

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: P266049

Luminaire Tested: **LXF.LXT-AF24-30-D-U-T4W-CL-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P266049
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-25)
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-T4W-CL-7027
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2834.5 lumens
Efficiency: N/A
Efficacy: 91.4 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type IV - Medium - Non-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

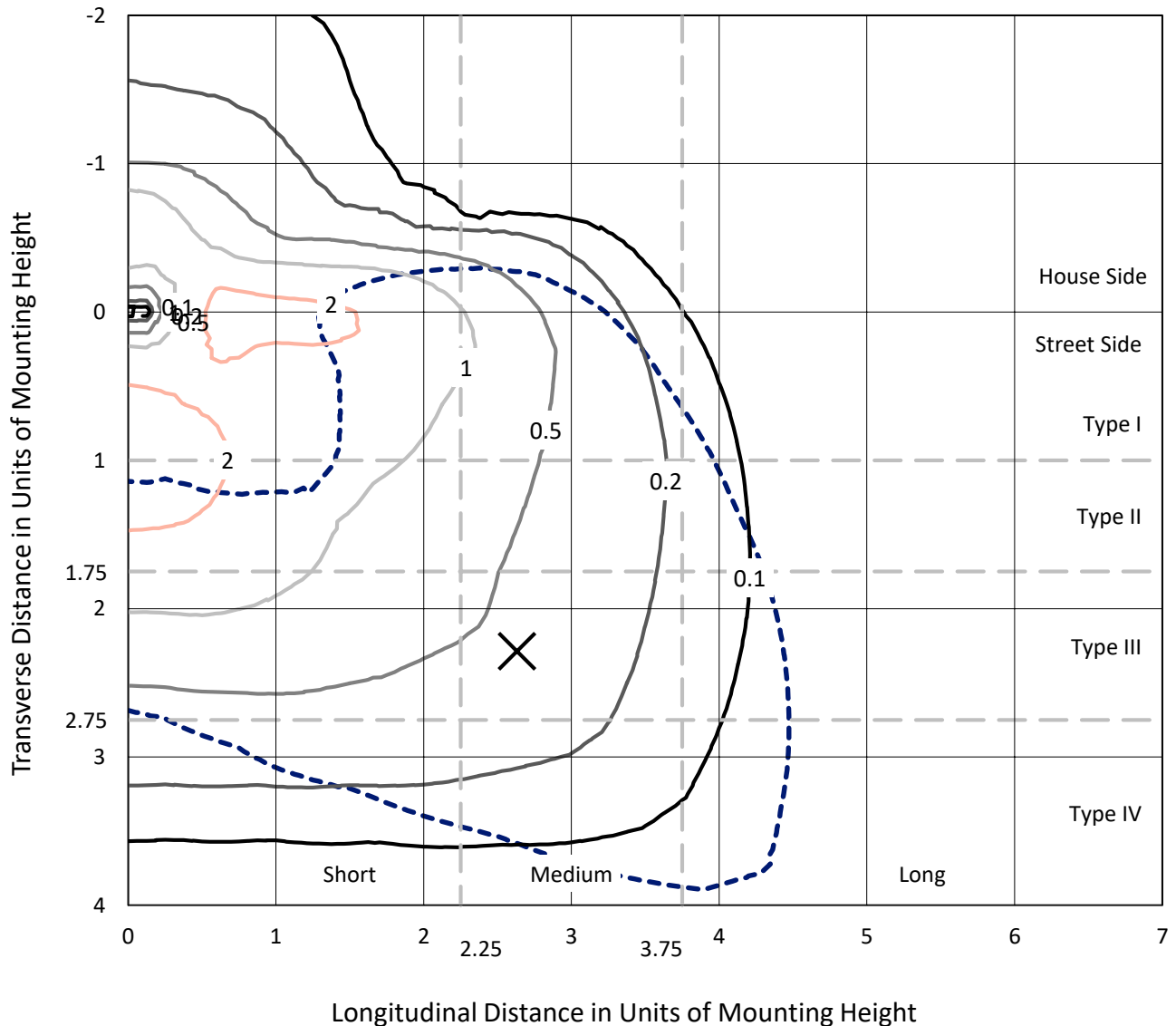


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Iso-Footcandle Lines of Horizontal Illumination

