

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: P414843

Luminaire Tested: **LXF.LXT-PA1-30-827-U-T2U-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414843
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-25)
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-T2U-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2685 lumens
Efficiency: N/A
Efficacy: 86.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B1 - U2 - G1

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

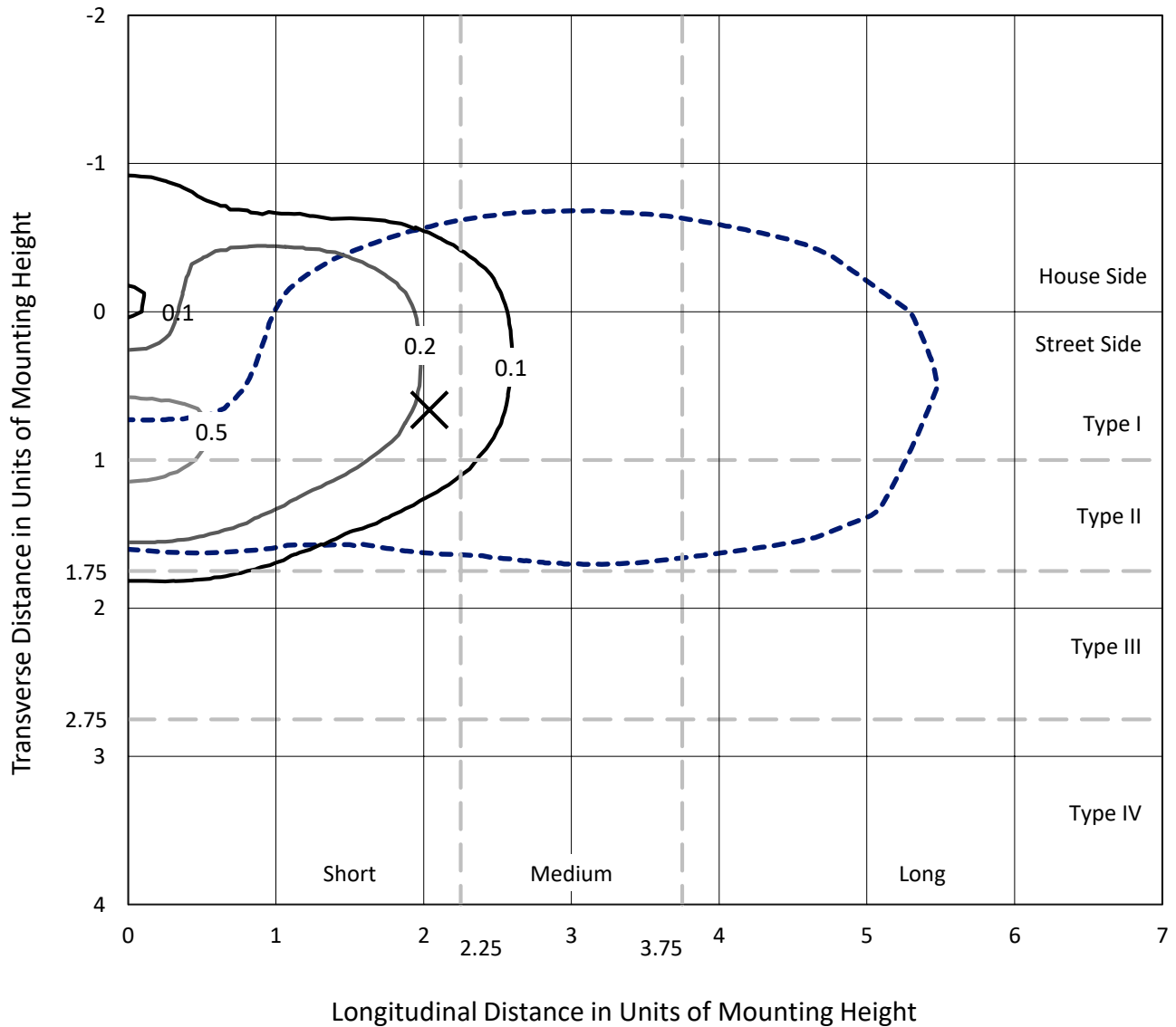


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

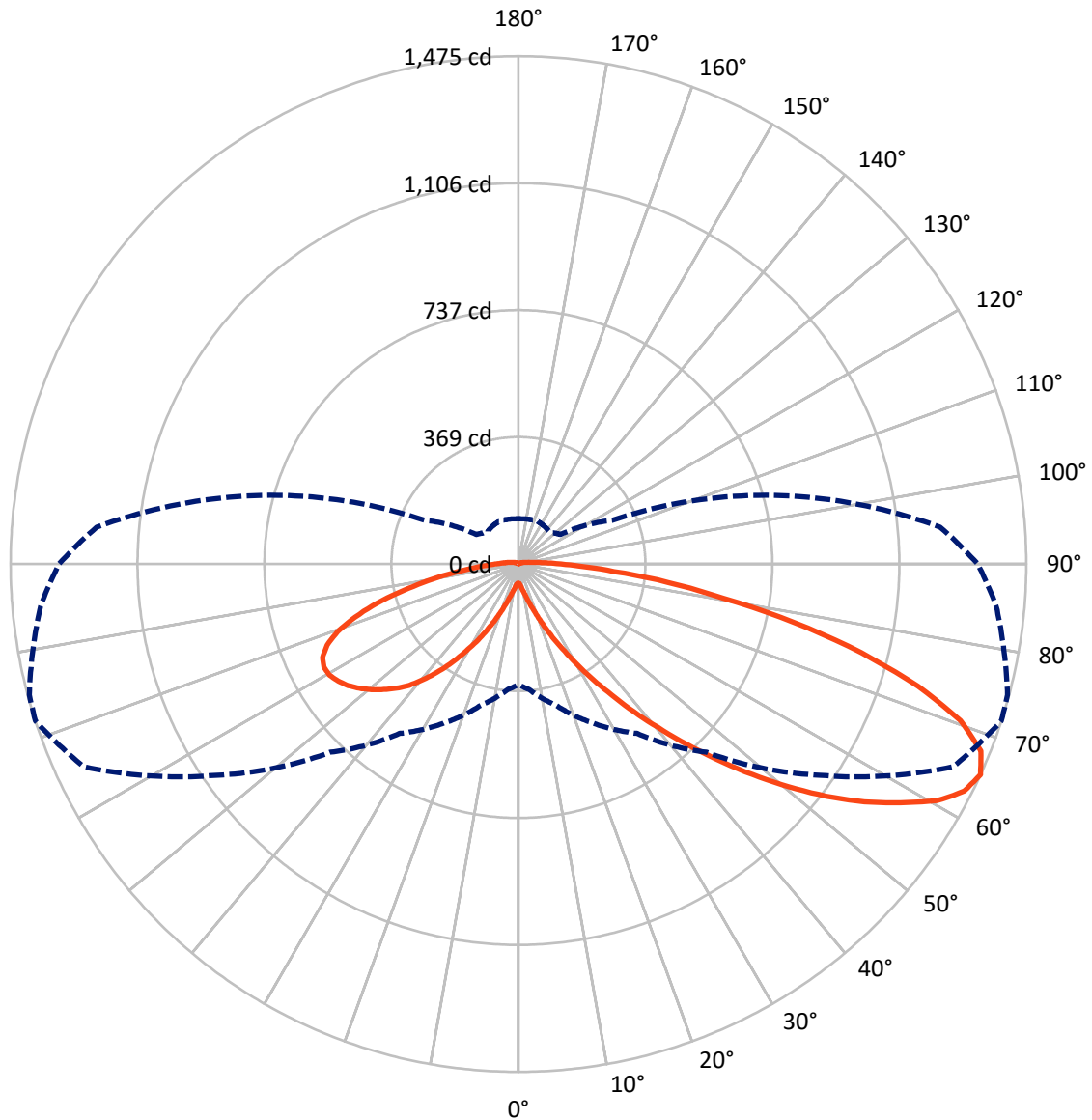


Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	757.0	38.1	795.1
	% Fixture	28.2	1.4	29.6
Street Side	Lumens	1852.7	37.1	1889.9
	% Fixture	69.0	1.4	70.4
Total	Lumens	2609.8	75.2	2685.0
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.4	0.2
10°-20°	32.5	1.2
20°-30°	102.9	3.8
30°-40°	246.5	9.2
40°-50°	455.2	17.0
50°-60°	620.3	23.1
60°-70°	604.8	22.5
70°-80°	394.9	14.7
80°-90°	146.3	5.4
90°-100°	40.7	1.5
100°-110°	17.0	0.6
110°-120°	8.6	0.3
120°-130°	4.9	0.2
130°-140°	2.7	0.1
140°-150°	1.1	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2609.8	97.2
0°-180°	2685.0	100.0



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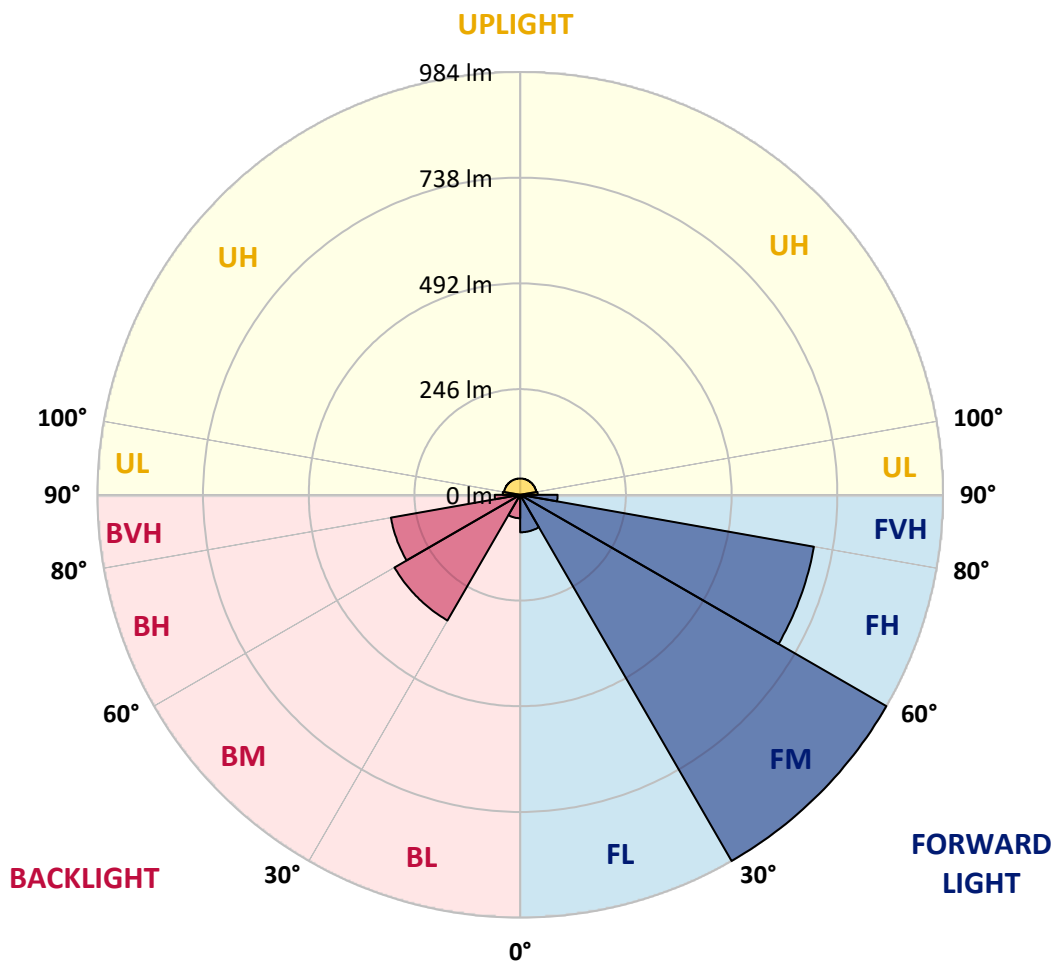
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	87.2	3.2			
FM	(30°-60°)	984.2	36.7			
