

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: P414621

Luminaire Tested: **LXF.LXT-PA1-30-730-U-T2R-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414621
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-PA1-30-730-U-T2R-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 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: 3409 lumens
Efficiency: N/A
Efficacy: 110.0 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 (A_{in}): 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

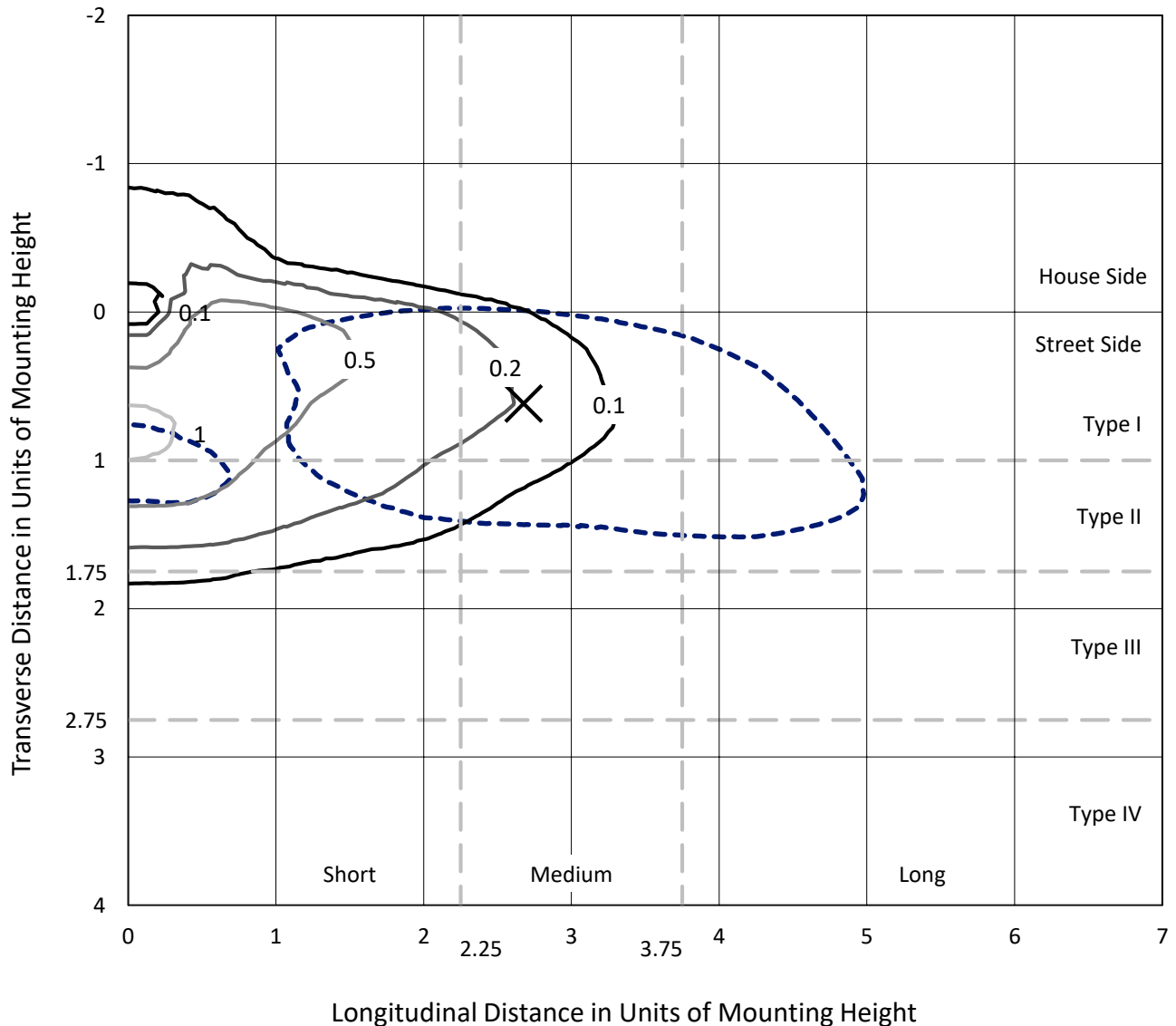


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

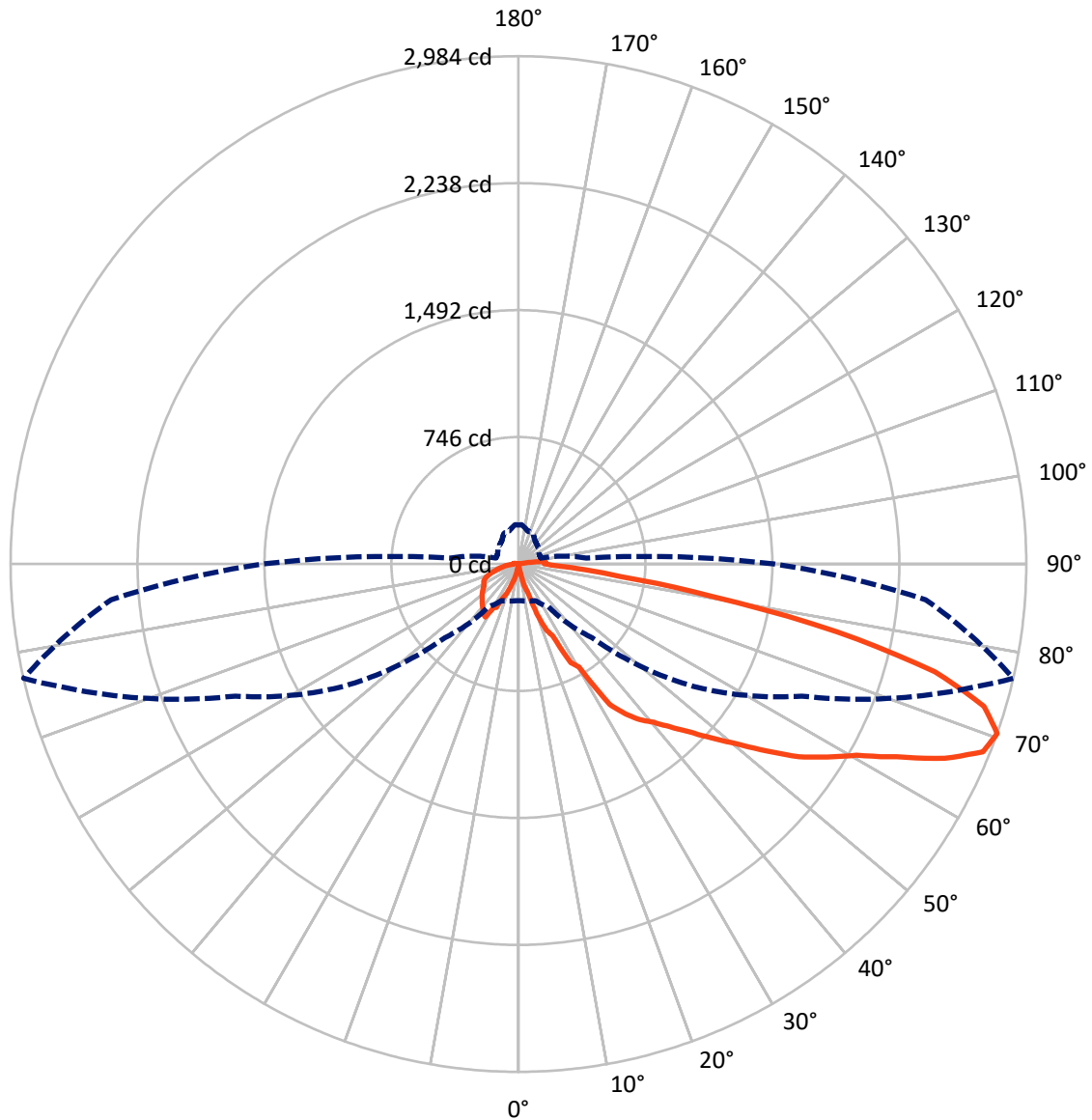


Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type II - Medium - Non-Cutoff

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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	576.6	25.3	601.9
	% Fixture	16.9	0.7	17.7
Street Side	Lumens	2775.6	31.5	2807.1
	% Fixture	81.4	0.9	82.3
Total	Lumens	3352.2	56.8	3409.0
	% Fixture	98.3	1.7	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.7	0.1
10°-20°	40.6	1.2
20°-30°	160.7	4.7
30°-40°	388.0	11.4
40°-50°	627.5	18.4
50°-60°	750.6	22.0
60°-70°	734.0	21.5
70°-80°	507.4	14.9
80°-90°	140.8	4.1
90°-100°	37.0	1.1
100°-110°	7.6	0.2
110°-120°	4.0	0.1
120°-130°	3.2	0.1
130°-140°	2.2	0.1
140°-150°	1.8	0.1
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3352.2	98.3
0°-180°	3409.0	100.0



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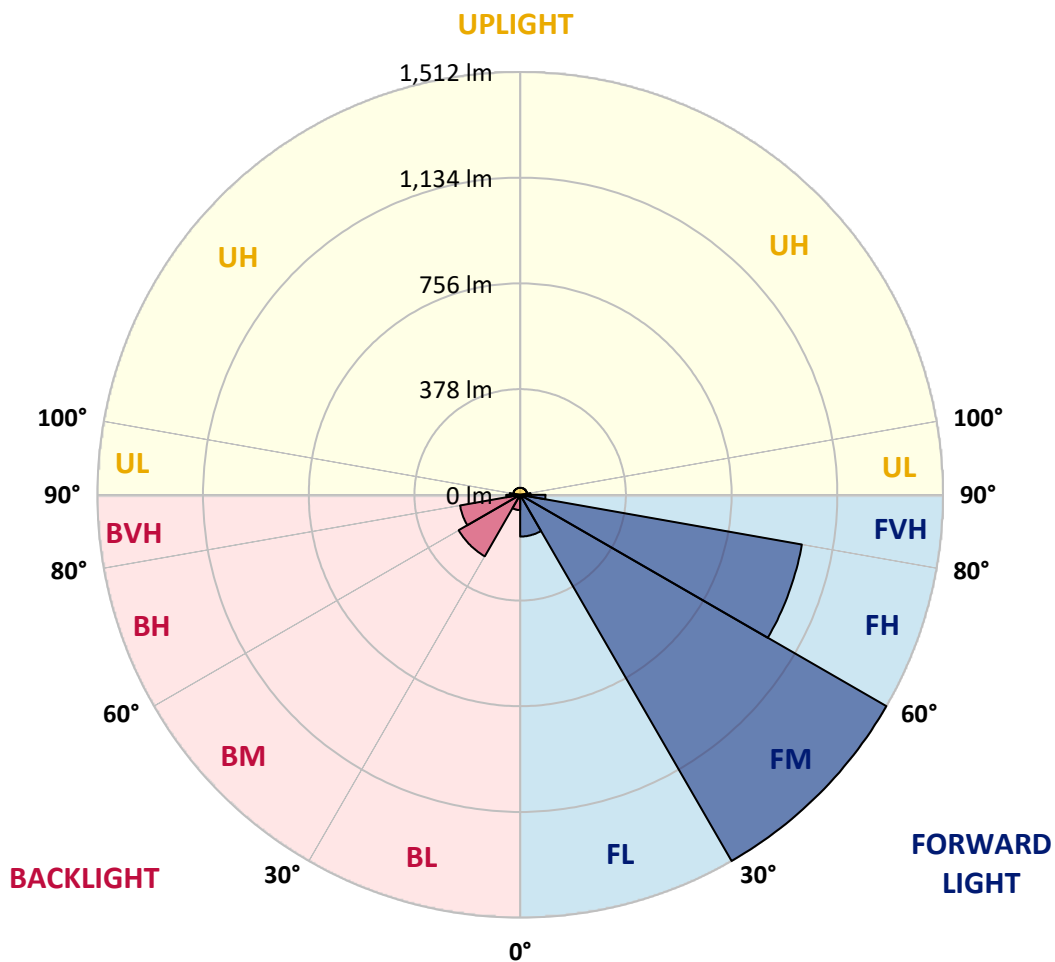