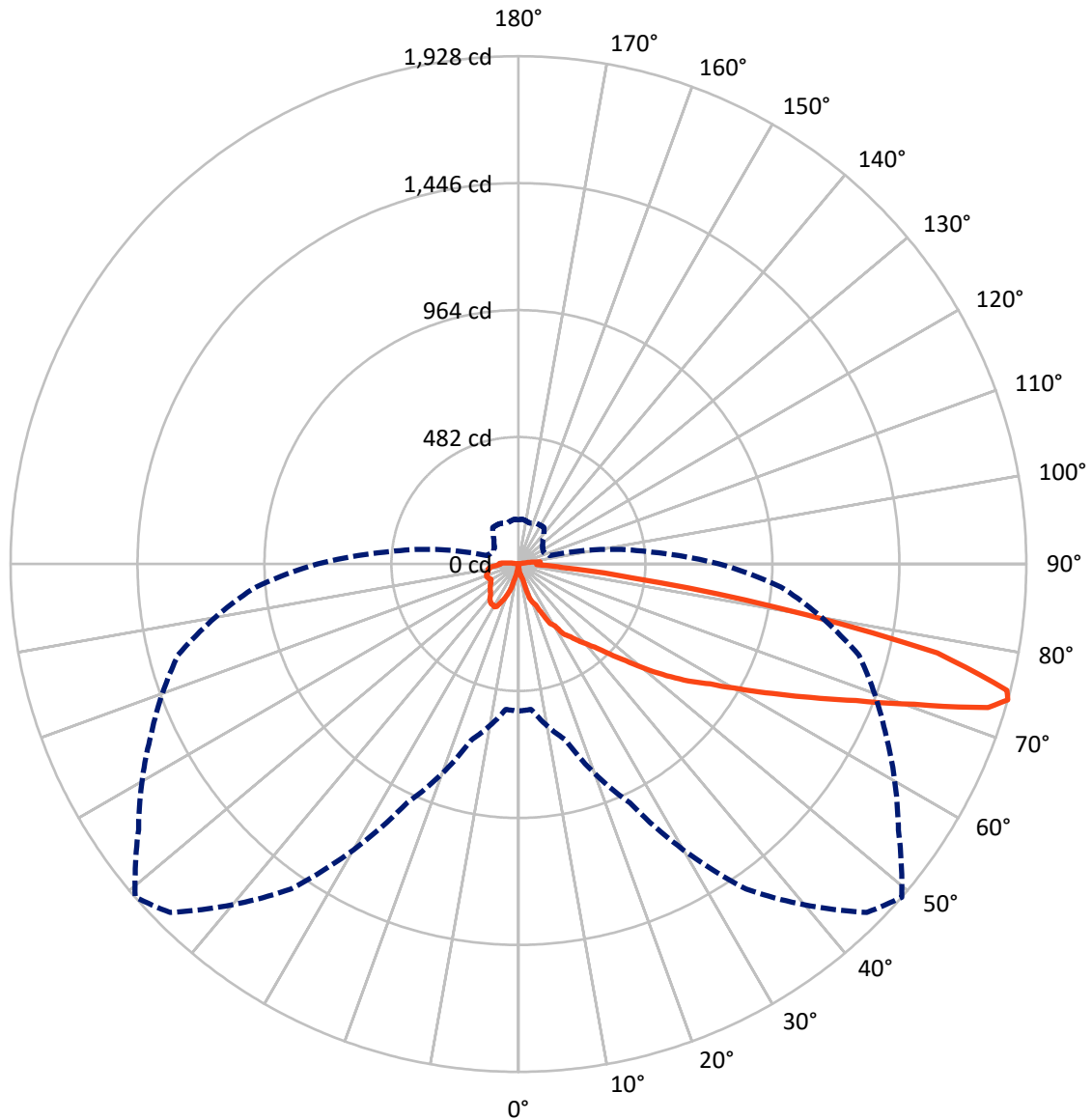
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.4 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 49-Deg Lateral - - - Horizontal Cone Through 74-Deg Vertical

