

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: P414639

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

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414639
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-12)
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-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3473 lumens
Efficiency: N/A
Efficacy: 112.0 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

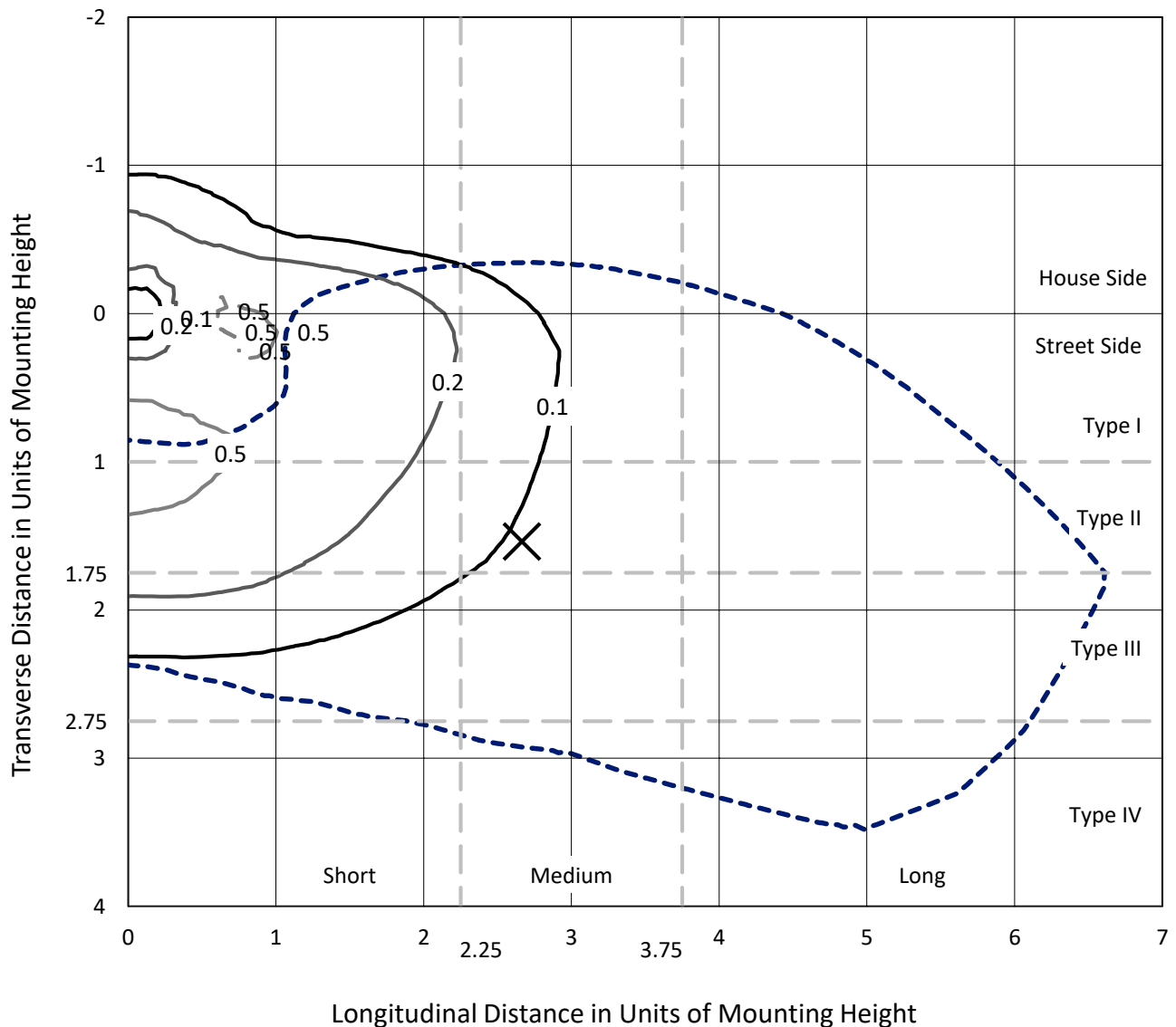
Input Watts (W): 31
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

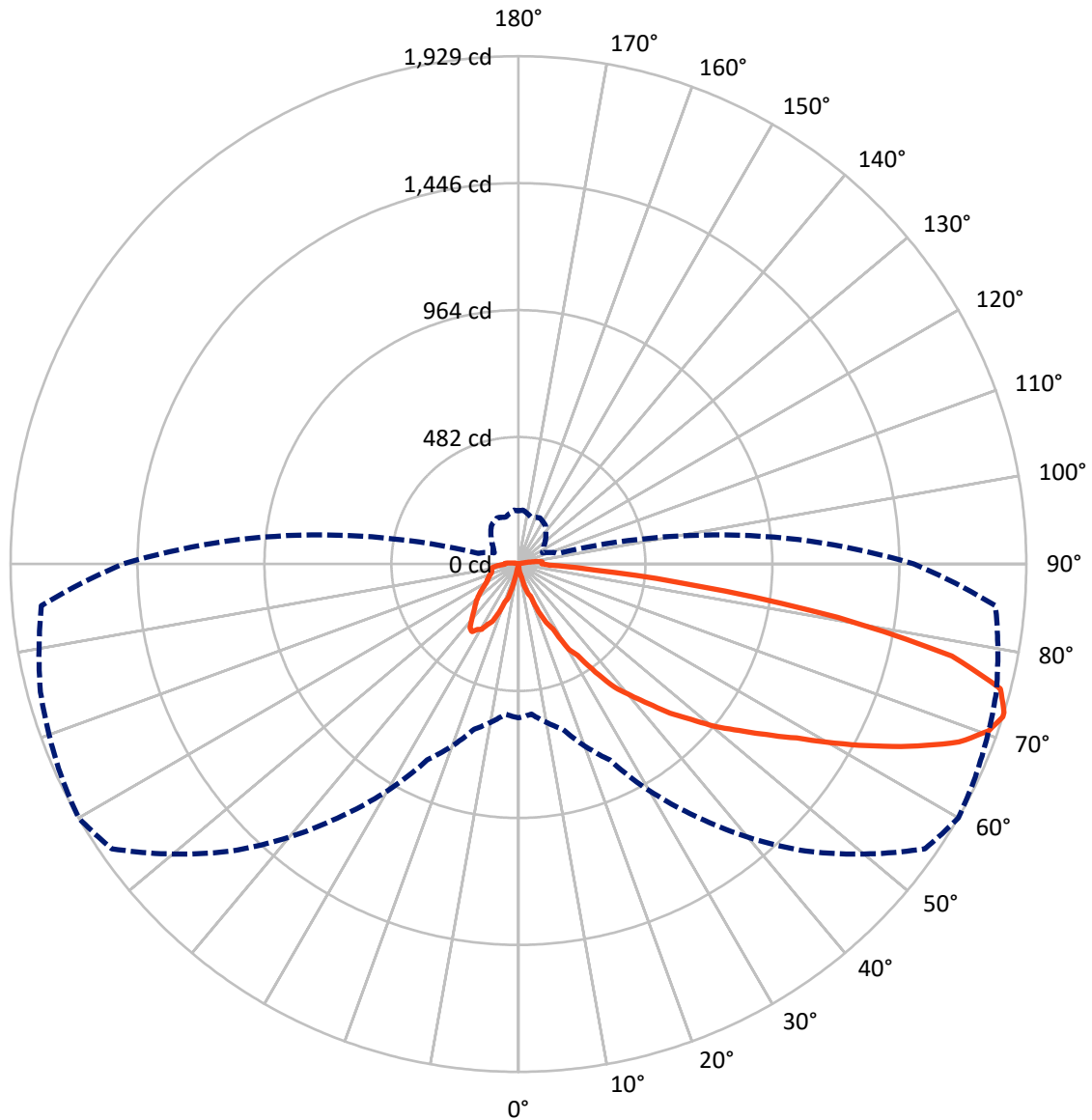
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical



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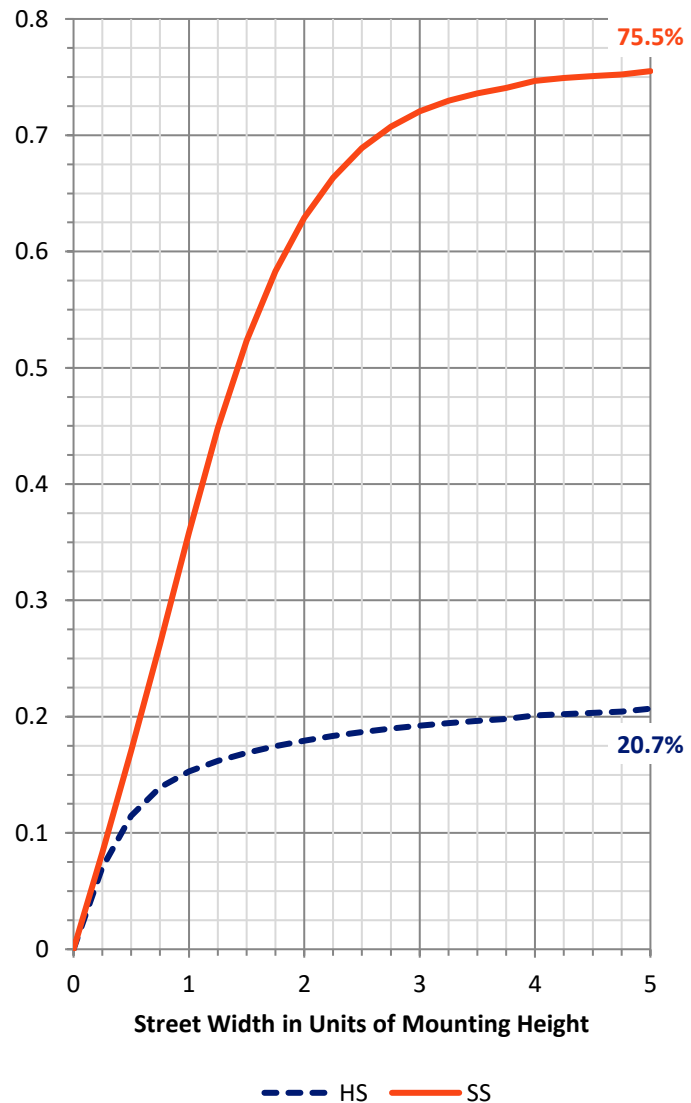
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	759.0	37.0	796.1
	% Fixture	21.9	1.1	22.9
Street Side	Lumens	2644.4	32.5	2676.9
	% Fixture	76.1	0.9	77.1
Total	Lumens	3403.4	69.5	3473.0
	% Fixture	98.0	2.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.9	0.1
10°-20°	28.4	0.8
20°-30°	118.4	3.4
30°-40°	273.5	7.9
40°-50°	480.3	13.8
50°-60°	726.0	20.9
60°-70°	895.1	25.8
70°-80°	691.1	19.9
80°-90°	188.8	5.4
90°-100°	51.3	1.5
100°-110°	8.9	0.3
110°-120°	3.4	0.1
120°-130°	2.4	0.1
130°-140°	1.6	0.0
140°-150°	1.3	0.0
