

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: P415325

Luminaire Tested: **LXF.LXT-PA1-40-830-U-T4W-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415325
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-18)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-40-830-U-T4W-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3666 lumens
Efficiency: N/A
Efficacy: 91.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B1 - U3 - G3

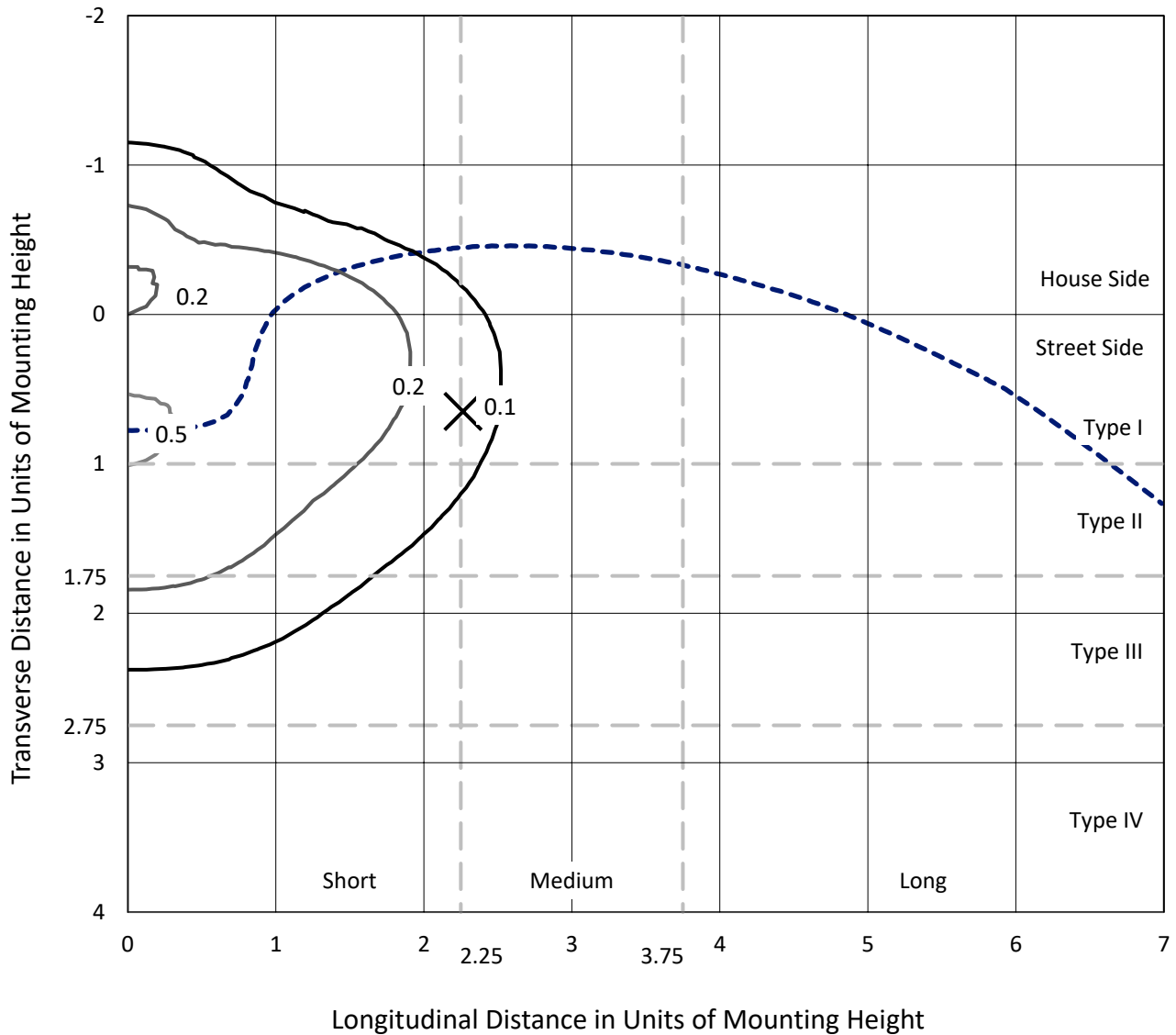
Input Watts (W): 40
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

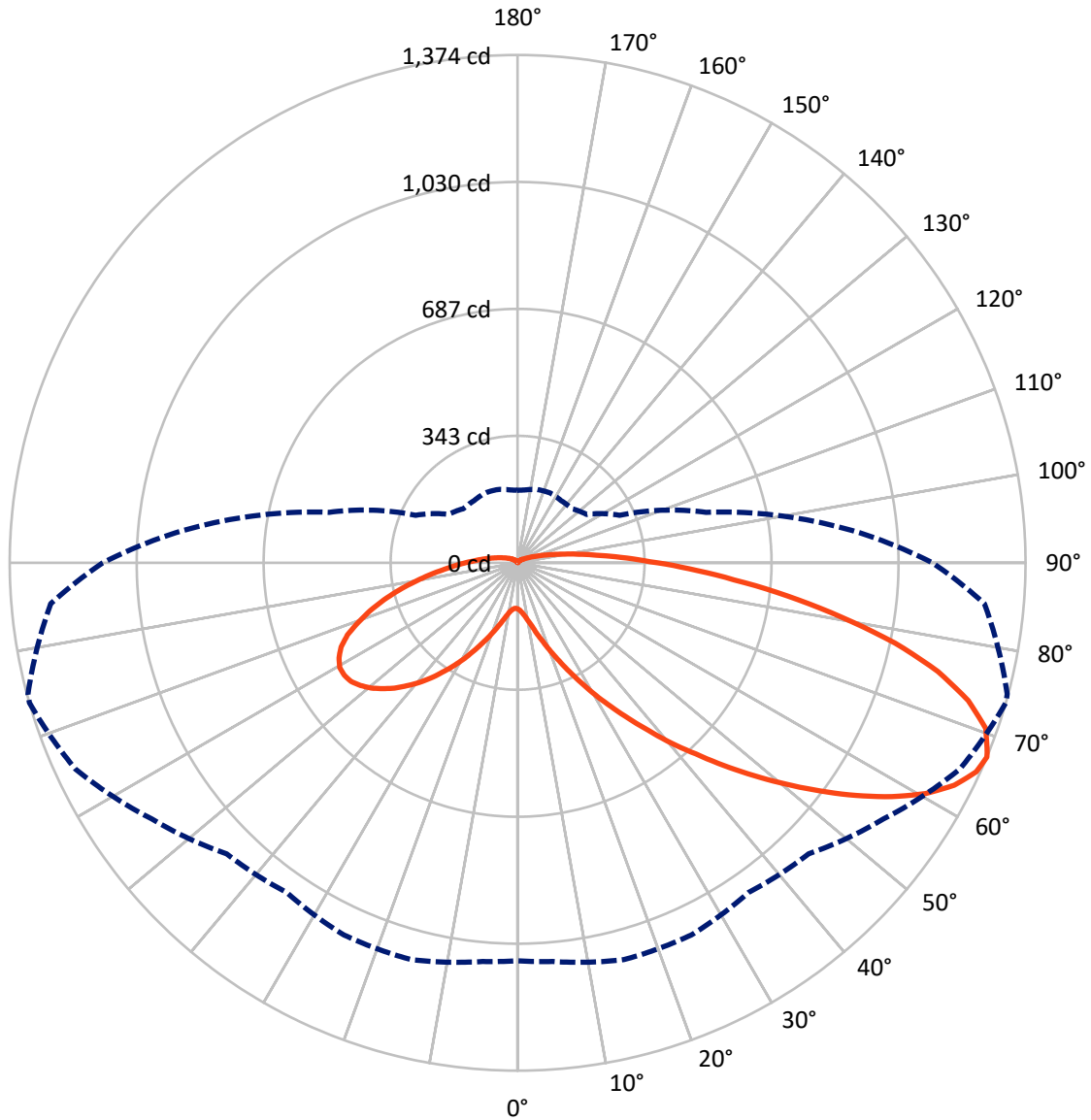
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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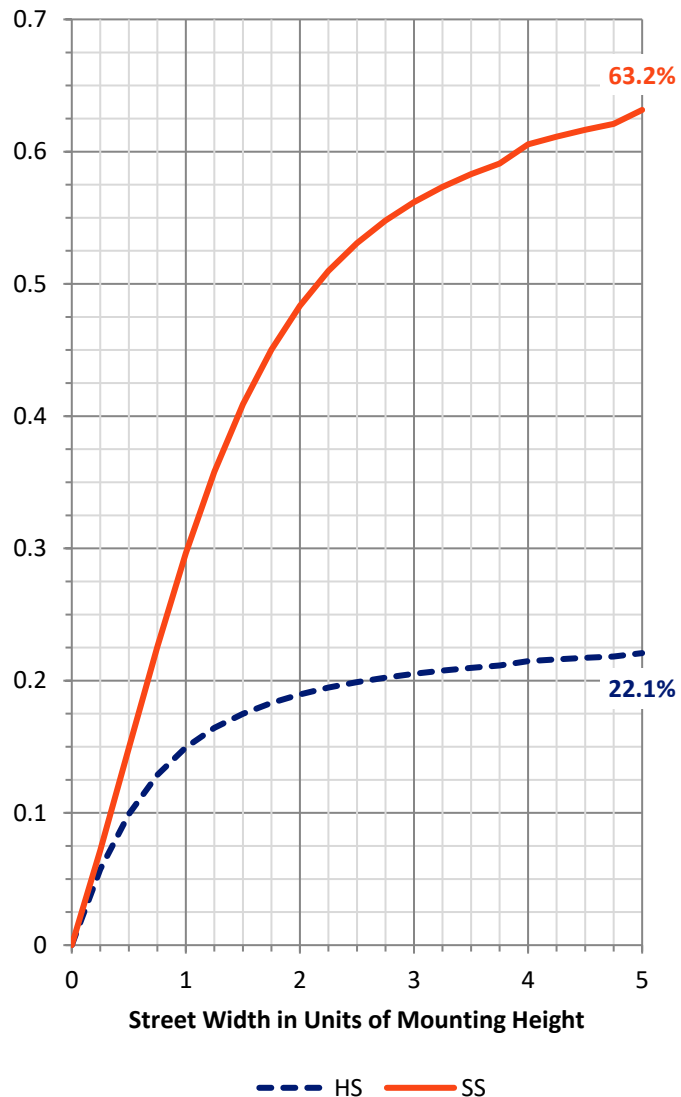
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	854.9	102.8	957.6
	% Fixture	23.3	2.8	26.1
Street Side	Lumens	2474.0	234.4	2708.4
	% Fixture	67.5	6.4	73.9
Total	Lumens	3328.9	337.2	3666.0
	% Fixture	90.8	9.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.1	0.4
10°-20°	53.4	1.5
20°-30°	132.7	3.6
30°-40°	259.1	7.1
40°-50°	428.5	11.7
50°-60°	621.0	16.9
60°-70°	751.6	20.5
70°-80°	668.2	18.2
80°-90°	401.4	10.9
90°-100°	184.3	5.0
100°-110°	82.0	2.2
110°-120°	39.2	1.1
120°-130°	19.4	0.5
130°-140°	8.9	0.2
140°-150°	2.9	0.1
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3328.9	90.8
