

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: P416715

Luminaire Tested: **LXF.LXT-PA1-80-730-U-T2U-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416715
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-25)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-80-730-U-T2U-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7869 lumens
Efficiency: N/A
Efficacy: 94.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B2 - U3 - G3

Input Watts (W): 83
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

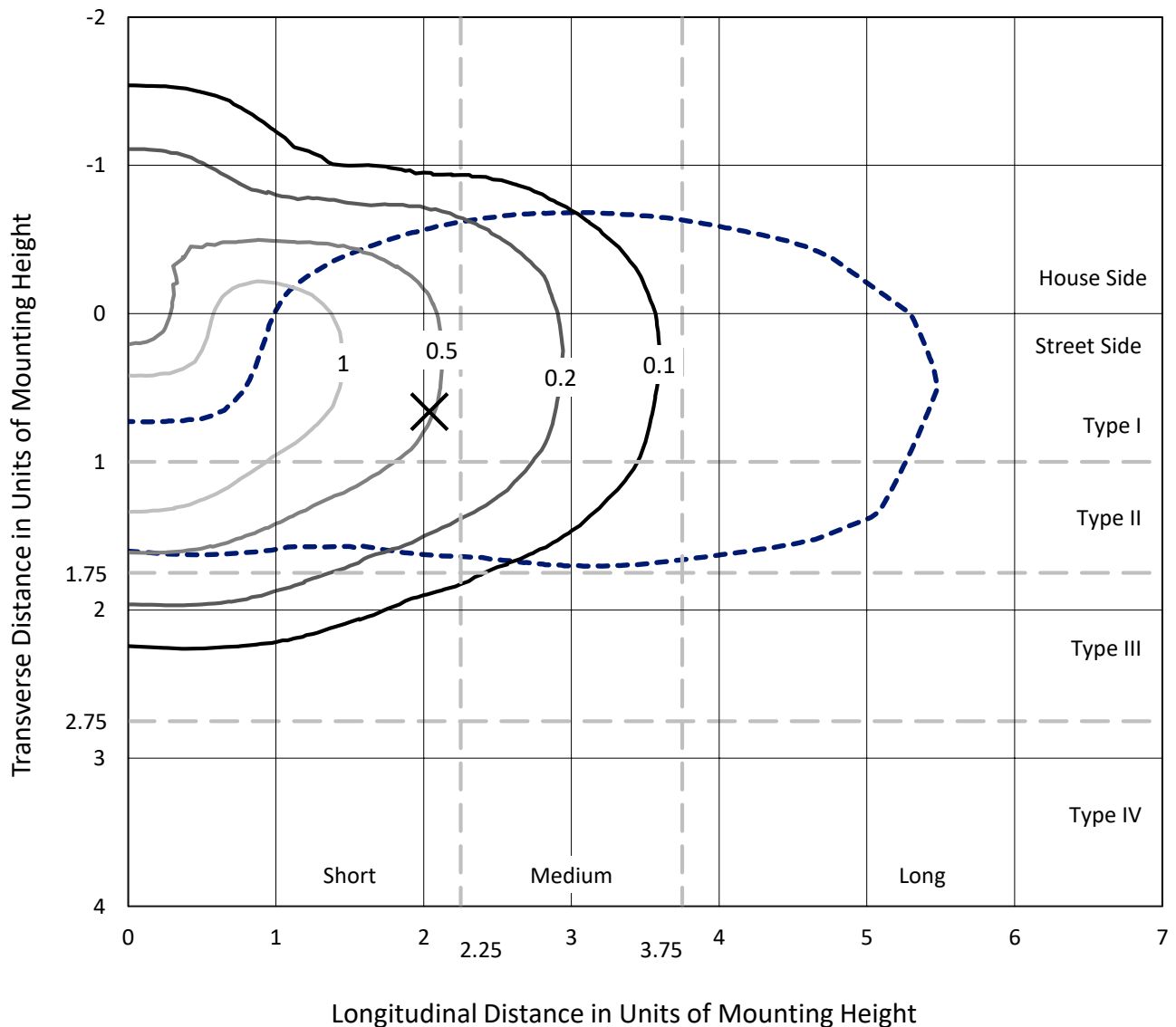


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

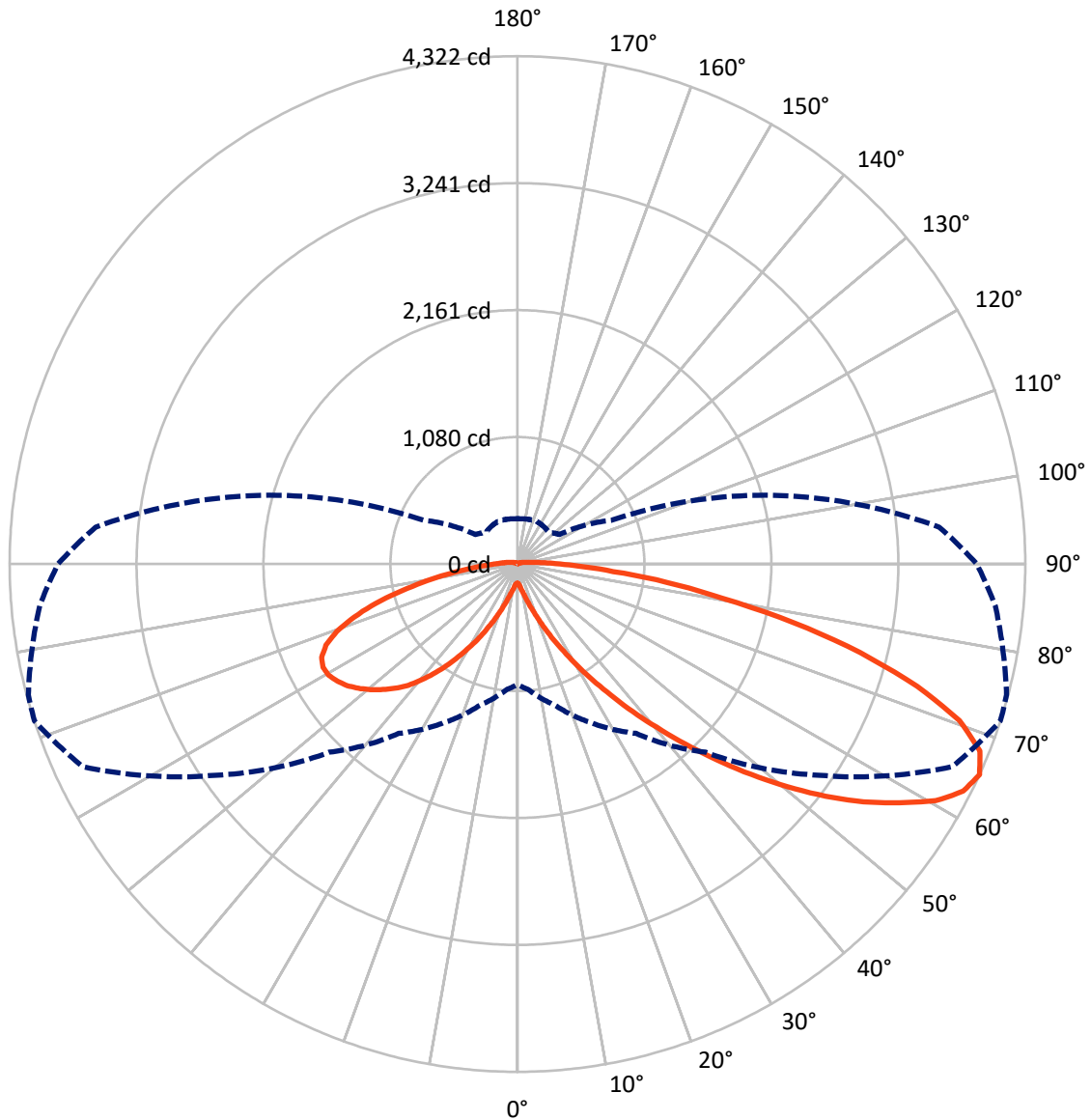


Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2218.6	111.6	2330.3
	% Fixture	28.2	1.4	29.6
Street Side	Lumens	5429.9	108.9	5538.8
	% Fixture	69.0	1.4	70.4
Total	Lumens	7648.5	220.5	7869.0
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.7	0.2
10°-20°	95.2	1.2
20°-30°	301.5	3.8
30°-40°	722.6	9.2
40°-50°	1334.1	17.0
50°-60°	1817.8	23.1
60°-70°	1772.4	22.5
70°-80°	1157.5	14.7
80°-90°	428.8	5.4
90°-100°	119.2	1.5
100°-110°	50.0	0.6
110°-120°	25.1	0.3
120°-130°	14.2	0.2
130°-140°	8.0	0.1
140°-150°	3.3	0.0
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7648.5	97.2
0°-180°	7869.0	100.0



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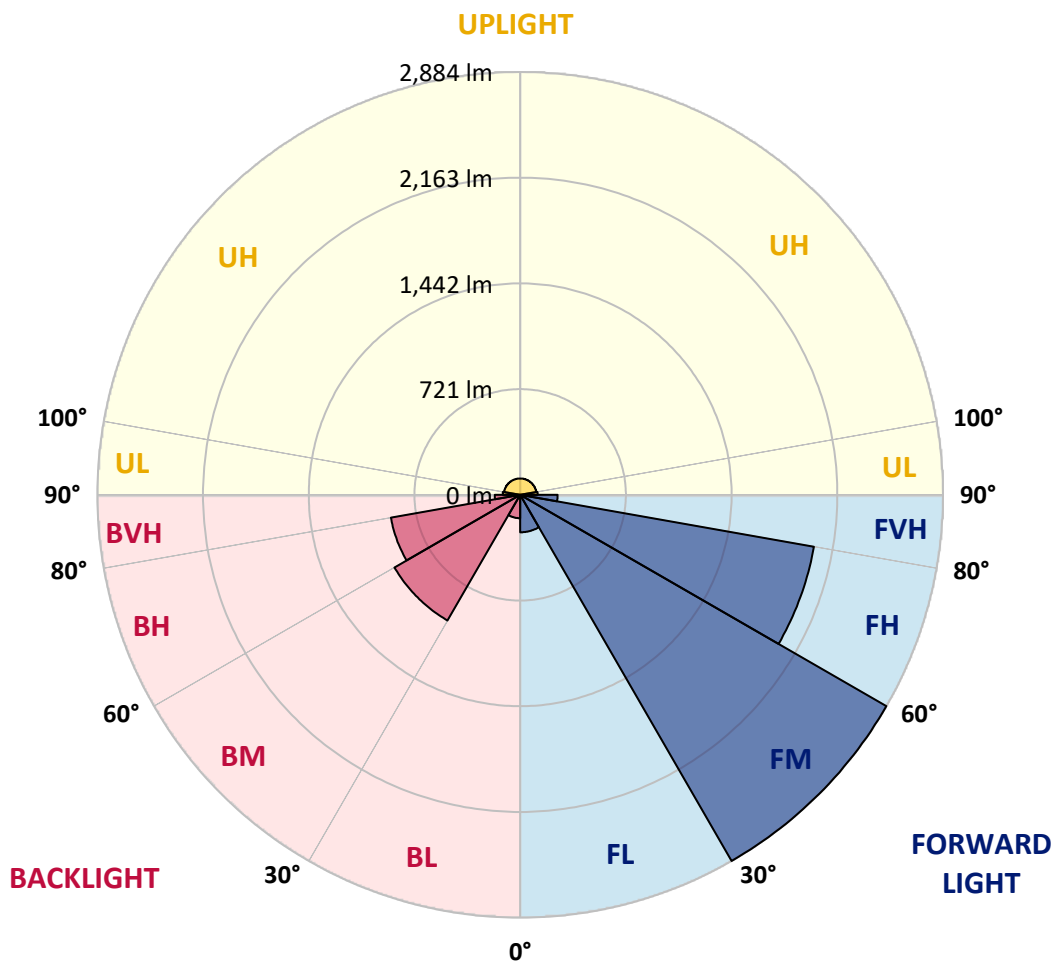
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	255.6	3.2			
FM (30°-60°)	2884.3	36.7			
FH (60°-80°)	2034.7	25.9			G2/5000
FVH (80°-90°)	255.3	3.2			G3/500