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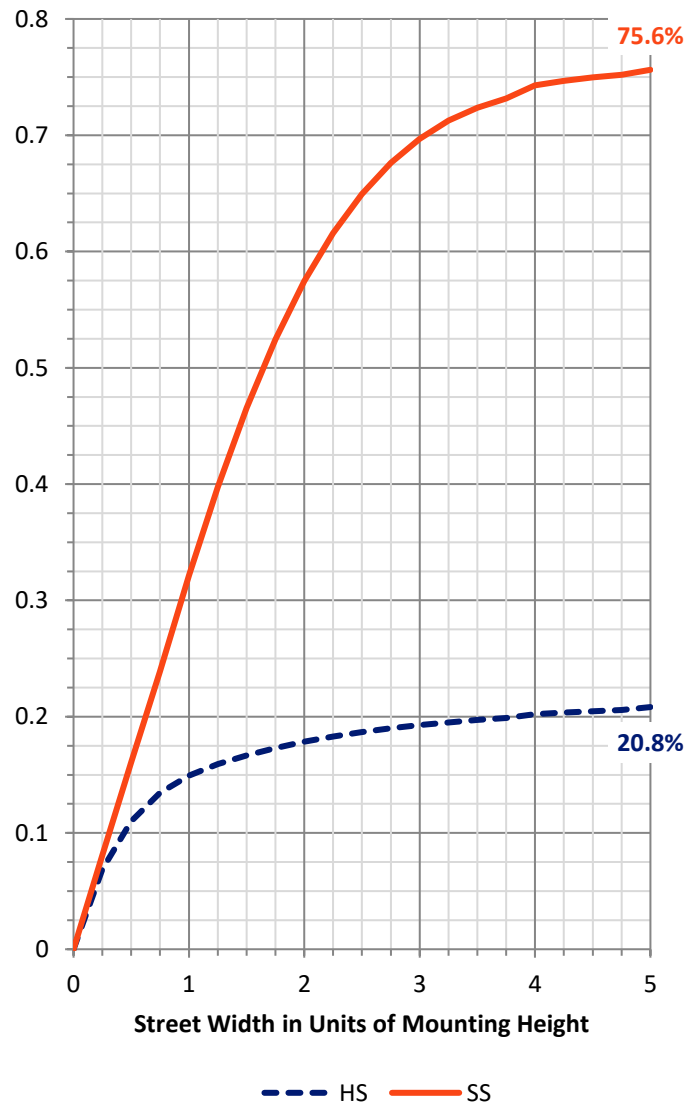
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	625.1	26.8	652.0
	% Fixture	22.1	0.9	23.0
Street Side	Lumens	2160.0	22.5	2182.5
	% Fixture	76.2	0.8	77.0
Total	Lumens	2785.2	49.3	2834.5
	% Fixture	98.3	1.7	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.6	0.1
10°-20°	25.5	0.9
20°-30°	96.7	3.4
30°-40°	205.6	7.3
40°-50°	337.9	11.9
50°-60°	545.1	19.2
60°-70°	787.5	27.8
70°-80°	646.5	22.8
80°-90°	138.7	4.9
90°-100°	44.6	1.6
100°-110°	3.5	0.1
110°-120°	0.5	0.0
120°-130°	0.3	0.0
130°-140°	0.1	0.0
140°-150°	0.1	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2785.2	98.3
0°-180°	2834.5	100.0