0°-180°	3666.0	100.0

Coefficient of Utilization



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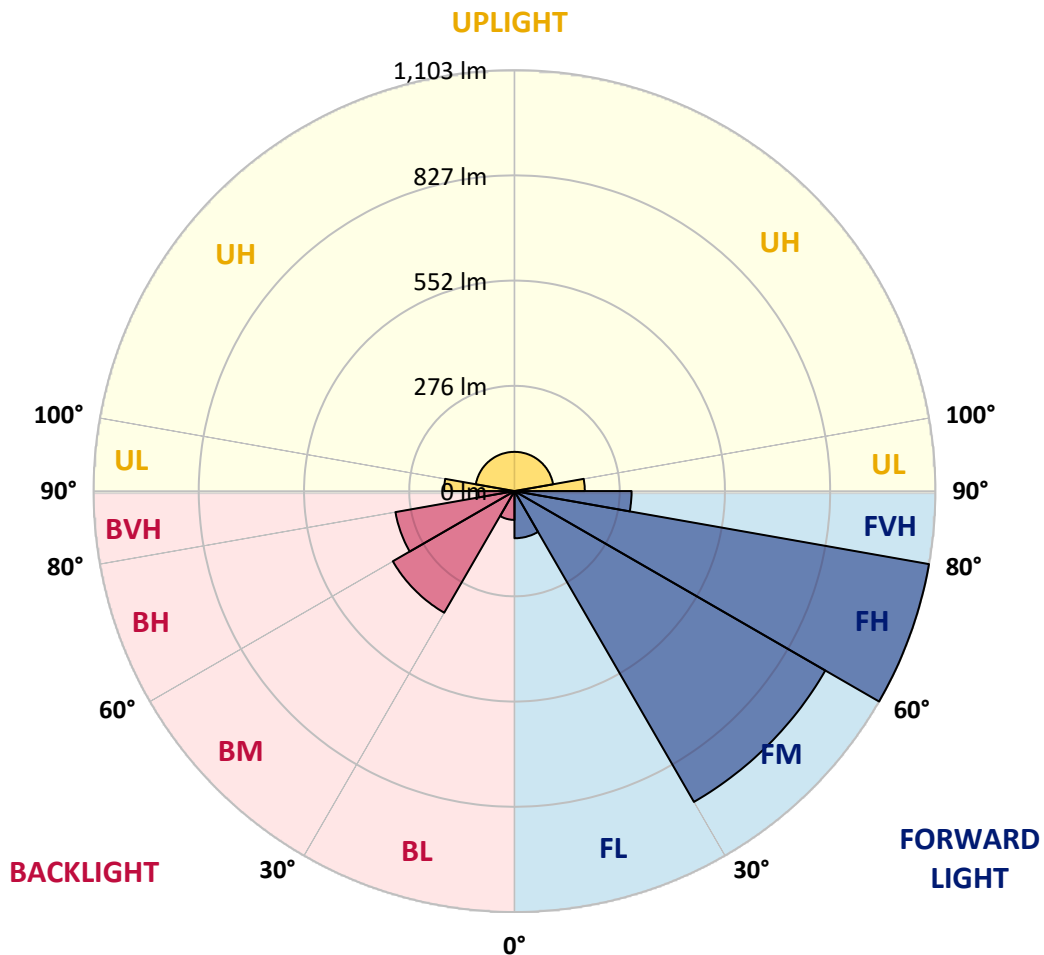
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	123.6	3.4			
FM	(30°-60°)	940.6	25.7			
FH	(60°-80°)	1103.0	30.1			G1/1800
FVH	(80°-90°)	306.8	8.4			G3/500
BL	(0°-30°)	75.5	2.1	B0/110		
BM	(30°-60°)	368.0	10.0	B1/1000		
BH	(60°-80°)	316.8	8.6	B1/500		G1/500
BVH	(80°-90°)	94.6	2.6			G1/100
UL	(90°-100°)	184.3	5.0		U3/500	
UH	(100°-180°)	102.8	2.8		U3/500	

BUG Rating: B1-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	124.9	124.9	124.9	124.9	124.9	124.9	124.9	124.9	124.9	124.9	124.9
2.5°	137.9	136.6	136.6	135.7	135.3	134.0	133.1	130.1	128.8	128.8	126.6
5°	152.7	151.8	150.1	150.1	148.4	146.6	143.1	139.2	136.2	135.7	131.8
7.5°	171.0	168.8	168.8	166.6	164.0	161.0	156.2	151.0	146.2	145.7	139.7
10°	191.9	191.0	190.1	187.1	183.6	177.5	173.2	165.8	160.1	159.7	151.4
12.5°	217.5	216.2	213.6	210.6	204.5	200.1	192.3	184.0	176.6	177.1	167.5
15°	245.4	244.5	242.8	238.0	231.0	224.9	217.1	208.4	201.0	197.9	187.9
17.5°	277.1	275.4	273.2	268.0	260.2	254.1	243.6	235.4	225.8	226.2	211.9
20°	314.5	312.8	309.8	301.5	294.5	286.3	275.4	266.3	255.4	254.5	240.1
22.5°	351.5	352.4	345.0	336.3	329.8	320.2	309.8	298.0	288.4	287.6	271.0
25°	397.2	394.2	386.8	376.8	366.7	355.0	345.9	335.4	326.3	325.4	305.8
