

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: P416094

Luminaire Tested: **LXF.LXT-PA1-60-827-U-T3-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416094
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-PA1-60-827-U-T3-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 800mA 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: 5217.1 lumens
Efficiency: N/A
Efficacy: 81.5 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 - G3

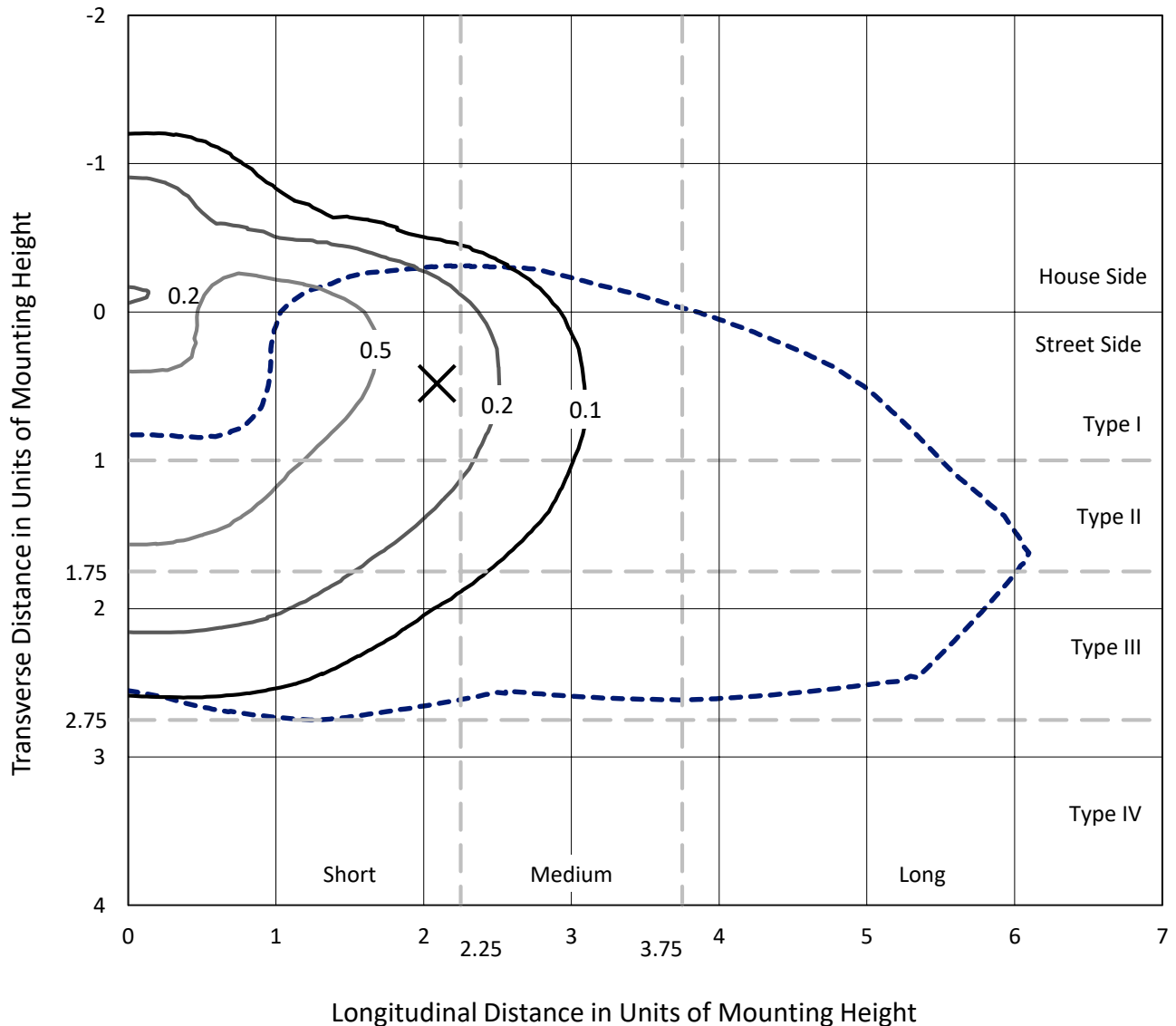
Input Watts (W): 64
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P416094
 CATALOG NUMBER: LXF.LXT-PA1-60-827-U-T3-A