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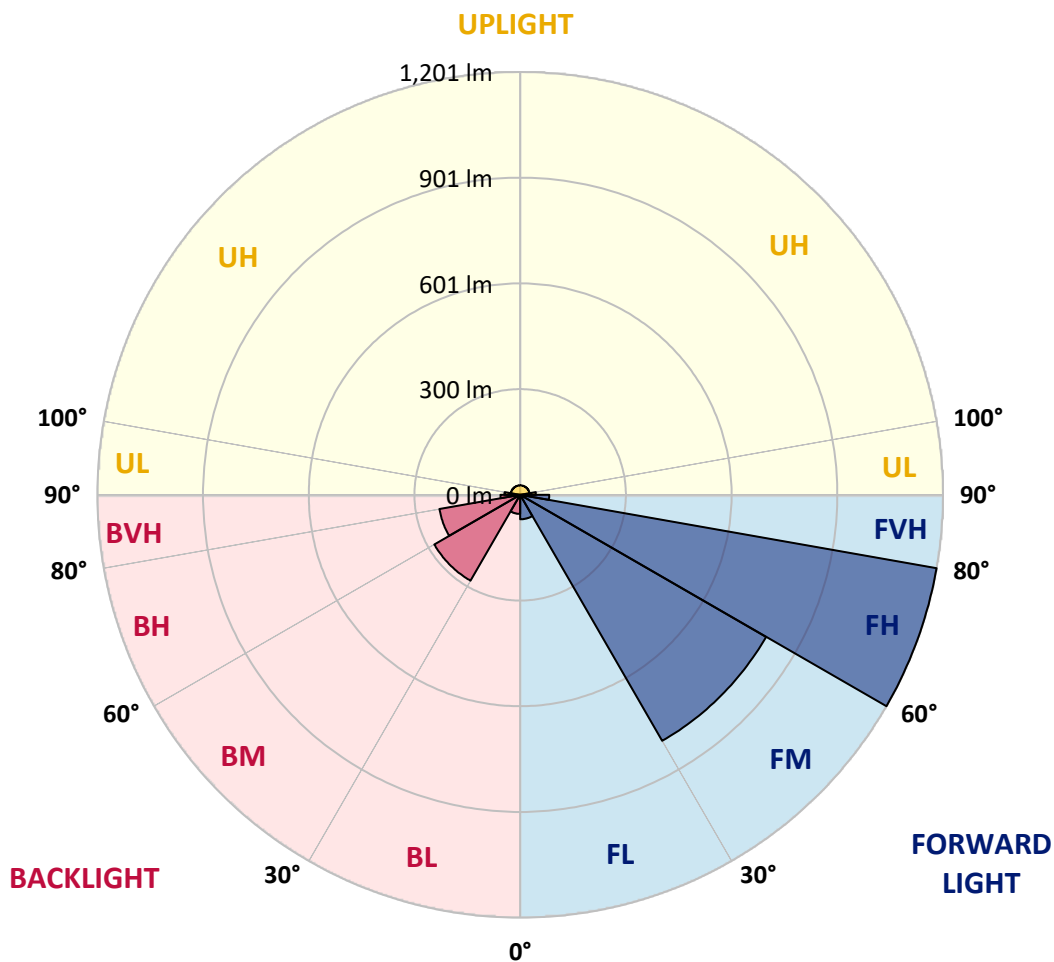
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	69.5	2.5			
FM	(30°-60°)	806.9	28.5			
FH	(60°-80°)	1201.2	42.4			G1/1800
FVH	(80°-90°)	82.5	2.9			G1/100
BL	(0°-30°)	54.4	1.9	B0/110		
BM	(30°-60°)	281.7	9.9	B1/1000		
BH	(60°-80°)	232.9	8.2	B1/500		G1/500
BVH	(80°-90°)	56.1	2.0			G1/100
UL	(90°-100°)	44.6	1.6		U2/50	
UH	(100°-180°)	26.8	0.9		U2/50	

