

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: P414569

Luminaire Tested: **LXF.LXT-PA1-30-727-U-T2R-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414569
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-4)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-30-727-U-T2R-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3131 lumens
Efficiency: N/A
Efficacy: 101.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Medium - 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

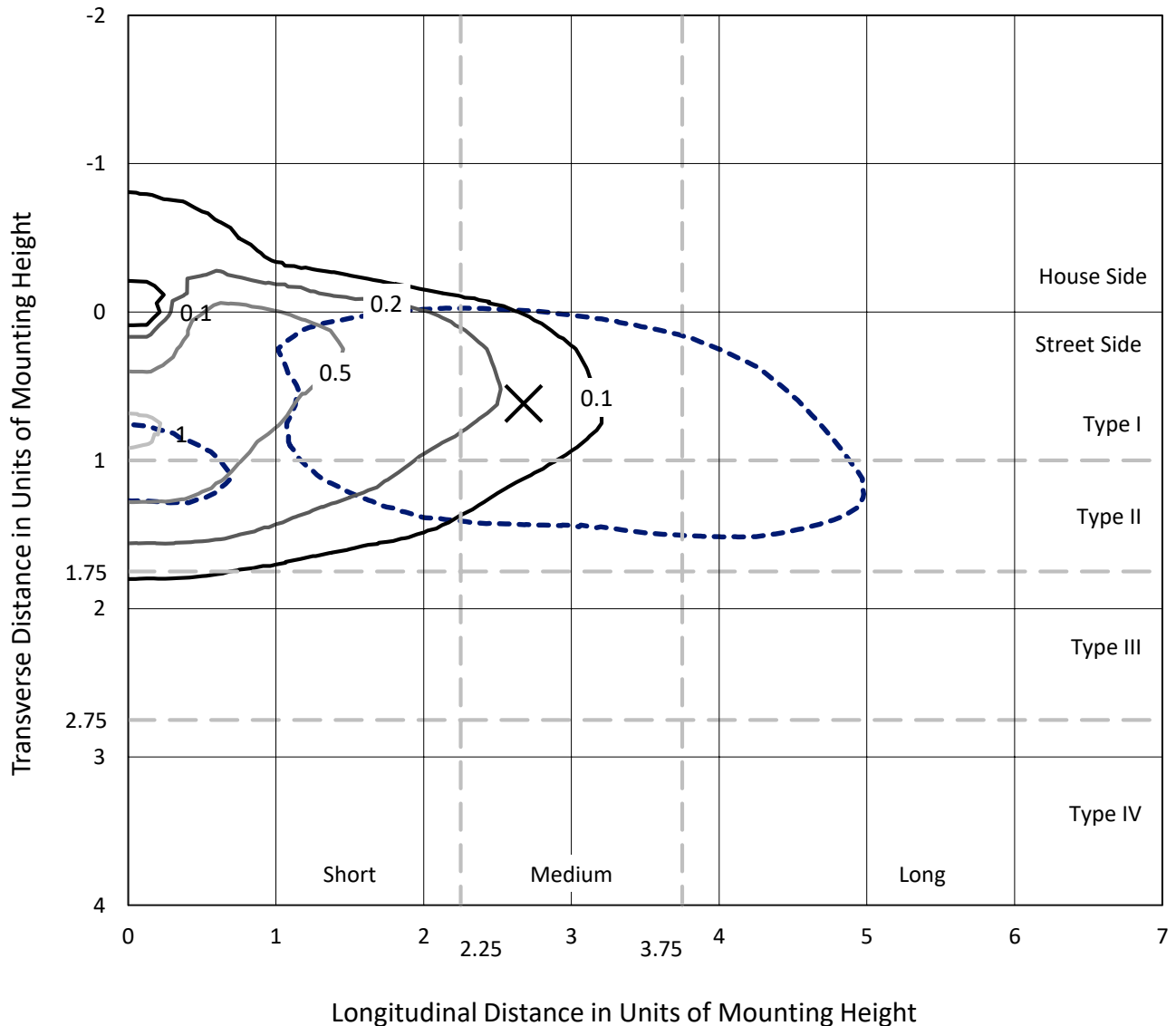


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

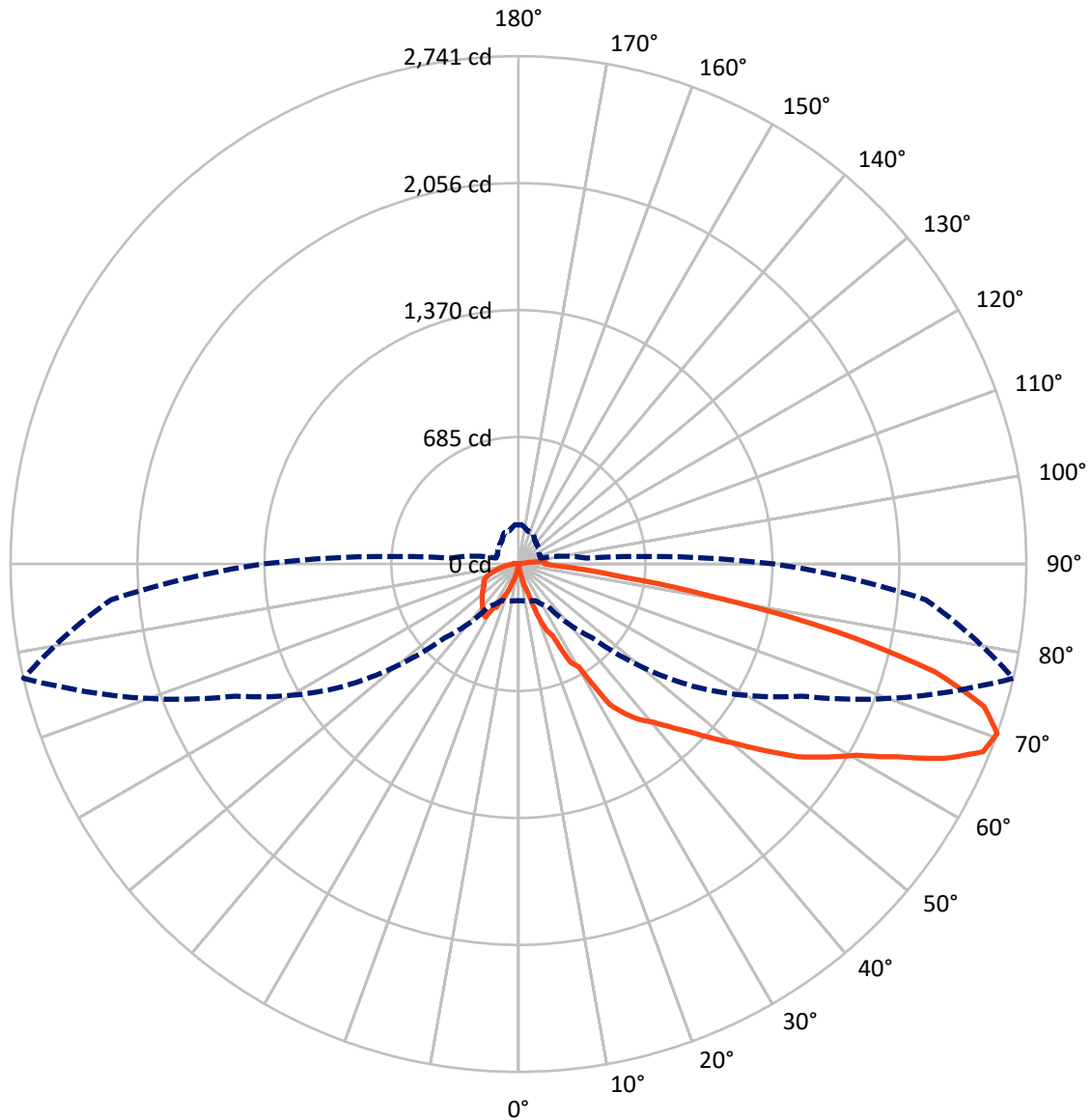


Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type II - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	529.6	23.2	552.8
	% Fixture	16.9	0.7	17.7
Street Side	Lumens	2549.3	28.9	2578.2
	% Fixture	81.4	0.9	82.3
Total	Lumens	3078.9	52.2	3131.0
	% Fixture	98.3	1.7	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.5	0.1
10°-20°	37.3	1.2
20°-30°	147.6	4.7
30°-40°	356.3	11.4
40°-50°	576.4	18.4
50°-60°	689.3	22.0
60°-70°	674.1	21.5
70°-80°	466.0	14.9
80°-90°	129.3	4.1
90°-100°	34.0	1.1
100°-110°	7.0	0.2
110°-120°	3.7	0.1
120°-130°	3.0	0.1
130°-140°	2.0	0.1
140°-150°	1.7	0.1
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3078.9	98.3
0°-180°	3131.0	100.0



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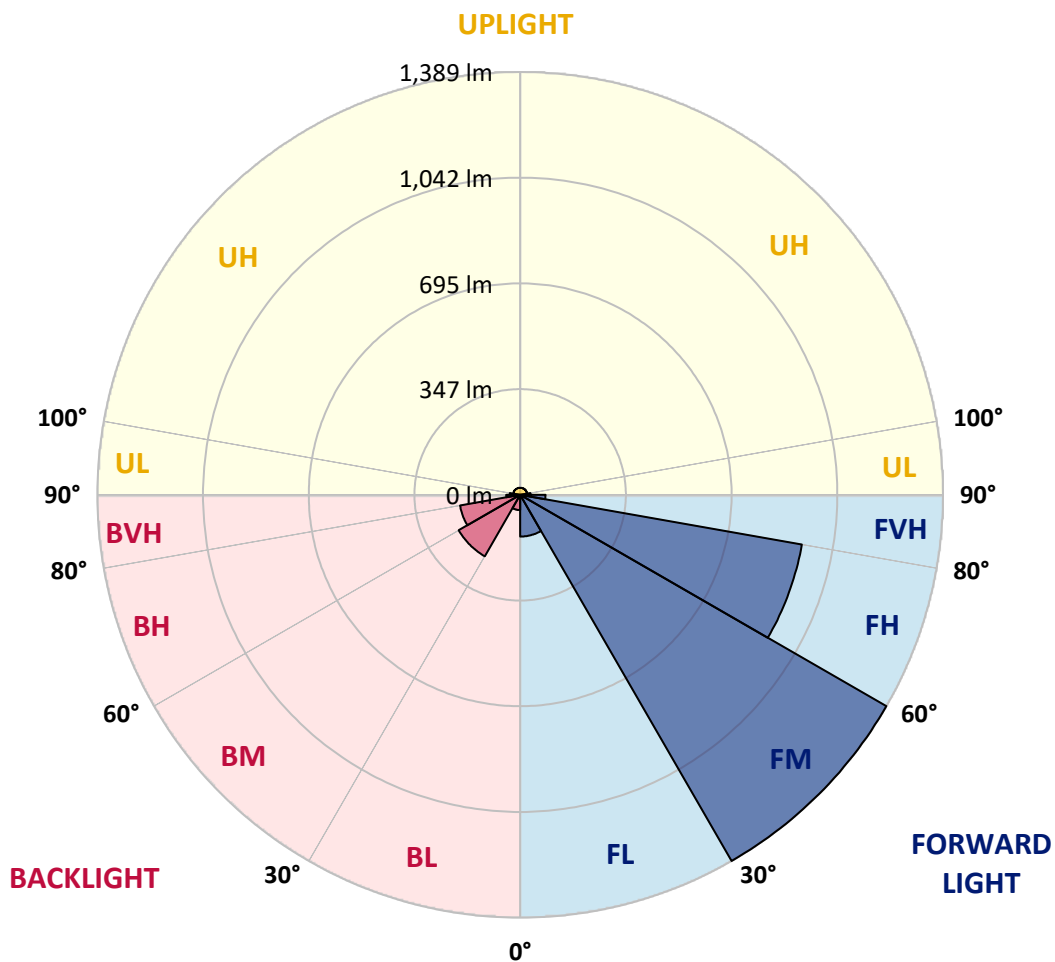
