

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: P254734

Luminaire Tested: **LXF.LXT-AF24-30-D-U-T2U-CL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254734
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-27)
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-CL-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3186 lumens
Efficiency: N/A
Efficacy: 102.8 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B1 - U2 - G1

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

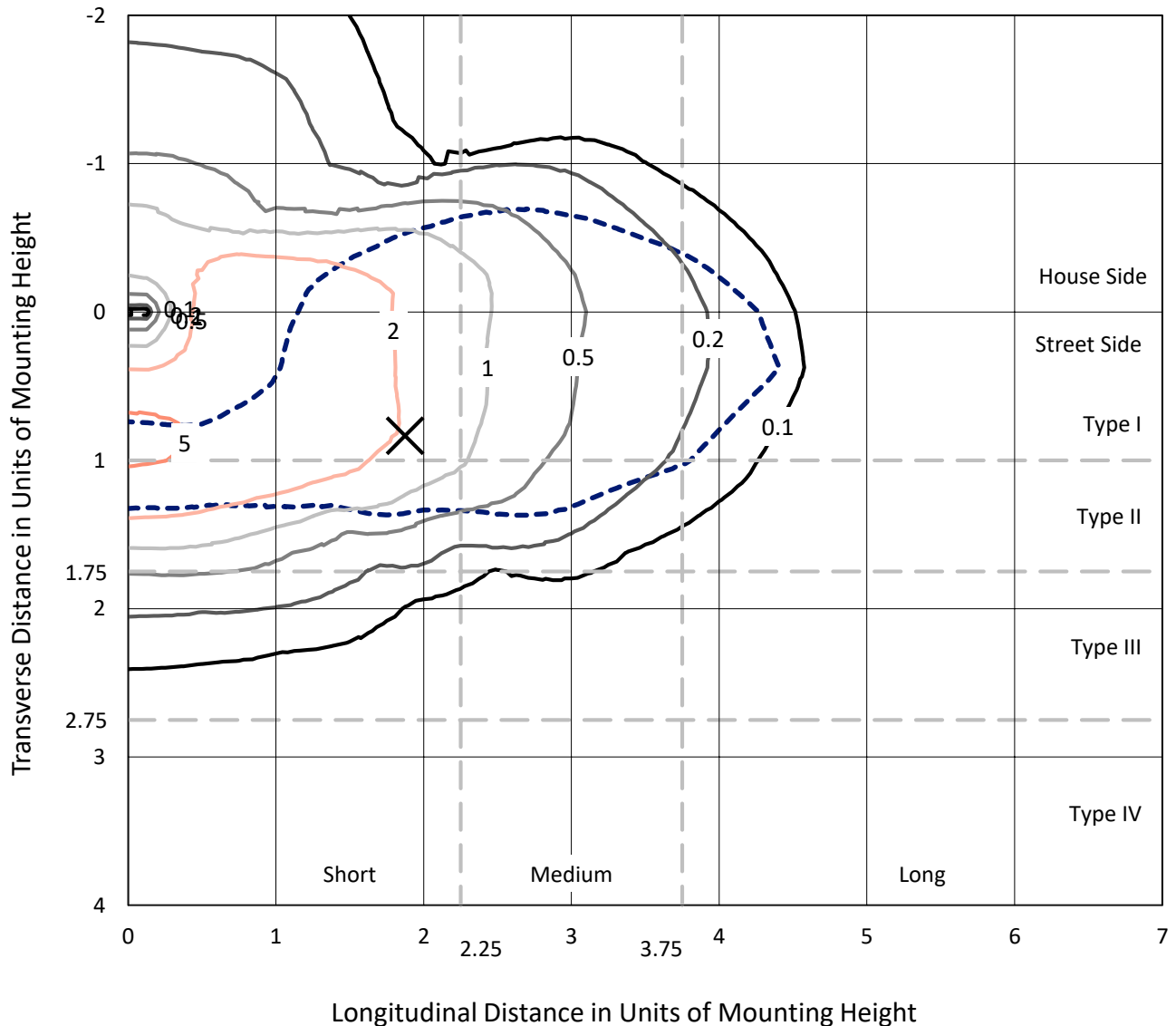


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

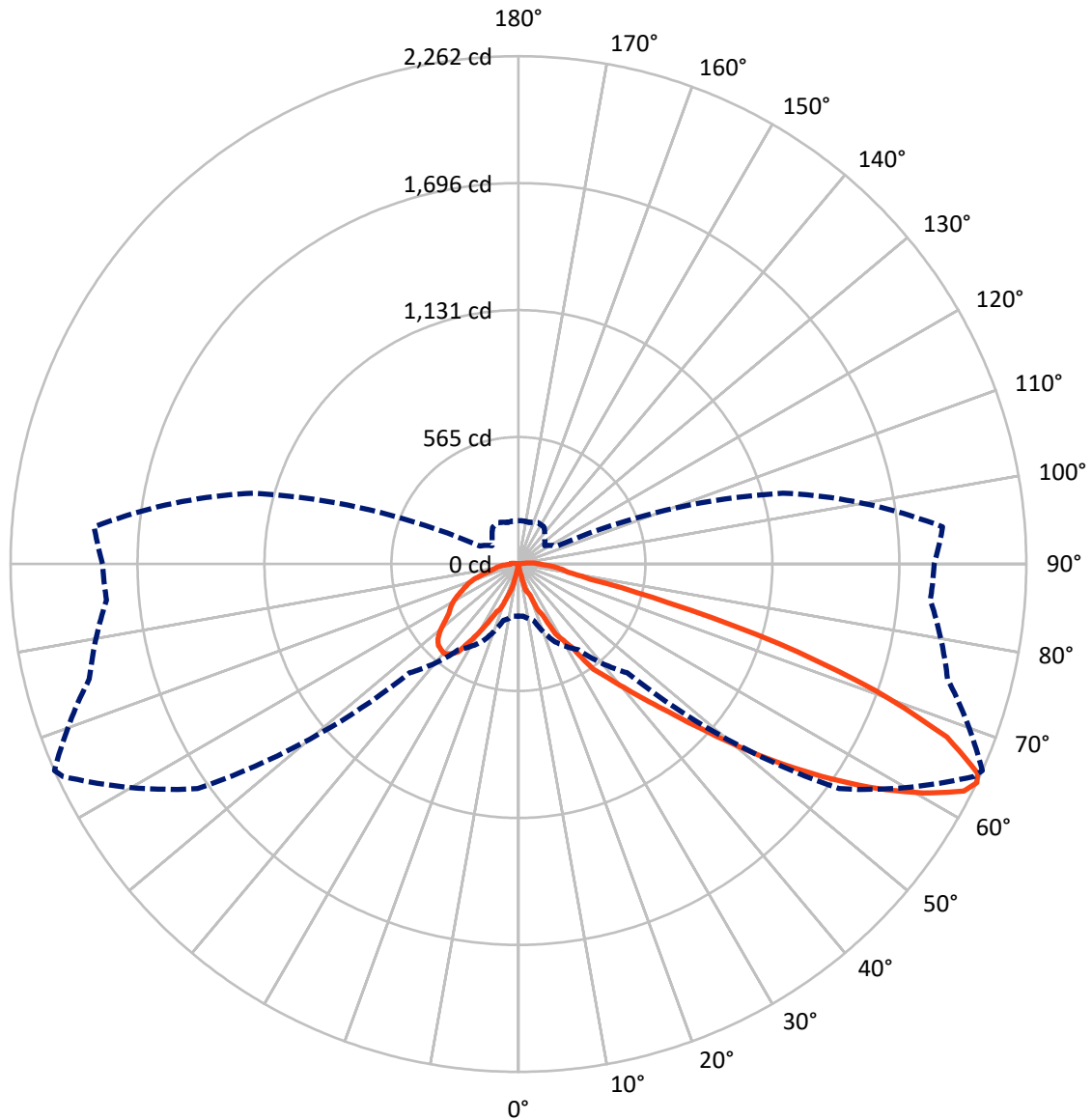


Based on 10 foot mounting height. Maximum calculated value = 6 fc
 Type II - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical



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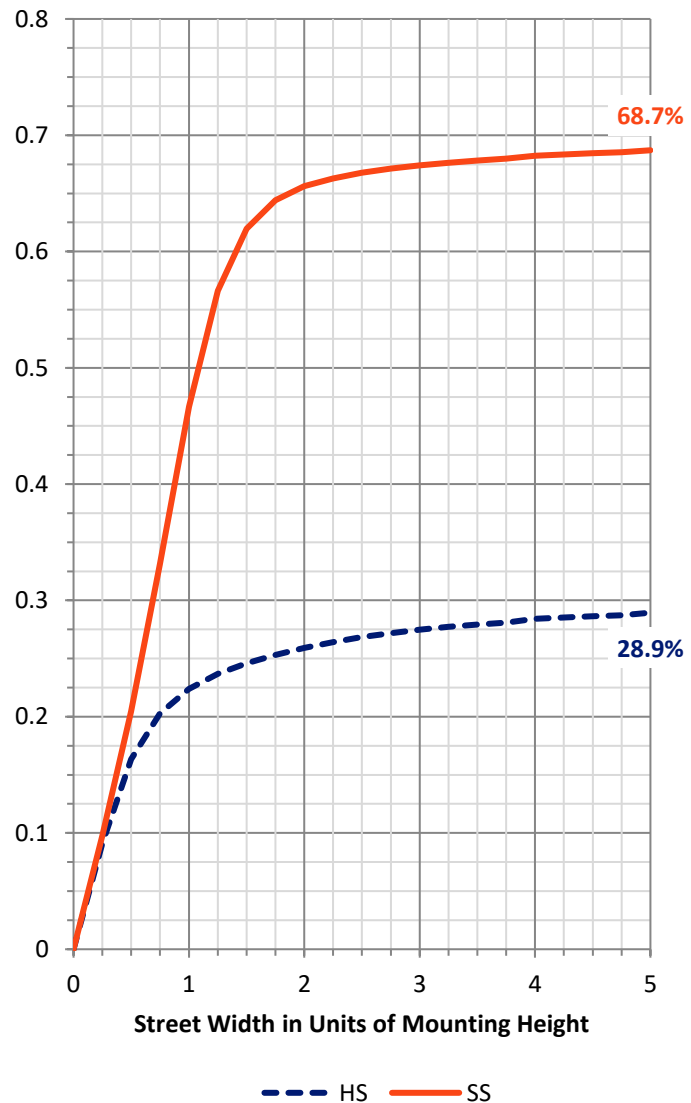
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	942.8	19.5	962.3
	% Fixture	29.6	0.6	30.2
Street Side	Lumens	2205.9	17.7	2223.6
	% Fixture	69.2	0.6	69.8
Total	Lumens	3148.8	37.2	3186.0
	% Fixture	98.8	1.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.1	0.1
10°-20°	30.9	1.0
20°-30°	124.5	3.9
30°-40°	315.2	9.9
40°-50°	601.0	18.9
50°-60°	806.1	25.3
60°-70°	746.4	23.4
70°-80°	419.8	13.2
80°-90°	102.7	3.2
90°-100°	31.3	1.0
100°-110°	3.7	0.1
110°-120°	1.0	0.0
120°-130°	0.6	0.0
130°-140°	0.2	0.0
140°-150°	0.3	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3148.8	98.8
0°-180°	3186.0	100.0



