

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: P415316

Luminaire Tested: **LXF.LXT-PA1-40-830-U-T3-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415316
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-17)
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-T3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3700 lumens
Efficiency: N/A
Efficacy: 92.5 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

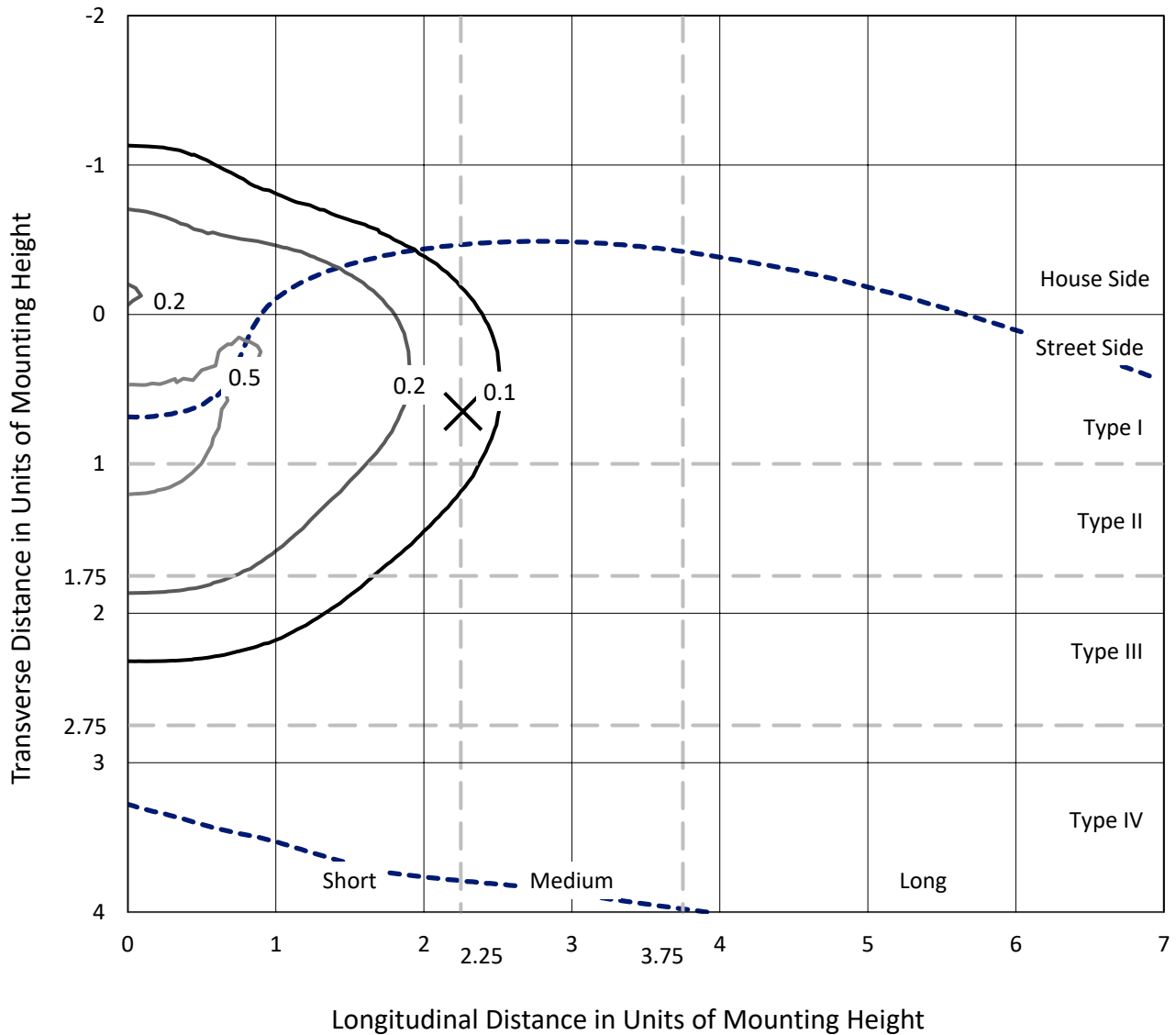
Input Watts (W): 40
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

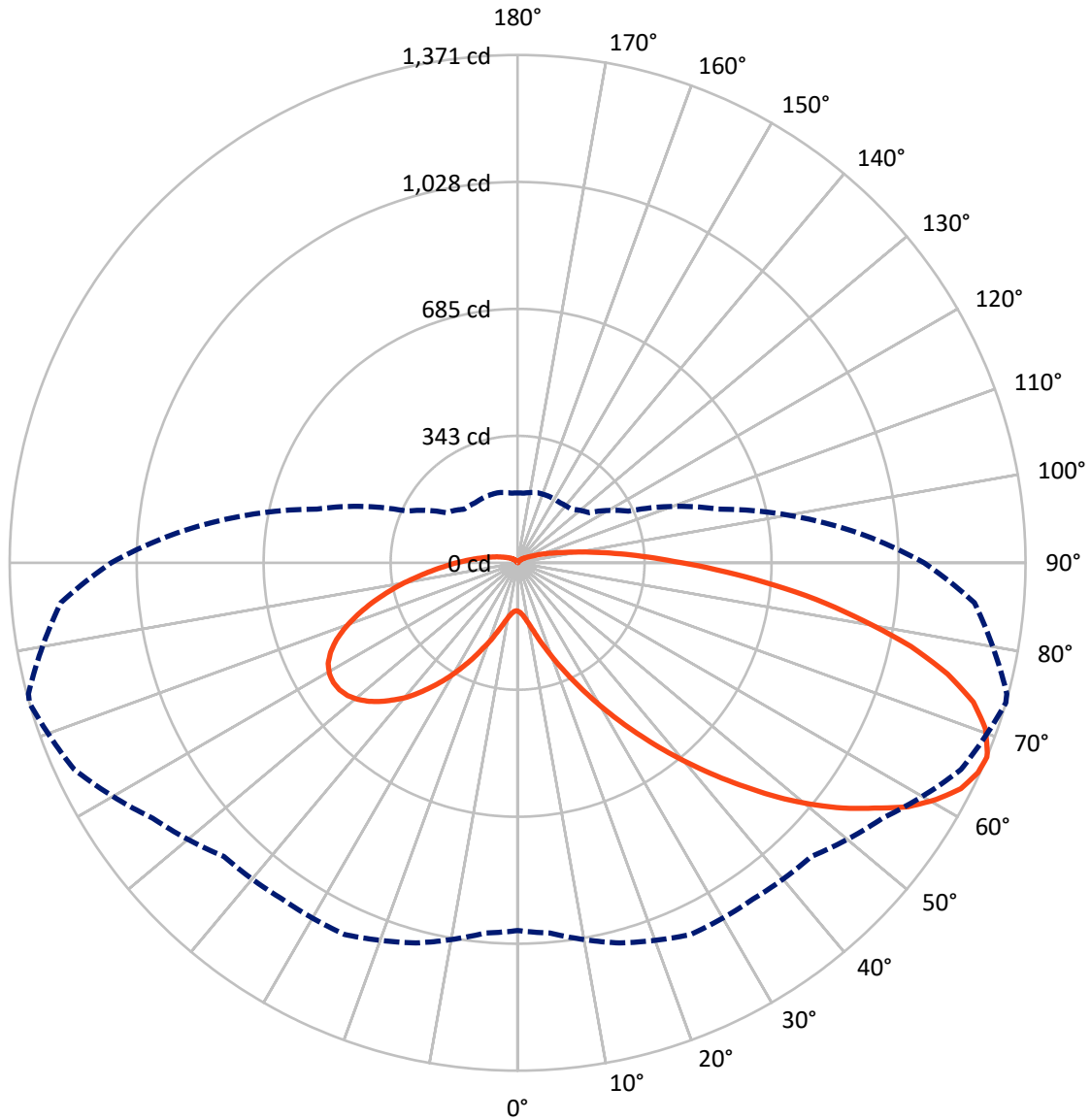
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 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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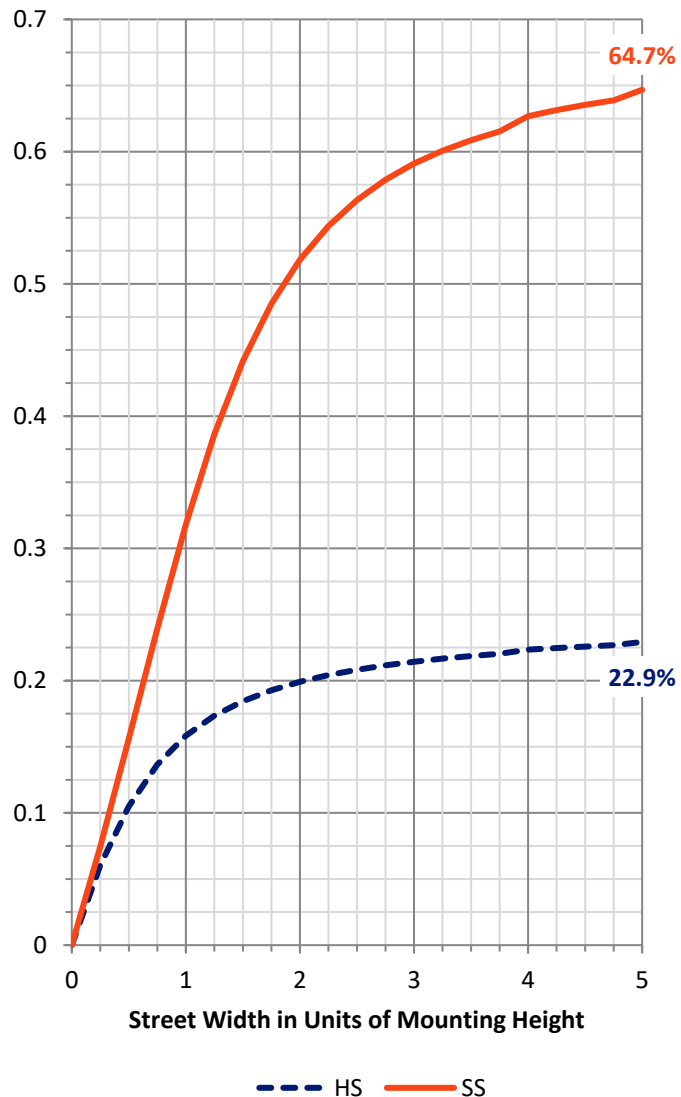
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	891.9	110.3	1002.2
	% Fixture	24.1	3.0	27.1
Street Side	Lumens	2505.7	192.1	2697.8
	% Fixture	67.7	5.2	72.9
Total	Lumens	3397.6	302.4	3700.0
	% Fixture	91.8	8.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.7	0.4
10°-20°	56.8	1.5
20°-30°	143.7	3.9
30°-40°	288.4	7.8
40°-50°	484.1	13.1
50°-60°	679.1	18.4
60°-70°	759.1	20.5
70°-80°	619.3	16.7
80°-90°	353.5	9.6
90°-100°	161.6	4.4
100°-110°	73.9	2.0
110°-120°	36.5	1.0
120°-130°	18.5	0.5
130°-140°	8.6	0.2
140°-150°	2.8	0.1
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3397.6	91.8
