

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: P416510

Luminaire Tested: **LXF.LXT-PA1-70-827-U-T3-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416510
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-PA1-70-827-U-T3-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 930mA 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: 5851 lumens
Efficiency: N/A
Efficacy: 79.1 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 - G3

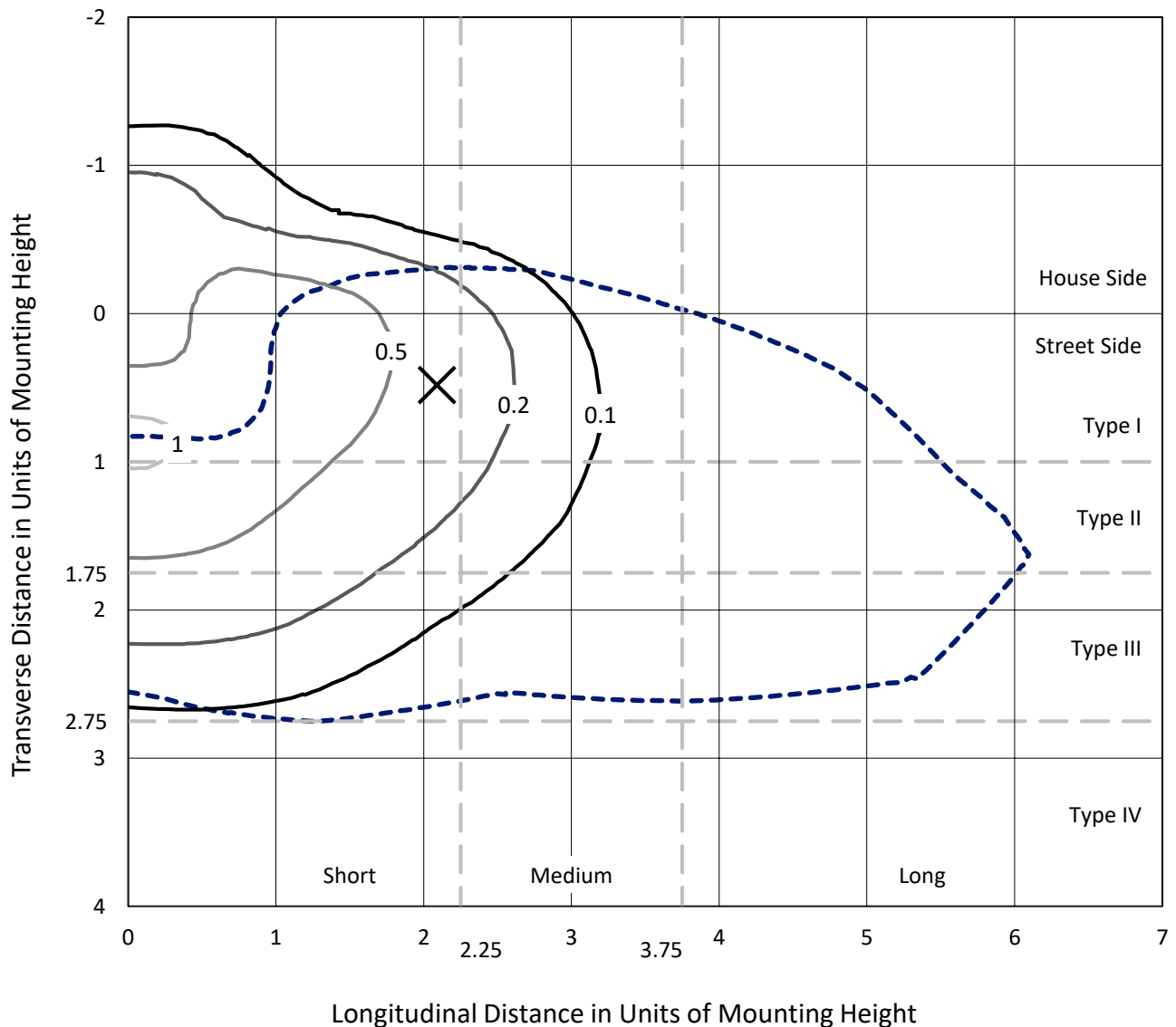
Input Watts (W): 74
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

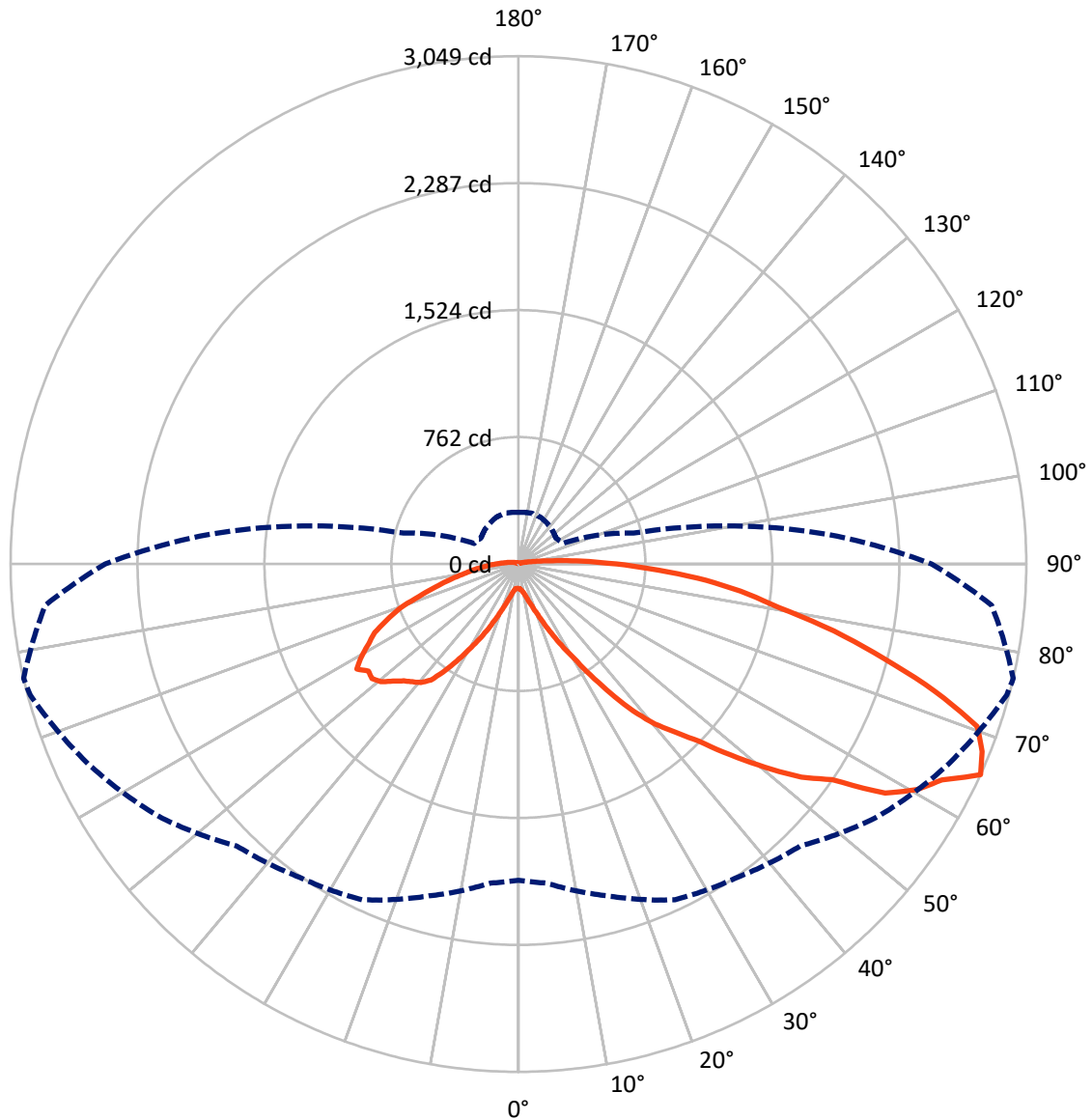
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 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	1289.3	91.7	1381.0
	% Fixture	22.0	1.6	23.6
Street Side	Lumens	4355.4	114.6	4470.0
	% Fixture	74.4	2.0	76.4
Total	Lumens	5644.7	206.3	5851.0
	% Fixture	96.5	3.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.1	0.3
10°-20°	64.1	1.1
20°-30°	187.8	3.2
30°-40°	449.5	7.7
40°-50°	809.5	13.8
50°-60°	1231.3	21.0
60°-70°	1452.5	24.8
70°-80°	1000.9	17.1
80°-90°	434.0	7.4
90°-100°	126.7	2.2
100°-110°	39.7	0.7
110°-120°	18.5	0.3
120°-130°	10.9	0.2
130°-140°	6.7	0.1
140°-150°	2.9	0.0
150°-160°	0.9	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	5644.7	96.5
0°-180°	5851.0	100.0



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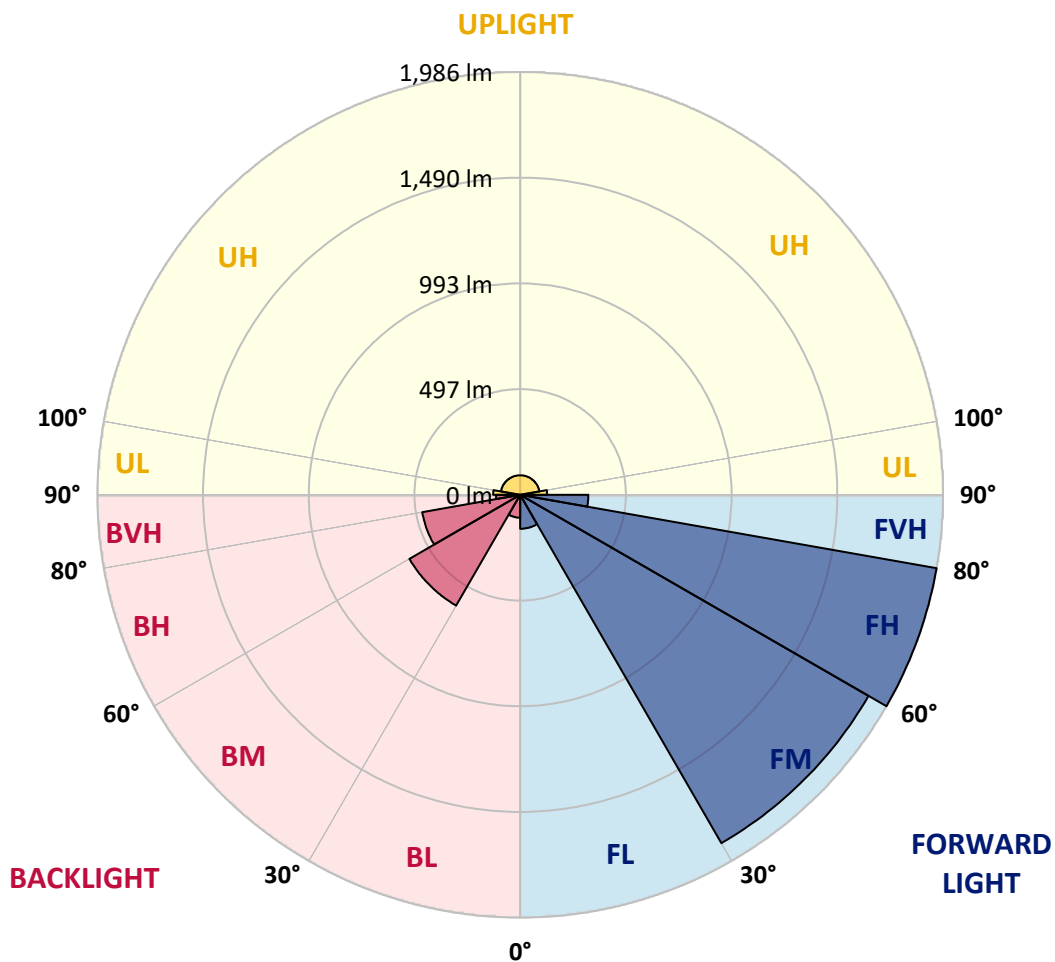
CATALOG NUMBER: LXF.LXT-PA1-70-827-U-T3-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	159.5	2.7			
FM	(30°-60°)	1889.5	32.3			