27.5°	445.1	442.4	432.4	419.8	406.3	393.3	385.5	374.6	367.6	366.3	346.3
30°	497.3	492.9	483.8	466.8	448.1	433.3	425.5	421.6	415.0	413.3	392.9
32.5°	556.0	550.3	536.9	516.4	489.4	472.9	469.4	465.9	463.3	460.7	441.6
35°	614.3	612.6	592.5	567.3	540.8	519.0	512.9	518.6	516.8	515.1	494.7
37.5°	675.6	678.7	656.9	623.9	587.3	564.3	559.9	570.4	575.1	575.1	550.8
40°	747.9	745.2	723.5	683.0	640.4	613.4	614.7	630.4	642.1	639.5	615.6
42.5°	819.6	814.0	785.3	745.7	691.7	664.8	664.8	688.7	706.5	707.0	681.7
45°	890.1	884.0	857.1	805.3	746.5	717.4	723.5	752.6	781.8	777.9	753.1
47.5°	954.5	951.9	924.0	868.8	802.7	772.2	784.4	827.9	859.7	859.7	832.3
50°	1017.6	1014.1	988.0	925.8	859.2	829.2	847.5	900.6	941.0	943.2	911.4
52.5°	1072.0	1069.8	1045.4	983.7	914.9	884.5	911.9	978.4	1025.0	1029.8	996.3
55°	1111.1	1112.4	1093.7	1035.0	965.4	940.1	977.6	1055.9	1111.1	1112.0	1075.9
57.5°	1139.8	1141.6	1129.0	1078.1	1009.8	990.6	1041.1	1130.7	1193.3	1197.3	1149.8
60°	1152.0	1155.1	1151.1	1108.5	1049.3	1037.2	1098.1	1197.7	1267.3	1268.6	1211.6
62.5°	1145.5	1148.5	1156.4	1125.9	1078.1	1077.6	1153.3	1256.0	1325.2	1326.9	1258.6
65°	1115.9	1120.7	1140.3	1125.9	1088.5	1102.9	1189.9	1300.8	1363.0	1365.2	1276.9
67°	1076.3	1082.4	1111.1	1110.7	1088.5	1112.9	1207.7	1319.5	1373.5	1370.8	1267.3
67.5°	1067.2	1073.3	1102.0	1106.3	1085.5	1114.2	1209.9	1321.7	1369.5	1369.1	1261.2
