

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: P415008

Luminaire Tested: **LXF.LXT-PA1-40-727-U-T3-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415008
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-22)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-40-727-U-T3-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3985 lumens
Efficiency: N/A
Efficacy: 99.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B1 - U3 - G2

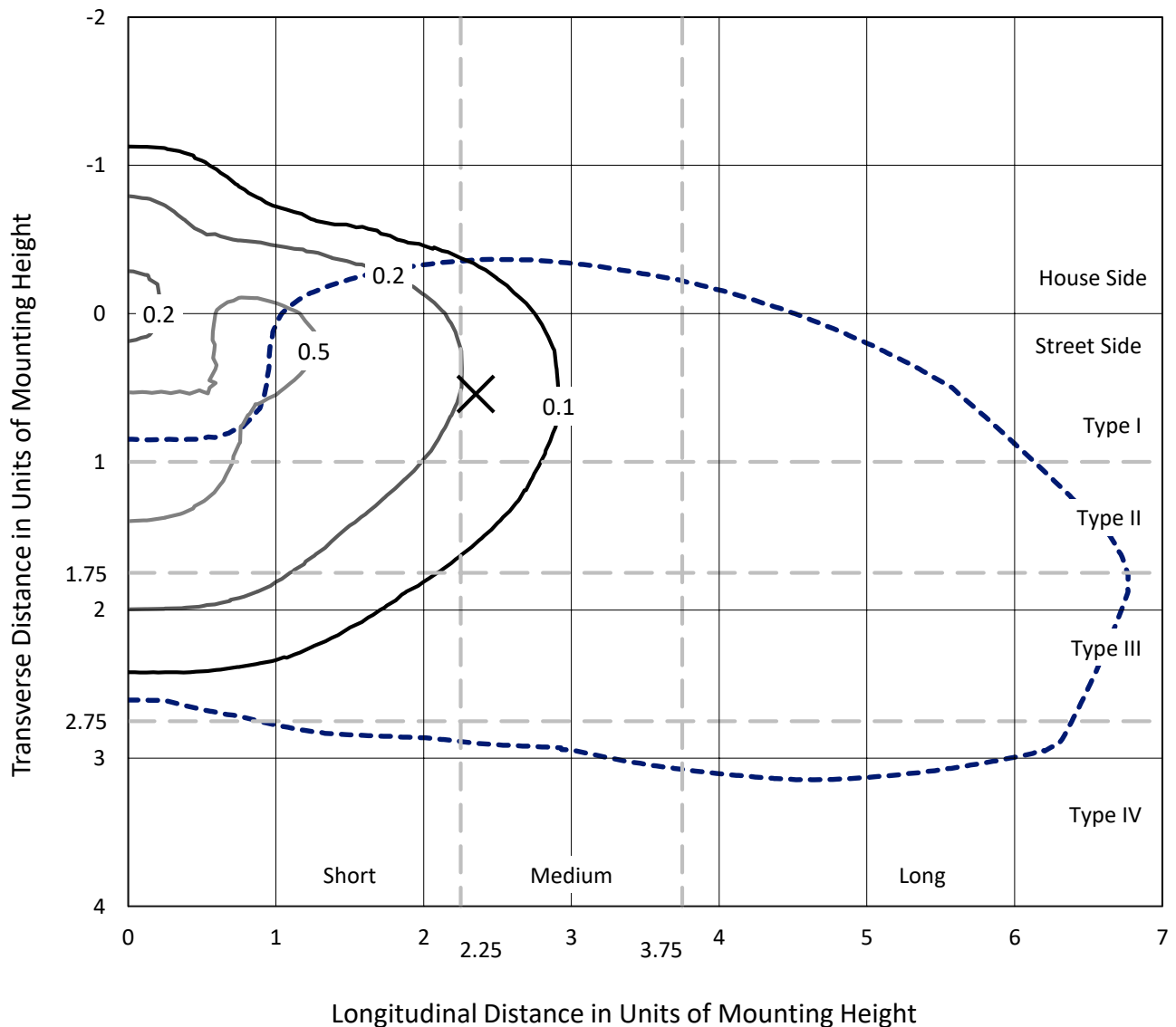
Input Watts (W): 40
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

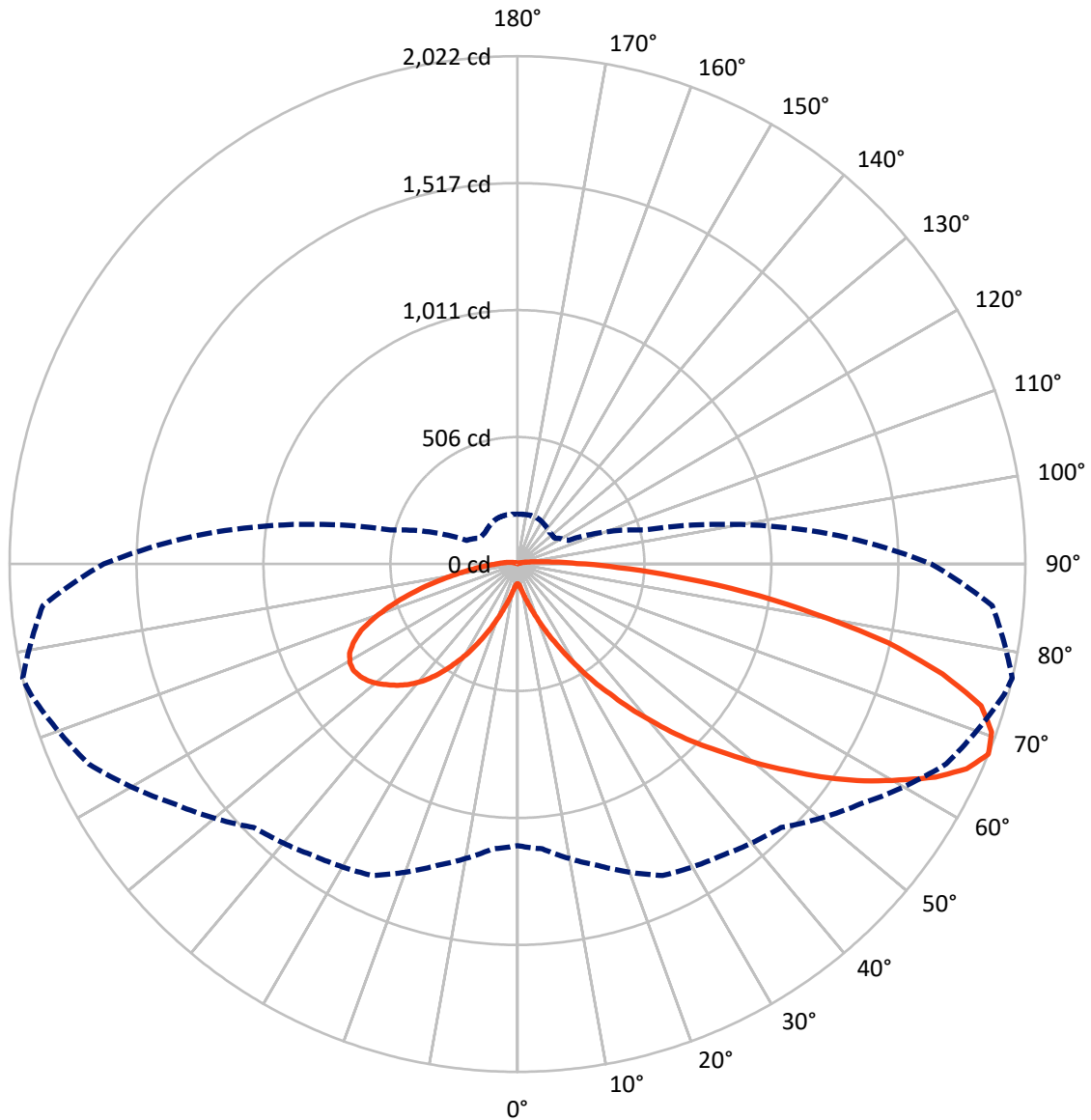
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	909.1	59.9	969.0
	% Fixture	22.8	1.5	24.3
Street Side	Lumens	2949.3	66.7	3016.0
	% Fixture	74.0	1.7	75.7
Total	Lumens	3858.5	126.5	3985.0
	% Fixture	96.8	3.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.1	0.2
10°-20°	46.2	1.2
20°-30°	138.1	3.5
30°-40°	305.8	7.7
40°-50°	547.7	13.7
50°-60°	820.3	20.6
60°-70°	966.9	24.3
70°-80°	738.2	18.5
80°-90°	286.2	7.2
90°-100°	72.9	1.8
100°-110°	27.6	0.7
110°-120°	13.0	0.3
120°-130°	6.9	0.2
130°-140°	3.8	0.1
140°-150°	1.7	0.0
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3858.5	96.8
0°-180°	3985.0	100.0



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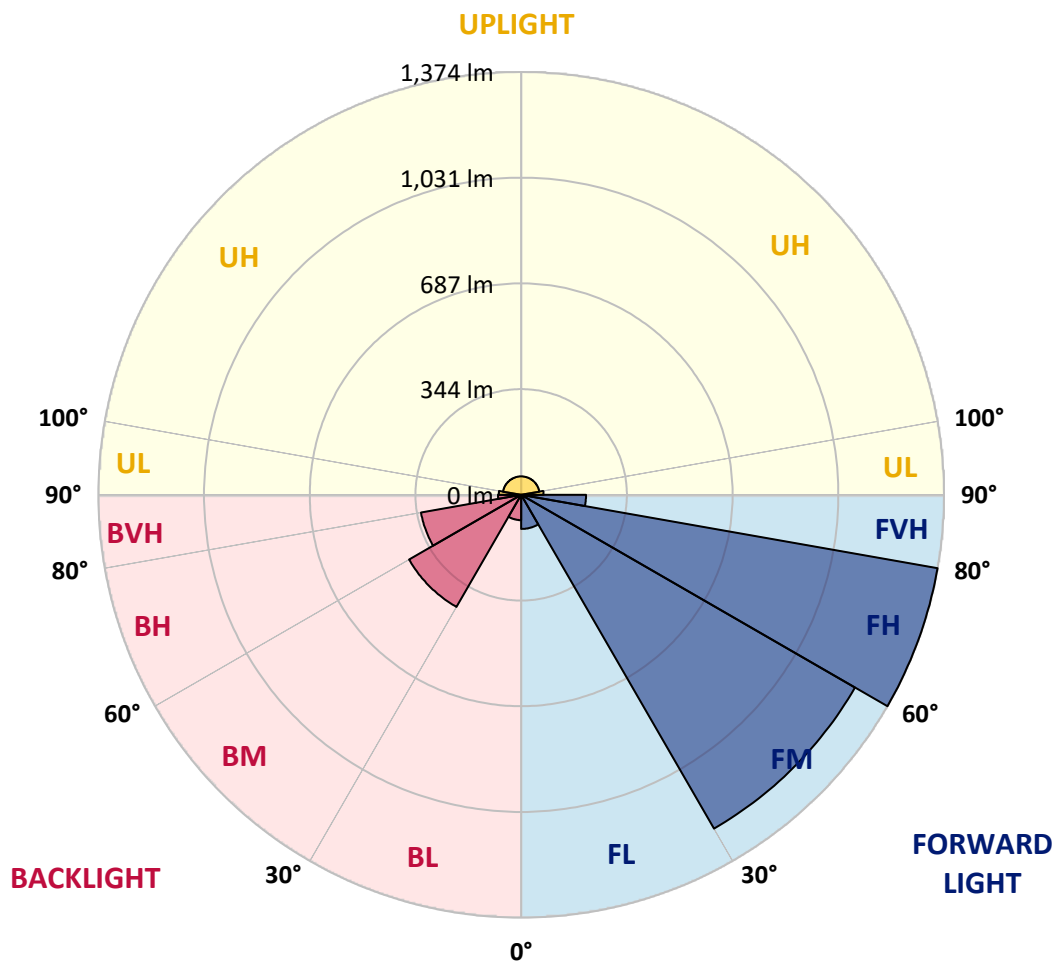
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	111.1	2.8			
FM (30°-60°)	1253.0	31.4			
FH (60°-80°)	1374.5	34.5			G1/1800
FVH (80°-90°)	210.8	5.3			G2/225
