

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: P414701

Luminaire Tested: **LXF.LXT-PA1-30-740-U-T4W-FL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414701  
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-PA1-30-740-U-T4W-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 375mA 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: 3563 lumens  
Efficiency: N/A  
Efficacy: 114.9 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): 31  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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

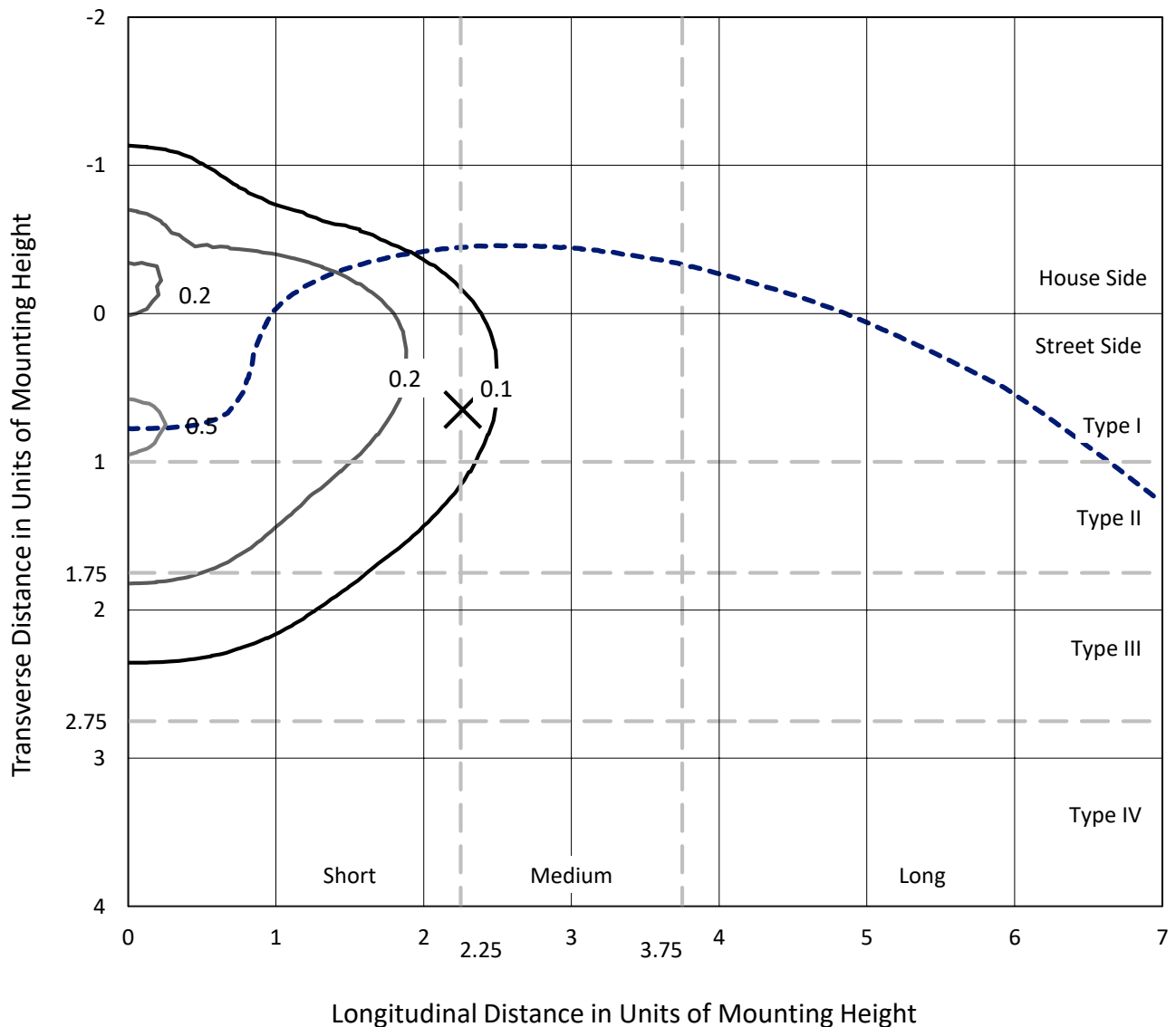


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

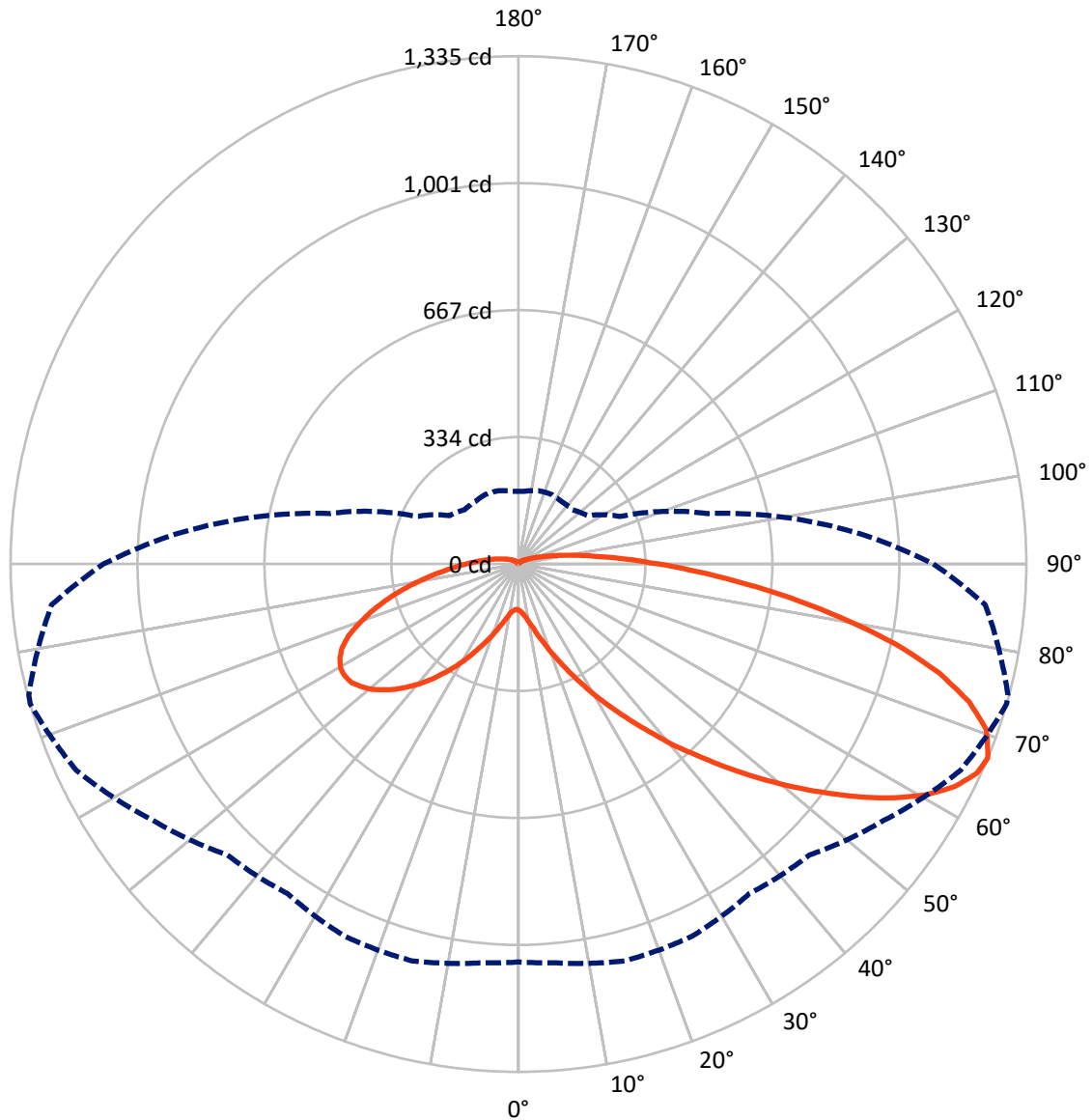


Based on 25 foot mounting height. Maximum calculated value = 0.5 fc  
 Type IV - Medium - Non-Cutoff

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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
<b>House Side</b>	Lumens	830.8	99.9	930.7
	% Fixture	23.3	2.8	26.1
<b>Street Side</b>	Lumens	2404.5	227.8	2632.3
	% Fixture	67.5	6.4	73.9
<b>Total</b>	Lumens	3235.3	327.7	3563.0
	% Fixture	90.8	9.2	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	12.7	0.4
10°-20°	51.9	1.5
20°-30°	128.9	3.6
30°-40°	251.8	7.1
40°-50°	416.4	11.7
50°-60°	603.6	16.9
60°-70°	730.5	20.5
70°-80°	649.4	18.2
80°-90°	390.1	10.9
90°-100°	179.1	5.0
100°-110°	79.7	2.2
110°-120°	38.1	1.1
120°-130°	18.9	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°	3235.3	90.8
0°-180°	3563.0	100.0



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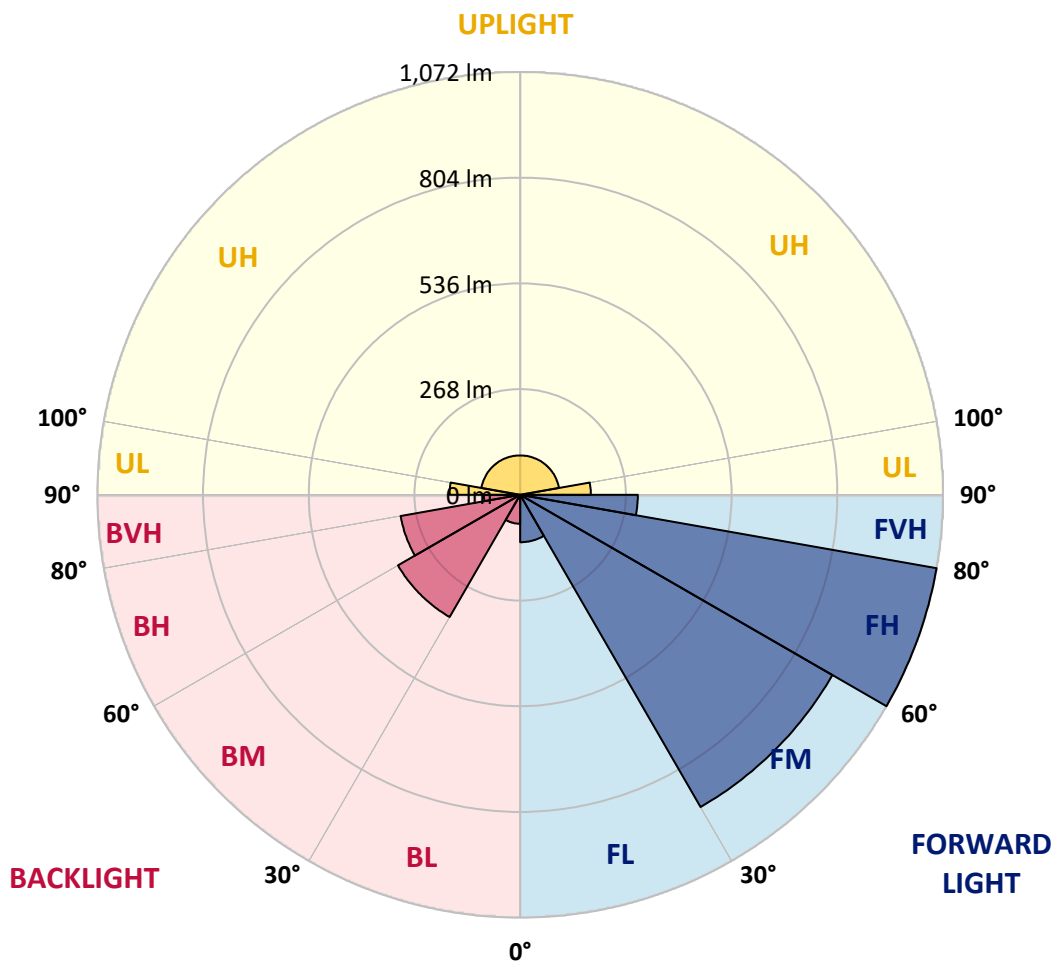
