

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: P416095

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

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416095
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-PA1-60-827-U-T3-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 800mA 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: 5410 lumens
Efficiency: N/A
Efficacy: 84.5 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

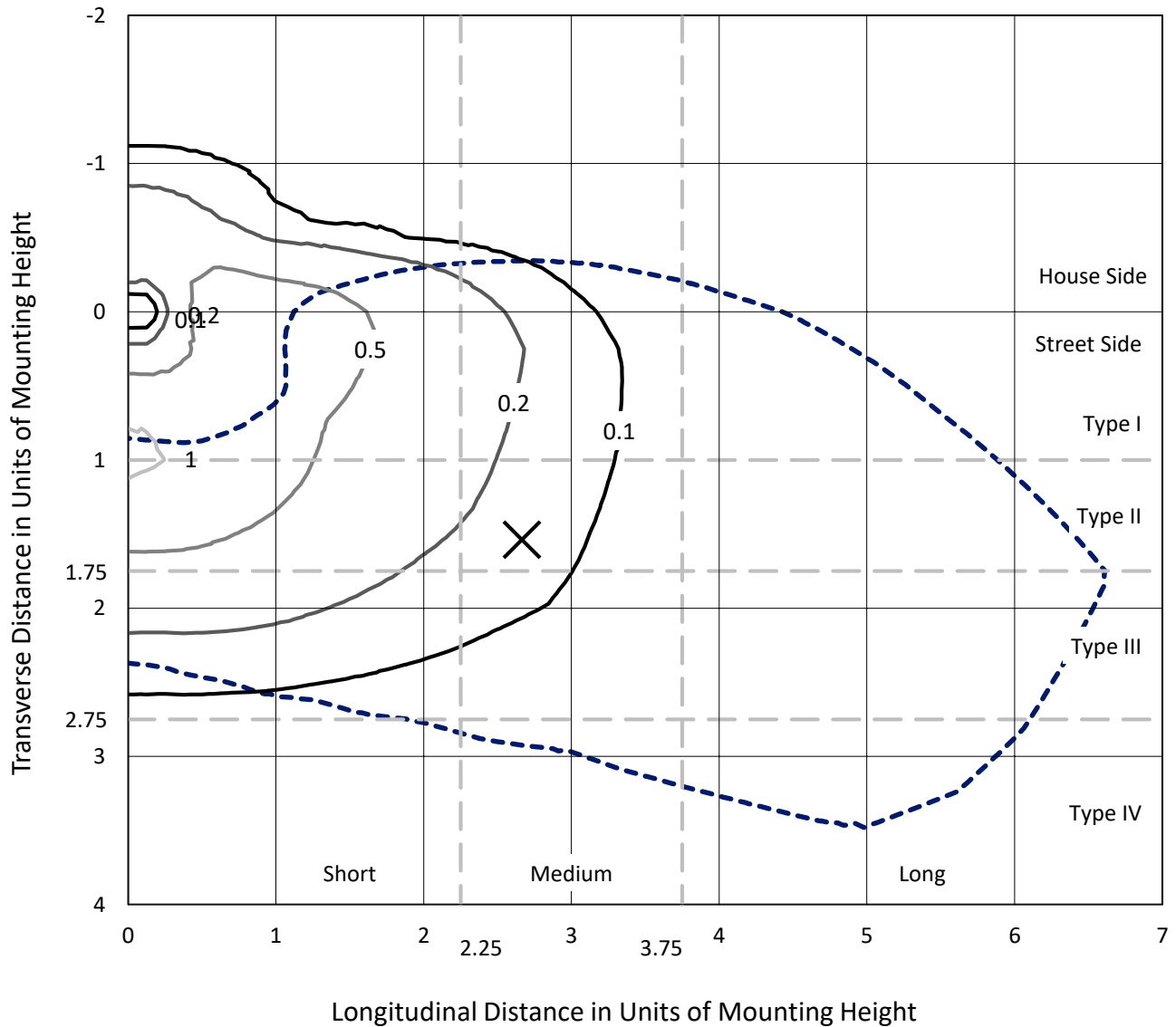
Input Watts (W): 64
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

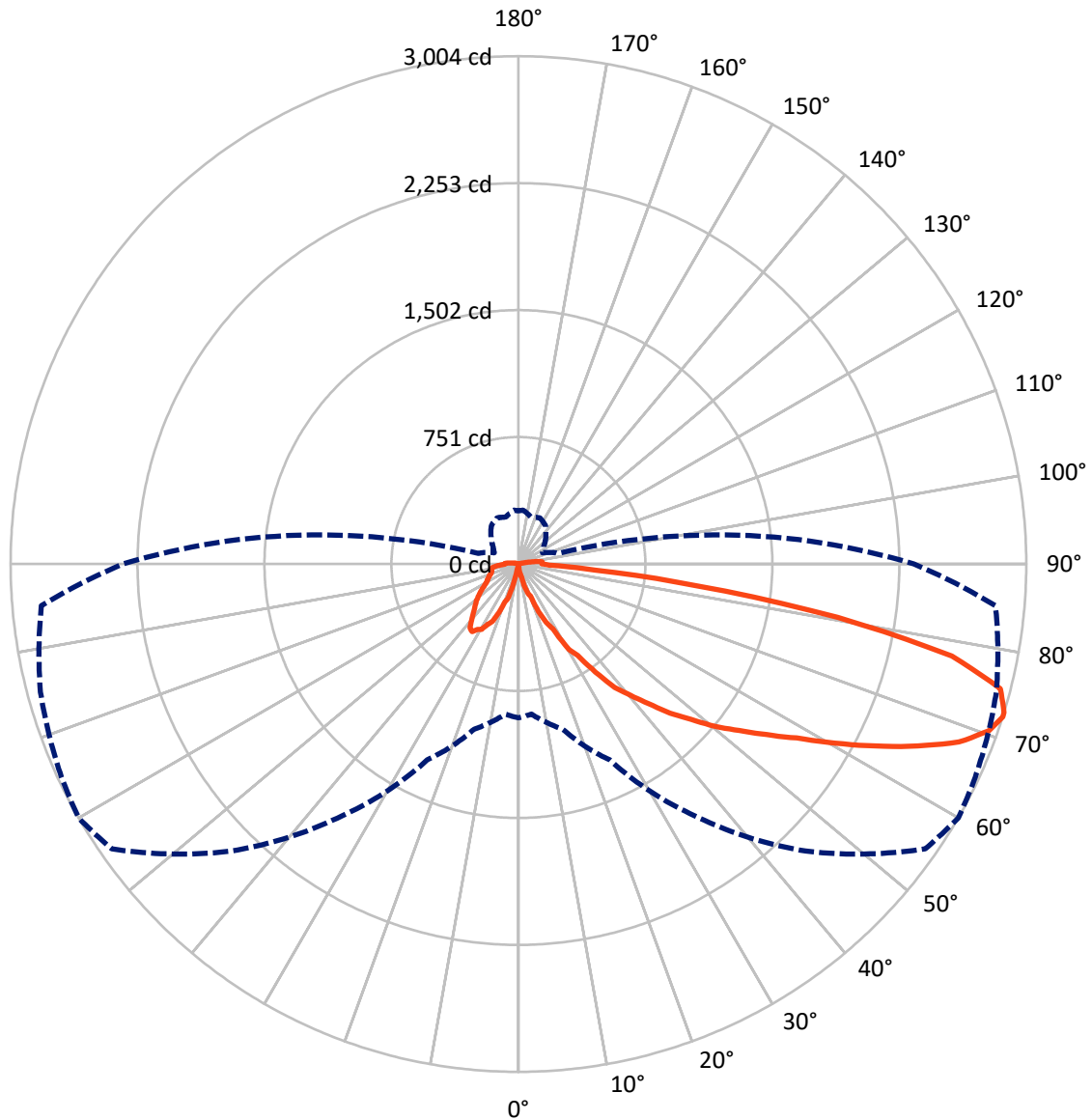
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type 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	1182.4	57.7	1240.1
	% Fixture	21.9	1.1	22.9
Street Side	Lumens	4119.3	50.7	4169.9
	% Fixture	76.1	0.9	77.1
Total	Lumens	5301.6	108.4	5410.0
	% Fixture	98.0	2.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.9	0.1
10°-20°	44.2	0.8
20°-30°	184.5	3.4
30°-40°	426.1	7.9
40°-50°	748.2	13.8
50°-60°	1130.8	20.9
60°-70°	1394.3	25.8
70°-80°	1076.5	19.9
80°-90°	294.1	5.4
90°-100°	79.9	1.5
100°-110°	13.8	0.3
110°-120°	5.3	0.1
120°-130°	3.8	0.1
130°-140°	2.5	0.0
140°-150°	2.0	0.0
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5301.6	98.0
0°-180°	5410.0	100.0



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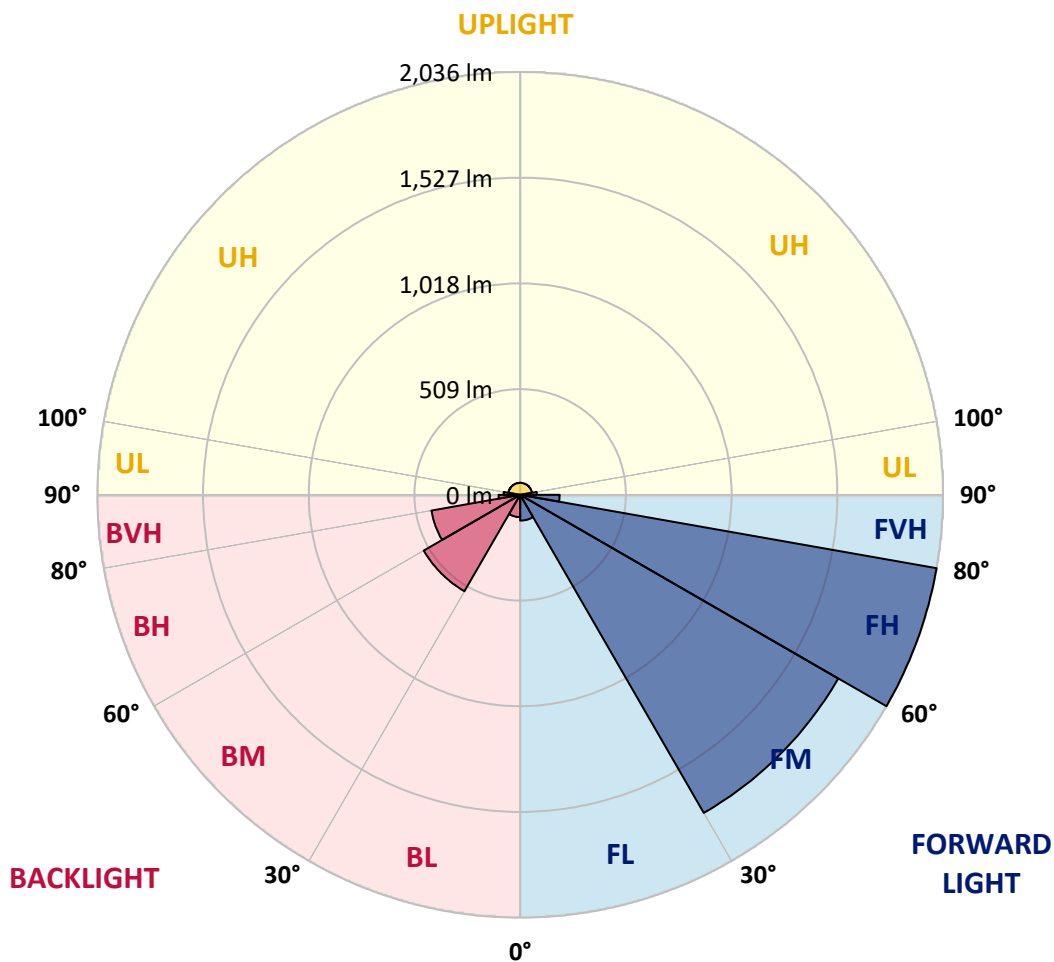
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	124.2	2.3			
FM	(30°-60°)	1768.8	32.7			
