

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: P414907

Luminaire Tested: **LXF.LXT-PA1-30-830-U-T4W-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414907
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-8)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-30-830-U-T4W-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2919 lumens
Efficiency: N/A
Efficacy: 94.2 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - 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

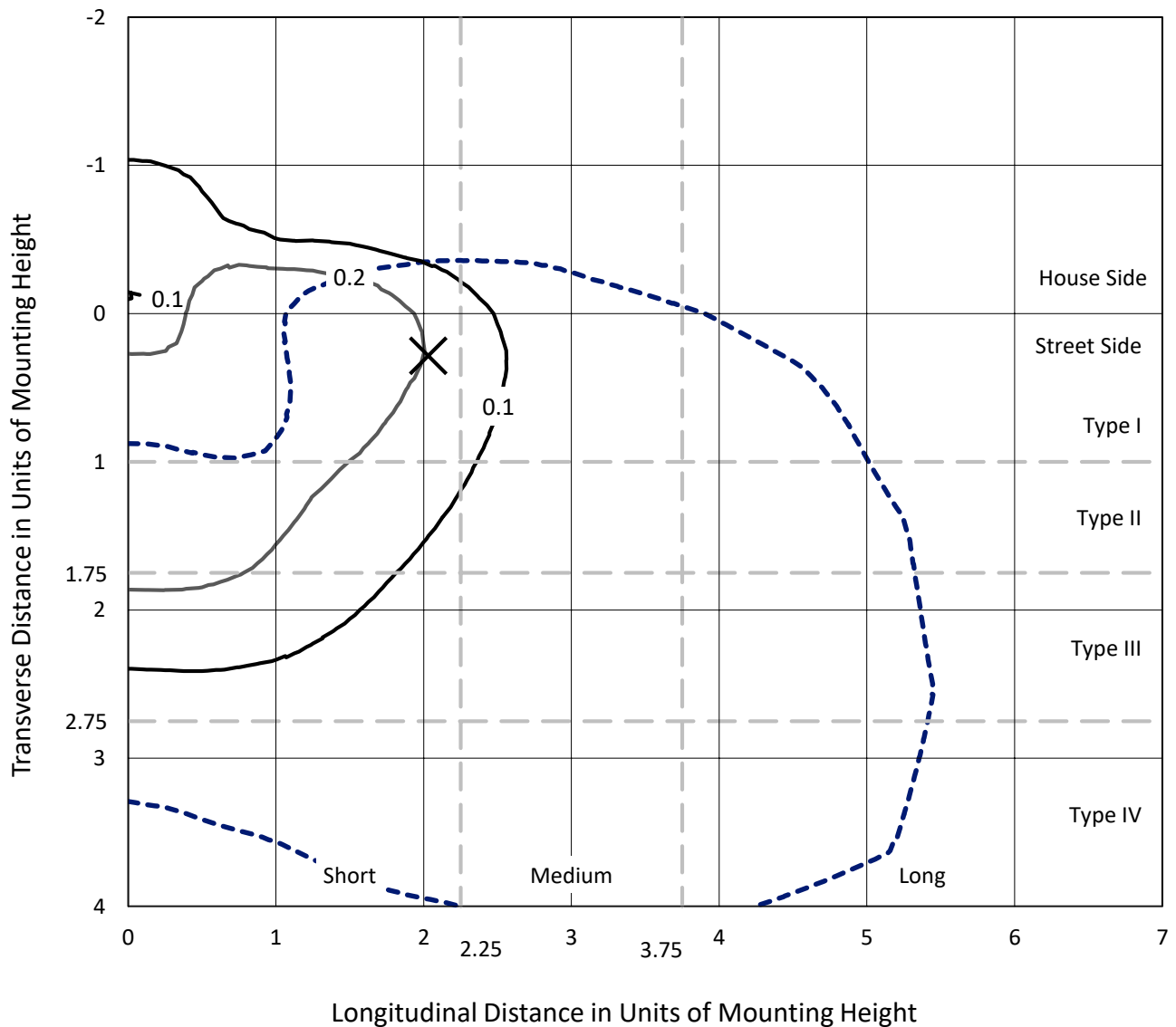


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

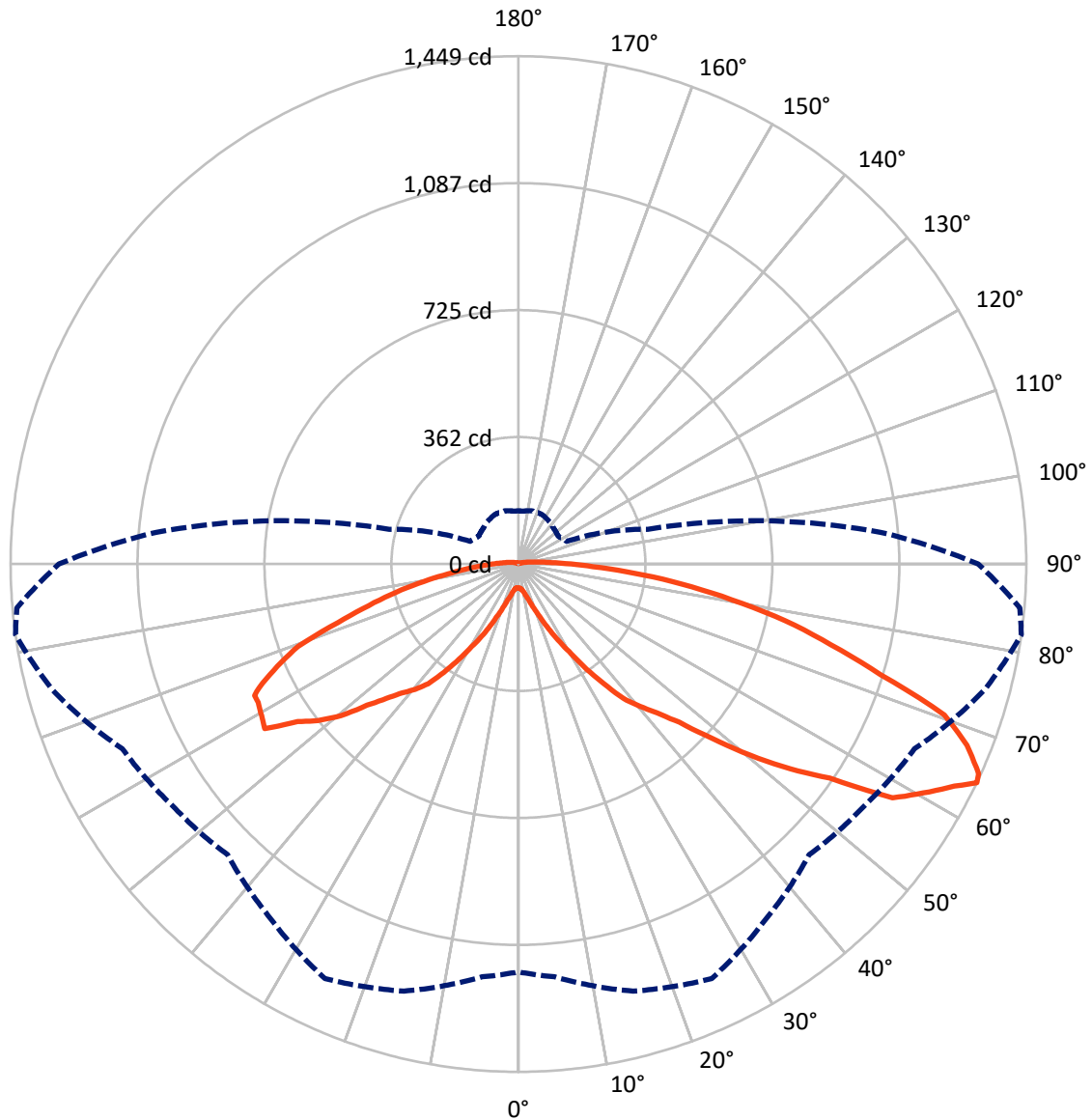


Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

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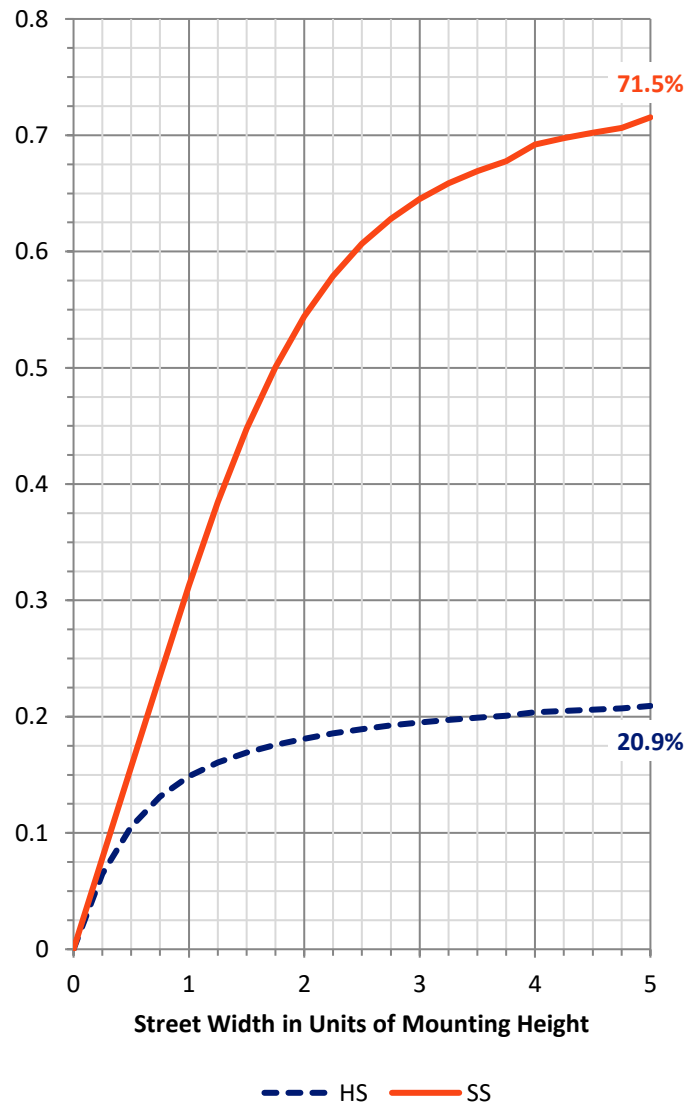
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	641.7	48.1	689.8
	% Fixture	22.0	1.6	23.6
Street Side	Lumens	2166.3	63.0	2229.2
	% Fixture	74.2	2.2	76.4
Total	Lumens	2807.9	111.1	2919.0
	% Fixture	96.2	3.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.0	0.2
10°-20°	30.0	1.0
20°-30°	86.5	3.0
30°-40°	198.6	6.8
40°-50°	348.9	12.0
50°-60°	560.4	19.2
60°-70°	752.2	25.8
70°-80°	575.1	19.7
80°-90°	249.1	8.5
90°-100°	70.0	2.4
100°-110°	21.2	0.7
110°-120°	9.3	0.3
120°-130°	5.3	0.2
130°-140°	3.2	0.1
140°-150°	1.4	0.0