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	120.1	3.4			
FM	(30°-60°)	914.1	25.7			
FH	(60°-80°)	1072.0	30.1			G1/1800
FVH	(80°-90°)	298.2	8.4			G3/500
BL	(0°-30°)	73.4	2.1	B0/110		
BM	(30°-60°)	357.6	10.0	B1/1000		
BH	(60°-80°)	307.9	8.6	B1/500		G1/500
BVH	(80°-90°)	91.9	2.6			G1/100
UL	(90°-100°)	179.1	5.0		U3/500	
UH	(100°-180°)	99.9	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°	121.4	121.4	121.4	121.4	121.4	121.4	121.4	121.4	121.4	121.4	121.4
2.5°	134.0	132.8	132.8	131.9	131.5	130.2	129.4	126.4	125.2	125.2	123.0
5°	148.4	147.6	145.9	145.9	144.2	142.5	139.1	135.3	132.3	131.9	128.1
7.5°	166.2	164.1	164.1	161.9	159.4	156.4	151.8	146.7	142.1	141.6	135.7
10°	186.5	185.6	184.8	181.8	178.4	172.5	168.3	161.1	155.6	155.2	147.1
12.5°	211.4	210.1	207.6	204.6	198.7	194.5	186.9	178.9	171.7	172.1	162.8
15°	238.5	237.6	235.9	231.3	224.5	218.6	211.0	202.5	195.3	192.4	182.7
17.5°	269.3	267.7	265.5	260.5	252.9	246.9	236.8	228.8	219.4	219.9	205.9
20°	305.7	304.0	301.1	293.0	286.3	278.2	267.7	258.8	248.2	247.4	233.4
22.5°	341.6	342.5	335.3	326.8	320.5	311.2	301.1	289.6	280.3	279.5	263.4
25°	386.0	383.1	375.9	366.2	356.4	345.0	336.1	326.0	317.1	316.3	297.2
27.5°	432.6	430.0	420.3	408.0	394.9	382.2	374.6	364.1	357.3	356.0	336.6
30°	483.3	479.1	470.2	453.7	435.5	421.1	413.5	409.7	403.4	401.7	381.8
32.5°	540.4	534.9	521.8	501.9	475.7	459.6	456.2	452.8	450.3	447.8	429.2
35°	597.0	595.3	575.9	551.4	525.6	504.4	498.5	504.0	502.3	500.6	480.8
37.5°	656.7	659.6	638.5	606.3	570.8	548.4	544.2	554.3	559.0	559.0	535.3