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	149.4	4.4			
FM	(30°-60°)	1512.5	44.4			
FH	(60°-80°)	1023.1	30.0			G1/1800
FVH	(80°-90°)	90.7	2.7			G1/100
BL	(0°-30°)	54.6	1.6	B0/110		
BM	(30°-60°)	253.6	7.4	B1/1000		
BH	(60°-80°)	218.3	6.4	B1/500		G1/500
BVH	(80°-90°)	50.1	1.5			G1/100
UL	(90°-100°)	37.0	1.1		U2/50	
UH	(100°-180°)	25.3	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°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
2.5°	4.2	3.9	3.9	4.2	5.0	4.6	3.5	2.7	2.3	2.3	2.3
5°	83.5	80.9	78.9	55.8	12.3	7.3	4.6	3.5	2.7	2.7	2.3
7.5°	99.7	98.2	97.4	94.7	91.6	85.5	15.4	5.0	3.1	3.1	2.7
10°	112.8	111.7	110.1	108.6	104.3	100.1	91.6	12.7	5.0	5.0	4.2
12.5°	229.9	226.4	223.3	158.6	117.8	113.2	105.1	72.0	54.7	52.7	63.5
15°	236.0	236.0	236.0	237.9	234.5	126.3	172.1	215.6	142.5	137.8	142.5
17.5°	251.4	249.1	245.3	246.4	251.0	278.8	256.8	239.9	189.8	168.6	164.0
20°	376.2	374.2	375.4	348.1	267.6	351.1	348.8	270.3	308.4	312.6	304.5
22.5°	401.6	401.2	400.0	398.5	457.4	372.7	401.2	425.1	430.8	422.4	350.4
25°	569.8	565.6	514.4	433.5	490.1	448.5	535.2	471.3	479.7	464.7	443.9
27.5°	651.1	642.2	633.3	609.1	526.3	599.5	569.4	621.4	696.5	656.5	564.8
30°	859.0	864.0	720.7	712.7	651.1	635.7	697.3	730.4	731.1	701.9	634.1
32.5°	1057.6	1044.2	1010.7	866.7	775.4	711.9	808.5	777.7	956.8	984.5	859.7
35°	1252.5	1226.3	1128.1	1030.3	904.8	877.4	866.3	973.7	1041.5	1081.1	930.2
