

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: P414649

Luminaire Tested: **LXF.LXT-PA1-30-730-U-T4W-FL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414649  
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-PA1-30-730-U-T4W-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 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: 3245 lumens  
Efficiency: N/A  
Efficacy: 104.7 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): 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

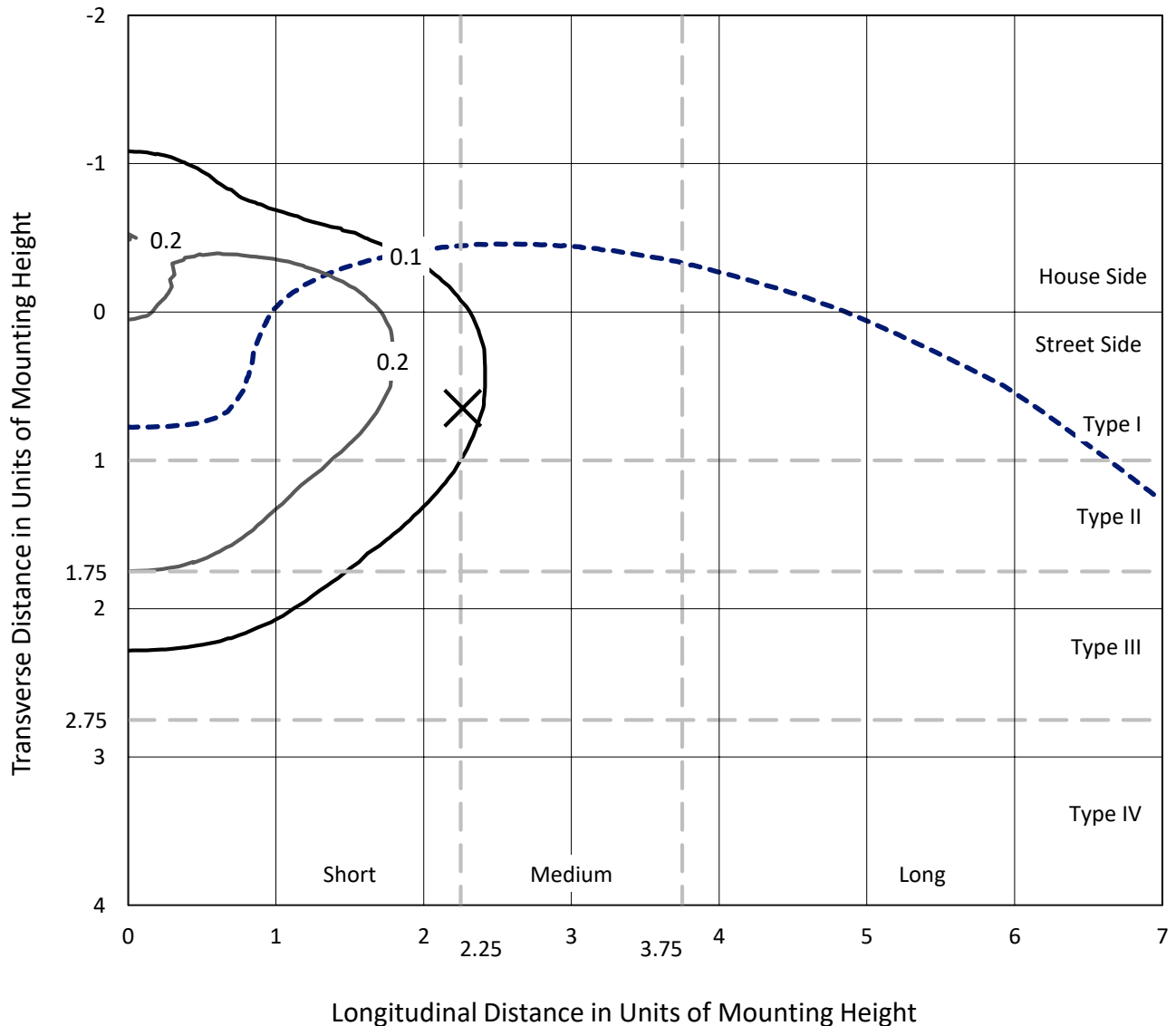


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

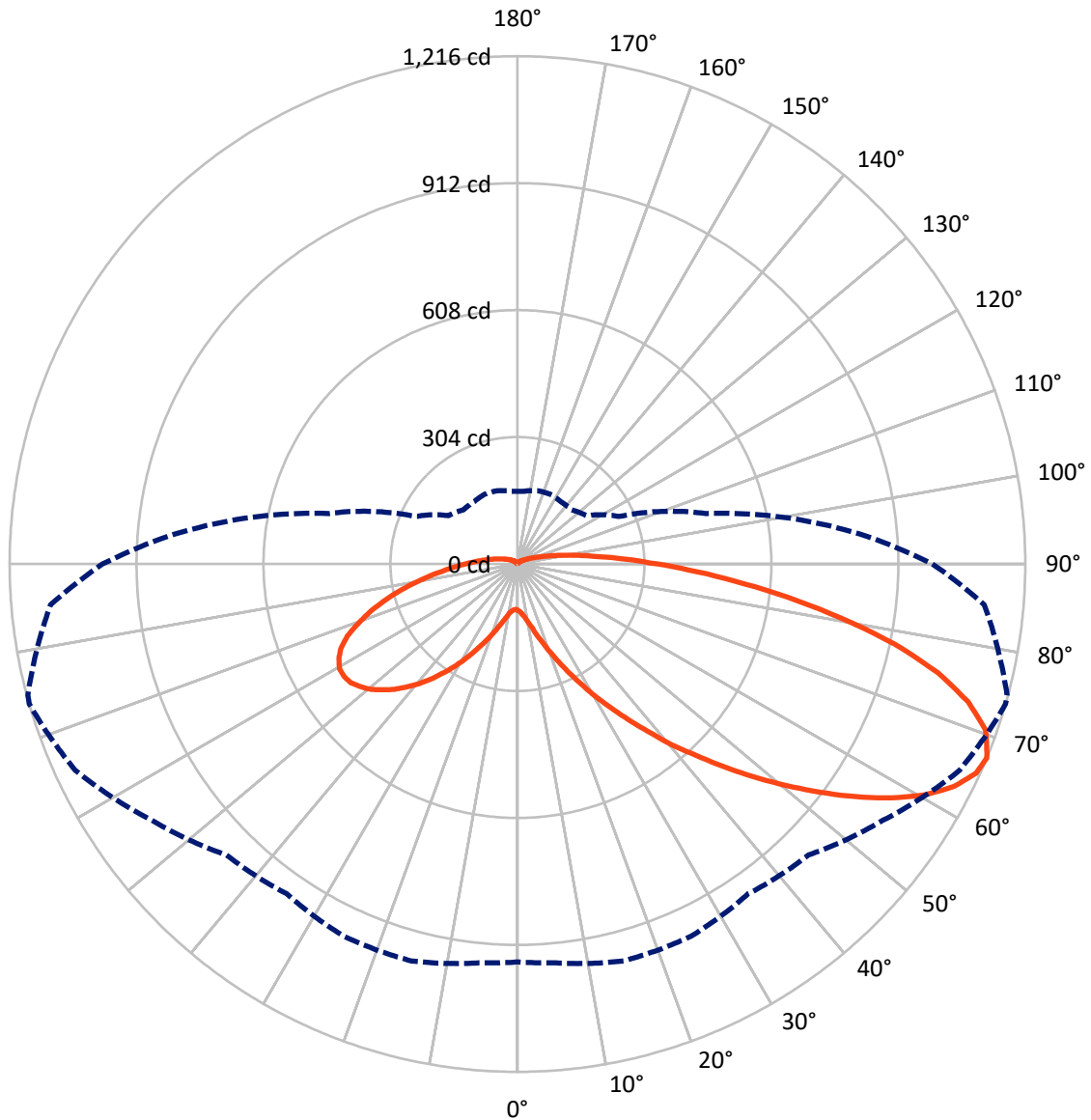


Based on 25 foot mounting height. Maximum calculated value = 0.5 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



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

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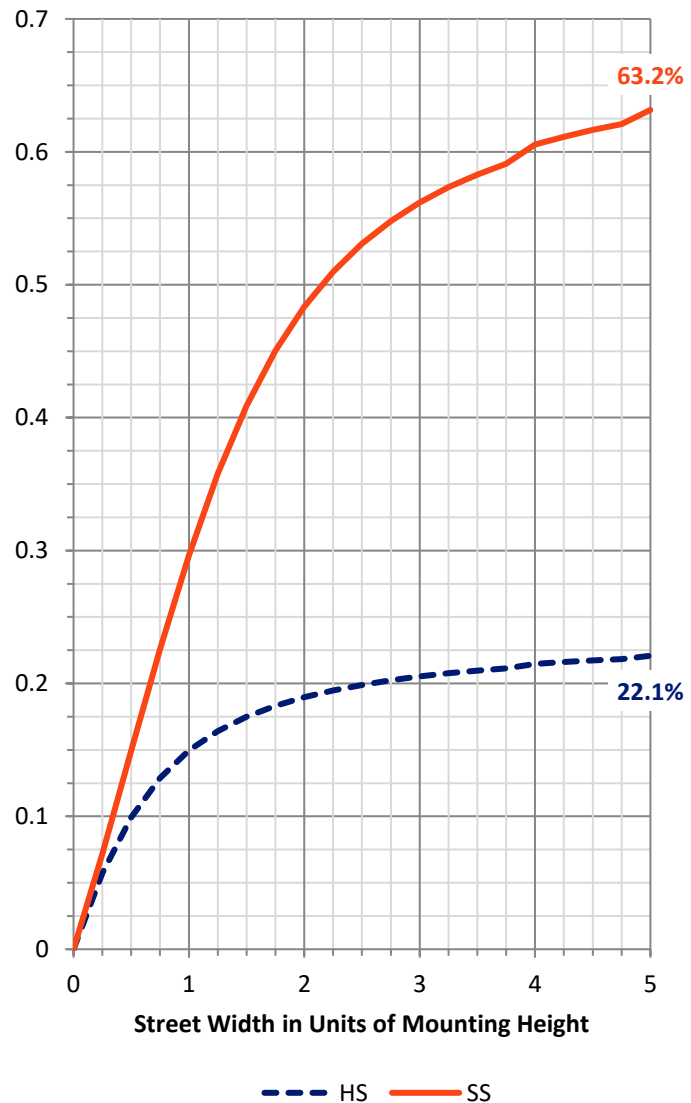
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	756.7	91.0	847.7
	% Fixture	23.3	2.8	26.1
<b>Street Side</b>	Lumens	2189.9	207.5	2397.4
	% Fixture	67.5	6.4	73.9
<b>Total</b>	Lumens	2946.6	298.4	3245.0
	% Fixture	90.8	9.2	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	11.6	0.4
10°-20°	47.3	1.5
20°-30°	117.4	3.6
30°-40°	229.3	7.1
40°-50°	379.2	11.7
50°-60°	549.7	16.9
60°-70°	665.3	20.5
70°-80°	591.5	18.2