70°	989.7	1000.6	1042.4	1063.3	1062.8	1103.7	1209.0	1309.9	1343.0	1338.7	1210.3
72.5°	900.6	914.0	964.9	1005.0	1018.0	1071.1	1177.2	1263.4	1274.3	1269.0	1115.0
75°	808.8	816.2	869.2	926.2	959.3	1015.8	1117.6	1189.4	1174.2	1161.6	995.8
77.5°	711.7	714.8	774.0	837.9	877.9	943.2	1028.9	1081.1	1043.7	1033.2	860.1
80°	599.1	611.7	670.8	737.4	787.0	846.2	918.4	949.7	887.1	877.5	715.7
82.5°	506.8	514.7	568.6	633.9	689.6	745.2	792.2	800.5	734.8	727.8	575.1
85°	413.7	420.7	477.3	537.7	589.9	636.5	667.8	655.6	587.3	579.9	454.6
87.5°	342.4	347.6	386.8	448.1	494.2	527.7	544.2	529.0	463.8	453.3	351.1
90°	271.5	279.3	314.5	366.3	413.3	435.1	436.8	411.6	358.0	350.2	268.9
92.5°	219.3	224.5	258.0	301.1	338.0	354.6	350.2	328.9	279.7	270.6	208.0
95°	177.5	181.9	209.7	247.5	277.6	292.8	280.6	252.3	213.6	210.1	160.5
97.5°	147.5	148.4	170.1	204.0	228.0	235.8	226.2	200.6	167.1	160.1	123.1
100°	120.5	121.4	139.7	165.3	187.1	192.3	182.7	157.9	129.6	125.3	96.6
102.5°	97.9	100.1	114.0	137.0	153.1	157.1	147.0	125.3	100.1	97.0	75.3
105°	83.1	83.5	95.7	113.1	127.5	130.5	120.5	101.8	78.7	77.0	60.0
107.5°	70.5	70.5	80.0	95.3	106.6	108.3	100.5	83.1	62.2	60.5	48.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	60.5	60.9	67.9	80.0	90.5	91.8	84.0	66.6	49.6	48.3	39.6
112.5°	52.6	53.5	58.3	67.9	77.0	78.3	70.5	54.4	40.5	38.7	33.1
115°	46.6	47.0	50.5	58.3	65.7	66.6	58.7	44.8	32.6	31.3	27.8
