

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: P414635

Luminaire Tested: **LXF.LXT-PA1-30-730-U-T2U-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414635
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-PA1-30-730-U-T2U-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 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: 3327 lumens
Efficiency: N/A
Efficacy: 107.3 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 - 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

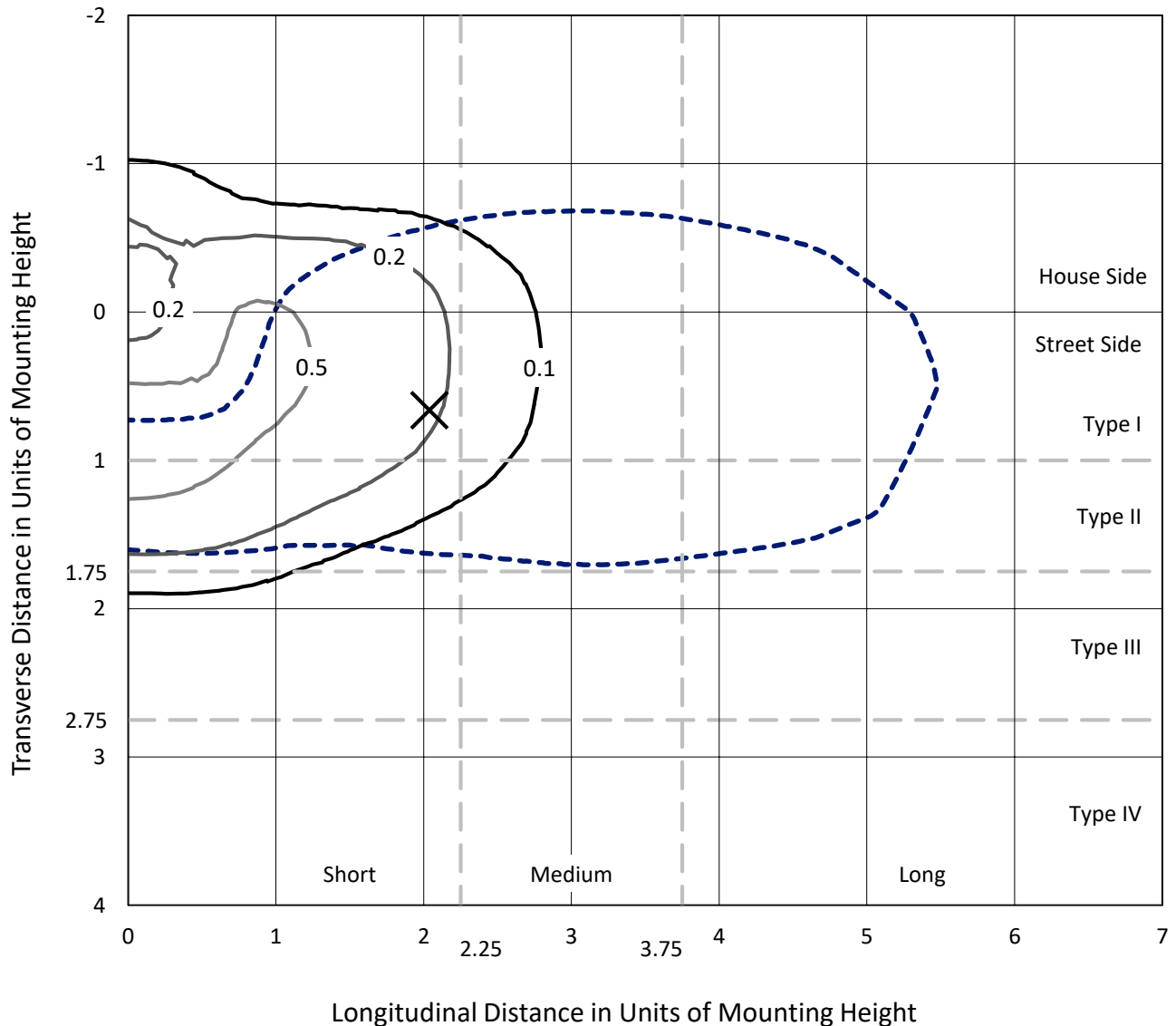


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

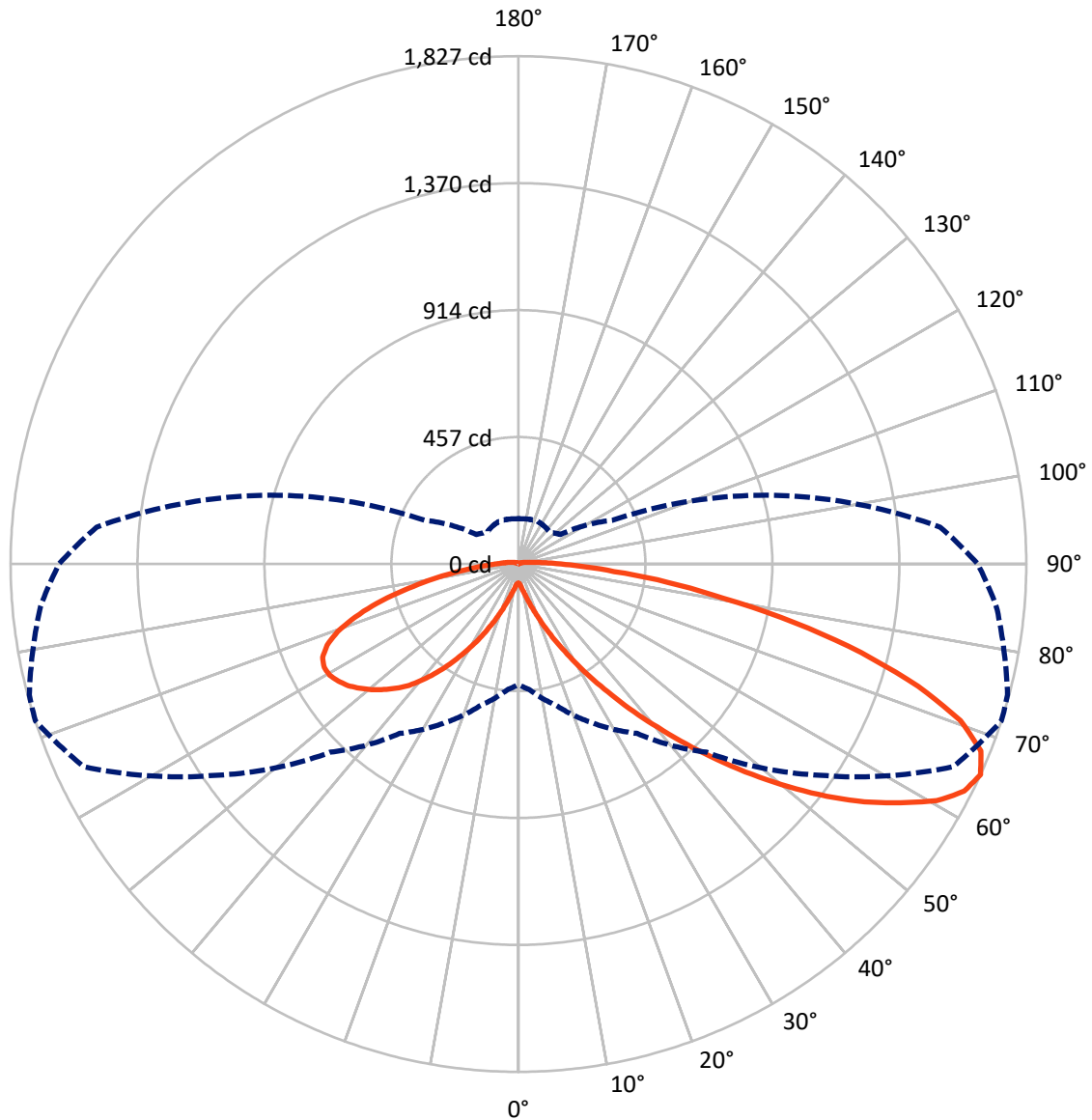


Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type II - Short - Non-Cutoff

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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	938.0	47.2	985.2
	% Fixture	28.2	1.4	29.6
Street Side	Lumens	2295.8	46.0	2341.8
	% Fixture	69.0	1.4	70.4
Total	Lumens	3233.8	93.2	3327.0
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.9	0.2
10°-20°	40.2	1.2
20°-30°	127.5	3.8
30°-40°	305.5	9.2
40°-50°	564.0	17.0
50°-60°	768.6	23.1
60°-70°	749.4	22.5
70°-80°	489.4	14.7
80°-90°	181.3	5.4
90°-100°	50.4	1.5
100°-110°	21.1	0.6
110°-120°	10.6	0.3
120°-130°	6.0	0.2
130°-140°	3.4	0.1
140°-150°	1.4	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3233.8	97.2
0°-180°	3327.0	100.0



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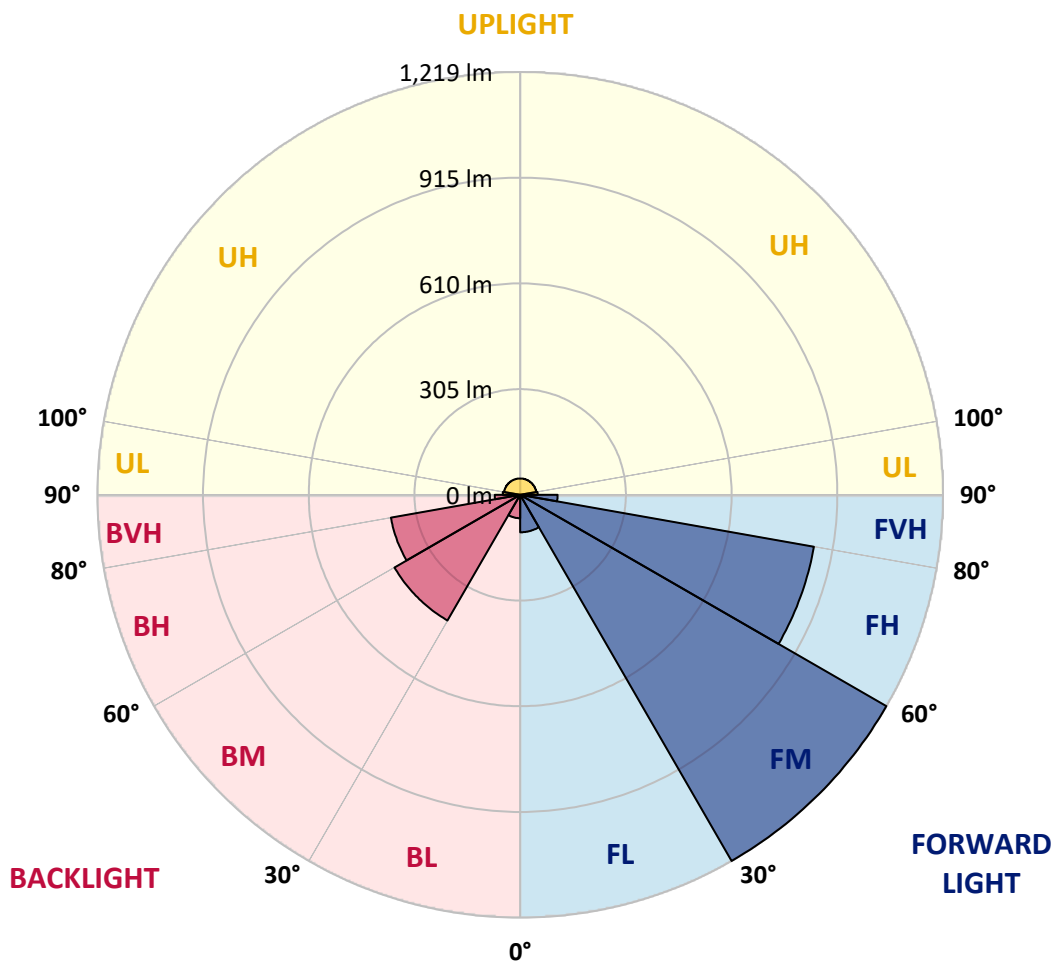