80°-90°	355.3	10.9
90°-100°	163.1	5.0
100°-110°	72.6	2.2
110°-120°	34.7	1.1
120°-130°	17.2	0.5
130°-140°	7.9	0.2
140°-150°	2.6	0.1
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2946.6	90.8
0°-180°	3245.0	100.0



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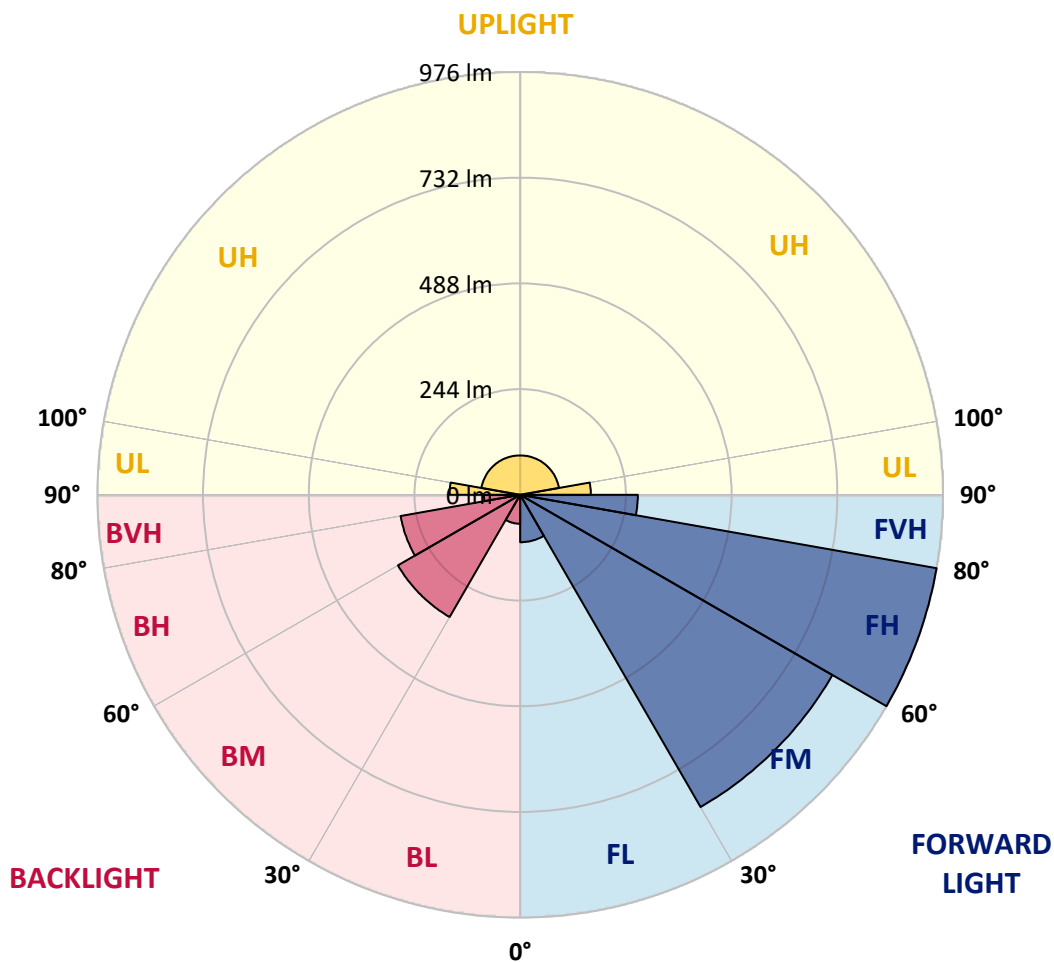
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	109.4	3.4			
FM	(30°-60°)	832.5	25.7			
FH	(60°-80°)	976.4	30.1			G1/1800
FVH	(80°-90°)	271.6	8.4			G3/500
BL	(0°-30°)	66.8	2.1	B0/110		
BM	(30°-60°)	325.7	10.0	B1/1000		
BH	(60°-80°)	280.4	8.6	B1/500		G1/500
BVH	(80°-90°)	83.7	2.6			G1/100
UL	(90°-100°)	163.1	5.0		U3/500	
UH	(100°-180°)	91.0	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°	110.5	110.5	110.5	110.5	110.5	110.5	110.5	110.5	110.5	110.5	110.5
2.5°	122.1	120.9	120.9	120.1	119.8	118.6	117.8	115.1	114.0	114.0	112.1
5°	135.2	134.4	132.9	132.9	131.3	129.8	126.7	123.2	120.5	120.1	116.7
7.5°	151.3	149.4	149.4	147.5	145.2	142.5	138.2	133.6	129.4	129.0	123.6
10°	169.8	169.1	168.3	165.6	162.5	157.1	153.3	146.7	141.7	141.3	134.0
12.5°	192.5	191.4	189.1	186.4	181.0	177.1	170.2	162.9	156.3	156.7	148.3
15°	217.2	216.4	214.9	210.6	204.5	199.1	192.2	184.5	177.9	175.2	166.4
17.5°	245.3	243.8	241.8	237.2	230.3	224.9	215.7	208.3	199.9	200.2	187.5
20°	278.4	276.9	274.2	266.9	260.7	253.4	243.8	235.7	226.0	225.3	212.6
