

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: P266039

Luminaire Tested: **LXF.LXT-AF24-30-D-U-T2U-TL-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P266039
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-7027
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 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: 2828.6 lumens
Efficiency: N/A
Efficacy: 91.2 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 - 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

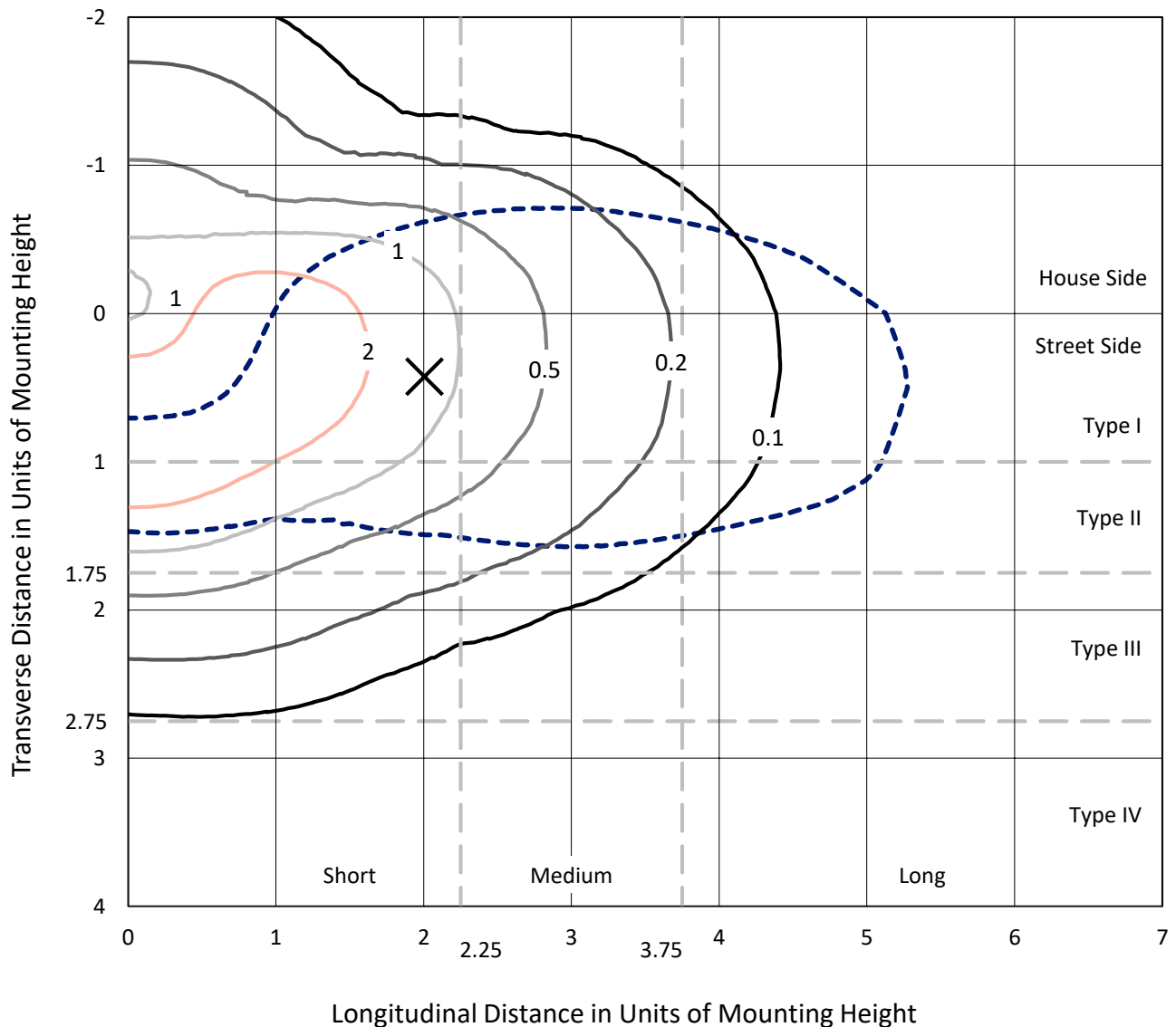


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

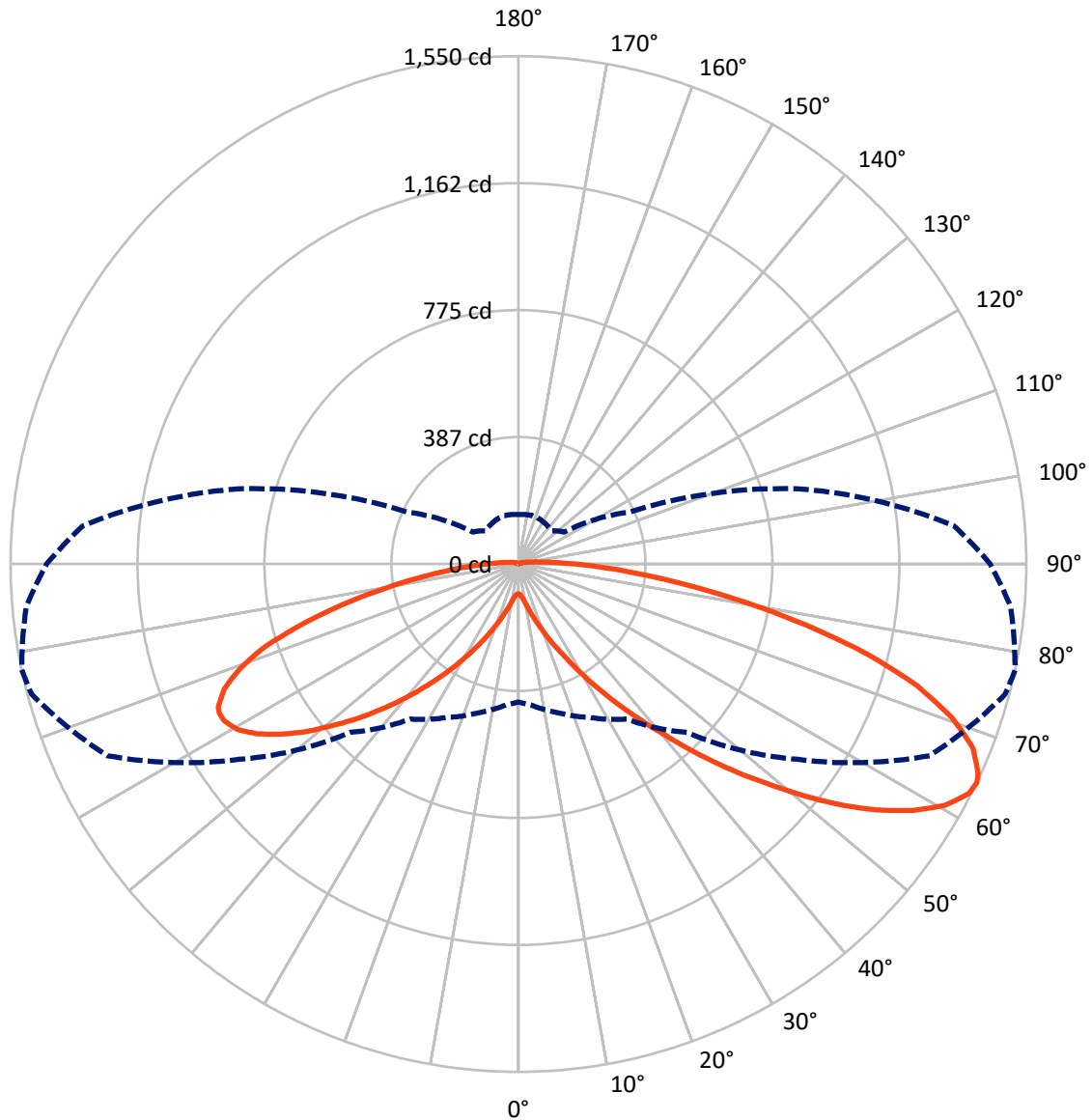


Based on 10 foot mounting height. Maximum calculated value = 4.3 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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



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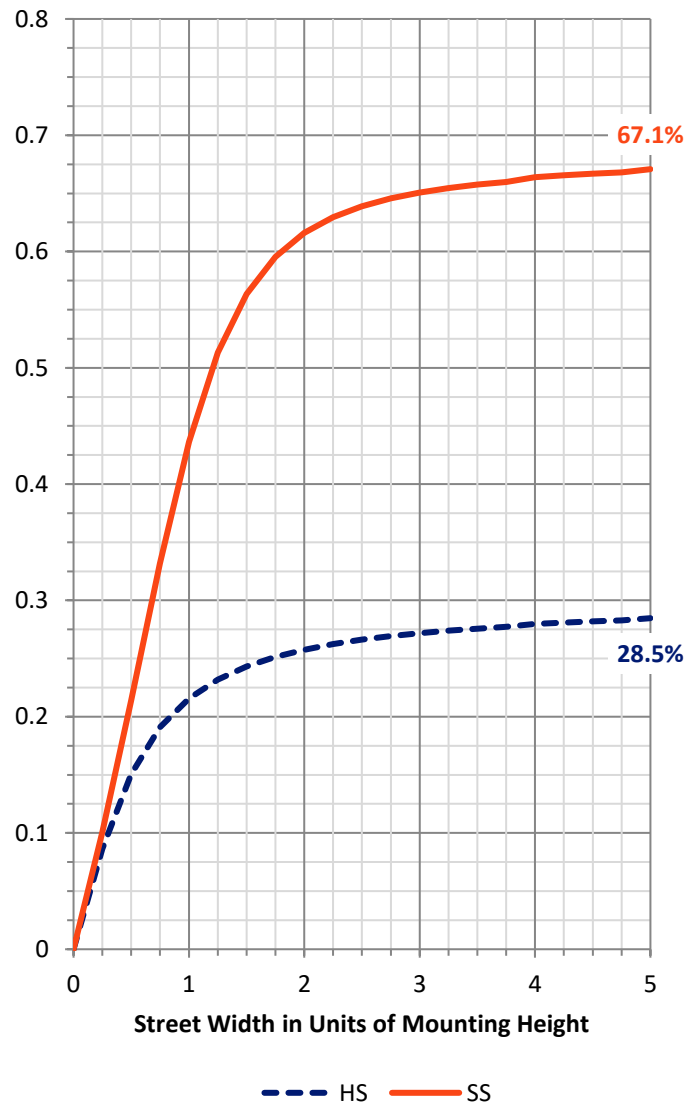
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	830.5	38.2	868.8
	% Fixture	29.4	1.4	30.7
Street Side	Lumens	1923.6	36.2	1959.8
	% Fixture	68.0	1.3	69.3
Total	Lumens	2754.1	74.5	2828.6
	% Fixture	97.4	2.6	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.9	0.4
10°-20°	45.8	1.6
20°-30°	127.8	4.5
30°-40°	277.7	9.8
40°-50°	479.7	17.0
50°-60°	635.1	22.5
60°-70°	619.5	21.9
70°-80°	402.7	14.2
80°-90°	155.8	5.5
90°-100°	45.0	1.6
100°-110°	17.1	0.6
110°-120°	7.4	0.3
120°-130°	3.3	0.1
130°-140°	1.3	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°	2754.1	97.4
