

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: P254956

Luminaire Tested: **LXF.LXT-AF24-90-D-U-SL3-FL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254956
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-31)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-90-D-U-SL3-FL-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7552 lumens
Efficiency: N/A
Efficacy: 80.3 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: B2 - U3 - G4

Input Watts (W): 94
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

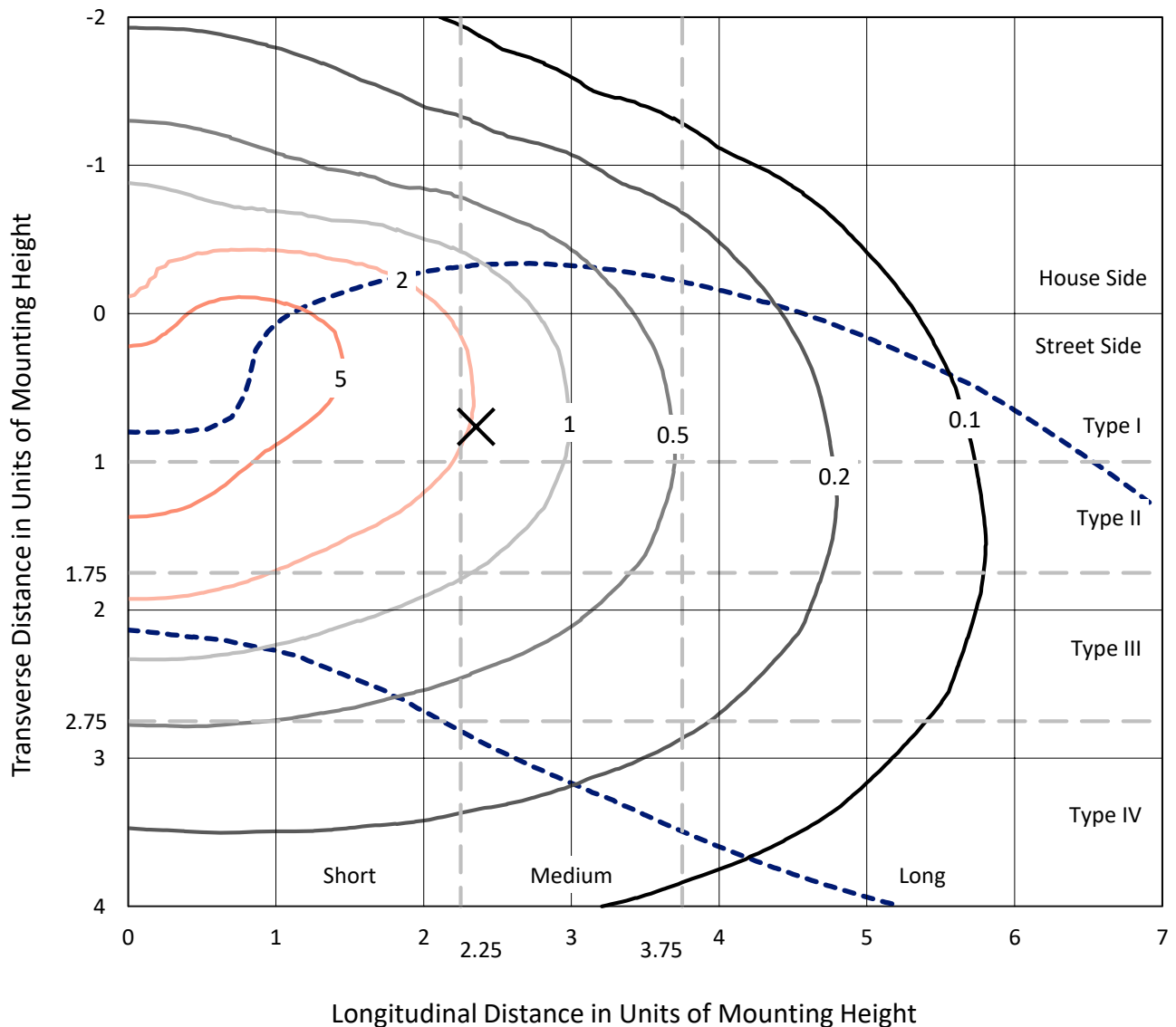


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

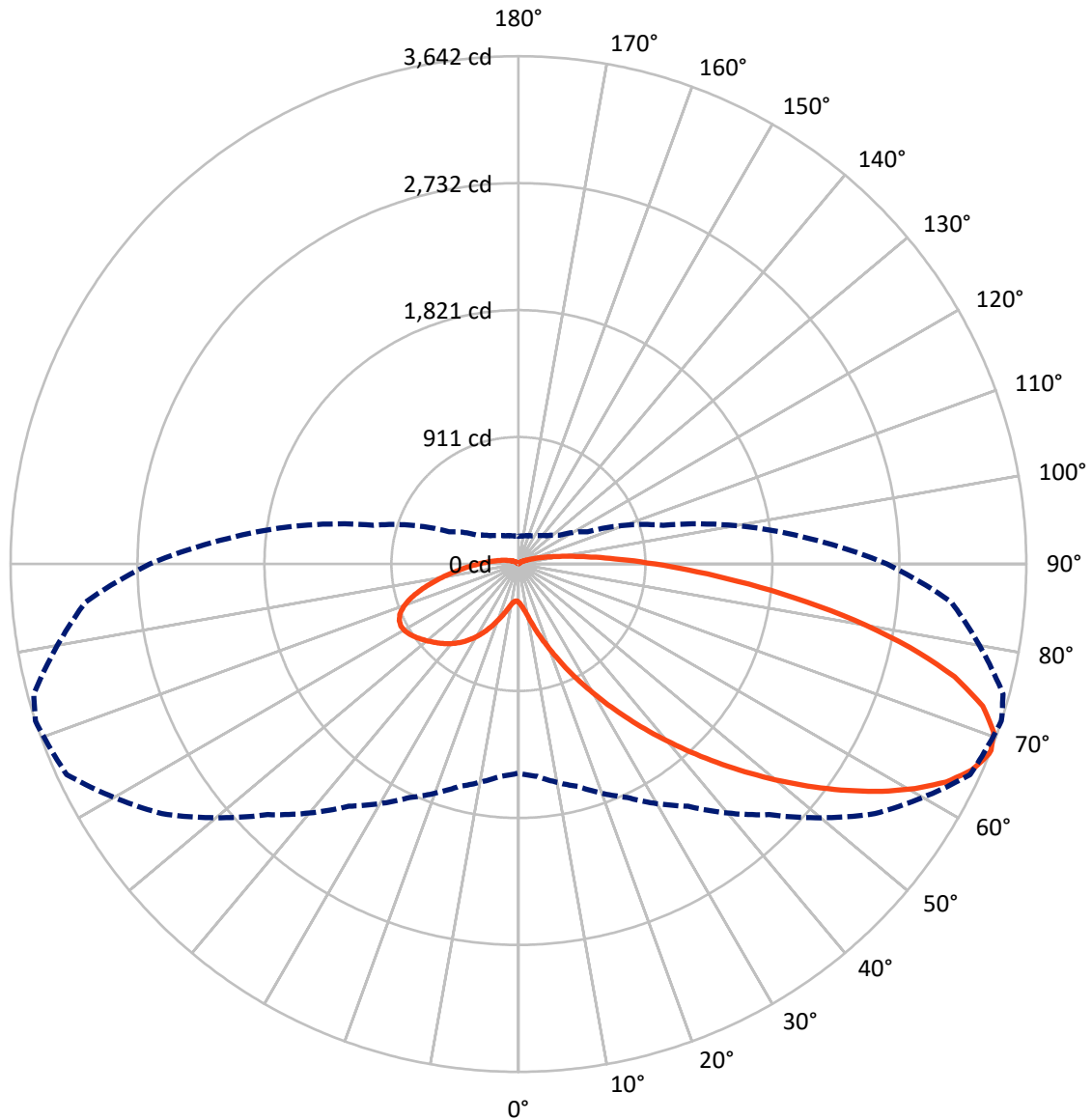


Based on 10 foot mounting height. Maximum calculated value = 8.7 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

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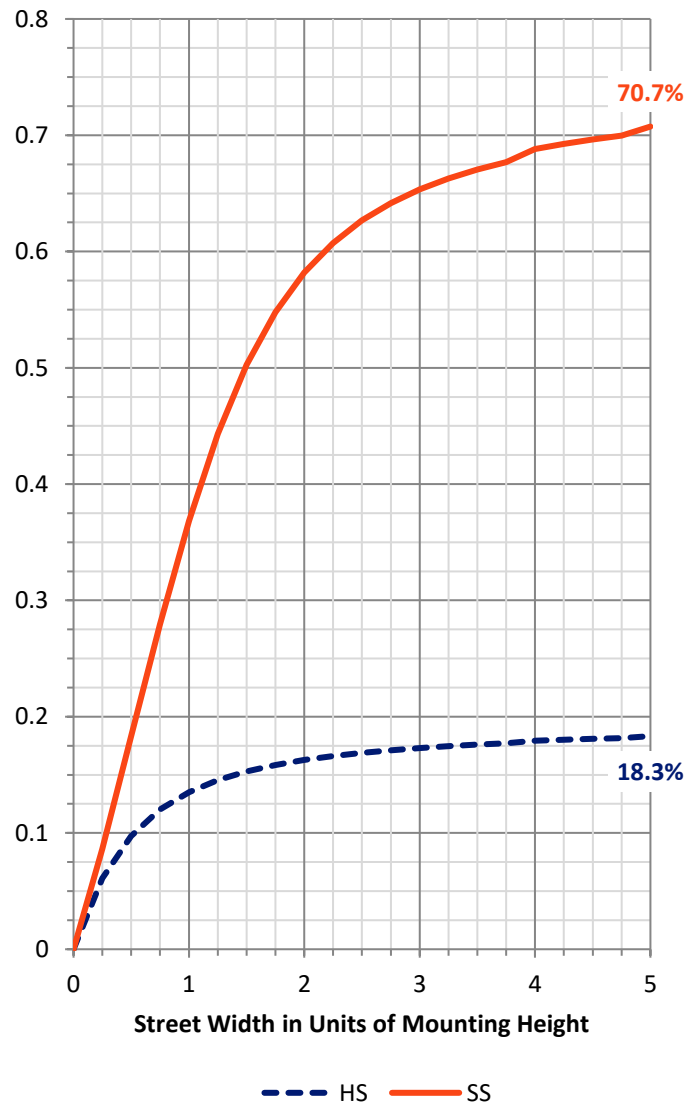
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1451.4	172.9	1624.2
	% Fixture	19.2	2.3	21.5
Street Side	Lumens	5571.3	356.4	5927.7
	% Fixture	73.8	4.7	78.5
Total	Lumens	7022.7	529.3	7552.0
	% Fixture	93.0	7.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.9	0.4
10°-20°	119.9	1.6
20°-30°	296.5	3.9
30°-40°	580.2	7.7
40°-50°	966.8	12.8
50°-60°	1377.1	18.2
60°-70°	1595.5	21.1
70°-80°	1332.4	17.6
80°-90°	725.4	9.6
90°-100°	304.5	4.0
100°-110°	126.8	1.7
110°-120°	57.2	0.8
120°-130°	26.7	0.4
130°-140°	11.1	0.1