FH	(60°-80°)	2036.3	37.6			G2/5000
FVH	(80°-90°)	189.9	3.5			G2/225
BL	(0°-30°)	107.5	2.0	B0/110		
BM	(30°-60°)	536.3	9.9	B1/1000		
BH	(60°-80°)	434.5	8.0	B1/500		G1/500
BVH	(80°-90°)	104.2	1.9			G2/225
UL	(90°-100°)	79.9	1.5		U3/500	
UH	(100°-180°)	57.7	1.1		U3/500	

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°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
2.5°	7.2	6.6	6.0	6.0	6.6	6.0	5.4	4.8	4.2	4.2	3.6
5°	67.2	65.4	64.8	52.2	24.0	18.6	8.4	6.6	5.4	4.2	3.6
7.5°	74.4	73.8	73.2	73.2	72.0	68.4	39.0	19.2	10.8	5.4	4.8
10°	85.2	84.0	80.4	78.6	76.8	75.6	70.2	66.6	30.0	9.0	7.8
12.5°	151.7	149.3	145.7	108.0	92.4	81.6	79.8	76.8	66.6	27.6	55.8
15°	163.1	162.5	160.1	158.3	153.5	102.0	123.5	140.9	159.5	130.1	145.1
17.5°	205.1	199.1	183.5	174.5	171.5	187.1	178.7	181.7	181.7	175.1	166.1
20°	306.5	302.3	294.5	259.7	195.5	241.1	236.3	200.9	206.9	256.1	297.5
22.5°	369.4	365.2	349.0	326.9	322.7	268.1	278.9	304.7	311.9	359.2	358.6
25°	501.4	493.6	458.8	393.4	401.8	346.0	389.2	383.2	364.6	395.8	406.6
27.5°	612.3	605.7	588.9	555.9	466.0	484.0	442.6	434.8	484.6	572.1	570.3
30°	734.7	698.7	653.7	643.5	576.9	548.7	559.5	585.3	603.9	612.3	633.3
32.5°	891.2	887.0	853.4	720.9	699.9	627.3	678.9	643.5	657.9	779.0	851.0
35°	999.7	1010.5	951.2	872.0	772.4	770.6	749.1	784.4	853.4	870.2	920.0
37.5°	1252.8	1255.8	1202.5	976.4	911.6	849.2	916.4	926.0	945.2	974.0	1015.9
40°	1443.5	1416.6	1350.6	1182.7	1041.7	974.0	1021.9	1020.7	1062.7	1115.5	1141.9