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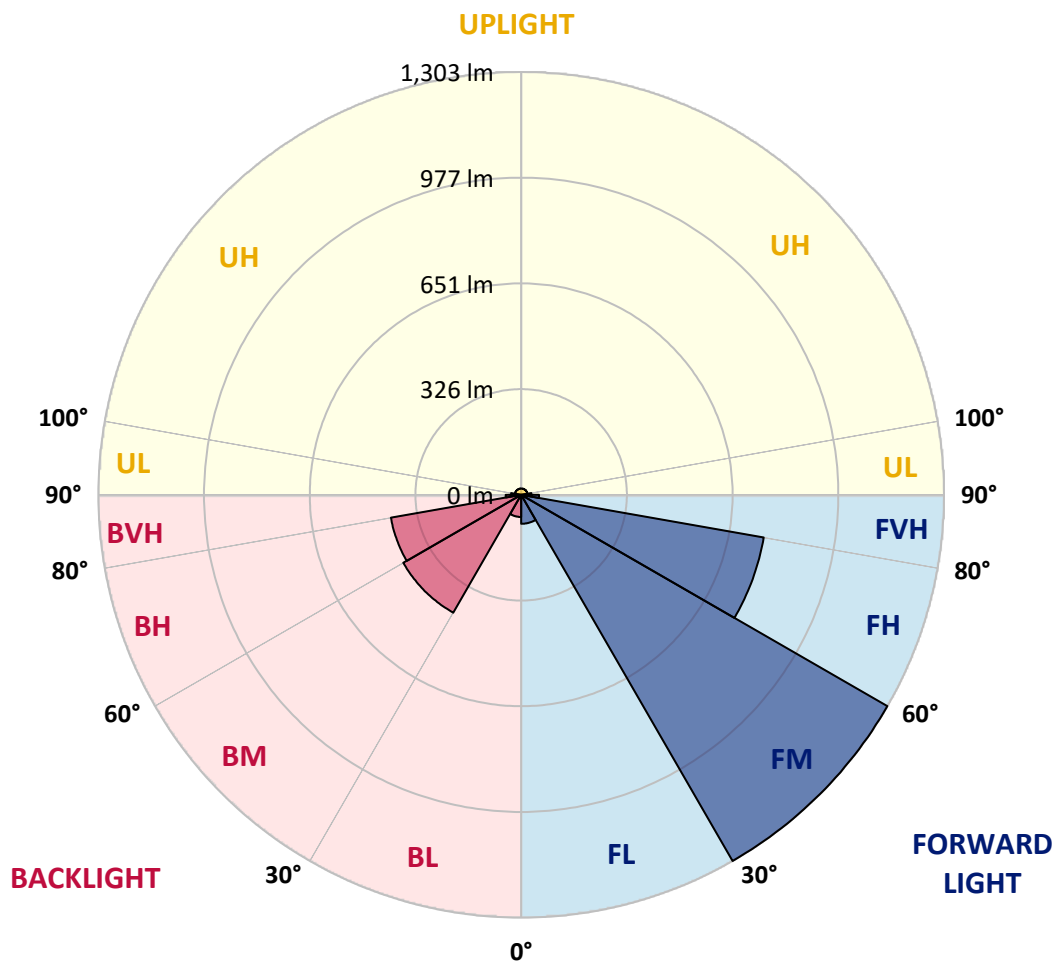
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	89.2	2.8			
FM (30°-60°)	1302.8	40.9			
FH (60°-80°)	758.9	23.8			G1/1800
FVH (80°-90°)	55.0	1.7			G1/100
BL (0°-30°)	68.3	2.1	B0/110		
BM (30°-60°)	419.5	13.2	B1/1000		
BH (60°-80°)	407.3	12.8	B1/500		G1/500
BVH (80°-90°)	47.8	1.5			G1/100
UL (90°-100°)	31.3	1.0		U2/50	
UH (100°-180°)	19.5	0.6		U2/50	

BUG Rating: B1-U2-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
2.5°	3.8	3.8	3.8	4.2	3.8	3.4	2.9	2.3	1.8	1.1	1.1
5°	49.0	49.0	48.7	47.2	14.6	7.5	4.9	2.9	2.9	1.8	1.1
7.5°	55.0	54.7	54.7	53.2	52.8	48.7	24.7	4.9	4.5	2.6	1.5
10°	61.0	59.5	58.8	57.7	58.0	54.7	51.0	23.9	13.8	5.3	4.2
12.5°	113.1	112.3	109.0	91.8	63.7	58.5	57.4	48.0	46.4	40.1	46.9
15°	125.1	122.8	120.6	120.1	113.8	71.1	90.2	118.0	119.1	91.8	99.3
17.5°	146.1	142.4	134.8	129.3	125.8	146.1	134.5	130.3	131.4	112.3	112.0
20°	221.4	221.0	217.2	191.7	143.7	180.5	173.8	149.0	148.4	203.0	198.2
22.5°	261.1	254.7	249.8	241.6	247.3	197.8	211.3	217.2	222.2	232.9	222.9
25°	392.6	360.3	344.2	279.8	294.5	250.2	278.3	254.7	252.5	260.4	280.6
27.5°	452.9	454.7	442.0	419.1	340.2	350.9	310.6	356.9	354.0	360.3	345.7
30°	603.1	592.9	523.7	501.2	439.8	400.0	428.2	401.5	392.9	385.4	382.1
32.5°	743.5	743.2	724.4	631.5	553.6	468.1	487.0	446.1	448.7	497.4	509.4
35°	961.9	947.8	835.3	778.7	661.4	597.8	546.9	580.1	575.7	569.0	573.8