Iso-Footcandle Lines of Horizontal Illumination

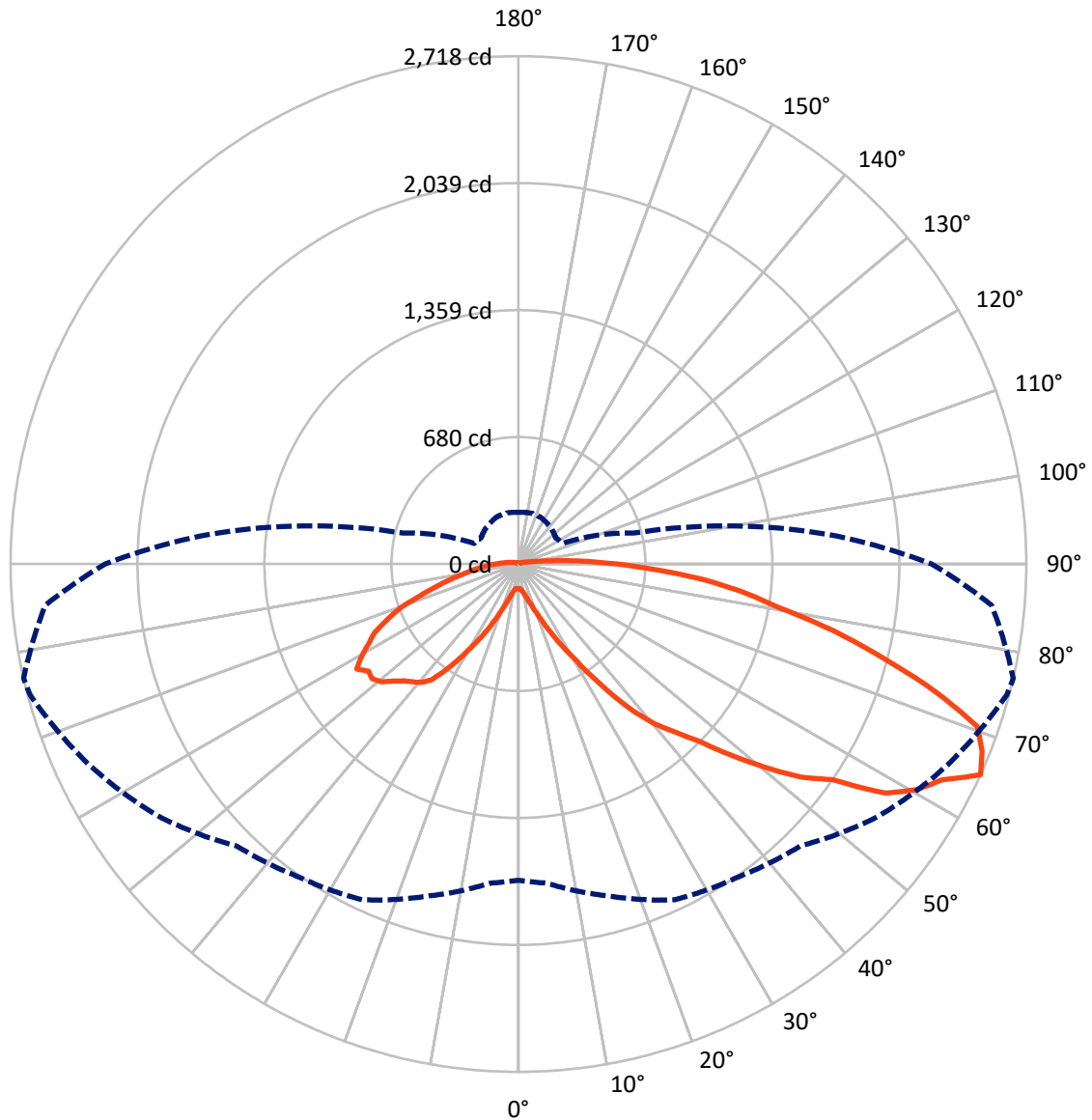
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type III - Short - Non-Cutoff