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	108.1	3.2			
FM (30°-60°)	1219.5	36.7			
FH (60°-80°)	860.3	25.9			G1/1800
FVH (80°-90°)	107.9	3.2			G2/225
BL (0°-30°)	67.5	2.0	B0/110		
BM (30°-60°)	418.6	12.6	B1/1000		
BH (60°-80°)	378.5	11.4	B1/500		G1/500
BVH (80°-90°)	73.4	2.2			G1/100
UL (90°-100°)	50.4	1.5		U3/500	
UH (100°-180°)	47.2	1.4		U2/50	

BUG Rating: B1-U3-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
2.5°	76.6	76.2	75.5	75.1	75.1	74.3	73.5	72.4	71.6	71.2	70.5
5°	86.6	85.9	85.1	84.3	83.6	82.4	80.5	79.3	77.8	77.4	75.9
7.5°	100.9	100.1	97.8	97.0	95.9	94.3	92.0	89.7	88.2	87.0	84.7
10°	119.8	119.0	117.4	115.5	113.2	110.1	106.3	104.0	100.1	100.9	97.4
12.5°	145.6	143.6	141.7	138.6	134.0	130.5	125.1	122.8	118.6	118.6	114.4
15°	176.7	176.4	172.5	166.0	161.7	154.4	149.8	144.8	142.1	142.1	138.6
17.5°	217.2	214.5	211.4	202.5	192.9	184.1	177.9	174.4	171.4	170.6	166.0
20°	267.2	263.4	258.8	243.0	231.4	220.6	211.8	209.1	206.8	206.4	202.5
22.5°	330.8	322.7	314.2	298.8	280.3	261.5	255.3	249.1	249.5	250.3	241.4
25°	401.2	398.9	383.9	362.0	337.7	316.9	300.0	297.7	300.0	298.4	295.0
27.5°	491.7	484.0	465.2	437.1	398.5	374.3	356.2	354.6	355.0	357.0	351.2
30°	597.2	593.4	569.5	522.5	472.9	440.5	420.9	418.2	422.8	423.2	414.3
32.5°	721.6	713.9	677.3	625.0	557.2	516.0	493.7	492.9	497.9	499.0	492.1
35°	847.5	843.7	807.5	732.4	658.1	595.7	573.0	574.5	578.0	584.9	576.8
37.5°	992.7	982.3	935.7	856.4	762.4	687.7	663.5	668.9	674.3	674.3	663.1