BUG Rating: B1-U2-G1

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
0°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
2.5°	2.3	2.1	1.6	1.3	1.3	1.0	1.0	1.0	1.3	1.3	1.3
5°	37.6	37.3	34.0	32.2	13.1	8.1	7.0	4.4	1.6	1.3	1.3
7.5°	44.7	44.0	43.1	45.0	42.0	36.7	33.6	19.6	5.4	1.6	1.3
10°	59.2	58.5	53.4	52.1	47.4	43.4	41.1	38.4	16.2	3.4	2.3
12.5°	112.0	108.3	105.3	89.1	60.2	48.8	48.5	45.5	38.0	34.3	41.7
15°	126.5	123.1	118.0	117.0	107.0	64.6	59.2	81.7	96.8	72.7	74.3
17.5°	143.3	144.9	138.2	124.1	115.4	123.4	136.0	120.2	106.3	88.5	89.8
20°	201.8	200.5	195.1	178.9	146.3	159.1	154.8	152.1	124.1	163.5	158.8
22.5°	209.6	209.2	206.5	196.8	210.3	169.5	168.3	187.3	184.7	188.0	181.3
25°	274.8	277.5	268.9	210.9	221.3	216.6	208.9	227.7	206.5	208.2	232.1
27.5°	287.9	286.6	281.9	270.1	234.2	256.6	254.7	241.6	268.1	282.5	284.3
30°	362.2	352.9	304.7	293.7	282.5	268.9	272.5	287.5	299.3	295.4	311.8
32.5°	398.3	396.0	388.2	344.5	305.9	297.7	317.2	322.6	315.8	374.1	402.7
35°	518.4	507.6	445.6	381.8	340.7	336.3	338.4	338.1	384.1	394.5	433.9
37.5°	668.8	654.7	605.8	468.2	372.1	352.2	369.1	386.2	402.0	432.3	462.5
40°	756.9	749.5	710.5	579.0	433.9	383.1	399.7	408.1	428.9	453.9	504.6
42.5°	824.6	823.8	799.3	657.0	518.4	432.3	435.3	436.2	451.8	492.1	552.4
45°	870.5	869.9	874.3	730.3	599.1	488.0	488.5	476.3	487.4	539.9	618.7
47.5°	927.8	917.7	927.8	808.0	669.1	554.3	548.3	520.1	543.3	606.1	710.7
50°	985.0	975.6	979.6	868.9	738.3	635.1	624.3	586.8	618.7	689.5	824.9
52.5°	1059.7	1047.6	1029.4	933.2	832.3	719.3	704.1	673.5	703.1	794.6	968.8
55°	1114.4	1105.8	1099.6	1024.3	898.6	793.9	783.5	748.8	828.9	912.0	1122.5
57.5°	1157.2	1160.6	1179.0	1136.0	1023.0	875.9	859.1	844.6	947.6	1050.8	1287.5
60°	1202.3	1196.0	1241.3	1240.0	1128.4	958.4	961.7	959.7	1068.8	1183.4	1478.8
62.5°	1199.5	1204.6	1286.5	1313.6	1218.8	1068.4	1081.5	1077.8	1192.9	1315.3	1620.8
65°	1090.9	1105.8	1283.7	1345.9	1330.7	1198.6	1220.4	1217.5	1336.5	1427.6	1710.6
67.5°	1019.7	1038.5	1206.3	1372.3	1437.1	1365.5	1382.9	1371.8	1439.2	1490.3	1710.9
70°	944.9	958.0	1107.4	1382.6	1551.8	1583.2	1594.2	1525.6	1524.6	1526.0	1570.6
72.5°	768.9	770.7	905.9	1222.5	1601.6	1818.9	1863.7	1713.0	1569.0	1458.9	1261.8
74°	558.0	553.7	691.6	1000.2	1506.1	1870.5	1927.9	1760.7	1539.3	1337.8	1000.2
75°	402.7	414.1	516.3	809.1	1359.0	1856.3	1915.1	1750.9	1478.2	1215.0	813.4
77.5°	128.2	132.5	168.3	340.7	832.3	1521.2	1625.6	1471.5	1125.5	767.6	420.4
80°	68.6	71.7	89.8	133.8	349.3	883.0	984.4	854.7	625.0	385.8	230.1
82.5°	41.1	43.1	58.8	80.8	181.0	366.7	433.9	355.5	304.4	222.1	160.7
85°	26.6	27.3	34.3	49.8	117.4	144.3	169.2	174.2	173.6	155.8	129.1
87.5°	14.8	15.1	16.2	21.2	53.8	75.6	69.0	84.4	100.9	100.3	114.4
90°	10.4	10.4	8.8	9.4	29.6	76.0	69.3	74.3	67.0	78.7	118.0
92.5°	9.7	10.2	8.1	8.4	23.5	74.6	83.5	83.2	68.6	82.5	118.8
95°	8.1	8.8	6.4	7.0	14.8	63.9	82.7	82.5	60.5	65.2	84.4
