

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: P414640

Luminaire Tested: **LXF.LXT-PA1-30-730-U-T3-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414640
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-PA1-30-730-U-T3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 375mA 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: 3274 lumens
Efficiency: N/A
Efficacy: 105.6 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

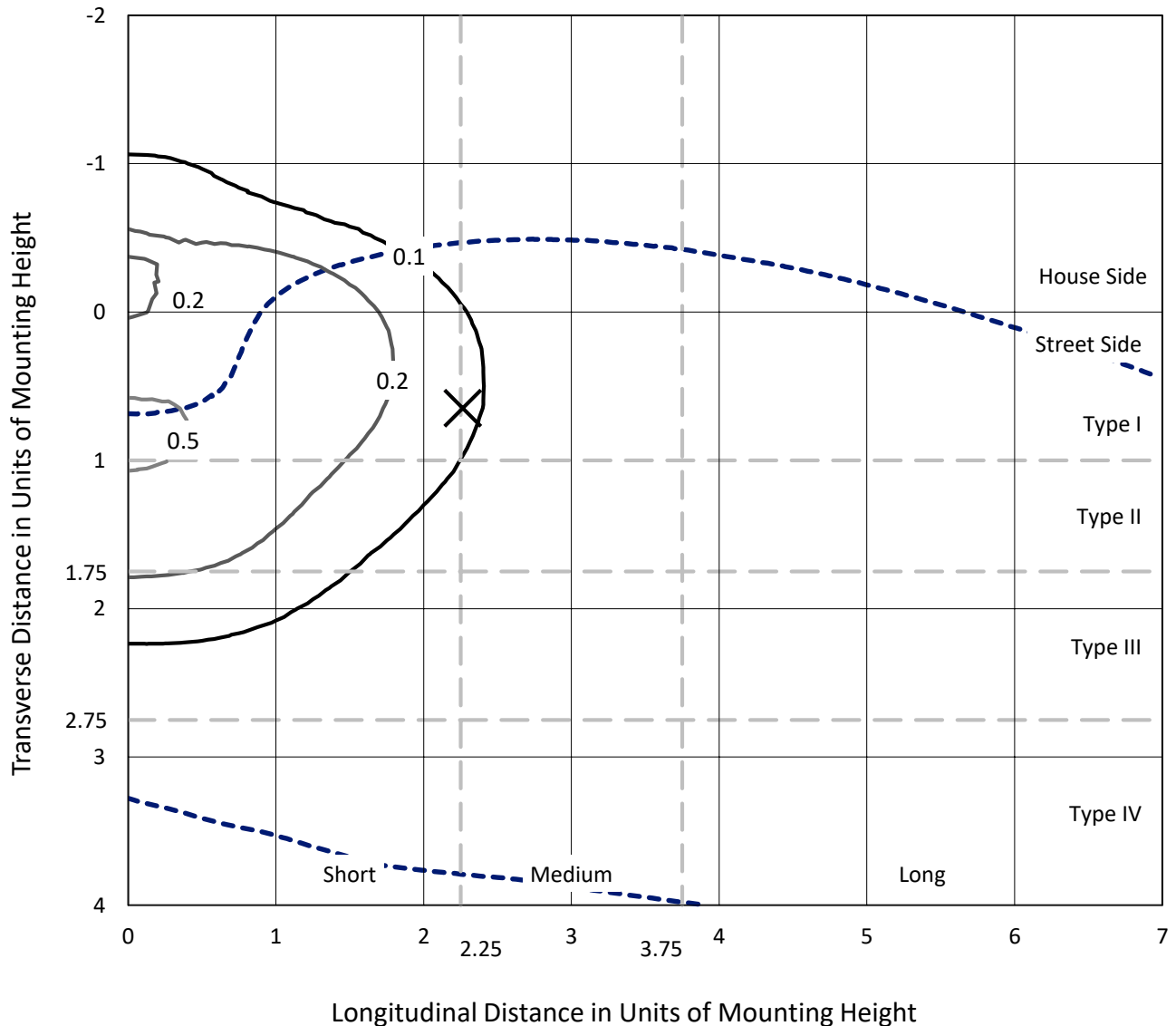
Input Watts (W): 31
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

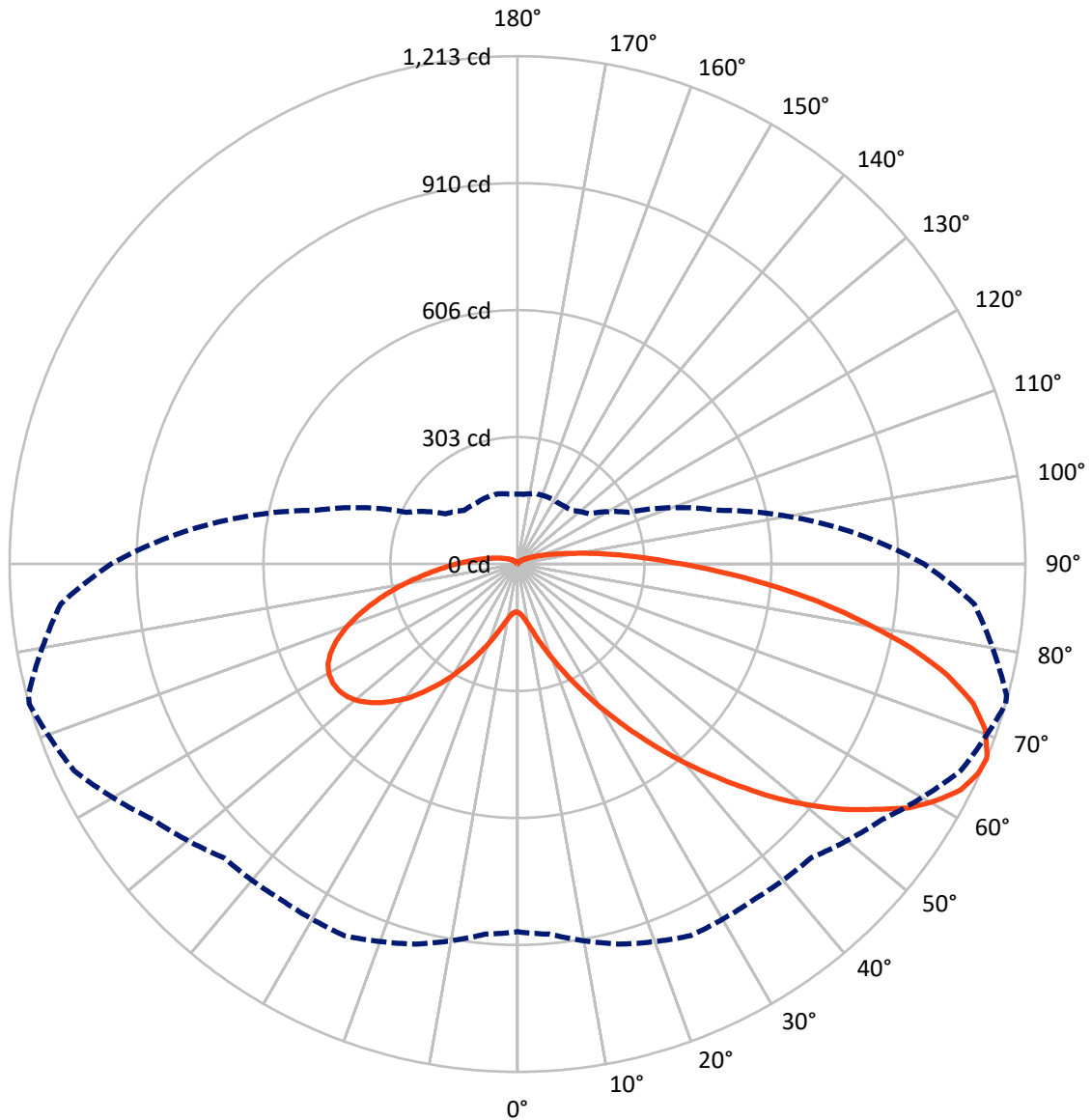
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 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	789.2	97.6	886.8
	% Fixture	24.1	3.0	27.1
Street Side	Lumens	2217.2	169.9	2387.2
	% Fixture	67.7	5.2	72.9
Total	Lumens	3006.5	267.5	3274.0
	% Fixture	91.8	8.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.2	0.4
10°-20°	50.2	1.5
20°-30°	127.2	3.9
30°-40°	255.2	7.8
40°-50°	428.4	13.1
50°-60°	600.9	18.4
60°-70°	671.7	20.5
70°-80°	548.0	16.7
80°-90°	312.8	9.6
90°-100°	143.0	4.4
100°-110°	65.4	2.0
110°-120°	32.3	1.0
120°-130°	16.4	0.5
130°-140°	7.6	0.2
140°-150°	2.5	0.1
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3006.5	91.8
0°-180°	3274.0	100.0

Coefficient of Utilization



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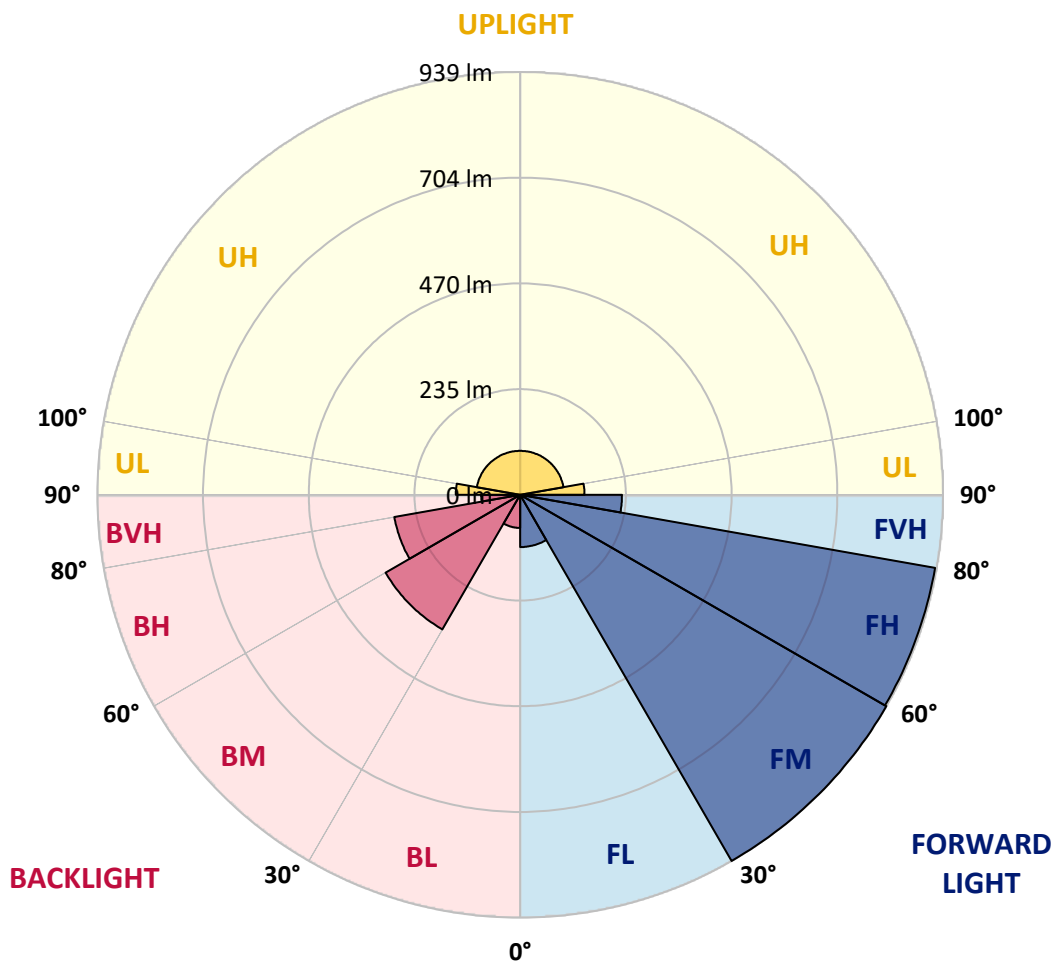
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	116.0	3.5			
FM	(30°-60°)	939.2	28.7			
FH	(60°-80°)	935.8	28.6			G1/1800
