

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: P414861

Luminaire Tested: **LXF.LXT-PA1-30-827-U-T4W-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414861
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-23)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-30-827-U-T4W-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2676 lumens
Efficiency: N/A
Efficacy: 86.3 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 - 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

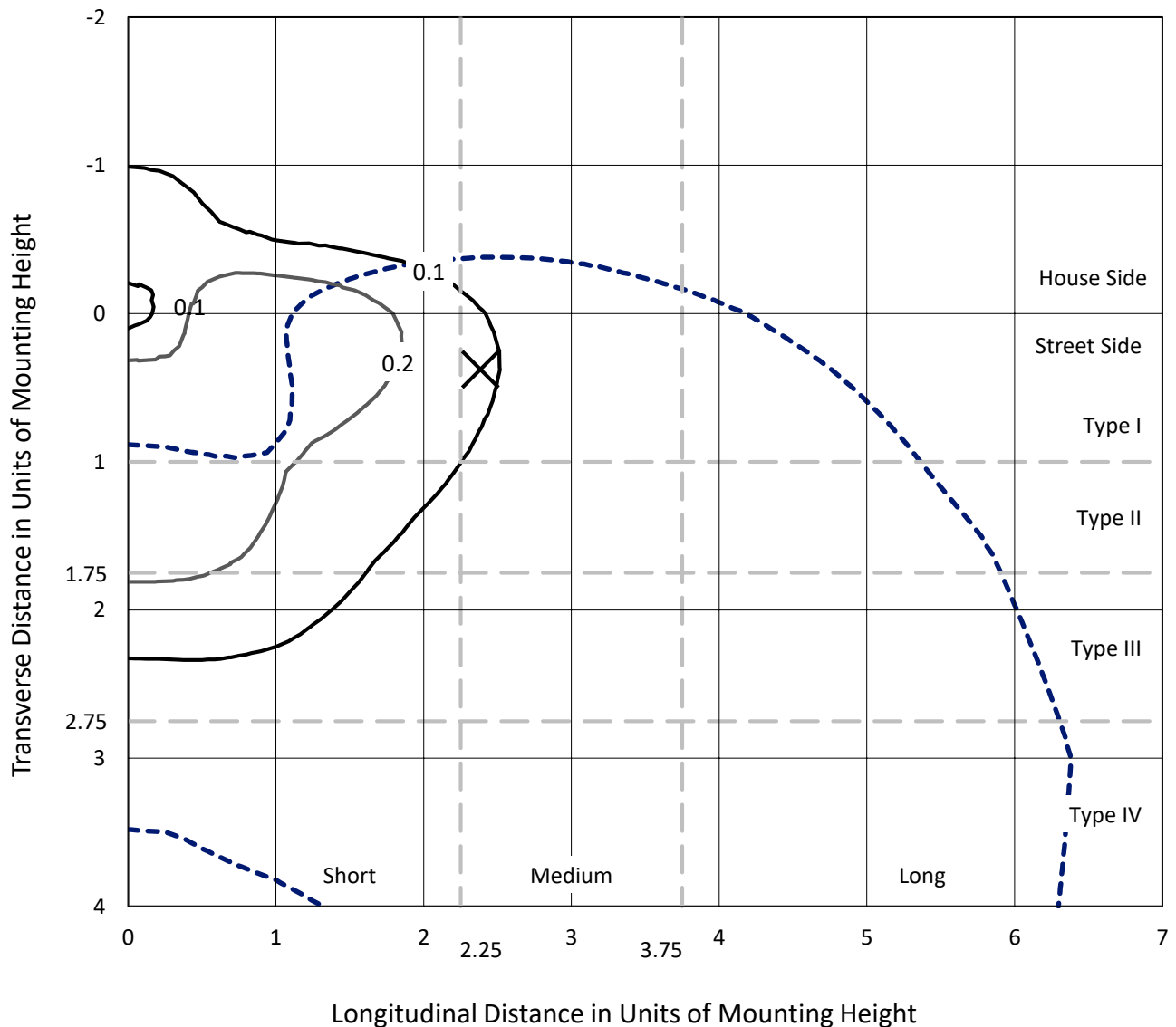


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

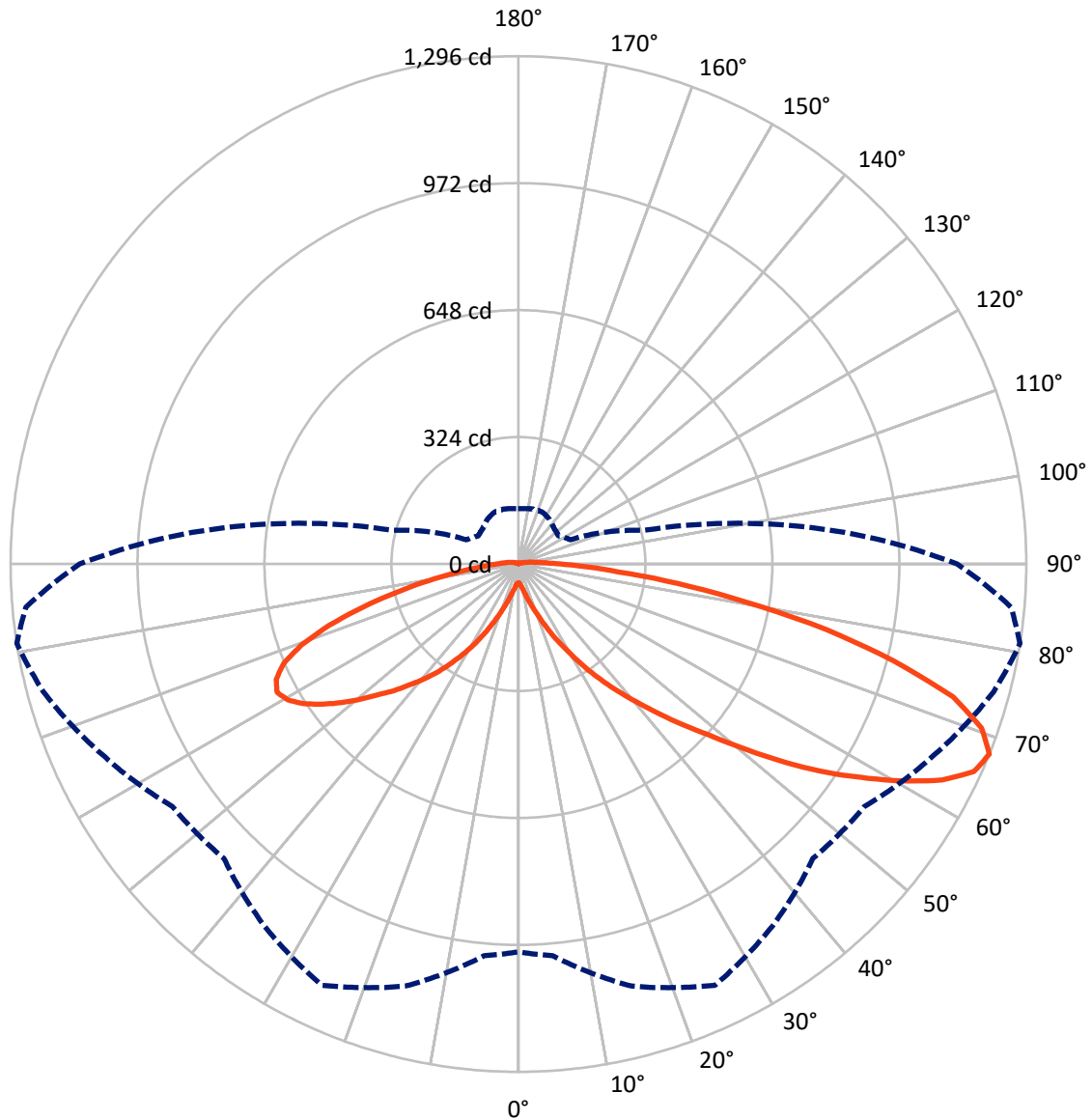


Based on 25 foot mounting height. Maximum calculated value = 0.4 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 81-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	585.8	41.7	627.4
	% Fixture	21.9	1.6	23.4
Street Side	Lumens	1996.2	52.4	2048.6
	% Fixture	74.6	2.0	76.6
Total	Lumens	2582.0	94.0	2676.0
	% Fixture	96.5	3.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.5	0.2
10°-20°	27.6	1.0
20°-30°	82.4	3.1
30°-40°	178.9	6.7
40°-50°	313.7	11.7
50°-60°	497.1	18.6
60°-70°	670.8	25.1
70°-80°	575.6	21.5
80°-90°	230.3	8.6
90°-100°	56.0	2.1
100°-110°	19.7	0.7
110°-120°	9.0	0.3
120°-130°	4.9	0.2
130°-140°	2.7	0.1
140°-150°	1.3	0.0
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2582.0	96.5
0°-180°	2676.0	100.0



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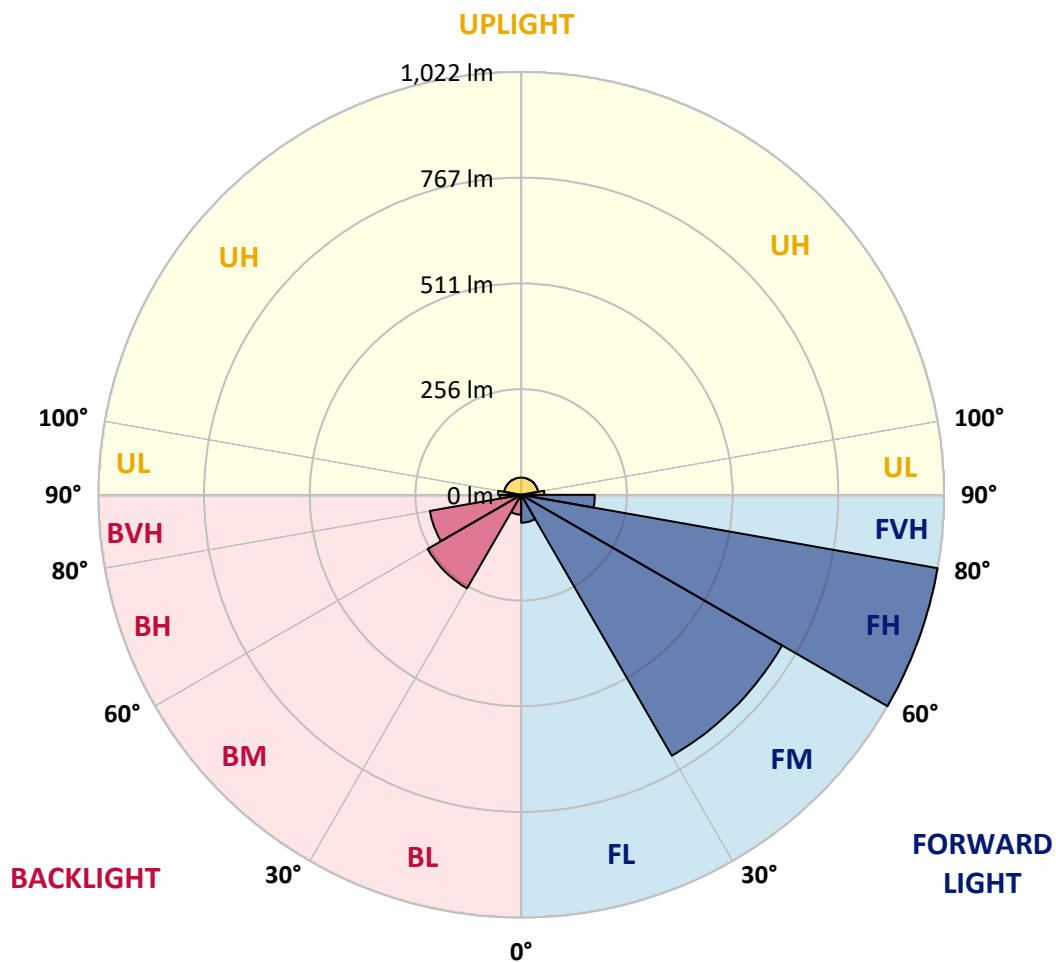
