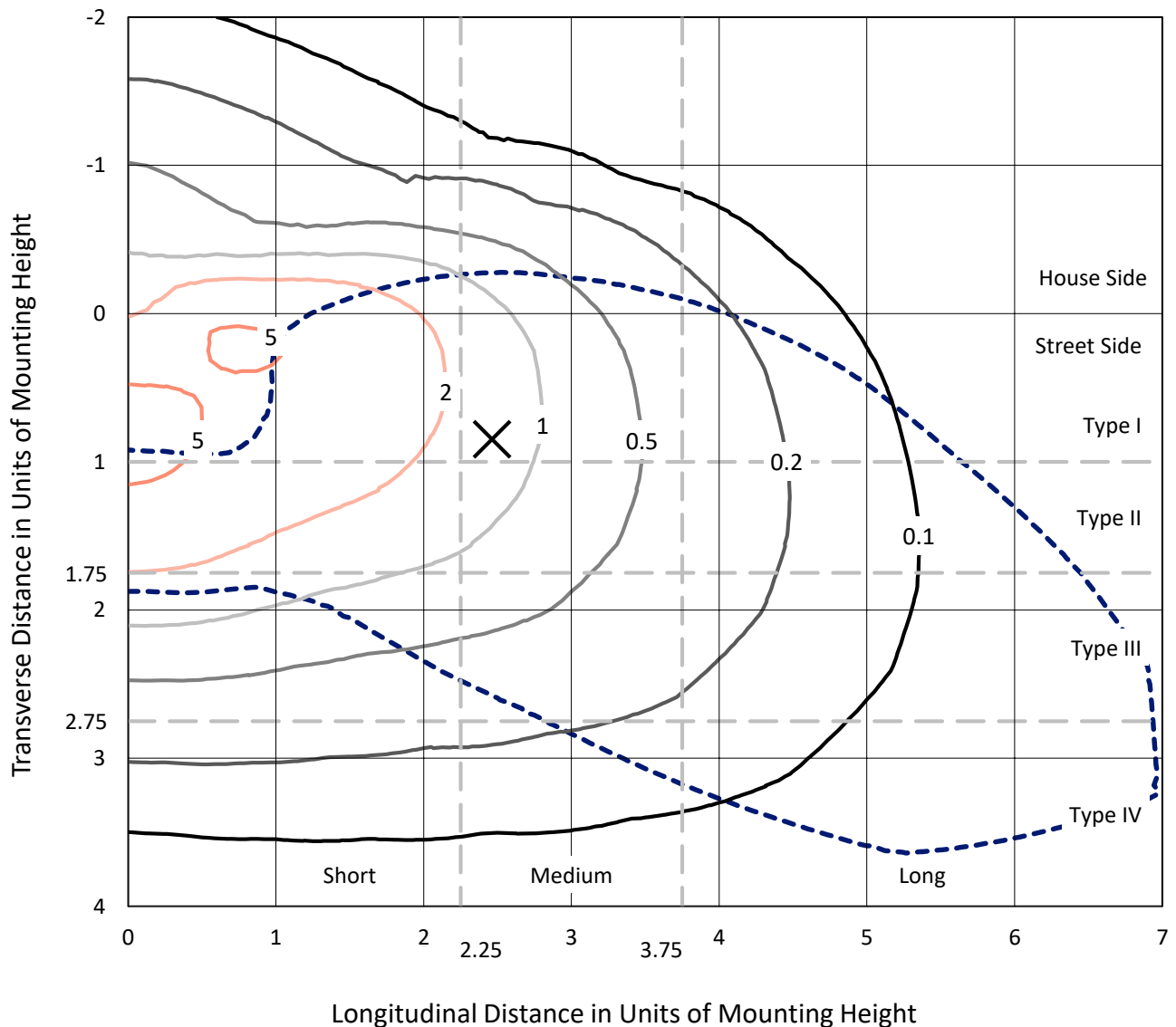


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

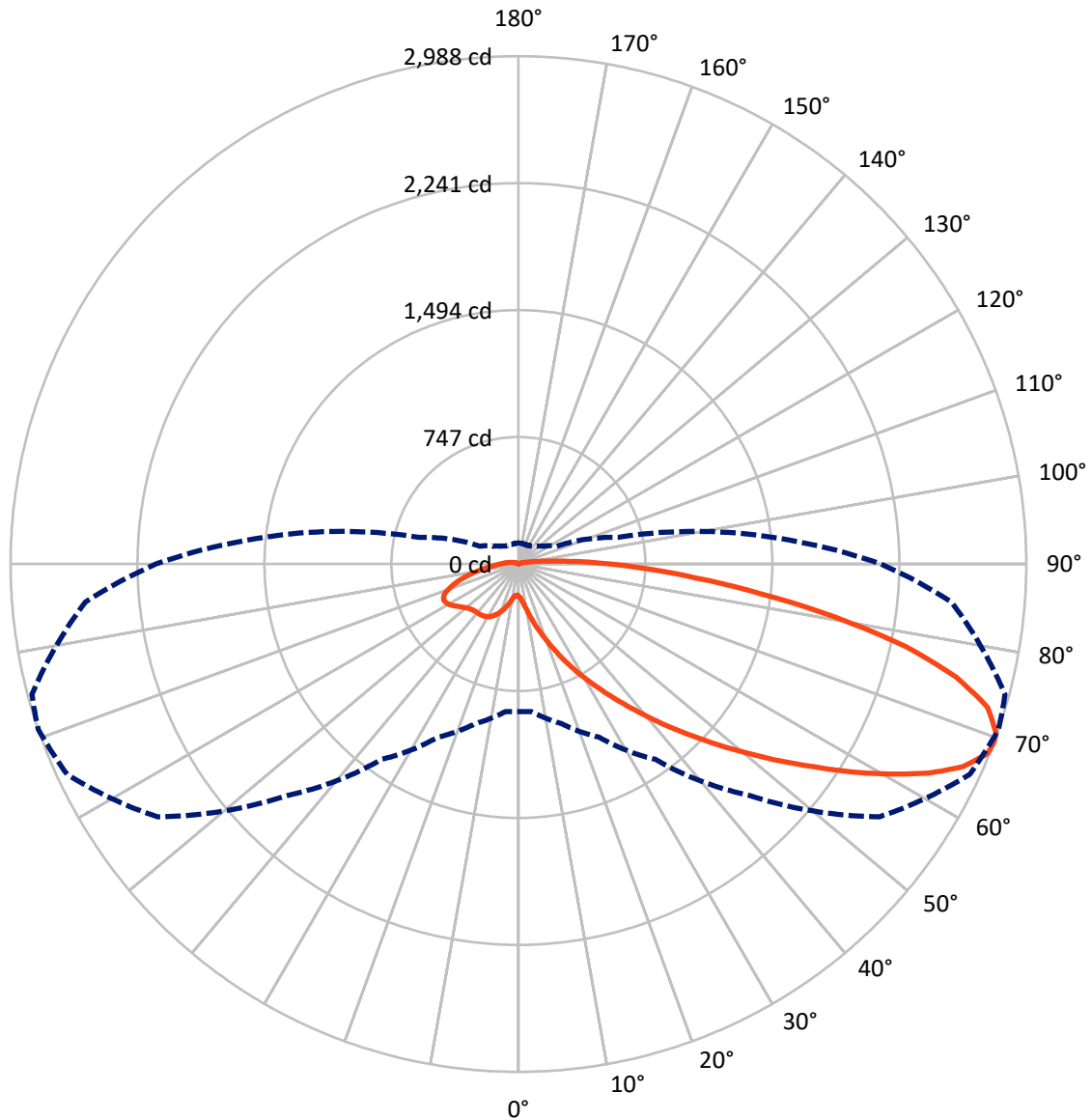


Based on 10 foot mounting height. Maximum calculated value = 6.1 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 71-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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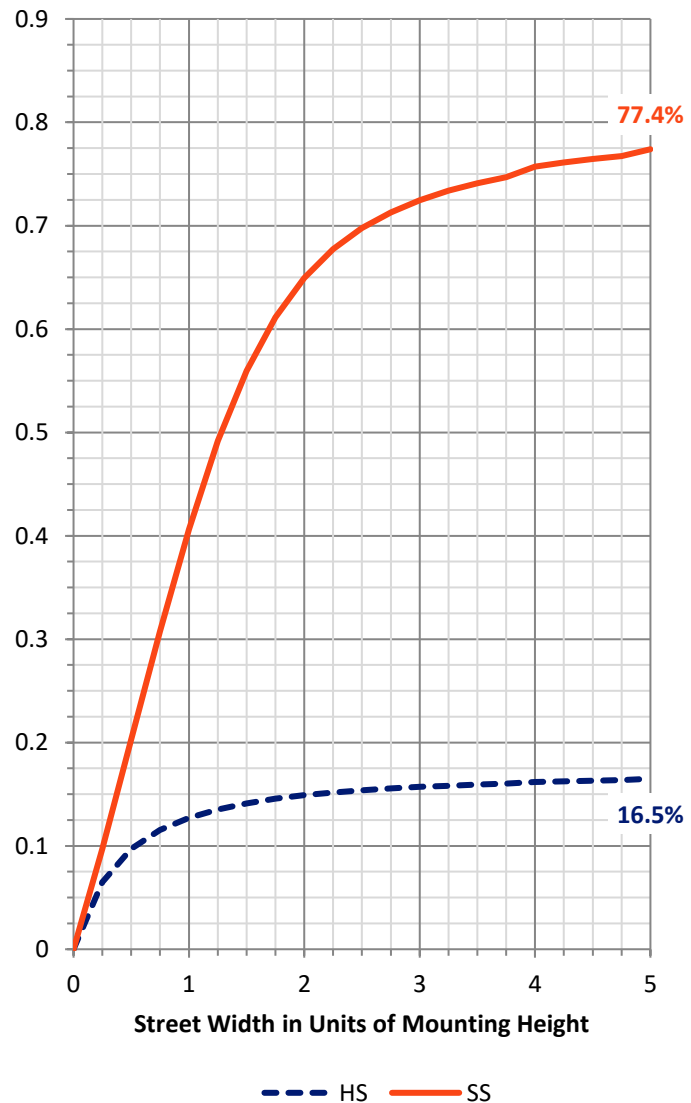
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	862.3	64.1	926.4
	% Fixture	17.2	1.3	18.5
Street Side	Lumens	3993.8	99.2	4092.9
	% Fixture	79.6	2.0	81.5
Total	Lumens	4856.1	163.3	5019.3
	% Fixture	96.7	3.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.7	0.4
10°-20°	81.7	1.6
20°-30°	197.4	3.9
30°-40°	384.4	7.7
40°-50°	657.8	13.1
50°-60°	981.7	19.6
60°-70°	1180.4	23.5
70°-80°	944.6	18.8
80°-90°	408.3	8.1
90°-100°	109.7	2.2
100°-110°	33.7	0.7
110°-120°	12.8	0.3
120°-130°	4.7	0.1
130°-140°	1.8	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°	4856.1	96.7
0°-180°	5019.3	100.0

Coefficient of Utilization



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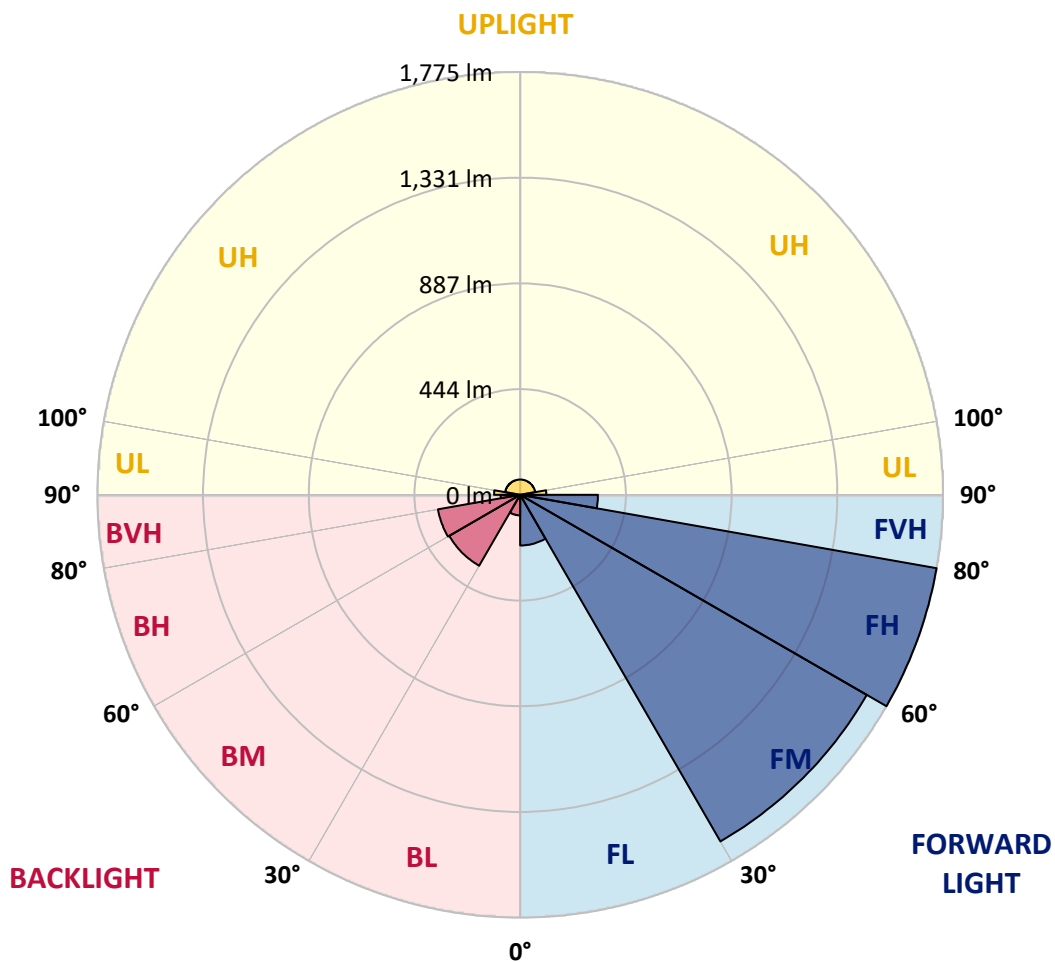
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	212.6	4.2			
FM	(30°-60°)	1679.9	33.5			
FH	(60°-80°)	1774.8	35.4			G1/1800
FVH	(80°-90°)	326.4	6.5			G3/500
BL	(0°-30°)	86.3	1.7	B0/110		
BM	(30°-60°)	343.9	6.9	B1/1000		
BH	(60°-80°)	350.2	7.0	B1/500		G1/500
BVH	(80°-90°)	81.9	1.6			G1/100