BL (0°-30°)	159.8	2.0	B1/500		
BM (30°-60°)	990.2	12.6	B1/1000		
BH (60°-80°)	895.2	11.4	B2/1000		G2/1000
BVH (80°-90°)	173.5	2.2			G2/225
UL (90°-100°)	119.2	1.5		U3/500	
UH (100°-180°)	111.6	1.4		U3/500	

BUG Rating: B2-U3-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	163.9	163.9	163.9	163.9	163.9	163.9	163.9	163.9	163.9	163.9	163.9
2.5°	181.2	180.3	178.5	177.6	177.6	175.8	174.0	171.2	169.4	168.5	166.7
5°	204.9	203.1	201.3	199.5	197.6	194.9	190.3	187.6	184.0	183.1	179.4
7.5°	238.6	236.8	231.3	229.5	226.8	223.1	217.7	212.2	208.6	205.8	200.4
10°	283.2	281.4	277.8	273.2	267.8	260.5	251.4	245.9	236.8	238.6	230.4
12.5°	344.3	339.7	335.2	327.9	316.9	308.7	296.0	290.5	280.5	280.5	270.5
15°	418.0	417.1	408.0	392.5	382.5	365.2	354.3	342.4	336.1	336.1	327.9
17.5°	513.7	507.3	500.0	479.1	456.3	435.3	420.8	412.6	405.3	403.5	392.5
20°	632.1	623.0	612.0	574.7	547.4	521.9	500.9	494.5	489.1	488.2	479.1
22.5°	782.3	763.2	743.2	706.8	663.0	618.4	603.8	589.3	590.2	592.0	571.0
25°	949.0	943.6	908.0	856.1	798.7	749.6	709.5	704.0	709.5	705.8	697.6
27.5°	1163.0	1144.8	1100.2	1033.7	942.6	885.3	842.5	838.8	839.7	844.3	830.6
30°	1412.6	1403.5	1347.0	1235.9	1118.4	1041.9	995.5	989.1	1000.0	1000.9	980.0
32.5°	1706.8	1688.6	1602.0	1478.2	1317.9	1220.4	1167.6	1165.8	1177.6	1180.3	1164.0
35°	2004.6	1995.5	1909.9	1732.3	1556.5	1409.0	1355.2	1358.9	1367.1	1383.4	1364.3
37.5°	2347.9	2323.4	2213.2	2025.5	1803.3	1626.6	1569.2	1582.0	1594.7	1594.7	1568.3
40°	2672.2	2663.1	2547.4	2311.5	2045.6	1881.6	1818.8	1826.1	1825.2	1826.1	1791.5