40°	1129.8	1125.9	1077.0	977.3	864.9	795.6	769.0	772.1	771.7	772.1	757.4
42.5°	1256.9	1243.8	1200.6	1094.8	978.8	908.4	876.4	881.4	886.0	889.5	852.5
45°	1342.7	1331.6	1293.4	1189.1	1086.7	1020.0	999.3	999.3	1004.6	1003.1	966.5
47.5°	1373.2	1371.6	1343.1	1263.8	1169.8	1118.2	1119.4	1123.6	1131.7	1124.4	1072.0
50°	1358.9	1352.7	1347.7	1303.5	1238.8	1214.1	1237.2	1258.8	1259.6	1246.5	1179.9
52.5°	1269.6	1270.3	1295.8	1287.7	1258.0	1283.1	1353.5	1391.6	1388.2	1375.5	1295.4
55°	1133.6	1139.8	1184.1	1218.0	1236.1	1305.4	1439.8	1518.7	1511.0	1493.3	1412.0
57.5°	952.7	972.7	1032.0	1105.9	1170.6	1284.6	1486.8	1628.8	1620.8	1620.8	1528.3
60°	760.1	776.3	863.7	953.8	1055.9	1214.5	1491.4	1709.7	1729.3	1717.0	1610.7
62.5°	589.5	596.5	687.0	800.6	909.9	1096.7	1438.2	1748.2	1800.2	1789.8	1684.7
65°	434.0	453.6	526.8	630.7	744.0	957.7	1324.6	1725.5	1827.2	1821.8	1725.5
67.5°	322.7	331.5	392.8	489.0	601.1	784.8	1159.1	1626.1	1794.8	1799.4	1719.3
70°	241.8	244.1	291.9	371.2	466.7	619.2	966.1	1467.5	1687.4	1708.2	1664.3
72.5°	182.9	187.1	226.8	289.2	360.0	476.7	763.6	1251.9	1504.1	1555.7	1539.1
75°	143.2	148.3	175.6	223.7	278.4	360.8	578.0	996.9	1274.2	1340.8	1359.3
77.5°	113.2	118.6	141.7	178.7	217.2	278.4	424.7	745.9	1017.7	1084.4	1138.3
80°	89.0	92.8	113.2	140.6	171.0	205.6	297.7	542.2	747.4	830.6	879.9
82.5°	67.8	72.0	87.8	110.9	134.0	157.1	212.6	368.9	542.2	579.9	663.9
85°	49.3	53.1	66.2	85.1	103.2	121.7	155.6	246.1	345.4	390.5	432.8
87.5°	36.2	37.7	49.3	63.2	79.3	92.0	112.1	157.1	219.5	241.8	277.2