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3403.4	98.0
0°-180°	3473.0	100.0



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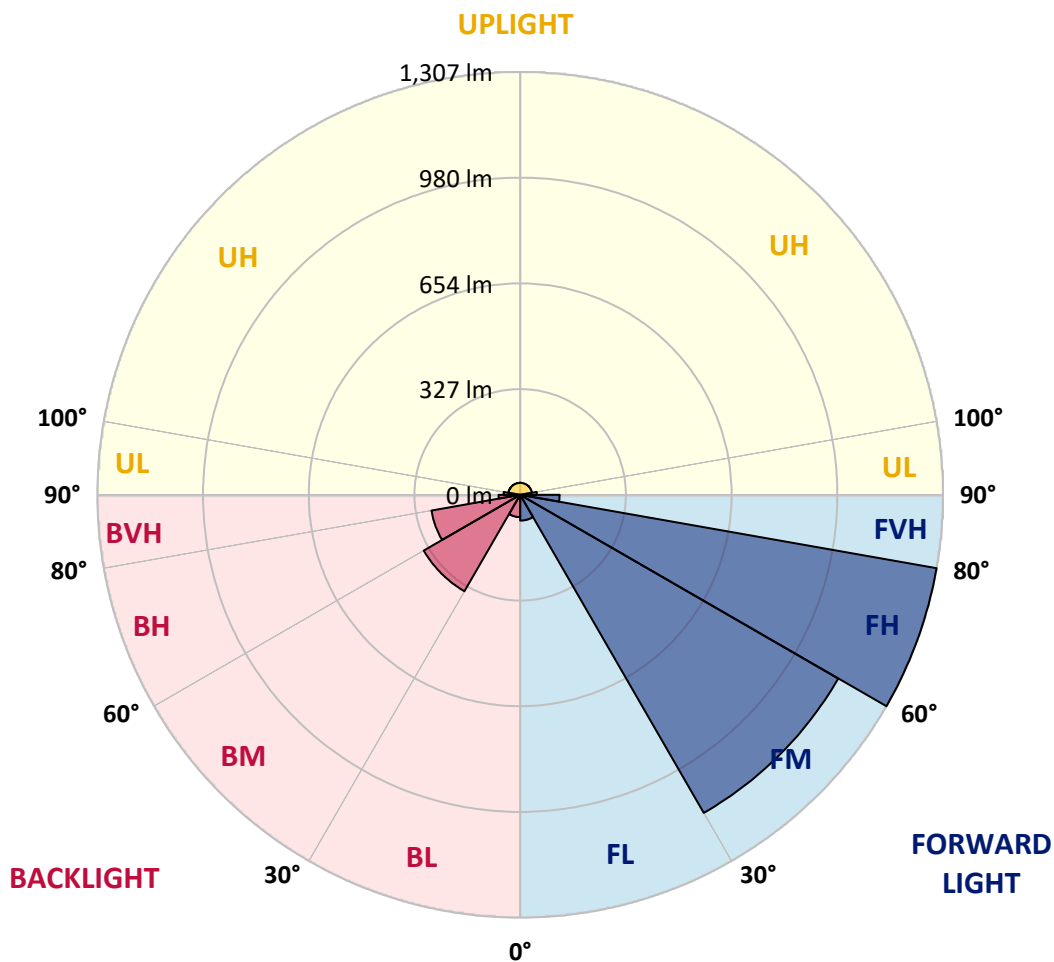
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	79.7	2.3			
FM	(30°-60°)	1135.5	32.7			
FH	(60°-80°)	1307.2	37.6			G1/1800
FVH	(80°-90°)	121.9	3.5			G2/225
BL	(0°-30°)	69.0	2.0	B0/110		
BM	(30°-60°)	344.3	9.9	B1/1000		
BH	(60°-80°)	278.9	8.0	B1/500		G1/500
BVH	(80°-90°)	66.9	1.9			G1/100
UL	(90°-100°)	51.3	1.5		U3/500	
UH	(100°-180°)	37.0	1.1		U2/50	

BUG Rating: B1-U3-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	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°	4.6	4.2	3.9	3.9	4.2	3.9	3.5	3.1	2.7	2.7	2.3
5°	43.1	42.0	41.6	33.5	15.4	11.9	5.4	4.2	3.5	2.7	2.3
7.5°	47.7	47.4	47.0	47.0	46.2	43.9	25.0	12.3	6.9	3.5	3.1
10°	54.7	53.9	51.6	50.4	49.3	48.5	45.0	42.7	19.3	5.8	5.0
12.5°	97.4	95.9	93.6	69.3	59.3	52.4	51.2	49.3	42.7	17.7	35.8
15°	104.7	104.3	102.8	101.6	98.6	65.5	79.3	90.5	102.4	83.5	93.2
17.5°	131.7	127.8	117.8	112.0	110.1	120.1	114.7	116.7	116.7	112.4	106.6
20°	196.7	194.0	189.0	166.7	125.5	154.8	151.7	129.0	132.8	164.4	191.0
22.5°	237.2	234.5	224.1	209.8	207.1	172.1	179.0	195.6	200.2	230.6	230.2
25°	321.9	316.9	294.5	252.6	258.0	222.1	249.9	246.0	234.1	254.1	261.0