37.5°	1530.0	1511.2	1417.2	1161.6	1043.0	944.4	1015.7	1036.5	1144.3	1161.2	1026.5
40°	1632.1	1619.4	1541.2	1340.6	1151.2	1054.2	1082.7	1111.9	1246.3	1222.8	1098.8
42.5°	1705.2	1700.6	1638.2	1434.2	1292.1	1163.1	1160.1	1175.1	1351.0	1307.9	1171.2
45°	1761.4	1754.9	1717.9	1494.2	1358.7	1230.5	1243.6	1252.8	1443.0	1405.3	1254.0
47.5°	1750.7	1753.4	1758.4	1568.9	1398.4	1296.3	1329.1	1319.8	1518.1	1527.0	1346.8
50°	1667.9	1673.3	1710.2	1599.0	1421.1	1350.2	1403.0	1394.5	1622.8	1659.8	1453.8
52.5°	1421.9	1430.7	1567.8	1552.4	1441.1	1392.6	1478.8	1480.8	1745.3	1823.8	1590.5
55°	1041.1	1074.6	1241.3	1398.0	1419.2	1406.1	1529.7	1590.1	1886.2	1999.4	1712.5
57.5°	837.4	830.5	945.6	1173.9	1310.6	1389.5	1583.2	1687.5	2014.8	2140.3	1834.6
60°	649.9	652.2	737.3	900.9	1120.4	1348.7	1637.9	1775.3	2173.0	2282.0	1984.0
62.5°	484.0	488.6	550.2	648.0	903.2	1234.7	1654.8	1885.0	2392.9	2496.1	2164.6
65°	351.5	359.2	392.7	452.8	652.6	1063.8	1603.2	1967.0	2636.6	2754.0	2357.4
67.5°	264.1	268.4	288.0	324.6	466.3	844.3	1475.8	1962.0	2759.0	2943.8	2440.2
70°	214.8	216.8	224.1	237.2	306.1	612.2	1252.1	1835.8	2785.2	2984.3	2401.7
72.5°	182.5	181.7	182.1	184.0	211.4	418.5	967.2	1599.4	2685.1	2861.4	2228.1
75°	155.9	154.8	154.8	152.9	163.2	293.8	666.1	1291.0	2419.0	2528.4	1876.9
77.5°	132.8	130.9	130.5	126.7	131.3	218.7	441.2	961.4	1913.9	1915.8	1330.6
80°	113.2	109.7	108.2	105.5	110.9	166.7	288.0	627.2	1170.8	1152.0	738.5
82.5°	83.5	83.5	85.9	86.6	95.5	123.6	203.3	373.1	639.1	604.9	428.1