90°	25.4	27.0	36.2	46.6	60.1	72.0	82.4	104.0	136.7	156.7	163.3
92.5°	18.9	20.0	27.0	35.0	46.2	55.8	62.4	73.5	89.0	97.4	102.8
95°	14.2	15.4	21.2	27.7	35.8	43.9	48.9	53.1	62.0	64.3	68.9
97.5°	11.6	12.3	17.3	22.7	28.9	36.2	38.9	41.2	44.3	46.6	48.5
100°	10.0	10.4	14.6	19.3	24.6	29.3	31.6	32.7	34.7	35.4	36.2
102.5°	8.9	8.9	12.7	16.6	21.2	24.6	26.6	26.6	27.0	27.3	27.0
105°	7.7	8.1	11.2	14.6	18.1	21.2	22.7	21.9	21.6	21.2	20.0
107.5°	7.3	7.3	10.0	13.1	16.2	18.5	19.6	18.1	17.3	16.6	15.4
110°	6.5	6.9	8.9	11.6	14.2	16.2	16.9	15.4	13.9	13.1	11.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	6.2	6.5	8.1	10.4	12.7	14.6	14.6	13.1	11.2	10.4	9.6
115°	6.2	6.2	7.3	9.2	11.6	13.1	13.1	11.2	9.2	8.5	8.1
117.5°	6.2	6.2	6.9	8.5	10.4	11.6	11.6	9.6	7.7	6.9	6.9
120°	5.8	5.8	6.5	7.7	9.6	10.4	10.0	8.5	6.5	6.2	6.2
122.5°	5.8	5.8	6.2	7.3	8.9	9.6	9.2	7.3	5.8	5.0	5.4
125°	6.2	5.8	6.2	6.9	8.1	8.5	8.1	6.2	5.0	4.6	5.0
127.5°	6.2	6.2	5.8	6.5	7.3	7.7	7.3	5.4	4.2	4.2	4.6
130°	6.2	6.2	5.8	6.2	6.5	6.9	6.2	4.6	3.9	3.9	4.2
132.5°	6.2	6.2	5.8	5.8	6.2	6.2	5.4	3.9	3.5	3.5	3.9
135°	6.2	6.2	5.4	5.4	5.4	5.4	4.6	3.5	3.1	3.1	3.5
137.5°	5.8	5.8	5.4	5.0	5.0	4.6	3.9	2.7	2.3	2.7	3.1
140°	5.4	5.4	5.0	4.2	4.2	3.9	3.1	2.3	1.9	2.3	2.3
142.5°	5.0	5.0	4.6	3.9	3.5	3.1	2.7	1.5	1.5	1.5	1.9
145°	4.6	4.6	4.2	3.1	2.7	2.3	1.9	1.2	1.2	1.2	1.5
147.5°	3.9	3.9	3.5	2.7	1.9	1.9	1.2	0.8	1.2	1.2	1.2
150°	3.1	3.1	2.7	1.9	1.5	1.2	0.4	0.8	0.8	0.8	1.2
152.5°	2.7	2.7	1.9	1.5	0.8	0.4	0.4	0.4	0.8	0.8	0.8