0°-180°	2828.6	100.0



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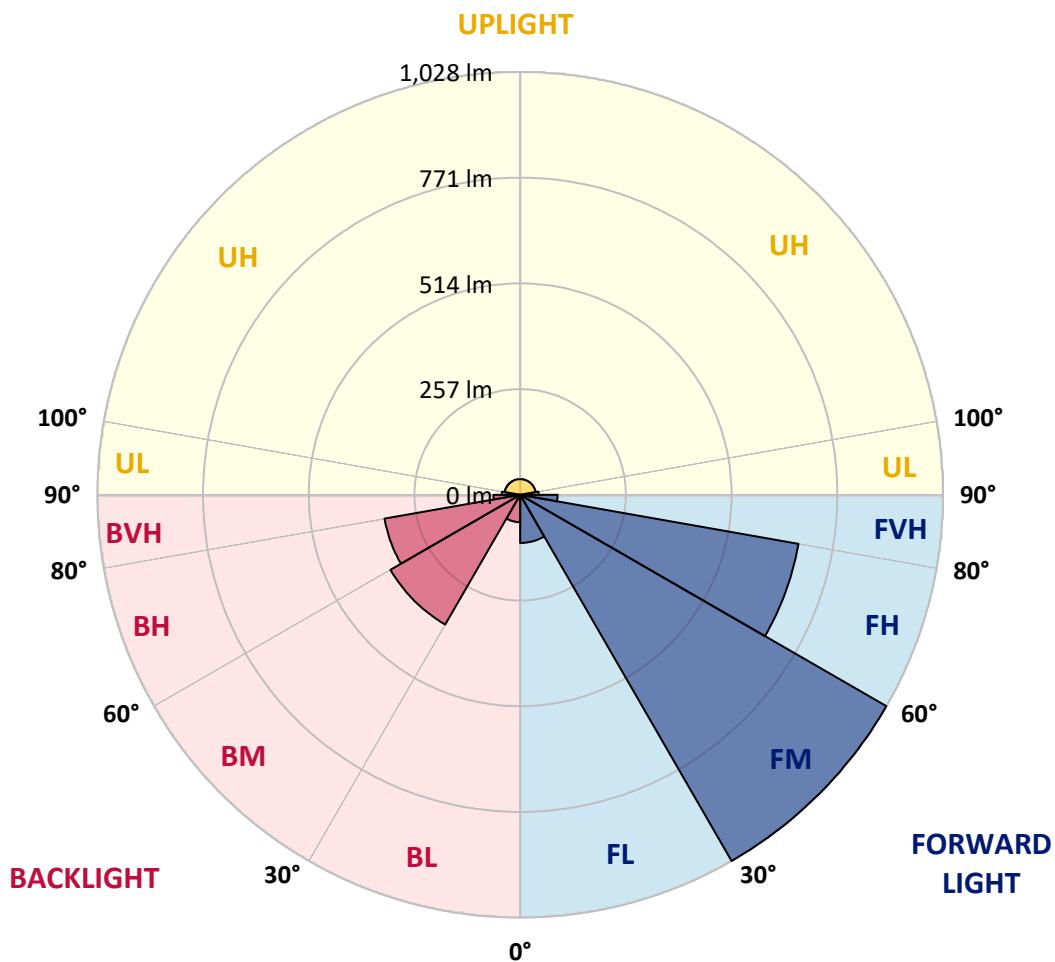
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	117.1	4.1			
FM	(30°-60°)	1028.3	36.4			
FH	(60°-80°)	687.3	24.3			G1/1800
FVH	(80°-90°)	90.9	3.2			G1/100
BL	(0°-30°)	66.5	2.4	B0/110		
BM	(30°-60°)	364.2	12.9	B1/1000		
BH	(60°-80°)	334.9	11.8	B1/500		G1/500
BVH	(80°-90°)	64.9	2.3			G1/100
UL	(90°-100°)	45.0	1.6		U2/50	
UH	(100°-180°)	38.2	1.4		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°	75°	78°	85°
0°	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
2.5°	98.5	98.3	98.3	98.5	97.6	97.1	96.2	95.0	93.9	93.6	92.5
5°	109.4	108.7	107.9	108.3	107.3	105.6	103.9	101.9	100.3	99.5	97.8
7.5°	122.1	122.8	121.5	120.7	119.5	117.8	114.8	112.4	110.0	109.0	107.3
10°	142.3	142.7	140.2	140.7	136.5	134.6	131.5	127.5	124.9	123.1	120.7
12.5°	169.9	169.5	166.8	165.8	160.7	157.2	152.4	147.7	144.9	143.0	138.9
15°	203.6	202.8	201.2	197.1	189.5	184.7	178.9	171.8	168.3	165.5	161.2
17.5°	243.3	243.5	240.1	234.7	224.3	217.6	209.2	199.9	194.5	190.7	185.9
20°	292.7	292.9	287.0	279.3	265.8	256.3	242.3	233.5	225.0	223.0	215.7
22.5°	351.5	351.1	342.2	332.1	313.9	299.8	284.3	270.1	260.4	257.6	249.5
25°	418.5	417.8	406.8	396.0	368.7	350.2	329.9	312.5	302.8	297.3	288.3
27.5°	497.2	495.9	481.0	465.5	430.8	403.7	379.2	362.6	350.5	343.4	333.4
30°	581.9	580.7	562.8	537.5	500.1	468.9	436.7	417.4	403.7	398.3	384.5