40°	726.8	724.3	703.2	663.8	622.4	596.2	597.5	612.7	624.1	621.6	598.3
42.5°	796.6	791.1	763.2	724.7	672.3	646.1	646.1	669.3	686.7	687.1	662.6
45°	865.1	859.2	833.0	782.7	725.6	697.2	703.2	731.5	759.8	756.0	731.9
47.5°	927.7	925.1	898.1	844.4	780.1	750.5	762.4	804.6	835.5	835.5	808.9
50°	989.0	985.6	960.2	899.8	835.1	805.9	823.7	875.3	914.6	916.7	885.8
52.5°	1041.8	1039.7	1016.1	956.0	889.2	859.6	886.2	950.9	996.2	1000.8	968.3
55°	1079.9	1081.2	1063.0	1005.9	938.3	913.7	950.1	1026.2	1079.9	1080.7	1045.7
57.5°	1107.8	1109.5	1097.2	1047.8	981.4	962.8	1011.8	1098.9	1159.8	1163.6	1117.5
60°	1119.6	1122.6	1118.8	1077.4	1019.9	1008.0	1067.2	1164.0	1231.7	1233.0	1177.6
62.5°	1113.3	1116.3	1123.9	1094.3	1047.8	1047.3	1120.9	1220.7	1287.9	1289.6	1223.2
65°	1084.6	1089.2	1108.2	1094.3	1057.9	1071.9	1156.4	1264.3	1324.7	1326.8	1241.0
67°	1046.1	1052.0	1079.9	1079.5	1057.9	1081.6	1173.8	1282.4	1334.9	1332.3	1231.7
67.5°	1037.2	1043.1	1071.0	1075.3	1055.0	1082.9	1175.9	1284.6	1331.1	1330.6	1225.8
70°	961.9	972.5	1013.1	1033.4	1033.0	1072.7	1175.0	1273.1	1305.3	1301.0	1176.3
72.5°	875.3	888.4	937.8	976.7	989.4	1041.0	1144.2	1227.9	1238.5	1233.4	1083.7
75°	786.0	793.2	844.8	900.2	932.3	987.3	1086.2	1156.0	1141.2	1129.0	967.9
77.5°	691.7	694.7	752.2	814.4	853.3	916.7	1000.0	1050.7	1014.4	1004.2	835.9
80°	582.2	594.5	652.0	716.7	764.9	822.4	892.6	923.0	862.1	852.8	695.6
82.5°	492.6	500.2	552.6	616.1	670.2	724.3	770.0	778.0	714.2	707.4	559.0
85°	402.1	408.9	463.8	522.6	573.4	618.6	649.0	637.2	570.8	563.6	441.9
