

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: P414638

Luminaire Tested: **LXF.LXT-PA1-30-730-U-T3-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414638
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-7)
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-T3-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3350 lumens
Efficiency: N/A
Efficacy: 108.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B1 - U3 - G2

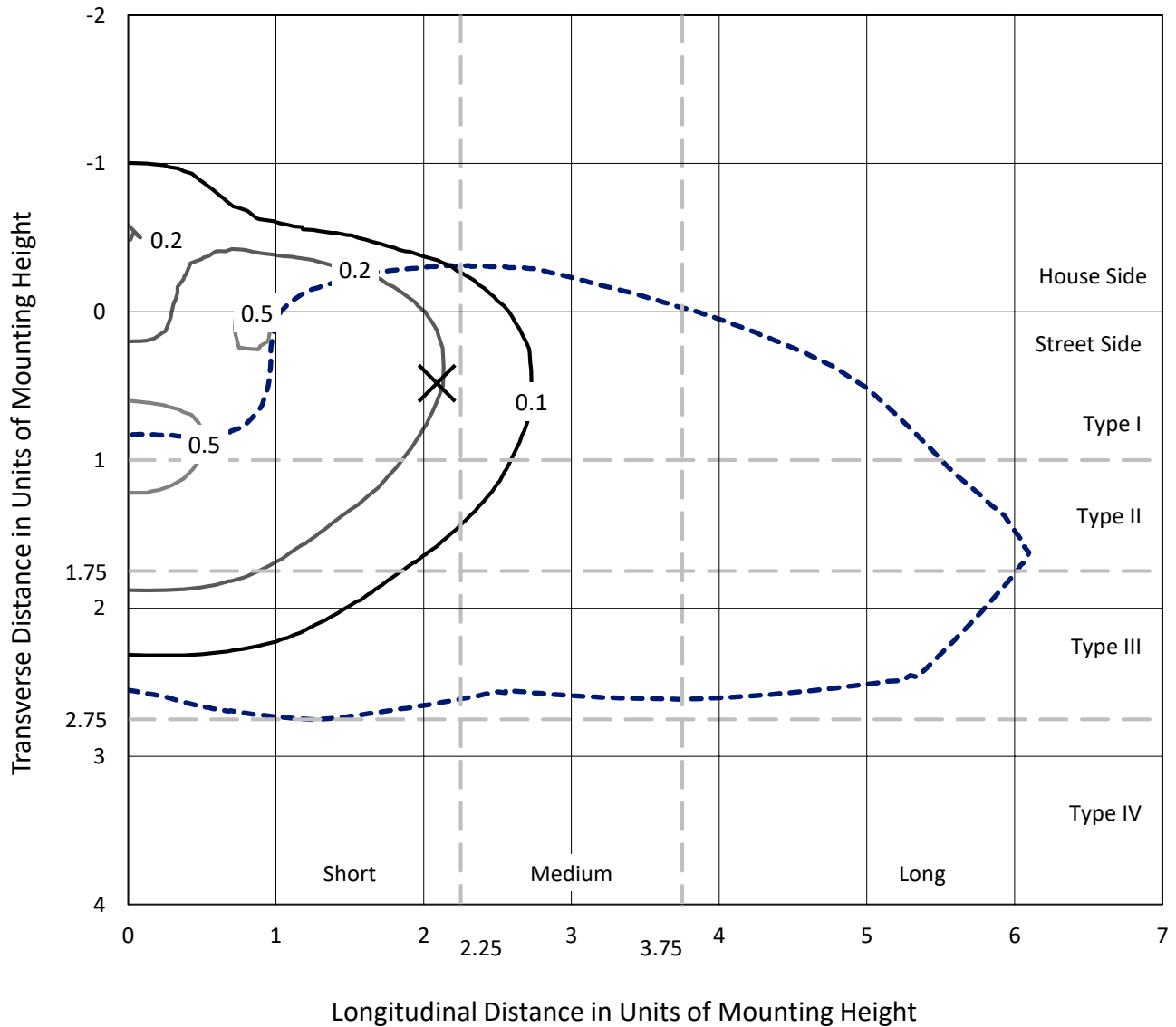
Input Watts (W): 31
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

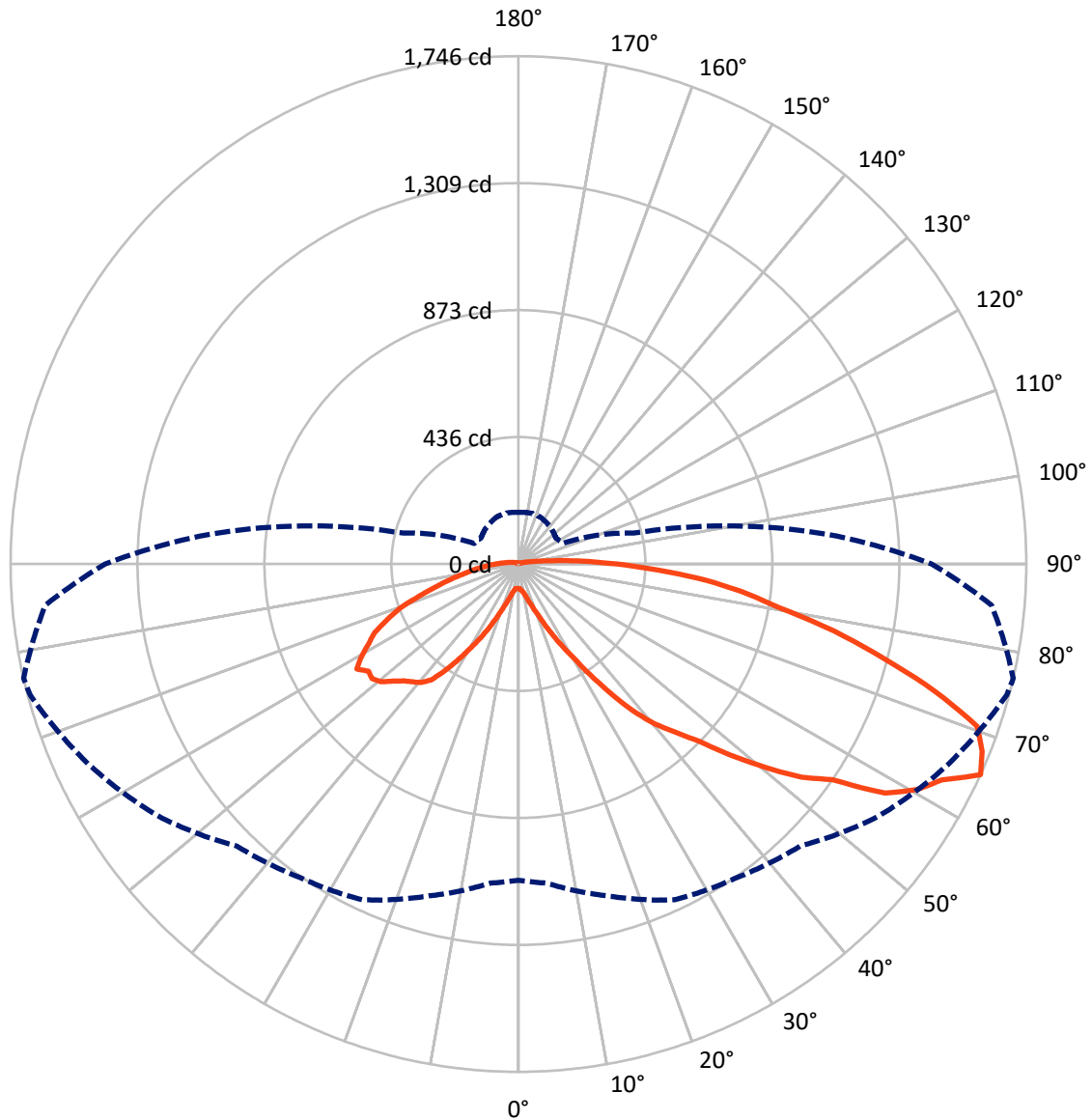


Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	738.2	52.5	790.7
	% Fixture	22.0	1.6	23.6
Street Side	Lumens	2493.7	65.6	2559.3
	% Fixture	74.4	2.0	76.4
Total	Lumens	3231.9	118.1	3350.0
	% Fixture	96.5	3.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.6	0.3
10°-20°	36.7	1.1
20°-30°	107.5	3.2
30°-40°	257.4	7.7
40°-50°	463.5	13.8
50°-60°	705.0	21.0
60°-70°	831.6	24.8
70°-80°	573.1	17.1
80°-90°	248.5	7.4
90°-100°	72.5	2.2
100°-110°	22.7	0.7
110°-120°	10.6	0.3
120°-130°	6.2	0.2
130°-140°	3.8	0.1
140°-150°	1.6	0.0
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3231.9	96.5
0°-180°	3350.0	100.0



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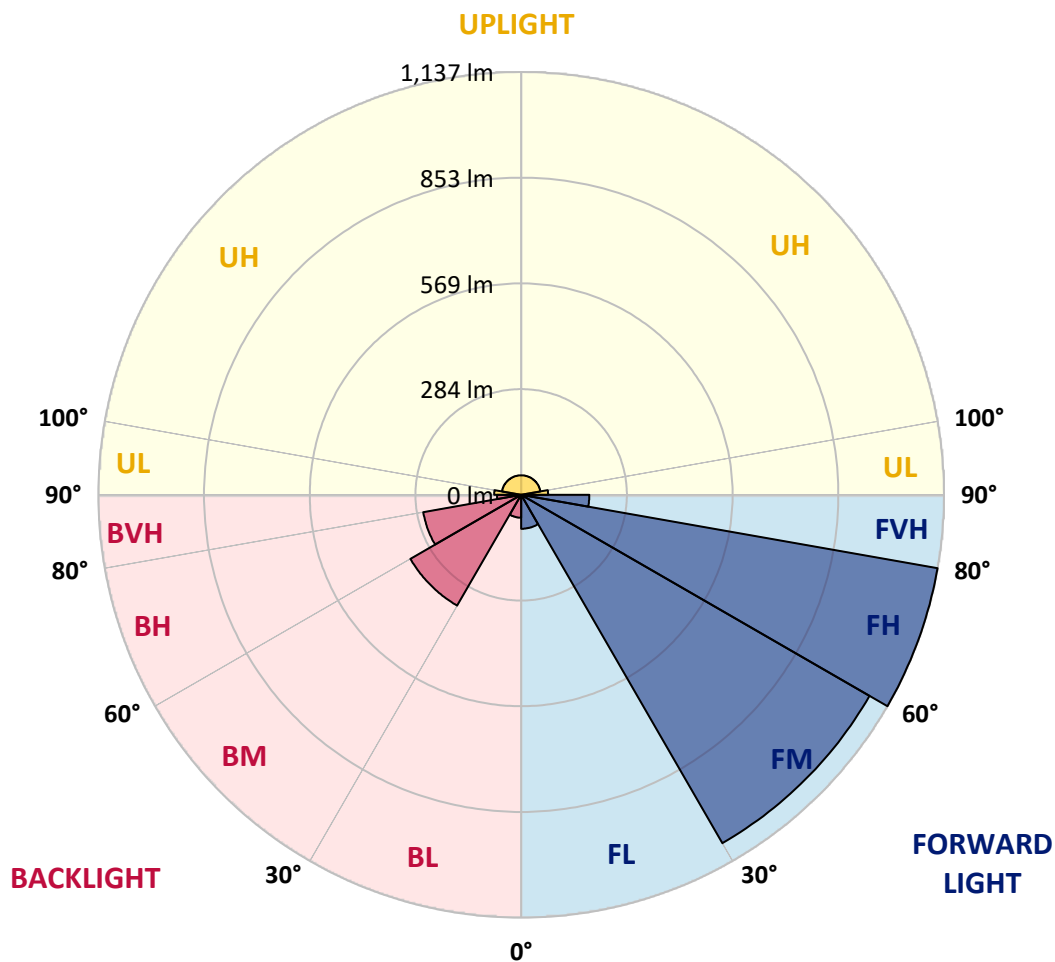
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	91.3	2.7			
FM	(30°-60°)	1081.8	32.3			
FH	(60°-80°)	1137.3	33.9			G1/1800