FH	(60°-80°)	694.3	25.9			G1/1800
FVH	(80°-90°)	87.1	3.2			G1/100
BL	(0°-30°)	54.5	2.0	B0/110		
BM	(30°-60°)	337.9	12.6	B1/1000		
BH	(60°-80°)	305.4	11.4	B1/500		G1/500
BVH	(80°-90°)	59.2	2.2			G1/100
UL	(90°-100°)	40.7	1.5		U2/50	
UH	(100°-180°)	38.1	1.4		U2/50	

BUG Rating: B1-U2-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
2.5°	61.8	61.5	60.9	60.6	60.6	60.0	59.4	58.4	57.8	57.5	56.9
5°	69.9	69.3	68.7	68.1	67.4	66.5	64.9	64.0	62.8	62.5	61.2
7.5°	81.4	80.8	78.9	78.3	77.4	76.1	74.3	72.4	71.2	70.2	68.4
10°	96.6	96.0	94.8	93.2	91.4	88.9	85.8	83.9	80.8	81.4	78.6
12.5°	117.5	115.9	114.4	111.9	108.1	105.3	101.0	99.1	95.7	95.7	92.3
15°	142.6	142.3	139.2	133.9	130.5	124.6	120.9	116.8	114.7	114.7	111.9
17.5°	175.3	173.1	170.6	163.5	155.7	148.5	143.6	140.8	138.3	137.7	133.9
20°	215.7	212.6	208.8	196.1	186.8	178.1	170.9	168.7	166.9	166.6	163.5
22.5°	266.9	260.4	253.6	241.2	226.2	211.0	206.0	201.1	201.4	202.0	194.8
25°	323.8	322.0	309.8	292.1	272.5	255.8	242.1	240.2	242.1	240.8	238.0
27.5°	396.8	390.6	375.4	352.7	321.6	302.1	287.5	286.2	286.5	288.1	283.4
30°	482.0	478.9	459.6	421.7	381.6	355.5	339.7	337.5	341.2	341.5	334.4
32.5°	582.4	576.2	546.6	504.4	449.7	416.4	398.4	397.8	401.8	402.7	397.2
35°	684.0	680.9	651.7	591.1	531.1	480.8	462.4	463.7	466.5	472.1	465.5
37.5°	801.1	792.8	755.2	691.1	615.3	555.0	535.4	539.8	544.1	544.1	535.1
40°	911.8	908.7	869.2	788.7	698.0	642.0	620.6	623.1	622.8	623.1	611.3