42.5°	2972.7	2941.8	2839.8	2589.3	2315.2	2148.5	2072.9	2084.7	2095.7	2103.9	2016.4
45°	3175.8	3149.4	3059.3	2812.4	2570.2	2412.6	2363.4	2363.4	2376.2	2372.5	2286.0
47.5°	3247.8	3244.1	3176.7	2989.1	2766.9	2644.9	2647.6	2657.6	2676.7	2659.4	2535.6
50°	3214.1	3199.5	3187.7	3082.9	2929.9	2871.6	2926.3	2977.3	2979.1	2948.1	2790.6
52.5°	3002.8	3004.6	3064.7	3045.6	2975.5	3034.7	3201.3	3291.5	3283.3	3253.2	3063.8
55°	2681.3	2695.9	2800.6	2880.7	2923.6	3087.5	3405.3	3592.1	3573.8	3531.9	3339.8
57.5°	2253.2	2300.6	2440.8	2615.7	2768.7	3038.3	3516.5	3852.5	3833.4	3833.4	3614.8
60°	1797.8	1836.1	2042.8	2256.0	2497.3	2872.5	3527.4	4043.8	4090.2	4061.1	3809.7
62.5°	1394.4	1410.8	1624.8	1893.5	2152.1	2593.9	3401.7	4134.9	4257.8	4233.2	3984.6
65°	1026.4	1072.9	1245.9	1491.8	1759.6	2265.1	3133.0	4081.1	4321.6	4308.8	4081.1
67.5°	763.2	784.2	929.0	1156.7	1421.7	1856.1	2741.4	3846.2	4245.1	4256.0	4066.6
70°	572.0	577.4	690.4	878.0	1103.8	1464.5	2285.1	3470.9	3991.0	4040.1	3936.3
72.5°	432.6	442.6	536.4	684.0	851.6	1127.5	1806.0	2960.9	3557.4	3679.5	3640.3
75°	338.8	350.6	415.3	529.2	658.5	853.4	1367.1	2358.0	3013.7	3171.3	3215.0
77.5°	267.8	280.5	335.2	422.6	513.7	658.5	1004.6	1764.1	2407.1	2564.7	2692.2
80°	210.4	219.5	267.8	332.4	404.4	486.3	704.0	1282.4	1767.8	1964.5	2081.1
82.5°	160.3	170.3	207.7	262.3	316.9	371.6	502.7	872.5	1282.4	1371.6	1570.2
85°	116.6	125.7	156.7	201.3	244.1	287.8	367.9	582.0	817.0	923.5	1023.7
87.5°	85.6	89.3	116.6	149.4	187.6	217.7	265.0	371.6	519.1	572.0	655.7
90°	60.1	63.8	85.6	110.2	142.1	170.3	194.9	245.9	323.3	370.7	386.2