140°-150°	2.8	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7022.7	93.0
0°-180°	7552.0	100.0

Coefficient of Utilization



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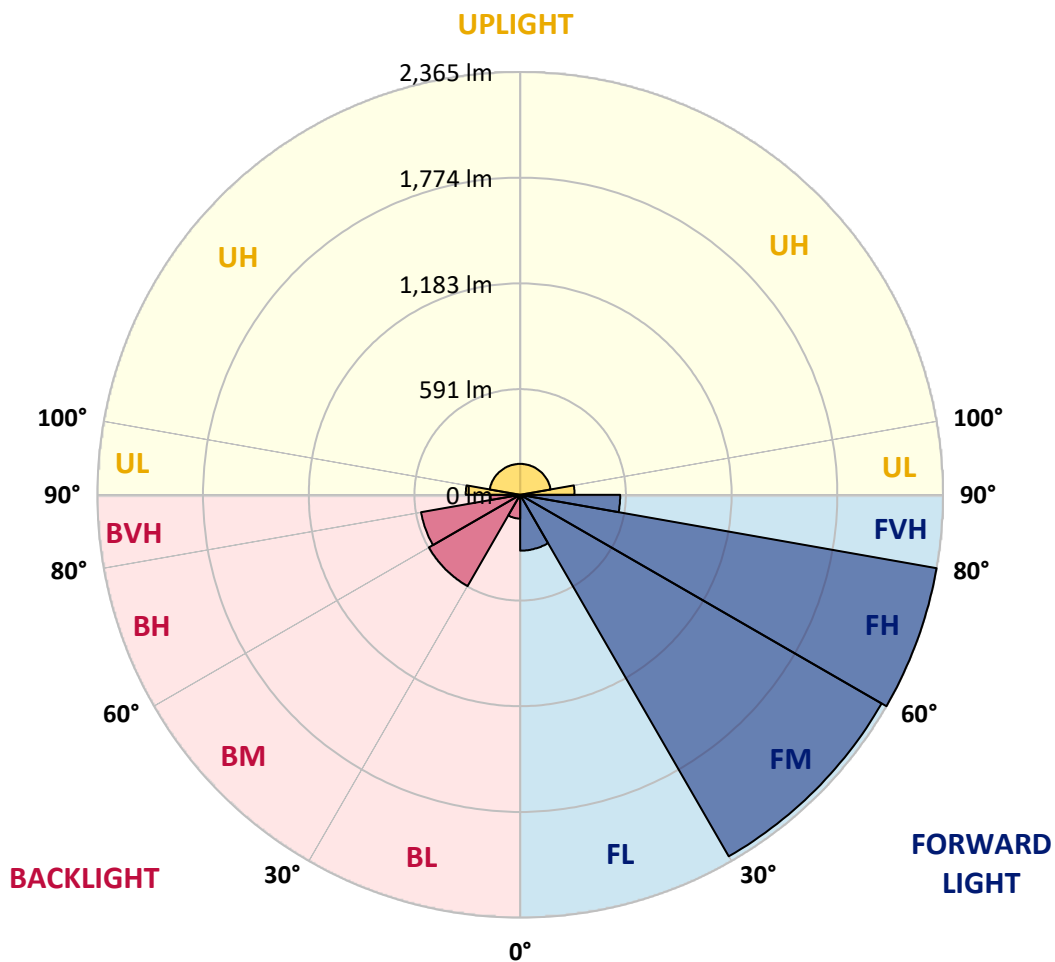
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	312.4	4.1			
FM	(30°-60°)	2334.6	30.9			
FH	(60°-80°)	2365.1	31.3			G2/5000
FVH	(80°-90°)	559.2	7.4			G4/750
BL	(0°-30°)	132.9	1.8	B1/500		
BM	(30°-60°)	589.4	7.8	B1/1000		
BH	(60°-80°)	562.8	7.5	B2/1000		G2/1000
BVH	(80°-90°)	166.2	2.2			G2/225
UL	(90°-100°)	304.5	4.0		U3/500	
UH	(100°-180°)	172.9	2.3		U3/500	

BUG Rating: B2-U3-G4

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	274.1	274.1	274.1	274.1	274.1	274.1	274.1	274.1	274.1	274.1	274.1
2.5°	314.2	314.2	315.2	312.4	309.4	306.6	299.9	294.2	289.4	286.6	280.8
5°	357.3	358.2	356.3	353.5	348.6	342.0	332.3	320.9	311.4	309.4	296.1
7.5°	407.9	407.9	405.9	401.2	395.4	385.9	371.6	356.3	342.8	340.1	320.0
10°	466.1	466.1	465.1	457.5	448.9	437.5	420.3	404.0	385.9	380.1	353.5
12.5°	535.0	533.9	531.1	521.5	511.0	496.7	477.6	457.5	440.4	433.6	401.2
15°	609.3	609.3	605.6	593.2	580.7	563.6	546.3	529.2	507.2	499.6	458.5
17.5°	691.5	690.6	683.0	671.5	654.3	641.0	624.6	604.6	580.7	571.2	523.5
20°	784.2	781.3	770.9	755.5	740.2	723.1	706.8	679.1	659.1	653.4	597.9
22.5°	889.3	884.5	871.2	850.0	831.9	810.9	793.8	769.8	751.7	741.3	686.8
