

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: P414622

Luminaire Tested: **LXF.LXT-PA1-30-730-U-T2R-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414622
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-5)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-30-730-U-T2R-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3174 lumens
Efficiency: N/A
Efficacy: 102.4 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B1 - U3 - G2

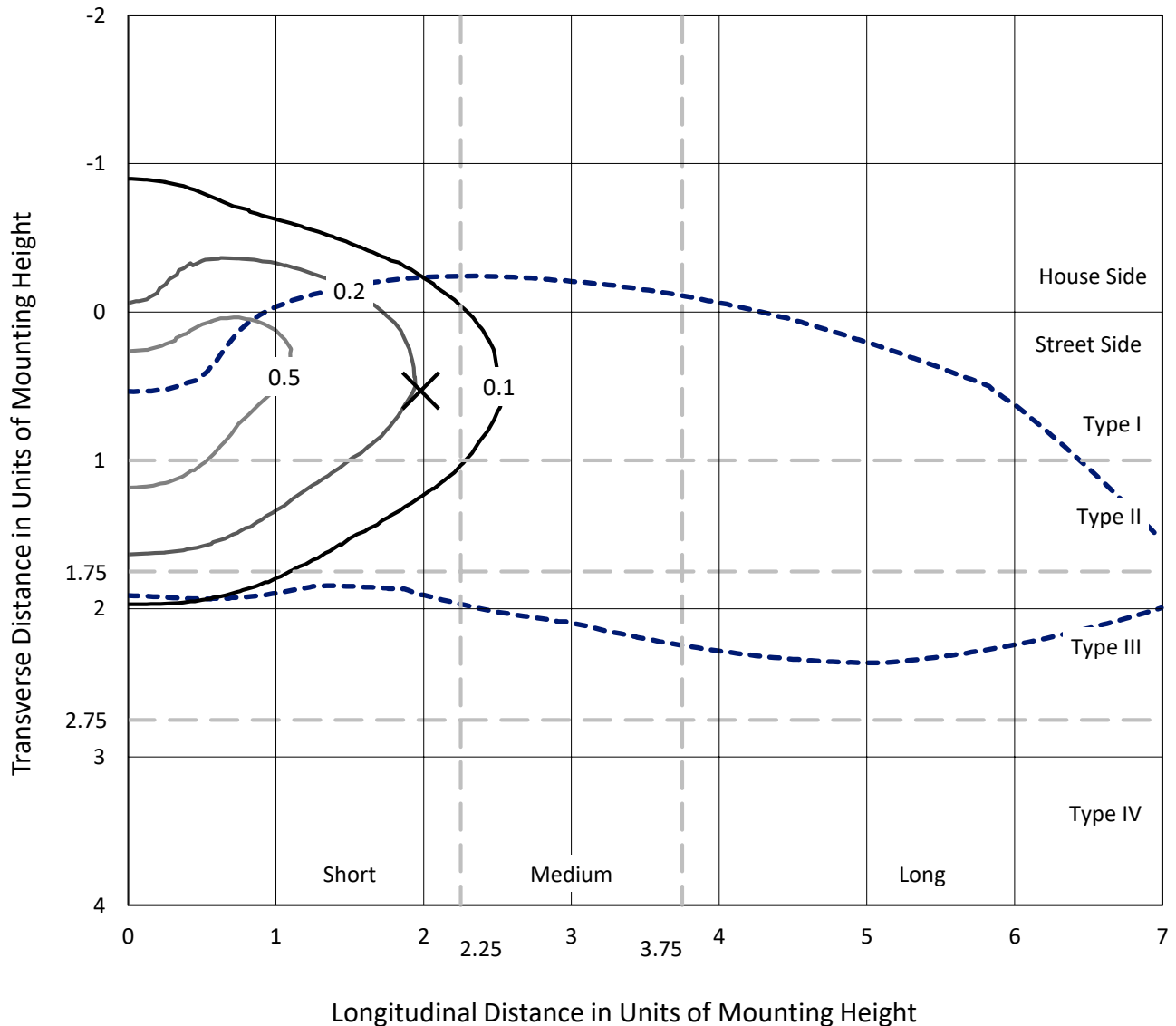
Input Watts (W): 31
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

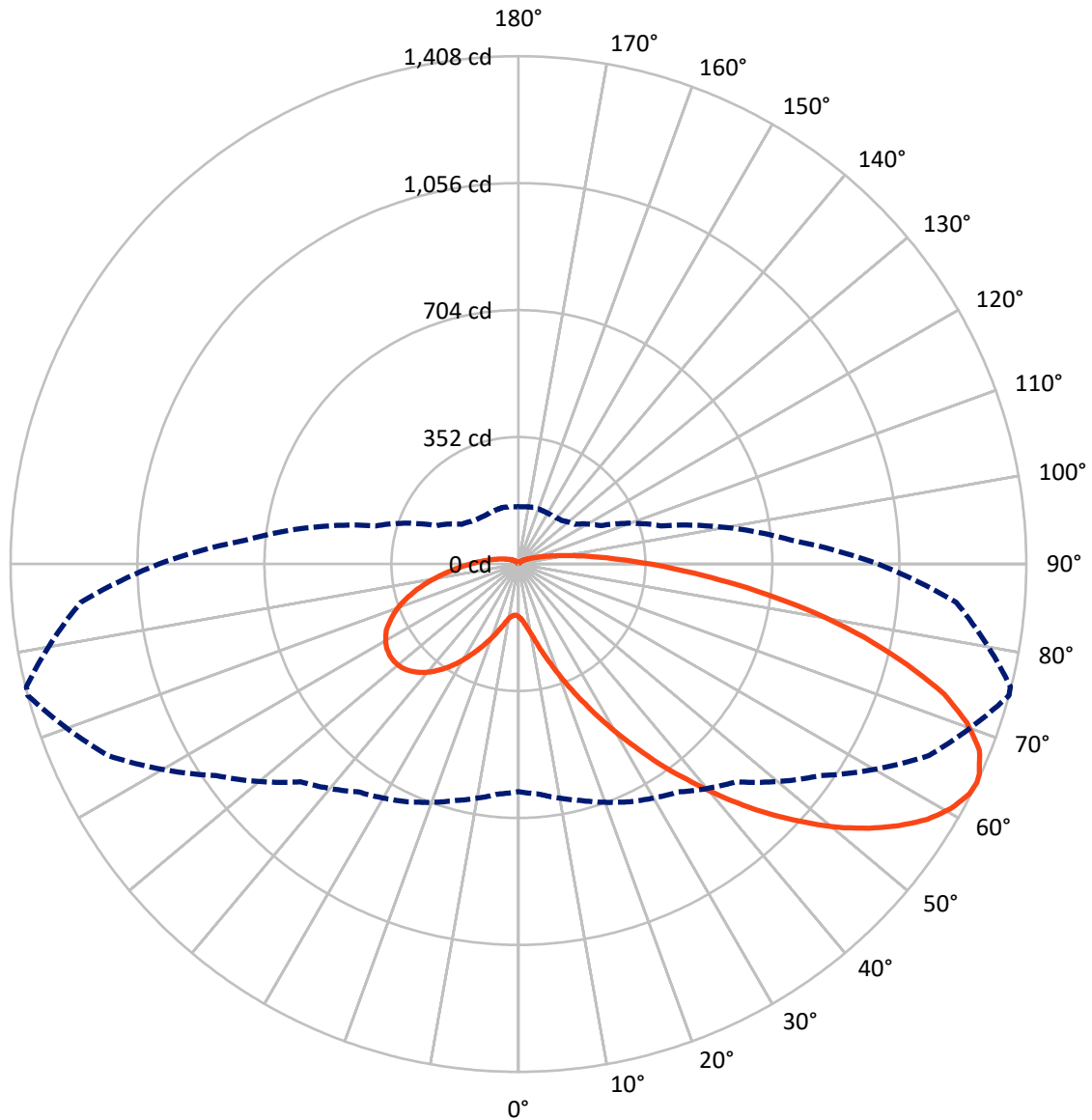


Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

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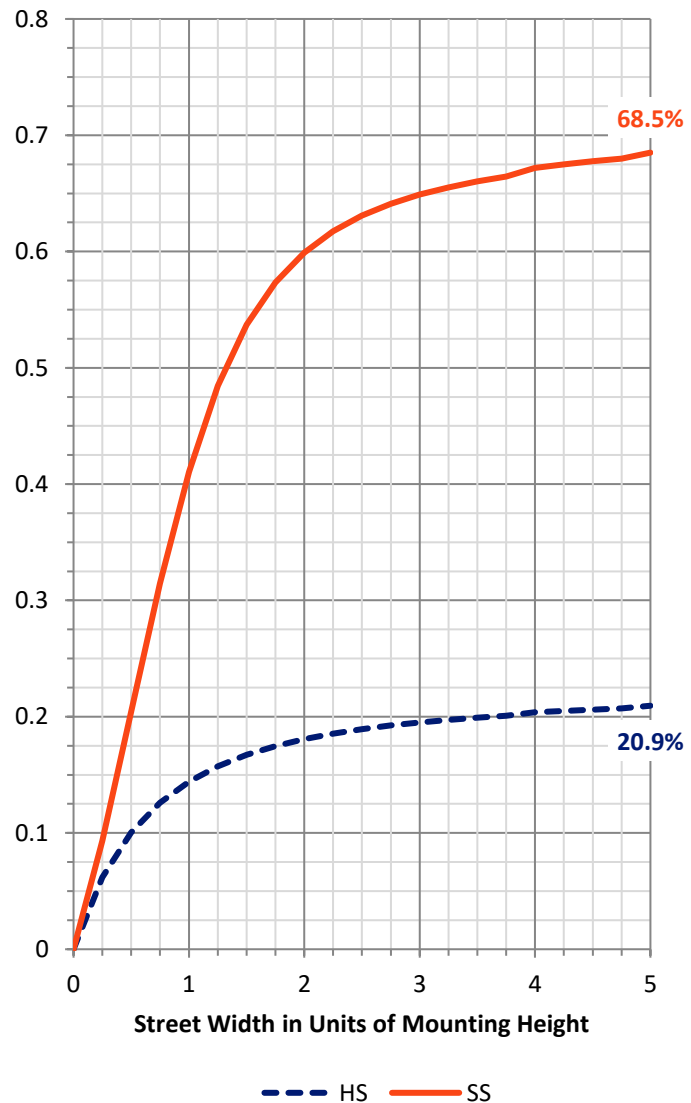
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	700.1	92.2	792.3
	% Fixture	22.1	2.9	25.0
Street Side	Lumens	2241.5	140.3	2381.8
	% Fixture	70.6	4.4	75.0
Total	Lumens	2941.5	232.5	3174.0
	% Fixture	92.7	7.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.4	0.5
10°-20°	64.0	2.0
20°-30°	162.1	5.1
30°-40°	317.4	10.0
40°-50°	493.8	15.6
50°-60°	605.5	19.1
60°-70°	588.7	18.5
70°-80°	444.0	14.0
80°-90°	250.7	7.9
90°-100°	118.2	3.7
100°-110°	57.1	1.8
110°-120°	30.0	0.9
120°-130°	16.1	0.5
130°-140°	7.9	0.2
140°-150°	2.7	0.1
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2941.5	92.7