92.5°	44.6	47.4	63.8	82.9	109.3	132.1	147.5	174.0	210.4	230.4	243.2
95°	33.7	36.4	50.1	65.6	84.7	103.8	115.7	125.7	146.6	152.1	163.0
97.5°	27.3	29.1	41.0	53.7	68.3	85.6	92.0	97.5	104.7	110.2	114.8
100°	23.7	24.6	34.6	45.5	58.3	69.2	74.7	77.4	82.0	83.8	85.6
102.5°	20.9	20.9	30.1	39.2	50.1	58.3	62.8	62.8	63.8	64.7	63.8
105°	18.2	19.1	26.4	34.6	42.8	50.1	53.7	51.9	51.0	50.1	47.4
107.5°	17.3	17.3	23.7	31.0	38.3	43.7	46.4	42.8	41.0	39.2	36.4
110°	15.5	16.4	20.9	27.3	33.7	38.3	40.1	36.4	32.8	31.0	28.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	14.6	15.5	19.1	24.6	30.1	34.6	34.6	31.0	26.4	24.6	22.8
115°	14.6	14.6	17.3	21.9	27.3	31.0	31.0	26.4	21.9	20.0	19.1
117.5°	14.6	14.6	16.4	20.0	24.6	27.3	27.3	22.8	18.2	16.4	16.4
120°	13.7	13.7	15.5	18.2	22.8	24.6	23.7	20.0	15.5	14.6	14.6
122.5°	13.7	13.7	14.6	17.3	20.9	22.8	21.9	17.3	13.7	11.8	12.8
125°	14.6	13.7	14.6	16.4	19.1	20.0	19.1	14.6	11.8	10.9	11.8
127.5°	14.6	14.6	13.7	15.5	17.3	18.2	17.3	12.8	10.0	10.0	10.9
130°	14.6	14.6	13.7	14.6	15.5	16.4	14.6	10.9	9.1	9.1	10.0
132.5°	14.6	14.6	13.7	13.7	14.6	14.6	12.8	9.1	8.2	8.2	9.1
135°	14.6	14.6	12.8	12.8	12.8	12.8	10.9	8.2	7.3	7.3	8.2
137.5°	13.7	13.7	12.8	11.8	11.8	10.9	9.1	6.4	5.5	6.4	7.3
140°	12.8	12.8	11.8	10.0	10.0	9.1	7.3	5.5	4.6	5.5	5.5
142.5°	11.8	11.8	10.9	9.1	8.2	7.3	6.4	3.6	3.6	3.6	4.6
145°	10.9	10.9	10.0	7.3	6.4	5.5	4.6	2.7	2.7	2.7	3.6
147.5°	9.1	9.1	8.2	6.4	4.6	4.6	2.7	1.8	2.7	2.7	2.7
150°	7.3	7.3	6.4	4.6	3.6	2.7	0.9	1.8	1.8	1.8	2.7
152.5°	6.4	6.4	4.6	3.6	1.8	0.9	0.9	0.9	1.8	1.8	1.8