42.5°	1678.6	1648.6	1530.5	1340.4	1208.4	1133.5	1138.3	1128.1	1162.9	1246.2	1262.4
45°	1875.9	1862.8	1771.6	1571.3	1392.6	1302.6	1270.2	1257.6	1275.0	1380.0	1389.0
47.5°	2062.5	2027.1	1967.7	1765.0	1660.0	1496.3	1403.4	1373.4	1378.8	1498.1	1524.5
50°	2259.8	2200.4	2127.2	1949.1	1872.9	1739.8	1556.3	1509.5	1511.3	1621.7	1666.6
52.5°	2376.7	2282.6	2235.2	2087.6	2010.9	1944.3	1716.4	1635.5	1643.9	1748.2	1816.6
55°	2304.1	2276.0	2277.2	2189.0	2132.0	2054.1	1871.7	1781.2	1790.8	1913.1	1998.9
57.5°	2181.8	2203.4	2279.6	2276.0	2244.2	2168.0	2026.5	1941.9	1997.1	2099.6	2190.2
60°	2087.6	2112.2	2235.8	2299.4	2358.7	2303.0	2186.6	2150.0	2201.6	2291.0	2399.5
62.5°	1930.5	1950.3	2120.0	2288.0	2355.7	2418.1	2338.9	2371.9	2419.3	2494.9	2626.8
65°	1715.8	1711.0	1922.1	2183.6	2335.9	2482.3	2535.0	2595.6	2638.8	2719.8	2839.7
67.5°	1462.1	1486.1	1663.6	1958.7	2258.6	2514.7	2700.0	2810.9	2837.9	2869.1	2955.5
70°	1194.1	1192.9	1348.2	1661.8	2092.4	2496.7	2856.5	2952.5	2953.1	2934.5	2960.3
72°	910.4	891.2	1011.1	1278.6	1817.2	2400.1	2936.9	3004.0	2981.8	2926.7	2832.5
72.5°	781.4	798.8	911.6	1204.3	1693.6	2352.1	2945.3	3003.4	2979.4	2918.9	2794.1
75°	396.4	371.2	435.4	645.3	1168.3	1900.5	2884.7	2944.7	2877.5	2801.9	2449.9
77.5°	155.3	159.5	184.7	278.9	568.5	1251.6	2490.1	2620.8	2577.6	2524.2	1932.3
80°	109.2	109.2	123.5	158.9	291.5	508.6	1725.4	1915.5	1982.1	2008.5	1292.4
82.5°	79.2	80.4	94.2	110.9	208.1	244.1	847.4	1064.5	1169.5	1267.8	722.7
85°	73.8	73.8	75.6	74.4	148.7	173.9	308.3	454.6	525.4	615.9	292.1