22.5°	311.2	311.9	305.4	297.7	291.9	283.4	274.2	263.8	255.3	254.5	239.9
25°	351.6	348.9	342.3	333.5	324.6	314.2	306.1	296.9	288.8	288.0	270.7
27.5°	393.9	391.6	382.8	371.6	359.7	348.1	341.2	331.6	325.4	324.2	306.5
30°	440.2	436.3	428.2	413.2	396.6	383.6	376.6	373.2	367.4	365.8	347.7
32.5°	492.1	487.1	475.2	457.1	433.2	418.6	415.5	412.4	410.1	407.8	390.9
35°	543.7	542.2	524.5	502.2	478.7	459.4	454.0	459.0	457.5	455.9	437.8
37.5°	598.0	600.7	581.5	552.2	519.9	499.5	495.6	504.9	509.1	509.1	487.5
40°	662.0	659.7	640.4	604.6	566.9	543.0	544.1	558.0	568.4	566.1	544.9
42.5°	725.5	720.5	695.1	660.0	612.3	588.4	588.4	609.6	625.4	625.8	603.4
45°	787.9	782.5	758.6	712.8	660.8	635.0	640.4	666.2	692.0	688.5	666.6
47.5°	844.9	842.6	817.9	769.0	710.5	683.5	694.3	732.8	760.9	760.9	736.7
50°	900.7	897.6	874.5	819.5	760.6	734.0	750.2	797.1	833.0	834.9	806.8
52.5°	948.9	946.9	925.4	870.7	809.8	782.9	807.2	866.1	907.3	911.5	881.9
55°	983.5	984.7	968.1	916.1	854.5	832.2	865.3	934.6	983.5	984.3	952.3
57.5°	1008.9	1010.5	999.3	954.3	893.8	876.9	921.5	1000.9	1056.3	1059.8	1017.8
60°	1019.7	1022.4	1018.9	981.2	928.8	918.1	972.0	1060.2	1121.8	1122.9	1072.5
62.5°	1013.9	1016.6	1023.6	996.6	954.3	953.9	1020.9	1111.8	1173.0	1174.5	1114.1
65°	987.8	992.0	1009.3	996.6	963.5	976.2	1053.2	1151.4	1206.5	1208.4	1130.2