155°	1.9	1.9	1.5	0.8	0.4	0.0	0.4	0.4	0.4	0.4	0.4
157.5°	1.2	1.2	0.8	0.4	0.0	0.0	0.0	0.4	0.4	0.4	0.4
160°	0.4	0.4	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°	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
2.5°	69.7	69.7	69.3	68.9	68.5	68.2	67.4	67.0	67.0	66.6	66.6
5°	75.1	74.7	73.5	72.4	70.9	70.1	68.9	68.2	67.8	67.4	67.4
7.5°	83.6	82.8	80.5	78.6	76.6	75.1	73.2	72.0	71.6	70.5	70.9
10°	95.5	94.3	91.6	88.2	84.7	82.4	79.7	78.2	77.4	76.6	75.9
12.5°	112.8	110.5	105.9	101.3	96.3	91.6	89.0	87.8	88.6	88.2	88.6
15°	136.7	132.5	125.5	118.6	109.7	104.0	103.2	102.8	102.8	103.2	104.0
17.5°	163.7	159.0	150.2	137.5	127.1	121.3	117.8	117.4	119.4	119.8	119.4
20°	199.1	194.5	180.6	163.3	148.3	139.0	134.4	134.4	137.1	137.9	139.4
22.5°	237.2	234.5	215.6	191.8	171.7	156.7	150.2	150.9	154.8	156.0	156.7
25°	290.3	279.6	256.5	223.7	194.8	174.8	166.0	166.3	170.6	173.7	174.8
27.5°	348.9	336.6	302.7	259.9	217.9	189.8	179.8	180.2	185.2	189.1	189.8
30°	411.6	399.3	355.0	295.7	239.5	203.3	189.8	190.2	196.0	200.2	201.0
32.5°	478.6	468.6	406.6	334.2	258.4	212.6	196.4	196.8	201.8	205.6	206.4
35°	563.4	540.6	467.9	368.5	274.2	218.3	199.5	199.1	204.1	207.9	208.7
37.5°	646.9	622.7	526.0	400.5	283.4	219.9	198.7	198.7	202.5	205.6	206.0
40°	737.8	697.4	587.2	425.5	286.9	217.6	196.4	196.0	199.1	200.6	201.0
42.5°	835.6	785.9	647.3	445.5	285.3	212.6	192.1	192.5	193.7	193.7	193.3
45°	923.8	873.3	698.9	458.6	279.9	206.0	187.1	187.5	187.9	184.8	184.8