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	67.5	2.5			
FM	(30°-60°)	728.4	27.2			
FH	(60°-80°)	1022.3	38.2			G1/1800
FVH	(80°-90°)	178.0	6.7			G2/225
BL	(0°-30°)	48.0	1.8	B0/110		
BM	(30°-60°)	261.3	9.8	B1/1000		
BH	(60°-80°)	224.1	8.4	B1/500		G1/500
BVH	(80°-90°)	52.3	2.0			G1/100
UL	(90°-100°)	56.0	2.1		U3/500	
UH	(100°-180°)	41.7	1.6		U2/50	

BUG Rating: B1-U3-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
0°	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
2.5°	52.5	52.2	52.2	52.5	52.5	52.5	51.6	50.7	49.7	49.4	49.1
5°	59.7	59.1	59.1	59.1	58.7	57.8	56.6	55.3	54.1	53.5	52.8
7.5°	69.0	68.7	68.4	67.4	67.1	65.6	63.7	61.8	60.0	59.4	58.7
10°	81.7	81.4	79.9	79.6	78.0	76.5	73.7	70.9	68.4	67.4	66.5
12.5°	97.9	97.9	95.7	93.2	91.4	88.3	85.8	82.4	80.5	79.3	78.0
15°	119.0	117.8	115.0	112.2	107.2	103.5	99.8	97.9	96.7	95.1	93.2
17.5°	142.3	140.8	138.3	132.7	126.2	120.9	117.5	115.6	115.0	114.1	111.9
20°	170.3	168.4	165.0	156.3	149.2	142.0	138.0	137.1	137.7	136.1	134.0
22.5°	203.6	202.3	195.2	184.3	174.4	164.4	160.7	161.3	162.5	164.7	163.5
25°	241.5	238.4	231.5	216.0	199.5	189.9	186.2	189.0	194.6	197.7	195.2
27.5°	285.6	283.8	270.1	249.9	228.4	215.4	212.6	220.7	230.3	232.8	232.8
30°	332.2	333.5	313.6	289.7	262.6	244.6	241.2	252.7	269.1	270.7	274.7
32.5°	391.3	389.1	368.3	329.1	297.1	273.8	271.6	287.8	308.6	316.7	316.7
35°	453.1	451.0	425.5	379.2	334.7	304.6	306.1	323.2	351.5	361.8	363.3