87.5°	332.8	337.8	375.9	435.5	480.3	512.9	529.0	514.2	450.7	440.6	341.2
90°	263.8	271.5	305.7	356.0	401.7	422.8	424.5	400.0	348.0	340.4	261.3
92.5°	213.1	218.2	250.7	292.6	328.5	344.6	340.4	319.7	271.9	263.0	202.1
95°	172.5	176.7	203.8	240.6	269.8	284.6	272.7	245.2	207.6	204.2	156.0
97.5°	143.3	144.2	165.3	198.3	221.6	229.2	219.9	194.9	162.4	155.6	119.7
100°	117.1	118.0	135.7	160.7	181.8	186.9	177.6	153.5	126.0	121.8	93.9
102.5°	95.1	97.3	110.8	133.2	148.8	152.6	142.9	121.8	97.3	94.3	73.1
105°	80.8	81.2	93.0	109.9	123.9	126.8	117.1	98.9	76.5	74.8	58.4
107.5°	68.5	68.5	77.8	92.6	103.6	105.3	97.7	80.8	60.5	58.8	47.4



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	58.8	59.2	66.0	77.8	87.9	89.2	81.6	64.7	48.2	46.9	38.5
112.5°	51.2	52.0	56.7	66.0	74.8	76.1	68.5	52.9	39.3	37.6	32.1
115°	45.2	45.7	49.0	56.7	63.8	64.7	57.1	43.6	31.7	30.4	27.1
117.5°	40.2	40.6	43.1	49.5	55.0	55.4	47.8	35.9	26.6	25.4	23.7
120°	36.4	36.4	38.5	42.7	47.4	47.4	40.2	29.6	22.0	21.6	20.3
122.5°	33.0	33.0	34.2	37.2	40.6	39.7	33.4	24.5	18.6	18.2	17.8
125°	30.0	30.0	30.9	32.6	34.7	33.4	27.5	20.3	16.1	15.6	15.6
127.5°	27.1	27.1	27.5	28.8	29.2	27.9	22.8	16.9	14.0	13.5	14.0
130°	24.5	24.5	24.5	24.5	24.5	23.7	18.6	14.0	11.8	11.8	12.3
132.5°	22.0	22.0	21.6	21.1	20.7	19.0	15.2	11.4	10.6	10.6	11.0
135°	19.5	19.5	19.0	18.2	16.9	14.8	11.4	9.3	8.9	8.9	9.3
137.5°	16.9	16.9	16.5	15.2	13.5	11.4	8.9	7.6	7.6	7.6	8.0
140°	14.4	14.4	14.0	12.7	10.6	8.5	6.8	5.9	6.3	6.3	6.8
142.5°	12.3	11.8	11.4	10.1	8.0	5.9	4.7	4.7	5.1	5.1	5.5
145°	9.7	9.3	8.9	7.6	5.9	4.2	3.4	3.4	3.8	3.8	4.2
147.5°	7.6	7.2	6.8	5.5	4.2	3.0	2.1	2.5	3.0	3.0	3.0