37.5°	1214.4	1196.4	1100.9	924.2	802.0	685.8	679.5	655.5	639.0	646.5	651.4
40°	1362.4	1347.3	1263.8	1113.6	936.1	839.4	777.3	741.7	721.4	751.0	749.8
42.5°	1467.6	1454.5	1406.5	1251.4	1125.6	1022.5	893.4	842.4	821.4	866.8	849.2
45°	1521.1	1498.3	1492.7	1375.8	1291.1	1245.1	1054.1	966.1	939.8	988.1	967.2
47.5°	1493.8	1468.7	1490.4	1416.2	1440.2	1438.4	1253.8	1109.8	1092.6	1133.1	1101.7
50°	1366.9	1352.2	1399.1	1409.1	1516.6	1594.9	1475.9	1262.3	1284.1	1264.5	1243.3
52.5°	1157.8	1151.8	1226.8	1311.0	1505.0	1697.6	1680.3	1436.9	1485.6	1398.6	1370.2
55°	935.7	936.8	1018.6	1118.2	1384.1	1712.2	1858.3	1645.1	1686.8	1533.9	1494.2
57.5°	683.2	713.3	806.5	891.1	1154.1	1616.3	1968.5	1853.4	1887.9	1673.7	1607.3
60°	443.1	454.0	566.4	700.8	851.0	1325.7	2011.1	2044.0	2070.7	1818.5	1715.2
62.5°	292.6	293.7	340.2	495.2	588.5	925.2	1907.0	2201.3	2226.8	1930.2	1806.9
64°	232.9	232.6	259.9	380.2	467.1	684.7	1744.0	2237.7	2261.6	1978.4	1841.4
65°	205.6	205.3	225.1	305.7	399.4	547.3	1581.4	2224.6	2247.8	2000.2	1850.8
67.5°	174.6	175.3	183.1	210.1	289.2	329.2	967.5	2038.4	2057.6	1983.4	1818.2
70°	161.0	161.8	171.2	176.5	228.2	244.6	420.6	1665.0	1687.1	1906.6	1743.2
72.5°	141.9	143.1	155.4	169.0	181.0	203.0	267.8	1145.8	1209.2	1653.4	1642.5
75°	118.8	119.8	131.4	149.0	157.7	165.5	231.8	607.9	686.5	1244.4	1463.8
77.5°	97.0	97.8	107.5	119.5	143.4	128.5	203.0	311.0	329.6	787.3	1082.5
80°	71.6	72.3	82.8	95.9	111.2	112.0	167.3	224.0	225.1	430.8	584.3
82.5°	49.0	49.5	60.0	67.4	78.6	103.8	134.1	184.6	194.1	255.8	268.6