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2807.9	96.2
0°-180°	2919.0	100.0



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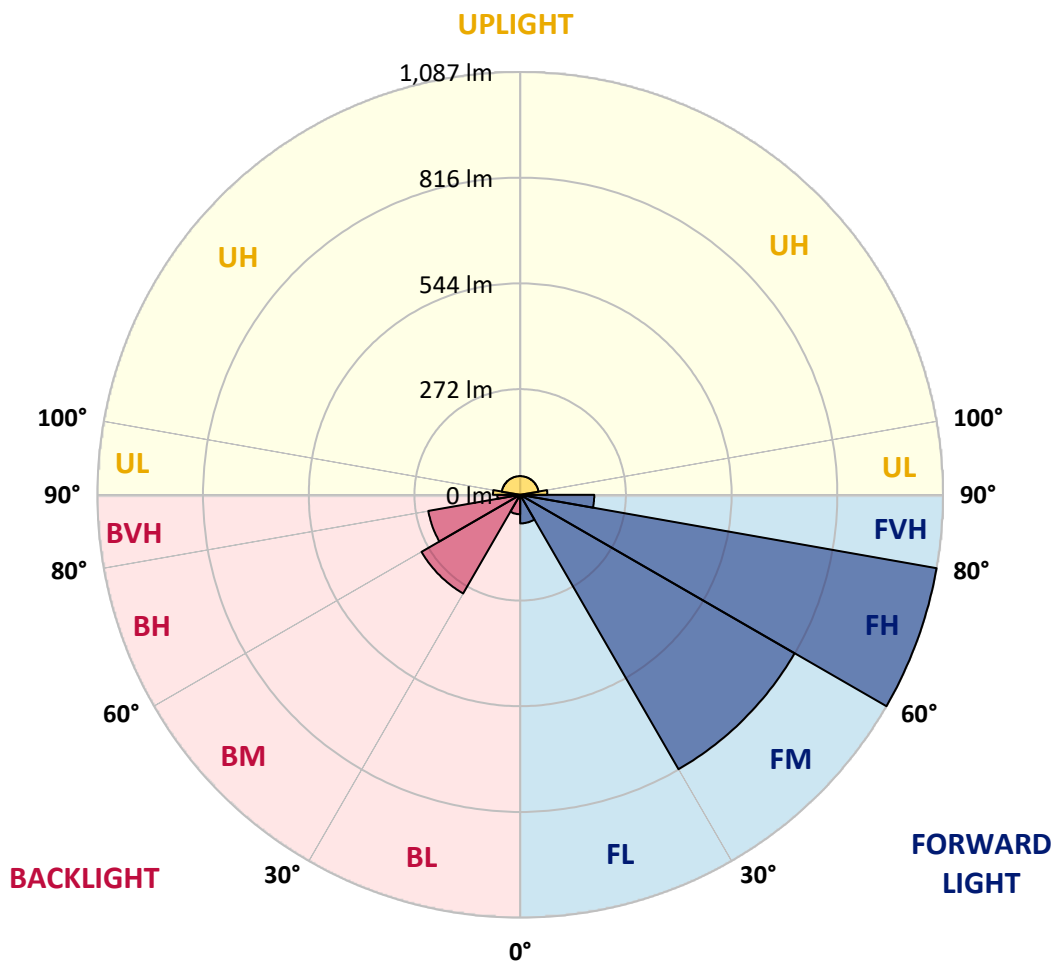
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	73.5	2.5			
FM	(30°-60°)	814.8	27.9			
FH	(60°-80°)	1087.5	37.3			G1/1800
FVH	(80°-90°)	190.4	6.5			G2/225
BL	(0°-30°)	50.1	1.7	B0/110		
BM	(30°-60°)	293.1	10.0	B1/1000		
BH	(60°-80°)	239.9	8.2	B1/500		G1/500
BVH	(80°-90°)	58.7	2.0			G1/100
UL	(90°-100°)	70.0	2.4		U3/500	
UH	(100°-180°)	48.1	1.6		U2/50	

BUG Rating: B1-U3-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
2.5°	73.2	72.9	72.9	73.2	73.2	72.6	71.2	70.2	69.2	68.9	68.5
5°	80.0	79.6	79.3	79.6	78.6	77.6	75.6	73.6	72.2	70.9	70.6
7.5°	89.0	88.7	88.4	87.7	86.3	84.3	81.3	78.6	76.3	74.6	73.9
10°	100.8	99.4	99.1	97.8	95.4	92.1	88.7	85.3	82.6	80.3	79.3
12.5°	116.9	116.9	114.2	111.2	107.2	102.1	97.8	95.1	92.4	91.0	89.0
15°	136.7	136.1	133.4	128.3	121.6	115.9	111.2	107.8	106.2	103.8	102.8
17.5°	158.6	157.2	154.9	147.1	139.1	133.0	127.7	124.3	123.3	121.3	120.9
20°	187.1	185.1	179.4	170.0	158.9	152.2	147.1	143.5	143.1	143.8	143.5
22.5°	221.1	219.7	212.7	195.5	183.1	173.4	166.6	167.3	171.7	173.7	171.0
25°	261.7	263.1	251.3	228.5	212.0	195.5	192.8	196.5	206.3	211.7	212.0