27.5°	393.1	388.9	378.1	356.9	299.1	310.7	284.1	279.1	311.1	367.3	366.1
30°	471.6	448.5	419.7	413.1	370.4	352.3	359.2	375.8	387.7	393.1	406.6
32.5°	572.1	569.4	547.9	462.8	449.3	402.7	435.8	413.1	422.3	500.1	546.3
35°	641.8	648.7	610.6	559.8	495.9	494.7	480.9	503.6	547.9	558.6	590.6
37.5°	804.3	806.2	771.9	626.8	585.2	545.2	588.3	594.4	606.8	625.2	652.2
40°	926.7	909.4	867.0	759.2	668.7	625.2	656.0	655.3	682.2	716.1	733.0
42.5°	1077.6	1058.4	982.5	860.5	775.8	727.7	730.7	724.2	746.5	800.0	810.4
45°	1204.3	1195.8	1137.3	1008.7	894.0	836.2	815.4	807.3	818.5	885.9	891.7
47.5°	1324.0	1301.3	1263.2	1133.1	1065.7	960.6	900.9	881.7	885.1	961.7	978.7
50°	1450.7	1412.6	1365.6	1251.3	1202.4	1116.9	999.1	969.0	970.2	1041.0	1069.9
52.5°	1525.8	1465.3	1434.9	1340.2	1290.9	1248.2	1101.9	1049.9	1055.3	1122.3	1166.2
55°	1479.2	1461.1	1461.8	1405.3	1368.7	1318.6	1201.6	1143.5	1149.6	1228.2	1283.2
57.5°	1400.6	1414.5	1463.4	1461.1	1440.7	1391.8	1300.9	1246.6	1282.1	1347.9	1406.0
60°	1340.2	1356.0	1435.3	1476.1	1514.2	1478.4	1403.7	1380.2	1413.3	1470.7	1540.4
62.5°	1239.3	1252.0	1361.0	1468.8	1512.3	1552.3	1501.5	1522.7	1553.1	1601.6	1686.3
65°	1101.5	1098.4	1233.9	1401.8	1499.6	1593.5	1627.4	1666.3	1694.0	1746.0	1823.0
67.5°	938.6	954.0	1068.0	1257.4	1449.9	1614.3	1733.3	1804.5	1821.8	1841.8	1897.3