BL (0°-30°)	82.3	2.1	B0/110		
BM (30°-60°)	420.8	10.6	B1/1000		
BH (60°-80°)	330.6	8.3	B1/500		G1/500
BVH (80°-90°)	75.4	1.9			G1/100
UL (90°-100°)	72.9	1.8		U3/500	
UH (100°-180°)	59.9	1.5		U3/500	

BUG Rating: B1-U3-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
2.5°	82.9	82.4	82.9	82.9	83.3	82.4	81.5	81.0	80.6	80.6	80.1
5°	91.6	90.6	91.1	91.6	91.1	90.2	88.8	88.4	87.4	87.4	86.5
7.5°	103.9	103.9	103.5	102.6	103.5	102.1	101.2	100.7	99.3	98.9	98.4
10°	122.7	121.8	121.3	120.4	119.5	119.0	117.2	117.2	114.9	115.8	114.5
12.5°	147.0	145.1	145.6	143.8	141.0	139.2	138.3	137.8	137.8	137.8	137.3
15°	176.3	174.9	174.4	170.3	167.6	165.3	163.4	163.9	166.2	166.6	164.8
17.5°	209.7	212.0	207.8	204.2	200.1	195.5	195.5	195.5	197.3	198.7	197.8
20°	256.4	251.8	247.2	241.3	234.4	230.7	228.9	234.4	237.6	239.9	239.0
22.5°	307.7	303.1	298.0	288.4	278.8	271.9	271.9	278.8	286.1	288.9	289.8
25°	365.8	368.5	356.2	341.5	324.1	318.2	319.1	329.2	340.2	342.4	347.9
27.5°	437.7	437.7	427.1	403.8	380.9	369.0	369.9	386.4	402.9	406.1	410.2
30°	525.1	521.9	507.7	476.6	446.4	423.9	428.1	448.2	474.3	477.0	482.1
32.5°	622.6	622.2	594.7	556.3	512.8	486.2	488.0	517.3	549.8	557.6	563.1
35°	730.7	733.4	697.7	641.9	591.5	555.8	561.7	595.2	633.2	635.0	641.9
37.5°	854.3	852.9	810.3	749.5	674.4	636.4	631.8	677.1	716.9	728.8	725.2
40°	991.2	976.5	935.3	859.8	767.3	716.5	717.4	764.1	818.1	821.8	820.9
42.5°	1126.2	1119.8	1069.9	967.8	868.9	809.0	811.3	856.1	912.0	926.2	916.1