FVH	(80°-90°)	226.2	6.9			G3/500
BL	(0°-30°)	73.5	2.2	B0/110		
BM	(30°-60°)	345.3	10.5	B1/1000		
BH	(60°-80°)	283.8	8.7	B1/500		G1/500
BVH	(80°-90°)	86.6	2.6			G1/100
UL	(90°-100°)	143.0	4.4		U3/500	
UH	(100°-180°)	97.6	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°	115.5	115.5	115.5	115.5	115.5	115.5	115.5	115.5	115.5	115.5	115.5
2.5°	125.5	124.7	124.7	124.0	123.6	122.0	120.9	119.3	118.6	118.2	117.0
5°	137.1	135.9	135.9	135.1	133.6	131.7	129.0	127.4	124.7	125.1	121.7
7.5°	150.9	150.5	149.8	148.2	146.3	144.0	141.3	137.8	134.7	134.7	130.5
10°	169.4	167.1	167.1	165.2	163.2	159.8	155.9	152.1	147.8	147.4	141.7
12.5°	191.7	191.3	189.0	186.3	183.2	179.8	173.6	169.8	165.5	165.2	159.0
15°	217.9	216.7	213.7	212.5	207.9	201.7	196.7	192.9	188.6	187.1	179.0
17.5°	248.7	247.2	246.0	240.2	236.4	231.4	225.6	220.6	213.3	212.5	203.7
20°	284.9	281.4	278.0	273.3	267.2	262.6	256.4	251.8	243.3	243.3	231.4
22.5°	323.0	322.2	319.1	311.4	303.0	298.4	292.6	283.3	276.4	274.5	261.4
25°	369.2	368.4	362.3	354.2	345.3	338.4	329.2	319.1	313.4	313.0	298.4
27.5°	421.6	422.7	411.9	401.5	389.6	378.4	368.4	363.4	355.7	354.6	337.6
30°	484.7	479.7	468.5	453.5	436.9	422.7	412.3	407.3	402.3	401.9	381.5
32.5°	549.0	543.2	533.6	512.8	489.7	467.7	462.7	458.5	452.7	449.7	429.2
35°	620.2	615.6	601.7	574.4	543.6	519.7	509.3	510.1	507.4	505.9	481.2
37.5°	698.7	690.6	671.8	645.2	599.8	574.0	562.1	568.6	567.1	564.0	538.2
40°	772.6	771.5	751.5	710.3	664.5	627.9	619.8	631.0	629.1	625.2	596.7
42.5°	858.1	849.6	827.3	781.1	725.7	685.3	676.4	693.0	695.3	696.0	657.9