85°	33.8	34.1	40.4	43.0	49.5	57.4	97.0	145.0	159.2	183.5	161.0
87.5°	16.1	16.8	17.6	18.7	19.4	20.2	41.6	106.7	112.3	122.5	127.4
90°	13.4	13.4	10.5	10.2	11.6	12.0	19.1	91.0	89.1	117.2	126.6
92.5°	13.4	13.4	9.8	9.4	10.5	10.2	13.8	75.0	72.6	115.4	125.1
95°	11.6	12.0	7.8	7.5	9.0	8.2	10.8	43.8	46.4	81.3	92.6
97.5°	9.8	9.8	6.0	6.0	6.3	6.0	7.1	16.1	18.0	34.4	40.9
100°	7.1	7.5	3.8	4.2	4.2	3.8	3.8	6.8	7.5	9.4	9.0
102.5°	6.0	6.8	2.6	2.9	2.3	2.3	1.8	2.9	2.9	4.9	7.1
105°	4.5	5.3	1.8	1.8	1.5	1.5	0.8	2.3	2.3	4.2	7.5
107.5°	2.6	2.9	1.1	1.1	1.1	1.5	0.8	1.5	1.8	3.4	6.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
110°	1.1	1.1	0.3	0.8	0.3	1.1	0.8	1.5	1.8	1.5	3.4
112.5°	0.0	0.0	0.0	0.0	0.0	0.3	0.8	1.1	1.1	0.8	1.8
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.8	0.3	0.8	1.8
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.8	1.8
120°	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.8	1.8
122.5°	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.8	1.5
125°	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.5
127.5°	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.1
130°	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.1
132.5°	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
135°	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
137.5°	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.8	0.8	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	1.1	1.1	1.1	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0
