

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: P416926

Luminaire Tested: **LXF.LXT-PA1-80-827-U-T3-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416926
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-PA1-80-827-U-T3-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1050mA 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: 6396 lumens
Efficiency: N/A
Efficacy: 77.1 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: B2 - U3 - G3

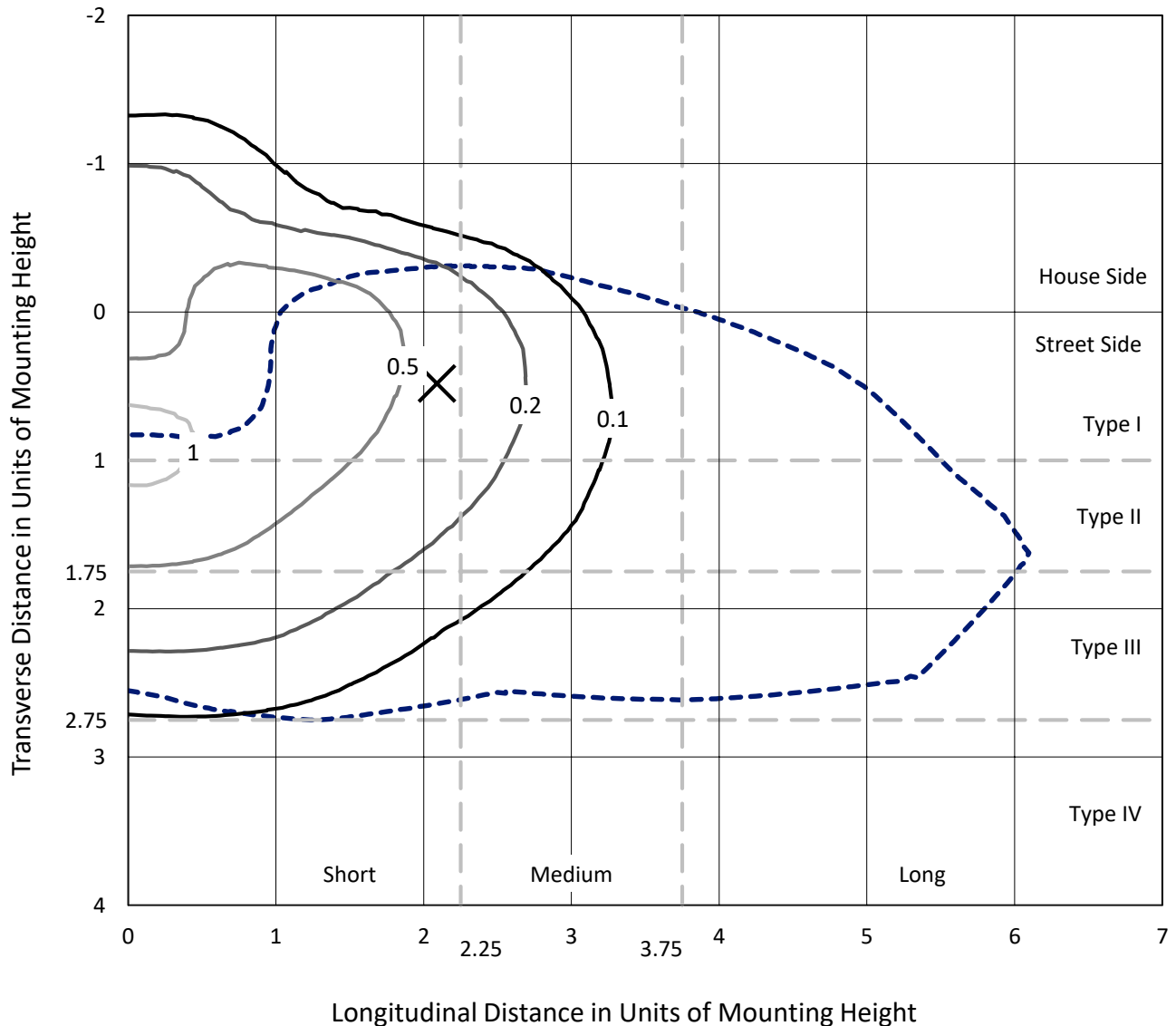
Input Watts (W): 83
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

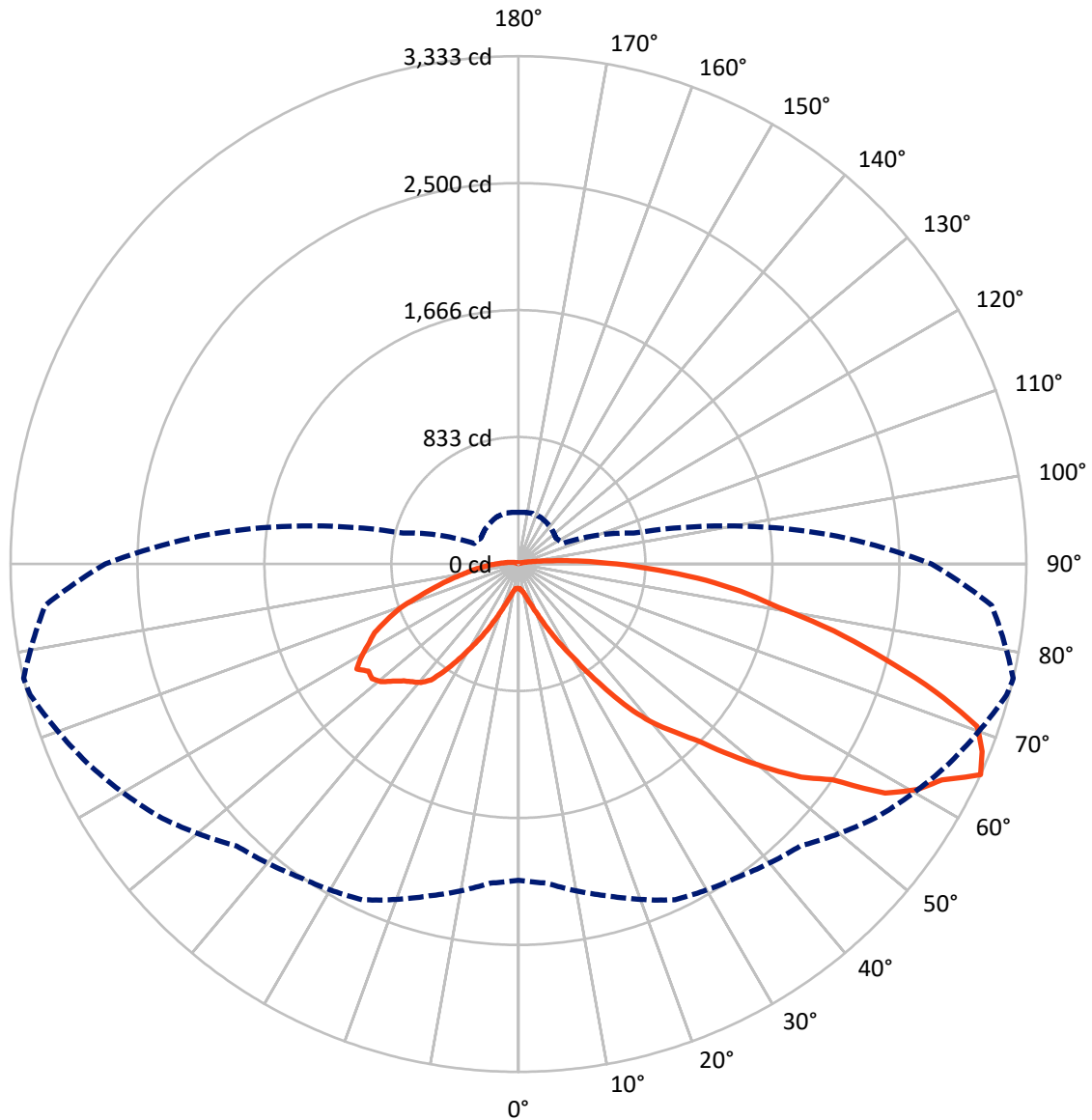
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 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	1409.4	100.2	1509.6
	% Fixture	22.0	1.6	23.6
Street Side	Lumens	4761.1	125.3	4886.4
	% Fixture	74.4	2.0	76.4
Total	Lumens	6170.5	225.5	6396.0
	% Fixture	96.5	3.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.5	0.3
10°-20°	70.0	1.1
20°-30°	205.3	3.2
30°-40°	491.4	7.7