32.5°	673.5	670.8	650.0	619.3	575.3	535.5	503.0	481.0	464.2	458.9	441.0
35°	766.3	762.7	740.5	704.7	654.0	610.6	577.3	554.3	533.6	526.4	504.8
37.5°	855.5	850.3	832.9	787.9	736.3	695.9	658.6	630.0	607.2	600.7	572.5
40°	926.1	923.1	906.8	863.5	814.5	773.7	745.1	722.1	693.3	683.5	653.2
42.5°	980.0	976.8	964.4	928.4	884.7	856.8	832.9	816.4	791.5	781.0	738.3
45°	1007.8	1003.4	998.0	972.1	942.2	928.4	925.4	919.3	895.2	883.0	833.2
47.5°	1001.4	999.5	1004.5	988.7	976.8	988.9	1014.8	1027.0	999.0	988.0	935.5
50°	961.0	963.7	976.5	975.2	986.6	1027.7	1092.9	1132.9	1115.4	1100.7	1043.6
52.5°	893.5	897.1	920.0	932.5	965.4	1043.1	1153.5	1232.8	1234.5	1217.5	1152.7
55°	804.6	812.6	840.6	864.9	918.0	1025.3	1189.1	1316.9	1342.2	1324.7	1256.1
57.5°	699.3	711.1	741.7	781.7	843.7	976.5	1196.3	1379.8	1433.3	1418.9	1353.2
60°	589.6	598.1	636.1	681.2	743.1	901.9	1166.9	1412.9	1505.0	1495.9	1442.4
62.5°	482.0	491.5	530.4	579.9	640.5	795.9	1097.3	1410.5	1538.3	1542.7	1495.1
64°	421.1	431.5	470.0	516.6	577.3	726.9	1039.3	1384.2	1537.5	1549.8	1508.1
65°	383.1	393.5	431.2	477.7	536.8	679.2	996.0	1359.0	1531.3	1541.3	1508.3
67.5°	299.3	307.8	343.4	391.2	438.6	559.7	858.5	1259.5	1479.4	1496.2	1477.1
70°	230.1	238.2	270.7	314.9	354.6	455.1	709.1	1113.8	1379.4	1403.1	1394.0
72.5°	177.0	183.7	212.5	250.9	283.2	360.0	566.6	941.6	1234.9	1273.2	1275.0
75°	136.5	141.9	165.8	199.2	224.7	279.9	441.3	756.3	1050.6	1101.3	1113.1
77.5°	106.5	110.0	129.1	156.5	177.2	213.9	332.1	581.9	847.7	898.1	919.0