UL	(90°-100°)	109.7	2.2		U3/500	
UH	(100°-180°)	64.1	1.3		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°	71°	75°	85°
0°	188.3	188.3	188.3	188.3	188.3	188.3	188.3	188.3	188.3	188.3	188.3
2.5°	213.3	213.3	212.6	213.3	210.1	208.9	205.2	201.4	198.9	198.3	192.7
5°	238.3	238.3	237.6	237.6	234.0	231.4	226.3	220.1	217.0	214.4	205.2
7.5°	267.0	266.5	265.8	266.5	263.4	257.7	253.3	245.2	242.0	237.1	225.2
10°	302.1	300.8	301.4	299.6	294.6	292.0	287.7	278.9	275.3	271.4	257.7
12.5°	344.6	344.6	343.4	339.6	334.7	333.3	331.5	326.4	321.4	316.6	297.0
15°	392.1	390.9	389.1	384.0	379.6	377.2	379.6	376.5	372.8	366.4	343.9
17.5°	446.6	444.0	441.0	434.7	427.7	429.1	431.6	429.1	424.0	422.2	395.3
20°	506.6	506.0	499.8	489.1	482.8	479.1	485.9	489.1	484.7	482.8	452.3
22.5°	577.9	573.5	565.4	552.3	541.1	534.8	542.3	553.5	552.3	549.8	517.3
25°	661.1	654.3	646.0	623.0	604.2	593.5	604.2	619.8	626.0	623.6	585.4
27.5°	754.3	744.9	731.8	704.8	674.2	653.0	668.0	688.7	704.2	705.5	659.3
30°	855.6	847.6	830.0	790.6	747.5	721.1	733.0	764.3	786.2	787.4	736.7
32.5°	971.4	962.6	927.5	885.6	830.0	793.7	805.6	846.2	872.6	881.2	821.2
35°	1095.8	1086.4	1057.0	991.3	919.4	872.6	885.6	936.3	968.1	981.3	911.2
37.5°	1228.4	1212.8	1178.9	1105.8	1024.6	964.4	970.7	1030.1	1073.9	1090.7	1012.0
40°	1357.9	1351.5	1305.9	1220.2	1122.1	1057.0	1062.6	1132.0	1187.1	1206.4	1119.6
42.5°	1490.4	1476.1	1432.9	1333.4	1225.3	1154.6	1168.3	1246.5	1314.1	1335.3	1232.1