37.5°	524.3	517.2	489.5	432.0	375.7	340.3	337.5	363.3	396.6	411.2	411.2
40°	602.6	598.6	560.0	492.0	417.7	377.3	375.1	405.0	445.4	461.5	464.6
42.5°	678.8	673.5	637.7	550.1	466.2	416.5	416.8	449.4	495.7	518.1	522.1
45°	759.3	754.3	715.1	621.6	518.7	464.9	461.2	501.9	557.3	582.1	586.8
47.5°	830.7	827.3	793.5	692.8	584.0	516.8	511.9	558.8	622.8	650.5	664.5
50°	908.4	904.1	872.4	768.6	648.9	572.2	571.9	622.2	702.4	736.0	747.5
52.5°	971.5	966.6	944.5	844.7	713.3	636.8	631.5	693.4	784.8	832.9	838.5
55°	1029.7	1027.8	1020.3	926.5	791.6	700.2	703.6	777.0	878.6	933.0	941.4
57.5°	1071.6	1074.1	1077.5	1008.5	868.4	771.1	777.3	860.9	976.2	1026.9	1038.4
60°	1100.2	1108.9	1131.6	1080.0	946.7	848.5	859.0	943.9	1070.1	1124.1	1133.5
62.5°	1102.4	1111.7	1164.5	1146.8	1021.9	927.7	939.8	1029.3	1154.0	1214.0	1214.9
65°	1061.0	1073.8	1158.3	1182.9	1088.1	1003.5	1014.4	1105.5	1224.2	1277.4	1258.1
67.5°	989.9	1003.2	1115.1	1186.0	1129.1	1062.6	1078.1	1164.5	1255.9	1296.0	1261.8
70°	886.7	899.7	1017.5	1139.1	1136.6	1097.4	1117.9	1188.8	1250.0	1254.0	1205.9
72.5°	751.2	749.9	877.1	1036.5	1095.2	1094.6	1127.2	1170.4	1182.6	1159.9	1088.4
75°	575.3	591.4	707.4	888.2	1001.1	1045.2	1078.1	1094.6	1059.8	989.6	912.2
77.5°	412.1	425.5	530.8	700.2	861.2	942.6	979.0	971.2	884.8	802.5	713.6
80°	272.9	280.6	368.6	522.8	694.3	788.8	832.6	802.8	693.1	587.7	510.9
82.5°	163.8	176.5	231.9	367.4	515.0	623.4	650.2	600.5	494.8	409.0	352.7
85°	99.1	101.9	144.2	235.0	359.6	448.5	474.0	420.5	325.4	255.5	212.0