REPORT NUMBER: P416094
CATALOG NUMBER: LXF.LXT-PA1-60-827-U-T3-A

Luminous Intensity Polar Plot



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

REPORT NUMBER: P416094

CATALOG NUMBER: LXF.LXT-PA1-60-827-U-T3-A

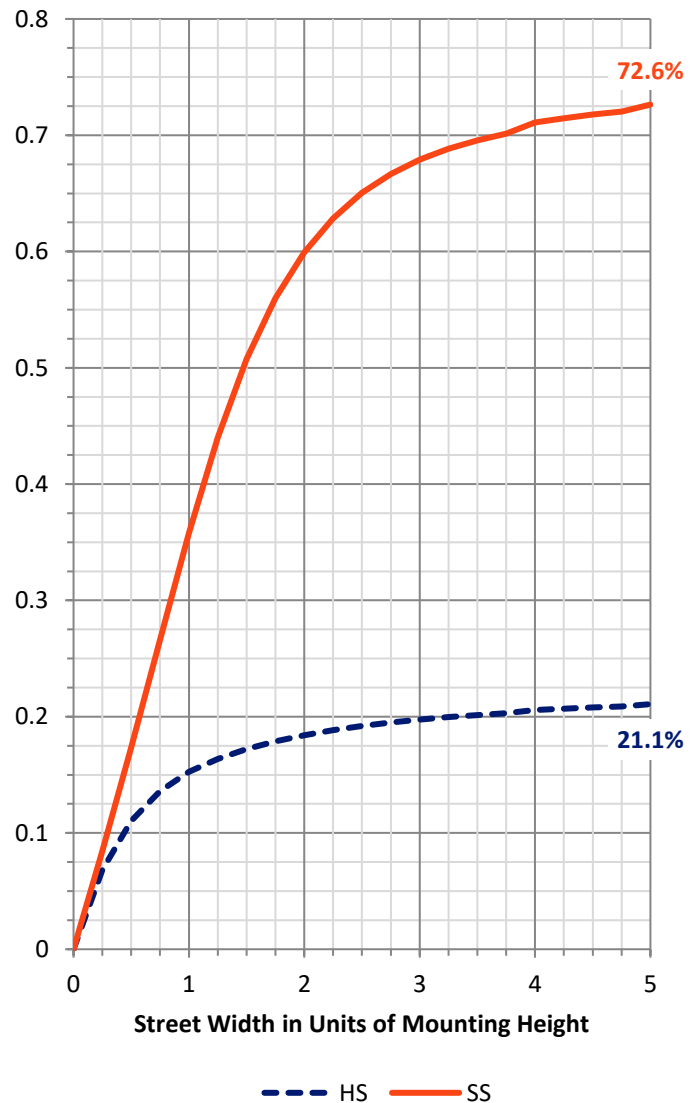
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1149.6	81.8	1231.4
	% Fixture	22.0	1.6	23.6
Street Side	Lumens	3883.4	102.2	3985.7
	% Fixture	74.4	2.0	76.4
Total	Lumens	5033.1	184.0	5217.1
	% Fixture	96.5	3.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.4	0.3
10°-20°	57.1	1.1
20°-30°	167.4	3.2
30°-40°	400.8	7.7
40°-50°	721.8	13.8
50°-60°	1097.9	21.0
60°-70°	1295.1	24.8
70°-80°	892.5	17.1
80°-90°	386.9	7.4
90°-100°	113.0	2.2
100°-110°	35.4	0.7
110°-120°	16.5	0.3
120°-130°	9.7	0.2
130°-140°	5.9	0.1
140°-150°	2.6	0.0
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5033.1	96.5
0°-180°	5217.1	100.0