117.5°	41.3	41.8	44.4	50.9	56.6	57.0	49.2	37.0	27.4	26.1	24.4
120°	37.4	37.4	39.6	43.9	48.7	48.7	41.3	30.5	22.6	22.2	20.9
122.5°	33.9	33.9	35.2	38.3	41.8	40.9	34.4	25.2	19.1	18.7	18.3
125°	30.9	30.9	31.8	33.5	35.7	34.4	28.3	20.9	16.5	16.1	16.1
127.5°	27.8	27.8	28.3	29.6	30.0	28.7	23.5	17.4	14.4	13.9	14.4
130°	25.2	25.2	25.2	25.2	25.2	24.4	19.1	14.4	12.2	12.2	12.6
132.5°	22.6	22.6	22.2	21.8	21.3	19.6	15.7	11.7	10.9	10.9	11.3
135°	20.0	20.0	19.6	18.7	17.4	15.2	11.7	9.6	9.1	9.1	9.6
137.5°	17.4	17.4	17.0	15.7	13.9	11.7	9.1	7.8	7.8	7.8	8.3
140°	14.8	14.8	14.4	13.1	10.9	8.7	7.0	6.1	6.5	6.5	7.0
142.5°	12.6	12.2	11.7	10.4	8.3	6.1	4.8	4.8	5.2	5.2	5.7
145°	10.0	9.6	9.1	7.8	6.1	4.4	3.5	3.5	3.9	3.9	4.4
147.5°	7.8	7.4	7.0	5.7	4.4	3.0	2.2	2.6	3.0	3.0	3.0
150°	5.2	5.2	5.2	4.4	2.6	1.7	1.3	1.7	1.7	1.7	2.2
152.5°	3.5	3.5	3.5	2.6	1.7	0.9	0.9	0.9	1.3	1.3	1.3
155°	2.2	2.2	2.2	1.7	0.9	0.4	0.4	0.4	0.9	0.9	0.9
157.5°	0.9	0.9	0.9	0.9	0.9	0.4	0.0	0.4	0.4	0.4	0.4
160°	0.4	0.4	0.9	0.9	0.9	0.4	0.0	0.0	0.4	0.4	0.4
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°	124.9	124.9	124.9	124.9	124.9	124.9	124.9	124.9	124.9	124.9	124.9
2.5°	125.7	124.9	123.1	121.8	120.5	119.2	117.9	117.0	115.7	115.7	115.7
5°	130.1	127.9	124.4	121.8	118.8	116.6	114.0	112.2	110.9	110.5	110.5
7.5°	137.5	134.4	129.2	124.0	119.6	116.2	113.1	110.9	109.2	108.8	108.8
10°	147.9	144.0	135.7	129.6	124.0	119.2	115.3	112.2	110.9	110.1	110.1