25°	1006.8	1004.8	988.6	954.2	928.3	904.5	887.3	875.8	859.7	844.3	781.3
27.5°	1134.7	1130.0	1103.2	1068.8	1028.6	1001.9	985.7	977.1	967.6	959.0	885.4
30°	1272.3	1269.4	1234.1	1191.0	1137.6	1103.2	1091.7	1092.7	1090.7	1082.2	1001.1
32.5°	1421.3	1419.4	1375.5	1321.0	1254.1	1208.3	1205.4	1219.8	1222.6	1216.8	1125.2
35°	1580.8	1578.9	1528.2	1460.5	1376.3	1322.9	1326.7	1354.4	1366.9	1362.0	1257.9
37.5°	1743.1	1741.3	1688.7	1605.6	1502.5	1441.3	1452.8	1498.6	1522.5	1518.7	1399.3
40°	1921.8	1904.6	1850.1	1750.8	1633.3	1565.4	1591.3	1652.4	1687.7	1674.4	1547.3
42.5°	2076.5	2064.1	2004.9	1894.1	1766.0	1704.0	1735.5	1815.8	1863.5	1859.7	1705.9
45°	2213.0	2207.4	2149.1	2030.7	1898.8	1836.7	1887.4	1990.4	2049.7	2039.3	1873.0
47.5°	2336.3	2326.7	2273.2	2153.8	2021.1	1976.2	2045.0	2170.1	2243.6	2237.0	2046.0
50°	2419.4	2415.6	2368.7	2255.1	2134.8	2096.5	2210.2	2364.9	2448.1	2440.5	2225.5
52.5°	2457.6	2456.7	2425.1	2329.6	2232.1	2237.9	2378.3	2564.6	2656.3	2653.4	2411.8
55°	2445.2	2444.2	2432.7	2369.8	2308.6	2355.4	2546.4	2768.1	2867.4	2865.5	2592.2
57.5°	2371.7	2375.6	2390.7	2367.8	2359.2	2463.4	2708.9	2966.7	3075.5	3069.8	2768.9
60°	2231.2	2239.9	2288.6	2317.2	2373.5	2539.7	2858.8	3162.5	3269.5	3260.0	2929.5
62.5°	2038.3	2058.3	2131.0	2217.9	2344.9	2591.3	2992.5	3336.3	3442.3	3422.3	3041.2
65°	1808.1	1831.0	1929.4	2072.6	2273.2	2599.0	3088.0	3478.7	3570.4	3544.6	3118.6
67.5°	1552.1	1580.8	1700.2	1888.3	2152.0	2557.9	3122.4	3566.6	3639.1	3598.0	3126.2
