

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: P416596

Luminaire Tested: **LXF.LXT-PA1-80-722-U-T2R-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416596
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-3)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-80-722-U-T2R-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2200K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6210 lumens
Efficiency: N/A
Efficacy: 74.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Medium - Non-Cutoff
BUG Rating: B1 - U3 - G3

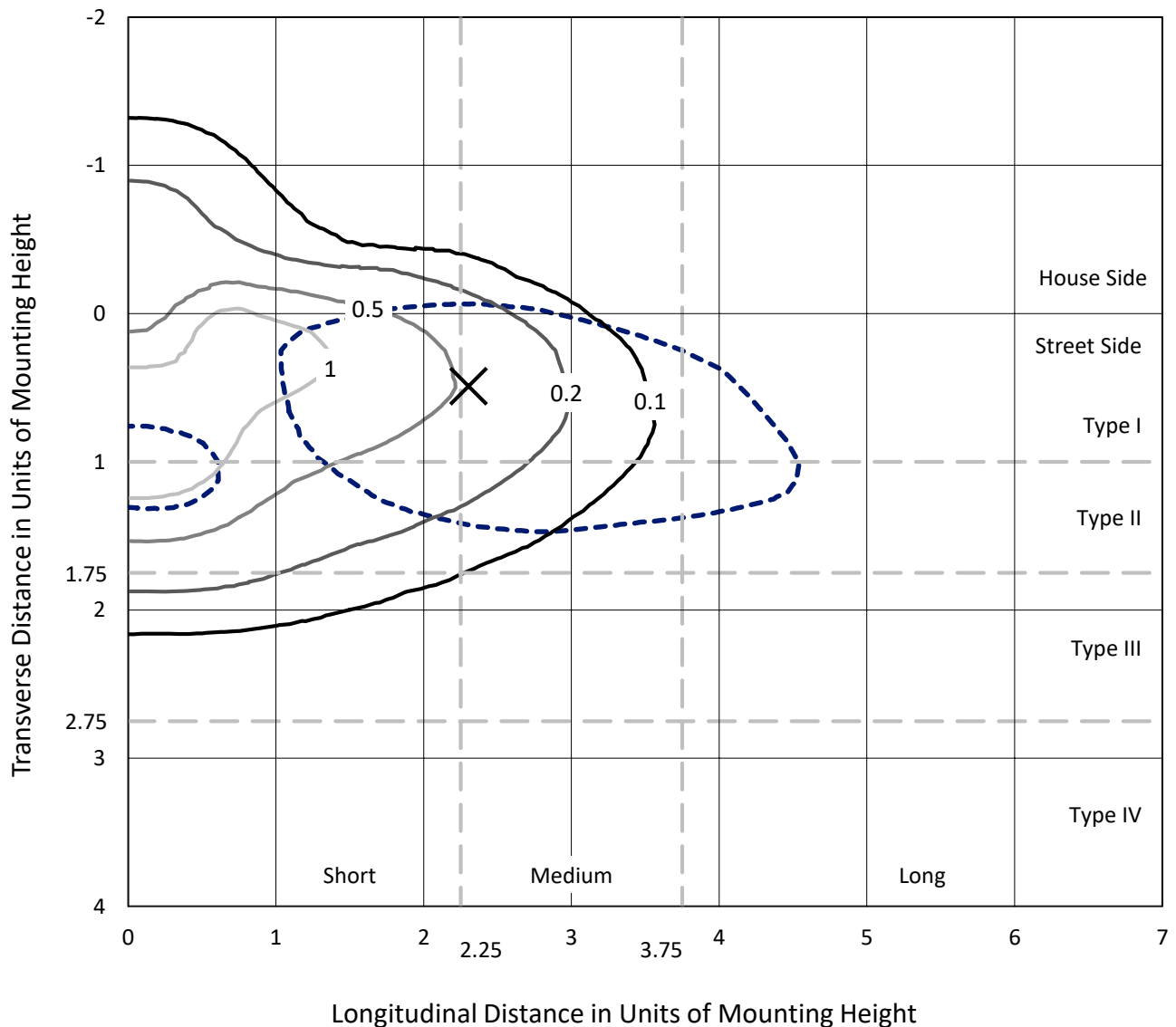
Input Watts (W): 83
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

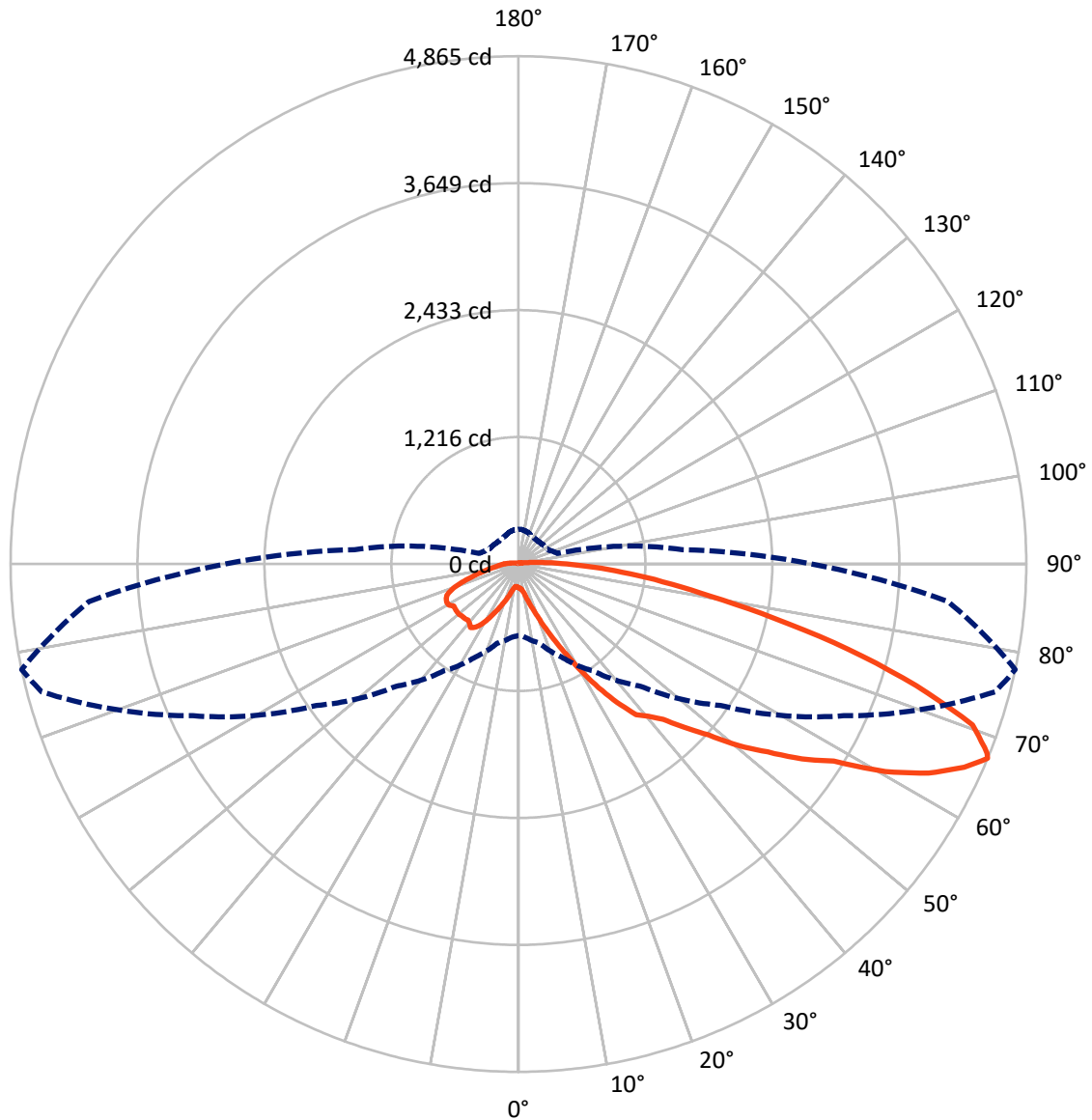
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc
 Type II - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1148.8	94.0	1242.8
	% Fixture	18.5	1.5	20.0
Street Side	Lumens	4867.1	100.1	4967.2
	% Fixture	78.4	1.6	80.0
Total	Lumens	6015.9	194.1	6210.0
	% Fixture	96.9	3.1	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.8	0.4
10°-20°	96.6	1.6
20°-30°	289.8	4.7
30°-40°	663.3	10.7
40°-50°	1059.4	17.1
50°-60°	1305.6	21.0
60°-70°	1360.8	21.9
70°-80°	882.3	14.2
80°-90°	335.4	5.4
90°-100°	103.6	1.7
100°-110°	39.8	0.6
110°-120°	21.5	0.3
120°-130°	14.2	0.2
130°-140°	9.4	0.2
140°-150°	4.2	0.1
150°-160°	1.3	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6015.9	96.9
0°-180°	6210.0	100.0



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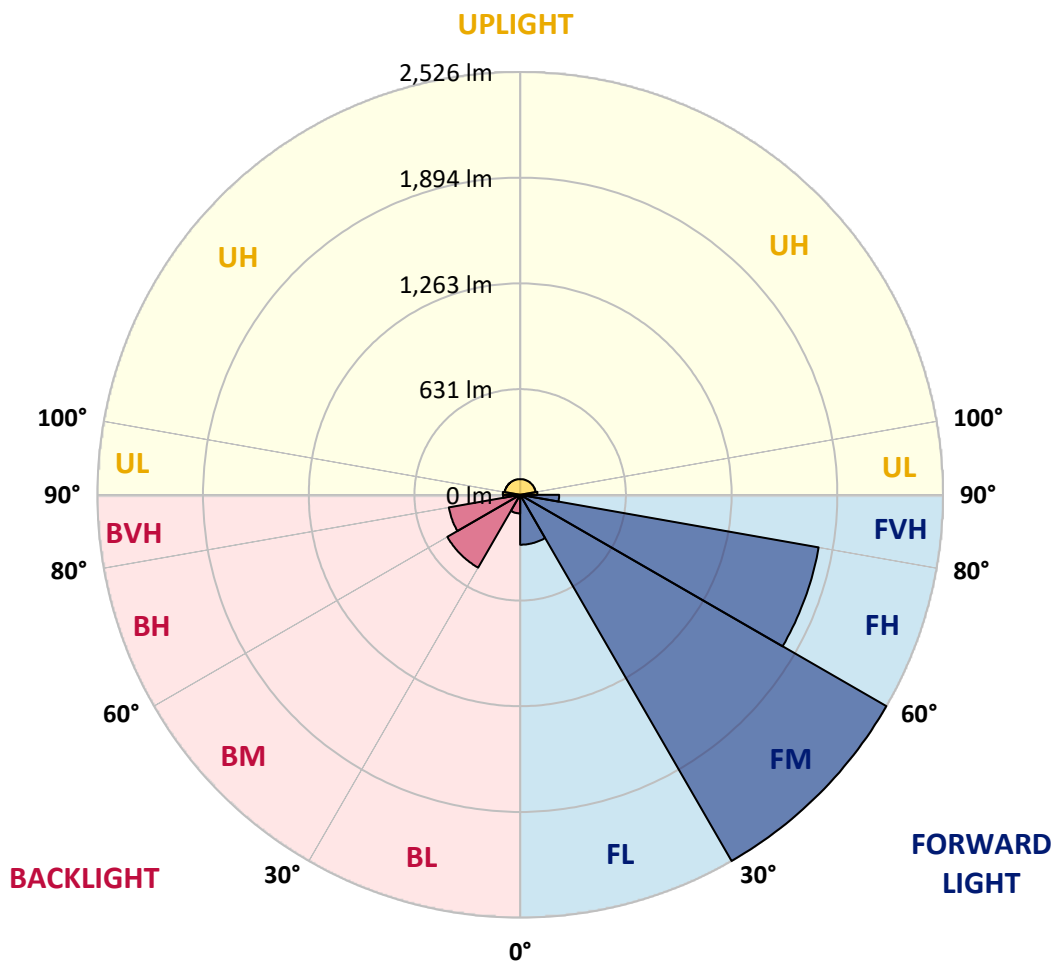
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	298.2	4.8			
FM (30°-60°)	2525.9	40.7			