27.5°	309.8	309.4	294.0	268.8	243.2	224.8	220.4	231.1	244.9	252.6	252.6
30°	363.5	368.2	346.4	313.4	277.8	256.0	252.6	269.1	283.5	297.3	301.4
32.5°	435.1	434.1	405.8	366.2	318.8	287.9	285.2	306.1	338.6	357.8	357.8
35°	524.1	520.4	481.1	421.6	358.1	323.5	323.9	352.8	395.8	419.3	421.6
37.5°	600.7	603.7	564.1	491.8	408.9	364.2	368.2	407.2	458.9	486.5	495.9
40°	682.7	683.7	640.0	561.4	463.6	407.5	417.3	462.3	511.3	534.2	543.2
42.5°	754.9	760.9	717.3	631.3	519.1	460.6	465.3	504.6	553.3	580.5	593.3
45°	804.6	808.0	781.1	695.4	579.2	514.7	514.0	550.6	613.5	643.7	664.2
47.5°	872.1	881.2	842.6	759.9	641.0	569.8	564.1	611.1	693.8	742.8	760.3
50°	951.4	965.2	938.0	838.2	711.6	634.6	635.6	691.7	793.5	857.7	875.8
52.5°	1030.4	1035.8	1017.6	932.3	793.5	710.2	718.3	788.5	905.4	971.3	982.3
55°	1072.7	1080.4	1085.8	1018.3	892.0	799.9	814.0	898.7	1000.8	1078.1	1103.3
57.5°	1113.0	1123.8	1137.9	1091.9	989.7	910.8	924.6	999.8	1149.0	1259.2	1278.3
60°	1181.2	1190.6	1217.8	1180.2	1079.4	1016.6	1031.1	1136.9	1251.1	1327.0	1329.0
62.5°	1180.2	1195.0	1260.8	1270.3	1175.5	1118.4	1153.7	1210.8	1301.2	1396.6	1394.6
64°	1164.1	1182.6	1261.9	1305.5	1234.0	1173.5	1204.1	1247.1	1378.8	1449.3	1436.6
65°	1152.7	1173.2	1258.8	1314.6	1265.9	1204.7	1227.6	1277.3	1401.3	1443.3	1425.8
67.5°	1089.8	1112.7	1226.2	1313.6	1298.8	1253.8	1261.2	1307.5	1364.0	1380.4	1349.2
