

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: P255225

Luminaire Tested: **LXF.LXT-AF24-80-D-U-SL3-TL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P255225
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-AF24-80-D-U-SL3-TL-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1050mA 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: 7109.5 lumens
Efficiency: N/A
Efficacy: 85.7 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): 83
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

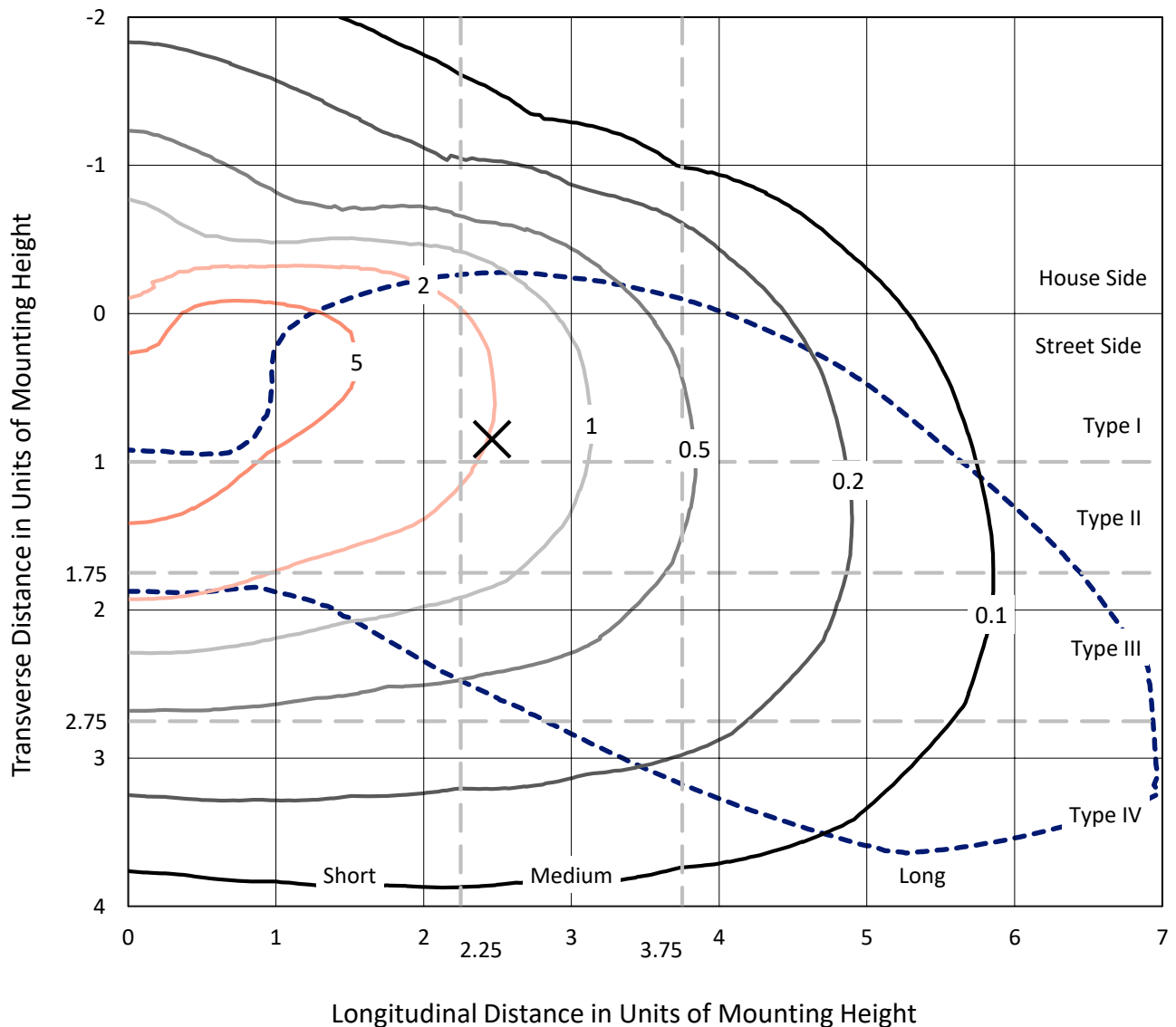


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

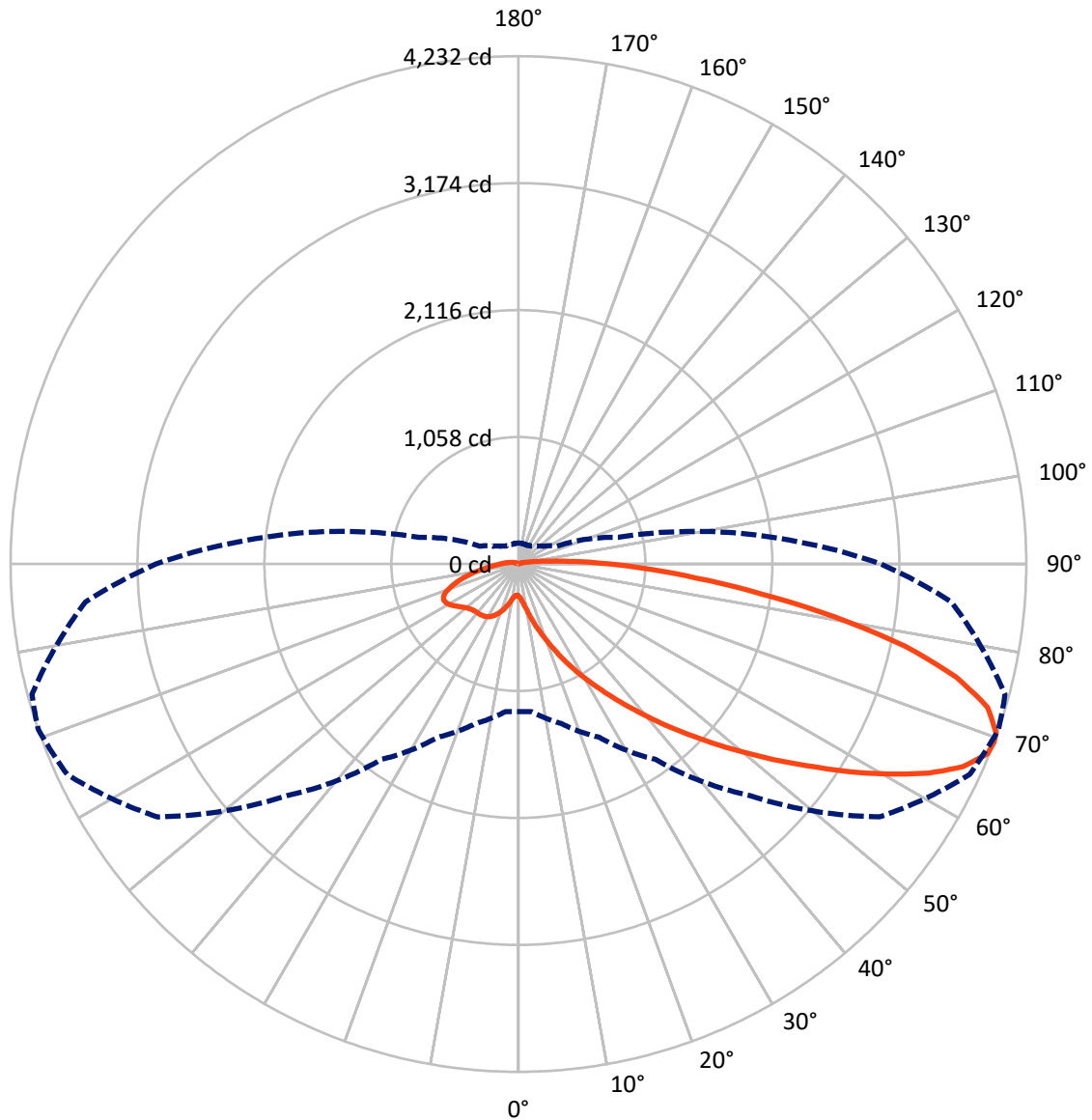


Based on 10 foot mounting height. Maximum calculated value = 8.7 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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

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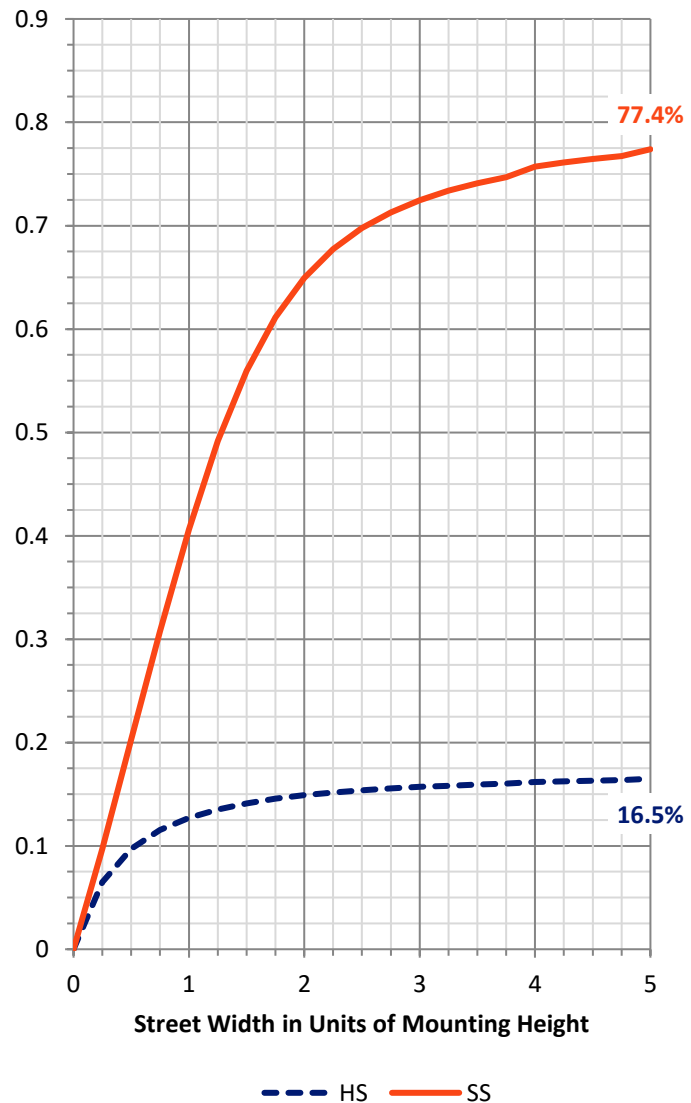
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1221.4	90.8	1312.2
	% Fixture	17.2	1.3	18.5
Street Side	Lumens	5656.8	140.5	5797.3
	% Fixture	79.6	2.0	81.5
Total	Lumens	6878.2	231.2	7109.5
	% Fixture	96.7	3.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.9	0.4
10°-20°	115.8	1.6
20°-30°	279.7	3.9
30°-40°	544.4	7.7
40°-50°	931.8	13.1
50°-60°	1390.4	19.6
60°-70°	1672.0	23.5
70°-80°	1337.9	18.8
80°-90°	578.3	8.1
90°-100°	155.4	2.2