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	137.2	4.4			
FM (30°-60°)	1389.1	44.4			
FH (60°-80°)	939.7	30.0			G1/1800
FVH (80°-90°)	83.3	2.7			G1/100
BL (0°-30°)	50.1	1.6	B0/110		
BM (30°-60°)	232.9	7.4	B1/1000		
BH (60°-80°)	200.5	6.4	B1/500		G1/500
BVH (80°-90°)	46.0	1.5			G1/100
UL (90°-100°)	34.0	1.1		U2/50	
UH (100°-180°)	23.2	0.7		U2/50	

BUG Rating: B1-U2-G1

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
2.5°	3.9	3.5	3.5	3.9	4.6	4.2	3.2	2.5	2.1	2.1	2.1
5°	76.7	74.3	72.5	51.3	11.3	6.7	4.2	3.2	2.5	2.5	2.1
7.5°	91.6	90.2	89.5	87.0	84.2	78.5	14.1	4.6	2.8	2.8	2.5
10°	103.6	102.5	101.1	99.7	95.8	91.9	84.2	11.7	4.6	4.6	3.9
12.5°	211.1	207.9	205.1	145.7	108.2	104.0	96.5	66.1	50.2	48.4	58.3
15°	216.8	216.8	216.8	218.5	215.4	116.0	158.1	198.0	130.8	126.6	130.8
17.5°	230.9	228.8	225.3	226.3	230.6	256.0	235.9	220.3	174.3	154.9	150.6
20°	345.5	343.7	344.8	319.7	245.8	322.5	320.4	248.2	283.2	287.1	279.7
22.5°	368.8	368.5	367.4	366.0	420.1	342.3	368.5	390.4	395.7	387.9	321.8
25°	523.4	519.5	472.4	398.2	450.2	412.0	491.5	432.8	440.6	426.8	407.7
27.5°	598.0	589.8	581.7	559.4	483.4	550.6	523.0	570.7	639.7	602.9	518.8
30°	788.9	793.5	662.0	654.5	598.0	583.8	640.4	670.8	671.5	644.6	582.4
32.5°	971.4	959.0	928.2	796.0	712.2	653.8	742.6	714.3	878.7	904.2	789.6
35°	1150.3	1126.3	1036.1	946.3	831.0	805.9	795.6	894.3	956.5	993.0	854.3
37.5°	1405.3	1387.9	1301.7	1066.9	957.9	867.4	932.8	951.9	1051.0	1066.5	942.7