FH (60°-80°)	1810.3	29.2			G2/5000
FVH (80°-90°)	232.7	3.7			G3/500
BL (0°-30°)	111.0	1.8	B1/500		
BM (30°-60°)	502.3	8.1	B1/1000		
BH (60°-80°)	432.8	7.0	B1/500		G1/500
BVH (80°-90°)	102.8	1.7			G2/225
UL (90°-100°)	103.6	1.7		U3/500	
UH (100°-180°)	94.0	1.5		U3/500	

BUG Rating: B1-U3-G3

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	226.4	226.4	226.4	226.4	226.4	226.4	226.4	226.4	226.4	226.4	226.4
2.5°	255.8	255.1	254.3	252.9	249.9	247.0	242.6	236.7	232.3	231.5	227.1
5°	288.1	285.9	285.9	282.3	276.4	270.5	261.7	251.4	243.3	238.9	232.3
7.5°	327.8	323.4	324.9	319.0	310.9	300.6	286.7	272.7	257.3	252.9	243.3
10°	375.6	372.7	369.7	362.4	352.8	336.7	323.4	302.8	282.3	276.4	261.7
12.5°	433.7	434.4	425.6	417.5	401.3	385.2	369.0	349.1	326.4	319.7	300.6
15°	515.3	514.5	505.0	486.6	466.8	449.1	435.9	414.6	392.5	385.2	356.5
17.5°	610.8	608.6	601.3	568.9	549.1	535.1	516.0	502.8	471.2	463.1	427.8
20°	750.5	737.3	720.3	677.0	647.6	629.9	614.5	597.6	563.8	549.8	507.9
22.5°	905.6	912.2	881.3	814.4	765.2	732.8	716.7	707.8	682.1	672.6	609.4
25°	1098.2	1098.2	1049.6	976.1	912.2	851.9	848.2	858.5	824.0	817.4	750.5
27.5°	1301.0	1309.1	1245.2	1166.5	1069.5	998.9	995.3	1004.1	1001.1	982.0	886.5
30°	1532.6	1525.2	1453.2	1357.6	1229.0	1145.9	1135.6	1199.6	1204.7	1191.5	1087.1
32.5°	1802.3	1796.5	1706.0	1558.3	1399.5	1304.0	1310.6	1401.0	1436.3	1413.5	1291.5
35°	2130.2	2137.5	1995.6	1787.6	1578.1	1467.9	1475.2	1588.4	1654.6	1626.7	1489.2
37.5°	2466.8	2469.0	2338.9	2057.4	1770.0	1613.4	1631.1	1769.3	1854.5	1831.7	1642.8
40°	2680.0	2702.0	2577.1	2309.5	1972.1	1759.0	1773.7	1910.4	1960.4	1917.7	1695.7