100°-110°	47.7	0.7
110°-120°	18.2	0.3
120°-130°	6.6	0.1
130°-140°	2.5	0.0
140°-150°	0.7	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6878.2	96.7
0°-180°	7109.5	100.0

Coefficient of Utilization



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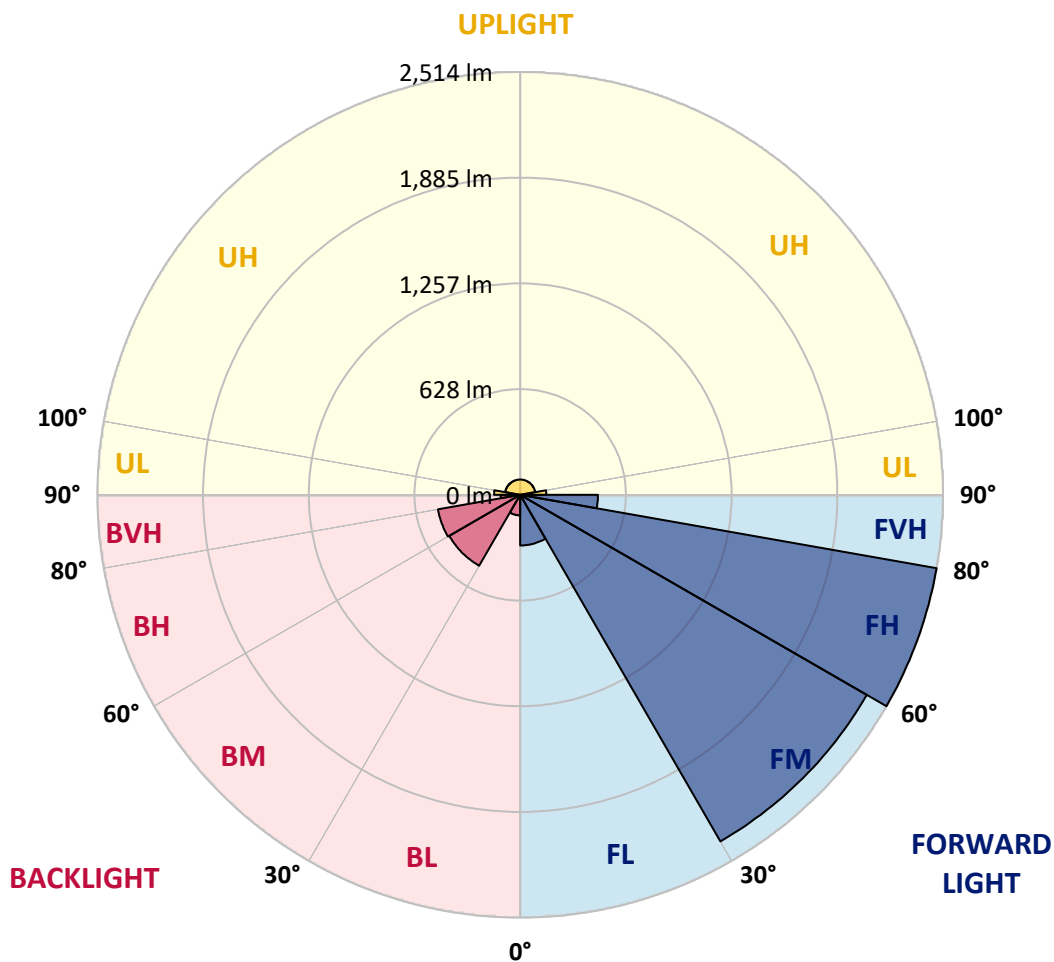
CATALOG NUMBER: LXF.LXT-AF24-80-D-U-SL3-TL-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	301.1	4.2			
FM	(30°-60°)	2379.4	33.5			
FH	(60°-80°)	2513.9	35.4			G2/5000
FVH	(80°-90°)	462.3	6.5			G3/500
BL	(0°-30°)	122.2	1.7	B1/500		
BM	(30°-60°)	487.2	6.9	B1/1000		
BH	(60°-80°)	496.0	7.0	B1/500		G1/500
BVH	(80°-90°)	116.0	1.6			G2/225
UL	(90°-100°)	155.4	2.2		U3/500	
UH	(100°-180°)	90.8	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°	266.7	266.7	266.7	266.7	266.7	266.7	266.7	266.7	266.7	266.7	266.7
2.5°	302.1	302.1	301.2	302.1	297.6	295.9	290.5	285.2	281.7	280.8	272.8
5°	337.5	337.5	336.6	336.6	331.3	327.8	320.6	311.8	307.4	303.8	290.5
7.5°	378.2	377.4	376.5	377.4	373.0	365.0	358.8	347.2	342.8	335.8	318.9
10°	427.9	426.1	426.9	424.4	417.3	413.6	407.5	395.1	389.8	384.5	365.0
12.5°	488.2	488.2	486.3	481.1	473.9	472.2	469.5	462.3	455.4	448.3	420.7
15°	555.5	553.7	551.0	543.9	537.8	534.2	537.8	533.3	527.9	519.1	487.2
17.5°	632.5	629.0	624.5	615.6	606.0	607.7	611.3	607.7	600.6	597.9	559.9
20°	717.7	716.6	707.8	692.8	683.9	678.6	688.4	692.8	686.5	683.9	640.5