0°-180°	3174.0	100.0



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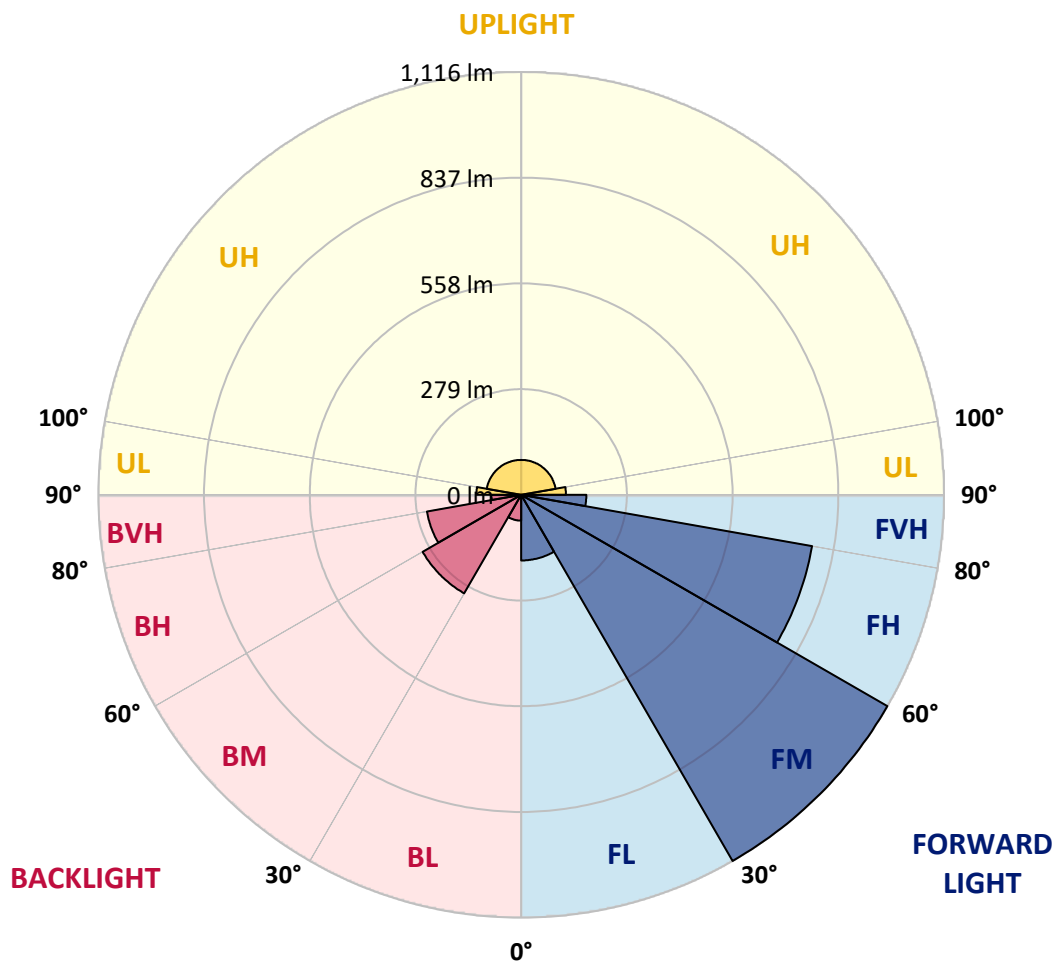
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	173.4	5.5			
FM	(30°-60°)	1116.3	35.2			
FH	(60°-80°)	779.9	24.6			G1/1800
FVH	(80°-90°)	171.9	5.4			G2/225
BL	(0°-30°)	68.1	2.1	B0/110		
BM	(30°-60°)	300.4	9.5	B1/1000		
BH	(60°-80°)	252.8	8.0	B1/500		G1/500
BVH	(80°-90°)	78.7	2.5			G1/100
UL	(90°-100°)	118.2	3.7		U3/500	
UH	(100°-180°)	92.2	2.9		U3/500	

BUG Rating: B1-U3-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	146.3	146.3	146.3	146.3	146.3	146.3	146.3	146.3	146.3	146.3	146.3
2.5°	170.6	169.1	168.3	167.9	165.2	162.5	159.4	156.4	152.9	152.1	149.0
5°	197.2	195.2	194.5	192.2	188.3	183.7	177.1	171.0	163.3	163.7	156.7
7.5°	227.6	226.1	223.7	220.3	214.5	208.3	198.7	189.5	179.1	177.9	167.9
10°	262.3	261.1	258.8	253.4	246.1	235.7	226.1	212.2	197.6	196.8	182.2
12.5°	303.9	302.3	295.8	290.4	280.7	271.1	256.5	239.9	224.1	222.2	204.1
15°	350.8	348.5	343.9	335.4	325.0	309.2	293.8	277.3	256.5	253.0	231.8
17.5°	399.0	399.0	393.2	383.2	368.9	355.1	338.1	317.3	291.1	290.8	262.6
20°	459.4	458.7	449.8	435.2	420.9	406.3	385.9	362.4	333.1	330.4	296.1
22.5°	524.9	524.1	513.3	497.6	479.1	458.3	435.6	410.9	378.9	375.5	335.4
25°	595.8	595.4	584.2	559.9	536.5	516.8	493.3	466.0	429.0	428.2	380.1