42.5°	1014.3	1003.8	969.0	883.5	790.0	733.1	707.3	711.3	715.1	717.9	688.0
45°	1083.6	1074.6	1043.9	959.6	877.0	823.2	806.4	806.4	810.8	809.5	780.0
47.5°	1108.2	1106.9	1083.9	1019.9	944.1	902.5	903.4	906.8	913.3	907.4	865.2
50°	1096.7	1091.7	1087.7	1051.9	999.7	979.8	998.5	1015.9	1016.5	1005.9	952.2
52.5°	1024.6	1025.2	1045.7	1039.2	1015.3	1035.5	1092.3	1123.1	1120.3	1110.0	1045.4
55°	914.9	919.9	955.6	982.9	997.6	1053.5	1161.9	1225.7	1219.4	1205.1	1139.6
57.5°	768.8	785.0	832.8	892.5	944.7	1036.7	1199.9	1314.5	1308.0	1308.0	1233.4
60°	613.4	626.5	697.0	769.8	852.1	980.1	1203.6	1379.8	1395.6	1385.7	1299.9
62.5°	475.8	481.4	554.4	646.1	734.3	885.1	1160.7	1410.9	1452.8	1444.4	1359.6
65°	350.2	366.1	425.1	509.0	600.4	772.9	1069.0	1392.5	1474.6	1470.2	1392.5
67.5°	260.4	267.6	317.0	394.7	485.1	633.3	935.4	1312.4	1448.5	1452.2	1387.6
70°	195.2	197.0	235.6	299.6	376.6	499.7	779.7	1184.3	1361.8	1378.5	1343.1
72.5°	147.6	151.0	183.0	233.4	290.6	384.7	616.2	1010.3	1213.8	1255.5	1242.1
75°	115.6	119.6	141.7	180.6	224.7	291.2	466.5	804.6	1028.3	1082.1	1097.0
77.5°	91.4	95.7	114.4	144.2	175.3	224.7	342.8	601.9	821.3	875.1	918.6
80°	71.8	74.9	91.4	113.4	138.0	165.9	240.2	437.6	603.2	670.3	710.1
82.5°	54.7	58.1	70.9	89.5	108.1	126.8	171.5	297.7	437.6	468.0	535.8
85°	39.8	42.9	53.5	68.7	83.3	98.2	125.5	198.6	278.8	315.1	349.3
87.5°	29.2	30.5	39.8	51.0	64.0	74.3	90.4	126.8	177.1	195.2	223.7
