

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: P254634

Luminaire Tested: **LXF.LXT-AF24-20-D-U-T4W-CL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254634
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-AF24-20-D-U-T4W-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 260mA 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: 2378.4 lumens
Efficiency: N/A
Efficacy: 113.3 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

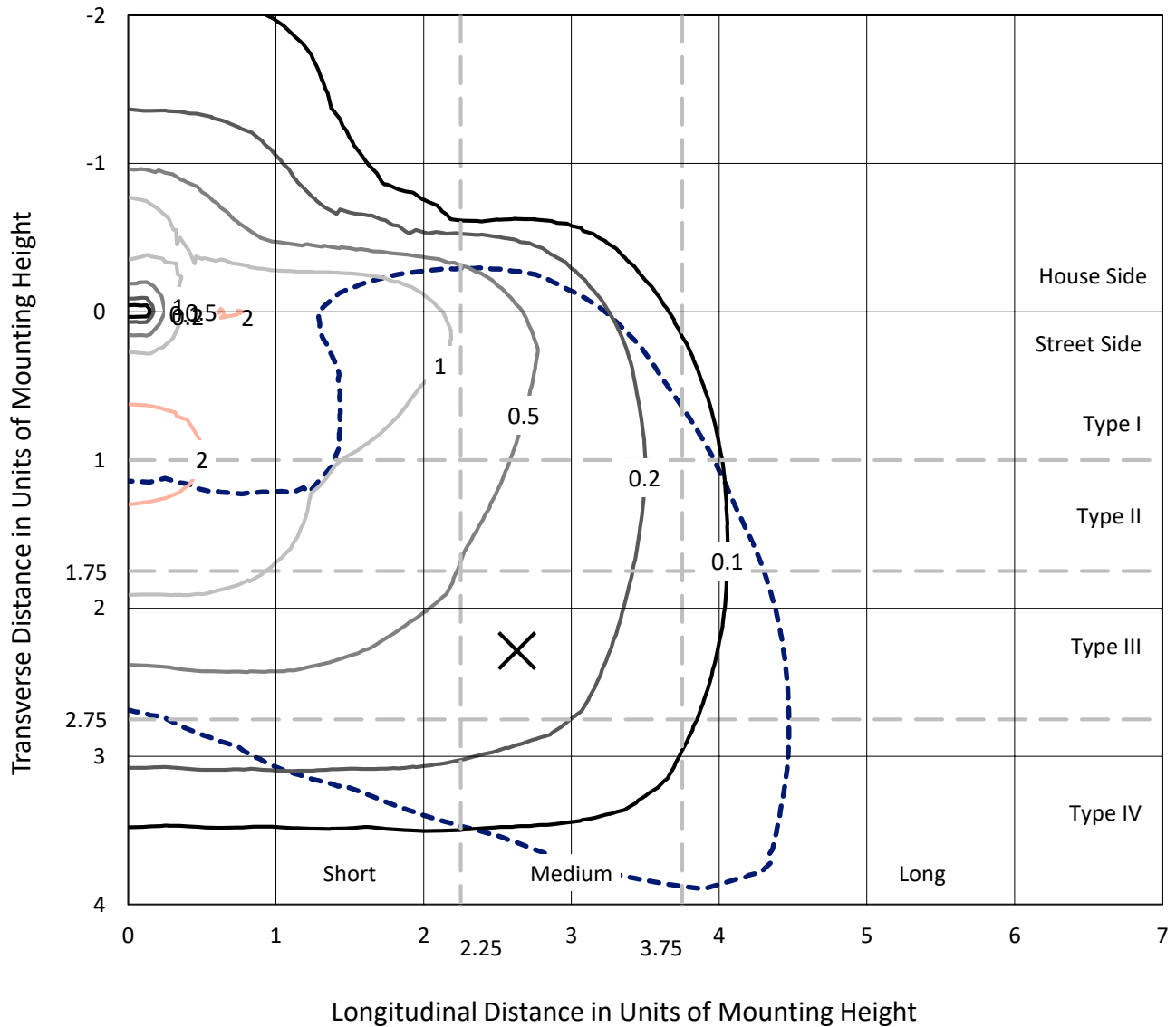
Input Watts (W): 21
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

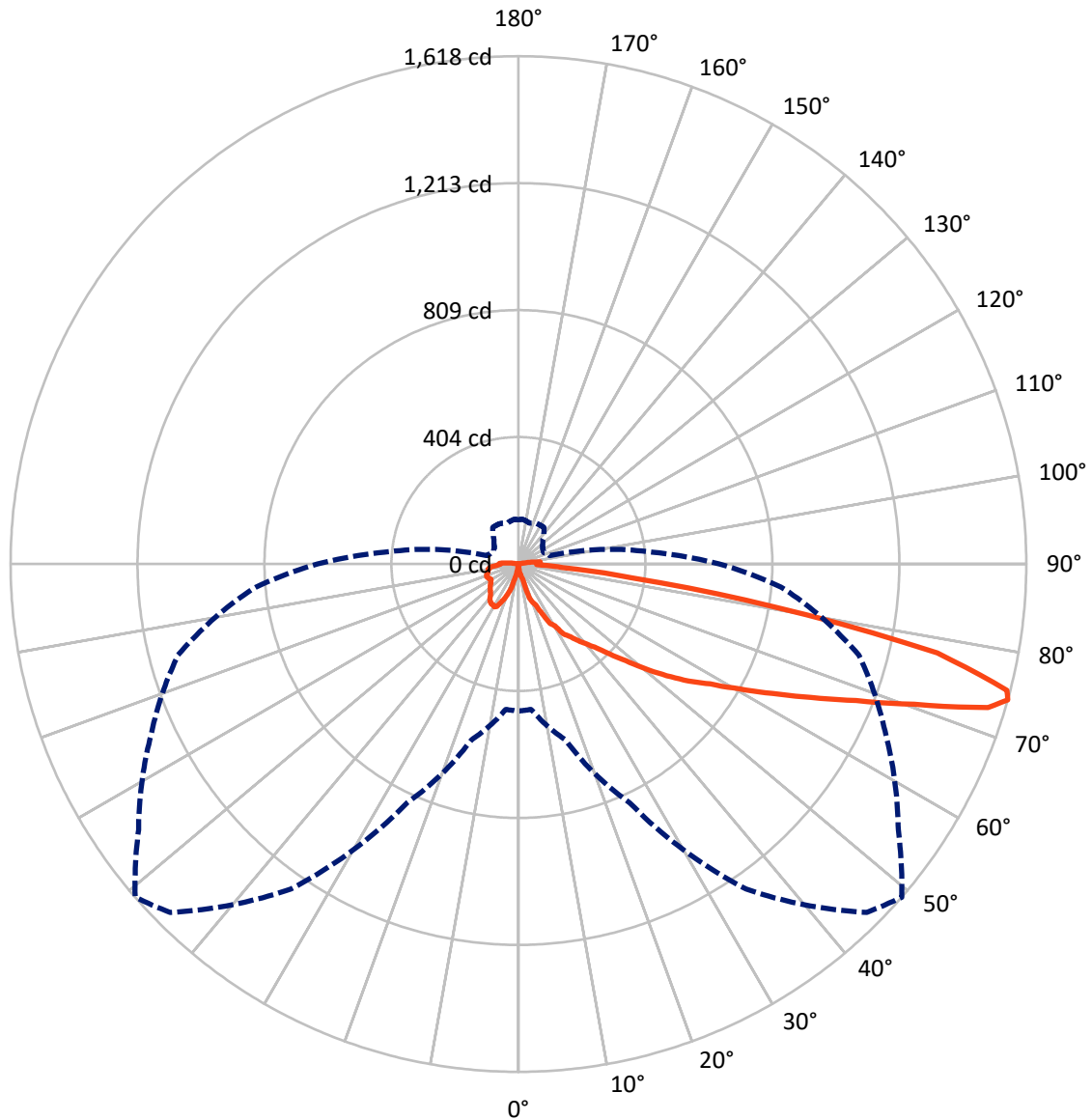


Based on 10 foot mounting height. Maximum calculated value = 2.8 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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



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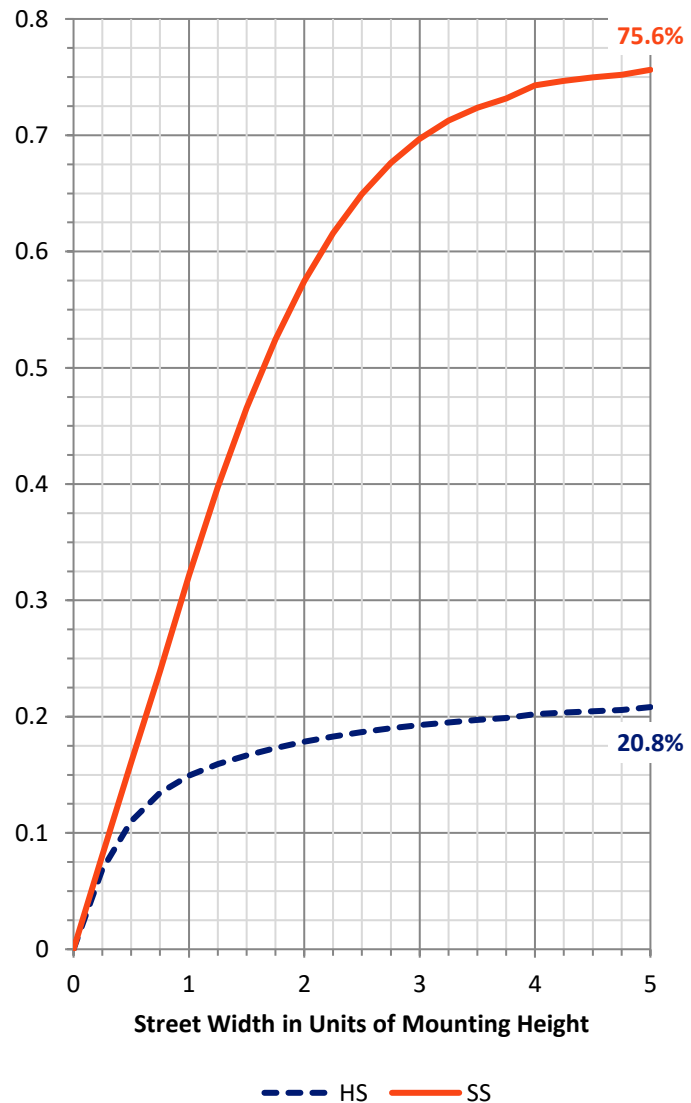
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	524.5	22.5	547.1
	% Fixture	22.1	0.9	23.0
Street Side	Lumens	1812.4	18.9	1831.3
	% Fixture	76.2	0.8	77.0
Total	Lumens	2337.0	41.4	2378.4
	% Fixture	98.3	1.7	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.3	0.1
10°-20°	21.4	0.9
20°-30°	81.2	3.4
30°-40°	172.5	7.3
40°-50°	283.6	11.9
50°-60°	457.3	19.2
60°-70°	660.8	27.8
70°-80°	542.5	22.8
80°-90°	116.4	4.9
90°-100°	37.5	1.6
100°-110°	3.0	0.1
110°-120°	0.4	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°	2337.0	98.3
0°-180°	2378.4	100.0