27.5°	682.0	677.8	660.5	630.8	601.2	575.7	548.4	523.7	486.8	481.0	427.5
30°	765.2	762.9	739.4	707.4	666.6	633.1	605.4	586.5	548.4	543.0	482.9
32.5°	851.1	849.5	821.1	784.1	733.6	692.0	670.5	650.1	613.5	611.2	537.6
35°	946.2	940.0	907.3	856.5	797.9	751.3	732.1	722.8	686.6	678.2	597.7
37.5°	1024.0	1019.4	989.7	927.7	858.8	808.7	794.1	787.9	756.7	753.3	662.8
40°	1099.1	1095.6	1059.4	992.4	913.9	863.8	849.2	859.6	834.5	829.1	728.2
42.5°	1153.4	1148.8	1115.3	1044.0	961.6	908.9	908.5	932.3	914.2	908.5	796.0
45°	1185.7	1181.1	1153.4	1084.8	999.0	948.1	957.0	999.0	993.6	986.6	858.0
47.5°	1188.8	1186.1	1166.1	1102.6	1021.7	978.9	1004.4	1064.4	1070.2	1063.7	924.3
50°	1160.7	1163.4	1150.7	1100.3	1029.8	999.0	1042.9	1126.4	1147.6	1139.9	990.1
52.5°	1107.6	1104.5	1109.9	1074.1	1021.3	1005.9	1069.1	1178.4	1217.3	1209.6	1051.0
55°	1019.0	1021.3	1040.2	1026.7	994.7	997.8	1084.8	1219.6	1280.5	1274.3	1106.0
57.5°	925.8	920.4	954.3	956.6	947.8	976.2	1086.8	1250.8	1336.3	1329.8	1153.4
60°	803.7	816.8	847.2	873.4	888.8	940.4	1074.1	1267.0	1377.1	1375.2	1191.5
62.5°	698.2	700.9	742.1	781.8	818.7	890.0	1046.0	1266.6	1403.7	1401.4	1214.2
64°	631.2	640.0	678.9	727.1	771.4	853.8	1022.8	1255.8	1408.0	1406.0	1218.1
65°	594.6	593.5	640.0	688.6	736.3	826.4	999.4	1244.3	1404.1	1404.1	1216.6
67.5°	494.1	497.9	538.8	594.6	653.5	754.0	939.3	1203.1	1378.7	1381.4	1194.2
70°	407.4	413.2	457.9	507.6	572.7	681.3	865.0	1128.8	1319.0	1322.8	1146.1