85°	48.1	52.4	62.0	63.1	73.2	82.0	152.9	221.0	357.7	345.0	219.5
87.5°	17.7	16.9	25.8	27.3	30.8	30.8	83.2	121.3	187.5	195.2	172.9
90°	14.6	14.6	10.0	9.2	11.9	20.0	56.2	85.1	140.9	151.3	163.2
92.5°	15.4	15.4	10.0	8.9	11.2	17.7	47.4	80.5	147.8	162.1	168.6
95°	14.6	15.0	8.9	8.1	10.4	15.0	35.4	68.9	142.1	155.5	164.8
97.5°	12.7	13.1	7.3	6.9	9.2	10.8	19.3	34.3	70.8	73.5	76.2
100°	10.4	10.4	5.4	5.8	7.3	7.3	10.0	18.1	17.3	14.2	12.3
102.5°	8.9	9.6	5.0	4.6	5.4	4.6	4.6	6.9	10.4	8.9	11.9
105°	7.3	8.1	4.2	3.9	4.2	3.9	3.1	5.0	7.7	8.9	12.7
107.5°	5.0	5.4	3.1	3.5	3.5	3.5	2.3	3.9	7.3	8.5	13.1
110°	3.5	3.5	2.3	3.1	3.1	3.5	2.3	3.9	5.8	6.5	10.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	2.3	2.3	1.9	2.3	2.7	2.7	2.3	3.5	5.0	5.4	7.3
115°	1.9	1.9	1.5	1.9	2.3	2.3	1.9	3.1	5.0	5.8	7.7
117.5°	2.3	1.9	1.5	1.9	2.3	1.9	1.9	2.7	5.0	5.8	7.7
120°	2.3	2.3	1.9	1.9	1.9	1.9	1.9	2.7	5.0	5.8	7.7
122.5°	2.7	2.3	1.9	1.9	1.9	1.9	1.9	2.3	4.6	5.4	7.3
125°	2.7	2.7	1.9	1.9	2.3	1.9	1.9	2.3	4.6	5.0	6.9
127.5°	3.1	2.7	2.3	1.9	2.3	1.9	1.9	2.3	4.2	4.6	6.2
130°	3.1	3.1	2.3	1.9	2.3	1.9	1.9	1.9	3.5	3.9	5.4
132.5°	3.1	3.1	2.7	2.3	2.7	2.3	1.9	1.9	2.7	3.1	4.2
135°	3.5	3.1	3.1	2.7	3.1	2.7	1.9	1.9	1.9	2.3	3.1
137.5°	3.5	3.5	3.5	3.1	3.5	2.7	1.9	1.9	1.9	1.9	2.3
140°	4.2	4.2	3.9	3.5	3.9	3.1	2.3	1.9	1.9	1.9	2.3
142.5°	5.0	5.0	4.6	4.2	3.9	3.1	2.7	2.3	2.3	2.3	2.3
145°	5.8	5.4	5.4	4.6	3.9	3.1	2.7	2.7	2.7	2.7	2.7
147.5°	5.8	5.8	5.4	4.2	3.5	2.3	2.3	3.1	3.1	3.1	3.1
150°	5.4	5.4	4.6	3.9	2.7	1.9	1.9	2.7	3.1	3.1	3.1