FH	(60°-80°)	1986.3	33.9			G2/5000
FVH	(80°-90°)	320.2	5.5			G3/500
BL	(0°-30°)	107.5	1.8	B0/110		
BM	(30°-60°)	600.9	10.3	B1/1000		
BH	(60°-80°)	467.1	8.0	B1/500		G1/500
BVH	(80°-90°)	113.8	1.9			G2/225
UL	(90°-100°)	126.7	2.2		U3/500	
UH	(100°-180°)	91.7	1.6		U3/500	

BUG Rating: B1-U3-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	147.3	147.3	147.3	147.3	147.3	147.3	147.3	147.3	147.3	147.3	147.3
2.5°	158.1	157.4	157.4	158.1	156.7	155.4	153.3	151.3	149.3	149.3	148.0
5°	170.8	170.2	170.2	170.2	167.5	165.4	160.7	158.1	155.4	154.0	152.0
7.5°	187.6	185.6	186.3	185.6	181.6	177.6	172.8	167.5	164.1	163.4	159.4
10°	209.8	208.5	207.1	204.5	200.4	193.7	187.0	182.3	177.6	176.9	172.2
12.5°	241.4	240.1	237.4	231.4	222.6	214.5	207.8	202.4	199.7	198.4	193.7
15°	279.8	275.7	274.4	265.0	252.9	243.5	236.1	232.7	230.0	230.0	224.0
17.5°	324.8	324.8	318.1	305.3	289.9	278.4	271.0	265.0	267.0	266.3	263.0
20°	380.7	379.3	369.2	352.4	333.6	322.8	313.4	310.0	312.7	315.4	315.4
22.5°	461.4	458.0	442.5	417.0	389.4	371.9	365.2	364.5	375.3	378.6	382.7
25°	552.2	547.5	528.0	497.0	462.7	435.8	426.4	433.8	453.3	460.7	468.8
27.5°	661.8	659.1	629.5	587.1	546.1	511.1	500.4	523.2	549.5	552.2	568.3
30°	803.0	804.4	764.0	702.8	632.9	596.6	584.4	612.0	651.0	653.7	686.0
32.5°	966.5	966.5	905.9	831.9	741.8	690.7	679.3	723.7	784.9	794.3	825.2
35°	1175.0	1162.8	1085.5	979.2	866.3	790.3	788.9	858.2	942.2	951.7	985.3
37.5°	1361.9	1369.3	1290.6	1152.1	999.4	912.0	923.4	1011.5	1117.8	1120.5	1156.8
40°	1564.4	1572.4	1479.6	1335.0	1147.4	1049.2	1072.1	1154.1	1259.7	1261.7	1274.5