90°	20.5	21.8	29.2	37.6	48.5	58.1	66.5	83.9	110.3	126.5	131.8
92.5°	15.2	16.2	21.8	28.3	37.3	45.1	50.3	59.4	71.8	78.6	83.0
95°	11.5	12.4	17.1	22.4	28.9	35.4	39.5	42.9	50.0	51.9	55.6
97.5°	9.3	9.9	14.0	18.3	23.3	29.2	31.4	33.3	35.7	37.6	39.2
100°	8.1	8.4	11.8	15.5	19.9	23.6	25.5	26.4	28.0	28.6	29.2
102.5°	7.1	7.1	10.3	13.4	17.1	19.9	21.4	21.4	21.8	22.1	21.8
105°	6.2	6.5	9.0	11.8	14.6	17.1	18.3	17.7	17.4	17.1	16.2
107.5°	5.9	5.9	8.1	10.6	13.1	14.9	15.8	14.6	14.0	13.4	12.4
110°	5.3	5.6	7.1	9.3	11.5	13.1	13.7	12.4	11.2	10.6	9.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	5.0	5.3	6.5	8.4	10.3	11.8	11.8	10.6	9.0	8.4	7.8
115°	5.0	5.0	5.9	7.5	9.3	10.6	10.6	9.0	7.5	6.8	6.5
117.5°	5.0	5.0	5.6	6.8	8.4	9.3	9.3	7.8	6.2	5.6	5.6
120°	4.7	4.7	5.3	6.2	7.8	8.4	8.1	6.8	5.3	5.0	5.0
122.5°	4.7	4.7	5.0	5.9	7.1	7.8	7.5	5.9	4.7	4.0	4.4
125°	5.0	4.7	5.0	5.6	6.5	6.8	6.5	5.0	4.0	3.7	4.0
127.5°	5.0	5.0	4.7	5.3	5.9	6.2	5.9	4.4	3.4	3.4	3.7
130°	5.0	5.0	4.7	5.0	5.3	5.6	5.0	3.7	3.1	3.1	3.4
132.5°	5.0	5.0	4.7	4.7	5.0	5.0	4.4	3.1	2.8	2.8	3.1
135°	5.0	5.0	4.4	4.4	4.4	4.4	3.7	2.8	2.5	2.5	2.8
137.5°	4.7	4.7	4.4	4.0	4.0	3.7	3.1	2.2	1.9	2.2	2.5
140°	4.4	4.4	4.0	3.4	3.4	3.1	2.5	1.9	1.6	1.9	1.9
142.5°	4.0	4.0	3.7	3.1	2.8	2.5	2.2	1.2	1.2	1.2	1.6
145°	3.7	3.7	3.4	2.5	2.2	1.9	1.6	0.9	0.9	0.9	1.2
147.5°	3.1	3.1	2.8	2.2	1.6	1.6	0.9	0.6	0.9	0.9	0.9
150°	2.5	2.5	2.2	1.6	1.2	0.9	0.3	0.6	0.6	0.6	0.9
152.5°	2.2	2.2	1.6	1.2	0.6	0.3	0.3	0.3	0.6	0.6	0.6