0°-180°	3700.0	100.0

Coefficient of Utilization



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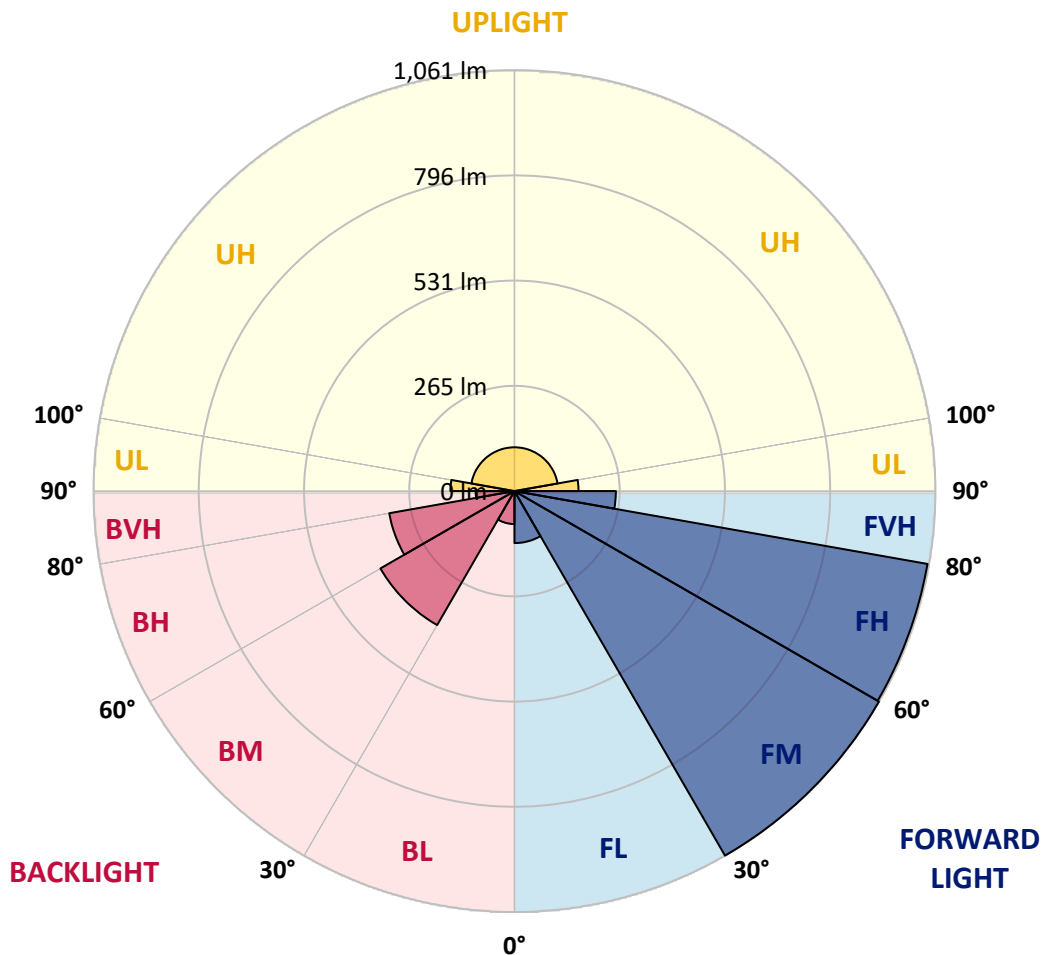
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	131.1	3.5			
FM (30°-60°)	1061.4	28.7			
FH (60°-80°)	1057.6	28.6			G1/1800
FVH (80°-90°)	255.6	6.9			G3/500
BL (0°-30°)	83.1	2.2	B0/110		
BM (30°-60°)	390.2	10.5	B1/1000		
BH (60°-80°)	320.7	8.7	B1/500		G1/500
BVH (80°-90°)	97.9	2.6			G1/100
UL (90°-100°)	161.6	4.4		U3/500	
UH (100°-180°)	110.3	3.0		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°	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5
2.5°	141.8	141.0	141.0	140.1	139.7	137.9	136.6	134.9	134.0	133.6	132.3
5°	154.9	153.6	153.6	152.7	151.0	148.8	145.7	144.0	141.0	141.4	137.5
7.5°	170.5	170.1	169.2	167.5	165.3	162.7	159.7	155.8	152.3	152.3	147.5
10°	191.4	188.8	188.8	186.6	184.5	180.6	176.2	171.9	167.1	166.6	160.1
12.5°	216.7	216.2	213.6	210.6	207.1	203.2	196.2	191.9	187.1	186.6	179.7
15°	246.2	244.9	241.5	240.2	234.9	228.0	222.3	218.0	213.2	211.4	202.3
17.5°	281.1	279.3	278.0	271.5	267.1	261.5	255.0	249.3	241.0	240.2	230.2
20°	322.0	318.0	314.1	308.9	301.9	296.7	289.8	284.5	275.0	275.0	261.5
22.5°	365.0	364.2	360.7	352.0	342.4	337.2	330.7	320.2	312.4	310.2	295.4
25°	417.2	416.4	409.4	400.3	390.3	382.4	372.0	360.7	354.1	353.7	337.2
27.5°	476.4	477.7	465.5	453.8	440.3	427.7	416.4	410.7	402.0	400.7	381.6