12.5°	163.1	157.9	148.4	137.9	130.5	124.4	119.6	118.3	118.3	118.8	118.3
15°	181.4	176.2	163.1	151.0	140.1	133.1	130.5	130.5	130.1	131.0	131.0
17.5°	204.5	197.1	181.4	165.3	152.7	146.2	143.6	142.7	143.6	144.9	144.0
20°	231.9	221.0	201.4	181.4	167.9	161.4	157.1	156.2	157.5	158.4	158.8
22.5°	260.6	248.8	224.1	198.4	184.5	175.8	171.0	169.7	171.8	174.0	174.5
25°	293.2	280.2	248.4	218.8	199.3	187.5	183.2	182.7	186.2	189.2	189.2
27.5°	332.8	315.4	275.0	241.0	215.8	200.1	195.3	195.8	200.6	203.2	204.0
30°	374.1	354.6	305.4	261.5	228.8	210.1	204.9	207.1	211.9	217.1	218.0
32.5°	420.7	397.6	335.0	281.9	240.6	218.0	212.3	216.7	221.9	228.0	228.8
35°	469.4	438.5	365.4	300.6	250.2	224.1	217.5	222.7	229.3	234.9	236.7
37.5°	524.7	488.1	398.5	315.8	257.6	227.5	220.6	226.7	234.1	239.7	240.1
40°	581.2	539.0	429.8	330.2	262.8	229.7	222.3	228.4	235.4	240.1	240.6
42.5°	640.4	590.8	459.0	342.0	265.4	229.7	221.4	227.5	234.1	236.7	237.1
45°	709.6	645.6	489.0	350.2	266.3	228.8	220.1	224.9	229.7	230.6	231.9
47.5°	779.2	700.0	514.7	356.3	265.8	226.7	218.0	221.9	224.9	224.1	225.4
50°	852.7	759.2	539.5	360.2	263.6	224.5	214.9	218.4	219.3	216.7	216.7
52.5°	923.2	810.5	558.6	360.7	260.6	221.9	212.7	215.4	214.9	210.1	210.6
55°	993.7	865.3	574.7	356.7	256.2	219.3	210.6	212.3	211.0	205.3	204.5
57.5°	1054.1	909.7	581.7	351.1	251.5	216.7	209.3	211.0	208.4	201.9	201.4