45°	931.3	927.4	906.2	853.1	789.2	745.3	738.0	755.7	763.4	764.2	722.2
47.5°	1002.5	1000.9	979.4	924.3	851.2	804.6	795.0	820.4	836.6	833.1	783.4
50°	1056.0	1058.7	1041.4	989.0	912.8	857.3	859.7	890.8	905.9	903.9	848.9
52.5°	1101.8	1098.0	1090.6	1041.0	961.7	910.9	913.6	950.9	973.2	972.1	910.9
55°	1118.7	1117.6	1118.4	1077.9	1001.7	954.7	962.8	1015.6	1034.0	1031.7	961.3
57.5°	1115.3	1114.5	1126.4	1099.9	1034.0	989.4	1007.9	1068.7	1099.1	1096.0	1014.4
60°	1089.1	1085.6	1111.4	1101.8	1047.1	1011.0	1043.3	1115.3	1148.0	1147.2	1057.9
62.5°	1030.2	1035.6	1071.4	1080.2	1043.3	1022.1	1064.5	1151.5	1188.0	1185.3	1089.1
65°	948.2	961.7	1004.8	1035.6	1017.1	1012.1	1072.2	1167.6	1208.1	1207.7	1100.3
67°	878.1	887.4	939.7	979.0	980.2	991.7	1063.3	1168.0	1212.7	1209.2	1094.9
67.5°	853.5	865.8	918.9	966.7	971.7	985.9	1059.8	1167.3	1209.6	1207.7	1092.2
70°	741.9	756.1	814.2	874.3	905.1	935.9	1028.3	1145.7	1185.0	1180.7	1061.0
72.5°	628.7	648.7	703.7	775.0	820.0	870.8	973.6	1091.8	1138.0	1129.1	1000.2
75°	520.1	533.6	587.1	664.1	722.6	791.5	898.9	1019.0	1060.6	1053.3	922.8
77.5°	414.6	426.9	478.5	555.9	622.1	699.5	811.5	927.8	960.1	955.9	824.6
80°	327.2	336.1	385.7	454.7	522.8	605.6	711.8	815.8	836.9	840.0	716.4
82.5°	251.8	263.3	306.4	367.3	431.6	510.5	602.9	694.9	718.4	710.7	605.6
85°	192.5	202.1	240.6	292.2	356.5	423.1	505.5	580.9	591.3	582.5	490.8
87.5°	150.5	157.8	187.9	237.9	289.1	346.1	411.9	469.7	475.1	473.5	393.1
90°	116.6	123.2	148.2	187.9	234.8	283.7	335.3	375.7	373.0	375.4	309.9
92.5°	91.6	95.1	117.8	152.8	192.1	231.4	270.6	297.6	297.2	290.7	241.8