45°	1271.8	1255.8	1201.8	1096.5	976.1	911.1	905.1	955.5	1016.8	1027.8	1018.2
47.5°	1389.5	1379.4	1331.8	1219.6	1091.0	1007.7	998.5	1060.3	1130.4	1131.3	1117.1
50°	1487.0	1482.0	1444.4	1345.1	1202.2	1115.7	1106.1	1167.4	1240.7	1252.6	1232.0
52.5°	1571.2	1563.0	1544.2	1446.3	1303.4	1208.2	1206.8	1274.1	1365.7	1371.2	1351.5
55°	1598.2	1603.3	1600.5	1531.4	1402.8	1299.7	1311.2	1401.8	1483.8	1503.0	1465.9
57.5°	1594.1	1594.1	1620.2	1588.6	1469.1	1382.6	1407.3	1516.8	1623.4	1629.4	1585.0
60°	1531.9	1533.2	1596.0	1604.7	1516.8	1453.6	1511.7	1633.5	1742.9	1746.6	1704.9
62.5°	1442.1	1438.9	1530.9	1574.9	1522.7	1495.7	1586.3	1735.6	1855.5	1867.9	1805.2
65°	1302.0	1308.0	1407.3	1494.8	1491.6	1511.7	1644.5	1827.6	1947.1	1965.0	1874.3
67.5°	1121.2	1138.6	1243.0	1368.4	1417.0	1483.8	1666.0	1883.9	2006.6	2022.2	1897.7
70°	928.9	924.8	1037.9	1195.4	1290.1	1412.4	1642.2	1886.2	2008.0	2003.0	1847.8
72.5°	704.6	722.0	823.6	983.9	1124.4	1276.9	1564.8	1827.6	1931.1	1930.2	1715.9
75°	500.9	511.4	601.1	761.4	928.9	1118.5	1410.5	1699.9	1775.9	1748.4	1525.0
77.5°	330.5	340.2	417.5	563.6	718.8	919.3	1203.1	1476.9	1537.4	1509.0	1281.4
80°	205.6	210.1	268.7	384.6	522.4	712.4	974.2	1207.7	1231.5	1202.7	986.6
82.5°	122.2	125.9	168.0	246.8	372.2	518.7	734.3	925.7	933.5	913.8	711.5
85°	75.1	80.1	107.1	164.8	248.1	365.8	511.8	643.2	648.7	625.8	470.2
87.5°	49.0	51.7	72.8	107.1	167.1	244.9	342.9	428.1	415.7	401.5	297.1
90°	33.4	35.3	49.9	73.7	113.1	162.1	217.0	267.8	248.1	237.2	180.4