72.5°	336.2	342.7	375.5	425.5	497.6	604.6	781.0	1035.6	1234.7	1236.2	1065.6
75°	273.4	280.7	313.9	357.4	419.8	522.2	689.3	934.3	1111.8	1119.5	961.6
77.5°	222.6	230.3	260.7	300.0	359.3	446.7	598.5	817.2	981.3	985.9	842.6
80°	179.8	187.9	214.9	251.9	303.5	380.5	513.3	697.4	840.3	840.3	720.2
82.5°	146.0	152.9	177.1	209.1	256.1	321.2	431.3	579.6	694.7	695.1	595.0
85°	117.8	122.1	146.0	174.1	213.0	269.2	356.6	471.8	560.3	552.2	479.5
87.5°	94.7	98.6	118.6	146.0	176.8	224.5	292.7	384.0	440.6	443.3	382.8
90°	76.3	78.6	97.0	120.2	148.7	185.6	238.0	305.4	346.6	343.1	300.0
92.5°	62.0	64.7	80.5	101.3	125.2	156.0	196.0	241.8	268.4	269.2	234.5
95°	50.8	52.4	67.0	85.5	107.1	130.6	159.8	192.6	210.7	208.3	182.5
97.5°	42.4	43.1	56.6	73.2	90.9	110.1	133.2	153.3	163.3	161.7	142.9
100°	35.8	36.6	48.1	63.5	78.6	94.0	110.1	123.6	127.1	125.2	112.5
102.5°	31.2	31.6	41.2	55.1	67.8	80.5	91.7	100.1	99.7	99.7	89.0
105°	27.3	27.7	35.8	48.1	59.7	69.7	77.4	81.6	80.1	79.3	71.2
107.5°	24.6	25.0	31.6	42.4	52.8	60.5	66.2	67.4	64.3	63.5	57.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
110°	22.3	22.3	27.7	37.4	46.6	52.8	56.6	56.6	52.0	51.6	47.8
112.5°	20.4	20.8	25.0	33.1	41.2	46.6	48.9	47.0	42.7	42.4	40.4
115°	18.9	19.3	22.3	29.7	36.6	41.2	42.4	39.7	35.4	35.0	33.5
117.5°	17.7	18.1	20.4	26.2	32.7	36.2	36.6	33.9	29.7	29.3	28.9