REPORT NUMBER: P416094

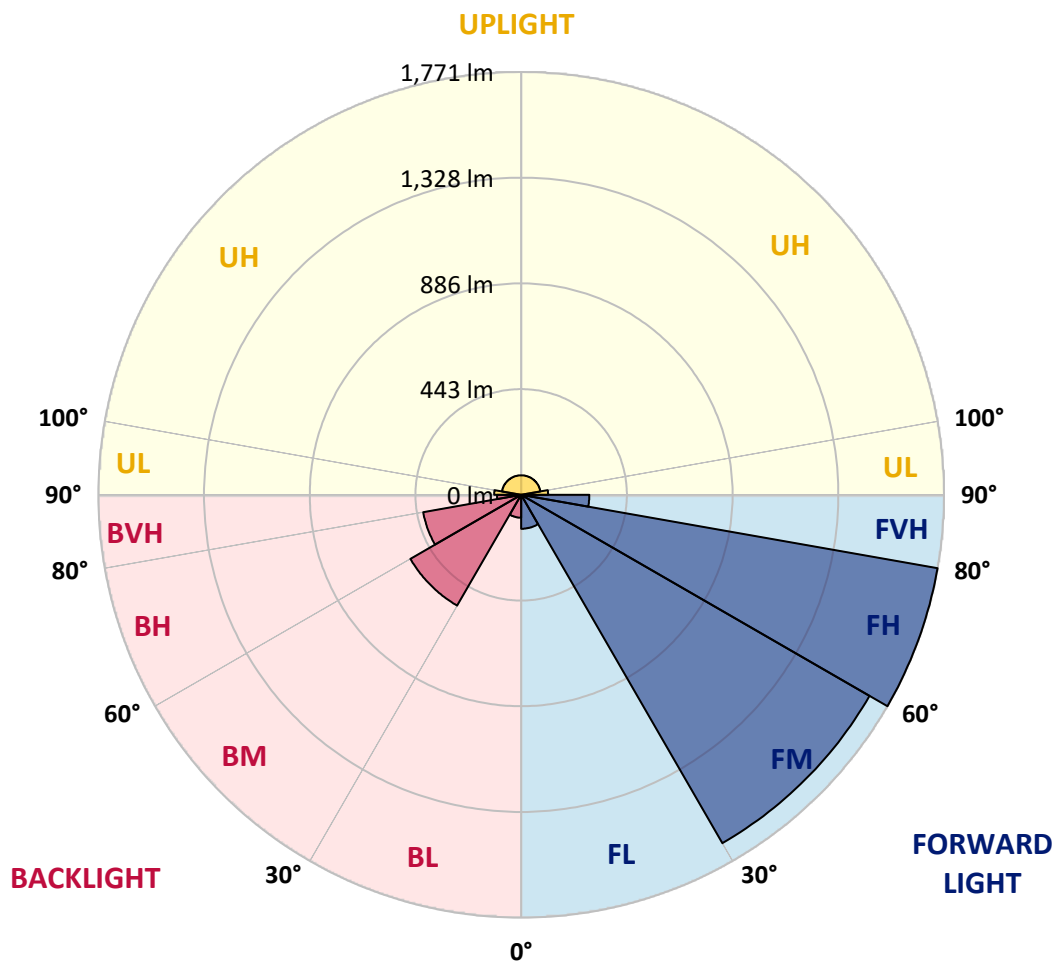
CATALOG NUMBER: LXF.LXT-PA1-60-827-U-T3-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	142.2	2.7			
FM	(30°-60°)	1684.7	32.3			
FH	(60°-80°)	1771.1	33.9			G1/1800
FVH	(80°-90°)	285.5	5.5			G3/500
BL	(0°-30°)	95.8	1.8	B0/110		
BM	(30°-60°)	535.8	10.3	B1/1000		
BH	(60°-80°)	416.5	8.0	B1/500		G1/500
BVH	(80°-90°)	101.5	1.9			G2/225
UL	(90°-100°)	113.0	2.2		U3/500	
UH	(100°-180°)	81.8	1.6		U3/500	