30°	547.8	542.1	529.5	512.5	493.8	477.7	466.0	460.3	454.6	454.2	431.2
32.5°	620.4	613.9	603.0	579.5	553.4	528.6	523.0	518.2	511.6	508.2	485.1
35°	700.9	695.7	680.0	649.1	614.3	587.3	575.6	576.5	573.4	571.7	543.8
37.5°	789.7	780.5	759.2	729.2	677.8	648.7	635.2	642.6	640.9	637.4	608.2
40°	873.2	871.9	849.3	802.7	750.9	709.6	700.5	713.1	710.9	706.6	674.4
42.5°	969.8	960.2	935.0	882.8	820.1	774.4	764.4	783.1	785.7	786.6	743.5
45°	1052.4	1048.1	1024.2	964.1	891.9	842.3	834.0	854.0	862.7	863.6	816.2
47.5°	1132.9	1131.2	1106.8	1044.6	961.9	909.3	898.4	927.1	945.4	941.5	885.4
50°	1193.4	1196.4	1176.9	1117.7	1031.5	968.9	971.5	1006.7	1023.7	1021.5	959.3
52.5°	1245.2	1240.8	1232.6	1176.4	1086.8	1029.4	1032.4	1074.6	1099.9	1098.5	1029.4
55°	1264.3	1263.0	1263.9	1218.2	1132.0	1079.0	1088.1	1147.7	1168.6	1166.0	1086.4
57.5°	1260.4	1259.5	1273.0	1243.0	1168.6	1118.1	1139.0	1207.8	1242.1	1238.6	1146.4
60°	1230.8	1226.9	1256.0	1245.2	1183.4	1142.5	1179.0	1260.4	1297.4	1296.5	1195.6
62.5°	1164.2	1170.3	1210.8	1220.8	1179.0	1155.1	1203.0	1301.3	1342.6	1339.6	1230.8
65°	1071.6	1086.8	1135.5	1170.3	1149.5	1143.8	1211.7	1319.6	1365.2	1364.8	1243.4
67°	992.4	1002.8	1062.0	1106.4	1107.7	1120.7	1201.7	1320.0	1370.5	1366.6	1237.3
67.5°	964.5	978.5	1038.5	1092.5	1098.1	1114.2	1197.7	1319.1	1367.0	1364.8	1234.3