22.5°	818.6	812.4	800.9	782.2	766.4	757.3	768.1	784.1	782.2	778.7	732.6
25°	936.4	926.6	915.1	882.4	855.7	840.7	855.7	877.9	886.7	883.3	829.2
27.5°	1068.3	1055.1	1036.5	998.4	955.0	924.9	946.0	975.3	997.5	999.2	933.7
30°	1211.9	1200.3	1175.5	1119.8	1058.6	1021.5	1038.3	1082.5	1113.6	1115.3	1043.5
32.5°	1375.8	1363.3	1313.8	1254.4	1175.5	1124.2	1141.0	1198.6	1235.8	1248.2	1163.2
35°	1552.0	1538.8	1497.2	1404.1	1302.3	1235.8	1254.4	1326.2	1371.3	1390.0	1290.8
37.5°	1739.9	1717.8	1669.9	1566.2	1451.1	1366.1	1374.9	1459.0	1521.1	1545.0	1433.4
40°	1923.3	1914.4	1849.8	1728.4	1589.2	1497.2	1505.1	1603.5	1681.4	1709.0	1585.8
42.5°	2111.1	2090.6	2029.6	1888.6	1735.5	1635.4	1654.8	1765.5	1861.2	1891.4	1745.2
45°	2290.0	2272.3	2194.4	2044.7	1885.2	1785.1	1812.5	1949.8	2049.0	2088.9	1926.8
47.5°	2452.1	2429.1	2350.2	2188.1	2032.2	1942.7	1978.1	2141.2	2257.2	2303.3	2130.5
50°	2569.1	2550.4	2469.8	2311.3	2166.8	2108.3	2173.9	2349.4	2480.5	2542.5	2352.1
52.5°	2620.5	2611.7	2534.5	2391.9	2283.8	2273.1	2393.7	2573.5	2722.3	2789.6	2588.6
55°	2601.9	2588.6	2545.2	2430.9	2373.3	2433.5	2624.0	2829.5	2981.9	3054.6	2842.8
57.5°	2496.5	2487.7	2484.0	2412.2	2425.5	2586.8	2851.6	3116.5	3266.3	3324.8	3097.1
60°	2317.5	2312.2	2348.5	2344.9	2438.8	2711.7	3091.7	3420.4	3553.3	3620.7	3345.9
62.5°	2050.8	2063.3	2146.5	2218.3	2395.4	2795.0	3311.4	3697.7	3836.7	3885.5	3539.1