70°	766.5	765.8	865.5	1066.8	1343.3	1602.8	1833.8	1895.4	1895.7	1883.8	1900.4
72°	584.4	572.1	649.1	820.8	1166.6	1540.8	1885.3	1928.5	1914.2	1878.8	1818.4
72.5°	501.7	512.8	585.2	773.1	1087.2	1510.0	1890.7	1928.1	1912.7	1873.8	1793.7
75°	254.5	238.3	279.5	414.3	750.0	1220.1	1851.9	1890.4	1847.2	1798.7	1572.7
77.5°	99.7	102.4	118.6	179.0	365.0	803.5	1598.5	1682.5	1654.7	1620.5	1240.5
80°	70.1	70.1	79.3	102.0	187.1	326.5	1107.6	1229.7	1272.4	1289.4	829.7
82.5°	50.8	51.6	60.4	71.2	133.6	156.7	544.0	683.4	750.8	813.9	463.9
85°	47.4	47.4	48.5	47.7	95.5	111.7	197.9	291.8	337.3	395.4	187.5
87.5°	22.3	24.3	35.8	28.5	47.0	68.9	107.8	117.0	119.7	135.9	134.8
90°	14.6	14.6	11.9	12.3	23.1	55.8	86.6	88.6	85.1	99.7	125.5
92.5°	15.0	15.4	11.2	11.6	18.1	51.2	88.9	90.5	87.8	104.7	133.2
95°	13.9	13.9	9.6	10.0	14.2	39.3	88.9	90.5	82.8	104.3	133.2
97.5°	11.6	11.9	7.7	8.1	11.2	19.3	61.6	66.2	52.7	53.1	65.1
100°	10.0	10.0	6.2	6.5	8.1	8.9	31.2	32.7	29.3	13.1	8.9
102.5°	10.0	10.0	5.4	5.4	5.4	5.0	9.6	16.2	13.5	7.7	8.5
105°	9.6	10.0	5.0	4.2	4.2	3.9	5.0	6.2	6.2	6.2	8.9
107.5°	7.7	8.1	3.9	3.9	3.5	3.5	2.7	2.7	3.9	5.8	9.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	6.2	6.2	3.1	3.5	2.7	3.1	2.3	2.3	3.5	4.2	7.3
112.5°	3.5	3.5	2.3	2.7	2.3	2.7	2.3	2.3	2.7	3.5	4.6