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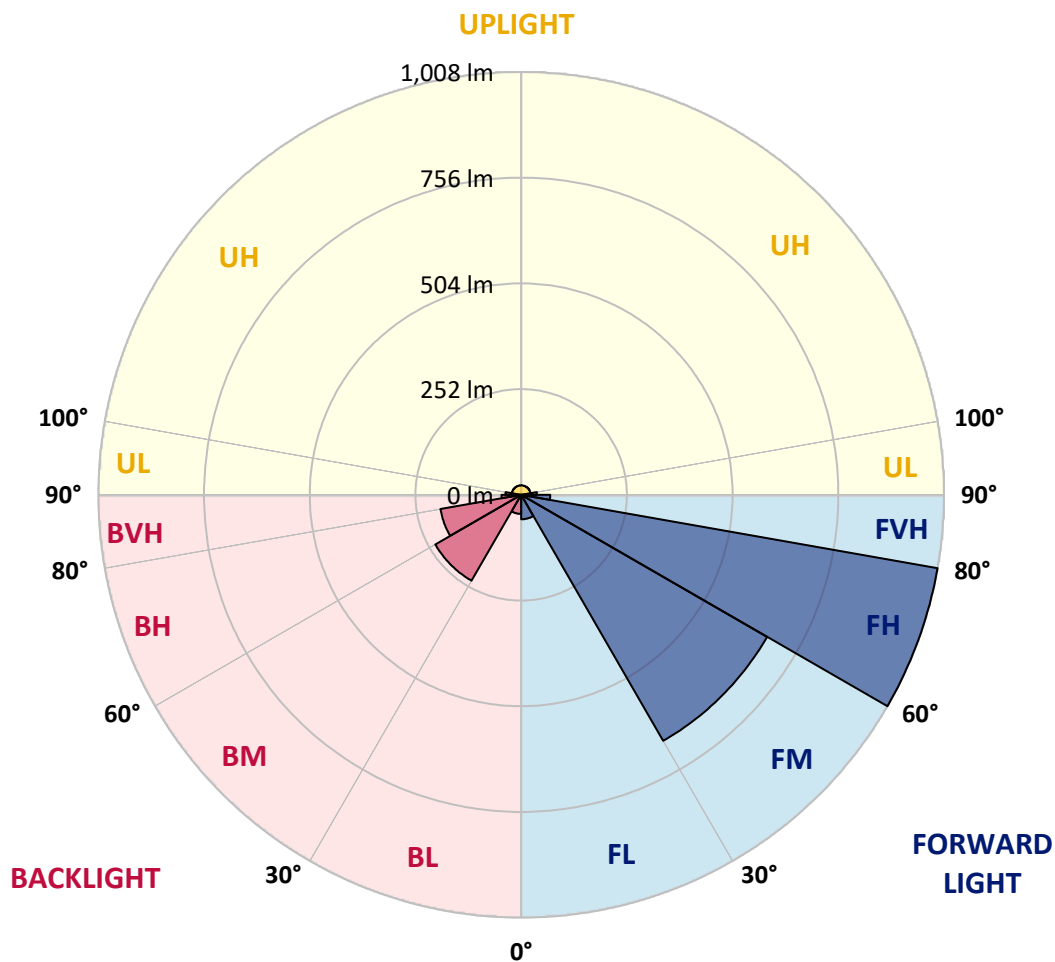
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	58.3	2.5			
FM	(30°-60°)	677.0	28.5			
FH	(60°-80°)	1007.9	42.4			G1/1800
FVH	(80°-90°)	69.3	2.9			G1/100
BL	(0°-30°)	45.6	1.9	B0/110		
BM	(30°-60°)	236.4	9.9	B1/1000		
BH	(60°-80°)	195.5	8.2	B1/500		G1/500
BVH	(80°-90°)	47.1	2.0			G1/100
UL	(90°-100°)	37.5	1.6		U2/50	
UH	(100°-180°)	22.5	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°	1.9	1.7	1.4	1.1	1.1	0.8	0.8	0.8	1.1	1.1	1.1
5°	31.6	31.3	28.5	27.1	11.0	6.8	5.9	3.7	1.4	1.1	1.1
7.5°	37.5	36.9	36.1	37.8	35.3	30.8	28.2	16.4	4.5	1.4	1.1
10°	49.7	49.1	44.9	43.8	39.8	36.4	34.5	32.2	13.5	2.9	1.9
12.5°	94.0	90.8	88.4	74.8	50.5	40.9	40.6	38.2	31.9	28.7	35.0
15°	106.1	103.3	99.1	98.2	89.7	54.2	49.7	68.6	81.3	61.0	62.4
17.5°	120.2	121.6	116.0	104.1	96.8	103.6	114.1	100.8	89.2	74.3	75.4
20°	169.4	168.3	163.7	150.2	122.8	133.5	129.8	127.6	104.1	137.2	133.2
22.5°	175.8	175.5	173.3	165.1	176.5	142.3	141.2	157.2	155.0	157.7	152.1
25°	230.6	232.8	225.6	177.0	185.8	181.8	175.3	191.1	173.3	174.7	194.8
27.5°	241.6	240.5	236.5	226.7	196.4	215.3	213.7	202.6	224.9	237.1	238.6
30°	304.0	296.1	255.7	246.4	237.1	225.6	228.6	241.3	251.2	247.9	261.7
32.5°	334.2	332.3	325.7	289.1	256.6	249.8	266.2	270.7	265.0	313.8	337.9
35°	435.0	426.0	374.0	320.4	285.9	282.2	284.0	283.7	322.3	331.1	364.2
37.5°	561.1	549.3	508.4	392.9	312.2	295.5	309.6	324.1	337.3	362.7	388.1
40°	635.0	628.9	596.2	485.8	364.2	321.5	335.3	342.4	359.9	380.7	423.4