47.5°	1027.4	966.1	747.4	461.7	269.2	199.5	183.3	184.1	182.1	177.9	177.1
50°	1125.6	1057.4	796.3	460.5	258.0	192.5	179.4	180.2	176.7	171.0	169.8
52.5°	1234.9	1147.5	842.5	454.8	244.5	186.4	176.7	177.5	173.7	166.7	165.6
55°	1342.7	1243.0	884.9	444.8	233.0	179.8	174.1	176.0	171.0	164.0	163.7
57.5°	1445.6	1337.7	919.9	430.1	220.6	175.2	172.1	174.4	169.8	162.9	162.5
60°	1537.2	1418.2	948.0	415.9	207.2	170.6	170.2	173.3	169.0	163.3	162.9
62.5°	1601.5	1490.6	960.7	396.6	196.4	165.6	167.9	171.0	167.9	163.3	163.3
65°	1652.7	1522.9	955.7	371.2	184.8	160.2	164.8	167.9	166.0	162.9	163.3
67.5°	1643.1	1522.2	923.0	340.8	174.1	154.4	159.4	163.7	162.1	161.0	160.6
70°	1583.8	1450.2	860.2	307.7	162.9	147.1	152.9	157.1	156.7	156.3	156.3
72.5°	1461.7	1325.4	766.3	269.5	151.3	139.4	144.4	148.3	149.0	148.6	147.5
75°	1302.3	1153.7	657.3	233.7	139.4	130.2	135.5	137.9	139.0	138.2	138.2
77.5°	1068.6	961.9	522.5	197.5	126.7	119.8	123.6	125.5	127.1	125.1	124.0
80°	849.1	731.6	402.0	161.3	112.8	108.2	110.1	110.9	112.4	110.5	108.2
82.5°	596.1	521.4	291.5	131.7	99.0	95.1	96.3	95.9	96.7	94.0	90.9
85°	398.2	350.4	200.6	105.9	84.7	81.2	81.2	80.1	79.3	76.6	74.3
87.5°	249.9	221.8	137.9	83.6	71.2	68.5	67.0	64.7	63.9	62.0	59.3
90°	154.0	141.7	96.3	67.0	59.3	57.0	55.4	52.0	51.6	48.5	46.6
92.5°	100.9	92.4	71.2	54.3	49.7	47.4	45.4	42.4	42.0	39.7	38.5
95°	66.6	64.7	54.3	45.4	42.0	40.0	38.1	35.4	34.7	32.3	30.8
97.5°	48.9	48.9	44.7	38.5	35.8	33.9	32.7	30.4	28.9	26.6	25.8
100°	37.0	37.4	35.8	33.1	30.8	28.9	27.7	25.8	24.6	22.3	21.9