42.5°	2866.7	2883.6	2756.4	2469.0	2125.8	1889.1	1883.9	1987.6	2059.6	2033.1	1804.5
45°	2958.6	2991.6	2877.0	2580.0	2233.8	1990.5	1950.8	2105.9	2266.1	2233.1	1980.9
47.5°	2891.7	2932.1	2883.6	2638.1	2282.3	2054.5	2063.3	2276.4	2483.7	2447.0	2173.5
50°	2673.4	2721.9	2738.0	2594.7	2294.8	2086.1	2180.1	2466.8	2744.7	2737.3	2410.2
52.5°	2410.2	2435.9	2506.5	2463.9	2248.5	2122.8	2306.6	2651.3	3013.7	2990.9	2606.5
55°	2166.9	2200.7	2258.8	2233.8	2133.8	2127.2	2406.5	2857.1	3299.6	3296.7	2853.4
57.5°	1831.7	1878.8	2000.8	2014.8	1985.4	2100.0	2479.3	3018.8	3552.5	3562.8	3101.2
60°	1406.1	1445.8	1631.1	1778.8	1804.5	2036.1	2516.1	3196.7	3984.7	4038.3	3534.1
62.5°	1140.1	1147.4	1287.8	1472.3	1647.2	1919.2	2521.9	3421.6	4362.5	4411.0	3793.6
65°	853.4	851.9	981.3	1191.5	1434.8	1782.5	2503.6	3492.2	4567.6	4691.8	4041.3
67°	685.8	702.0	785.0	985.0	1251.0	1654.6	2361.0	3440.0	4728.5	4865.3	4131.7
67.5°	659.3	667.4	743.1	932.0	1209.1	1616.4	2319.1	3426.8	4727.8	4843.9	4104.5
70°	526.3	537.3	592.4	717.4	967.3	1365.7	2024.3	3119.5	4447.8	4616.8	3855.3
72.5°	406.5	415.3	454.3	549.1	736.5	1099.6	1674.4	2684.4	3851.6	3985.4	3268.7
75°	309.5	312.4	349.1	413.8	562.3	838.7	1292.9	2114.0	3167.3	3268.7	2656.5
77.5°	239.6	246.2	274.2	317.5	417.5	631.4	973.2	1646.5	2519.7	2504.3	2019.9
80°	186.7	192.6	213.2	243.3	313.1	463.8	712.3	1217.2	1840.6	1858.9	1478.9
82.5°	149.9	154.4	168.3	190.4	241.1	352.8	520.4	910.0	1399.5	1392.9	1084.2
85°	119.8	122.8	133.0	152.2	186.0	267.6	384.4	676.2	987.9	996.0	740.2
87.5°	93.4	97.0	108.8	120.5	147.0	203.6	283.7	469.0	657.1	663.7	508.7