145°	1.5	1.5	1.5	1.1	0.3	0.0	0.0	0.0	0.0	0.0	0.3
147.5°	1.8	1.8	1.5	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.3
150°	1.5	1.5	1.1	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.3
152.5°	0.8	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
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°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
2.5°	1.1	1.5	1.5	1.8	1.8	2.3	2.3	2.3	2.3	1.8	1.8
5°	1.1	1.5	1.5	1.8	2.3	2.9	3.4	4.2	4.2	4.5	4.5
7.5°	1.5	1.5	1.8	2.3	3.4	5.6	16.8	53.5	55.4	60.3	60.6
10°	3.8	4.2	4.2	4.5	10.8	55.0	61.8	64.5	67.8	68.2	67.8
12.5°	49.5	47.5	45.7	14.2	54.3	66.3	68.2	71.9	73.8	79.4	79.4
15°	100.0	100.0	96.7	106.4	96.2	73.8	79.4	124.8	129.3	132.6	130.7
17.5°	113.5	113.5	111.2	134.8	145.0	116.9	127.8	137.4	140.5	141.2	140.8
20°	204.1	201.9	182.0	165.5	151.4	185.4	156.6	141.6	168.6	195.1	196.6
22.5°	222.2	219.2	214.2	217.2	198.9	190.9	179.4	188.4	194.4	195.6	195.9
25°	280.1	278.3	242.0	231.5	249.8	213.2	215.8	184.6	188.0	192.2	191.7
27.5°	347.2	341.2	322.9	277.2	261.4	251.3	203.8	195.1	215.8	216.9	216.2
30°	385.4	368.5	334.9	342.3	282.4	240.5	202.2	204.6	195.6	195.9	196.6
32.5°	513.9	493.8	450.2	398.1	301.5	226.2	195.9	183.5	198.2	200.8	201.9
35°	561.8	543.9	506.4	471.2	307.1	215.8	174.2	179.8	180.2	181.0	181.7
37.5°	628.6	603.4	572.3	493.8	305.3	189.9	169.7	170.5	182.5	184.6	185.7
40°	710.6	678.7	643.9	503.8	275.4	180.2	166.0	171.5	175.7	174.6	175.3
42.5°	807.5	764.5	715.8	491.7	233.4	175.7	166.0	169.7	170.5	167.0	167.0