87.5°	55.6	60.6	89.2	152.9	241.8	311.4	320.4	276.9	204.2	158.5	132.7
90°	32.6	36.1	54.7	94.8	154.2	201.4	203.9	167.5	120.9	95.4	84.8
92.5°	20.8	23.3	36.4	60.9	99.1	130.8	127.4	103.5	77.4	63.7	55.0
95°	14.9	16.2	25.5	42.0	66.5	82.4	81.1	65.0	51.9	44.4	40.4
97.5°	11.2	12.4	19.9	30.8	44.8	55.3	54.1	43.2	36.1	32.6	31.1
100°	9.3	9.9	16.2	24.2	33.3	39.8	39.2	32.0	27.0	24.6	23.9
102.5°	8.1	8.7	13.4	19.6	26.4	30.8	29.5	24.9	20.5	18.3	17.7
105°	7.1	7.5	11.5	16.8	21.8	24.2	23.9	19.9	15.9	13.7	13.4
107.5°	6.5	6.8	9.9	14.3	18.3	20.5	19.9	16.2	12.1	10.6	10.3
110°	5.9	6.2	8.7	12.4	15.5	17.4	16.5	13.4	9.6	8.1	8.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
112.5°	5.6	5.6	7.8	10.6	13.4	14.9	14.0	10.9	7.5	6.5	6.8
115°	5.3	5.3	6.8	9.3	11.8	13.1	11.8	9.0	6.2	5.6	5.6
117.5°	5.0	5.0	6.2	8.4	10.6	11.5	10.3	7.8	5.3	4.7	5.0
120°	4.7	5.0	5.9	7.5	9.3	9.9	9.0	6.5	4.4	4.4	4.7
122.5°	4.7	4.7	5.6	6.8	8.4	8.7	7.8	5.6	4.0	4.0	4.0
125°	4.7	4.7	5.3	6.2	7.5	7.8	6.5	4.7	3.7	3.7	3.7
127.5°	4.7	4.7	5.0	5.9	6.5	6.8	5.9	4.4	3.4	3.4	3.7
130°	4.4	4.7	4.7	5.3	5.9	5.9	5.0	3.7	3.1	3.1	3.4
132.5°	4.4	4.4	4.7	5.0	5.3	5.3	4.4	3.4	2.8	3.1	3.1
135°	4.4	4.4	4.4	4.7	5.0	4.7	3.7	2.8	2.5	2.8	2.8
137.5°	4.0	4.0	4.0	4.4	4.4	4.0	3.4	2.5	2.5	2.5	2.5
140°	3.7	3.7	3.7	3.7	4.0	3.7	2.8	2.2	2.2	2.2	2.2
142.5°	3.4	3.4	3.4	3.4	3.4	3.1	2.5	1.9	1.9	1.9	1.9
145°	3.1	3.1	3.1	3.1	2.8	2.5	1.9	1.6	1.6	1.9	1.9
147.5°	2.5	2.5	2.5	2.5	2.5	2.2	1.6	1.2	1.6	1.6	1.6
150°	2.2	2.2	2.2	2.2	1.9	1.9	1.2	1.2	1.2	1.6	1.6