42.5°	691.8	691.3	670.6	551.3	435.0	362.7	365.3	366.1	379.1	413.0	463.5
45°	730.5	730.0	733.6	612.7	502.7	409.6	409.9	399.7	409.0	453.1	519.0
47.5°	778.5	770.0	778.5	678.0	561.4	465.1	460.1	436.4	455.8	508.6	596.4
50°	826.4	818.6	821.9	729.1	619.6	533.0	523.9	492.2	519.0	578.7	692.1
52.5°	889.1	878.9	863.7	783.0	698.4	603.4	590.8	565.1	589.9	666.7	812.9
55°	935.2	927.8	922.7	859.5	753.9	666.1	657.3	628.3	695.5	765.2	941.9
57.5°	971.0	973.8	989.3	953.2	858.4	735.0	720.9	708.8	795.1	881.8	1080.2
60°	1008.8	1003.4	1041.6	1040.4	946.7	804.1	807.0	805.3	896.7	993.0	1240.8
62.5°	1006.6	1010.8	1079.4	1102.2	1022.6	896.5	907.5	904.4	1000.9	1103.7	1359.9
65°	915.3	927.8	1077.2	1129.3	1116.7	1005.7	1024.1	1021.5	1121.5	1197.9	1435.3
67.5°	855.5	871.3	1012.2	1151.3	1205.9	1145.7	1160.4	1151.0	1207.5	1250.5	1435.6
70°	792.9	803.9	929.2	1160.1	1302.1	1328.3	1337.6	1280.0	1279.2	1280.3	1317.9
72.5°	645.3	646.7	760.2	1025.7	1343.9	1526.2	1563.8	1437.2	1316.4	1224.2	1058.8
74°	468.3	464.6	580.3	839.1	1263.7	1569.4	1617.7	1477.3	1291.7	1122.6	839.1
75°	337.9	347.5	433.3	678.8	1140.4	1557.5	1607.0	1469.2	1240.2	1019.6	682.5
77.5°	107.5	111.2	141.2	285.9	698.4	1276.4	1363.9	1234.6	944.5	644.2	352.8
80°	57.6	60.1	75.4	112.3	293.0	740.9	825.9	717.2	524.5	323.8	193.0
82.5°	34.5	36.1	49.4	67.7	151.9	307.7	364.2	298.4	255.4	186.3	134.9
85°	22.3	22.9	28.7	41.7	98.5	121.1	142.0	146.2	145.7	130.7	108.4
87.5°	12.4	12.7	13.5	17.8	45.1	63.5	57.9	70.9	84.7	84.1	96.0