70°	977.3	989.4	1118.4	1258.5	1266.2	1223.2	1243.4	1267.2	1298.1	1290.1	1249.1
72.5°	771.4	796.2	926.6	1126.1	1170.1	1139.2	1147.0	1158.7	1127.5	1081.1	1032.4
75°	549.3	571.5	693.1	888.3	1019.0	1006.5	1017.3	998.5	963.9	921.5	873.8
77.5°	382.0	389.0	489.5	670.2	814.4	852.3	875.5	849.0	829.5	778.7	740.4
80°	247.3	259.0	322.2	485.5	645.4	723.0	760.3	743.1	697.8	616.8	573.1
82.5°	153.2	162.6	212.3	344.7	511.7	619.5	655.5	631.9	559.4	469.0	425.3
85°	87.7	89.7	124.3	224.4	373.9	492.2	540.2	502.6	418.3	330.9	292.6
87.5°	50.4	52.1	74.2	137.4	258.7	370.9	416.6	361.8	280.9	212.7	187.5
90°	32.3	34.3	48.0	89.7	166.6	265.1	298.7	248.3	188.1	134.7	118.6
92.5°	22.2	23.2	32.3	55.8	107.5	175.0	199.6	166.0	117.2	86.0	76.3
95°	16.1	16.8	22.8	38.0	69.2	109.9	123.3	105.2	76.9	57.1	51.1
97.5°	13.1	13.4	17.8	27.9	47.7	69.9	73.9	65.5	51.1	40.7	38.3
100°	11.1	11.4	14.8	21.5	33.9	45.7	46.7	44.0	35.9	30.2	28.9
102.5°	10.1	10.1	12.4	17.5	25.5	32.6	32.6	30.2	24.9	22.2	22.2
105°	9.1	9.1	10.8	14.4	20.2	25.2	24.9	22.2	18.8	16.8	17.1
107.5°	8.1	8.1	9.4	11.8	16.5	19.8	19.1	16.5	14.4	13.1	13.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
110°	7.4	7.4	8.4	10.1	13.8	16.5	15.5	12.8	10.8	10.8	11.1
112.5°	6.7	6.7	7.4	9.1	11.8	13.4	12.4	10.1	8.7	8.7	9.1
115°	6.0	6.0	6.7	8.1	10.4	11.4	10.4	8.1	7.1	7.4	8.1