80°	83.7	86.4	101.2	122.8	139.2	160.7	243.3	430.6	650.0	695.6	715.5
82.5°	64.9	67.3	79.1	96.6	109.4	123.4	173.9	306.9	473.0	510.6	526.8
85°	49.4	51.2	61.3	74.3	84.8	95.0	121.5	209.6	329.3	358.0	369.1
87.5°	36.7	38.0	46.4	57.2	64.9	72.7	88.5	138.6	221.3	241.9	250.0
90°	26.6	27.6	34.3	43.4	50.1	55.9	64.3	91.8	142.3	156.0	162.1
92.5°	18.9	19.9	25.2	32.6	39.0	43.7	49.4	63.9	91.2	98.5	103.2
95°	13.8	14.5	18.5	24.6	30.3	34.7	39.3	46.4	60.1	64.3	65.9
97.5°	10.4	10.8	14.2	18.9	23.9	27.6	30.9	35.4	42.4	44.3	45.5
100°	8.1	8.4	11.0	15.1	19.1	22.5	25.0	27.6	31.4	32.6	33.2
102.5°	6.7	7.0	9.2	12.4	15.8	18.5	20.5	22.2	23.9	24.6	25.5
105°	6.1	6.1	8.1	10.8	13.5	15.8	17.4	18.1	18.5	18.9	19.1
107.5°	5.0	5.4	7.0	9.4	11.8	13.8	14.8	14.8	14.2	14.2	14.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
110°	4.8	4.8	6.1	8.1	10.4	11.8	12.4	11.8	10.4	10.4	10.8
112.5°	4.0	4.4	5.4	7.0	9.2	10.4	10.4	9.4	7.7	7.7	8.1
115°	3.8	3.8	4.8	6.4	7.7	8.8	8.8	7.7	5.7	5.7	6.1
117.5°	3.4	3.4	4.0	5.4	6.7	7.7	7.4	6.1	4.4	4.4	5.0
120°	3.4	3.4	3.8	4.8	5.7	6.4	6.1	4.8	3.4	3.4	4.0
122.5°	3.1	3.1	3.4	4.0	5.0	5.4	5.0	3.8	2.6	3.1	3.4
125°	3.1	3.1	3.1	3.8	4.4	4.8	4.4	3.1	2.3	2.3	2.6
127.5°	2.6	2.6	2.6	3.1	3.8	4.0	3.4	2.3	2.1	2.1	2.3
130°	2.6	2.6	2.3	2.6	3.4	3.4	2.6	1.6	1.3	1.6	2.1
132.5°	2.3	2.3	2.3	2.3	2.6	2.6	2.3	1.3	1.3	1.3	1.6
135°	2.3	2.3	2.1	2.1	2.3	2.3	1.6	1.0	1.0	1.0	1.3
137.5°	2.1	2.1	2.1	1.6	1.6	1.6	1.3	0.7	0.7	1.0	1.0
140°	1.6	1.6	1.6	1.3	1.3	1.0	0.7	0.3	0.7	0.7	1.0
142.5°	1.3	1.3	1.3	1.0	1.0	0.7	0.3	0.3	0.3	0.7	0.7