42.5°	1723.1	1743.9	1657.2	1506.5	1316.9	1205.2	1210.6	1287.3	1368.6	1378.7	1387.5
45°	1817.9	1833.4	1785.6	1665.2	1466.2	1361.3	1348.5	1411.0	1517.3	1514.6	1527.4
47.5°	1967.2	1985.4	1912.1	1802.4	1634.3	1504.5	1488.4	1569.7	1700.2	1713.7	1701.6
50°	2121.9	2146.1	2093.0	1965.2	1791.7	1665.2	1667.3	1760.1	1912.1	1916.8	1924.2
52.5°	2230.2	2247.7	2226.8	2138.1	1953.8	1838.8	1856.9	1967.9	2117.2	2125.9	2096.4
55°	2247.0	2273.9	2290.7	2270.5	2131.3	2017.7	2064.1	2175.0	2275.9	2283.3	2260.5
57.5°	2241.6	2263.8	2299.5	2314.9	2245.0	2201.9	2261.8	2375.5	2569.8	2594.7	2583.3
60°	2235.6	2251.7	2325.7	2348.6	2308.9	2343.2	2438.7	2641.1	2748.1	2750.1	2645.8
62.5°	2067.4	2094.3	2233.6	2348.6	2337.8	2403.0	2612.2	2752.8	2837.5	2853.0	2753.4
65°	1898.6	1922.2	2062.1	2223.5	2294.8	2392.9	2639.1	2846.3	3034.6	3048.7	2851.6
67.5°	1654.5	1691.5	1844.1	2038.5	2125.9	2282.6	2568.5	2879.2	2996.2	3002.3	2777.0
70°	1347.8	1398.2	1570.4	1775.5	1880.5	2039.2	2410.4	2761.5	2924.9	2921.6	2653.2
72.5°	971.2	1016.2	1173.6	1417.1	1581.2	1754.7	2121.2	2527.5	2620.3	2616.9	2257.1
75°	659.8	684.0	802.4	1025.0	1261.0	1464.8	1827.3	2192.5	2271.2	2265.2	1933.6
77.5°	432.5	460.0	536.7	727.0	947.0	1181.7	1534.1	1835.4	1959.2	1937.0	1639.0
80°	265.0	280.5	343.7	491.0	717.6	953.7	1268.4	1552.9	1616.8	1584.5	1338.4
82.5°	165.4	177.6	222.6	324.2	515.2	736.4	1040.4	1307.4	1378.7	1342.4	1101.0
85°	101.6	107.6	138.5	213.2	349.7	541.4	836.7	1060.6	1104.3	1078.1	829.9
87.5°	74.0	75.3	94.8	143.9	236.1	387.4	616.1	799.0	830.6	782.2	581.8