BUG Rating: B1-U3-G3

Type III Short





REPORT NUMBER: P416094

CATALOG NUMBER: LXF.LXT-PA1-60-827-U-T3-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	131.3	131.3	131.3	131.3	131.3	131.3	131.3	131.3	131.3	131.3	131.3
2.5°	140.9	140.3	140.3	140.9	139.7	138.5	136.7	134.9	133.1	133.1	131.9
5°	152.3	151.7	151.7	151.7	149.3	147.5	143.3	140.9	138.5	137.3	135.5
7.5°	167.3	165.5	166.1	165.5	161.9	158.3	154.1	149.3	146.3	145.7	142.1
10°	187.1	185.9	184.7	182.3	178.7	172.7	166.7	162.5	158.3	157.7	153.5
12.5°	215.3	214.1	211.7	206.3	198.5	191.3	185.3	180.5	178.1	176.9	172.7
15°	249.5	245.9	244.7	236.3	225.5	217.1	210.5	207.5	205.1	205.1	199.7
17.5°	289.6	289.6	283.6	272.3	258.5	248.3	241.7	236.3	238.1	237.5	234.5
20°	339.4	338.2	329.2	314.2	297.4	287.8	279.4	276.5	278.9	281.2	281.2
22.5°	411.4	408.4	394.6	371.8	347.2	331.6	325.6	325.0	334.6	337.6	341.2
25°	492.3	488.1	470.7	443.2	412.6	388.6	380.2	386.8	404.2	410.8	418.0
27.5°	590.1	587.7	561.3	523.5	486.9	455.8	446.2	466.5	489.9	492.3	506.7
30°	716.0	717.2	681.2	626.7	564.3	531.9	521.1	545.7	580.5	582.9	611.7
32.5°	861.7	861.7	807.8	741.8	661.4	615.9	605.7	645.3	699.8	708.2	735.8
35°	1047.6	1036.8	967.9	873.1	772.4	704.6	703.4	765.2	840.1	848.5	878.5
37.5°	1214.3	1220.9	1150.8	1027.2	891.1	813.2	823.4	901.9	996.7	999.1	1031.4
40°	1394.9	1402.0	1319.3	1190.4	1023.1	935.5	955.9	1029.0	1123.2	1125.0	1136.4
42.5°	1536.4	1555.0	1477.6	1343.3	1174.2	1074.6	1079.4	1147.8	1220.3	1229.3	1237.1
45°	1620.9	1634.7	1592.1	1484.8	1307.3	1213.7	1202.4	1258.1	1352.9	1350.5	1361.9
47.5°	1754.1	1770.2	1704.9	1607.1	1457.2	1341.5	1327.1	1399.6	1516.0	1528.0	1517.2
50°	1892.0	1913.6	1866.2	1752.3	1597.5	1484.8	1486.6	1569.4	1704.9	1709.1	1715.7
52.5°	1988.5	2004.1	1985.5	1906.4	1742.1	1639.5	1655.7	1754.7	1887.8	1895.6	1869.2
55°	2003.5	2027.5	2042.5	2024.5	1900.4	1799.0	1840.4	1939.4	2029.3	2035.9	2015.5
57.5°	1998.7	2018.5	2050.3	2064.1	2001.7	1963.3	2016.7	2118.1	2291.4	2313.6	2303.4
60°	1993.3	2007.7	2073.7	2094.1	2058.7	2089.3	2174.4	2354.9	2450.3	2452.1	2359.1
62.5°	1843.4	1867.4	1991.5	2094.1	2084.5	2142.6	2329.1	2454.5	2530.0	2543.8	2455.1
65°	1692.9	1713.9	1838.6	1982.5	2046.1	2133.7	2353.1	2537.8	2705.7	2718.3	2542.6
67.5°	1475.2	1508.2	1644.3	1817.6	1895.6	2035.3	2290.2	2567.2	2671.6	2677.0	2476.1
70°	1201.8	1246.7	1400.2	1583.1	1676.7	1818.2	2149.2	2462.3	2608.0	2605.0	2365.7
72.5°	865.9	906.1	1046.4	1263.5	1409.8	1564.6	1891.4	2253.6	2336.3	2333.3	2012.5
75°	588.3	609.9	715.4	913.9	1124.4	1306.1	1629.3	1955.0	2025.1	2019.7	1724.1
77.5°	385.6	410.2	478.5	648.3	844.3	1053.6	1367.9	1636.5	1746.9	1727.1	1461.4
80°	236.3	250.1	306.4	437.8	639.9	850.3	1131.0	1384.7	1441.6	1412.8	1193.4
82.5°	147.5	158.3	198.5	289.0	459.4	656.6	927.7	1165.8	1229.3	1197.0	981.7
85°	90.6	95.9	123.5	190.1	311.8	482.7	746.0	945.7	984.7	961.3	740.0
87.5°	66.0	67.2	84.6	128.3	210.5	345.4	549.3	712.4	740.6	697.4	518.7
90°	48.6	51.0	62.4	90.6	146.3	234.5	378.4	501.3	508.5	482.1	346.6
92.5°	36.6	37.8	46.8	64.2	100.7	160.1	252.5	335.8	329.2	310.6	215.3
95°	26.4	27.0	33.6	45.6	70.8	107.3	160.7	210.5	189.5	181.7	130.7
97.5°	21.6	22.2	27.0	35.4	52.2	75.6	103.7	125.3	111.5	106.7	84.0
100°	18.6	18.6	22.8	29.4	40.8	56.4	69.0	78.6	72.0	69.6	59.4
102.5°	16.8	16.8	19.8	24.6	33.6	44.4	51.0	54.0	50.4	48.6	43.8
105°	15.0	15.0	17.4	21.0	28.2	36.0	39.0	39.6	36.0	35.4	33.6
107.5°	13.8	13.8	15.6	18.6	24.0	30.0	31.2	29.4	27.6	26.4	26.4
110°	12.0	12.6	13.8	16.2	21.0	25.2	25.2	22.8	20.4	20.4	21.0