117.5°	5.7	5.7	6.4	7.4	9.1	9.7	8.7	6.7	6.0	6.7	7.1
120°	5.4	5.4	6.0	7.1	8.4	8.7	7.4	6.0	5.4	6.0	6.4
122.5°	5.4	5.4	5.7	6.7	7.7	7.7	6.7	5.4	4.7	5.4	5.7
125°	5.4	5.4	5.7	6.4	7.1	7.1	6.0	4.7	4.4	5.0	5.0
127.5°	5.7	5.7	6.0	6.4	6.7	6.4	5.4	4.4	4.0	4.7	4.7
130°	5.7	5.7	5.7	6.0	6.0	5.7	4.7	4.0	4.0	4.4	4.7
132.5°	5.7	5.7	5.7	5.7	5.7	5.0	4.4	3.7	4.0	4.4	4.7
135°	5.4	5.4	5.4	5.4	5.0	4.4	3.7	3.0	3.7	4.0	4.0
137.5°	4.7	5.0	4.7	4.7	4.7	4.0	3.0	2.7	3.0	3.7	3.7
140°	4.4	4.4	4.4	4.4	4.0	3.4	2.7	2.0	2.4	3.0	3.0
142.5°	4.0	4.0	4.0	3.7	3.7	3.0	2.0	1.7	2.0	2.4	2.4
145°	3.4	3.4	3.4	3.4	3.0	2.4	1.7	1.3	1.7	2.0	2.0
147.5°	2.7	2.7	2.7	2.7	2.4	2.0	1.3	1.3	1.7	1.7	1.7
150°	2.0	2.4	2.4	2.4	2.0	1.7	1.0	1.0	1.3	1.7	1.7
152.5°	1.7	1.7	1.7	2.0	1.7	1.0	0.7	1.0	1.3	1.3	1.3
155°	1.0	1.3	1.3	1.3	1.3	1.0	0.7	1.0	1.0	1.3	1.3
157.5°	0.7	0.7	1.0	1.0	1.0	1.0	0.7	0.7	1.0	1.0	1.0
160°	0.3	0.3	0.7	1.0	1.0	1.0	0.7	0.7	1.0	1.0	1.0
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°	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
2.5°	68.2	67.9	67.2	66.5	66.2	66.2	65.5	65.2	64.2	64.2	63.8
5°	69.5	68.9	67.5	66.2	65.2	64.8	64.2	63.2	62.5	62.2	62.2
7.5°	72.6	71.6	68.9	67.2	65.8	64.8	64.2	63.2	62.5	62.2	62.2
10°	77.6	75.9	72.9	69.9	67.9	66.5	65.8	65.5	65.2	64.8	64.8
12.5°	87.3	85.0	80.0	76.3	72.2	70.2	69.5	70.2	71.9	72.6	72.9