FVH	(80°-90°)	183.3	5.5			G2/225
BL	(0°-30°)	61.5	1.8	B0/110		
BM	(30°-60°)	344.1	10.3	B1/1000		
BH	(60°-80°)	267.5	8.0	B1/500		G1/500
BVH	(80°-90°)	65.2	1.9			G1/100
UL	(90°-100°)	72.5	2.2		U3/500	
UH	(100°-180°)	52.5	1.6		U3/500	

BUG Rating: B1-U3-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
2.5°	90.5	90.1	90.1	90.5	89.7	89.0	87.8	86.6	85.5	85.5	84.7
5°	97.8	97.4	97.4	97.4	95.9	94.7	92.0	90.5	89.0	88.2	87.0
7.5°	107.4	106.3	106.7	106.3	104.0	101.7	99.0	95.9	94.0	93.6	91.3
10°	120.1	119.4	118.6	117.1	114.8	110.9	107.1	104.4	101.7	101.3	98.6
12.5°	138.2	137.5	135.9	132.5	127.5	122.8	119.0	115.9	114.4	113.6	110.9
15°	160.2	157.9	157.1	151.7	144.8	139.4	135.2	133.2	131.7	131.7	128.2
17.5°	186.0	186.0	182.1	174.8	166.0	159.4	155.2	151.7	152.9	152.5	150.6
20°	218.0	217.2	211.4	201.8	191.0	184.8	179.4	177.5	179.1	180.6	180.6
22.5°	264.2	262.2	253.4	238.7	223.0	212.9	209.1	208.7	214.9	216.8	219.1
25°	316.1	313.4	302.3	284.6	264.9	249.5	244.1	248.4	259.5	263.8	268.4
27.5°	378.9	377.4	360.4	336.2	312.7	292.7	286.5	299.6	314.6	316.1	325.4
30°	459.8	460.5	437.4	402.4	362.4	341.6	334.6	350.4	372.7	374.3	392.8
32.5°	553.3	553.3	518.7	476.3	424.7	395.5	388.9	414.3	449.4	454.8	472.5
35°	672.7	665.8	621.5	560.7	496.0	452.5	451.7	491.4	539.5	544.9	564.1
37.5°	779.8	784.0	739.0	659.6	572.2	522.2	528.7	579.1	640.0	641.5	662.3
40°	895.7	900.3	847.2	764.4	656.9	600.7	613.8	660.8	721.2	722.4	729.7
42.5°	986.6	998.5	948.8	862.6	754.0	690.0	693.1	737.0	783.6	789.4	794.4