115°	3.1	3.1	1.9	1.9	1.9	1.9	1.9	1.9	2.3	3.1	5.0
117.5°	3.1	3.1	1.9	1.9	1.9	1.5	1.5	1.9	1.9	3.1	5.0
120°	3.1	3.1	1.9	1.9	1.5	1.5	1.5	1.9	1.9	3.1	5.0
122.5°	3.5	3.1	1.9	1.5	1.5	1.5	1.5	1.5	1.9	2.7	5.0
125°	3.5	3.1	2.3	1.5	1.5	1.5	1.5	1.5	1.9	2.7	4.2
127.5°	3.5	3.5	2.3	1.5	1.5	1.5	1.5	1.5	1.5	2.3	3.9
130°	3.5	3.1	2.3	1.5	1.5	1.5	1.5	1.5	1.5	2.3	3.5
132.5°	3.1	3.1	2.3	1.5	1.9	1.5	1.5	1.5	1.5	1.9	2.7
135°	2.7	2.7	1.9	1.9	1.9	1.5	1.5	1.5	1.5	1.5	2.3
137.5°	2.7	2.7	2.3	1.9	1.9	1.9	1.5	1.5	1.5	1.5	1.9
140°	2.7	2.7	2.3	2.3	2.3	1.9	1.5	1.5	1.5	1.9	1.9
142.5°	3.1	3.1	2.7	2.3	2.3	1.9	1.5	1.5	1.9	1.9	1.9
145°	3.5	3.5	3.1	2.7	2.3	1.5	1.5	1.9	1.9	1.9	2.3
147.5°	3.5	3.5	3.1	2.3	1.9	1.5	1.5	1.9	1.9	2.3	2.3
150°	3.1	3.1	2.7	1.9	1.5	1.2	1.5	1.5	1.9	2.3	2.3
152.5°	2.3	2.3	1.9	1.5	1.2	0.8	1.2	1.5	1.5	1.9	2.3
155°	1.5	1.5	1.2	0.8	0.8	0.8	1.2	1.2	1.2	1.5	1.9
157.5°	0.8	0.8	0.4	0.4	0.8	0.8	0.8	1.2	1.2	1.2	1.5
160°	0.4	0.4	0.4	0.4	0.8	0.8	0.8	1.2	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



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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	2.3	2.7	2.7	2.7	3.1	3.5
5°	2.3	2.3	2.3	2.3	2.7	3.1	3.5	3.9	4.2	4.6	4.6
7.5°	2.7	2.7	2.7	3.1	3.5	4.2	9.6	33.9	46.2	50.4	49.3
10°	5.0	5.0	4.6	4.6	5.4	45.0	57.4	62.4	65.1	68.1	68.1
12.5°	40.0	46.2	16.6	9.2	44.7	63.1	67.8	71.2	73.5	76.6	76.6