45°	1616.8	1604.3	1549.2	1443.6	1331.0	1260.3	1279.7	1376.5	1446.7	1474.8	1360.4
47.5°	1731.2	1715.0	1659.3	1544.8	1434.8	1371.6	1396.7	1511.7	1593.6	1626.1	1504.2
50°	1813.8	1800.7	1743.8	1631.8	1529.8	1488.5	1534.9	1658.7	1751.2	1795.0	1660.5
52.5°	1850.1	1843.9	1789.4	1688.7	1612.4	1604.9	1689.9	1816.9	1922.0	1969.5	1827.6
55°	1836.9	1827.6	1796.9	1716.3	1675.6	1718.1	1852.6	1997.7	2105.2	2156.6	2007.1
57.5°	1762.5	1756.3	1753.7	1703.2	1712.4	1826.3	2013.3	2200.3	2306.0	2347.3	2186.6
60°	1636.1	1632.5	1658.0	1655.5	1721.8	1914.4	2182.8	2414.8	2508.7	2556.2	2362.3
62.5°	1447.9	1456.7	1515.4	1566.1	1691.3	1973.2	2337.9	2610.6	2708.7	2743.2	2498.6
65°	1227.7	1243.4	1322.1	1425.4	1620.6	1997.7	2478.0	2780.7	2874.5	2887.0	2585.6
67.5°	983.3	1008.3	1102.0	1245.2	1499.1	1975.2	2566.2	2895.2	2976.4	2960.8	2593.0
69°	868.1	871.3	970.7	1124.5	1402.9	1927.0	2593.0	2928.9	2987.7	2963.3	2556.2
70°	783.7	788.7	886.8	1045.7	1331.6	1880.2	2592.5	2937.1	2981.4	2943.3	2520.5
72.5°	580.3	599.2	696.7	860.6	1148.4	1718.1	2508.7	2892.1	2887.7	2818.9	2329.7
75°	421.5	437.1	531.0	693.0	967.0	1504.8	2302.8	2705.7	2662.5	2574.3	2038.3
77.5°	300.8	305.3	388.4	544.7	798.0	1259.6	1988.3	2372.9	2327.9	2195.9	1669.3
80°	203.2	207.0	275.3	412.1	642.3	1035.1	1636.8	1945.2	1885.0	1741.8	1267.2
82.5°	131.3	138.2	192.0	302.7	502.8	835.0	1292.7	1506.6	1437.9	1309.7	931.9
85°	91.9	93.9	133.2	218.9	377.8	646.0	981.9	1121.4	1050.1	944.4	650.4
