

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: P255283

Luminaire Tested: **LXF.LXT-AF24-30-D-U-T2U-TL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P255283
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-37)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-30-D-U-T2U-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3330.7 lumens
Efficiency: N/A
Efficacy: 107.4 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B1 - U3 - G2

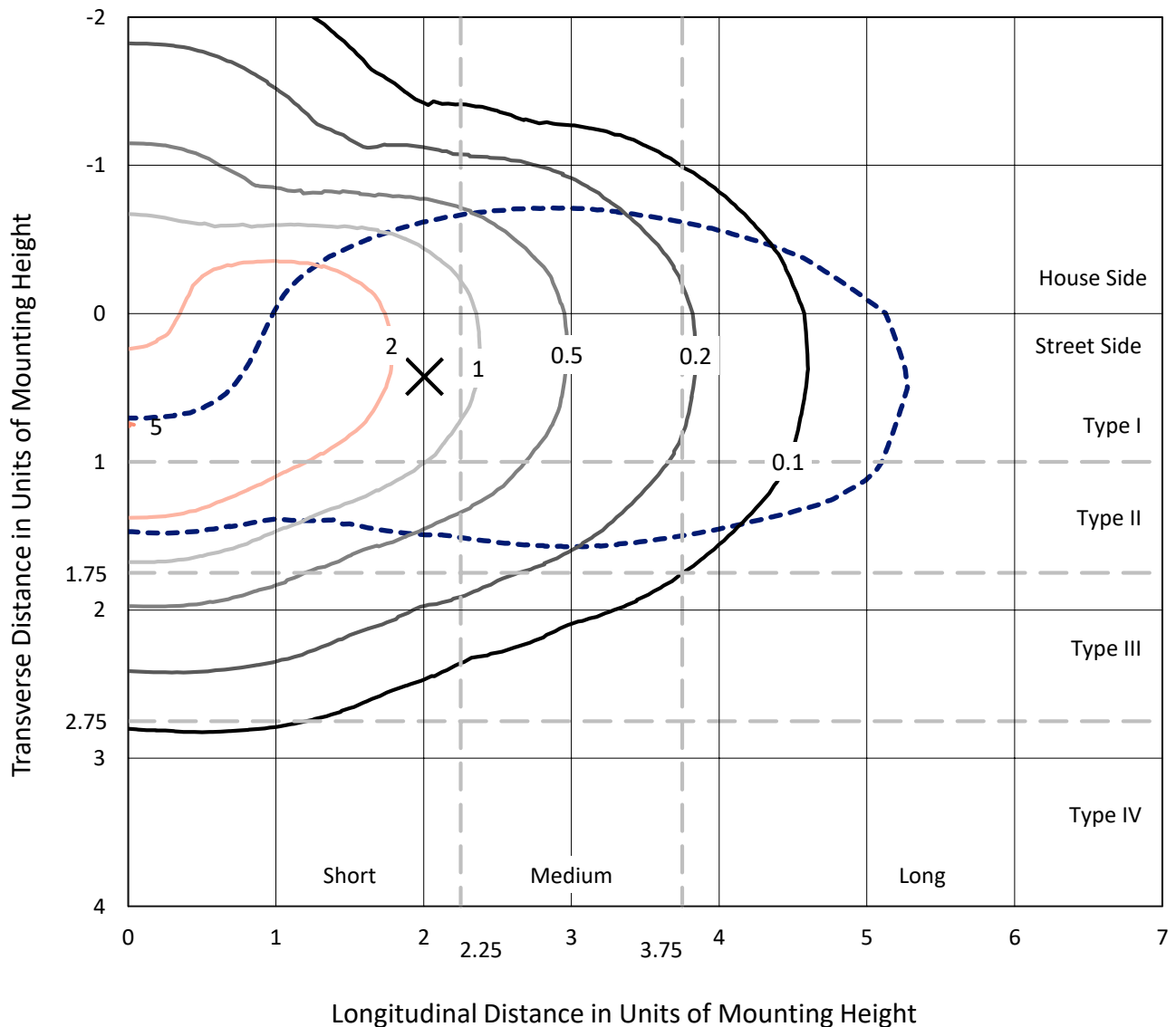
Input Watts (W): 31
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

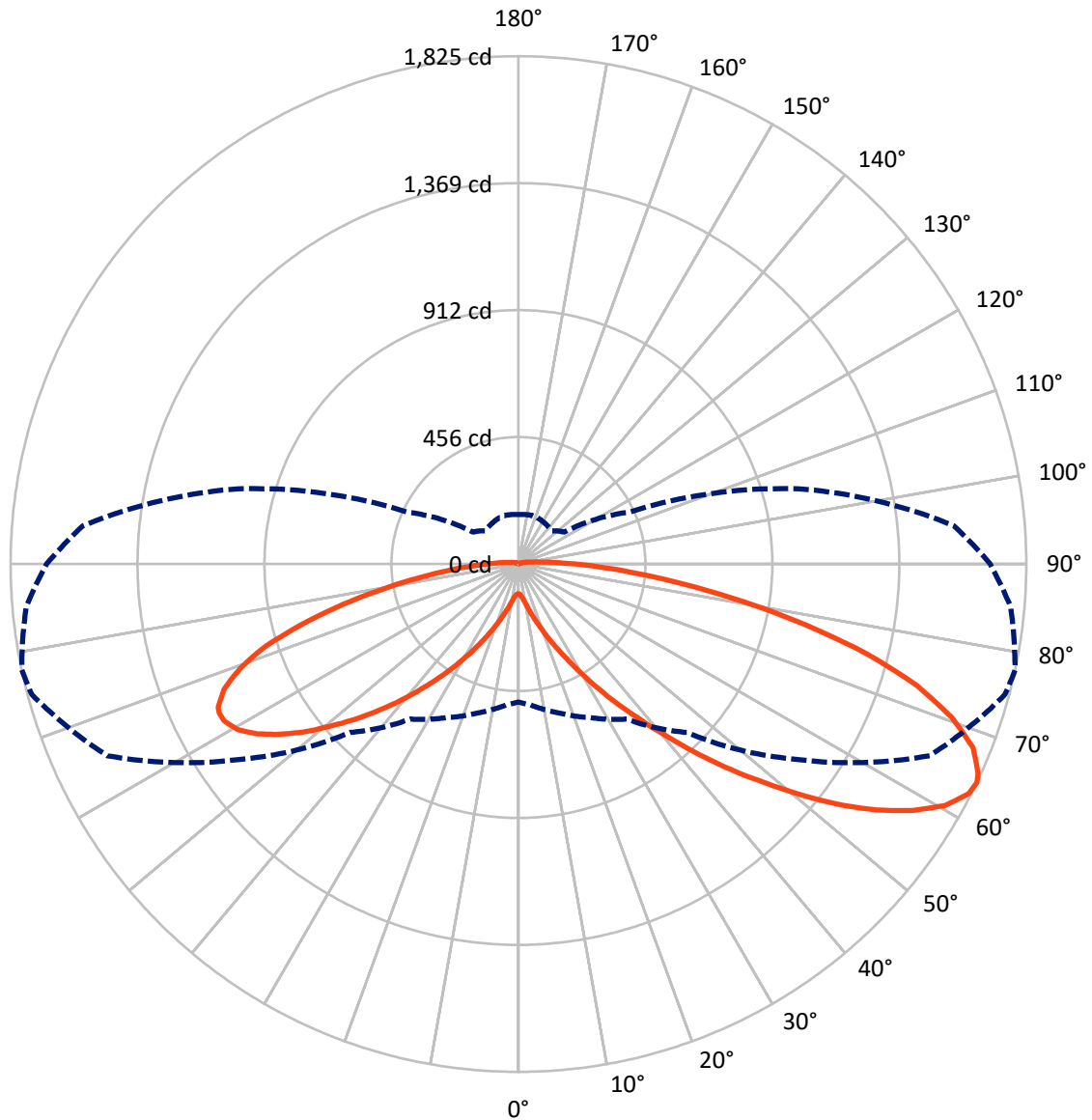
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

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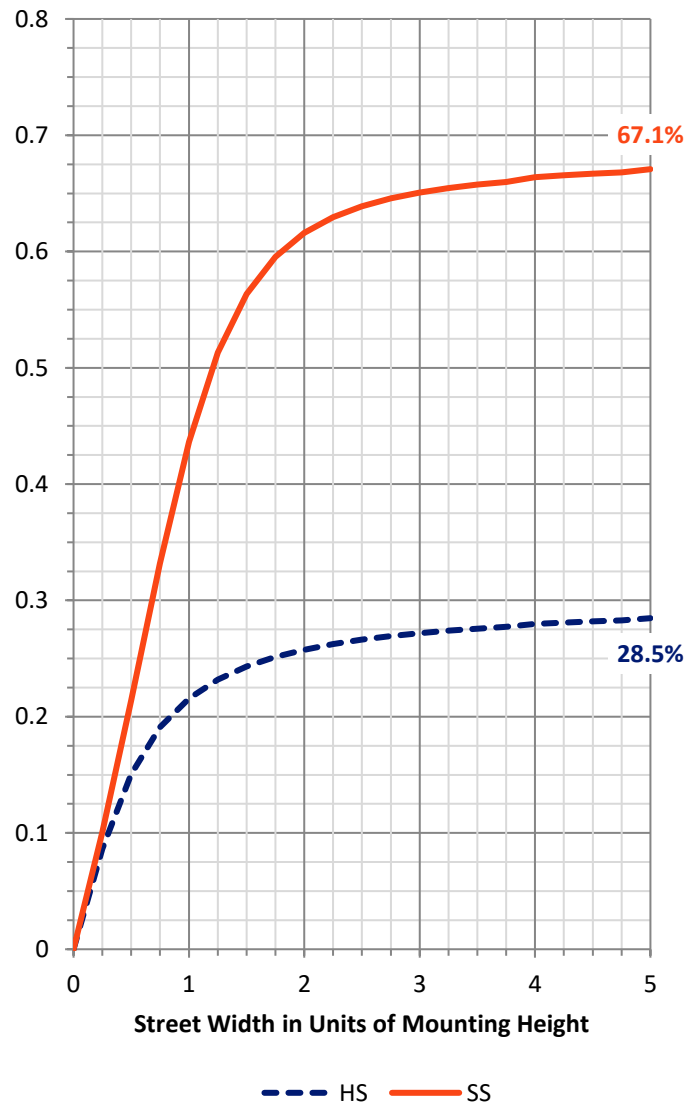
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	978.0	45.0	1023.0
	% Fixture	29.4	1.4	30.7
Street Side	Lumens	2265.0	42.7	2307.7
	% Fixture	68.0	1.3	69.3
Total	Lumens	3243.0	87.7	3330.7
	% Fixture	97.4	2.6	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.7	0.4
10°-20°	54.0	1.6
20°-30°	150.5	4.5
30°-40°	327.0	9.8
40°-50°	564.8	17.0
50°-60°	747.8	22.5
60°-70°	729.5	21.9
70°-80°	474.2	14.2
80°-90°	183.5	5.5
90°-100°	53.0	1.6
100°-110°	20.1	0.6
110°-120°	8.8	0.3
120°-130°	3.8	0.1
130°-140°	1.6	0.0
140°-150°	0.4	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3243.0	97.4
0°-180°	3330.7	100.0



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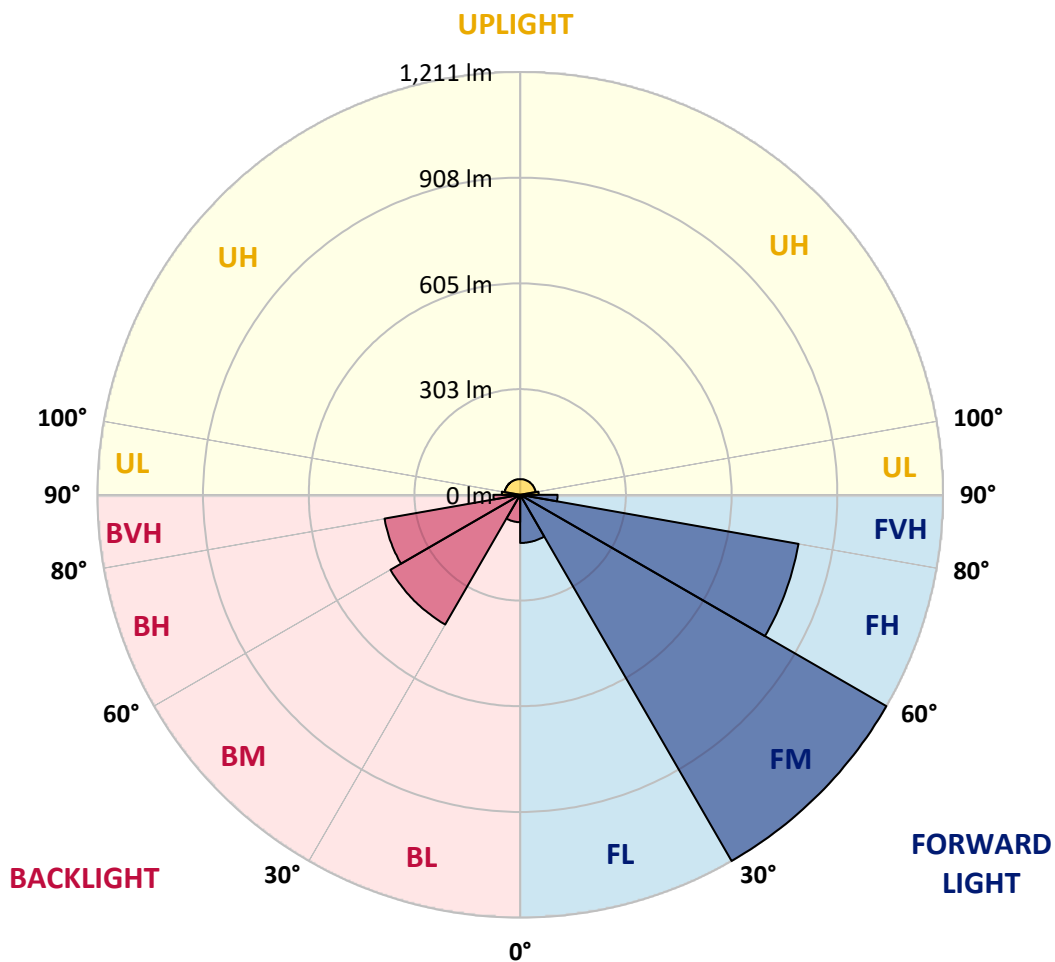