150°	5.1	5.1	5.1	4.2	2.5	1.7	1.3	1.7	1.7	1.7	2.1
152.5°	3.4	3.4	3.4	2.5	1.7	0.8	0.8	0.8	1.3	1.3	1.3
155°	2.1	2.1	2.1	1.7	0.8	0.4	0.4	0.4	0.8	0.8	0.8
157.5°	0.8	0.8	0.8	0.8	0.8	0.4	0.0	0.4	0.4	0.4	0.4
160°	0.4	0.4	0.8	0.8	0.8	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°	121.4	121.4	121.4	121.4	121.4	121.4	121.4	121.4	121.4	121.4	121.4
2.5°	122.2	121.4	119.7	118.4	117.1	115.9	114.6	113.7	112.5	112.5	112.5
5°	126.4	124.3	120.9	118.4	115.4	113.3	110.8	109.1	107.8	107.4	107.4
7.5°	133.6	130.7	125.6	120.5	116.3	112.9	109.9	107.8	106.1	105.7	105.7
10°	143.8	140.0	131.9	126.0	120.5	115.9	112.0	109.1	107.8	107.0	107.0
12.5°	158.6	153.5	144.2	134.0	126.8	120.9	116.3	115.0	115.0	115.4	115.0
15°	176.3	171.2	158.6	146.7	136.2	129.4	126.8	126.8	126.4	127.3	127.3
17.5°	198.7	191.5	176.3	160.7	148.4	142.1	139.5	138.7	139.5	140.8	140.0
20°	225.4	214.8	195.8	176.3	163.2	156.9	152.6	151.8	153.1	153.9	154.3
22.5°	253.3	241.9	217.8	192.8	179.3	170.8	166.2	164.9	167.0	169.1	169.6
25°	285.0	272.3	241.4	212.7	193.7	182.2	178.0	177.6	181.0	183.9	183.9
27.5°	323.5	306.6	267.2	234.2	209.7	194.5	189.8	190.3	194.9	197.5	198.3
30°	363.6	344.6	296.8	254.1	222.4	204.2	199.2	201.3	205.9	211.0	211.8
32.5°	408.9	386.5	325.6	274.0	233.8	211.8	206.3	210.6	215.6	221.6	222.4
35°	456.2	426.2	355.2	292.2	243.1	217.8	211.4	216.5	222.8	228.3	230.0
37.5°	509.9	474.4	387.3	307.0	250.3	221.1	214.4	220.3	227.5	233.0	233.4
40°	564.9	523.9	417.8	320.9	255.4	223.3	216.1	222.0	228.8	233.4	233.8
42.5°	622.4	574.2	446.1	332.3	257.9	223.3	215.2	221.1	227.5	230.0	230.4