152.5°	1.6	1.6	1.6	1.9	1.6	1.2	0.9	0.9	1.2	1.2	1.2
155°	1.2	1.2	1.2	1.2	1.2	0.9	0.6	0.9	1.2	1.2	1.2
157.5°	0.6	0.9	0.9	0.9	0.9	0.9	0.6	0.9	0.9	0.9	0.9
160°	0.3	0.3	0.6	0.6	0.9	0.9	0.6	0.6	0.9	0.9	0.9
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°	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
2.5°	49.1	48.8	48.5	48.2	47.9	47.9	47.6	47.2	46.9	46.6	46.6
5°	52.5	51.9	51.0	50.3	49.7	49.7	49.1	48.8	48.2	47.9	47.9
7.5°	57.8	57.5	55.6	54.7	53.8	53.5	52.8	52.2	51.6	51.6	51.6
10°	65.6	64.6	63.1	60.6	59.7	59.1	58.1	57.5	57.5	57.8	57.8
12.5°	77.4	74.9	72.7	69.3	67.4	66.2	65.6	65.9	67.4	68.1	67.4
15°	91.1	90.4	85.2	80.2	76.5	74.0	75.5	77.4	79.6	80.2	81.1
17.5°	110.0	107.8	100.7	93.5	86.7	85.5	87.3	90.4	92.9	94.8	96.3
20°	132.7	129.0	120.3	107.8	100.1	98.2	99.5	103.8	108.5	112.2	112.5
22.5°	161.3	155.7	140.2	124.6	113.1	110.0	111.6	118.4	125.2	129.9	129.6
25°	192.4	185.5	164.7	142.3	126.5	120.9	123.7	132.7	142.3	147.9	148.6
27.5°	227.2	220.4	191.4	159.4	138.6	130.2	134.9	145.1	158.2	165.0	166.3
30°	268.2	258.9	218.2	177.8	149.8	138.9	143.3	156.6	170.9	180.6	181.8
32.5°	310.8	296.2	244.9	192.7	157.6	144.5	149.5	165.0	181.5	192.1	193.9
35°	354.9	336.9	271.9	205.4	163.2	147.9	152.9	170.3	187.7	199.2	200.8
37.5°	404.7	380.7	296.5	215.1	166.3	148.9	153.8	171.2	189.0	200.2	201.7
40°	454.7	422.7	317.0	221.0	166.6	147.9	152.0	168.8	185.5	195.2	196.7
42.5°	508.5	466.8	337.5	222.5	165.0	145.5	148.9	163.8	178.1	185.5	186.5