90°	72.8	75.0	85.3	97.8	119.1	154.4	205.1	321.2	423.4	415.3	327.1
92.5°	53.7	55.9	65.4	77.2	92.6	119.1	147.7	205.8	247.7	252.9	204.3
95°	38.2	40.4	48.5	57.3	70.6	90.4	105.1	130.8	152.2	147.7	130.8
97.5°	29.4	30.1	36.0	42.6	53.7	69.8	77.9	90.4	100.0	97.8	91.1
100°	23.5	24.3	28.7	32.3	41.9	55.1	62.5	69.1	75.0	72.8	69.8
102.5°	19.8	20.6	23.5	26.5	34.5	46.3	50.7	55.1	57.3	57.3	55.9
105°	16.9	17.6	19.8	22.8	29.4	38.2	41.2	43.4	45.6	44.8	44.8
107.5°	15.4	15.4	17.6	19.8	25.7	32.3	33.8	34.5	35.3	35.3	36.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
110°	14.0	14.7	16.2	17.6	22.8	28.7	28.7	27.9	27.9	27.9	30.1
112.5°	13.2	14.0	14.7	16.9	21.3	25.0	24.3	22.8	22.8	23.5	25.7
115°	13.2	13.2	14.0	16.2	19.8	22.8	21.3	19.1	19.1	19.8	22.1
117.5°	13.2	13.2	14.7	16.2	19.1	20.6	19.1	16.9	16.2	16.9	19.1
120°	14.0	14.0	14.7	16.2	17.6	19.1	17.6	15.4	14.7	15.4	17.6
122.5°	14.7	14.7	14.7	16.2	16.9	17.6	16.2	14.0	13.2	14.0	16.2
125°	15.4	15.4	15.4	16.2	16.9	16.2	14.7	13.2	13.2	13.2	15.4
127.5°	16.9	16.9	16.9	16.9	16.2	15.4	14.0	12.5	13.2	13.2	14.7
130°	18.4	18.4	17.6	16.9	16.2	14.7	13.2	11.8	12.5	13.2	14.7
132.5°	19.1	18.4	17.6	16.2	15.4	13.2	11.8	11.0	11.8	12.5	14.0
135°	17.6	17.6	16.2	14.7	14.0	11.8	10.3	10.3	11.0	11.8	12.5
137.5°	15.4	15.4	14.7	13.2	12.5	11.0	9.6	8.8	10.3	11.0	11.8
140°	13.2	13.2	12.5	11.0	10.3	9.6	8.1	7.4	8.8	9.6	10.3
142.5°	11.0	11.0	10.3	8.8	8.8	8.1	6.6	6.6	8.1	8.1	8.8
145°	8.8	8.8	8.8	7.4	7.4	6.6	5.1	5.9	6.6	7.4	7.4
147.5°	7.4	7.4	7.4	5.9	5.9	5.1	3.7	4.4	5.1	5.9	5.9
150°	5.9	5.9	5.9	5.1	4.4	3.7	2.9	3.7	3.7	4.4	4.4