87.5°	34.8	37.8	55.8	44.4	73.2	107.4	167.9	182.3	186.5	211.7	209.9
90°	22.8	22.8	18.6	19.2	36.0	87.0	134.9	137.9	132.5	155.3	195.5
92.5°	23.4	24.0	17.4	18.0	28.2	79.8	138.5	140.9	136.7	163.1	207.5
95°	21.6	21.6	15.0	15.6	22.2	61.2	138.5	140.9	128.9	162.5	207.5
97.5°	18.0	18.6	12.0	12.6	17.4	30.0	96.0	103.2	82.2	82.8	101.4
100°	15.6	15.6	9.6	10.2	12.6	13.8	48.6	51.0	45.6	20.4	13.8
102.5°	15.6	15.6	8.4	8.4	8.4	7.8	15.0	25.2	21.0	12.0	13.2
105°	15.0	15.6	7.8	6.6	6.6	6.0	7.8	9.6	9.6	9.6	13.8
107.5°	12.0	12.6	6.0	6.0	5.4	5.4	4.2	4.2	6.0	9.0	15.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	9.6	9.6	4.8	5.4	4.2	4.8	3.6	3.6	5.4	6.6	11.4
112.5°	5.4	5.4	3.6	4.2	3.6	4.2	3.6	3.6	4.2	5.4	7.2
115°	4.8	4.8	3.0	3.0	3.0	3.0	3.0	3.0	3.6	4.8	7.8
117.5°	4.8	4.8	3.0	3.0	3.0	2.4	2.4	3.0	3.0	4.8	7.8
120°	4.8	4.8	3.0	3.0	2.4	2.4	2.4	3.0	3.0	4.8	7.8
122.5°	5.4	4.8	3.0	2.4	2.4	2.4	2.4	2.4	3.0	4.2	7.8
125°	5.4	4.8	3.6	2.4	2.4	2.4	2.4	2.4	3.0	4.2	6.6
127.5°	5.4	5.4	3.6	2.4	2.4	2.4	2.4	2.4	2.4	3.6	6.0
130°	5.4	4.8	3.6	2.4	2.4	2.4	2.4	2.4	2.4	3.6	5.4
132.5°	4.8	4.8	3.6	2.4	3.0	2.4	2.4	2.4	2.4	3.0	4.2
135°	4.2	4.2	3.0	3.0	3.0	2.4	2.4	2.4	2.4	2.4	3.6
137.5°	4.2	4.2	3.6	3.0	3.0	3.0	2.4	2.4	2.4	2.4	3.0
140°	4.2	4.2	3.6	3.6	3.6	3.0	2.4	2.4	2.4	3.0	3.0
142.5°	4.8	4.8	4.2	3.6	3.6	3.0	2.4	2.4	3.0	3.0	3.0
145°	5.4	5.4	4.8	4.2	3.6	2.4	2.4	3.0	3.0	3.0	3.6
147.5°	5.4	5.4	4.8	3.6	3.0	2.4	2.4	3.0	3.0	3.6	3.6
150°	4.8	4.8	4.2	3.0	2.4	1.8	2.4	2.4	3.0	3.6	3.6
152.5°	3.6	3.6	3.0	2.4	1.8	1.2	1.8	2.4	2.4	3.0	3.6