68°	1499.6	1528.2	1651.5	1847.2	2120.4	2541.7	3121.4	3574.2	3642.0	3598.0	3114.8
70°	1295.2	1325.8	1460.5	1677.2	1995.3	2460.5	3084.2	3565.5	3616.3	3562.7	3038.4
72.5°	1062.1	1092.7	1228.3	1458.5	1803.4	2293.4	2953.4	3458.6	3482.5	3419.5	2854.0
75°	853.0	884.5	1015.3	1247.4	1595.0	2094.6	2736.5	3235.0	3230.4	3156.8	2576.0
77.5°	675.3	703.9	828.0	1047.8	1381.1	1852.1	2457.6	2901.7	2870.2	2792.8	2222.7
80°	531.1	556.9	669.5	871.2	1174.9	1597.9	2124.2	2495.8	2443.2	2364.1	1842.4
82.5°	414.5	438.4	537.8	716.4	984.8	1350.6	1766.0	2066.9	1994.3	1921.8	1477.6
85°	323.9	342.8	430.8	584.5	813.8	1116.5	1452.8	1650.5	1574.1	1511.0	1151.9
87.5°	253.2	269.4	343.8	474.7	671.5	907.4	1158.5	1285.7	1214.0	1162.4	883.5
90°	198.7	210.1	277.0	384.9	541.6	731.6	910.2	986.7	922.7	882.6	674.3
92.5°	157.6	166.2	220.6	312.4	436.5	580.7	704.9	747.9	694.4	664.8	512.0
95°	126.0	132.8	178.6	255.0	355.3	459.4	542.5	564.6	522.5	499.6	388.8
97.5°	103.1	107.9	147.1	207.3	284.6	364.8	420.3	428.9	394.4	377.3	297.0
100°	86.0	88.8	121.3	172.0	231.2	290.4	327.7	328.6	299.9	285.6	226.3
102.5°	72.5	74.6	101.3	143.2	190.9	233.0	257.9	253.2	227.4	215.9	173.8
105°	62.1	64.0	85.0	120.4	159.5	189.1	203.4	195.8	173.8	165.2	134.7
107.5°	54.4	55.4	71.7	101.3	133.8	155.7	164.3	153.7	134.7	127.1	106.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
110°	47.7	48.7	61.0	87.0	112.7	130.9	133.8	121.3	105.1	99.3	85.0