90°	8.8	8.8	7.4	7.9	24.9	63.8	58.1	62.4	56.2	66.1	99.1
92.5°	8.2	8.5	6.8	7.1	19.7	62.7	70.0	69.8	57.6	69.2	99.6
95°	6.8	7.4	5.3	5.9	12.4	53.6	69.5	69.2	50.8	54.7	70.9
97.5°	5.3	5.6	3.7	4.5	7.4	27.4	41.7	39.8	26.8	23.1	27.6
100°	3.4	3.7	1.9	3.1	4.5	9.0	14.9	15.9	12.4	5.6	3.4
102.5°	3.4	3.7	1.4	1.9	1.9	2.6	3.4	2.9	4.0	1.9	2.9
105°	3.4	3.7	1.1	0.8	0.6	0.8	0.6	0.8	1.4	1.7	3.4
107.5°	2.6	2.9	0.6	0.6	0.3	0.6	0.6	0.6	0.8	1.4	3.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
110°	1.7	1.7	0.3	0.3	0.0	0.6	0.6	0.6	0.8	1.1	1.7
112.5°	0.3	0.3	0.0	0.0	0.0	0.3	0.3	0.3	0.8	0.8	1.1
115°	0.3	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.6	0.8	1.4
117.5°	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.6	0.8	1.4
120°	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.8	1.4
122.5°	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.8	1.4
125°	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.8	1.4
127.5°	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.8	1.1
130°	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.8	1.1
132.5°	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.6	0.8
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.6	0.6
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.6	0.6
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.6	0.6
142.5°	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.6	0.6
145°	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.3	0.6	0.6	0.8