15°	100.8	97.8	91.7	85.0	78.9	75.6	76.9	80.3	83.3	84.7	84.3
17.5°	117.6	112.9	105.5	96.4	88.0	86.3	87.7	91.4	95.7	97.8	97.4
20°	139.1	135.4	124.3	109.5	100.1	97.4	98.4	103.1	109.5	111.5	112.2
22.5°	168.7	163.3	146.1	125.6	113.2	108.2	109.2	115.2	124.0	128.7	129.7
25°	206.9	201.2	176.0	144.8	125.3	117.6	121.6	129.7	143.8	151.2	150.5
27.5°	251.3	241.6	208.6	168.3	139.4	127.3	133.4	146.5	161.3	170.7	170.0
30°	292.3	283.9	239.9	189.8	151.5	136.7	143.1	159.9	177.0	188.5	189.1
32.5°	353.8	338.3	276.5	208.3	161.3	144.5	150.5	171.0	190.8	204.6	204.3
35°	417.3	399.8	316.8	229.8	169.7	149.5	155.9	179.1	200.9	217.4	217.7
37.5°	484.1	459.6	352.8	243.9	176.4	152.5	158.9	184.8	212.7	231.5	232.1
40°	529.1	501.2	374.6	251.3	178.4	154.5	161.6	188.8	214.7	228.5	229.8
42.5°	579.5	540.2	386.0	245.2	176.0	154.2	162.3	185.8	205.9	215.7	216.7
45°	649.1	596.3	398.4	235.8	169.7	153.2	159.6	177.7	190.8	194.5	194.5
47.5°	739.4	664.5	419.3	225.8	162.9	150.2	154.9	166.6	171.7	171.0	169.3
50°	848.0	761.3	444.5	217.0	156.6	146.5	149.5	156.2	157.9	155.9	154.9
52.5°	956.1	839.2	461.9	209.3	152.5	143.1	145.1	150.2	150.2	144.1	143.1
55°	1055.2	909.8	457.2	194.5	149.5	141.4	143.5	147.1	144.1	137.1	135.7
57.5°	1215.5	1031.7	469.3	180.1	145.1	141.1	143.8	146.1	141.8	135.1	133.7
60°	1244.0	1026.7	440.8	171.0	142.1	142.1	145.1	147.8	144.8	138.8	138.4