45°	1040.9	1049.7	1022.4	953.4	839.5	779.4	772.1	807.9	868.7	867.2	874.5
47.5°	1126.3	1136.7	1094.8	1032.0	935.7	861.4	852.2	898.8	973.5	981.2	974.2
50°	1214.9	1228.8	1198.3	1125.2	1025.8	953.4	954.6	1007.7	1094.8	1097.5	1101.7
52.5°	1276.9	1286.9	1275.0	1224.1	1118.6	1052.8	1063.2	1126.7	1212.2	1217.2	1200.3
55°	1286.5	1301.9	1311.6	1300.0	1220.3	1155.2	1181.8	1245.3	1303.1	1307.3	1294.2
57.5°	1283.4	1296.2	1316.6	1325.4	1285.4	1260.7	1295.0	1360.1	1471.4	1485.6	1479.1
60°	1280.0	1289.2	1331.6	1344.7	1322.0	1341.6	1396.3	1512.2	1573.4	1574.6	1514.9
62.5°	1183.7	1199.1	1278.8	1344.7	1338.5	1375.9	1495.6	1576.1	1624.6	1633.5	1576.5
65°	1087.1	1100.5	1180.6	1273.0	1313.9	1370.1	1511.0	1629.6	1737.4	1745.5	1632.7
67.5°	947.3	968.5	1055.9	1167.2	1217.2	1306.9	1470.6	1648.5	1715.5	1719.0	1590.0
70°	771.7	800.6	899.1	1016.6	1076.7	1167.5	1380.1	1581.1	1674.7	1672.8	1519.1
72.5°	556.0	581.8	672.0	811.3	905.3	1004.7	1214.5	1447.1	1500.2	1498.3	1292.3
75°	377.8	391.6	459.4	586.8	722.0	838.7	1046.2	1255.3	1300.4	1296.9	1107.1
77.5°	247.6	263.4	307.3	416.3	542.2	676.6	878.3	1050.9	1121.7	1109.0	938.4
80°	151.7	160.6	196.8	281.1	410.9	546.0	726.2	889.1	925.7	907.2	766.3
82.5°	94.7	101.7	127.5	185.6	295.0	421.7	595.7	748.6	789.4	768.6	630.4
85°	58.1	61.6	79.3	122.1	200.2	310.0	479.0	607.3	632.3	617.3	475.2
87.5°	42.4	43.1	54.3	82.4	135.2	221.8	352.7	457.5	475.6	447.8	333.1
90°	31.2	32.7	40.0	58.1	94.0	150.6	243.0	321.9	326.5	309.6	222.6