15°	96.6	98.2	100.9	90.9	87.8	71.6	74.7	101.3	133.2	141.7	142.5
17.5°	108.6	110.5	112.4	133.2	141.7	109.7	126.3	142.1	145.1	148.2	148.2
20°	207.1	210.2	170.6	152.8	149.4	186.0	142.8	146.7	152.1	179.4	182.1
22.5°	234.9	236.8	221.8	231.4	169.4	194.4	187.9	187.9	210.2	211.8	212.1
25°	263.3	274.1	245.6	237.9	241.0	196.7	221.8	200.2	203.3	205.6	206.0
27.5°	384.2	382.7	359.6	272.2	241.8	238.3	215.2	197.5	231.0	239.9	240.2
30°	408.5	404.6	383.8	318.8	251.0	236.0	202.9	228.3	222.1	223.3	223.7
32.5°	561.7	555.6	496.7	322.6	262.2	217.9	220.2	212.5	213.3	237.2	237.9
35°	600.2	591.7	509.0	373.1	249.9	221.0	203.7	213.3	217.1	216.0	216.0
37.5°	651.8	635.6	505.1	350.7	259.9	206.7	194.8	201.4	199.0	213.7	212.9
40°	708.0	685.3	507.0	325.3	235.6	194.0	186.7	192.5	191.0	186.7	183.6
42.5°	779.6	740.4	506.7	304.2	213.3	189.8	176.3	175.9	169.4	162.5	160.2
45°	852.8	798.5	508.2	279.9	196.4	186.3	170.6	161.3	155.5	148.2	146.3
47.5°	932.9	860.5	512.8	260.6	183.3	175.9	163.2	152.1	147.8	138.6	137.8
50°	1027.6	925.5	514.4	245.2	167.9	166.7	157.9	145.5	139.0	129.7	129.0
52.5°	1129.6	994.5	517.1	222.5	155.9	163.2	160.9	144.0	141.3	129.4	128.6
55°	1226.2	1059.9	516.3	195.2	150.5	160.2	160.9	154.0	149.8	130.1	128.6
57.5°	1342.5	1130.7	504.7	169.8	142.1	155.5	168.6	162.9	158.2	142.1	139.0