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	137.9	4.1			
FM	(30°-60°)	1210.8	36.4			
FH	(60°-80°)	809.3	24.3			G1/1800
FVH	(80°-90°)	107.0	3.2			G2/225
BL	(0°-30°)	78.3	2.4	B0/110		
BM	(30°-60°)	428.8	12.9	B1/1000		
BH	(60°-80°)	394.3	11.8	B1/500		G1/500
BVH	(80°-90°)	76.5	2.3			G1/100
UL	(90°-100°)	53.0	1.6		U3/500	
UH	(100°-180°)	45.0	1.4		U2/50	

BUG Rating: B1-U3-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	107.3	107.3	107.3	107.3	107.3	107.3	107.3	107.3	107.3	107.3	107.3
2.5°	116.1	115.7	115.7	116.1	114.9	114.5	113.2	111.7	110.5	110.1	108.9
5°	128.7	128.0	127.2	127.6	126.3	124.4	122.3	120.0	118.0	117.2	115.3
7.5°	143.8	144.5	143.0	142.2	140.7	138.6	135.0	132.3	129.5	128.4	126.3
10°	167.6	168.0	165.2	165.6	160.8	158.5	154.9	150.2	147.0	145.0	142.2
12.5°	200.0	199.7	196.5	195.3	189.3	184.9	179.4	173.9	170.7	168.4	163.6
15°	239.7	238.9	236.9	232.1	223.0	217.5	210.7	202.4	198.0	194.9	189.8
17.5°	286.4	286.7	282.8	276.5	264.2	256.2	246.3	235.3	228.9	224.5	219.0
20°	344.6	345.0	337.9	328.8	312.9	301.9	285.2	274.9	264.9	262.6	253.9
22.5°	413.9	413.5	402.8	391.0	369.6	352.9	334.7	318.0	306.6	303.4	293.9
25°	492.8	491.9	478.8	466.2	434.1	412.4	388.6	368.0	356.5	350.2	339.4
27.5°	585.4	583.8	566.4	548.2	507.4	475.4	446.4	427.0	412.8	404.4	392.5
30°	685.3	683.6	662.7	633.0	589.0	552.2	514.1	491.5	475.4	469.0	452.8
32.5°	793.0	789.8	765.3	729.3	677.3	630.5	592.2	566.4	546.6	540.3	519.2