67°	952.7	958.1	983.5	983.1	963.5	985.1	1069.0	1168.0	1215.7	1213.4	1121.8
67.5°	944.6	950.0	975.4	979.3	960.8	986.2	1070.9	1169.9	1212.3	1211.9	1116.4
70°	876.1	885.7	922.7	941.2	940.8	977.0	1070.2	1159.5	1188.8	1184.9	1071.3
72.5°	797.1	809.1	854.1	889.6	901.1	948.1	1042.1	1118.3	1127.9	1123.3	987.0
75°	715.9	722.4	769.4	819.9	849.1	899.2	989.3	1052.8	1039.4	1028.2	881.5
77.5°	630.0	632.7	685.1	741.7	777.1	834.9	910.7	957.0	923.8	914.6	761.3
80°	530.3	541.4	593.8	652.7	696.6	749.0	812.9	840.7	785.2	776.7	633.5
82.5°	448.6	455.6	503.3	561.1	610.4	659.7	701.3	708.6	650.4	644.3	509.1
85°	366.2	372.4	422.4	476.0	522.2	563.4	591.1	580.3	519.9	513.3	402.4
87.5°	303.1	307.7	342.3	396.6	437.5	467.1	481.7	468.3	410.5	401.3	310.8
90°	240.3	247.2	278.4	324.2	365.8	385.1	386.6	364.3	316.9	310.0	238.0
92.5°	194.1	198.7	228.4	266.5	299.2	313.8	310.0	291.1	247.6	239.5	184.1
95°	157.1	161.0	185.6	219.1	245.7	259.2	248.4	223.4	189.1	186.0	142.1
97.5°	130.5	131.3	150.6	180.6	201.8	208.7	200.2	177.5	147.9	141.7	109.0
100°	106.7	107.4	123.6	146.3	165.6	170.2	161.7	139.8	114.8	110.9	85.5
102.5°	86.6	88.6	100.9	121.3	135.6	139.0	130.2	110.9	88.6	85.9	66.6
105°	73.6	73.9	84.7	100.1	112.8	115.5	106.7	90.1	69.7	68.2	53.1
107.5°	62.4	62.4	70.9	84.3	94.3	95.9	89.0	73.6	55.1	53.5	43.1



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	53.5	53.9	60.1	70.9	80.1	81.3	74.3	58.9	43.9	42.7	35.0