147.5°	0.6	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.6	0.8	0.8
150°	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.6	0.8
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.6	0.6
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.6
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°	0.8	0.8	0.6	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
5°	0.8	0.8	0.6	0.6	0.3	0.3	0.6	0.8	1.4	1.9	1.9
7.5°	1.1	0.8	0.8	0.8	0.8	4.0	14.4	25.2	31.6	33.9	33.3
10°	1.9	1.7	1.7	1.7	8.5	27.6	36.9	37.8	40.6	41.2	40.9
12.5°	42.4	36.1	22.6	10.7	29.7	38.7	40.4	43.2	45.1	59.2	62.1
15°	62.7	61.8	60.1	63.5	68.8	44.3	54.5	72.8	82.4	86.1	87.3
17.5°	75.1	74.0	69.2	80.2	85.0	84.1	81.3	87.3	88.6	92.1	91.8
20°	136.4	133.5	119.1	94.5	88.9	111.8	91.8	92.1	114.4	127.6	126.4
22.5°	150.5	149.0	141.2	138.9	119.7	118.3	122.8	125.9	135.7	140.6	140.0
25°	195.3	193.6	156.9	143.9	146.0	125.3	146.5	136.9	141.2	153.9	152.1
27.5°	242.1	238.2	209.4	175.5	146.2	155.8	147.6	161.4	175.8	183.5	184.3
30°	264.7	257.7	224.1	184.6	160.3	154.2	155.3	176.2	178.7	185.2	186.6
32.5°	349.7	343.8	285.6	189.7	160.6	147.3	163.2	172.2	199.3	213.4	214.5
35°	373.7	368.7	288.2	212.9	155.0	152.7	154.4	179.2	193.0	203.3	204.9
37.5°	399.7	391.0	293.0	199.9	159.5	142.3	149.4	162.9	186.9	204.4	208.9
40°	436.4	420.5	290.2	186.3	148.2	138.9	138.3	154.4	164.8	173.3	174.7
42.5°	483.2	456.1	291.8	173.6	138.0	129.3	131.6	138.9	142.5	143.1	143.1
45°	540.8	500.4	299.2	163.2	129.6	124.8	125.6	127.6	128.2	121.4	120.5