87.5°	61.3	63.2	93.9	158.9	275.3	472.9	713.7	795.5	734.2	649.2	433.4
90°	38.8	41.9	65.0	113.2	198.3	330.2	493.6	532.8	489.1	419.7	268.9
92.5°	27.6	28.7	45.7	81.3	140.7	226.3	322.1	337.7	300.3	254.6	162.6
95°	18.8	20.0	33.1	58.1	101.3	152.6	205.2	205.7	175.8	150.1	103.2
97.5°	13.7	15.0	25.0	43.1	72.5	104.5	130.7	123.8	105.7	91.9	71.9
100°	11.3	11.9	20.0	33.1	52.6	73.8	85.7	77.6	68.2	61.3	52.6
102.5°	9.4	10.1	16.9	26.9	39.5	52.6	58.1	51.9	46.3	42.5	39.5
105°	8.0	8.7	14.4	22.5	31.9	38.8	41.3	36.9	33.8	31.2	29.4
107.5°	7.5	8.0	12.4	19.3	26.2	31.2	32.6	28.2	25.0	22.5	21.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
110°	6.9	7.5	11.3	16.9	22.5	26.2	25.6	21.9	18.1	15.7	15.7
112.5°	6.2	6.9	10.1	15.0	19.3	21.9	21.3	16.3	13.1	11.3	11.3
115°	5.7	6.2	8.7	13.1	16.9	18.1	16.9	12.4	9.4	7.5	8.7
117.5°	5.0	5.7	7.5	11.3	14.4	15.0	13.1	9.4	6.9	5.7	6.2
120°	5.0	5.0	6.9	9.4	11.9	12.4	10.6	6.9	5.0	4.4	5.0
122.5°	4.4	5.0	6.2	8.0	10.1	10.1	8.0	5.0	3.8	3.8	4.4
125°	4.4	4.4	5.0	6.9	8.0	8.0	6.2	3.8	3.2	3.8	4.4
127.5°	3.8	4.4	5.0	6.2	6.9	6.9	5.0	3.2	3.2	3.2	3.8
130°	3.8	3.8	4.4	5.0	5.7	5.0	3.8	2.5	2.5	3.2	3.8
132.5°	3.8	3.8	3.8	4.4	5.0	3.8	2.5	2.5	2.5	2.5	3.8
135°	3.2	3.2	3.2	3.8	3.8	2.5	1.8	1.8	2.5	2.5	3.2
137.5°	2.5	2.5	2.5	2.5	2.5	1.8	1.2	1.8	1.8	2.5	3.2
140°	1.8	1.8	1.8	1.8	1.8	0.6	1.2	1.2	1.8	1.8	2.5
142.5°	1.2	1.2	1.2	1.8	1.2	0.6	0.6	1.2	1.8	1.8	2.5
145°	0.6	0.6	1.2	1.2	0.6	0.0	0.6	1.2	1.2	1.8	1.8
147.5°	0.0	0.0	0.6	0.6	0.0	0.0	0.0	0.6	1.2	1.2	1.8