REPORT NUMBER: P416094

CATALOG NUMBER: LXF.LXT-PA1-60-827-U-T3-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	11.4	11.4	12.6	15.0	18.6	21.6	20.4	18.0	16.2	16.2	17.4
115°	10.2	10.2	11.4	13.8	16.8	18.6	17.4	15.0	13.2	13.8	15.0
117.5°	9.6	9.6	10.8	12.6	15.0	16.2	15.0	12.6	11.4	12.0	13.8
120°	9.6	9.6	10.8	12.0	13.8	14.4	13.2	10.8	10.2	10.2	12.0
122.5°	9.6	9.6	10.2	12.0	13.2	13.2	11.4	9.6	9.0	9.0	10.8
125°	9.6	9.6	10.8	12.0	12.0	12.0	10.2	8.4	7.8	8.4	9.6
127.5°	10.2	10.2	10.8	11.4	11.4	10.8	9.0	7.8	7.2	7.8	9.0
130°	10.2	10.2	10.8	11.4	10.8	9.6	8.4	7.2	7.2	7.2	9.0
132.5°	10.2	10.2	10.8	10.8	10.2	8.4	7.2	6.0	6.6	7.2	8.4
135°	9.6	9.6	9.6	9.6	9.0	7.8	6.0	5.4	6.0	6.6	7.8
137.5°	9.0	9.0	9.0	9.0	7.8	6.6	4.8	4.2	5.4	5.4	6.6
140°	7.8	7.8	8.4	7.8	7.2	5.4	4.2	3.0	4.2	4.2	5.4
142.5°	7.2	7.2	7.2	7.2	6.0	4.8	3.0	3.0	3.6	3.6	4.2
145°	6.0	6.0	6.6	6.0	4.8	3.6	2.4	2.4	3.0	3.0	3.6
147.5°	4.8	5.4	5.4	4.8	4.2	3.0	1.8	1.8	2.4	2.4	3.0
150°	4.2	4.2	4.2	4.2	3.0	1.8	1.2	1.8	2.4	2.4	2.4
152.5°	3.0	3.0	3.6	3.6	2.4	1.2	1.2	1.8	1.8	1.8	2.4
155°	2.4	2.4	3.0	2.4	1.8	0.6	1.2	1.2	1.8	1.8	1.8
157.5°	1.2	1.2	1.8	1.8	1.2	0.6	0.6	1.2	1.2	1.2	1.8
160°	0.6	0.6	1.8	1.8	1.2	0.6	0.6	0.6	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