45°	919.2	871.3	776.9	478.3	201.1	177.2	169.7	167.3	163.7	158.9	157.7
47.5°	1041.4	985.5	833.1	452.2	178.6	176.0	172.0	163.7	159.5	155.4	155.4
50°	1172.1	1113.3	880.9	411.7	168.2	174.2	170.8	166.0	161.4	153.9	153.6
52.5°	1297.1	1249.2	940.6	356.6	158.1	175.7	179.4	168.6	162.1	152.1	152.1
55°	1418.1	1390.5	994.1	313.1	153.9	171.2	184.3	175.0	161.4	153.6	153.9
57.5°	1538.8	1535.4	1055.6	284.0	149.0	168.6	190.6	179.8	168.6	160.7	160.7
60°	1675.8	1691.3	1134.5	251.3	148.4	165.5	193.3	188.0	175.0	173.4	173.8
62.5°	1793.8	1833.9	1194.9	213.5	143.4	163.4	197.8	195.9	182.8	181.3	183.5
64°	1852.0	1896.5	1218.5	189.9	142.4	164.8	199.6	203.8	191.4	193.0	193.0
65°	1872.9	1916.7	1225.3	174.2	141.2	165.5	200.1	206.4	193.3	193.0	193.0
67.5°	1873.6	1907.3	1201.7	149.4	136.3	165.2	201.9	213.5	200.8	209.3	206.1
70°	1829.4	1785.7	1110.3	132.2	135.6	165.5	200.4	209.8	198.6	218.0	216.2
72.5°	1707.7	1550.4	882.2	116.5	137.1	163.4	192.6	200.1	191.7	220.2	218.4
75°	1442.9	1208.4	543.1	109.0	135.3	155.4	183.1	182.0	177.9	195.9	194.8
77.5°	991.5	795.2	259.9	106.4	132.6	144.5	162.6	160.7	156.2	163.7	161.4
80°	513.2	420.3	156.9	97.4	123.3	125.4	132.6	134.1	129.3	131.1	128.1
82.5°	242.8	221.8	131.8	88.8	105.7	92.9	103.0	107.8	99.3	99.7	89.1
85°	151.7	154.7	108.6	69.0	71.1	56.6	71.6	76.8	65.9	56.2	53.5
87.5°	125.8	131.4	80.2	38.6	33.0	28.9	40.4	42.3	30.4	25.4	23.6
90°	130.0	134.1	79.0	30.7	26.2	21.8	29.6	26.2	18.7	16.5	15.0
92.5°	128.8	130.7	78.3	29.6	24.7	19.8	25.1	20.2	14.6	12.8	11.6