60°	1105.5	944.1	582.1	343.3	245.8	214.5	208.0	210.1	208.0	200.1	199.3
62.5°	1137.2	959.7	570.8	331.1	240.1	211.9	208.0	209.7	207.1	199.3	198.8
65°	1142.4	951.9	552.5	317.2	233.6	209.3	207.1	209.3	206.6	198.4	197.5
67°	1122.0	929.3	527.7	304.1	228.0	207.1	205.3	208.4	205.3	197.5	196.2
67.5°	1115.0	918.8	522.1	302.4	226.7	206.2	204.9	207.5	204.9	197.1	195.8
70°	1054.1	861.8	479.4	283.2	218.4	201.9	201.9	204.0	201.4	194.0	191.9
72.5°	960.2	781.8	436.8	264.9	209.3	195.3	196.6	198.8	196.2	189.2	186.6
75°	851.4	691.7	389.4	243.6	198.8	188.8	189.7	191.9	189.2	181.9	179.7
77.5°	730.5	587.8	341.5	224.1	187.9	180.1	180.5	181.9	179.7	172.3	170.1
80°	600.8	484.6	292.8	201.9	175.3	169.2	169.7	169.7	166.6	160.5	158.8
82.5°	484.2	393.7	249.7	182.3	161.4	157.1	157.1	156.6	152.7	147.5	144.9
85°	376.8	317.6	209.3	162.3	147.5	143.6	143.1	141.4	137.5	131.8	128.8
87.5°	295.4	251.5	176.2	143.1	133.6	131.0	128.3	124.4	121.4	116.6	114.0
90°	230.6	199.7	148.8	125.7	120.1	116.6	114.0	109.2	104.4	99.6	98.3
92.5°	180.5	157.9	124.0	109.6	106.2	103.5	100.1	94.8	90.5	84.8	85.3
95°	143.1	128.3	105.7	96.6	94.0	91.8	87.4	81.8	77.0	71.8	70.9
97.5°	112.2	102.2	88.8	84.0	83.1	80.5	76.1	70.5	65.3	59.6	59.6
100°	89.2	83.5	74.8	74.0	72.2	70.5	66.1	60.9	54.4	49.6	49.6
102.5°	71.8	67.0	64.0	64.0	63.5	61.8	57.4	52.2	45.7	40.9	40.9
105°	57.4	55.7	54.4	55.7	56.1	54.4	50.0	44.4	37.8	33.5	34.4