60°	1446.4	1203.9	470.5	150.2	134.8	150.5	175.2	169.4	156.3	145.9	142.8
62.5°	1568.1	1267.0	422.7	135.9	132.1	152.1	177.5	173.6	157.5	154.0	152.8
65°	1650.5	1290.9	350.4	124.4	131.7	152.1	176.7	177.5	165.9	169.4	169.0
67.5°	1660.5	1260.1	265.7	115.5	127.1	152.1	175.6	185.2	173.6	187.9	188.7
70°	1612.4	1183.1	193.7	106.6	122.0	150.2	175.9	190.2	179.4	201.7	200.2
72°	1501.5	1066.5	156.7	100.9	117.8	147.1	178.6	192.9	184.4	205.2	201.7
72.5°	1472.6	1030.6	149.8	100.1	117.0	146.7	179.4	193.7	184.8	208.7	204.4
75°	1232.4	820.8	128.6	94.3	118.2	144.8	183.3	193.3	187.1	211.0	211.8
77.5°	933.6	553.2	114.0	89.3	117.8	141.3	182.1	190.2	183.6	202.9	207.1
80°	577.9	321.9	101.3	88.9	117.0	139.8	177.1	182.1	174.0	189.4	190.6
82.5°	316.1	188.3	87.8	87.4	113.6	135.5	167.5	172.9	165.2	182.1	170.2
85°	161.7	127.8	65.8	71.6	99.3	127.4	156.3	155.9	148.2	154.4	145.9
87.5°	124.7	100.5	42.7	51.6	81.2	105.1	128.6	127.4	117.4	118.2	114.7
90°	114.7	89.7	28.1	36.6	67.8	75.5	89.3	85.9	78.9	80.5	79.3
92.5°	115.5	88.6	27.0	38.9	65.1	67.8	82.0	77.8	70.8	71.6	69.3
95°	112.8	85.1	27.0	34.3	53.9	48.1	58.9	57.4	51.6	48.9	47.7
97.5°	53.9	42.4	25.0	25.4	30.4	26.2	35.8	38.5	30.8	24.6	24.6
100°	9.2	14.2	21.9	25.8	21.9	16.6	22.7	26.2	17.7	8.1	8.9
102.5°	9.2	8.9	16.9	21.9	15.8	8.9	13.1	17.3	11.2	6.2	6.5