40°-50°	884.9	13.8
50°-60°	1346.0	21.0
60°-70°	1587.8	24.8
70°-80°	1094.2	17.1
80°-90°	474.4	7.4
90°-100°	138.5	2.2
100°-110°	43.4	0.7
110°-120°	20.3	0.3
120°-130°	11.9	0.2
130°-140°	7.3	0.1
140°-150°	3.1	0.0
150°-160°	1.0	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6170.5	96.5
0°-180°	6396.0	100.0



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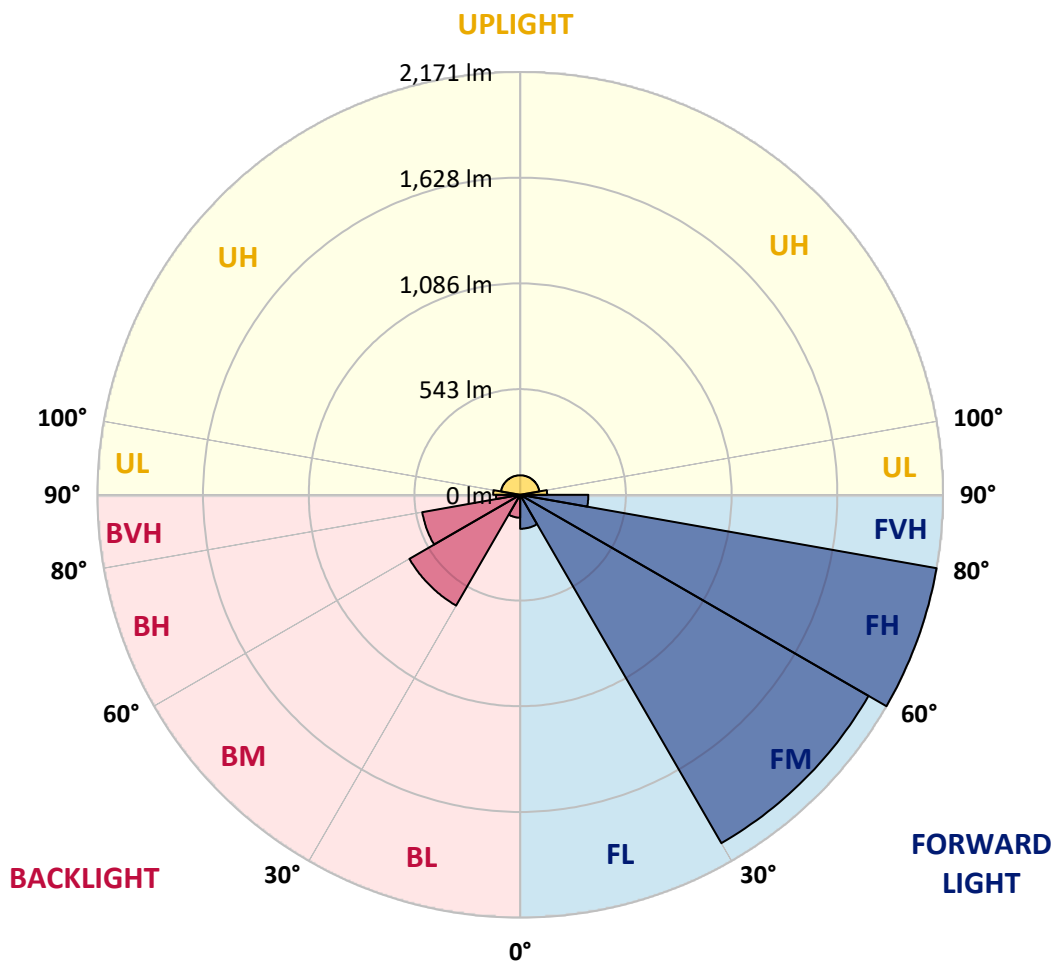
CATALOG NUMBER: LXF.LXT-PA1-80-827-U-T3-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	174.3	2.7			
FM	(30°-60°)	2065.4	32.3			
FH	(60°-80°)	2171.3	33.9			G2/5000
FVH	(80°-90°)	350.0	5.5			G3/500
BL	(0°-30°)	117.5	1.8	B1/500		
BM	(30°-60°)	656.9	10.3	B1/1000		
BH	(60°-80°)	510.6	8.0	B2/1000		G2/1000
BVH	(80°-90°)	124.4	1.9			G2/225
UL	(90°-100°)	138.5	2.2		U3/500	
UH	(100°-180°)	100.2	1.6		U3/500	

BUG Rating: B2-U3-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	161.0	161.0	161.0	161.0	161.0	161.0	161.0	161.0	161.0	161.0	161.0
2.5°	172.8	172.0	172.0	172.8	171.3	169.8	167.6	165.4	163.2	163.2	161.7