92.5°	23.3	25.2	36.6	53.1	78.3	108.5	141.0	160.2	152.0	147.0	113.5
95°	18.3	19.2	27.9	41.2	58.1	76.9	93.4	99.3	94.3	90.6	76.5
97.5°	14.7	15.6	23.3	33.4	45.3	57.2	65.0	66.8	61.8	60.0	53.1
100°	12.4	13.3	19.7	27.9	37.1	45.3	48.5	48.1	44.0	43.0	38.5
102.5°	11.0	11.4	17.4	24.3	31.6	36.6	38.5	36.2	32.0	31.6	28.8
105°	9.6	10.5	15.1	21.1	27.0	31.1	31.1	28.4	23.8	23.3	22.0
107.5°	9.2	9.2	13.3	18.3	23.3	26.1	26.1	22.9	18.8	17.9	16.9
110°	8.2	8.7	11.9	16.0	20.1	22.4	22.0	18.3	14.2	13.7	13.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	7.8	7.8	10.5	14.2	17.4	19.2	18.3	15.1	11.4	11.0	10.5
115°	7.3	7.3	9.6	12.8	15.6	16.9	15.6	12.4	9.2	8.7	9.2
117.5°	6.9	7.3	8.7	11.4	13.7	14.7	13.3	10.5	7.8	7.3	7.8
120°	6.9	6.9	8.2	10.1	11.9	12.8	11.4	8.7	6.4	6.4	6.9
122.5°	6.9	6.9	7.8	9.2	10.5	11.0	9.6	7.3	6.0	6.0	6.4
125°	6.4	6.4	7.3	8.2	9.6	9.6	8.7	6.4	5.0	5.0	6.0
127.5°	6.4	6.4	6.9	7.8	8.7	8.7	7.3	5.5	4.6	5.0	5.5
130°	6.0	6.0	6.4	6.9	7.8	7.3	6.4	5.0	4.1	4.6	5.0
132.5°	6.0	6.0	6.0	6.4	6.9	6.4	5.5	4.1	4.1	4.1	4.6
135°	5.5	5.5	6.0	6.0	6.0	5.5	4.6	3.7	3.7	3.7	4.1
137.5°	5.5	5.5	5.5	5.5	5.5	5.0	4.1	3.2	3.2	3.2	3.7
140°	5.0	5.0	5.0	4.6	4.6	4.1	3.2	2.7	2.7	2.7	3.2
142.5°	4.6	4.6	4.6	4.1	4.1	3.2	2.7	2.3	2.3	2.7	2.7
145°	4.1	4.1	4.1	3.7	3.2	2.7	1.8	1.8	2.3	2.3	2.7
147.5°	3.2	3.2	3.2	3.2	2.3	2.3	1.4	1.8	1.8	2.3	2.3
150°	2.7	2.7	2.7	2.7	1.8	1.4	0.9	1.4	1.8	1.8	1.8
152.5°	2.3	2.3	2.3	2.3	1.4	0.9	0.9	1.4	1.4	1.4	1.8
155°	1.4	1.4	1.8	1.4	0.9	0.5	0.9	0.9	1.4	1.4	1.4