112.5°	46.6	47.4	51.6	60.1	68.2	69.3	62.4	48.1	35.8	34.3	29.3
115°	41.2	41.6	44.7	51.6	58.1	58.9	52.0	39.7	28.9	27.7	24.6
117.5°	36.6	37.0	39.3	45.1	50.1	50.4	43.5	32.7	24.3	23.1	21.6
120°	33.1	33.1	35.0	38.9	43.1	43.1	36.6	27.0	20.0	19.6	18.5
122.5°	30.0	30.0	31.2	33.9	37.0	36.2	30.4	22.3	16.9	16.6	16.2
125°	27.3	27.3	28.1	29.7	31.6	30.4	25.0	18.5	14.6	14.2	14.2
127.5°	24.6	24.6	25.0	26.2	26.6	25.4	20.8	15.4	12.7	12.3	12.7
130°	22.3	22.3	22.3	22.3	22.3	21.6	16.9	12.7	10.8	10.8	11.2
132.5°	20.0	20.0	19.6	19.3	18.9	17.3	13.9	10.4	9.6	9.6	10.0
135°	17.7	17.7	17.3	16.6	15.4	13.5	10.4	8.5	8.1	8.1	8.5
137.5°	15.4	15.4	15.0	13.9	12.3	10.4	8.1	6.9	6.9	6.9	7.3
140°	13.1	13.1	12.7	11.6	9.6	7.7	6.2	5.4	5.8	5.8	6.2
142.5°	11.2	10.8	10.4	9.2	7.3	5.4	4.2	4.2	4.6	4.6	5.0
145°	8.9	8.5	8.1	6.9	5.4	3.9	3.1	3.1	3.5	3.5	3.9
147.5°	6.9	6.5	6.2	5.0	3.9	2.7	1.9	2.3	2.7	2.7	2.7
150°	4.6	4.6	4.6	3.9	2.3	1.5	1.2	1.5	1.5	1.5	1.9
152.5°	3.1	3.1	3.1	2.3	1.5	0.8	0.8	0.8	1.2	1.2	1.2
155°	1.9	1.9	1.9	1.5	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°	110.5	110.5	110.5	110.5	110.5	110.5	110.5	110.5	110.5	110.5	110.5
2.5°	111.3	110.5	109.0	107.8	106.7	105.5	104.4	103.6	102.4	102.4	102.4
5°	115.1	113.2	110.1	107.8	105.1	103.2	100.9	99.4	98.2	97.8	97.8
7.5°	121.7	119.0	114.4	109.8	105.9	102.8	100.1	98.2	96.7	96.3	96.3