35°	902.3	897.9	871.8	829.8	770.0	718.9	679.8	652.7	628.2	619.9	594.5
37.5°	1007.3	1001.4	980.7	927.6	867.1	819.5	775.6	741.8	714.9	707.5	674.1
40°	1090.5	1086.9	1067.9	1016.8	958.9	911.0	877.4	850.4	816.3	804.9	769.3
42.5°	1153.8	1150.3	1135.6	1093.2	1041.8	1008.8	980.7	961.4	932.0	919.7	869.4
45°	1186.7	1181.5	1175.3	1144.7	1109.5	1093.2	1089.6	1082.5	1054.0	1039.7	981.1
47.5°	1179.2	1176.8	1182.7	1164.1	1150.3	1164.5	1195.0	1209.3	1176.4	1163.3	1101.5
50°	1131.7	1134.9	1149.9	1148.3	1161.8	1210.0	1286.9	1334.0	1313.5	1296.1	1228.7
52.5°	1052.0	1056.4	1083.3	1097.9	1136.8	1228.3	1358.2	1451.7	1453.7	1433.5	1357.5
55°	947.5	957.0	989.8	1018.3	1081.0	1207.3	1400.2	1550.7	1580.5	1559.8	1479.0
57.5°	823.5	837.4	873.4	920.6	993.4	1149.9	1408.5	1624.8	1687.8	1670.8	1593.5
60°	694.4	704.3	749.0	802.1	874.9	1061.9	1374.0	1663.6	1772.2	1761.4	1698.5
62.5°	567.6	578.7	624.6	682.8	754.1	937.1	1292.1	1660.9	1811.3	1816.5	1760.6
64°	495.9	508.2	553.3	608.5	679.8	856.0	1224.0	1630.0	1810.5	1824.8	1775.7
65°	451.1	463.4	507.8	562.4	632.2	799.7	1172.8	1600.2	1803.1	1814.9	1776.0
67.5°	352.5	362.4	404.4	460.6	516.5	659.1	1010.9	1483.0	1742.0	1761.8	1739.2
70°	271.0	280.4	318.9	370.7	417.5	535.9	834.9	1311.5	1624.3	1652.2	1641.4
72.5°	208.4	216.3	250.3	295.5	333.5	423.8	667.1	1108.7	1454.0	1499.2	1501.2
75°	160.8	167.2	195.3	234.5	264.6	329.6	519.7	890.4	1237.1	1296.8	1310.7
77.5°	125.5	129.5	152.1	184.2	208.8	252.0	391.0	685.3	998.2	1057.6	1082.2
80°	98.6	101.8	119.3	144.5	164.0	189.3	286.4	507.0	765.3	819.1	842.5