65°	1739.0	1761.2	1872.8	2018.9	2295.3	2829.5	3509.9	3938.7	4071.5	4089.2	3662.3
67.5°	1392.6	1428.0	1560.9	1763.8	2123.5	2797.6	3634.8	4100.7	4216.0	4193.8	3672.9
69°	1229.6	1234.1	1374.9	1592.8	1987.0	2729.4	3672.9	4148.6	4231.8	4197.3	3620.7
70°	1110.0	1117.0	1256.2	1481.2	1886.1	2662.9	3671.9	4160.1	4223.0	4169.0	3570.1
72.5°	822.0	848.7	986.8	1219.0	1626.5	2433.5	3553.3	4096.3	4090.1	3992.7	3299.9
75°	597.1	619.3	752.1	981.5	1369.6	2131.4	3261.8	3832.4	3771.2	3646.3	2887.0
77.5°	426.1	432.3	550.1	771.6	1130.4	1784.2	2816.2	3361.1	3297.2	3110.4	2364.5
80°	287.9	293.3	389.8	583.8	909.8	1466.1	2318.4	2755.1	2670.1	2467.2	1794.8
82.5°	186.1	195.8	271.9	428.8	712.3	1182.6	1831.0	2134.1	2036.7	1855.0	1320.0
85°	130.2	132.9	188.7	310.1	535.1	915.1	1390.9	1588.4	1487.4	1337.7	921.3
87.5°	86.9	89.5	132.9	225.0	389.8	669.8	1010.7	1126.9	1040.0	919.5	613.9
90°	54.9	59.3	92.1	160.4	280.8	467.7	698.9	754.8	692.8	594.5	380.9
92.5°	39.0	40.8	64.7	115.2	199.3	320.6	456.2	478.3	425.2	360.5	230.3
95°	26.6	28.3	47.0	82.4	143.5	216.2	290.5	291.5	248.9	212.6	146.2
97.5°	19.4	21.3	35.4	61.0	102.8	147.9	185.2	175.4	149.6	130.2	101.8
100°	16.0	16.8	28.3	47.0	74.4	104.6	121.4	109.8	96.5	86.9	74.4
102.5°	13.3	14.2	23.9	38.1	55.8	74.4	82.4	73.5	65.5	60.2	55.8
105°	11.5	12.4	20.3	31.9	45.3	54.9	58.5	52.2	47.8	44.2	41.6
107.5°	10.6	11.5	17.7	27.5	37.2	44.2	46.1	39.9	35.4	31.9	30.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