5°	186.7	186.0	186.0	186.0	183.1	180.9	175.7	172.8	169.8	168.4	166.2
7.5°	205.1	202.9	203.7	202.9	198.5	194.1	188.9	183.1	179.4	178.7	174.2
10°	229.4	227.9	226.4	223.5	219.1	211.7	204.4	199.2	194.1	193.4	188.2
12.5°	263.9	262.5	259.5	252.9	243.4	234.5	227.2	221.3	218.4	216.9	211.7
15°	305.8	301.4	300.0	289.7	276.4	266.1	258.1	254.4	251.4	251.4	244.8
17.5°	355.1	355.1	347.7	333.8	316.9	304.4	296.3	289.7	291.9	291.1	287.5
20°	416.1	414.7	403.6	385.2	364.7	352.9	342.6	338.9	341.9	344.8	344.8
22.5°	504.3	500.7	483.8	455.8	425.7	406.6	399.2	398.5	410.2	413.9	418.3
25°	603.6	598.5	577.1	543.3	505.8	476.4	466.1	474.2	495.5	503.6	512.4
27.5°	723.4	720.5	688.1	641.8	597.0	558.8	547.0	572.0	600.7	603.6	621.2
30°	877.8	879.3	835.2	768.3	691.8	652.1	638.9	669.0	711.7	714.6	749.9
32.5°	1056.5	1056.5	990.3	909.4	810.9	755.1	742.6	791.1	858.0	868.3	902.1
35°	1284.4	1271.2	1186.6	1070.5	946.9	863.9	862.4	938.1	1030.0	1040.3	1077.1
37.5°	1488.8	1496.9	1410.8	1259.4	1092.5	996.9	1009.4	1105.7	1221.9	1224.8	1264.5