82.5°	76.4	79.2	93.1	113.6	128.7	145.4	204.8	361.2	556.9	601.3	620.3
85°	58.2	60.3	72.1	87.6	99.8	111.7	143.0	246.7	387.8	421.5	434.5
87.5°	43.2	44.8	54.6	67.3	76.4	85.5	104.1	163.2	260.6	284.8	294.3
90°	31.3	32.5	40.4	51.1	59.0	65.8	75.7	108.1	167.6	183.8	190.9
92.5°	22.2	23.3	29.7	38.5	45.9	51.5	58.2	75.3	107.3	116.1	121.6
95°	16.3	17.1	21.8	28.9	35.6	40.8	46.3	54.6	70.9	75.7	77.6
97.5°	12.3	12.7	16.7	22.2	28.1	32.5	36.4	41.6	49.9	52.3	53.5
100°	9.5	9.9	13.1	17.8	22.6	26.5	29.4	32.5	36.8	38.5	39.2
102.5°	7.9	8.3	10.7	14.6	18.6	21.8	24.1	26.2	28.1	28.9	30.1
105°	7.2	7.2	9.5	12.7	15.9	18.6	20.6	21.4	21.8	22.2	22.6
107.5°	5.9	6.3	8.3	11.0	13.9	16.3	17.4	17.4	16.7	16.7	17.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
110°	5.5	5.5	7.2	9.5	12.3	13.9	14.6	13.9	12.3	12.3	12.7
112.5°	4.7	5.1	6.3	8.3	10.7	12.3	12.3	11.0	9.1	9.1	9.5
115°	4.4	4.4	5.5	7.6	9.1	10.3	10.3	9.1	6.8	6.8	7.2
117.5°	4.0	4.0	4.7	6.3	7.9	9.1	8.7	7.2	5.1	5.1	5.9
120°	4.0	4.0	4.4	5.5	6.8	7.6	7.2	5.5	4.0	4.0	4.7
122.5°	3.6	3.6	4.0	4.7	5.9	6.3	5.9	4.4	3.2	3.6	4.0
125°	3.6	3.6	3.6	4.4	5.1	5.5	5.1	3.6	2.8	2.8	3.2
127.5°	3.2	3.2	3.2	3.6	4.4	4.7	4.0	2.8	2.4	2.4	2.8
130°	3.2	3.2	2.8	3.2	4.0	4.0	3.2	1.9	1.5	1.9	2.4
132.5°	2.8	2.8	2.8	2.8	3.2	3.2	2.8	1.5	1.5	1.5	1.9
135°	2.8	2.8	2.4	2.4	2.8	2.8	1.9	1.2	1.2	1.2	1.5
137.5°	2.4	2.4	2.4	1.9	1.9	1.9	1.5	0.8	0.8	1.2	1.2
140°	1.9	1.9	1.9	1.5	1.5	1.2	0.8	0.4	0.8	0.8	1.2
142.5°	1.5	1.5	1.5	1.2	1.2	0.8	0.4	0.4	0.4	0.8	0.8