110°	9.8	10.6	16.0	23.9	31.9	37.2	36.3	31.0	25.6	22.2	22.2
112.5°	8.8	9.8	14.2	21.3	27.5	31.0	30.1	23.1	18.6	16.0	16.0
115°	7.9	8.8	12.4	18.6	23.9	25.6	23.9	17.7	13.3	10.6	12.4
117.5°	7.1	7.9	10.6	16.0	20.3	21.3	18.6	13.3	9.8	7.9	8.8
120°	7.1	7.1	9.8	13.3	16.8	17.7	15.1	9.8	7.1	6.2	7.1
122.5°	6.2	7.1	8.8	11.5	14.2	14.2	11.5	7.1	5.4	5.4	6.2
125°	6.2	6.2	7.1	9.8	11.5	11.5	8.8	5.4	4.5	5.4	6.2
127.5°	5.4	6.2	7.1	8.8	9.8	9.8	7.1	4.5	4.5	4.5	5.4
130°	5.4	5.4	6.2	7.1	7.9	7.1	5.4	3.5	3.5	4.5	5.4
132.5°	5.4	5.4	5.4	6.2	7.1	5.4	3.5	3.5	3.5	3.5	5.4
135°	4.5	4.5	4.5	5.4	5.4	3.5	2.6	2.6	3.5	3.5	4.5
137.5°	3.5	3.5	3.5	3.5	3.5	2.6	1.7	2.6	2.6	3.5	4.5
140°	2.6	2.6	2.6	2.6	2.6	0.9	1.7	1.7	2.6	2.6	3.5
142.5°	1.7	1.7	1.7	2.6	1.7	0.9	0.9	1.7	2.6	2.6	3.5
145°	0.9	0.9	1.7	1.7	0.9	0.0	0.9	1.7	1.7	2.6	2.6
147.5°	0.0	0.0	0.9	0.9	0.0	0.0	0.0	0.9	1.7	1.7	2.6
150°	0.0	0.0	0.9	0.9	0.0	0.0	0.0	0.9	0.9	1.7	1.7
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	1.7
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9
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°	266.7	266.7	266.7	266.7	266.7	266.7	266.7	266.7	266.7	266.7	266.7
2.5°	270.2	267.5	261.3	255.1	248.9	244.5	240.9	240.1	237.4	234.8	235.7
5°	284.4	278.2	267.5	254.2	241.9	231.2	223.2	216.2	211.8	206.4	207.3
7.5°	310.1	300.4	281.7	259.6	239.2	222.4	206.4	197.5	190.4	187.0	186.1