40°	1499.0	1487.3	1415.5	1231.3	1057.3	968.2	994.4	1021.2	1144.7	1123.1	1009.2
42.5°	1566.2	1561.9	1504.6	1317.2	1186.7	1068.3	1065.4	1079.2	1240.8	1201.2	1075.7
45°	1617.8	1611.8	1577.8	1372.4	1247.9	1130.2	1142.2	1150.7	1325.4	1290.7	1151.7
47.5°	1607.9	1610.4	1615.0	1441.0	1284.3	1190.6	1220.7	1212.2	1394.3	1402.4	1237.0
50°	1531.9	1536.8	1570.8	1468.6	1305.2	1240.1	1288.6	1280.8	1490.5	1524.4	1335.3
52.5°	1305.9	1314.0	1439.9	1425.8	1323.6	1279.0	1358.2	1360.0	1602.9	1675.1	1460.8
55°	956.2	986.9	1140.1	1284.0	1303.4	1291.4	1404.9	1460.4	1732.4	1836.3	1572.9
57.5°	769.1	762.8	868.5	1078.2	1203.7	1276.2	1454.1	1549.9	1850.5	1965.8	1685.0
60°	596.9	599.0	677.2	827.5	1029.0	1238.7	1504.3	1630.5	1995.8	2095.9	1822.2
62.5°	444.5	448.7	505.3	595.1	829.6	1134.1	1519.8	1731.3	2197.7	2292.5	1988.0
65°	322.9	329.9	360.7	415.9	599.4	977.0	1472.5	1806.6	2421.6	2529.4	2165.2
67.5°	242.6	246.5	264.5	298.1	428.2	775.5	1355.4	1802.0	2534.0	2703.8	2241.2
70°	197.3	199.1	205.8	217.8	281.1	562.3	1150.0	1686.0	2558.1	2740.9	2205.9
72.5°	167.6	166.9	167.3	169.0	194.1	384.4	888.3	1468.9	2466.1	2628.1	2046.4
75°	143.2	142.2	142.2	140.4	149.9	269.8	611.8	1185.7	2221.8	2322.2	1723.9
77.5°	122.0	120.2	119.9	116.3	120.6	200.9	405.2	883.0	1757.8	1759.6	1222.1
80°	104.0	100.8	99.4	96.9	101.8	153.1	264.5	576.0	1075.4	1058.0	678.2
82.5°	76.7	76.7	78.9	79.6	87.7	113.5	186.7	342.7	587.0	555.5	393.2
85°	44.2	48.1	56.9	58.0	67.2	75.3	140.4	203.0	328.5	316.8	201.6