150°	0.0	0.0	0.6	0.6	0.0	0.0	0.0	0.6	0.6	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	1.2
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°	188.3	188.3	188.3	188.3	188.3	188.3	188.3	188.3	188.3	188.3	188.3
2.5°	190.7	188.9	184.5	180.2	175.8	172.6	170.1	169.5	167.6	165.7	166.4
5°	200.8	196.3	188.9	179.5	170.8	163.3	157.7	152.6	149.4	145.8	146.4
7.5°	218.9	212.1	198.9	183.2	169.0	157.0	145.8	139.6	134.5	131.9	131.3
10°	246.4	237.1	215.1	192.7	170.8	153.2	139.6	131.3	126.3	123.3	123.3
12.5°	285.1	271.4	240.2	207.7	177.6	153.8	137.5	129.5	124.4	122.6	122.6
15°	327.8	309.6	267.6	223.3	184.5	155.7	138.2	129.5	125.1	123.3	122.6
17.5°	375.3	350.8	294.6	236.4	190.1	159.5	138.9	129.5	125.1	123.8	123.3
20°	426.5	395.9	322.1	248.9	194.5	160.1	138.2	128.8	125.7	125.1	125.1
22.5°	484.1	444.0	348.3	259.6	197.0	158.2	136.3	128.3	126.3	127.0	127.0
25°	544.1	494.1	373.3	265.8	194.5	153.8	134.5	128.3	127.7	129.5	129.5
27.5°	607.9	544.1	395.3	270.2	189.4	147.6	131.3	128.3	128.8	131.3	131.3
30°	674.9	595.5	414.1	269.6	183.2	142.6	129.5	127.7	130.1	133.9	133.9
32.5°	745.4	648.6	429.7	265.8	175.8	138.9	127.7	128.3	131.9	136.3	137.0
35°	818.2	698.6	442.2	258.3	169.0	135.7	127.7	129.5	133.9	138.9	139.6
37.5°	898.7	754.9	453.4	251.4	163.9	134.5	128.3	130.1	135.1	140.7	141.9
40°	985.7	816.1	461.6	242.7	160.1	135.1	129.5	131.3	135.7	141.9	143.2
42.5°	1078.3	878.8	470.4	235.8	157.0	135.7	131.3	131.9	136.3	143.2	144.4