45°	689.6	627.5	475.3	340.4	258.8	222.4	214.0	218.6	223.3	224.1	225.4
47.5°	757.3	680.3	500.2	346.3	258.3	220.3	211.8	215.6	218.6	217.8	219.0
50°	828.7	737.8	524.3	350.1	256.2	218.2	208.9	212.3	213.1	210.6	210.6
52.5°	897.2	787.7	542.9	350.5	253.3	215.6	206.8	209.3	208.9	204.2	204.6
55°	965.7	841.0	558.6	346.7	249.0	213.1	204.6	206.3	205.1	199.6	198.7
57.5°	1024.5	884.1	565.3	341.2	244.4	210.6	203.4	205.1	202.5	196.2	195.8
60°	1074.4	917.5	565.7	333.6	238.9	208.5	202.1	204.2	202.1	194.5	193.7
62.5°	1105.3	932.8	554.8	321.8	233.4	205.9	202.1	203.8	201.3	193.7	193.2
65°	1110.3	925.1	537.0	308.2	227.1	203.4	201.3	203.4	200.8	192.8	192.0
67°	1090.5	903.2	512.9	295.6	221.6	201.3	199.6	202.5	199.6	192.0	190.7
67.5°	1083.7	893.0	507.4	293.9	220.3	200.4	199.2	201.7	199.2	191.5	190.3
70°	1024.5	837.6	466.0	275.3	212.3	196.2	196.2	198.3	195.8	188.6	186.5
72.5°	933.2	759.8	424.5	257.5	203.4	189.8	191.1	193.2	190.7	183.9	181.4
75°	827.5	672.3	378.4	236.8	193.2	183.5	184.4	186.5	183.9	176.7	174.6
77.5°	709.9	571.2	331.9	217.8	182.7	175.1	175.5	176.7	174.6	167.4	165.3
80°	583.9	471.0	284.6	196.2	170.4	164.5	164.9	164.9	161.9	156.0	154.3
82.5°	470.6	382.7	242.7	177.2	156.9	152.6	152.6	152.2	148.4	143.3	140.8
85°	366.2	308.7	203.4	157.7	143.3	139.5	139.1	137.4	133.6	128.1	125.2
87.5°	287.1	244.4	171.2	139.1	129.8	127.3	124.7	120.9	118.0	113.3	110.8
90°	224.1	194.1	144.6	122.2	116.7	113.3	110.8	106.1	101.5	96.8	95.6
92.5°	175.5	153.5	120.5	106.6	103.2	100.6	97.3	92.2	87.9	82.5	82.9
95°	139.1	124.7	102.7	93.9	91.3	89.2	85.0	79.5	74.8	69.8	68.9