70°	838.4	854.5	920.2	988.0	1022.8	1057.7	1162.1	1294.8	1339.1	1334.4	1199.1
72.5°	710.5	733.1	795.3	875.8	926.7	984.1	1100.3	1233.9	1286.1	1276.1	1130.3
75°	587.8	603.0	663.5	750.5	816.6	894.5	1015.9	1151.6	1198.6	1190.3	1042.9
77.5°	468.6	482.5	540.8	628.2	703.1	790.5	917.1	1048.5	1085.1	1080.3	931.9
80°	369.8	379.8	435.9	513.8	590.8	684.4	804.4	921.9	945.8	949.3	809.7
82.5°	284.5	297.6	346.3	415.1	487.7	576.9	681.3	785.3	811.8	803.1	684.4
85°	217.5	228.4	271.9	330.2	402.9	478.1	571.2	656.5	668.3	658.3	554.7
87.5°	170.1	178.4	212.3	268.9	326.7	391.1	465.5	530.8	536.9	535.1	444.2
90°	131.8	139.2	167.5	212.3	265.4	320.6	378.9	424.6	421.6	424.2	350.2
92.5°	103.5	107.5	133.1	172.7	217.1	261.5	305.9	336.3	335.9	328.5	273.2
95°	84.0	86.1	108.3	141.4	177.1	212.3	245.4	265.0	264.1	256.3	213.2
97.5°	67.9	69.2	88.3	116.2	146.2	173.6	197.5	211.4	204.5	201.4	167.1
100°	55.7	56.6	73.1	97.0	121.8	145.3	162.3	167.9	158.4	156.6	131.4
102.5°	47.4	47.9	61.8	82.2	101.8	119.6	132.3	134.9	123.6	124.4	103.5
105°	40.5	40.9	51.8	70.0	86.6	100.1	109.2	107.9	98.8	97.5	82.7
107.5°	35.2	35.7	44.4	60.0	74.4	85.7	90.5	87.4	79.2	77.4	66.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	30.9	31.3	38.3	51.3	64.0	73.5	76.1	71.4	64.0	62.2	54.8
112.5°	27.8	27.8	33.5	44.4	55.7	63.5	64.4	59.6	51.3	50.5	45.7
115°	25.2	25.2	29.6	38.3	48.3	54.4	54.4	48.7	42.2	41.8	38.3
117.5°	23.1	23.1	26.1	33.5	41.8	47.0	46.1	40.9	35.2	34.8	33.1