87.5°	16.3	15.6	23.7	25.1	28.3	28.3	76.4	111.4	172.2	179.3	158.8
90°	13.4	13.4	9.2	8.5	11.0	18.4	51.6	78.1	129.4	139.0	149.9
92.5°	14.1	14.1	9.2	8.1	10.3	16.3	43.5	73.9	135.8	148.9	154.9
95°	13.4	13.8	8.1	7.4	9.5	13.8	32.5	63.3	130.5	142.9	151.3
97.5°	11.7	12.0	6.7	6.4	8.5	9.9	17.7	31.5	65.1	67.5	70.0
100°	9.5	9.5	5.0	5.3	6.7	6.7	9.2	16.6	15.9	13.1	11.3
102.5°	8.1	8.8	4.6	4.2	5.0	4.2	4.2	6.4	9.5	8.1	11.0
105°	6.7	7.4	3.9	3.5	3.9	3.5	2.8	4.6	7.1	8.1	11.7
107.5°	4.6	5.0	2.8	3.2	3.2	3.2	2.1	3.5	6.7	7.8	12.0
110°	3.2	3.2	2.1	2.8	2.8	3.2	2.1	3.5	5.3	6.0	9.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	2.1	2.1	1.8	2.1	2.5	2.5	2.1	3.2	4.6	5.0	6.7
115°	1.8	1.8	1.4	1.8	2.1	2.1	1.8	2.8	4.6	5.3	7.1
117.5°	2.1	1.8	1.4	1.8	2.1	1.8	1.8	2.5	4.6	5.3	7.1
120°	2.1	2.1	1.8	1.8	1.8	1.8	1.8	2.5	4.6	5.3	7.1
122.5°	2.5	2.1	1.8	1.8	1.8	1.8	1.8	2.1	4.2	5.0	6.7
125°	2.5	2.5	1.8	1.8	2.1	1.8	1.8	2.1	4.2	4.6	6.4
127.5°	2.8	2.5	2.1	1.8	2.1	1.8	1.8	2.1	3.9	4.2	5.7
130°	2.8	2.8	2.1	1.8	2.1	1.8	1.8	1.8	3.2	3.5	5.0
132.5°	2.8	2.8	2.5	2.1	2.5	2.1	1.8	1.8	2.5	2.8	3.9
135°	3.2	2.8	2.8	2.5	2.8	2.5	1.8	1.8	1.8	2.1	2.8
137.5°	3.2	3.2	3.2	2.8	3.2	2.5	1.8	1.8	1.8	1.8	2.1
140°	3.9	3.9	3.5	3.2	3.5	2.8	2.1	1.8	1.8	1.8	2.1
142.5°	4.6	4.6	4.2	3.9	3.5	2.8	2.5	2.1	2.1	2.1	2.1
145°	5.3	5.0	5.0	4.2	3.5	2.8	2.5	2.5	2.5	2.5	2.5
147.5°	5.3	5.3	5.0	3.9	3.2	2.1	2.1	2.8	2.8	2.8	2.8
150°	5.0	5.0	4.2	3.5	2.5	1.8	1.8	2.5	2.8	2.8	2.8
152.5°	3.9	3.5	3.2	2.1	1.8	1.1	1.4	1.8	2.1	2.1	2.5