95°	74.3	76.2	95.9	125.1	156.7	187.9	217.1	234.5	233.7	226.8	188.6
97.5°	60.1	61.2	78.2	102.8	129.4	153.6	174.8	187.1	180.9	178.2	147.8
100°	49.3	50.0	64.7	85.8	107.8	128.6	143.6	148.6	140.1	138.6	116.3
102.5°	42.0	42.3	54.7	72.8	90.1	105.9	117.0	119.3	109.3	110.1	91.6
105°	35.8	36.2	45.8	62.0	76.6	88.5	96.6	95.5	87.4	86.2	73.1
107.5°	31.2	31.6	39.3	53.1	65.8	75.8	80.1	77.4	70.1	68.5	58.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	27.3	27.7	33.9	45.4	56.6	65.1	67.4	63.1	56.6	55.1	48.5
112.5°	24.6	24.6	29.6	39.3	49.3	56.2	57.0	52.7	45.4	44.7	40.4
115°	22.3	22.3	26.2	33.9	42.7	48.1	48.1	43.1	37.3	37.0	33.9
117.5°	20.4	20.4	23.1	29.6	37.0	41.6	40.8	36.2	31.2	30.8	29.3
120°	18.9	18.9	20.8	25.8	32.0	35.4	34.6	30.0	26.2	25.8	25.0
122.5°	17.3	17.7	18.9	22.7	27.7	30.4	29.6	25.8	22.3	21.9	21.9
125°	16.2	16.2	16.9	19.6	23.9	26.2	25.0	21.2	18.9	18.9	18.9
127.5°	15.0	15.0	15.4	17.3	20.4	21.9	20.8	17.7	16.6	16.2	16.6
130°	13.9	13.9	14.2	15.0	17.3	18.1	16.9	15.0	13.9	13.9	14.2
132.5°	12.7	12.7	12.7	13.1	14.2	15.0	13.9	12.3	11.9	11.9	12.3
135°	11.5	11.9	11.5	11.5	11.9	11.9	10.8	10.0	10.0	10.4	10.8
137.5°	10.4	10.4	10.0	9.6	9.6	9.2	8.5	8.1	8.5	8.5	8.9
140°	9.2	9.2	8.9	8.1	7.3	6.9	6.5	6.2	6.9	6.9	7.3
142.5°	8.1	8.1	7.3	6.5	5.4	4.6	4.2	4.6	5.4	5.4	5.8
145°	6.5	6.5	6.2	5.4	3.8	3.1	2.7	3.5	3.8	3.8	4.2
147.5°	5.4	5.0	4.6	3.8	2.7	1.9	1.5	2.3	2.7	2.7	3.1
150°	3.8	3.8	3.5	2.7	1.5	0.8	0.8	1.2	1.5	1.5	1.9
152.5°	2.7	2.7	2.3	1.5	0.8	0.0	0.4	0.8	0.8	0.8	1.2
155°	1.5	1.5	1.5	1.2	0.4	0.0	0.0	0.4	0.4	0.4	0.8