10°	130.9	127.5	120.1	114.8	109.8	105.5	102.0	99.4	98.2	97.4	97.4
12.5°	144.4	139.8	131.3	122.1	115.5	110.1	105.9	104.7	104.7	105.1	104.7
15°	160.6	156.0	144.4	133.6	124.0	117.8	115.5	115.5	115.1	115.9	115.9
17.5°	181.0	174.4	160.6	146.3	135.2	129.4	127.1	126.3	127.1	128.2	127.5
20°	205.3	195.6	178.3	160.6	148.6	142.9	139.0	138.2	139.4	140.2	140.6
22.5°	230.7	220.3	198.3	175.6	163.3	155.6	151.3	150.2	152.1	154.0	154.4
25°	259.6	248.0	219.9	193.7	176.4	166.0	162.1	161.7	164.8	167.5	167.5
27.5°	294.6	279.2	243.4	213.3	191.0	177.1	172.9	173.3	177.5	179.8	180.6
30°	331.2	313.8	270.3	231.4	202.6	186.0	181.4	183.3	187.5	192.2	192.9
32.5°	372.4	352.0	296.5	249.5	213.0	192.9	187.9	191.8	196.4	201.8	202.6
35°	415.5	388.2	323.5	266.1	221.4	198.3	192.5	197.2	202.9	207.9	209.5
37.5°	464.4	432.1	352.7	279.6	228.0	201.4	195.2	200.6	207.2	212.2	212.6
40°	514.5	477.1	380.5	292.3	232.6	203.3	196.8	202.2	208.3	212.6	213.0
42.5°	566.9	523.0	406.3	302.7	234.9	203.3	196.0	201.4	207.2	209.5	209.9
45°	628.1	571.5	432.8	310.0	235.7	202.6	194.9	199.1	203.3	204.1	205.3
47.5°	689.7	619.6	455.6	315.4	235.3	200.6	192.9	196.4	199.1	198.3	199.5
50°	754.8	672.0	477.5	318.9	233.4	198.7	190.2	193.3	194.1	191.8	191.8
52.5°	817.2	717.4	494.5	319.2	230.7	196.4	188.3	190.6	190.2	186.0	186.4
55°	879.5	765.9	508.7	315.8	226.8	194.1	186.4	187.9	186.8	181.8	181.0