145°	1.2	1.2	1.2	0.8	0.8	0.4	0.4	0.4	0.4	0.4	0.8
147.5°	0.8	0.8	0.8	0.4	0.0	0.0	0.0	0.0	0.4	0.4	0.4
150°	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	107.3	107.3	107.3	107.3	107.3	107.3	107.3	107.3	107.3	107.3	107.3
2.5°	108.5	108.1	106.9	106.2	105.4	104.5	104.5	103.7	103.4	103.0	103.0
5°	114.9	113.2	111.3	109.8	107.7	105.8	104.1	103.0	102.2	101.8	101.4
7.5°	124.4	122.3	118.9	116.1	112.5	109.8	107.3	105.0	104.1	103.4	103.4
10°	140.2	136.7	131.6	126.3	121.6	116.8	114.1	110.9	110.1	109.4	109.4
12.5°	161.2	157.6	149.4	142.2	134.7	128.4	124.0	121.2	120.4	119.3	119.6
15°	186.2	179.8	170.7	160.4	150.9	142.2	137.1	132.7	130.7	129.5	129.9
17.5°	214.3	207.1	194.1	180.7	168.4	158.9	150.2	143.8	140.7	139.4	139.4
20°	246.7	238.9	222.2	204.0	188.1	174.7	163.6	154.1	150.2	148.5	148.5
22.5°	285.2	275.3	252.4	228.9	209.1	189.3	174.7	163.2	158.5	156.8	156.8
25°	329.6	316.5	287.1	258.3	228.5	202.0	183.4	171.1	165.6	163.6	163.6
27.5°	375.9	363.7	325.6	288.8	248.0	212.3	190.2	176.7	170.3	169.1	168.8
30°	434.5	417.1	368.0	317.6	264.6	219.4	192.9	179.8	173.5	172.3	172.3
32.5°	495.9	475.4	415.9	347.8	277.2	222.6	193.3	181.1	175.4	174.3	173.9
35°	568.0	541.4	465.9	378.7	288.8	223.8	192.9	181.8	177.5	175.8	175.4
37.5°	646.4	612.7	518.5	407.2	294.7	221.8	191.7	181.4	178.2	176.3	175.8
40°	731.2	692.3	578.7	430.2	295.5	217.9	189.3	181.8	178.6	176.3	175.4
42.5°	825.8	779.1	636.9	451.1	293.1	213.1	187.7	181.8	179.0	176.3	175.4