105°	10.0	9.2	8.1	15.0	9.2	4.6	5.0	8.9	6.2	6.2	6.2
107.5°	10.8	10.0	5.8	5.8	4.6	4.2	3.9	3.5	4.2	6.2	6.5



REPORT NUMBER: P414639

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	8.1	8.1	5.4	4.6	4.2	4.2	3.1	3.1	4.2	6.5	6.5
112.5°	5.8	5.8	4.6	3.9	3.5	4.2	3.1	3.1	3.9	6.5	6.9
115°	5.8	5.8	4.2	3.5	3.1	3.5	3.1	2.7	3.9	6.5	6.9
117.5°	5.8	5.8	4.2	3.1	2.7	2.7	2.3	2.7	3.9	6.5	6.9
120°	5.8	5.8	4.2	3.1	2.7	2.3	2.3	2.3	3.9	6.5	6.9
122.5°	5.4	5.4	3.9	2.7	2.3	1.9	1.9	2.3	3.5	6.2	6.5
125°	5.0	5.0	3.5	2.7	2.3	1.9	1.9	1.9	3.5	5.8	6.2
127.5°	4.6	4.6	3.5	2.3	1.9	1.9	1.9	1.9	3.1	5.4	5.8
130°	3.9	3.9	3.1	2.3	1.9	1.5	1.9	1.9	3.1	5.0	5.0
132.5°	3.1	3.1	2.3	1.9	1.9	1.5	1.5	1.9	2.7	4.2	4.6
135°	2.3	2.3	2.3	1.9	1.9	1.5	1.5	1.5	2.3	3.5	3.9
137.5°	1.9	2.3	1.9	1.9	1.9	1.5	1.5	1.5	2.3	3.1	3.1
140°	1.9	1.9	1.9	1.9	1.9	1.5	1.5	1.5	2.3	2.7	3.1
142.5°	1.9	2.3	1.9	1.9	1.9	1.5	1.5	1.9	2.3	3.1	3.1
145°	2.3	2.3	2.3	1.9	1.9	1.2	1.2	1.9	2.3	3.1	3.1
147.5°	2.3	2.3	2.3	1.9	1.5	1.2	1.2	1.5	2.3	3.1	3.1
150°	2.3	2.3	2.3	1.9	1.5	0.8	0.8	1.5	1.9	2.7	3.1
152.5°	2.3	2.3	1.9	1.9	1.2	0.8	0.4	1.2	1.5	2.3	2.3
155°	1.9	1.9	1.9	1.5	1.2	0.4	0.0	0.4	1.2	1.9	1.9
157.5°	1.5	1.5	1.5	1.2	0.8	0.4	0.0	0.4	0.4	1.2	1.2
160°	1.2	1.2	1.2	1.2	0.8	0.4	0.0	0.0	0.4	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)