155°	2.5	2.1	1.8	1.4	1.4	1.1	1.1	1.4	1.4	1.4	1.8
157.5°	1.1	1.1	0.7	0.7	1.1	1.1	1.1	1.1	1.1	1.1	1.1
160°	0.4	0.4	0.4	0.4	1.1	1.1	1.1	0.7	0.7	0.7	0.7
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°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
2.5°	2.1	2.1	2.1	2.1	2.1	1.8	2.1	2.5	2.8	2.8	2.8
5°	2.1	2.1	2.1	2.5	2.5	2.1	2.5	3.2	3.5	3.5	3.5
7.5°	2.5	2.1	2.5	2.8	2.8	2.8	12.4	35.7	39.6	40.3	41.0
10°	3.5	3.5	3.5	3.9	4.2	37.1	43.8	46.0	47.4	48.4	48.8
12.5°	53.7	47.0	29.4	7.8	37.5	46.0	48.4	52.0	53.7	55.9	55.2
15°	120.6	106.8	80.3	68.6	67.2	51.3	53.7	89.5	99.4	101.1	100.8
17.5°	136.5	117.4	89.5	95.5	99.4	77.1	90.5	100.1	101.8	103.6	103.3
20°	253.9	202.3	121.3	105.0	104.0	130.1	96.5	99.7	103.3	121.6	123.8
22.5°	281.8	232.7	158.8	153.8	125.5	132.3	125.9	127.7	138.6	138.6	137.9
25°	352.9	281.5	179.3	157.0	159.5	131.5	147.8	127.7	129.8	129.8	130.1
27.5°	459.0	361.8	238.0	175.0	157.7	159.1	140.4	129.4	148.2	150.3	151.3
30°	491.2	375.5	235.5	195.6	164.8	154.5	131.2	145.0	139.7	139.7	138.6
32.5°	686.4	512.4	293.1	191.3	169.0	143.6	145.3	136.5	134.0	145.0	145.0
35°	724.9	527.6	282.9	215.4	162.3	149.6	138.3	140.4	135.8	135.1	134.0
37.5°	769.1	538.2	259.9	202.3	171.5	143.6	142.9	137.6	131.5	140.0	141.4
40°	811.2	548.5	241.5	186.7	158.4	142.9	140.0	137.2	124.5	124.5	124.1
42.5°	858.6	555.2	224.9	174.3	145.7	143.2	135.4	126.6	118.1	120.6	119.9
45°	907.7	559.4	207.9	160.5	134.4	148.2	135.8	131.9	125.2	126.2	125.2