92.5°	23.5	24.3	30.0	41.2	64.7	102.8	162.1	215.6	211.4	199.5	138.2
95°	16.9	17.3	21.6	29.3	45.4	68.9	103.2	135.2	121.7	116.7	83.9
97.5°	13.9	14.2	17.3	22.7	33.5	48.5	66.6	80.5	71.6	68.5	53.9
100°	11.9	11.9	14.6	18.9	26.2	36.2	44.3	50.4	46.2	44.7	38.1
102.5°	10.8	10.8	12.7	15.8	21.6	28.5	32.7	34.7	32.3	31.2	28.1
105°	9.6	9.6	11.2	13.5	18.1	23.1	25.0	25.4	23.1	22.7	21.6
107.5°	8.9	8.9	10.0	11.9	15.4	19.3	20.0	18.9	17.7	16.9	16.9
110°	7.7	8.1	8.9	10.4	13.5	16.2	16.2	14.6	13.1	13.1	13.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	7.3	7.3	8.1	9.6	11.9	13.9	13.1	11.6	10.4	10.4	11.2
115°	6.5	6.5	7.3	8.9	10.8	11.9	11.2	9.6	8.5	8.9	9.6
117.5°	6.2	6.2	6.9	8.1	9.6	10.4	9.6	8.1	7.3	7.7	8.9
120°	6.2	6.2	6.9	7.7	8.9	9.2	8.5	6.9	6.5	6.5	7.7
122.5°	6.2	6.2	6.5	7.7	8.5	8.5	7.3	6.2	5.8	5.8	6.9
125°	6.2	6.2	6.9	7.7	7.7	7.7	6.5	5.4	5.0	5.4	6.2
127.5°	6.5	6.5	6.9	7.3	7.3	6.9	5.8	5.0	4.6	5.0	5.8
130°	6.5	6.5	6.9	7.3	6.9	6.2	5.4	4.6	4.6	4.6	5.8
132.5°	6.5	6.5	6.9	6.9	6.5	5.4	4.6	3.9	4.2	4.6	5.4
135°	6.2	6.2	6.2	6.2	5.8	5.0	3.9	3.5	3.9	4.2	5.0
137.5°	5.8	5.8	5.8	5.8	5.0	4.2	3.1	2.7	3.5	3.5	4.2
140°	5.0	5.0	5.4	5.0	4.6	3.5	2.7	1.9	2.7	2.7	3.5
142.5°	4.6	4.6	4.6	4.6	3.9	3.1	1.9	1.9	2.3	2.3	2.7
145°	3.9	3.9	4.2	3.9	3.1	2.3	1.5	1.5	1.9	1.9	2.3
147.5°	3.1	3.5	3.5	3.1	2.7	1.9	1.2	1.2	1.5	1.5	1.9
150°	2.7	2.7	2.7	2.7	1.9	1.2	0.8	1.2	1.5	1.5	1.5
152.5°	1.9	1.9	2.3	2.3	1.5	0.8	0.8	1.2	1.2	1.2	1.5
155°	1.5	1.5	1.9	1.5	1.2	0.4	0.8	0.8	1.2	1.2	1.2