45°	568.7	517.8	354.9	221.3	160.7	141.7	144.2	157.0	168.1	171.6	173.1
47.5°	632.5	568.1	368.3	217.6	156.3	137.7	139.2	149.8	157.0	157.3	157.6
50°	710.2	629.4	384.8	212.3	150.4	134.0	134.9	143.3	146.7	145.1	144.5
52.5°	795.3	694.9	395.3	203.9	145.1	130.5	131.5	138.0	139.2	135.8	136.1
55°	887.9	756.2	404.3	195.8	139.5	128.4	130.2	135.5	135.5	131.2	130.8
57.5°	974.3	818.6	408.4	185.5	134.9	126.8	129.9	135.2	134.6	130.5	130.2
60°	1057.9	869.6	403.4	175.6	131.8	126.2	131.8	137.4	136.7	133.3	133.0
62.5°	1115.7	901.6	391.0	165.7	129.0	127.1	134.0	140.5	140.5	136.7	136.7
65°	1140.6	897.9	365.5	155.7	126.8	127.7	137.1	143.9	143.3	140.2	139.5
67.5°	1119.8	864.0	331.3	146.1	124.9	128.4	138.6	145.8	145.1	141.7	141.1
70°	1053.0	792.8	290.0	137.4	122.5	127.4	139.2	145.5	144.5	141.4	140.2
72.5°	919.9	682.2	246.8	129.0	118.7	125.2	137.4	143.0	142.0	139.5	138.0
75°	757.7	550.1	203.9	119.7	114.1	121.2	133.3	138.3	137.1	134.9	133.3
77.5°	579.3	415.5	168.4	111.0	108.5	115.9	127.7	131.5	130.2	128.4	127.4
80°	409.9	295.9	135.5	101.3	100.4	107.8	117.8	121.8	121.2	119.3	117.8
82.5°	269.8	196.7	108.2	90.4	91.1	98.8	106.3	108.5	108.2	106.6	104.7
85°	166.3	129.6	85.2	78.0	80.8	87.0	93.2	93.5	92.6	92.3	89.5
87.5°	106.0	88.6	66.8	66.2	70.2	75.5	78.3	77.1	77.7	77.7	75.5
90°	69.0	62.2	53.5	55.3	59.7	63.7	65.0	61.5	63.4	62.5	61.5
92.5°	50.0	46.3	43.5	46.0	50.3	54.1	53.5	49.7	50.7	50.7	50.3
95°	37.9	36.1	36.4	38.8	42.3	44.8	43.5	40.4	40.7	40.1	39.2
97.5°	29.8	29.5	30.8	32.6	35.7	37.3	36.1	33.3	32.9	32.0	31.7