90°	54.5	57.2	69.9	101.6	164.1	263.0	424.4	562.3	570.3	540.7	388.7
92.5°	41.0	42.4	52.5	72.0	113.0	179.6	283.1	376.6	369.2	348.4	241.4
95°	29.6	30.3	37.7	51.1	79.4	120.4	180.2	236.1	212.5	203.8	146.6
97.5°	24.2	24.9	30.3	39.7	58.5	84.7	116.4	140.6	125.1	119.7	94.2
100°	20.8	20.8	25.6	33.0	45.7	63.2	77.3	88.1	80.7	78.0	66.6
102.5°	18.8	18.8	22.2	27.6	37.7	49.8	57.2	60.5	56.5	54.5	49.1
105°	16.8	16.8	19.5	23.5	31.6	40.4	43.7	44.4	40.4	39.7	37.7
107.5°	15.5	15.5	17.5	20.8	26.9	33.6	35.0	33.0	30.9	29.6	29.6
110°	13.5	14.1	15.5	18.2	23.5	28.2	28.2	25.6	22.9	22.9	23.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	12.8	12.8	14.1	16.8	20.8	24.2	22.9	20.2	18.2	18.2	19.5
115°	11.4	11.4	12.8	15.5	18.8	20.8	19.5	16.8	14.8	15.5	16.8
117.5°	10.8	10.8	12.1	14.1	16.8	18.2	16.8	14.1	12.8	13.5	15.5
120°	10.8	10.8	12.1	13.5	15.5	16.1	14.8	12.1	11.4	11.4	13.5
122.5°	10.8	10.8	11.4	13.5	14.8	14.8	12.8	10.8	10.1	10.1	12.1
125°	10.8	10.8	12.1	13.5	13.5	13.5	11.4	9.4	8.7	9.4	10.8
127.5°	11.4	11.4	12.1	12.8	12.8	12.1	10.1	8.7	8.1	8.7	10.1
130°	11.4	11.4	12.1	12.8	12.1	10.8	9.4	8.1	8.1	8.1	10.1
132.5°	11.4	11.4	12.1	12.1	11.4	9.4	8.1	6.7	7.4	8.1	9.4
135°	10.8	10.8	10.8	10.8	10.1	8.7	6.7	6.1	6.7	7.4	8.7
137.5°	10.1	10.1	10.1	10.1	8.7	7.4	5.4	4.7	6.1	6.1	7.4
140°	8.7	8.7	9.4	8.7	8.1	6.1	4.7	3.4	4.7	4.7	6.1
142.5°	8.1	8.1	8.1	8.1	6.7	5.4	3.4	3.4	4.0	4.0	4.7
145°	6.7	6.7	7.4	6.7	5.4	4.0	2.7	2.7	3.4	3.4	4.0
147.5°	5.4	6.1	6.1	5.4	4.7	3.4	2.0	2.0	2.7	2.7	3.4
150°	4.7	4.7	4.7	4.7	3.4	2.0	1.3	2.0	2.7	2.7	2.7
152.5°	3.4	3.4	4.0	4.0	2.7	1.3	1.3	2.0	2.0	2.0	2.7