157.5°	0.8	0.8	1.2	1.2	0.8	0.4	0.4	0.8	0.8	0.8	1.2
160°	0.4	0.4	1.2	1.2	0.8	0.4	0.4	0.4	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°	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
2.5°	84.3	83.6	83.2	82.4	81.6	80.9	80.9	80.9	80.5	80.1	80.5
5°	85.9	85.5	83.6	82.0	80.5	79.7	78.9	78.6	78.6	77.8	77.8
7.5°	90.1	88.6	85.9	83.2	81.6	80.1	78.9	78.6	78.2	77.4	77.4
10°	96.7	94.7	91.6	87.4	84.7	82.0	80.9	80.9	80.5	80.1	80.1
12.5°	109.0	106.7	101.3	95.5	90.1	86.3	85.5	86.6	89.0	89.3	89.3
15°	127.1	124.4	117.4	108.2	99.7	94.3	95.1	98.2	101.3	102.4	102.4
17.5°	149.4	146.3	136.3	122.8	111.7	106.7	106.3	110.5	114.8	117.1	117.1
20°	179.4	174.4	161.3	142.1	126.7	120.9	118.6	122.5	129.0	131.7	130.9
22.5°	216.8	211.0	192.5	163.3	144.0	133.6	130.5	134.8	142.9	146.3	145.9
25°	266.1	260.3	230.3	189.8	161.0	144.8	142.9	149.0	161.0	167.9	167.1
27.5°	323.5	313.8	273.8	219.5	177.5	154.0	154.4	164.8	177.1	184.8	184.1
30°	384.7	372.4	317.7	248.0	192.9	164.4	163.7	176.0	188.7	196.8	196.8
32.5°	465.6	447.5	368.5	275.3	204.9	172.5	169.8	183.7	196.8	205.2	204.9
35°	552.2	527.9	421.7	304.2	214.9	176.7	173.7	187.9	201.4	211.4	211.4
37.5°	651.5	610.3	471.3	324.2	221.8	179.1	174.8	191.0	207.6	218.0	217.2
40°	703.9	657.7	495.2	333.1	223.0	179.4	176.7	193.7	207.6	211.4	209.5
42.5°	762.4	702.8	505.2	322.3	218.7	178.7	177.9	191.0	197.2	196.0	194.8
45°	836.4	755.9	514.8	308.8	208.7	177.5	176.0	183.7	184.1	179.4	177.9
47.5°	930.7	829.1	530.6	292.7	198.7	174.8	172.9	176.4	169.8	161.3	158.6