100°	23.6	23.9	25.8	28.0	29.8	31.1	30.1	27.3	26.1	24.6	24.2
102.5°	18.3	19.0	21.4	23.3	25.2	26.1	25.2	23.0	20.8	19.3	19.0
105°	14.3	14.9	17.7	19.6	21.1	21.8	21.1	18.6	16.5	14.6	14.6
107.5°	11.2	11.8	14.6	16.8	17.7	18.3	17.4	15.5	13.1	11.5	11.5
110°	9.0	9.6	12.1	14.0	14.9	15.5	14.6	12.4	10.6	9.3	9.3



REPORT NUMBER: P414861

CATALOG NUMBER: LXF.LXT-PA1-30-827-U-T4W-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	7.1	8.1	9.9	11.8	12.7	13.1	12.1	10.6	8.4	7.8	7.8
115°	6.2	6.8	8.4	9.9	10.9	10.9	10.3	8.7	6.8	6.5	6.5
117.5°	5.3	5.9	7.1	8.7	9.3	9.3	8.7	7.1	5.9	5.6	5.6
120°	5.0	5.3	6.2	7.5	8.1	8.1	7.5	6.2	5.0	5.0	5.0
122.5°	4.4	4.7	5.6	6.5	7.1	7.1	6.5	5.3	4.4	4.7	4.7
125°	4.0	4.4	5.0	5.6	6.2	6.2	5.6	4.7	4.0	4.0	4.0
127.5°	3.7	4.0	4.4	5.0	5.3	5.3	5.0	4.0	3.7	3.7	3.7
130°	3.4	3.7	4.0	4.4	4.7	4.7	4.0	3.4	3.4	3.4	3.4
132.5°	3.4	3.4	3.4	3.7	4.0	4.0	3.7	3.1	3.1	3.1	3.1
135°	3.1	3.1	3.1	3.1	3.4	3.4	3.1	2.8	2.8	2.8	2.8
137.5°	2.8	2.8	2.8	2.8	3.1	3.1	2.8	2.5	2.5	2.5	2.5
140°	2.5	2.5	2.5	2.2	2.5	2.5	2.2	2.2	2.2	2.2	2.2
142.5°	1.9	2.2	1.9	1.9	1.9	1.9	1.9	1.6	1.9	1.9	1.9
145°	1.9	1.9	1.9	1.6	1.6	1.6	1.6	1.2	1.6	1.6	1.6
147.5°	1.6	1.6	1.6	1.2	0.9	1.2	0.9	1.2	1.2	1.2	1.2
150°	1.6	1.6	1.2	1.2	0.9	0.6	0.6	0.9	0.9	0.9	0.9
152.5°	1.2	1.2	1.2	0.9	0.6	0.3	0.3	0.6	0.6	0.6	0.6
155°	1.2	1.2	0.9	0.9	0.6	0.3	0.3	0.3	0.3	0.3	0.3
157.5°	0.9	0.9	0.9	0.6	0.6	0.3	0.0	0.3	0.0	0.0	0.0
160°	0.9	0.9	0.9	0.6	0.3	0.3	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)