152.5°	4.4	4.4	4.4	3.7	3.7	2.2	2.2	2.9	2.9	3.7	3.7
155°	2.9	2.9	3.7	2.9	2.2	1.5	2.2	2.2	2.9	2.9	2.9
157.5°	2.2	2.2	2.2	1.5	1.5	1.5	1.5	1.5	2.2	2.2	2.2
160°	0.7	0.7	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
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°	226.4	226.4	226.4	226.4	226.4	226.4	226.4	226.4	226.4	226.4	226.4
2.5°	224.9	223.5	219.8	216.1	212.4	209.5	205.8	205.1	205.1	203.6	203.6
5°	227.9	223.5	214.6	207.3	199.2	192.6	187.4	185.2	183.0	181.6	180.1
7.5°	234.5	227.1	212.4	200.7	188.9	178.6	171.3	167.6	165.4	163.2	163.9
10°	249.9	238.9	217.6	198.5	180.8	166.9	158.0	153.6	152.2	149.9	149.9
12.5°	283.0	268.3	237.4	205.1	177.9	158.8	148.5	147.0	148.5	150.7	150.7
15°	335.2	313.1	268.3	223.5	184.5	157.3	151.4	155.8	161.0	163.9	163.9
17.5°	399.1	369.0	305.0	244.8	194.1	170.5	163.2	169.1	175.7	180.1	180.1
20°	469.7	429.3	342.5	263.1	208.0	188.9	180.8	186.0	194.8	201.4	200.7
22.5°	561.6	502.8	385.9	279.3	224.9	205.8	200.7	207.3	220.5	229.3	230.1
25°	675.5	594.7	436.6	300.6	240.4	220.5	222.0	233.7	251.4	260.9	260.9
27.5°	796.8	694.6	480.0	321.9	256.5	235.9	243.3	259.5	278.6	289.6	291.1
30°	957.0	823.3	534.4	343.3	270.5	251.4	260.2	279.3	293.3	299.9	300.6
32.5°	1120.2	945.3	577.7	365.3	283.7	262.4	270.5	288.9	301.4	308.7	308.0
35°	1268.0	1043.8	603.5	375.6	295.5	270.5	274.2	294.0	301.4	305.8	305.0
37.5°	1381.1	1114.3	613.0	377.8	299.9	274.2	275.6	292.5	302.8	310.9	309.5
40°	1400.3	1104.8	577.0	364.6	299.2	274.2	277.1	296.2	307.2	310.9	310.2
42.5°	1470.8	1131.2	546.1	341.1	290.3	273.4	280.1	297.7	302.8	300.6	298.4
45°	1593.6	1187.1	537.3	329.3	279.3	271.2	281.5	294.0	293.3	288.9	287.4