157.5°	0.9	0.9	0.9	0.9	0.5	0.5	0.5	0.9	0.9	0.9	1.4
160°	0.5	0.5	0.9	0.9	0.9	0.5	0.5	0.5	0.9	0.9	0.9
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°	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
2.5°	79.7	80.1	79.7	79.2	79.2	78.7	78.7	78.7	78.7	78.3	78.3
5°	87.0	86.5	86.1	85.2	84.2	83.3	83.3	82.9	82.4	81.9	81.9
7.5°	97.1	97.1	96.1	94.8	93.4	92.5	91.6	91.1	89.7	89.7	89.3
10°	112.6	112.6	109.9	108.5	106.2	103.9	103.0	101.6	100.7	100.3	99.8
12.5°	135.1	133.7	130.9	126.4	121.8	118.1	115.8	114.9	115.4	115.4	115.8
15°	163.9	161.2	157.0	148.3	140.1	134.6	133.2	133.2	133.7	133.7	134.1
17.5°	198.2	194.1	185.0	174.0	162.1	154.7	151.5	151.5	152.5	153.8	155.2
20°	239.9	236.2	222.0	202.8	185.0	175.3	169.9	169.4	171.2	175.3	174.4
22.5°	287.1	282.9	261.9	233.9	209.2	193.7	187.7	189.5	194.1	196.9	196.9
25°	343.8	337.0	305.4	264.6	233.0	211.1	203.3	206.0	212.9	216.1	217.5
27.5°	404.7	395.6	353.4	298.0	251.8	225.2	217.0	220.7	228.9	233.9	235.3
30°	477.0	461.0	403.8	329.2	268.7	235.3	226.6	233.5	242.6	248.6	250.0
32.5°	553.0	528.3	447.3	355.7	281.1	242.2	233.5	241.7	251.8	258.7	259.1
35°	629.0	600.7	495.4	377.2	287.5	245.4	236.2	245.8	256.8	262.3	263.7
37.5°	711.5	672.1	537.0	391.0	290.3	244.9	236.2	245.8	256.4	261.0	261.9
40°	790.7	742.1	574.1	399.2	289.3	241.3	233.0	243.1	252.3	255.5	255.0
42.5°	879.5	809.9	603.9	399.7	282.9	235.8	228.9	237.6	244.0	243.6	244.0
45°	964.2	881.8	625.8	396.5	274.2	228.9	223.4	231.2	233.5	231.2	230.7