152.5°	4.2	3.9	3.5	2.3	1.9	1.2	1.5	1.9	2.3	2.3	2.7
155°	2.7	2.3	1.9	1.5	1.5	1.2	1.2	1.5	1.5	1.5	1.9
157.5°	1.2	1.2	0.8	0.8	1.2	1.2	1.2	1.2	1.2	1.2	1.2
160°	0.4	0.4	0.4	0.4	1.2	1.2	1.2	0.8	0.8	0.8	0.8
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°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
2.5°	2.3	2.3	2.3	2.3	2.3	1.9	2.3	2.7	3.1	3.1	3.1
5°	2.3	2.3	2.3	2.7	2.7	2.3	2.7	3.5	3.9	3.9	3.9
7.5°	2.7	2.3	2.7	3.1	3.1	3.1	13.5	38.9	43.1	43.9	44.7
10°	3.9	3.9	3.9	4.2	4.6	40.4	47.7	50.1	51.6	52.7	53.1
12.5°	58.5	51.2	32.0	8.5	40.8	50.1	52.7	56.6	58.5	60.8	60.1
15°	131.3	116.3	87.4	74.7	73.2	55.8	58.5	97.4	108.2	110.1	109.7
17.5°	148.6	127.8	97.4	104.0	108.2	83.9	98.6	109.0	110.9	112.8	112.4
20°	276.4	220.2	132.1	114.3	113.2	141.7	105.1	108.6	112.4	132.4	134.8
22.5°	306.9	253.3	172.9	167.5	136.7	144.0	137.1	139.0	150.9	150.9	150.2
25°	384.2	306.5	195.2	170.9	173.6	143.2	160.9	139.0	141.3	141.3	141.7
27.5°	499.7	393.9	259.1	190.6	171.7	173.3	152.9	140.9	161.3	163.6	164.8
30°	534.8	408.9	256.4	212.9	179.4	168.3	142.8	157.9	152.1	152.1	150.9
32.5°	747.3	557.9	319.2	208.3	184.0	156.3	158.2	148.6	145.9	157.9	157.9
35°	789.3	574.4	308.0	234.5	176.7	162.9	150.5	152.9	147.8	147.1	145.9
37.5°	837.4	586.0	283.0	220.2	186.7	156.3	155.5	149.8	143.2	152.5	154.0
40°	883.2	597.2	263.0	203.3	172.5	155.5	152.5	149.4	135.5	135.5	135.1
42.5°	934.8	604.5	244.9	189.8	158.6	155.9	147.5	137.8	128.6	131.3	130.5
45°	988.3	609.1	226.4	174.8	146.3	161.3	147.8	143.6	136.3	137.5	136.3