50°	1032.0	913.8	550.3	278.8	189.5	171.4	169.4	168.3	161.7	153.3	151.7
52.5°	1120.2	971.2	555.7	264.2	183.3	169.0	166.7	165.6	159.4	149.8	147.9
55°	1199.1	1020.1	536.8	242.2	178.3	167.5	166.7	166.7	160.2	150.2	148.3
57.5°	1355.1	1137.1	543.7	219.9	171.7	167.1	168.3	168.7	162.5	152.9	150.9
60°	1359.7	1114.8	503.3	204.1	166.0	167.1	169.8	170.6	166.4	159.8	158.6
62.5°	1404.0	1115.6	449.0	183.7	162.1	166.4	171.0	173.7	174.1	170.2	169.4
65°	1420.1	1099.4	409.7	167.5	156.7	164.4	171.4	177.9	180.2	178.3	177.5
67.5°	1358.1	1025.1	356.2	156.7	151.3	161.3	171.0	179.1	184.1	185.2	185.2
70°	1276.5	941.5	308.4	146.3	145.6	157.1	168.3	179.1	186.0	189.1	189.1
72.5°	1069.3	773.2	254.5	135.5	137.9	150.6	162.5	175.6	183.3	186.0	184.8
75°	894.5	636.5	209.5	126.3	130.2	142.5	154.4	167.1	172.5	174.1	172.9
77.5°	756.7	529.5	172.1	117.8	120.9	132.1	142.9	151.7	155.2	154.4	152.5
80°	610.0	413.2	141.3	107.4	110.5	119.4	127.1	134.0	137.5	135.5	134.4
82.5°	485.6	328.5	120.5	98.2	99.3	106.7	112.1	117.4	123.2	121.7	118.6
85°	359.3	241.8	102.4	88.2	88.2	93.6	96.3	101.3	109.4	109.0	107.8
87.5°	245.7	172.1	87.0	78.2	77.8	80.9	82.4	87.8	98.2	98.6	97.4
90°	161.7	117.8	72.8	67.8	67.0	69.3	70.5	75.1	83.6	84.3	82.8
92.5°	105.1	81.6	59.7	57.4	57.0	58.9	58.5	61.6	67.4	67.0	65.8
95°	67.4	57.0	48.5	47.4	46.2	48.5	47.7	48.5	51.6	50.8	50.8
97.5°	46.6	43.5	40.0	38.1	37.4	39.7	38.9	38.9	40.4	38.9	38.1
100°	35.8	34.7	33.1	31.6	30.0	32.0	32.0	32.0	33.1	30.8	30.0