97.5°	6.4	6.7	4.4	5.4	8.8	32.6	49.8	47.4	32.0	27.6	33.0
100°	4.0	4.4	2.3	3.8	5.4	10.8	17.8	18.9	14.8	6.7	4.0
102.5°	4.0	4.4	1.6	2.3	2.3	3.1	4.0	3.4	4.8	2.3	3.4
105°	4.0	4.4	1.3	1.0	0.7	1.0	0.7	1.0	1.6	2.1	4.0
107.5°	3.1	3.4	0.7	0.7	0.3	0.7	0.7	0.7	1.0	1.6	3.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
110°	2.1	2.1	0.3	0.3	0.0	0.7	0.7	0.7	1.0	1.3	2.1
112.5°	0.3	0.3	0.0	0.0	0.0	0.3	0.3	0.3	1.0	1.0	1.3
115°	0.3	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.7	1.0	1.6
117.5°	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.7	1.0	1.6
120°	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.0	1.6
122.5°	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.0	1.6
125°	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.0	1.6
127.5°	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.0	1.3
130°	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.0	1.3
132.5°	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	1.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	0.7
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	0.7
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	0.7
142.5°	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.7	0.7
145°	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.3	0.7	0.7	1.0
147.5°	0.7	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.7	1.0	1.0
150°	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	1.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	0.7
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3
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°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
2.5°	1.0	1.0	0.7	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
5°	1.0	1.0	0.7	0.7	0.3	0.3	0.7	1.0	1.6	2.3	2.3
7.5°	1.3	1.0	1.0	1.0	1.0	4.8	17.2	30.0	37.6	40.3	39.6
10°	2.3	2.1	2.1	2.1	10.2	33.0	44.0	45.0	48.5	49.0	48.8
12.5°	50.5	43.1	26.9	12.8	35.4	46.2	48.1	51.5	53.8	70.6	74.0
15°	74.6	73.8	71.7	75.6	82.0	52.8	64.9	86.7	98.3	102.5	103.9
17.5°	89.6	88.2	82.5	95.5	101.2	100.3	96.8	103.9	105.6	109.7	109.4
20°	162.5	159.1	141.9	112.6	106.0	133.2	109.4	109.7	136.3	152.1	150.7
22.5°	179.3	177.7	168.3	165.5	142.7	140.9	146.3	150.0	161.9	167.5	166.8
25°	232.8	230.8	187.0	171.5	173.9	149.4	174.6	163.1	168.3	183.3	181.3
27.5°	288.6	284.0	249.5	209.2	174.2	185.7	176.0	192.4	209.6	218.6	219.6
30°	315.6	307.1	267.1	220.1	191.1	183.7	185.1	209.9	213.0	220.7	222.4
32.5°	416.9	409.7	340.5	226.1	191.3	175.6	194.5	205.3	237.5	254.3	255.7
35°	445.4	439.4	343.4	253.6	184.7	181.9	184.1	213.5	230.1	242.3	244.2
37.5°	476.3	466.0	349.3	238.2	190.1	169.5	178.0	194.2	222.7	243.5	248.9
40°	520.1	501.3	345.8	222.1	176.5	165.5	164.7	184.1	196.5	206.5	208.2
42.5°	576.0	543.7	347.9	206.9	164.5	154.1	156.8	165.5	169.9	170.6	170.6
45°	644.5	596.5	356.5	194.5	154.4	148.7	149.7	152.1	152.7	144.6	143.6
47.5°	737.1	664.3	364.1	184.7	147.1	144.9	141.9	143.3	140.7	129.8	128.5