10°	349.1	335.8	304.8	272.8	241.9	217.0	197.5	186.1	178.9	174.5	174.5
12.5°	403.9	384.5	340.3	294.1	251.7	218.0	194.9	183.3	176.4	173.6	173.6
15°	464.3	438.5	379.1	316.3	261.3	220.6	195.8	183.3	177.2	174.5	173.6
17.5°	531.5	497.0	417.3	334.9	269.4	225.9	196.6	183.3	177.2	175.4	174.5
20°	604.2	560.7	456.2	352.6	275.6	226.8	195.8	182.5	178.1	177.2	177.2
22.5°	685.7	629.0	493.5	367.6	279.0	224.1	193.2	181.6	178.9	179.8	179.8
25°	770.8	699.8	529.0	376.5	275.6	218.0	190.4	181.6	180.8	183.3	183.3
27.5°	861.1	770.8	559.9	382.7	268.4	209.1	186.1	181.6	182.5	186.1	186.1
30°	955.9	843.4	586.5	381.9	259.6	202.0	183.3	180.8	184.2	189.6	189.6
32.5°	1056.0	918.7	608.6	376.5	248.9	196.6	180.8	181.6	187.0	193.2	194.1
35°	1158.7	989.6	626.3	365.9	239.2	192.2	180.8	183.3	189.6	196.6	197.5
37.5°	1273.0	1069.2	642.2	356.0	232.0	190.4	181.6	184.2	191.3	199.3	201.1
40°	1396.2	1156.1	653.8	343.7	226.8	191.3	183.3	186.1	192.2	201.1	202.9
42.5°	1527.2	1244.7	666.2	334.0	222.4	192.2	186.1	187.0	193.2	202.9	204.7
45°	1676.1	1343.9	680.3	325.1	221.5	195.8	187.8	187.0	192.2	204.7	205.5
47.5°	1846.2	1467.9	701.7	318.9	221.5	198.5	189.6	187.0	191.3	204.7	206.4
50°	2032.2	1598.1	727.3	317.2	224.1	202.0	191.3	187.0	190.4	201.1	202.9
52.5°	2229.8	1745.2	761.9	318.1	227.7	204.7	193.2	186.1	187.8	195.8	196.6
55°	2449.5	1901.9	800.9	323.3	232.9	208.1	194.1	184.2	184.2	189.6	189.6