47.5°	1714.9	1240.8	518.2	324.2	276.4	270.5	280.8	289.6	291.8	287.4	285.9
50°	1869.2	1312.1	502.8	316.8	277.1	270.5	279.3	289.6	291.1	283.7	283.0
52.5°	2007.4	1361.3	480.0	310.2	277.8	272.7	279.3	289.6	290.3	283.0	281.5
55°	2151.5	1413.5	456.5	303.6	280.1	274.9	281.5	290.3	291.1	285.9	284.5
57.5°	2295.5	1459.1	430.0	298.4	282.3	279.3	283.0	291.1	297.0	295.5	295.5
60°	2589.6	1589.9	425.6	299.2	284.5	283.0	284.5	294.8	305.8	302.1	302.8
62.5°	2705.7	1617.8	417.5	308.7	291.1	285.9	286.7	297.7	309.5	314.6	313.9
65°	2811.5	1620.0	401.3	315.3	299.2	288.1	288.1	298.4	318.3	330.0	330.0
67°	2805.7	1575.9	389.6	316.1	302.8	290.3	287.4	298.4	319.0	332.2	333.0
67.5°	2771.9	1547.3	385.2	316.1	303.6	290.3	286.7	297.7	319.0	333.0	333.0
70°	2568.2	1396.6	356.5	308.0	301.4	286.7	282.3	290.3	314.6	333.7	333.7
72.5°	2127.2	1149.6	316.1	288.1	287.4	277.1	270.5	279.3	302.8	322.7	321.9
75°	1719.3	918.8	275.6	258.7	266.1	258.7	253.6	260.2	283.0	302.8	301.4
77.5°	1284.9	690.2	238.2	230.8	241.1	235.9	231.5	238.2	260.2	279.3	276.4
80°	949.7	532.2	207.3	204.3	211.7	210.2	208.8	211.7	230.8	243.3	241.1
82.5°	699.0	405.0	178.6	176.4	185.2	185.2	185.2	187.4	201.4	205.8	203.6
85°	496.9	305.0	157.3	151.4	158.8	162.4	164.7	165.4	172.7	173.5	168.3
87.5°	349.9	240.4	141.1	128.6	132.3	140.4	144.1	143.3	146.3	144.1	138.9
90°	244.0	188.9	127.9	109.5	109.5	117.6	123.5	122.8	123.5	117.6	112.5
92.5°	172.0	142.6	108.1	90.4	88.9	97.0	102.2	101.4	101.4	95.6	90.4
95°	115.4	105.1	86.0	72.8	70.6	77.2	82.3	80.9	80.9	75.0	72.8
97.5°	85.3	80.1	70.6	61.7	57.3	61.0	64.7	64.7	65.4	61.7	59.5