62.5°	1283.7	1031.4	397.4	157.9	140.1	142.8	148.2	152.2	151.9	147.5	146.8
64°	1311.6	1038.1	382.0	151.9	138.4	142.8	150.5	156.6	156.6	151.5	151.5
65°	1284.0	1012.6	370.6	148.8	136.7	142.8	151.9	159.2	158.6	154.5	153.9
67.5°	1200.7	929.6	322.2	142.1	133.0	142.8	155.5	163.6	164.6	161.3	159.9
70°	1098.9	838.9	280.2	134.4	129.3	141.1	155.5	166.3	168.0	164.3	163.3
72.5°	895.7	674.6	231.1	126.0	124.0	137.1	153.5	165.0	166.6	162.3	160.9
75°	750.9	551.0	191.5	117.9	118.3	132.0	148.5	158.9	158.9	154.2	152.2
77.5°	618.5	444.8	158.6	110.2	111.5	125.6	139.4	146.1	144.1	139.8	137.1
80°	463.3	336.0	130.7	101.8	103.1	115.2	126.7	131.4	129.3	124.0	123.3
82.5°	339.0	241.6	111.5	93.1	94.1	103.8	112.2	116.2	117.9	113.6	112.2
85°	222.7	170.3	95.7	84.3	85.0	92.4	97.8	101.1	104.8	103.5	102.8
87.5°	145.5	117.9	81.0	74.2	74.9	81.0	84.7	88.0	95.4	96.4	95.1
90°	97.8	82.6	66.9	64.2	65.2	70.2	72.2	75.6	83.7	85.0	85.0
92.5°	65.5	59.1	54.1	54.1	55.8	60.1	60.5	61.5	68.2	69.9	69.2
95°	46.0	44.0	43.7	44.3	46.4	49.7	48.0	47.4	51.7	52.1	51.4
97.5°	35.3	34.6	35.3	36.3	37.3	40.7	39.0	37.3	39.3	38.6	39.3
100°	28.2	27.9	28.9	28.9	29.9	32.9	31.6	30.6	30.9	29.6	29.6
102.5°	22.5	22.5	23.5	23.9	24.5	26.9	26.5	25.5	24.9	23.5	23.9
105°	17.5	17.8	19.1	19.5	20.5	22.5	22.2	20.8	20.2	18.5	18.8