145°	1.0	1.0	1.0	0.7	0.7	0.3	0.3	0.3	0.3	0.3	0.7
147.5°	0.7	0.7	0.7	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.3
150°	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
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°	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
2.5°	92.2	91.8	90.8	90.2	89.6	88.8	88.8	88.2	87.9	87.5	87.5
5°	97.6	96.2	94.5	93.2	91.4	89.8	88.5	87.5	86.7	86.4	86.1
7.5°	105.6	103.9	100.9	98.5	95.5	93.2	91.2	89.1	88.5	87.9	87.9
10°	119.0	116.1	111.7	107.3	103.2	99.3	96.8	94.2	93.6	92.9	92.9
12.5°	136.9	133.8	126.8	120.7	114.4	109.0	105.3	102.9	102.2	101.2	101.6
15°	158.1	152.7	144.9	136.3	128.2	120.7	116.4	112.6	111.0	110.0	110.3
17.5°	181.9	175.9	164.7	153.4	143.0	134.8	127.5	122.1	119.5	118.3	118.3
20°	209.6	202.8	188.7	173.3	159.8	148.3	138.9	130.9	127.5	126.1	126.1
22.5°	242.3	233.7	214.2	194.5	177.7	160.7	148.3	138.6	134.6	133.2	133.2
25°	279.9	268.8	243.9	219.4	194.2	171.5	155.8	145.3	140.7	138.9	138.9
27.5°	319.3	308.7	276.5	245.2	210.7	180.3	161.4	150.0	144.6	143.5	143.3
30°	369.1	354.2	312.5	269.9	224.7	186.4	163.9	152.7	147.3	146.3	146.3
32.5°	421.1	403.7	353.3	295.4	235.4	189.1	164.2	153.7	148.9	148.0	147.7
35°	482.4	459.8	395.7	321.7	245.2	190.0	163.9	154.4	150.6	149.4	148.9
37.5°	549.0	520.4	440.3	345.8	250.3	188.4	162.9	154.1	151.4	149.7	149.4
40°	621.0	588.0	491.5	365.3	250.9	185.1	160.7	154.4	151.8	149.7	148.9
42.5°	701.3	661.7	540.9	383.1	248.9	181.0	159.4	154.4	152.1	149.7	148.9