97.5°	109.1	99.4	86.3	81.6	80.8	78.2	74.0	68.5	63.4	57.9	57.9
100°	86.7	81.2	72.7	71.9	70.2	68.5	64.3	59.2	52.9	48.2	48.2
102.5°	69.8	65.1	62.2	62.2	61.7	60.0	55.8	50.7	44.4	39.7	39.7
105°	55.8	54.1	52.9	54.1	54.5	52.9	48.6	43.1	36.8	32.6	33.4
107.5°	46.5	45.2	45.2	46.9	47.8	46.1	42.3	36.4	30.4	27.5	27.5



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CATALOG NUMBER: LXF.LXT-PA1-30-740-U-T4W-FL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	38.5	38.1	38.9	41.0	41.4	40.2	36.4	30.9	25.4	22.8	23.3
112.5°	32.6	32.1	33.8	35.9	36.4	35.1	31.3	26.2	21.1	19.5	19.5
115°	27.5	27.9	29.2	30.9	31.7	30.4	27.1	22.4	17.3	16.5	16.5
117.5°	23.7	24.1	25.4	27.5	27.9	26.2	22.8	18.6	14.8	14.4	14.4
120°	20.7	21.1	22.4	23.7	24.1	22.4	19.5	15.6	12.7	12.3	12.3
122.5°	18.2	19.0	19.9	20.7	21.1	19.5	16.9	13.1	10.6	10.6	11.0
125°	16.1	16.5	17.3	18.2	18.2	16.5	14.0	11.0	9.3	9.3	9.3
127.5°	14.4	14.4	14.8	15.6	15.6	14.4	11.8	8.9	8.0	8.0	8.5
130°	12.7	13.1	13.1	13.1	13.1	11.8	9.7	7.6	6.8	7.2	7.2
132.5°	11.0	11.4	11.4	11.4	11.0	9.7	8.0	6.3	5.9	6.3	6.3
135°	9.7	9.7	9.7	9.7	8.9	8.0	6.3	5.1	5.1	5.5	5.5
137.5°	8.5	8.5	8.5	8.0	7.2	6.3	5.1	4.2	4.2	4.7	4.7
140°	6.8	7.2	6.8	6.3	5.5	4.7	3.8	3.4	3.8	3.8	3.8
142.5°	5.5	5.5	5.5	5.1	4.2	3.4	3.0	2.5	3.0	3.0	3.4
145°	4.2	4.2	4.2	3.8	3.0	2.1	2.1	2.1	2.5	2.5	2.5
147.5°	3.0	3.0	3.0	2.5	1.7	1.3	1.3	1.3	1.7	1.7	1.7
150°	2.1	2.1	2.1	1.7	0.8	0.4	0.4	0.8	1.3	1.3	1.3
152.5°	1.3	1.3	1.3	0.8	0.4	0.0	0.4	0.8	0.8	0.4	0.4
155°	0.8	0.8	0.8	0.8	0.4	0.0	0.4	0.4	0.4	0.0	0.0
157.5°	0.8	0.8	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)