57.5°	2664.8	2065.0	843.4	329.5	240.1	211.8	194.1	182.5	181.6	185.2	185.2
60°	2864.1	2201.5	885.0	337.5	246.3	213.5	193.2	180.8	178.9	181.6	182.5
62.5°	3030.7	2312.2	910.6	346.4	251.7	214.3	191.3	178.9	177.2	179.8	179.8
65°	3103.3	2365.4	916.0	352.6	256.9	213.5	188.7	176.4	175.4	177.2	178.1
67.5°	3090.8	2335.2	890.4	353.5	258.7	212.6	186.1	173.6	173.6	175.4	175.4
69°	3020.0	2270.5	857.5	351.7	258.7	210.0	183.3	171.9	172.7	174.5	174.5
70°	2952.6	2201.5	825.7	347.2	257.8	208.1	180.8	170.1	171.9	173.6	173.6
72.5°	2694.0	1975.5	741.5	333.1	250.7	202.0	175.4	164.8	168.4	171.9	171.0
75°	2319.2	1675.2	642.2	311.0	239.2	193.2	168.4	158.5	163.9	168.4	167.3
77.5°	1866.5	1339.4	538.6	285.2	225.0	181.6	159.4	151.5	157.7	163.1	162.1
80°	1420.1	1028.5	437.6	256.9	206.4	169.3	149.6	142.6	150.6	155.0	154.2
82.5°	1038.3	752.1	343.7	228.6	188.7	155.9	138.2	132.9	140.8	145.4	143.5
85°	720.2	525.3	265.7	197.5	169.3	140.8	125.7	122.3	129.4	132.9	131.1
87.5°	475.8	354.3	205.5	171.0	150.6	126.6	114.2	110.8	117.8	119.6	118.6
90°	302.1	237.4	163.1	147.1	132.9	112.5	101.8	100.1	105.4	106.3	103.7
92.5°	193.2	163.1	131.9	126.6	116.1	100.1	91.2	88.6	93.0	93.0	90.3
95°	133.8	121.4	108.0	108.9	100.9	87.7	79.8	78.8	80.7	78.8	78.0
97.5°	96.5	92.1	89.5	93.0	87.7	76.2	70.0	68.2	69.1	66.4	65.5
100°	73.5	72.6	74.4	78.0	74.4	65.5	60.2	59.3	58.5	54.1	54.1
102.5°	56.7	56.7	61.0	66.4	63.0	55.8	52.2	50.5	47.8	43.3	42.5