155°	1.6	1.6	1.2	0.6	0.3	0.0	0.3	0.3	0.3	0.3	0.3
157.5°	0.9	0.9	0.6	0.3	0.0	0.0	0.0	0.3	0.3	0.3	0.3
160°	0.3	0.3	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
2.5°	56.2	56.2	55.9	55.6	55.3	55.0	54.4	54.1	54.1	53.8	53.8
5°	60.6	60.3	59.4	58.4	57.2	56.6	55.6	55.0	54.7	54.4	54.4
7.5°	67.4	66.8	64.9	63.4	61.8	60.6	59.0	58.1	57.8	56.9	57.2
10°	77.1	76.1	74.0	71.2	68.4	66.5	64.3	63.1	62.5	61.8	61.2
12.5°	91.1	89.2	85.5	81.7	77.7	74.0	71.8	70.9	71.5	71.2	71.5
15°	110.3	106.9	101.3	95.7	88.6	83.9	83.3	83.0	83.0	83.3	83.9
17.5°	132.1	128.3	121.2	110.9	102.6	97.9	95.1	94.8	96.3	96.6	96.3
20°	160.7	156.9	145.7	131.8	119.6	112.2	108.5	108.5	110.6	111.3	112.5
22.5°	191.4	189.3	174.0	154.8	138.6	126.5	121.2	121.8	124.9	125.9	126.5
25°	234.3	225.6	207.0	180.6	157.2	141.1	133.9	134.2	137.7	140.2	141.1
27.5°	281.6	271.6	244.3	209.8	175.9	153.2	145.1	145.4	149.5	152.6	153.2
30°	332.2	322.3	286.5	238.7	193.3	164.1	153.2	153.5	158.2	161.6	162.2
32.5°	386.3	378.2	328.2	269.7	208.5	171.5	158.5	158.8	162.8	165.9	166.6
35°	454.6	436.3	377.6	297.4	221.3	176.2	161.0	160.7	164.7	167.8	168.4
37.5°	522.1	502.5	424.5	323.2	228.7	177.4	160.4	160.4	163.5	165.9	166.3
40°	595.4	562.8	473.9	343.4	231.5	175.6	158.5	158.2	160.7	161.9	162.2
42.5°	674.4	634.3	522.4	359.6	230.3	171.5	155.1	155.4	156.3	156.3	156.0
45°	745.5	704.8	564.0	370.1	225.9	166.3	151.0	151.3	151.7	149.2	149.2
47.5°	829.1	779.7	603.2	372.6	217.2	161.0	147.9	148.5	147.0	143.6	143.0