155°	2.4	2.4	1.8	1.2	1.2	1.2	1.8	1.8	1.8	2.4	3.0
157.5°	1.2	1.2	0.6	0.6	1.2	1.2	1.2	1.8	1.8	1.8	2.4
160°	0.6	0.6	0.6	0.6	1.2	1.2	1.2	1.8	1.8	1.8	1.8
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°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
2.5°	3.6	3.6	3.6	3.6	3.6	3.6	4.2	4.2	4.2	4.8	5.4
5°	3.6	3.6	3.6	3.6	4.2	4.8	5.4	6.0	6.6	7.2	7.2
7.5°	4.2	4.2	4.2	4.8	5.4	6.6	15.0	52.8	72.0	78.6	76.8
10°	7.8	7.8	7.2	7.2	8.4	70.2	89.4	97.2	101.4	106.2	106.2
12.5°	62.4	72.0	25.8	14.4	69.6	98.4	105.6	110.9	114.5	119.3	119.3
15°	150.5	152.9	157.1	141.5	136.7	111.5	116.3	157.7	207.5	220.7	221.9
17.5°	169.1	172.1	175.1	207.5	220.7	170.9	196.7	221.3	226.1	230.9	230.9
20°	322.7	327.5	265.7	238.1	232.7	289.7	222.5	228.5	236.9	279.5	283.7
22.5°	365.8	368.8	345.4	360.4	263.9	302.9	292.7	292.7	327.5	329.8	330.4
25°	410.2	427.0	382.6	370.6	375.4	306.5	345.4	311.9	316.7	320.3	320.9
27.5°	598.5	596.1	560.1	424.0	376.6	371.2	335.2	307.7	359.8	373.6	374.2
30°	636.3	630.3	597.9	496.6	391.0	367.6	316.1	355.6	346.0	347.8	348.4
32.5°	875.0	865.4	773.6	502.6	408.4	339.4	343.0	331.0	332.2	369.4	370.6
35°	935.0	921.8	792.8	581.1	389.2	344.2	317.3	332.2	338.2	336.4	336.4
37.5°	1015.3	990.1	786.8	546.4	404.8	322.1	303.5	313.7	310.1	332.8	331.6
40°	1102.9	1067.5	789.8	506.8	367.0	302.3	290.9	299.9	297.5	290.9	286.1
42.5°	1214.4	1153.3	789.2	473.8	332.2	295.7	274.7	274.1	263.9	253.1	249.5
45°	1328.4	1243.8	791.6	436.0	305.9	290.3	265.7	251.3	242.3	230.9	227.9