105°	43.3	44.2	50.5	54.9	53.1	47.0	44.2	41.6	38.1	33.7	33.7
107.5°	32.8	34.5	40.8	45.3	43.3	39.0	36.3	33.7	30.1	25.6	26.6



REPORT NUMBER: P255225

CATALOG NUMBER: LXF.LXT-AF24-80-D-U-SL3-TL-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	24.8	26.6	32.8	36.3	35.4	32.8	30.1	27.5	23.1	19.4	20.3
112.5°	18.6	20.3	25.6	29.3	29.3	26.6	23.9	21.3	16.8	15.1	15.1
115°	14.2	16.0	20.3	23.1	23.1	20.3	18.6	16.0	12.4	11.5	11.5
117.5°	10.6	12.4	16.0	18.6	17.7	16.0	14.2	12.4	9.8	8.8	8.8
120°	8.8	9.8	12.4	14.2	13.3	12.4	10.6	8.8	7.1	7.1	7.1
122.5°	7.1	7.9	9.8	10.6	9.8	8.8	7.9	6.2	5.4	5.4	5.4
125°	6.2	7.1	7.9	7.9	7.1	6.2	5.4	4.5	3.5	4.5	4.5
127.5°	6.2	6.2	7.1	6.2	5.4	4.5	3.5	2.6	2.6	3.5	3.5
130°	5.4	6.2	6.2	5.4	4.5	2.6	2.6	1.7	1.7	2.6	2.6
132.5°	5.4	5.4	5.4	4.5	3.5	1.7	0.9	0.9	1.7	1.7	1.7
135°	4.5	5.4	4.5	3.5	2.6	1.7	0.0	0.9	0.9	0.9	0.9
137.5°	4.5	4.5	4.5	3.5	1.7	0.9	0.0	0.0	0.9	0.0	0.0
140°	3.5	3.5	3.5	2.6	1.7	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	3.5	3.5	3.5	1.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0
145°	2.6	2.6	2.6	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	2.6	2.6	1.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.7	1.7	1.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.7	1.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.9	0.9	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)