102.5°	27.7	27.3	27.3	26.2	25.0	26.6	27.0	27.3	27.0	24.6	24.3
105°	21.9	21.9	22.7	21.6	21.2	22.3	22.7	22.3	22.3	20.4	20.4
107.5°	17.3	18.1	18.9	18.1	18.1	18.9	18.9	18.9	18.1	16.9	17.3
110°	14.2	15.0	16.2	15.4	15.4	16.2	15.8	15.4	15.0	14.6	14.6



REPORT NUMBER: P414638

CATALOG NUMBER: LXF.LXT-PA1-30-730-U-T3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	12.3	12.7	13.5	13.1	13.5	13.9	13.5	12.7	12.7	12.7	13.1
115°	10.4	11.2	11.9	11.6	11.6	11.9	11.2	10.8	10.8	11.2	11.2
117.5°	9.2	10.0	10.4	10.4	10.0	10.4	9.6	9.2	9.6	10.0	10.0
120°	8.5	8.9	9.2	9.2	8.9	8.9	8.5	8.1	8.5	8.9	9.2
122.5°	7.7	8.1	8.1	8.5	8.1	7.7	7.3	7.3	7.7	8.1	8.1
125°	6.9	7.3	7.3	7.3	7.3	6.9	6.5	6.5	6.9	7.3	7.7
127.5°	6.2	6.5	6.5	6.9	6.5	6.2	5.8	6.2	6.5	6.9	6.9
130°	6.2	6.2	6.2	6.2	5.8	5.4	5.4	5.4	6.2	6.5	6.5
132.5°	5.8	6.2	5.8	5.8	5.4	4.6	4.6	5.0	5.8	6.2	6.2
135°	5.4	5.4	5.0	5.0	4.6	4.2	3.9	4.6	5.0	5.4	5.4
137.5°	4.6	4.6	4.2	3.9	3.9	3.5	3.5	3.9	4.6	5.0	5.0
140°	3.5	3.9	3.5	3.1	3.1	2.7	3.1	3.5	4.2	4.2	4.2
142.5°	2.7	3.1	2.7	2.3	2.3	2.3	2.3	3.1	3.9	3.9	3.9
145°	2.3	2.3	2.3	1.9	1.5	1.5	1.9	2.7	3.5	3.5	3.5
147.5°	1.9	1.9	1.9	1.5	1.2	1.2	1.5	2.3	2.7	2.7	2.7
150°	1.5	1.5	1.5	1.5	1.2	0.8	1.2	1.9	2.3	2.3	2.3
152.5°	1.5	1.5	1.5	1.2	0.8	0.4	0.8	1.5	1.9	1.9	1.9
155°	1.2	1.2	1.2	1.2	0.8	0.4	0.4	1.2	1.5	1.5	1.5
157.5°	1.2	1.2	1.2	0.8	0.4	0.0	0.4	1.2	1.5	1.2	1.2
160°	0.8	0.8	0.8	0.8	0.4	0.0	0.4	0.8	1.2	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

(END OF REPORT)