107.5°	14.1	14.8	15.8	16.1	17.1	18.8	18.1	16.8	15.8	15.1	15.1



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CATALOG NUMBER: LXF.LXT-PA1-30-830-U-T4W-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	11.8	12.1	13.1	13.4	14.4	15.8	15.5	13.8	12.4	12.1	12.4
112.5°	9.7	10.4	11.1	11.4	12.4	13.4	12.4	11.1	10.1	10.4	10.4
115°	8.4	8.7	9.4	9.7	10.4	11.4	10.4	9.1	8.4	8.7	9.1
117.5°	7.7	8.1	8.4	8.4	9.1	9.7	8.7	7.7	7.4	7.7	8.1
120°	6.7	7.1	7.4	7.7	8.1	8.4	7.7	6.7	6.4	7.1	7.1
122.5°	6.0	6.4	6.4	6.7	7.1	7.4	6.7	6.0	5.7	6.0	6.4
125°	5.4	5.7	6.0	6.0	6.4	6.4	6.0	5.4	5.4	5.7	5.7
127.5°	5.0	5.4	5.4	5.7	5.7	5.7	5.4	4.7	5.0	5.4	5.4
130°	5.0	5.0	5.0	5.0	5.0	5.0	4.7	4.4	4.7	5.0	5.0
132.5°	4.7	4.7	4.7	4.7	4.7	4.4	4.0	4.0	4.4	4.7	4.7
135°	4.4	4.4	4.0	4.0	4.0	4.0	3.7	3.7	3.7	4.0	4.0
137.5°	3.7	3.7	3.4	3.4	3.4	3.4	3.0	3.0	3.4	3.7	3.7
140°	3.0	3.0	2.7	2.7	2.7	2.7	2.7	2.7	3.0	3.0	3.4
142.5°	2.4	2.4	2.4	2.0	2.0	2.4	2.4	2.4	2.7	2.7	2.7
145°	2.0	2.0	2.0	1.7	1.7	2.0	2.0	2.0	2.4	2.4	2.4
147.5°	1.7	1.7	1.7	1.3	1.0	1.7	1.7	1.7	2.0	1.7	1.7
150°	1.7	1.7	1.3	1.0	1.0	1.0	1.3	1.3	1.3	1.3	1.3
152.5°	1.3	1.3	1.3	1.0	0.7	0.7	1.0	1.3	1.0	1.0	1.0
155°	1.3	1.3	1.0	1.0	0.7	0.3	0.7	1.0	0.7	0.7	0.7
157.5°	1.0	1.0	1.0	0.7	0.3	0.3	0.7	0.7	0.3	0.3	0.3
160°	1.0	1.0	0.7	0.7	0.3	0.3	0.7	0.7	0.3	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)