47.5°	968.2	566.5	193.1	147.1	127.3	135.8	128.4	126.6	130.5	126.9	129.1
50°	1032.6	570.4	179.3	135.4	120.2	131.9	133.0	127.7	130.5	124.5	124.1
52.5°	1109.7	573.9	164.4	127.7	119.2	131.2	139.3	133.7	128.7	120.9	120.2
55°	1177.5	562.6	151.7	122.7	126.2	129.8	144.6	137.9	127.7	118.8	119.2
57.5°	1251.5	548.1	141.4	120.6	124.8	127.3	152.1	143.9	132.3	132.6	133.0
60°	1327.8	534.3	135.1	120.2	123.1	128.4	153.1	152.1	138.3	141.4	143.9
62.5°	1419.1	523.4	134.0	122.7	129.4	134.0	154.2	165.1	153.1	154.5	155.2
65°	1490.5	491.5	133.0	124.1	131.9	135.1	154.5	174.3	169.0	177.2	176.5
67.5°	1468.6	432.8	131.2	125.5	133.7	140.7	154.2	181.1	180.3	199.1	197.3
70°	1379.1	367.8	125.5	123.8	134.4	143.6	154.5	182.8	186.0	212.5	210.8
72.5°	1228.5	296.7	115.3	118.8	134.7	147.1	159.1	183.2	186.7	224.2	218.9
75°	1028.0	239.8	100.1	107.5	139.0	149.2	160.2	179.6	179.6	215.0	208.3
77.5°	739.8	184.6	86.3	97.6	137.6	147.8	157.0	171.5	169.0	186.0	179.6
80°	431.1	136.1	73.6	95.8	129.1	145.0	148.2	151.3	139.7	143.6	139.7
82.5°	258.8	100.8	63.7	85.9	113.5	130.5	133.0	127.7	112.1	111.7	106.4
85°	155.2	69.0	46.7	66.5	89.5	108.9	111.7	96.9	82.4	90.9	81.3
87.5°	114.6	43.5	32.2	41.4	54.5	50.9	66.5	62.6	53.4	51.3	50.6
90°	103.3	33.2	26.5	33.6	36.8	31.5	33.9	33.9	27.6	27.2	25.8
92.5°	102.2	31.1	28.3	32.9	29.7	25.1	27.6	27.2	21.9	20.9	19.8
95°	95.5	27.9	28.3	29.7	26.2	20.5	22.3	20.9	15.6	14.5	13.4
97.5°	44.9	19.4	26.9	25.8	21.6	15.9	18.4	15.9	11.0	9.5	9.5