47.5°	1453.1	1340.4	798.8	406.0	285.5	274.1	254.3	236.9	230.3	215.9	214.7
50°	1600.7	1441.7	801.2	382.0	261.5	259.7	245.9	226.7	216.5	202.1	200.9
52.5°	1759.6	1549.1	805.4	346.6	242.9	254.3	250.7	224.3	220.1	201.5	200.3
55°	1910.1	1651.0	804.2	304.1	234.5	249.5	250.7	239.9	233.3	202.7	200.3
57.5°	2091.2	1761.4	786.2	264.5	221.3	242.3	262.7	253.7	246.5	221.3	216.5
60°	2253.2	1875.3	732.9	233.9	209.9	234.5	272.9	263.9	243.5	227.3	222.5
62.5°	2442.7	1973.7	658.5	211.7	205.7	236.9	276.5	270.5	245.3	239.9	238.1
65°	2571.0	2010.9	545.8	193.7	205.1	236.9	275.3	276.5	258.5	263.9	263.3
67.5°	2586.6	1962.9	413.8	179.9	197.9	236.9	273.5	288.5	270.5	292.7	293.9
70°	2511.7	1843.0	301.7	166.1	190.1	233.9	274.1	296.3	279.5	314.3	311.9
72°	2338.9	1661.2	244.1	157.1	183.5	229.1	278.3	300.5	287.3	319.7	314.3
72.5°	2294.0	1605.5	233.3	155.9	182.3	228.5	279.5	301.7	287.9	325.1	318.5
75°	1919.7	1278.6	200.3	146.9	184.1	225.5	285.5	301.1	291.5	328.7	329.8
77.5°	1454.3	861.8	177.5	139.1	183.5	220.1	283.7	296.3	286.1	316.1	322.7
80°	900.2	501.4	157.7	138.5	182.3	217.7	275.9	283.7	271.1	295.1	296.9
82.5°	492.4	293.3	136.7	136.1	176.9	211.1	260.9	269.3	257.3	283.7	265.1
85°	251.9	199.1	102.6	111.5	154.7	198.5	243.5	242.9	230.9	240.5	227.3
87.5°	194.3	156.5	66.6	80.4	126.5	163.7	200.3	198.5	182.9	184.1	178.7
90°	178.7	139.7	43.8	57.0	105.6	117.5	139.1	133.7	122.9	125.3	123.5
92.5°	179.9	137.9	42.0	60.6	101.4	105.6	127.7	121.1	110.3	111.5	108.0
95°	175.7	132.5	42.0	53.4	84.0	75.0	91.8	89.4	80.4	76.2	74.4