157.5°	0.8	0.8	0.8	0.8	0.4	0.0	0.0	0.0	0.4	0.4	0.4
160°	0.4	0.4	0.8	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°	115.5	115.5	115.5	115.5	115.5	115.5	115.5	115.5	115.5	115.5	115.5
2.5°	116.3	115.5	114.7	113.6	112.8	112.0	111.3	110.9	110.9	110.5	110.9
5°	120.5	119.3	117.0	115.1	112.8	111.3	109.7	108.9	108.2	107.8	107.8
7.5°	128.2	126.7	122.8	119.3	115.9	113.2	111.3	109.3	108.6	108.2	108.2
10°	139.4	137.1	131.3	126.3	121.3	117.8	114.3	112.4	111.3	110.5	110.5
12.5°	155.1	151.3	144.0	135.5	129.0	124.3	120.1	118.2	117.8	117.8	117.8
15°	176.3	170.9	159.8	149.8	140.1	132.0	129.0	129.0	128.6	128.2	128.6
17.5°	198.3	192.1	178.2	165.5	153.6	145.5	140.5	139.4	139.0	138.6	139.0
20°	224.4	216.7	200.6	183.2	168.2	160.5	153.6	150.5	150.1	150.5	149.8
22.5°	254.1	245.6	221.7	201.0	184.4	173.6	165.5	161.3	162.1	162.1	161.7
25°	289.9	276.8	248.7	220.6	200.6	185.6	176.3	172.1	172.5	173.2	174.0
27.5°	326.1	311.1	275.3	241.0	214.8	197.5	186.7	182.1	181.7	184.0	183.6
30°	368.4	349.2	304.5	261.8	227.9	206.0	194.8	190.9	190.6	192.5	192.9
32.5°	413.9	390.0	334.9	282.6	239.5	213.3	200.6	197.9	197.1	199.0	199.4
35°	463.5	433.1	364.6	300.7	249.1	218.3	205.2	202.1	201.0	202.9	203.7
37.5°	511.6	476.2	395.0	316.8	256.8	221.4	207.1	204.8	203.3	204.4	204.8
40°	562.5	524.7	425.8	331.5	261.4	222.9	207.9	205.6	204.0	204.0	204.0
42.5°	618.3	569.4	450.8	341.9	264.1	222.5	207.1	204.4	202.5	201.0	201.0
45°	675.6	617.5	476.6	350.3	264.5	220.6	205.2	202.9	199.8	196.7	196.3
47.5°	731.5	661.0	499.3	354.9	263.3	217.9	202.5	199.4	196.7	192.1	192.1