45°	790.9	742.4	592.7	397.0	243.5	176.2	158.1	154.4	152.4	149.4	148.9
47.5°	886.4	828.9	645.8	407.7	236.9	171.5	157.5	155.0	153.4	149.7	149.4
50°	986.2	920.0	697.4	414.7	228.8	167.2	156.8	155.0	154.1	150.0	149.7
52.5°	1094.0	1016.5	753.1	418.5	219.4	162.9	156.0	155.8	154.8	151.1	150.3
55°	1194.1	1109.3	802.9	418.5	209.6	158.8	155.3	156.0	155.8	152.1	151.4
57.5°	1287.7	1194.8	846.7	413.4	199.2	154.8	154.1	155.8	156.0	152.7	152.1
60°	1368.4	1269.6	877.6	405.3	188.4	150.6	152.4	155.0	156.0	153.0	152.4
62.5°	1422.9	1321.3	888.1	388.2	177.0	146.3	149.4	153.0	155.0	152.4	151.8
64°	1439.8	1334.4	885.6	375.4	169.9	143.5	147.3	151.8	153.7	151.8	151.1
65°	1444.5	1336.5	877.3	364.6	165.5	141.7	145.6	150.3	152.7	150.6	150.0
67.5°	1416.2	1301.5	836.0	332.7	155.0	136.3	140.9	145.6	148.7	147.7	147.1
70°	1344.3	1227.4	767.6	297.7	144.3	129.8	134.6	139.5	143.3	142.7	142.3
72.5°	1225.5	1110.8	681.5	256.6	133.6	122.8	126.1	132.0	135.6	135.3	134.6
75°	1068.4	957.1	563.1	219.4	121.8	113.6	117.0	122.1	125.9	125.1	125.1
77.5°	884.7	778.0	452.0	181.3	111.0	103.9	107.0	111.0	114.4	113.4	113.0
80°	689.3	598.8	345.5	147.7	99.5	93.6	95.5	98.5	101.6	100.3	99.9
82.5°	506.6	438.0	254.6	118.3	88.2	81.7	83.5	86.1	87.9	86.4	86.1
85°	355.2	306.1	184.3	94.2	75.6	70.2	70.6	72.0	73.3	71.3	71.0
87.5°	239.5	205.3	127.7	74.6	63.9	59.2	58.8	59.6	60.5	58.5	57.5
90°	157.2	133.8	87.5	60.5	53.4	49.4	48.8	48.8	49.0	46.7	46.2
92.5°	99.5	86.7	63.6	49.4	44.7	41.1	40.1	39.6	39.3	37.0	36.7