112.5°	42.1	42.9	53.5	73.5	96.4	109.8	110.8	97.5	83.1	78.3	68.8
115°	38.2	39.2	46.8	63.1	82.2	92.7	91.7	78.3	65.9	62.1	56.4
117.5°	35.3	36.3	42.1	54.4	70.7	78.3	76.4	64.0	53.5	50.6	47.7
120°	32.4	33.5	37.2	46.8	60.2	66.8	63.1	51.6	43.9	42.1	40.1
122.5°	30.6	30.6	33.5	41.1	51.6	56.4	52.6	42.9	36.3	34.4	34.4
125°	27.8	28.6	30.6	35.3	43.9	47.7	43.9	35.3	29.6	29.6	29.6
127.5°	26.8	26.8	27.8	31.4	37.2	40.1	36.3	28.6	24.8	24.8	25.7
130°	24.8	24.8	24.8	27.8	31.4	32.4	28.6	23.0	21.0	21.0	22.0
132.5°	23.0	23.0	23.0	23.9	25.7	25.7	23.0	19.1	18.1	18.1	19.1
135°	21.0	21.0	20.1	20.1	21.0	20.1	18.1	15.3	14.3	15.3	16.3
137.5°	18.1	18.1	18.1	17.2	16.3	15.3	12.4	11.5	11.5	12.4	13.3
140°	15.3	15.3	15.3	13.3	12.4	10.5	8.6	7.6	8.6	9.5	10.5
142.5°	12.4	12.4	12.4	10.5	8.6	6.7	4.8	4.8	5.7	6.7	7.6
145°	9.5	9.5	9.5	7.6	5.7	3.9	2.8	3.9	4.8	4.8	5.7
147.5°	6.7	6.7	6.7	4.8	2.8	1.0	1.0	2.8	3.9	3.9	4.8
150°	3.9	3.9	3.9	1.8	1.0	0.0	0.0	1.8	2.8	2.8	3.9
152.5°	1.0	1.0	1.8	1.0	0.0	0.0	0.0	1.0	1.8	1.8	2.8
155°	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.8
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	274.1	274.1	274.1	274.1	274.1	274.1	274.1	274.1	274.1	274.1	274.1
2.5°	277.0	274.1	267.4	260.8	255.0	250.2	246.4	244.5	242.5	241.7	239.8
5°	289.4	282.8	269.4	257.0	245.5	235.9	226.3	220.6	216.8	213.9	212.9
7.5°	310.4	299.9	279.8	260.8	242.5	225.4	213.9	206.3	199.6	195.8	194.8
10°	341.0	327.7	298.1	270.3	245.5	223.6	207.3	195.8	188.2	184.3	184.3