47.5°	1054.2	616.8	210.2	160.2	138.6	147.8	139.8	137.8	142.1	138.2	140.5
50°	1124.2	621.0	195.2	147.5	130.9	143.6	144.8	139.0	142.1	135.5	135.1
52.5°	1208.2	624.9	179.0	139.0	129.8	142.8	151.7	145.5	140.1	131.7	130.9
55°	1282.1	612.6	165.2	133.6	137.5	141.3	157.5	150.2	139.0	129.4	129.8
57.5°	1362.6	596.8	154.0	131.3	135.9	138.6	165.6	156.7	144.0	144.4	144.8
60°	1445.7	581.8	147.1	130.9	134.0	139.8	166.7	165.6	150.5	154.0	156.7
62.5°	1545.1	569.8	145.9	133.6	140.9	145.9	167.9	179.8	166.7	168.3	169.0
65°	1622.8	535.2	144.8	135.1	143.6	147.1	168.3	189.8	184.0	192.9	192.1
67.5°	1599.0	471.3	142.8	136.7	145.5	153.2	167.9	197.1	196.4	216.8	214.8
70°	1501.6	400.4	136.7	134.8	146.3	156.3	168.3	199.1	202.5	231.4	229.5
72.5°	1337.5	323.0	125.5	129.4	146.7	160.2	173.3	199.4	203.3	244.1	238.3
75°	1119.2	261.0	109.0	117.0	151.3	162.5	174.4	195.6	195.6	234.1	226.8
77.5°	805.5	201.0	93.9	106.3	149.8	160.9	170.9	186.7	184.0	202.5	195.6
80°	469.3	148.2	80.1	104.3	140.5	157.9	161.3	164.8	152.1	156.3	152.1
82.5°	281.8	109.7	69.3	93.6	123.6	142.1	144.8	139.0	122.0	121.7	115.9
85°	169.0	75.1	50.8	72.4	97.4	118.6	121.7	105.5	89.7	98.9	88.6
87.5°	124.7	47.4	35.0	45.0	59.3	55.4	72.4	68.1	58.1	55.8	55.1
90°	112.4	36.2	28.9	36.6	40.0	34.3	37.0	37.0	30.0	29.6	28.1
92.5°	111.3	33.9	30.8	35.8	32.3	27.3	30.0	29.6	23.9	22.7	21.6
95°	104.0	30.4	30.8	32.3	28.5	22.3	24.3	22.7	16.9	15.8	14.6
97.5°	48.9	21.2	29.3	28.1	23.5	17.3	20.0	17.3	11.9	10.4	10.4