45°	1183.4	948.8	480.3	229.6	156.3	138.2	132.6	131.9	135.7	144.4	145.1
47.5°	1303.5	1036.4	495.4	225.2	156.3	140.1	133.9	131.9	135.1	144.4	145.8
50°	1434.8	1128.3	513.5	223.9	158.2	142.6	135.1	131.9	134.5	141.9	143.2
52.5°	1574.2	1232.1	537.9	224.5	160.7	144.4	136.3	131.3	132.6	138.2	138.9
55°	1729.3	1342.8	565.4	228.3	164.6	147.0	137.0	130.1	130.1	133.9	133.9
57.5°	1881.3	1457.9	595.5	232.6	169.5	149.4	137.0	128.8	128.3	130.7	130.7
60°	2022.1	1554.2	624.9	238.3	173.8	150.8	136.3	127.7	126.3	128.3	128.8
62.5°	2139.7	1632.5	643.0	244.5	177.6	151.4	135.1	126.3	125.1	127.0	127.0
65°	2190.9	1669.9	646.7	248.9	181.4	150.8	133.2	124.4	123.8	125.1	125.7
67.5°	2182.1	1648.7	628.6	249.5	182.7	150.1	131.3	122.6	122.6	123.8	123.8
69°	2132.0	1603.1	605.4	248.3	182.7	148.3	129.5	121.4	122.0	123.3	123.3
70°	2084.5	1554.2	582.9	245.2	182.0	147.0	127.7	120.0	121.4	122.6	122.6
72.5°	1901.9	1394.7	523.5	235.1	177.0	142.6	123.8	116.4	118.9	121.4	120.7
75°	1637.4	1182.7	453.4	219.5	169.0	136.3	118.9	112.0	115.7	118.9	118.2
77.5°	1317.7	945.6	380.2	201.4	158.9	128.3	112.5	107.0	111.3	115.0	114.5
80°	1002.6	726.1	308.9	181.4	145.8	119.4	105.7	100.7	106.3	109.5	108.8
82.5°	733.0	531.0	242.7	161.3	133.2	110.1	97.6	93.9	99.4	102.6	101.3
85°	508.5	370.9	187.6	139.6	119.4	99.4	88.8	86.4	91.3	93.9	92.6
87.5°	335.9	250.2	145.1	120.7	106.3	89.5	80.7	78.2	83.1	84.4	83.8
90°	213.3	167.6	115.0	103.8	93.9	79.4	71.9	70.7	74.4	75.1	73.2