120°	16.9	16.9	18.9	23.5	28.9	32.0	31.6	28.9	25.4	25.0	25.0
122.5°	16.2	16.2	17.3	20.8	25.4	28.1	27.7	24.6	21.6	21.6	21.6
125°	15.4	15.4	16.2	18.9	22.7	24.6	23.9	21.2	18.5	18.5	19.3
127.5°	14.6	14.6	15.0	16.6	20.0	21.2	20.4	17.7	16.2	16.2	16.6
130°	13.9	13.9	13.9	15.0	17.3	18.1	17.3	15.0	13.9	13.9	14.6
132.5°	13.1	13.1	13.1	13.1	14.6	15.4	14.2	12.3	11.9	12.3	12.7
135°	12.3	12.3	11.9	11.6	12.3	12.7	11.6	10.4	10.4	10.4	11.2
137.5°	11.6	11.2	10.8	10.4	10.0	10.0	9.2	8.1	8.9	8.9	9.6
140°	10.4	10.0	9.6	8.9	8.1	7.7	6.9	6.5	7.3	7.3	7.7
142.5°	9.2	8.9	8.5	7.3	6.2	5.4	4.6	5.0	5.8	5.8	6.2
145°	7.7	7.7	6.9	5.8	4.6	3.9	3.1	3.5	4.2	4.2	4.6
147.5°	6.5	6.2	5.8	4.6	3.1	2.3	1.5	2.3	3.1	3.1	3.5
150°	5.0	4.6	4.2	3.1	1.9	0.8	0.8	1.5	1.9	1.9	2.3
152.5°	3.5	3.5	3.1	1.9	0.8	0.0	0.4	0.8	1.2	1.2	1.5
155°	2.3	1.9	1.5	1.2	0.4	0.0	0.0	0.4	0.8	0.8	0.8
157.5°	1.2	1.2	0.8	0.8	0.0	0.0	0.0	0.0	0.4	0.4	0.4
160°	0.4	0.4	0.4	0.4	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°	146.3	146.3	146.3	146.3	146.3	146.3	146.3	146.3	146.3	146.3	146.3
2.5°	147.1	145.6	142.1	139.0	135.9	133.2	131.7	129.8	129.4	129.0	129.0
5°	152.5	149.0	142.1	135.6	129.4	124.4	120.5	116.7	114.8	114.0	113.6
7.5°	161.7	156.4	145.2	135.2	125.9	118.2	112.1	107.4	104.7	103.2	102.8
10°	174.5	166.8	151.3	137.5	125.2	115.1	107.4	102.1	98.6	97.0	96.7
12.5°	194.5	182.2	162.9	143.3	127.1	114.8	105.9	100.1	98.6	97.0	97.0