107.5°	47.9	46.6	46.6	48.3	49.2	47.4	43.5	37.4	31.3	28.3	28.3



REPORT NUMBER: P415325

CATALOG NUMBER: LXF.LXT-PA1-40-830-U-T4W-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	39.6	39.2	40.0	42.2	42.6	41.3	37.4	31.8	26.1	23.5	23.9
112.5°	33.5	33.1	34.8	37.0	37.4	36.1	32.2	27.0	21.8	20.0	20.0
115°	28.3	28.7	30.0	31.8	32.6	31.3	27.8	23.1	17.8	17.0	17.0
117.5°	24.4	24.8	26.1	28.3	28.7	27.0	23.5	19.1	15.2	14.8	14.8
120°	21.3	21.8	23.1	24.4	24.8	23.1	20.0	16.1	13.1	12.6	12.6
122.5°	18.7	19.6	20.4	21.3	21.8	20.0	17.4	13.5	10.9	10.9	11.3
125°	16.5	17.0	17.8	18.7	18.7	17.0	14.4	11.3	9.6	9.6	9.6
127.5°	14.8	14.8	15.2	16.1	16.1	14.8	12.2	9.1	8.3	8.3	8.7
130°	13.1	13.5	13.5	13.5	13.5	12.2	10.0	7.8	7.0	7.4	7.4
132.5°	11.3	11.7	11.7	11.7	11.3	10.0	8.3	6.5	6.1	6.5	6.5
135°	10.0	10.0	10.0	10.0	9.1	8.3	6.5	5.2	5.2	5.7	5.7
137.5°	8.7	8.7	8.7	8.3	7.4	6.5	5.2	4.4	4.4	4.8	4.8
140°	7.0	7.4	7.0	6.5	5.7	4.8	3.9	3.5	3.9	3.9	3.9
142.5°	5.7	5.7	5.7	5.2	4.4	3.5	3.0	2.6	3.0	3.0	3.5
145°	4.4	4.4	4.4	3.9	3.0	2.2	2.2	2.2	2.6	2.6	2.6
147.5°	3.0	3.0	3.0	2.6	1.7	1.3	1.3	1.3	1.7	1.7	1.7
150°	2.2	2.2	2.2	1.7	0.9	0.4	0.4	0.9	1.3	1.3	1.3
152.5°	1.3	1.3	1.3	0.9	0.4	0.0	0.4	0.9	0.9	0.4	0.4
155°	0.9	0.9	0.9	0.9	0.4	0.0	0.4	0.4	0.4	0.0	0.0
157.5°	0.9	0.9	0.4	0.4	0.0	0.0	0.0	0.4	0.0	0.0	0.0
160°	0.4	0.4	0.4	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)