45°	931.2	874.2	698.0	467.4	286.7	207.6	186.2	181.8	179.4	175.8	175.4
47.5°	1043.7	976.0	760.5	480.1	278.9	202.0	185.4	182.6	180.7	176.3	175.8
50°	1161.4	1083.3	821.1	488.4	269.3	196.8	184.5	182.6	181.4	176.7	176.3
52.5°	1288.1	1197.0	886.9	492.8	258.3	191.7	183.8	183.4	182.2	177.9	177.1
55°	1406.1	1306.3	945.5	492.8	246.7	187.0	183.0	183.8	183.4	179.0	178.2
57.5°	1516.2	1407.0	997.0	486.8	234.5	182.2	181.4	183.4	183.8	179.8	179.0
60°	1611.4	1494.8	1033.4	477.3	221.8	177.5	179.4	182.6	183.8	180.2	179.4
62.5°	1675.5	1555.9	1045.7	457.1	208.4	172.3	175.8	180.2	182.6	179.4	178.6
64°	1695.3	1571.4	1042.9	442.0	200.0	169.1	173.5	178.6	181.1	178.6	177.9
65°	1700.9	1573.7	1033.0	429.3	194.9	166.7	171.5	177.1	179.8	177.5	176.7
67.5°	1667.6	1532.5	984.3	391.8	182.6	160.4	165.9	171.5	175.0	173.9	173.1
70°	1582.8	1445.3	903.9	350.6	169.9	152.9	158.5	164.4	168.8	168.0	167.6
72.5°	1443.0	1307.9	802.5	302.2	157.2	144.5	148.5	155.3	159.6	159.3	158.5
75°	1258.0	1126.9	663.1	258.3	143.4	133.9	137.8	143.8	148.1	147.3	147.3
77.5°	1041.8	916.2	532.3	213.5	130.7	122.3	125.9	130.7	134.7	133.5	133.1
80°	811.6	705.0	406.8	173.9	117.2	110.1	112.5	116.1	119.6	118.0	117.6
82.5°	596.5	515.7	299.8	139.4	103.7	96.3	98.2	101.4	103.4	101.8	101.4
85°	418.3	360.5	217.1	110.9	89.1	82.8	83.2	84.8	86.3	84.0	83.6
87.5°	282.0	241.6	150.5	88.0	75.3	69.7	69.4	70.1	71.3	68.9	67.7
90°	184.9	157.6	103.0	71.3	63.0	58.2	57.4	57.4	57.8	55.0	54.2
92.5°	117.2	102.2	74.9	58.2	52.7	48.3	47.2	46.7	46.3	43.6	43.2