50°	908.4	853.4	642.7	371.7	208.2	155.4	144.8	145.4	142.6	138.0	137.0
52.5°	996.6	926.1	680.0	367.0	197.3	150.4	142.6	143.3	140.2	134.6	133.6
55°	1083.6	1003.1	714.1	358.9	188.0	145.1	140.5	142.0	138.0	132.4	132.1
57.5°	1166.6	1079.6	742.4	347.1	178.1	141.4	138.9	140.8	137.0	131.5	131.1
60°	1240.6	1144.5	765.1	335.6	167.2	137.7	137.4	139.8	136.4	131.8	131.5
62.5°	1292.5	1203.0	775.4	320.1	158.5	133.6	135.5	138.0	135.5	131.8	131.8
65°	1333.8	1229.1	771.3	299.6	149.2	129.3	133.0	135.5	133.9	131.5	131.8
67.5°	1326.0	1228.4	744.9	275.0	140.5	124.6	128.7	132.1	130.8	129.9	129.6
70°	1278.2	1170.3	694.2	248.3	131.5	118.7	123.4	126.8	126.5	126.2	126.2
72.5°	1179.7	1069.6	618.4	217.5	122.1	112.5	116.5	119.6	120.3	120.0	119.0
75°	1051.0	931.0	530.5	188.6	112.5	105.0	109.4	111.3	112.2	111.6	111.6
77.5°	862.4	776.3	421.7	159.4	102.2	96.6	99.8	101.3	102.6	101.0	100.1
80°	685.2	590.5	324.4	130.2	91.1	87.3	88.9	89.5	90.7	89.2	87.3
82.5°	481.1	420.8	235.2	106.3	79.9	76.8	77.7	77.4	78.0	75.8	73.3
85°	321.3	282.8	161.9	85.5	68.4	65.6	65.6	64.6	64.0	61.8	60.0
87.5°	201.7	179.0	111.3	67.4	57.5	55.3	54.1	52.2	51.6	50.0	47.9
90°	124.3	114.4	77.7	54.1	47.9	46.0	44.7	42.0	41.6	39.2	37.6
92.5°	81.4	74.6	57.5	43.8	40.1	38.2	36.7	34.2	33.9	32.0	31.1
95°	53.8	52.2	43.8	36.7	33.9	32.3	30.8	28.6	28.0	26.1	24.9
97.5°	39.5	39.5	36.0	31.1	28.9	27.3	26.4	24.6	23.3	21.4	20.8
100°	29.8	30.1	28.9	26.7	24.9	23.3	22.4	20.8	19.9	18.0	17.7