97.5°	84.0	66.0	39.0	39.6	47.4	40.8	55.8	60.0	48.0	38.4	38.4
100°	14.4	22.2	34.2	40.2	34.2	25.8	35.4	40.8	27.6	12.6	13.8
102.5°	14.4	13.8	26.4	34.2	24.6	13.8	20.4	27.0	17.4	9.6	10.2
105°	15.6	14.4	12.6	23.4	14.4	7.2	7.8	13.8	9.6	9.6	9.6
107.5°	16.8	15.6	9.0	9.0	7.2	6.6	6.0	5.4	6.6	9.6	10.2



REPORT NUMBER: P416095

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	12.6	12.6	8.4	7.2	6.6	6.6	4.8	4.8	6.6	10.2	10.2
112.5°	9.0	9.0	7.2	6.0	5.4	6.6	4.8	4.8	6.0	10.2	10.8
115°	9.0	9.0	6.6	5.4	4.8	5.4	4.8	4.2	6.0	10.2	10.8
117.5°	9.0	9.0	6.6	4.8	4.2	4.2	3.6	4.2	6.0	10.2	10.8
120°	9.0	9.0	6.6	4.8	4.2	3.6	3.6	3.6	6.0	10.2	10.8
122.5°	8.4	8.4	6.0	4.2	3.6	3.0	3.0	3.6	5.4	9.6	10.2
125°	7.8	7.8	5.4	4.2	3.6	3.0	3.0	3.0	5.4	9.0	9.6
127.5°	7.2	7.2	5.4	3.6	3.0	3.0	3.0	3.0	4.8	8.4	9.0
130°	6.0	6.0	4.8	3.6	3.0	2.4	3.0	3.0	4.8	7.8	7.8
132.5°	4.8	4.8	3.6	3.0	3.0	2.4	2.4	3.0	4.2	6.6	7.2
135°	3.6	3.6	3.6	3.0	3.0	2.4	2.4	2.4	3.6	5.4	6.0
137.5°	3.0	3.6	3.0	3.0	3.0	2.4	2.4	2.4	3.6	4.8	4.8
140°	3.0	3.0	3.0	3.0	3.0	2.4	2.4	2.4	3.6	4.2	4.8
142.5°	3.0	3.6	3.0	3.0	3.0	2.4	2.4	3.0	3.6	4.8	4.8
145°	3.6	3.6	3.6	3.0	3.0	1.8	1.8	3.0	3.6	4.8	4.8
147.5°	3.6	3.6	3.6	3.0	2.4	1.8	1.8	2.4	3.6	4.8	4.8
150°	3.6	3.6	3.6	3.0	2.4	1.2	1.2	2.4	3.0	4.2	4.8
152.5°	3.6	3.6	3.0	3.0	1.8	1.2	0.6	1.8	2.4	3.6	3.6
155°	3.0	3.0	3.0	2.4	1.8	0.6	0.0	0.6	1.8	3.0	3.0
157.5°	2.4	2.4	2.4	1.8	1.2	0.6	0.0	0.6	0.6	1.8	1.8
160°	1.8	1.8	1.8	1.8	1.2	0.6	0.0	0.0	0.6	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)