120°	21.3	21.3	23.5	29.1	36.1	40.0	39.2	33.9	29.6	29.1	28.3
122.5°	19.6	20.0	21.3	25.7	31.3	34.4	33.5	29.1	25.2	24.8	24.8
125°	18.3	18.3	19.1	22.2	27.0	29.6	28.3	23.9	21.3	21.3	21.3
127.5°	17.0	17.0	17.4	19.6	23.1	24.8	23.5	20.0	18.7	18.3	18.7
130°	15.7	15.7	16.1	17.0	19.6	20.4	19.1	17.0	15.7	15.7	16.1
132.5°	14.4	14.4	14.4	14.8	16.1	17.0	15.7	13.9	13.5	13.5	13.9
135°	13.1	13.5	13.1	13.1	13.5	13.5	12.2	11.3	11.3	11.7	12.2
137.5°	11.7	11.7	11.3	10.9	10.9	10.4	9.6	9.1	9.6	9.6	10.0
140°	10.4	10.4	10.0	9.1	8.3	7.8	7.4	7.0	7.8	7.8	8.3
142.5°	9.1	9.1	8.3	7.4	6.1	5.2	4.8	5.2	6.1	6.1	6.5
145°	7.4	7.4	7.0	6.1	4.4	3.5	3.0	3.9	4.4	4.4	4.8
147.5°	6.1	5.7	5.2	4.4	3.0	2.2	1.7	2.6	3.0	3.0	3.5
150°	4.4	4.4	3.9	3.0	1.7	0.9	0.9	1.3	1.7	1.7	2.2
152.5°	3.0	3.0	2.6	1.7	0.9	0.0	0.4	0.9	0.9	0.9	1.3
155°	1.7	1.7	1.7	1.3	0.4	0.0	0.0	0.4	0.4	0.4	0.9
157.5°	0.9	0.9	0.9	0.9	0.4	0.0	0.0	0.0	0.4	0.4	0.4
160°	0.4	0.4	0.9	0.4	0.4	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°	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5
2.5°	131.4	130.5	129.7	128.3	127.5	126.6	125.7	125.3	125.3	124.9	125.3
5°	136.2	134.9	132.3	130.1	127.5	125.7	124.0	123.1	122.3	121.8	121.8
7.5°	144.9	143.1	138.8	134.9	131.0	127.9	125.7	123.6	122.7	122.3	122.3
10°	157.5	154.9	148.4	142.7	137.0	133.1	129.2	127.0	125.7	124.9	124.9
12.5°	175.3	171.0	162.7	153.1	145.7	140.5	135.7	133.6	133.1	133.1	133.1