15°	217.2	204.9	178.3	154.0	133.2	117.1	109.4	105.5	103.2	102.1	101.7
17.5°	246.5	227.6	195.6	165.6	140.9	125.5	115.5	111.3	109.0	107.8	107.4
20°	276.5	254.2	214.9	178.3	151.3	135.6	123.6	117.1	114.8	113.6	113.2
22.5°	312.3	285.4	234.9	191.8	163.3	144.8	131.3	123.6	120.9	119.8	120.2
25°	348.9	320.0	256.5	206.0	174.5	152.5	138.6	129.8	127.9	126.3	126.3
27.5°	393.6	355.1	278.4	222.2	184.1	159.4	145.2	136.3	132.9	132.9	132.5
30°	440.6	392.4	302.3	236.1	192.6	165.6	150.2	142.1	138.6	138.3	138.3
32.5°	486.4	432.5	325.8	249.9	199.1	169.8	154.8	147.1	142.9	142.5	142.9
35°	539.9	473.3	347.8	261.1	204.9	173.3	158.3	151.3	146.7	146.3	146.3
37.5°	590.8	515.3	368.9	270.0	208.7	175.6	161.0	154.8	149.8	149.4	149.0
40°	643.9	554.9	388.2	277.3	210.7	177.1	162.5	157.1	152.5	151.0	151.0
42.5°	697.8	595.0	404.4	281.5	211.8	177.5	163.7	158.7	154.4	151.7	151.7
45°	748.3	629.3	417.8	283.8	211.8	177.9	164.4	159.8	156.0	152.5	152.1
47.5°	803.7	663.9	428.2	284.2	210.7	177.1	164.8	161.0	156.7	152.9	152.5
50°	852.2	696.7	434.8	283.1	209.1	176.8	165.2	161.4	157.9	153.3	153.3
52.5°	895.0	722.8	437.9	280.0	207.2	176.0	165.2	162.1	159.0	154.0	153.7
55°	932.7	743.3	437.5	275.4	204.1	174.8	164.8	162.1	159.8	154.4	154.4
57.5°	965.1	757.5	434.0	270.0	201.0	174.1	164.8	162.5	160.6	155.6	155.6
60°	987.0	765.6	427.1	263.4	197.9	172.5	164.4	162.9	161.7	156.7	157.1