12.5°	384.9	364.8	325.7	287.5	253.2	225.4	205.4	194.8	189.1	186.3	186.3
15°	439.3	412.7	361.9	312.4	268.4	234.1	213.9	202.4	196.7	193.9	193.9
17.5°	499.6	465.1	402.1	339.0	283.6	249.3	223.6	210.1	203.4	200.6	200.6
20°	568.3	529.2	445.1	365.8	303.7	263.7	234.1	216.8	210.1	208.2	207.3
22.5°	646.6	596.0	491.8	393.6	323.9	275.2	242.5	222.6	216.8	214.9	214.9
25°	733.5	672.4	542.5	423.2	340.1	283.6	249.3	229.2	222.6	221.6	220.6
27.5°	825.2	753.6	593.2	451.8	352.5	288.5	253.2	235.0	227.4	227.4	226.3
30°	932.2	838.7	641.9	475.8	360.1	290.4	254.0	237.8	231.2	232.0	233.0
32.5°	1039.2	928.3	690.6	496.7	365.8	291.2	254.0	238.8	232.0	235.0	235.0
35°	1152.9	1021.0	737.4	513.8	368.6	290.4	254.0	240.7	233.0	235.9	236.9
37.5°	1272.3	1115.6	782.3	527.2	370.6	289.4	254.0	240.7	234.1	236.9	236.9
40°	1394.4	1210.1	825.2	536.8	370.6	288.5	253.2	240.7	235.9	235.9	236.9
42.5°	1526.4	1308.6	864.5	544.4	370.6	286.6	253.2	240.7	234.1	235.0	235.9
45°	1665.7	1409.8	901.7	550.1	369.7	286.6	252.2	239.8	233.0	232.0	233.0
47.5°	1802.3	1514.9	938.0	555.9	368.6	287.5	252.2	238.8	231.2	227.4	228.3
50°	1953.3	1623.8	975.2	559.7	369.7	287.5	253.2	237.8	228.3	223.6	224.4
52.5°	2102.2	1732.7	1011.5	564.6	369.7	288.5	253.2	235.9	225.4	218.7	219.7
55°	2259.9	1840.6	1046.8	569.2	370.6	289.4	254.0	234.1	222.6	214.9	215.9
57.5°	2397.4	1943.7	1078.4	572.2	370.6	291.2	254.0	233.0	219.7	211.1	211.1