15°	199.3	193.2	180.6	169.2	158.4	149.2	145.7	145.7	145.3	144.9	145.3
17.5°	224.1	217.1	201.4	187.1	173.6	164.5	158.8	157.5	157.1	156.6	157.1
20°	253.6	244.9	226.7	207.1	190.1	181.4	173.6	170.1	169.7	170.1	169.2
22.5°	287.1	277.6	250.6	227.1	208.4	196.2	187.1	182.3	183.2	183.2	182.7
25°	327.6	312.8	281.1	249.3	226.7	209.7	199.3	194.5	194.9	195.8	196.7
27.5°	368.5	351.5	311.1	272.4	242.8	223.2	211.0	205.8	205.4	208.0	207.5
30°	416.4	394.6	344.1	295.8	257.6	232.8	220.1	215.8	215.4	217.5	218.0
32.5°	467.7	440.7	378.5	319.3	270.6	241.0	226.7	223.6	222.8	224.9	225.4
35°	523.8	489.5	412.0	339.8	281.5	246.7	231.9	228.4	227.1	229.3	230.2
37.5°	578.2	538.2	446.4	358.1	290.2	250.2	234.1	231.5	229.7	231.0	231.5
40°	635.6	593.0	481.2	374.6	295.4	251.9	234.9	232.3	230.6	230.6	230.6
42.5°	698.7	643.5	509.5	386.3	298.5	251.5	234.1	231.0	228.8	227.1	227.1
45°	763.5	697.9	538.6	395.9	298.9	249.3	231.9	229.3	225.8	222.3	221.9
47.5°	826.6	747.0	564.3	401.1	297.6	246.2	228.8	225.4	222.3	217.1	217.1
50°	888.0	796.2	585.6	403.7	293.7	242.8	225.8	222.3	218.4	211.4	210.6
52.5°	944.1	841.0	601.7	402.9	288.0	238.0	221.9	218.8	214.1	205.8	205.8
55°	999.4	882.3	611.7	397.2	281.1	232.8	218.4	215.4	210.1	201.4	200.6
57.5°	1044.6	911.9	615.6	388.5	273.2	227.1	214.9	211.9	207.1	197.5	197.5
60°	1082.9	936.7	613.0	377.2	264.5	221.9	210.6	208.8	204.5	195.3	195.3