62.5°	997.4	764.4	416.3	256.5	194.5	171.0	163.7	162.5	162.1	158.3	158.3
64°	996.7	759.0	409.0	251.5	192.2	170.2	163.3	162.1	162.5	159.0	159.0
65°	991.7	751.3	401.3	247.6	190.2	169.4	162.5	161.7	162.5	159.0	159.0
67.5°	967.4	727.5	381.6	238.0	185.2	166.0	160.2	159.8	161.0	158.7	158.3
70°	919.3	689.7	360.5	225.7	179.1	162.1	156.7	156.4	157.9	156.0	155.2
72.5°	853.8	637.4	334.7	213.0	171.8	156.7	152.1	151.7	152.5	151.3	150.2
75°	771.4	575.7	305.8	198.7	163.7	149.8	145.6	144.8	146.0	144.4	143.6
77.5°	679.7	507.6	275.4	183.7	153.3	142.1	137.9	136.7	136.7	134.8	132.9
80°	578.8	437.9	244.9	168.3	142.5	132.5	129.0	127.5	126.3	123.2	121.3
82.5°	483.3	372.4	213.7	152.5	130.9	122.1	118.6	116.7	114.0	110.1	107.4
85°	393.2	310.0	185.2	135.6	119.4	110.9	108.2	104.7	101.3	97.0	93.6
87.5°	315.8	253.8	159.8	120.5	106.3	99.7	96.7	92.0	88.6	84.0	80.9
90°	250.7	208.0	136.7	105.9	94.7	89.0	86.3	81.6	76.6	71.6	68.9
92.5°	202.2	169.4	117.8	93.6	84.7	79.7	76.3	71.6	65.9	60.8	58.9
95°	160.6	137.1	100.5	82.8	75.1	70.5	67.0	62.8	56.6	50.8	49.3
97.5°	127.1	112.8	85.9	72.8	66.6	62.8	58.9	55.1	48.9	43.1	42.4
100°	102.1	91.7	73.6	64.3	58.9	55.5	52.4	48.1	42.4	36.2	36.2
102.5°	82.4	75.9	63.2	56.6	52.4	49.3	46.2	42.4	36.6	31.2	30.8
105°	67.4	62.8	54.3	50.1	46.6	44.3	41.2	37.0	31.6	26.6	26.2
107.5°	56.2	52.0	47.0	44.3	41.6	39.3	37.0	32.7	27.3	23.1	23.1