155°	4.6	4.6	3.6	1.8	0.9	0.0	0.9	0.9	0.9	0.9	0.9
157.5°	2.7	2.7	1.8	0.9	0.0	0.0	0.0	0.9	0.9	0.9	0.9
160°	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	163.9	163.9	163.9	163.9	163.9	163.9	163.9	163.9	163.9	163.9	163.9
2.5°	164.8	164.8	163.9	163.0	162.1	161.2	159.4	158.5	158.5	157.6	157.6
5°	177.6	176.7	174.0	171.2	167.6	165.8	163.0	161.2	160.3	159.4	159.4
7.5°	197.6	195.8	190.3	185.8	181.2	177.6	173.0	170.3	169.4	166.7	167.6
10°	225.9	223.1	216.8	208.6	200.4	194.9	188.5	184.9	183.1	181.2	179.4
12.5°	266.9	261.4	250.5	239.5	227.7	216.8	210.4	207.7	209.5	208.6	209.5
15°	323.3	313.3	296.9	280.5	259.6	245.9	244.1	243.2	243.2	244.1	245.9
17.5°	387.1	376.1	355.2	325.1	300.6	286.9	278.7	277.8	282.3	283.2	282.3
20°	470.9	459.9	427.1	386.2	350.6	328.8	317.9	317.9	324.2	326.1	329.7
22.5°	561.0	554.7	510.0	453.6	406.2	370.7	355.2	357.0	366.1	368.9	370.7
25°	686.7	661.2	606.6	529.2	460.8	413.5	392.5	393.4	403.5	410.8	413.5
27.5°	825.2	796.0	715.9	614.8	515.5	449.0	425.3	426.2	438.1	447.2	449.0
30°	973.6	944.5	839.7	699.5	566.5	480.9	449.0	449.9	463.6	473.6	475.4
32.5°	1132.1	1108.4	961.8	790.5	611.1	502.7	464.5	465.4	477.2	486.3	488.2
35°	1332.4	1278.7	1106.6	871.6	648.5	516.4	471.8	470.9	482.7	491.8	493.6
37.5°	1530.1	1472.7	1244.1	947.2	670.3	520.0	470.0	470.0	479.1	486.3	487.3
40°	1745.0	1649.4	1388.9	1006.4	678.5	514.6	464.5	463.6	470.9	474.5	475.4
42.5°	1976.4	1858.9	1531.0	1053.8	674.9	502.7	454.5	455.4	458.1	458.1	457.2
45°	2184.9	2065.6	1653.0	1084.7	662.1	487.3	442.6	443.5	444.5	437.2	437.2