102.5°	28.5	29.3	29.7	28.1	26.6	25.0	23.9	22.3	20.8	18.5	18.1
105°	21.9	22.7	24.3	23.9	23.1	21.9	20.8	19.3	17.3	15.4	15.4
107.5°	16.9	17.7	20.0	20.4	20.0	18.9	18.1	16.6	15.0	13.1	13.1
110°	13.1	14.2	16.6	17.3	17.3	16.6	15.8	14.2	12.3	11.2	11.2



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CATALOG NUMBER: LXF.LXT-PA1-30-730-U-T2U-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	10.8	11.9	13.9	15.0	15.0	14.6	13.5	11.9	10.4	9.6	9.6
115°	8.9	10.0	11.9	13.1	13.1	12.7	11.9	10.4	8.9	8.5	8.5
117.5°	7.7	8.5	10.0	11.2	11.6	11.2	10.4	8.9	7.7	7.7	7.7
120°	6.9	7.7	8.9	9.6	10.0	9.6	8.9	7.7	6.5	6.9	6.9
122.5°	6.2	6.5	7.7	8.9	8.9	8.9	8.1	6.5	5.8	6.2	6.2
125°	5.4	6.2	6.9	7.7	8.1	7.7	6.9	5.8	5.0	5.4	5.8
127.5°	5.0	5.4	6.2	6.9	6.9	6.9	6.2	5.0	4.6	5.0	5.0
130°	4.6	5.0	5.4	6.2	6.2	6.2	5.4	4.2	4.2	4.6	4.6
132.5°	4.2	4.6	5.0	5.4	5.4	5.4	4.6	3.9	3.5	4.2	4.2
135°	3.9	3.9	4.2	4.6	4.6	4.6	3.9	3.1	3.1	3.9	3.9
137.5°	3.1	3.5	3.9	3.9	3.9	3.9	3.1	2.7	2.7	3.1	3.1
140°	2.7	2.7	3.1	3.1	3.1	3.1	2.7	1.9	2.3	2.7	2.7
142.5°	2.3	2.3	2.7	2.7	2.7	2.3	1.9	1.5	1.9	2.3	2.3
145°	1.5	1.9	1.9	1.9	1.9	1.5	1.2	1.2	1.5	1.9	1.9
147.5°	1.5	1.5	1.5	1.5	1.5	1.2	0.8	0.8	1.2	1.5	1.5
150°	1.2	1.2	1.5	1.5	1.2	0.8	0.4	0.4	0.8	1.2	1.2
152.5°	0.8	0.8	1.2	1.2	0.8	0.4	0.0	0.0	0.4	0.4	0.4
155°	0.8	0.8	0.8	0.8	0.8	0.4	0.0	0.0	0.0	0.0	0.0
157.5°	0.4	0.4	0.8	0.8	0.4	0.4	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.4	0.4	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

(END OF REPORT)