95°	64.9	59.6	48.8	41.1	37.0	34.0	33.0	32.2	31.6	30.0	29.3
97.5°	45.8	43.1	38.6	34.0	30.9	28.2	27.3	26.2	25.5	23.5	23.1
100°	34.3	33.2	31.4	28.2	26.0	23.5	22.5	21.5	20.8	18.9	18.5
102.5°	26.6	26.6	25.5	23.5	21.5	19.6	18.9	17.8	16.8	15.5	15.1
105°	20.5	20.5	20.8	19.9	18.1	16.8	15.8	15.1	14.2	12.4	12.4
107.5°	15.5	16.2	16.8	16.4	15.5	14.2	13.5	12.8	11.5	10.4	10.4



REPORT NUMBER: P266039

CATALOG NUMBER: LXF.LXT-AF24-30-D-U-T2U-TL-7027

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	11.8	12.0	13.5	13.8	13.1	12.0	11.5	10.4	9.4	8.4	8.4
112.5°	8.8	9.4	10.8	11.5	11.0	10.4	9.7	8.8	7.4	7.0	7.0
115°	6.7	7.4	8.8	9.4	9.4	8.8	8.1	7.0	6.1	5.7	6.1
117.5°	5.4	6.1	7.0	7.7	7.7	7.0	6.7	5.7	5.0	5.0	5.0
120°	4.4	5.0	5.7	6.4	6.4	6.1	5.4	4.8	4.0	4.4	4.4
122.5°	3.8	4.0	4.8	5.0	5.4	5.0	4.4	3.8	3.4	3.8	3.8
125°	3.1	3.4	4.0	4.0	4.4	4.0	3.8	3.1	2.6	3.1	3.1
127.5°	2.6	3.1	3.4	3.4	3.8	3.4	3.1	2.3	2.3	2.6	2.6
130°	2.1	2.3	2.6	2.6	3.1	2.6	2.3	2.1	2.1	2.3	2.3
132.5°	1.6	2.1	2.1	2.3	2.3	2.3	2.1	1.3	1.6	1.6	1.6
135°	1.6	1.6	2.1	1.6	1.6	1.6	1.3	1.0	1.3	1.3	1.3
137.5°	1.3	1.3	1.6	1.6	1.3	1.3	1.0	0.7	1.0	1.3	1.3
140°	1.0	1.3	1.3	1.3	1.3	1.0	0.7	0.3	0.7	0.7	0.7
142.5°	1.0	1.0	1.3	1.3	1.0	0.7	0.3	0.0	0.3	0.3	0.3
145°	0.7	1.0	1.0	1.0	0.7	0.7	0.3	0.0	0.0	0.3	0.0
147.5°	0.7	0.7	1.0	0.7	0.7	0.3	0.0	0.0	0.0	0.0	0.0
150°	0.3	0.7	0.7	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	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	0.3	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)