47.5°	2429.9	2285.1	1767.8	1092.0	636.6	471.8	433.5	435.3	430.8	420.8	419.0
50°	2662.2	2501.0	1883.5	1089.3	610.2	455.4	424.4	426.2	418.0	404.4	401.6
52.5°	2920.8	2714.1	1992.8	1075.6	578.3	440.8	418.0	419.9	410.8	394.4	391.6
55°	3175.8	2939.9	2092.9	1051.9	551.0	425.3	411.7	416.2	404.4	388.0	387.1
57.5°	3419.0	3164.0	2175.8	1017.3	521.9	414.4	407.1	412.6	401.6	385.3	384.3
60°	3635.8	3354.3	2242.3	983.6	490.0	403.5	402.6	409.8	399.8	386.2	385.3
62.5°	3787.9	3525.6	2272.4	938.1	464.5	391.6	397.1	404.4	397.1	386.2	386.2
65°	3909.0	3602.1	2260.5	878.0	437.2	378.9	389.8	397.1	392.5	385.3	386.2
67.5°	3886.2	3600.2	2183.1	806.0	411.7	365.2	377.1	387.1	383.4	380.7	379.8
70°	3746.0	3429.9	2034.6	727.7	385.3	347.9	361.6	371.6	370.7	369.8	369.8
72.5°	3457.3	3134.8	1812.4	637.5	357.9	329.7	341.5	350.6	352.5	351.6	348.8
75°	3080.2	2728.6	1554.7	552.8	329.7	307.8	320.6	326.1	328.8	327.0	327.0
77.5°	2527.4	2275.1	1235.9	467.2	299.6	283.2	292.4	296.9	300.6	296.0	293.3
80°	2008.2	1730.5	950.8	381.6	266.9	255.9	260.5	262.3	265.9	261.4	255.9
82.5°	1409.9	1233.2	689.4	311.5	234.1	225.0	227.7	226.8	228.6	222.2	214.9
85°	941.7	828.8	474.5	250.5	200.4	192.2	192.2	189.4	187.6	181.2	175.8
87.5°	591.1	524.6	326.1	197.6	168.5	162.1	158.5	153.0	151.2	146.6	140.3
90°	364.3	335.2	227.7	158.5	140.3	134.8	131.1	123.0	122.0	114.8	110.2
92.5°	238.6	218.6	168.5	128.4	117.5	112.0	107.5	100.2	99.3	93.8	91.1
95°	157.6	153.0	128.4	107.5	99.3	94.7	90.2	83.8	82.0	76.5	72.9
97.5°	115.7	115.7	105.6	91.1	84.7	80.1	77.4	72.0	68.3	62.8	61.0