REPORT NUMBER: P416094

CATALOG NUMBER: LXF.LXT-PA1-60-827-U-T3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	131.3	131.3	131.3	131.3	131.3	131.3	131.3	131.3	131.3	131.3	131.3
2.5°	131.3	130.1	129.5	128.3	127.1	125.9	125.9	125.9	125.3	124.7	125.3
5°	133.7	133.1	130.1	127.7	125.3	124.1	122.9	122.3	122.3	121.1	121.1
7.5°	140.3	137.9	133.7	129.5	127.1	124.7	122.9	122.3	121.7	120.5	120.5
10°	150.5	147.5	142.7	136.1	131.9	127.7	125.9	125.9	125.3	124.7	124.7
12.5°	169.7	166.1	157.7	148.7	140.3	134.3	133.1	134.9	138.5	139.1	139.1
15°	197.9	193.7	182.9	168.5	155.3	146.9	148.1	152.9	157.7	159.5	159.5
17.5°	232.7	227.9	212.3	191.3	173.9	166.1	165.5	172.1	178.7	182.3	182.3
20°	279.4	271.7	251.3	221.3	197.3	188.3	184.7	190.7	200.9	205.1	203.9
22.5°	337.6	328.6	299.8	254.3	224.3	208.1	203.3	209.9	222.5	227.9	227.3
25°	414.4	405.4	358.6	295.6	250.7	225.5	222.5	232.1	250.7	261.5	260.3
27.5°	503.7	488.7	426.4	341.8	276.5	239.9	240.5	256.7	275.9	287.8	286.6
30°	599.1	579.9	494.7	386.2	300.4	256.1	254.9	274.1	293.8	306.4	306.4
32.5°	725.0	696.8	573.9	428.8	319.0	268.7	264.5	286.0	306.4	319.6	319.0
35°	859.9	822.2	656.6	473.7	334.6	275.3	270.5	292.6	313.6	329.2	329.2
37.5°	1014.7	950.5	734.0	504.9	345.4	278.9	272.3	297.4	323.2	339.4	338.2
40°	1096.2	1024.3	771.2	518.7	347.2	279.4	275.3	301.6	323.2	329.2	326.2
42.5°	1187.4	1094.4	786.8	501.9	340.6	278.3	277.1	297.4	307.0	305.2	303.4
45°	1302.5	1177.2	801.8	480.9	325.0	276.5	274.1	286.0	286.6	279.4	277.1
47.5°	1449.4	1291.1	826.4	455.8	309.4	272.3	269.3	274.7	264.5	251.3	247.1
50°	1607.1	1423.0	856.9	434.2	295.0	266.9	263.9	262.1	251.9	238.7	236.3
52.5°	1744.5	1512.4	865.3	411.4	285.4	263.3	259.7	257.9	248.3	233.3	230.3
55°	1867.4	1588.5	836.0	377.2	277.7	260.9	259.7	259.7	249.5	233.9	230.9
57.5°	2110.3	1770.8	846.7	342.4	267.5	260.3	262.1	262.7	253.1	238.1	235.1
60°	2117.5	1736.1	783.8	317.8	258.5	260.3	264.5	265.7	259.1	248.9	247.1
62.5°	2186.4	1737.3	699.2	286.0	252.5	259.1	266.3	270.5	271.1	265.1	263.9
65°	2211.6	1712.1	638.1	260.9	244.1	256.1	266.9	277.1	280.6	277.7	276.5
67.5°	2115.1	1596.3	554.7	244.1	235.7	251.3	266.3	278.9	286.6	288.4	288.4
70°	1987.9	1466.2	480.3	227.9	226.7	244.7	262.1	278.9	289.6	294.4	294.4
72.5°	1665.3	1204.2	396.4	211.1	214.7	234.5	253.1	273.5	285.4	289.6	287.8
75°	1393.1	991.3	326.2	196.7	202.7	221.9	240.5	260.3	268.7	271.1	269.3
77.5°	1178.4	824.6	268.1	183.5	188.3	205.7	222.5	236.3	241.7	240.5	237.5
80°	949.9	643.5	220.1	167.3	172.1	185.9	197.9	208.7	214.1	211.1	209.3
82.5°	756.2	511.5	187.7	152.9	154.7	166.1	174.5	182.9	191.9	189.5	184.7
85°	559.5	376.6	159.5	137.3	137.3	145.7	149.9	157.7	170.3	169.7	167.9
87.5°	382.6	268.1	135.5	121.7	121.1	125.9	128.3	136.7	152.9	153.5	151.7
90°	251.9	183.5	113.3	105.5	104.3	107.9	109.7	116.9	130.1	131.3	128.9
92.5°	163.7	127.1	93.0	89.4	88.8	91.8	91.2	95.9	104.9	104.3	102.5
95°	104.9	88.8	75.6	73.8	72.0	75.6	74.4	75.6	80.4	79.2	79.2
97.5°	72.6	67.8	62.4	59.4	58.2	61.8	60.6	60.6	63.0	60.6	59.4
100°	55.8	54.0	51.6	49.2	46.8	49.8	49.8	49.8	51.6	48.0	46.8
102.5°	43.2	42.6	42.6	40.8	39.0	41.4	42.0	42.6	42.0	38.4	37.8
105°	34.2	34.2	35.4	33.6	33.0	34.8	35.4	34.8	34.8	31.8	31.8
107.5°	27.0	28.2	29.4	28.2	28.2	29.4	29.4	29.4	28.2	26.4	27.0
110°	22.2	23.4	25.2	24.0	24.0	25.2	24.6	24.0	23.4	22.8	22.8