95°	97.0	104.2	63.3	28.9	21.8	16.1	18.7	15.8	10.2	9.0	8.2
97.5°	40.1	47.2	37.4	27.4	16.8	12.0	12.3	10.8	6.0	5.3	4.9
100°	7.8	12.3	19.8	19.8	8.2	6.3	6.3	6.0	2.9	2.6	2.3
102.5°	7.8	7.5	9.0	10.8	3.8	1.8	2.3	2.9	1.8	2.6	2.6
105°	8.2	7.8	4.9	2.9	2.3	1.1	0.8	0.8	1.5	2.9	3.4
107.5°	7.5	7.5	3.4	2.3	1.8	1.5	0.3	0.3	1.1	3.4	3.8



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CATALOG NUMBER: LXF.LXT-AF24-30-D-U-T2U-CL-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	3.8	4.2	2.6	1.8	1.8	1.5	0.3	0.0	1.1	3.8	4.2
112.5°	2.3	2.3	2.3	1.5	1.1	1.1	0.3	0.0	1.1	4.2	4.5
115°	2.3	2.3	1.8	1.5	1.1	0.8	0.0	0.0	1.1	4.5	4.9
117.5°	2.3	2.3	1.8	1.1	0.8	0.3	0.0	0.0	1.1	4.5	4.9
120°	2.3	2.3	1.8	1.1	0.8	0.3	0.0	0.0	1.1	4.2	4.5
122.5°	2.3	2.3	1.8	1.1	0.8	0.3	0.0	0.0	1.1	3.4	3.8
125°	1.8	1.8	1.5	1.1	0.8	0.3	0.0	0.0	0.8	2.9	2.9
127.5°	1.5	1.8	1.5	1.1	0.8	0.3	0.0	0.0	0.8	2.3	2.6
130°	1.5	1.5	1.1	1.1	0.8	0.3	0.0	0.0	0.3	1.8	2.3
132.5°	1.1	1.1	0.8	0.8	0.8	0.3	0.0	0.0	0.0	0.8	1.1
135°	0.3	0.8	0.8	0.8	0.8	0.3	0.0	0.0	0.0	0.0	0.3
137.5°	0.3	0.3	0.8	0.8	0.8	0.3	0.0	0.0	0.0	0.0	0.0
140°	0.3	0.3	0.8	0.8	0.8	0.3	0.0	0.0	0.0	0.0	0.0
142.5°	0.3	0.3	0.8	0.8	0.8	0.3	0.0	0.0	0.0	0.0	0.0
145°	0.3	0.8	0.8	1.1	0.8	0.3	0.0	0.0	0.0	0.0	0.0
147.5°	0.8	0.8	0.8	1.1	0.8	0.3	0.0	0.0	0.0	0.0	0.0
150°	0.8	0.8	0.8	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.3	0.8	0.8	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.3	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)