100°	87.4	88.3	84.7	78.3	72.9	68.3	65.6	61.0	58.3	52.8	51.9
102.5°	67.4	69.2	70.1	66.5	62.8	59.2	56.5	52.8	49.2	43.7	42.8
105°	51.9	53.7	57.4	56.5	54.6	51.9	49.2	45.5	41.0	36.4	36.4
107.5°	40.1	41.9	47.4	48.3	47.4	44.6	42.8	39.2	35.5	31.0	31.0
110°	31.0	33.7	39.2	41.0	41.0	39.2	37.3	33.7	29.1	26.4	26.4



REPORT NUMBER: P416715

CATALOG NUMBER: LXF.LXT-PA1-80-730-U-T2U-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	25.5	28.2	32.8	35.5	35.5	34.6	31.9	28.2	24.6	22.8	22.8
115°	20.9	23.7	28.2	31.0	31.0	30.1	28.2	24.6	20.9	20.0	20.0
117.5°	18.2	20.0	23.7	26.4	27.3	26.4	24.6	20.9	18.2	18.2	18.2
120°	16.4	18.2	20.9	22.8	23.7	22.8	20.9	18.2	15.5	16.4	16.4
122.5°	14.6	15.5	18.2	20.9	20.9	20.9	19.1	15.5	13.7	14.6	14.6
125°	12.8	14.6	16.4	18.2	19.1	18.2	16.4	13.7	11.8	12.8	13.7
127.5°	11.8	12.8	14.6	16.4	16.4	16.4	14.6	11.8	10.9	11.8	11.8
130°	10.9	11.8	12.8	14.6	14.6	14.6	12.8	10.0	10.0	10.9	10.9
132.5°	10.0	10.9	11.8	12.8	12.8	12.8	10.9	9.1	8.2	10.0	10.0
135°	9.1	9.1	10.0	10.9	10.9	10.9	9.1	7.3	7.3	9.1	9.1
137.5°	7.3	8.2	9.1	9.1	9.1	9.1	7.3	6.4	6.4	7.3	7.3
140°	6.4	6.4	7.3	7.3	7.3	7.3	6.4	4.6	5.5	6.4	6.4
142.5°	5.5	5.5	6.4	6.4	6.4	5.5	4.6	3.6	4.6	5.5	5.5
145°	3.6	4.6	4.6	4.6	4.6	3.6	2.7	2.7	3.6	4.6	4.6
147.5°	3.6	3.6	3.6	3.6	3.6	2.7	1.8	1.8	2.7	3.6	3.6
150°	2.7	2.7	3.6	3.6	2.7	1.8	0.9	0.9	1.8	2.7	2.7
152.5°	1.8	1.8	2.7	2.7	1.8	0.9	0.0	0.0	0.9	0.9	0.9
155°	1.8	1.8	1.8	1.8	1.8	0.9	0.0	0.0	0.0	0.0	0.0
157.5°	0.9	0.9	1.8	1.8	0.9	0.9	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0
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)