62.5°	1105.1	946.7	603.0	362.8	254.5	216.2	206.7	205.8	201.9	193.2	193.2
65°	1109.9	940.2	582.6	345.0	244.5	209.7	202.3	201.9	199.3	191.0	190.1
67°	1096.8	923.2	559.9	329.8	235.8	204.5	198.4	198.4	196.2	188.8	188.4
67.5°	1092.0	916.7	553.8	325.9	234.1	203.6	197.5	198.0	195.8	188.4	187.1
70°	1050.3	872.7	516.4	303.7	221.9	195.8	191.9	192.3	190.6	184.9	183.6
72.5°	985.4	809.7	472.5	282.4	209.7	187.9	184.0	185.8	184.0	179.7	177.1
75°	898.0	732.7	426.8	258.0	197.5	178.4	175.8	176.6	176.2	171.9	169.7
77.5°	794.9	647.8	378.1	235.4	184.0	168.8	166.2	167.5	166.6	162.7	160.1
80°	683.1	558.2	331.1	212.7	170.1	157.9	155.3	155.8	155.3	151.4	147.9
82.5°	573.4	470.3	283.2	190.6	156.6	146.2	143.1	142.7	141.8	137.5	134.9
85°	473.4	386.3	241.9	169.2	142.7	133.1	130.5	128.8	127.5	122.7	120.9
87.5°	377.2	315.9	204.5	151.0	128.8	120.9	117.5	114.4	112.2	107.9	106.2
90°	301.1	254.5	174.5	132.3	116.2	109.2	104.4	100.5	97.9	93.1	90.5
92.5°	238.9	202.7	146.6	116.2	104.0	97.9	93.5	88.8	85.3	79.2	77.9
95°	189.3	163.2	123.6	101.8	92.2	87.0	83.1	77.9	73.1	67.0	65.7
97.5°	149.7	133.1	104.0	89.2	81.4	77.0	73.1	67.9	62.6	56.6	55.7
100°	119.6	107.0	89.2	77.9	72.7	68.3	64.4	59.6	53.1	47.0	47.0
102.5°	96.2	87.9	74.8	68.3	64.0	60.5	57.0	52.2	45.2	38.7	38.7
105°	77.9	72.7	64.4	59.6	56.6	53.9	50.5	44.8	37.9	32.6	32.6
107.5°	64.0	60.0	55.3	51.8	50.0	47.4	44.4	38.7	32.2	27.4	27.4