92.5°	136.3	115.0	93.2	89.5	82.0	70.7	64.5	62.5	65.7	65.7	63.8
95°	94.4	85.7	76.3	76.9	71.3	62.0	56.3	55.6	57.0	55.6	55.0
97.5°	68.2	65.0	63.2	65.7	62.0	53.7	49.3	48.2	48.8	46.9	46.3
100°	51.9	51.3	52.6	55.0	52.6	46.3	42.5	41.9	41.3	38.1	38.1
102.5°	40.0	40.0	43.1	46.9	44.4	39.5	36.9	35.6	33.8	30.6	30.0
105°	30.6	31.2	35.6	38.8	37.4	33.1	31.2	29.4	26.9	23.8	23.8
107.5°	23.2	24.4	28.7	31.9	30.6	27.6	25.6	23.8	21.3	18.1	18.8



REPORT NUMBER: P255222

CATALOG NUMBER: LXF.LXT-AF24-50-D-U-SL3-TL-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	17.5	18.8	23.2	25.6	25.0	23.2	21.3	19.3	16.3	13.7	14.4
112.5°	13.1	14.4	18.1	20.6	20.6	18.8	16.9	15.0	11.9	10.6	10.6
115°	10.1	11.3	14.4	16.3	16.3	14.4	13.1	11.3	8.7	8.0	8.0
117.5°	7.5	8.7	11.3	13.1	12.4	11.3	10.1	8.7	6.9	6.2	6.2
120°	6.2	6.9	8.7	10.1	9.4	8.7	7.5	6.2	5.0	5.0	5.0
122.5°	5.0	5.7	6.9	7.5	6.9	6.2	5.7	4.4	3.8	3.8	3.8
125°	4.4	5.0	5.7	5.7	5.0	4.4	3.8	3.2	2.5	3.2	3.2
127.5°	4.4	4.4	5.0	4.4	3.8	3.2	2.5	1.8	1.8	2.5	2.5
130°	3.8	4.4	4.4	3.8	3.2	1.8	1.8	1.2	1.2	1.8	1.8
132.5°	3.8	3.8	3.8	3.2	2.5	1.2	0.6	0.6	1.2	1.2	1.2
135°	3.2	3.8	3.2	2.5	1.8	1.2	0.0	0.6	0.6	0.6	0.6
137.5°	3.2	3.2	3.2	2.5	1.2	0.6	0.0	0.0	0.6	0.0	0.0
140°	2.5	2.5	2.5	1.8	1.2	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	2.5	2.5	2.5	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0
145°	1.8	1.8	1.8	1.2	0.0	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	0.0	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)