50°	785.7	704.5	518.2	357.3	259.9	214.8	199.8	196.7	193.3	187.1	186.3
52.5°	835.4	744.2	532.4	356.5	254.9	210.6	196.3	193.6	189.4	182.1	182.1
55°	884.3	780.7	541.3	351.5	248.7	206.0	193.3	190.6	185.9	178.2	177.5
57.5°	924.3	806.9	544.7	343.8	241.8	201.0	190.2	187.5	183.2	174.8	174.8
60°	958.2	828.9	542.4	333.8	234.1	196.3	186.3	184.8	180.9	172.9	172.9
62.5°	977.8	837.7	533.6	321.1	225.2	191.3	182.9	182.1	178.6	170.9	170.9
65°	982.1	831.9	515.5	305.3	216.4	185.6	179.0	178.6	176.3	169.0	168.2
67°	970.5	816.9	495.5	291.8	208.7	180.9	175.5	175.5	173.6	167.1	166.7
67.5°	966.3	811.1	490.1	288.3	207.1	180.2	174.8	175.2	173.2	166.7	165.5
70°	929.3	772.3	457.0	268.7	196.3	173.2	169.8	170.2	168.6	163.6	162.5
72.5°	872.0	716.4	418.1	249.9	185.6	166.3	162.8	164.4	162.8	159.0	156.7
75°	794.6	648.3	377.7	228.3	174.8	157.8	155.5	156.3	155.9	152.1	150.1
77.5°	703.4	573.2	334.5	208.3	162.8	149.4	147.1	148.2	147.4	144.0	141.7
80°	604.4	493.9	293.0	188.3	150.5	139.7	137.4	137.8	137.4	134.0	130.9
82.5°	507.4	416.2	250.6	168.6	138.6	129.4	126.7	126.3	125.5	121.7	119.3
85°	418.9	341.9	214.0	149.8	126.3	117.8	115.5	114.0	112.8	108.6	107.0
87.5°	333.8	279.5	180.9	133.6	114.0	107.0	103.9	101.2	99.3	95.5	93.9
90°	266.4	225.2	154.4	117.0	102.8	96.6	92.4	88.9	86.6	82.4	80.1
92.5°	211.4	179.4	129.7	102.8	92.0	86.6	82.8	78.5	75.5	70.1	68.9
95°	167.5	144.4	109.3	90.1	81.6	77.0	73.5	68.9	64.7	59.3	58.1
97.5°	132.4	117.8	92.0	78.9	72.0	68.1	64.7	60.1	55.4	50.0	49.3
100°	105.9	94.7	78.9	68.9	64.3	60.4	57.0	52.7	47.0	41.6	41.6