47.5°	1057.1	953.2	643.2	388.2	263.7	222.5	217.5	223.4	223.9	218.8	217.9
50°	1155.5	1024.6	659.3	373.1	251.3	215.2	212.0	217.0	216.1	207.8	206.5
52.5°	1251.7	1096.9	669.3	354.8	239.0	208.8	207.4	212.4	209.7	200.1	198.2
55°	1354.2	1163.8	671.2	336.5	227.1	203.3	203.3	208.8	205.6	195.5	194.1
57.5°	1454.5	1233.8	664.3	312.7	215.6	197.3	200.1	206.5	204.2	194.1	193.2
60°	1548.3	1286.5	645.5	290.3	205.1	193.2	197.8	205.1	203.3	195.0	194.1
62.5°	1621.1	1321.3	615.8	268.3	195.9	189.1	195.5	202.8	203.3	196.4	196.9
65°	1655.0	1321.3	572.7	246.3	187.7	185.0	193.2	201.4	202.4	198.2	198.2
67.5°	1647.7	1287.4	524.2	223.4	179.9	179.9	190.0	198.7	200.5	198.7	198.7
70°	1570.3	1195.8	457.8	205.1	172.1	174.0	185.0	194.1	196.9	197.3	196.9
72.5°	1444.4	1058.0	389.1	185.9	163.9	168.0	178.5	187.7	191.4	192.3	191.8
75°	1249.8	898.2	321.8	169.9	155.2	160.2	171.2	179.0	183.1	185.0	184.0
77.5°	1004.5	712.8	263.7	153.8	145.1	150.6	161.2	167.6	172.6	174.9	173.1
80°	765.5	530.6	209.7	137.8	132.8	138.7	147.9	154.7	159.3	160.2	158.9
82.5°	543.4	376.3	168.0	122.7	119.5	124.5	132.8	137.3	142.8	142.4	139.6
85°	356.2	255.5	131.9	106.7	105.3	108.5	114.9	117.7	123.2	123.2	119.9
87.5°	231.7	169.4	103.9	89.7	91.1	93.9	97.1	99.3	101.6	102.1	99.3
90°	147.9	115.8	82.9	76.5	77.8	80.1	80.1	79.7	83.3	84.2	81.9
92.5°	97.1	82.4	68.7	65.0	65.9	66.4	66.4	64.6	67.8	68.2	66.4
95°	68.2	61.8	56.8	55.9	55.9	55.9	54.9	52.6	55.4	55.4	54.5
97.5°	51.3	48.1	47.6	47.6	47.6	47.2	45.8	44.9	45.8	45.8	45.3