60°	2523.6	2039.3	1104.2	573.1	370.6	291.2	254.0	231.2	217.8	207.3	207.3
62.5°	2619.1	2103.2	1116.5	571.2	368.6	291.2	253.2	229.2	215.9	204.5	204.5
65°	2667.8	2131.0	1110.8	564.6	366.8	290.4	252.2	226.3	212.9	202.4	201.6
67.5°	2655.3	2109.9	1083.2	551.1	361.9	287.5	249.3	222.6	211.1	200.6	198.7
68°	2642.9	2093.7	1074.6	547.3	359.1	286.6	248.3	222.6	210.1	200.6	198.7
70°	2558.9	2023.9	1029.7	531.1	354.3	282.8	245.5	218.7	207.3	198.7	196.7
72.5°	2381.2	1873.0	954.2	503.3	342.8	276.0	238.8	213.9	203.4	195.8	193.0
75°	2126.1	1671.5	859.7	470.9	328.6	267.4	230.2	207.3	197.8	190.9	188.2
77.5°	1835.8	1434.7	755.5	431.7	311.4	257.0	220.6	199.6	190.9	185.3	180.5
80°	1518.7	1191.0	650.4	390.7	292.3	243.5	210.1	190.1	182.5	175.8	172.0
82.5°	1217.8	964.6	551.1	351.5	269.4	226.3	197.8	178.6	171.0	165.2	160.5
85°	954.2	768.8	461.3	311.4	248.3	211.1	184.3	166.2	159.5	152.9	148.0
87.5°	739.2	604.6	386.9	274.1	224.4	193.9	171.0	153.7	146.2	138.5	134.7
90°	571.2	475.8	320.0	238.8	203.4	177.6	156.7	140.4	131.7	125.1	121.3
92.5°	440.4	375.5	265.5	209.2	181.5	160.5	142.4	128.0	118.4	109.8	107.0
95°	341.0	297.0	220.6	181.5	161.3	144.2	128.9	114.6	104.2	95.5	92.7
97.5°	265.5	235.0	183.3	156.7	142.4	128.0	114.6	102.1	91.7	81.2	79.3
100°	205.4	186.3	153.7	135.6	125.1	112.7	101.3	90.6	78.3	68.8	67.8
102.5°	161.3	149.0	128.9	117.5	108.9	99.3	89.8	79.3	66.8	57.4	56.4
105°	128.0	120.4	107.9	100.3	94.5	87.0	79.3	68.8	55.4	47.7	47.7