57.5°	933.1	805.2	514.9	310.8	222.6	191.8	185.2	186.8	184.5	178.7	178.3
60°	978.5	835.6	515.3	303.8	217.6	189.8	184.1	186.0	184.1	177.1	176.4
62.5°	1006.6	849.5	505.2	293.1	212.6	187.5	184.1	185.6	183.3	176.4	176.0
65°	1011.2	842.6	489.1	280.7	206.8	185.2	183.3	185.2	182.9	175.6	174.8
67°	993.1	822.6	467.1	269.2	201.8	183.3	181.8	184.5	181.8	174.8	173.7
67.5°	987.0	813.3	462.1	267.6	200.6	182.5	181.4	183.7	181.4	174.4	173.3
70°	933.1	762.9	424.4	250.7	193.3	178.7	178.7	180.6	178.3	171.8	169.8
72.5°	849.9	692.0	386.6	234.5	185.2	172.9	174.1	176.0	173.7	167.5	165.2
75°	753.6	612.3	344.7	215.7	176.0	167.1	167.9	169.8	167.5	161.0	159.0
77.5°	646.6	520.3	302.3	198.3	166.4	159.4	159.8	161.0	159.0	152.5	150.6
80°	531.8	429.0	259.2	178.7	155.2	149.8	150.2	150.2	147.5	142.1	140.6
82.5°	428.6	348.5	221.0	161.4	142.9	139.0	139.0	138.6	135.2	130.5	128.2
85°	333.5	281.1	185.2	143.6	130.5	127.1	126.7	125.2	121.7	116.7	114.0
87.5°	261.5	222.6	156.0	126.7	118.2	115.9	113.6	110.1	107.4	103.2	100.9
90°	204.1	176.8	131.7	111.3	106.3	103.2	100.9	96.7	92.4	88.2	87.0
92.5°	159.8	139.8	109.8	97.0	94.0	91.7	88.6	83.9	80.1	75.1	75.5
95°	126.7	113.6	93.6	85.5	83.2	81.3	77.4	72.4	68.2	63.5	62.8
97.5°	99.4	90.5	78.6	74.3	73.6	71.2	67.4	62.4	57.8	52.8	52.8
100°	78.9	73.9	66.2	65.5	63.9	62.4	58.5	53.9	48.1	43.9	43.9