102.5°	23.0	23.6	23.9	22.7	21.4	20.2	19.3	18.0	16.8	14.9	14.6
105°	17.7	18.3	19.6	19.3	18.6	17.7	16.8	15.5	14.0	12.4	12.4
107.5°	13.7	14.3	16.2	16.5	16.2	15.2	14.6	13.4	12.1	10.6	10.6
110°	10.6	11.5	13.4	14.0	14.0	13.4	12.7	11.5	9.9	9.0	9.0



REPORT NUMBER: P414843

CATALOG NUMBER: LXF.LXT-PA1-30-827-U-T2U-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	8.7	9.6	11.2	12.1	12.1	11.8	10.9	9.6	8.4	7.8	7.8
115°	7.1	8.1	9.6	10.6	10.6	10.3	9.6	8.4	7.1	6.8	6.8
117.5°	6.2	6.8	8.1	9.0	9.3	9.0	8.4	7.1	6.2	6.2	6.2
120°	5.6	6.2	7.1	7.8	8.1	7.8	7.1	6.2	5.3	5.6	5.6
122.5°	5.0	5.3	6.2	7.1	7.1	7.1	6.5	5.3	4.7	5.0	5.0
125°	4.4	5.0	5.6	6.2	6.5	6.2	5.6	4.7	4.0	4.4	4.7
127.5°	4.0	4.4	5.0	5.6	5.6	5.6	5.0	4.0	3.7	4.0	4.0
130°	3.7	4.0	4.4	5.0	5.0	5.0	4.4	3.4	3.4	3.7	3.7
132.5°	3.4	3.7	4.0	4.4	4.4	4.4	3.7	3.1	2.8	3.4	3.4
135°	3.1	3.1	3.4	3.7	3.7	3.7	3.1	2.5	2.5	3.1	3.1
137.5°	2.5	2.8	3.1	3.1	3.1	3.1	2.5	2.2	2.2	2.5	2.5
140°	2.2	2.2	2.5	2.5	2.5	2.5	2.2	1.6	1.9	2.2	2.2
142.5°	1.9	1.9	2.2	2.2	2.2	1.9	1.6	1.2	1.6	1.9	1.9
145°	1.2	1.6	1.6	1.6	1.6	1.2	0.9	0.9	1.2	1.6	1.6
147.5°	1.2	1.2	1.2	1.2	1.2	0.9	0.6	0.6	0.9	1.2	1.2
150°	0.9	0.9	1.2	1.2	0.9	0.6	0.3	0.3	0.6	0.9	0.9
152.5°	0.6	0.6	0.9	0.9	0.6	0.3	0.0	0.0	0.3	0.3	0.3
155°	0.6	0.6	0.6	0.6	0.6	0.3	0.0	0.0	0.0	0.0	0.0
157.5°	0.3	0.3	0.6	0.6	0.3	0.3	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.3	0.3	0.3	0.3	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)