107.5°	102.1	97.5	90.6	86.0	82.2	75.5	68.8	58.2	45.9	39.2	40.1



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CATALOG NUMBER: LXF.LXT-AF24-90-D-U-SL3-FL-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	83.1	80.2	76.4	74.6	71.7	65.9	59.2	49.7	38.2	32.4	33.5
112.5°	67.8	66.8	64.9	64.0	62.1	57.4	50.6	41.1	30.6	27.8	27.8
115°	56.4	55.4	55.4	54.4	53.5	49.7	42.9	34.4	24.8	23.0	23.0
117.5°	47.7	47.7	46.8	46.8	45.9	42.1	36.3	28.6	20.1	19.1	19.1
120°	40.1	40.1	40.1	40.1	39.2	35.3	30.6	23.0	16.3	16.3	16.3
122.5°	34.4	35.3	34.4	34.4	33.5	30.6	24.8	18.1	13.3	13.3	14.3
125°	29.6	29.6	29.6	28.6	27.8	24.8	20.1	14.3	11.5	11.5	11.5
127.5°	25.7	25.7	25.7	24.8	23.0	21.0	16.3	11.5	9.5	9.5	9.5
130°	23.0	22.0	22.0	21.0	19.1	16.3	12.4	8.6	7.6	7.6	7.6
132.5°	19.1	19.1	18.1	17.2	15.3	12.4	9.5	5.7	5.7	6.7	6.7
135°	16.3	16.3	15.3	13.3	11.5	9.5	6.7	4.8	4.8	4.8	4.8
137.5°	13.3	13.3	12.4	10.5	8.6	5.7	3.9	2.8	2.8	3.9	3.9
140°	10.5	10.5	9.5	7.6	5.7	3.9	1.8	1.0	1.8	1.8	1.8
142.5°	7.6	7.6	6.7	4.8	2.8	1.8	0.0	1.0	1.0	1.0	1.0
145°	5.7	5.7	4.8	3.9	1.8	1.0	0.0	0.0	1.0	0.0	0.0
147.5°	4.8	4.8	3.9	2.8	1.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	3.9	2.8	2.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.8	1.8	1.8	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.8	1.8	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.0	1.0	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)