102.5°	63.5	59.3	56.6	56.6	56.2	54.7	50.8	46.2	40.4	36.2	36.2
105°	50.8	49.3	48.1	49.3	49.7	48.1	44.3	39.3	33.5	29.7	30.4
107.5°	42.4	41.2	41.2	42.7	43.5	42.0	38.5	33.1	27.7	25.0	25.0



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CATALOG NUMBER: LXF.LXT-PA1-30-730-U-T4W-FL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	35.0	34.7	35.4	37.4	37.7	36.6	33.1	28.1	23.1	20.8	21.2
112.5°	29.7	29.3	30.8	32.7	33.1	32.0	28.5	23.9	19.3	17.7	17.7
115°	25.0	25.4	26.6	28.1	28.9	27.7	24.6	20.4	15.8	15.0	15.0
117.5°	21.6	22.0	23.1	25.0	25.4	23.9	20.8	16.9	13.5	13.1	13.1
120°	18.9	19.3	20.4	21.6	22.0	20.4	17.7	14.2	11.6	11.2	11.2
122.5°	16.6	17.3	18.1	18.9	19.3	17.7	15.4	11.9	9.6	9.6	10.0
125°	14.6	15.0	15.8	16.6	16.6	15.0	12.7	10.0	8.5	8.5	8.5
127.5°	13.1	13.1	13.5	14.2	14.2	13.1	10.8	8.1	7.3	7.3	7.7
130°	11.6	11.9	11.9	11.9	11.9	10.8	8.9	6.9	6.2	6.5	6.5
132.5°	10.0	10.4	10.4	10.4	10.0	8.9	7.3	5.8	5.4	5.8	5.8
135°	8.9	8.9	8.9	8.9	8.1	7.3	5.8	4.6	4.6	5.0	5.0
137.5°	7.7	7.7	7.7	7.3	6.5	5.8	4.6	3.9	3.9	4.2	4.2
140°	6.2	6.5	6.2	5.8	5.0	4.2	3.5	3.1	3.5	3.5	3.5
142.5°	5.0	5.0	5.0	4.6	3.9	3.1	2.7	2.3	2.7	2.7	3.1
145°	3.9	3.9	3.9	3.5	2.7	1.9	1.9	1.9	2.3	2.3	2.3
147.5°	2.7	2.7	2.7	2.3	1.5	1.2	1.2	1.2	1.5	1.5	1.5
150°	1.9	1.9	1.9	1.5	0.8	0.4	0.4	0.8	1.2	1.2	1.2
152.5°	1.2	1.2	1.2	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)