155°	2.7	2.7	3.4	2.7	2.0	0.7	1.3	1.3	2.0	2.0	2.0
157.5°	1.3	1.3	2.0	2.0	1.3	0.7	0.7	1.3	1.3	1.3	2.0
160°	0.7	0.7	2.0	2.0	1.3	0.7	0.7	0.7	1.3	1.3	1.3
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°	147.3	147.3	147.3	147.3	147.3	147.3	147.3	147.3	147.3	147.3	147.3
2.5°	147.3	145.9	145.3	143.9	142.6	141.2	141.2	141.2	140.6	139.9	140.6
5°	150.0	149.3	145.9	143.3	140.6	139.2	137.9	137.2	137.2	135.9	135.9
7.5°	157.4	154.7	150.0	145.3	142.6	139.9	137.9	137.2	136.5	135.2	135.2
10°	168.8	165.4	160.1	152.7	148.0	143.3	141.2	141.2	140.6	139.9	139.9
12.5°	190.3	186.3	176.9	166.8	157.4	150.7	149.3	151.3	155.4	156.0	156.0
15°	221.9	217.2	205.1	189.0	174.2	164.8	166.1	171.5	176.9	178.9	178.9
17.5°	261.0	255.6	238.1	214.5	195.0	186.3	185.6	193.0	200.4	204.5	204.5
20°	313.4	304.7	281.8	248.2	221.3	211.2	207.1	213.9	225.3	230.0	228.7
22.5°	378.6	368.6	336.3	285.2	251.5	233.4	228.0	235.4	249.5	255.6	254.9
25°	464.7	454.6	402.2	331.6	281.1	252.9	249.5	260.3	281.1	293.2	291.9
27.5°	564.9	548.1	478.2	383.4	310.0	269.0	269.7	287.9	309.4	322.8	321.5
30°	671.9	650.4	554.9	433.1	336.9	287.2	285.8	307.4	329.6	343.7	343.7
32.5°	813.1	781.5	643.6	480.9	357.8	301.3	296.6	320.8	343.7	358.5	357.8
35°	964.4	922.1	736.4	531.3	375.3	308.7	303.3	328.2	351.7	369.2	369.2
37.5°	1138.0	1066.0	823.2	566.3	387.4	312.7	305.3	333.6	362.5	380.7	379.3
40°	1229.4	1148.7	864.9	581.8	389.4	313.4	308.7	338.3	362.5	369.2	365.9
42.5°	1331.7	1227.4	882.4	562.9	382.0	312.1	310.7	333.6	344.3	342.3	340.3
45°	1460.8	1320.2	899.2	539.4	364.5	310.0	307.4	320.8	321.5	313.4	310.7