100°	11.6	18.1	25.0	25.4	18.9	13.1	13.9	11.2	7.7	6.5	6.5
102.5°	11.6	8.1	15.4	20.0	11.6	5.4	7.7	7.3	5.8	5.8	6.2
105°	11.6	7.7	7.7	13.1	6.9	3.5	3.5	4.6	5.0	6.5	7.3
107.5°	11.9	8.1	6.2	6.2	5.0	3.5	3.1	3.5	5.0	7.7	8.1
110°	10.0	7.3	5.8	5.4	5.0	3.5	2.7	3.5	5.0	8.5	9.2



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CATALOG NUMBER: LXF.LXT-PA1-30-730-U-T2R-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	7.3	6.5	5.0	5.0	4.2	3.5	2.7	3.1	5.4	9.2	10.0
115°	7.3	6.2	4.6	4.2	3.5	3.1	2.7	3.1	5.8	10.0	10.8
117.5°	7.7	6.2	4.2	3.9	3.1	2.3	2.3	3.1	5.8	10.4	11.2
120°	7.7	6.2	4.2	3.9	3.1	2.3	2.3	3.5	6.2	10.0	10.8
122.5°	7.3	6.2	4.2	3.9	3.1	1.9	2.3	3.1	5.8	9.6	10.4
125°	6.5	5.8	4.2	3.5	3.1	1.9	2.3	3.1	5.8	9.2	9.6
127.5°	6.2	5.4	3.9	3.5	2.7	1.9	2.3	3.1	5.4	8.5	8.9
130°	5.4	5.0	3.5	3.1	2.7	1.9	2.3	3.1	5.4	7.7	8.1
132.5°	4.2	3.9	3.1	2.7	2.7	1.9	2.3	2.7	4.2	6.5	6.9
135°	3.1	3.1	2.7	2.7	2.7	1.9	2.3	2.3	3.5	5.0	5.4
137.5°	2.3	2.3	2.3	2.7	2.3	1.9	1.9	2.3	3.1	3.9	4.2
140°	2.3	2.3	2.3	2.7	2.3	1.9	1.9	2.3	2.7	3.1	3.5
142.5°	2.3	2.3	2.3	2.7	2.3	1.5	1.9	2.3	2.7	3.1	3.1
145°	2.7	2.7	2.7	2.7	2.3	1.5	1.5	2.3	2.7	3.1	3.1
147.5°	3.1	3.1	2.7	2.7	2.3	1.2	1.2	2.3	2.7	3.1	3.1
150°	3.1	3.1	2.7	2.7	1.9	1.2	1.2	1.9	2.7	2.7	2.7
152.5°	2.3	2.3	2.3	2.3	1.9	0.8	0.8	1.5	2.3	2.3	2.3
155°	1.9	1.9	1.9	1.9	1.5	0.8	0.4	1.2	1.9	1.9	1.9
157.5°	1.2	1.5	1.5	1.9	1.5	0.8	0.4	0.8	1.5	1.5	1.5
160°	0.8	1.2	1.2	1.5	1.5	0.8	0.4	0.8	1.2	1.2	1.2
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)