102.5°	85.1	77.8	66.2	60.4	56.6	53.5	50.4	46.2	40.0	34.3	34.3
105°	68.9	64.3	57.0	52.7	50.0	47.7	44.7	39.7	33.5	28.9	28.9
107.5°	56.6	53.1	48.9	45.8	44.3	42.0	39.3	34.3	28.5	24.3	24.3



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CATALOG NUMBER: LXF.LXT-PA1-30-730-U-T3-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	47.0	44.7	41.6	40.4	39.3	37.3	34.3	29.6	23.9	20.8	20.8
112.5°	39.3	38.1	35.8	35.4	34.6	33.1	30.0	25.4	20.0	18.1	18.1
115°	33.5	32.7	31.2	31.2	30.4	29.3	26.2	21.9	17.3	15.4	15.8
117.5°	28.5	28.1	27.3	27.3	26.9	25.8	22.7	18.9	14.6	13.9	13.9
120°	25.0	24.6	24.3	23.9	23.9	22.3	19.6	15.8	12.7	12.3	12.3
122.5°	21.6	21.6	21.2	21.2	20.8	19.2	16.9	13.5	11.2	10.8	10.8
125°	18.9	18.9	18.5	18.5	18.1	16.9	14.6	11.5	9.6	9.6	9.6
127.5°	16.6	16.6	16.2	16.2	15.8	14.2	12.3	9.6	8.5	8.5	8.9
130°	14.6	14.6	14.2	13.9	13.5	12.3	10.0	8.1	7.3	7.7	7.7
132.5°	12.7	12.3	12.3	11.9	11.2	10.0	8.5	6.9	6.5	6.9	6.9
135°	10.8	10.8	10.4	10.0	9.2	8.5	6.9	5.8	5.8	6.2	6.2
137.5°	9.2	9.2	8.9	8.1	7.7	6.5	5.4	4.6	5.0	5.4	5.4
140°	7.3	7.7	7.3	6.5	5.8	5.0	4.2	3.8	4.2	4.6	5.0
142.5°	6.2	6.2	5.8	5.0	4.2	3.5	3.1	3.1	3.8	4.2	4.2
145°	4.6	4.6	4.2	3.8	2.7	2.3	1.9	2.7	3.1	3.5	3.5
147.5°	3.1	3.1	3.1	2.3	1.5	1.2	1.2	1.9	2.7	2.7	2.7
150°	1.9	1.9	1.9	1.5	0.8	0.4	0.8	1.5	1.9	2.3	2.3
152.5°	1.2	1.2	1.2	0.8	0.4	0.0	0.4	1.2	1.5	1.5	1.5
155°	0.8	0.8	0.8	0.4	0.4	0.0	0.4	0.8	1.2	1.2	1.2
157.5°	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.8	0.8	0.8	0.8
160°	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.8	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)