47.5°	618.5	557.5	305.5	155.0	123.4	121.6	119.1	120.2	117.9	108.9	107.8
50°	710.4	625.5	310.8	145.4	117.7	117.4	116.8	112.6	108.6	100.2	99.1
52.5°	808.9	705.9	313.6	134.9	113.1	114.1	114.6	107.5	101.9	95.4	94.8
55°	937.6	799.6	320.4	125.3	107.8	109.6	112.6	105.6	100.2	96.0	98.5
57.5°	1064.7	903.6	314.8	116.6	103.8	105.3	110.1	107.3	104.8	104.8	105.3
60°	1187.7	993.6	279.7	109.6	100.2	101.9	112.0	117.1	116.8	122.2	123.7
62.5°	1270.5	1040.4	228.1	103.3	97.1	103.6	121.4	133.2	131.2	133.5	134.6
65°	1304.1	1037.6	173.9	98.8	95.1	110.9	132.1	143.6	136.4	131.2	130.1
67.5°	1268.5	975.2	141.2	95.1	95.1	117.7	141.2	144.2	136.4	136.7	134.6
70°	1124.2	829.8	121.4	91.5	96.6	116.6	145.7	143.4	136.7	141.4	138.6
72.5°	843.7	591.4	108.9	88.9	96.0	112.0	143.1	143.1	137.5	146.8	143.9
74°	639.9	428.5	103.6	88.1	93.2	109.8	142.3	141.7	135.2	143.4	140.6
75°	504.1	327.4	100.2	87.0	91.5	108.4	140.9	140.2	134.1	142.8	140.6
77.5°	257.7	171.0	92.3	85.0	87.3	106.4	137.2	137.5	129.6	137.8	136.1
80°	164.3	129.6	82.1	78.5	84.1	106.7	134.9	133.5	124.5	133.5	129.6
82.5°	130.9	107.0	66.6	68.0	80.2	105.0	133.5	127.1	117.9	131.6	117.9
85°	105.0	90.0	46.0	50.2	71.1	96.6	127.3	113.8	104.4	106.4	104.8
87.5°	88.6	72.8	21.7	32.7	55.6	74.0	94.5	88.1	81.0	84.4	80.7
90°	89.7	70.0	15.5	25.2	50.2	61.6	75.4	66.1	62.1	63.2	61.0
92.5°	87.3	66.9	15.9	20.9	49.1	67.4	79.6	67.4	59.5	57.3	55.3
95°	59.0	46.3	14.6	16.4	31.3	53.1	64.3	51.0	41.5	36.7	35.3
97.5°	22.6	20.4	12.7	13.5	16.4	28.2	37.2	32.7	22.3	16.1	15.2
100°	3.4	5.6	10.4	12.7	9.6	10.7	15.5	17.5	11.3	1.1	0.8
102.5°	3.7	3.1	4.2	9.6	5.6	2.3	4.8	9.6	6.2	0.6	0.6
105°	4.2	3.4	1.7	4.2	1.4	0.3	0.3	1.9	1.4	0.3	0.6
107.5°	3.7	3.1	1.1	0.8	0.3	0.3	0.0	0.0	0.0	0.3	0.6



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CATALOG NUMBER: LXF.LXT-AF24-20-D-U-T4W-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	1.9	1.9	1.1	0.6	0.3	0.3	0.0	0.0	0.0	0.6	0.6
112.5°	1.4	1.4	0.8	0.6	0.3	0.0	0.0	0.0	0.0	0.6	0.8
115°	1.7	1.4	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.8	0.8
117.5°	1.7	1.7	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.8	1.1
120°	1.7	1.7	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.8	0.8
122.5°	1.7	1.4	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.6	0.8
125°	1.4	1.4	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.6	0.6
127.5°	1.4	1.4	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.6
130°	1.1	1.1	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
132.5°	0.8	0.8	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.8	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.6	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.6	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.6	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.6	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.8	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.8	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.6	0.6	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)