100°	66.9	64.7	60.3	52.9	48.5	49.2	51.5	51.5	54.4	51.5	50.0
102.5°	55.9	54.4	50.7	45.6	41.9	41.2	42.6	43.4	47.0	44.8	44.1
105°	46.3	45.6	43.4	39.0	36.0	36.0	36.0	36.8	40.4	39.0	39.0
107.5°	37.5	37.5	37.5	33.8	31.6	31.6	30.9	31.6	34.5	34.5	34.5



REPORT NUMBER: P416596

CATALOG NUMBER: LXF.LXT-PA1-80-722-U-T2R-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	31.6	31.6	32.3	29.4	27.9	27.9	27.2	27.9	30.9	31.6	31.6
112.5°	27.2	27.2	27.9	26.5	25.0	25.0	24.3	24.3	27.2	29.4	29.4
115°	23.5	24.3	24.3	23.5	22.8	22.1	21.3	22.1	25.0	27.2	27.2
117.5°	20.6	21.3	22.1	21.3	20.6	19.8	19.1	19.8	22.8	25.7	25.7
120°	18.4	19.1	19.8	19.8	19.1	18.4	16.9	18.4	20.6	23.5	24.3
122.5°	16.9	17.6	17.6	17.6	17.6	16.2	15.4	16.2	18.4	21.3	22.1
125°	16.2	16.2	16.9	16.9	16.2	14.7	14.0	14.7	16.2	18.4	19.1
127.5°	15.4	15.4	16.2	16.2	14.7	13.2	12.5	13.2	14.7	16.2	16.2
130°	15.4	15.4	15.4	14.7	14.0	12.5	11.0	11.8	13.2	14.7	14.7
132.5°	14.7	14.0	14.0	14.0	12.5	11.0	10.3	10.3	11.8	13.2	13.2
135°	13.2	13.2	12.5	12.5	11.8	9.6	8.8	8.8	10.3	11.8	11.8
137.5°	11.8	11.8	11.0	11.0	10.3	8.8	7.4	8.1	9.6	9.6	10.3
140°	10.3	10.3	9.6	9.6	8.8	7.4	5.9	6.6	8.1	8.1	8.8
142.5°	8.8	8.8	8.8	8.1	7.4	5.9	5.1	5.9	7.4	7.4	7.4
145°	7.4	7.4	7.4	6.6	5.9	4.4	3.7	5.1	6.6	5.9	5.9
147.5°	5.9	5.9	5.9	5.9	4.4	3.7	2.9	4.4	5.1	5.1	5.1
150°	4.4	4.4	4.4	4.4	3.7	2.2	2.2	3.7	4.4	4.4	4.4
152.5°	3.7	3.7	3.7	4.4	3.7	1.5	1.5	2.9	3.7	3.7	3.7
155°	2.9	2.9	3.7	3.7	2.9	1.5	0.7	2.2	2.9	2.9	2.9
157.5°	2.2	2.2	2.9	2.9	2.2	1.5	0.7	1.5	2.9	2.2	2.2
160°	1.5	2.2	2.2	2.2	2.2	1.5	0.0	1.5	2.2	1.5	1.5
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)