REPORT NUMBER: P416094

CATALOG NUMBER: LXF.LXT-PA1-60-827-U-T3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	19.2	19.8	21.0	20.4	21.0	21.6	21.0	19.8	19.8	19.8	20.4
115°	16.2	17.4	18.6	18.0	18.0	18.6	17.4	16.8	16.8	17.4	17.4
117.5°	14.4	15.6	16.2	16.2	15.6	16.2	15.0	14.4	15.0	15.6	15.6
120°	13.2	13.8	14.4	14.4	13.8	13.8	13.2	12.6	13.2	13.8	14.4
122.5°	12.0	12.6	12.6	13.2	12.6	12.0	11.4	11.4	12.0	12.6	12.6
125°	10.8	11.4	11.4	11.4	11.4	10.8	10.2	10.2	10.8	11.4	12.0
127.5°	9.6	10.2	10.2	10.8	10.2	9.6	9.0	9.6	10.2	10.8	10.8
130°	9.6	9.6	9.6	9.6	9.0	8.4	8.4	8.4	9.6	10.2	10.2
132.5°	9.0	9.6	9.0	9.0	8.4	7.2	7.2	7.8	9.0	9.6	9.6
135°	8.4	8.4	7.8	7.8	7.2	6.6	6.0	7.2	7.8	8.4	8.4
137.5°	7.2	7.2	6.6	6.0	6.0	5.4	5.4	6.0	7.2	7.8	7.8
140°	5.4	6.0	5.4	4.8	4.8	4.2	4.8	5.4	6.6	6.6	6.6
142.5°	4.2	4.8	4.2	3.6	3.6	3.6	3.6	4.8	6.0	6.0	6.0
145°	3.6	3.6	3.6	3.0	2.4	2.4	3.0	4.2	5.4	5.4	5.4
147.5°	3.0	3.0	3.0	2.4	1.8	1.8	2.4	3.6	4.2	4.2	4.2
150°	2.4	2.4	2.4	2.4	1.8	1.2	1.8	3.0	3.6	3.6	3.6
152.5°	2.4	2.4	2.4	1.8	1.2	0.6	1.2	2.4	3.0	3.0	3.0
155°	1.8	1.8	1.8	1.8	1.2	0.6	0.6	1.8	2.4	2.4	2.4
157.5°	1.8	1.8	1.8	1.2	0.6	0.0	0.6	1.8	2.4	1.8	1.8
160°	1.2	1.2	1.2	1.2	0.6	0.0	0.6	1.2	1.8	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)