47.5°	1625.6	1448.0	926.8	511.1	347.0	305.3	302.0	308.0	296.6	281.8	277.1
50°	1802.4	1596.0	961.1	486.9	330.9	299.3	295.9	293.9	282.5	267.7	265.0
52.5°	1956.5	1696.2	970.5	461.4	320.1	295.3	291.2	289.2	278.4	261.6	258.3
55°	2094.3	1781.6	937.5	423.0	311.4	292.6	291.2	291.2	279.8	262.3	258.9
57.5°	2366.7	1986.1	949.6	384.0	300.0	291.9	293.9	294.6	283.8	267.0	263.6
60°	2374.8	1947.0	879.0	356.5	289.9	291.9	296.6	297.9	290.5	279.1	277.1
62.5°	2452.1	1948.4	784.2	320.8	283.1	290.5	298.6	303.3	304.0	297.3	295.9
65°	2480.4	1920.1	715.6	292.6	273.7	287.2	299.3	310.7	314.8	311.4	310.0
67.5°	2372.1	1790.3	622.1	273.7	264.3	281.8	298.6	312.7	321.5	323.5	323.5
70°	2229.5	1644.4	538.7	255.6	254.2	274.4	293.9	312.7	324.8	330.2	330.2
72.5°	1867.7	1350.5	444.6	236.7	240.8	263.0	283.8	306.7	320.1	324.8	322.8
75°	1562.3	1111.7	365.9	220.6	227.3	248.8	269.7	291.9	301.3	304.0	302.0
77.5°	1321.6	924.8	300.6	205.8	211.2	230.7	249.5	265.0	271.0	269.7	266.3
80°	1065.3	721.7	246.8	187.6	193.0	208.5	221.9	234.0	240.1	236.7	234.7
82.5°	848.1	573.7	210.5	171.5	173.5	186.3	195.7	205.1	215.2	212.5	207.1
85°	627.5	422.4	178.9	154.0	154.0	163.4	168.1	176.9	191.0	190.3	188.3
87.5°	429.1	300.6	152.0	136.5	135.9	141.2	143.9	153.3	171.5	172.2	170.2
90°	282.5	205.8	127.1	118.4	117.0	121.1	123.1	131.1	145.9	147.3	144.6
92.5°	183.6	142.6	104.2	100.2	99.5	102.9	102.2	107.6	117.7	117.0	115.0
95°	117.7	99.5	84.7	82.7	80.7	84.7	83.4	84.7	90.1	88.8	88.8
97.5°	81.4	76.0	69.9	66.6	65.2	69.3	67.9	67.9	70.6	67.9	66.6