100°	10.6	16.6	23.0	23.3	17.3	12.0	12.7	10.3	7.1	6.0	6.0
102.5°	10.6	7.4	14.1	18.4	10.6	5.0	7.1	6.7	5.3	5.3	5.7
105°	10.6	7.1	7.1	12.0	6.4	3.2	3.2	4.2	4.6	6.0	6.7
107.5°	11.0	7.4	5.7	5.7	4.6	3.2	2.8	3.2	4.6	7.1	7.4
110°	9.2	6.7	5.3	5.0	4.6	3.2	2.5	3.2	4.6	7.8	8.5



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CATALOG NUMBER: LXF.LXT-PA1-30-727-U-T2R-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	6.7	6.0	4.6	4.6	3.9	3.2	2.5	2.8	5.0	8.5	9.2
115°	6.7	5.7	4.2	3.9	3.2	2.8	2.5	2.8	5.3	9.2	9.9
117.5°	7.1	5.7	3.9	3.5	2.8	2.1	2.1	2.8	5.3	9.5	10.3
120°	7.1	5.7	3.9	3.5	2.8	2.1	2.1	3.2	5.7	9.2	9.9
122.5°	6.7	5.7	3.9	3.5	2.8	1.8	2.1	2.8	5.3	8.8	9.5
125°	6.0	5.3	3.9	3.2	2.8	1.8	2.1	2.8	5.3	8.5	8.8
127.5°	5.7	5.0	3.5	3.2	2.5	1.8	2.1	2.8	5.0	7.8	8.1
130°	5.0	4.6	3.2	2.8	2.5	1.8	2.1	2.8	5.0	7.1	7.4
132.5°	3.9	3.5	2.8	2.5	2.5	1.8	2.1	2.5	3.9	6.0	6.4
135°	2.8	2.8	2.5	2.5	2.5	1.8	2.1	2.1	3.2	4.6	5.0
137.5°	2.1	2.1	2.1	2.5	2.1	1.8	1.8	2.1	2.8	3.5	3.9
140°	2.1	2.1	2.1	2.5	2.1	1.8	1.8	2.1	2.5	2.8	3.2
142.5°	2.1	2.1	2.1	2.5	2.1	1.4	1.8	2.1	2.5	2.8	2.8
145°	2.5	2.5	2.5	2.5	2.1	1.4	1.4	2.1	2.5	2.8	2.8
147.5°	2.8	2.8	2.5	2.5	2.1	1.1	1.1	2.1	2.5	2.8	2.8
150°	2.8	2.8	2.5	2.5	1.8	1.1	1.1	1.8	2.5	2.5	2.5
152.5°	2.1	2.1	2.1	2.1	1.8	0.7	0.7	1.4	2.1	2.1	2.1
155°	1.8	1.8	1.8	1.8	1.4	0.7	0.4	1.1	1.8	1.8	1.8
157.5°	1.1	1.4	1.4	1.8	1.4	0.7	0.4	0.7	1.4	1.4	1.4
160°	0.7	1.1	1.1	1.4	1.4	0.7	0.4	0.7	1.1	1.1	1.1
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)