95°	76.4	70.1	57.4	48.3	43.6	40.0	38.8	38.1	37.2	35.3	34.5
97.5°	53.9	50.7	45.5	40.0	36.4	33.2	32.1	30.9	30.1	27.7	27.3
100°	40.4	39.2	36.8	33.2	30.5	27.7	26.5	25.4	24.6	22.2	21.8
102.5°	31.3	31.3	30.1	27.7	25.4	23.0	22.2	21.0	19.8	18.2	17.8
105°	24.1	24.1	24.6	23.3	21.4	19.8	18.6	17.8	16.7	14.6	14.6
107.5°	18.2	19.0	19.8	19.4	18.2	16.7	15.9	15.0	13.5	12.3	12.3



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CATALOG NUMBER: LXF.LXT-AF24-30-D-U-T2U-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	13.9	14.2	15.9	16.3	15.4	14.2	13.5	12.3	11.0	9.9	9.9
112.5°	10.3	11.0	12.7	13.5	13.1	12.3	11.5	10.3	8.7	8.3	8.3
115°	7.9	8.7	10.3	11.0	11.0	10.3	9.5	8.3	7.2	6.8	7.2
117.5°	6.3	7.2	8.3	9.1	9.1	8.3	7.9	6.8	5.9	5.9	5.9
120°	5.1	5.9	6.8	7.6	7.6	7.2	6.3	5.5	4.7	5.1	5.1
122.5°	4.4	4.7	5.5	5.9	6.3	5.9	5.1	4.4	4.0	4.4	4.4
125°	3.6	4.0	4.7	4.7	5.1	4.7	4.4	3.6	3.2	3.6	3.6
127.5°	3.2	3.6	4.0	4.0	4.4	4.0	3.6	2.8	2.8	3.2	3.2
130°	2.4	2.8	3.2	3.2	3.6	3.2	2.8	2.4	2.4	2.8	2.8
132.5°	1.9	2.4	2.4	2.8	2.8	2.8	2.4	1.5	1.9	1.9	1.9
135°	1.9	1.9	2.4	1.9	1.9	1.9	1.5	1.2	1.5	1.5	1.5
137.5°	1.5	1.5	1.9	1.9	1.5	1.5	1.2	0.8	1.2	1.5	1.5
140°	1.2	1.5	1.5	1.5	1.5	1.2	0.8	0.4	0.8	0.8	0.8
142.5°	1.2	1.2	1.5	1.5	1.2	0.8	0.4	0.0	0.4	0.4	0.4
145°	0.8	1.2	1.2	1.2	0.8	0.8	0.4	0.0	0.0	0.4	0.0
147.5°	0.8	0.8	1.2	0.8	0.8	0.4	0.0	0.0	0.0	0.0	0.0
150°	0.4	0.8	0.8	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.4	0.4	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)