100°	62.5	60.5	57.8	55.1	52.5	55.8	55.8	55.8	57.8	53.8	52.5
102.5°	48.4	47.8	47.8	45.7	43.7	46.4	47.1	47.8	47.1	43.0	42.4
105°	38.3	38.3	39.7	37.7	37.0	39.0	39.7	39.0	39.0	35.6	35.6
107.5°	30.3	31.6	33.0	31.6	31.6	33.0	33.0	33.0	31.6	29.6	30.3
110°	24.9	26.2	28.2	26.9	26.9	28.2	27.6	26.9	26.2	25.6	25.6



REPORT NUMBER: P416510

CATALOG NUMBER: LXF.LXT-PA1-70-827-U-T3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	21.5	22.2	23.5	22.9	23.5	24.2	23.5	22.2	22.2	22.2	22.9
115°	18.2	19.5	20.8	20.2	20.2	20.8	19.5	18.8	18.8	19.5	19.5
117.5°	16.1	17.5	18.2	18.2	17.5	18.2	16.8	16.1	16.8	17.5	17.5
120°	14.8	15.5	16.1	16.1	15.5	15.5	14.8	14.1	14.8	15.5	16.1
122.5°	13.5	14.1	14.1	14.8	14.1	13.5	12.8	12.8	13.5	14.1	14.1
125°	12.1	12.8	12.8	12.8	12.8	12.1	11.4	11.4	12.1	12.8	13.5
127.5°	10.8	11.4	11.4	12.1	11.4	10.8	10.1	10.8	11.4	12.1	12.1
130°	10.8	10.8	10.8	10.8	10.1	9.4	9.4	9.4	10.8	11.4	11.4
132.5°	10.1	10.8	10.1	10.1	9.4	8.1	8.1	8.7	10.1	10.8	10.8
135°	9.4	9.4	8.7	8.7	8.1	7.4	6.7	8.1	8.7	9.4	9.4
137.5°	8.1	8.1	7.4	6.7	6.7	6.1	6.1	6.7	8.1	8.7	8.7
140°	6.1	6.7	6.1	5.4	5.4	4.7	5.4	6.1	7.4	7.4	7.4
142.5°	4.7	5.4	4.7	4.0	4.0	4.0	4.0	5.4	6.7	6.7	6.7
145°	4.0	4.0	4.0	3.4	2.7	2.7	3.4	4.7	6.1	6.1	6.1
147.5°	3.4	3.4	3.4	2.7	2.0	2.0	2.7	4.0	4.7	4.7	4.7
150°	2.7	2.7	2.7	2.7	2.0	1.3	2.0	3.4	4.0	4.0	4.0
152.5°	2.7	2.7	2.7	2.0	1.3	0.7	1.3	2.7	3.4	3.4	3.4
155°	2.0	2.0	2.0	2.0	1.3	0.7	0.7	2.0	2.7	2.7	2.7
157.5°	2.0	2.0	2.0	1.3	0.7	0.0	0.7	2.0	2.7	2.0	2.0
160°	1.3	1.3	1.3	1.3	0.7	0.0	0.7	1.3	2.0	1.3	1.3
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)