100°	38.5	38.0	39.4	40.3	40.7	40.3	39.4	38.0	38.0	36.2	36.6
102.5°	29.3	30.2	33.0	34.3	34.3	34.3	33.9	32.0	31.1	29.3	28.8
105°	22.9	23.8	27.0	28.8	29.3	29.8	28.8	27.0	25.2	23.3	22.9
107.5°	17.9	19.2	22.0	24.3	25.2	25.2	24.7	22.9	20.6	18.3	18.3
110°	14.7	15.6	18.3	20.6	21.5	21.5	21.1	18.8	16.5	14.7	14.7



REPORT NUMBER: P415008

CATALOG NUMBER: LXF.LXT-PA1-40-727-U-T3-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	11.9	12.8	15.6	17.4	18.3	18.8	17.9	16.0	13.7	11.9	11.9
115°	10.1	11.0	13.3	14.7	15.6	15.6	15.1	13.3	11.4	10.1	10.1
117.5°	8.7	9.6	11.4	12.8	13.3	13.7	12.8	11.4	9.6	8.7	8.7
120°	7.8	8.2	10.1	11.0	11.4	11.4	11.0	9.6	8.2	7.8	7.8
122.5°	6.9	7.8	8.7	9.6	10.1	10.1	9.6	8.2	7.3	6.9	7.3
125°	6.4	6.9	7.8	8.7	8.7	8.7	8.2	7.3	6.4	6.4	6.4
127.5°	6.0	6.4	6.9	7.3	7.8	7.8	7.3	6.4	6.0	6.0	6.0
130°	5.5	6.0	6.4	6.4	6.9	6.9	6.4	5.5	5.5	5.5	5.5
132.5°	5.0	5.5	5.5	6.0	6.0	6.0	5.5	5.0	5.0	5.0	5.0
135°	4.6	4.6	5.0	5.0	5.0	5.0	4.6	4.6	4.6	4.6	4.6
137.5°	4.1	4.1	4.6	4.1	4.6	4.1	4.1	3.7	4.1	4.1	4.1
140°	3.7	3.7	3.7	3.7	3.7	3.7	3.2	3.2	3.7	3.7	3.7
142.5°	3.2	3.2	3.2	2.7	2.7	2.7	2.7	2.7	3.2	3.2	3.2
145°	2.7	2.7	2.7	2.3	2.3	1.8	2.3	2.3	2.7	2.7	2.7
147.5°	2.3	2.3	2.3	2.3	1.8	1.4	1.4	1.8	2.3	2.3	2.3
150°	1.8	2.3	2.3	1.8	1.4	0.9	0.9	1.4	1.8	1.8	1.8
152.5°	1.8	1.8	1.8	1.4	0.9	0.5	0.5	0.9	1.4	1.4	1.4
155°	1.4	1.4	1.4	1.4	0.9	0.5	0.0	0.9	0.9	0.9	0.9
157.5°	1.4	1.4	1.4	0.9	0.5	0.0	0.0	0.5	0.9	0.5	0.5
160°	0.9	0.9	0.9	0.9	0.5	0.5	0.0	0.5	0.5	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)