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CATALOG NUMBER: LXF.LXT-PA1-30-730-U-T2R-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	46.2	44.7	40.8	38.9	37.4	35.0	32.7	28.5	23.5	20.4	20.4
112.5°	39.3	37.7	35.8	34.7	33.1	31.6	28.9	25.0	20.4	18.1	18.1
115°	33.1	32.3	31.2	30.4	29.7	28.1	25.4	21.6	17.3	15.8	16.2
117.5°	28.9	28.5	27.7	27.3	26.6	24.6	22.3	18.9	15.0	14.2	14.2
120°	25.0	25.0	24.3	24.3	23.5	22.0	19.3	16.2	13.1	12.7	12.7
122.5°	22.0	22.0	21.6	21.6	20.8	19.3	16.9	13.9	11.2	11.2	11.6
125°	19.3	19.3	18.9	18.9	18.5	16.9	14.6	11.9	10.0	10.0	10.0
127.5°	16.9	16.9	16.9	16.6	15.8	14.6	12.3	10.0	8.9	8.9	8.9
130°	15.0	15.0	14.6	14.6	13.9	12.3	10.4	8.5	7.3	8.1	8.1
132.5°	13.1	13.1	13.1	12.3	11.6	10.4	8.5	6.9	6.5	6.9	6.9
135°	11.2	11.6	11.2	10.8	10.0	8.5	6.9	5.8	5.8	6.2	6.2
137.5°	9.6	9.6	9.6	8.9	8.1	6.9	5.4	4.6	5.0	5.4	5.4
140°	8.1	8.1	7.7	7.3	6.5	5.4	4.2	3.5	4.2	4.6	4.6
142.5°	6.5	6.5	6.2	5.8	4.6	3.9	2.7	2.7	3.5	3.9	3.9
145°	5.0	5.0	4.6	4.2	3.5	2.3	1.9	2.3	3.1	3.1	3.1
147.5°	3.5	3.5	3.5	2.7	1.9	1.2	0.8	1.5	2.3	2.3	2.7
150°	2.3	2.3	2.3	1.9	1.2	0.4	0.4	1.2	1.5	1.9	1.9
152.5°	1.5	1.5	1.5	1.2	0.8	0.0	0.0	0.8	1.2	1.2	1.2
155°	0.8	0.8	0.8	0.8	0.4	0.0	0.0	0.4	0.8	0.8	0.8
157.5°	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.4	0.8	0.4	0.4
160°	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4	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)