50°	846.7	745.5	370.5	173.3	140.2	140.0	139.2	134.2	129.5	119.5	118.0
52.5°	964.2	841.4	373.8	160.7	134.8	136.0	136.6	128.2	121.5	113.6	113.0
55°	1117.5	953.0	381.8	149.4	128.5	130.6	134.2	125.9	119.5	114.4	117.4
57.5°	1268.9	1076.8	375.1	139.0	123.7	125.5	131.2	127.7	124.9	124.9	125.5
60°	1415.5	1184.1	333.5	130.6	119.5	121.5	133.6	139.5	139.2	145.6	147.3
62.5°	1514.2	1240.0	271.7	123.1	115.7	123.4	144.6	158.8	156.5	159.1	160.4
65°	1554.2	1236.5	207.1	117.8	113.4	132.2	157.5	171.2	162.5	156.5	155.0
67.5°	1511.8	1162.2	168.3	113.4	113.4	140.2	168.3	171.8	162.5	162.9	160.4
70°	1339.9	989.0	144.6	109.1	115.1	139.0	173.6	170.9	162.9	168.5	165.2
72.5°	1005.6	704.8	129.8	106.0	114.4	133.6	170.6	170.6	163.9	174.9	171.5
74°	762.7	510.6	123.4	104.9	111.0	130.9	169.5	168.9	161.2	170.9	167.5
75°	600.7	390.3	119.5	103.7	109.1	129.1	167.9	167.2	159.8	170.1	167.5
77.5°	307.1	203.8	110.0	101.2	103.9	126.8	163.5	163.9	154.4	164.2	162.1
80°	195.8	154.4	97.8	93.6	100.3	127.2	160.7	159.1	148.4	159.1	154.4
82.5°	156.0	127.5	79.4	81.0	95.5	125.1	159.1	151.4	140.7	156.8	140.7
85°	125.1	107.3	54.8	59.8	84.8	115.1	151.8	135.6	124.4	126.8	124.9
87.5°	105.6	86.7	26.0	39.0	66.3	88.2	112.6	104.9	96.6	100.6	96.2
90°	107.0	83.5	18.5	30.0	59.8	73.3	89.8	78.7	74.0	75.4	72.7
92.5°	103.9	79.7	18.9	25.0	58.5	80.4	95.0	80.4	71.0	68.4	65.9
95°	70.2	55.2	17.4	19.6	37.3	63.2	76.6	60.8	49.4	43.7	42.0
97.5°	26.9	24.3	15.1	16.2	19.6	33.6	44.3	39.0	26.6	19.1	18.1
100°	4.0	6.7	12.4	15.1	11.5	12.8	18.5	20.9	13.5	1.3	1.0
102.5°	4.4	3.8	5.0	11.5	6.7	2.6	5.7	11.5	7.4	0.7	0.7
105°	5.0	4.0	2.1	5.0	1.6	0.3	0.3	2.3	1.6	0.3	0.7
107.5°	4.4	3.8	1.3	1.0	0.3	0.3	0.0	0.0	0.0	0.3	0.7



REPORT NUMBER: P266049

CATALOG NUMBER: LXF.LXT-AF24-30-D-U-T4W-CL-7027

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	2.3	2.3	1.3	0.7	0.3	0.3	0.0	0.0	0.0	0.7	0.7
112.5°	1.6	1.6	1.0	0.7	0.3	0.0	0.0	0.0	0.0	0.7	1.0
115°	2.1	1.6	1.0	0.3	0.0	0.0	0.0	0.0	0.0	1.0	1.0
117.5°	2.1	2.1	1.0	0.3	0.0	0.0	0.0	0.0	0.0	1.0	1.3
120°	2.1	2.1	1.0	0.3	0.0	0.0	0.0	0.0	0.0	1.0	1.0
122.5°	2.1	1.6	1.0	0.3	0.0	0.0	0.0	0.0	0.0	0.7	1.0
125°	1.6	1.6	1.0	0.3	0.0	0.0	0.0	0.0	0.0	0.7	0.7
127.5°	1.6	1.6	1.0	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.7
130°	1.3	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
132.5°	1.0	1.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	1.0	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.7	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.7	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.7	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.7	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	1.0	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.0	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.7	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.3	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

(END OF REPORT)