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CATALOG NUMBER: LXF.LXT-PA1-40-830-U-T3-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	53.1	50.5	47.0	45.7	44.4	42.2	38.7	33.5	27.0	23.5	23.5
112.5°	44.4	43.1	40.5	40.0	39.2	37.4	33.9	28.7	22.6	20.4	20.4
115°	37.9	37.0	35.2	35.2	34.4	33.1	29.6	24.8	19.6	17.4	17.8
117.5°	32.2	31.8	30.9	30.9	30.5	29.1	25.7	21.3	16.5	15.7	15.7
120°	28.3	27.8	27.4	27.0	27.0	25.2	22.2	17.8	14.4	13.9	13.9
122.5°	24.4	24.4	23.9	23.9	23.5	21.8	19.1	15.2	12.6	12.2	12.2
125°	21.3	21.3	20.9	20.9	20.4	19.1	16.5	13.1	10.9	10.9	10.9
127.5°	18.7	18.7	18.3	18.3	17.8	16.1	13.9	10.9	9.6	9.6	10.0
130°	16.5	16.5	16.1	15.7	15.2	13.9	11.3	9.1	8.3	8.7	8.7
132.5°	14.4	13.9	13.9	13.5	12.6	11.3	9.6	7.8	7.4	7.8	7.8
135°	12.2	12.2	11.7	11.3	10.4	9.6	7.8	6.5	6.5	7.0	7.0
137.5°	10.4	10.4	10.0	9.1	8.7	7.4	6.1	5.2	5.7	6.1	6.1
140°	8.3	8.7	8.3	7.4	6.5	5.7	4.8	4.4	4.8	5.2	5.7
142.5°	7.0	7.0	6.5	5.7	4.8	3.9	3.5	3.5	4.4	4.8	4.8
145°	5.2	5.2	4.8	4.4	3.0	2.6	2.2	3.0	3.5	3.9	3.9
147.5°	3.5	3.5	3.5	2.6	1.7	1.3	1.3	2.2	3.0	3.0	3.0
150°	2.2	2.2	2.2	1.7	0.9	0.4	0.9	1.7	2.2	2.6	2.6
152.5°	1.3	1.3	1.3	0.9	0.4	0.0	0.4	1.3	1.7	1.7	1.7
155°	0.9	0.9	0.9	0.4	0.4	0.0	0.4	0.9	1.3	1.3	1.3
157.5°	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.9	0.9	0.9	0.9
160°	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.9	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

(END OF REPORT)