40°	1710.1	1718.9	1617.4	1459.4	1254.3	1146.9	1171.9	1261.6	1377.0	1379.2	1393.2
42.5°	1883.6	1906.4	1811.5	1646.8	1439.5	1317.5	1323.4	1407.2	1496.1	1507.2	1516.7
45°	1987.2	2004.2	1952.0	1820.4	1602.7	1488.0	1474.1	1542.5	1658.6	1655.7	1669.6
47.5°	2150.5	2170.3	2090.2	1970.3	1786.5	1644.6	1627.0	1716.0	1858.6	1873.3	1860.1
50°	2319.6	2346.0	2287.9	2148.3	1958.6	1820.4	1822.6	1924.0	2090.2	2095.3	2103.4
52.5°	2437.9	2457.0	2434.2	2337.2	2135.8	2010.0	2029.9	2151.2	2314.4	2324.0	2291.6
55°	2456.3	2485.7	2504.1	2482.0	2329.9	2205.6	2256.3	2377.6	2487.9	2496.0	2471.0
57.5°	2450.4	2474.7	2513.7	2530.6	2454.1	2407.0	2472.5	2596.7	2809.2	2836.4	2823.9
60°	2443.8	2461.5	2542.3	2567.3	2523.9	2561.4	2665.8	2887.1	3004.0	3006.2	2892.3
62.5°	2260.0	2289.4	2441.6	2567.3	2555.6	2626.9	2855.5	3009.2	3101.8	3118.7	3009.9
65°	2075.5	2101.2	2254.1	2430.6	2508.5	2615.8	2884.9	3111.4	3317.2	3332.7	3117.2
67.5°	1808.6	1849.0	2015.9	2228.4	2324.0	2495.3	2807.7	3147.4	3275.3	3281.9	3035.6
70°	1473.3	1528.5	1716.7	1940.9	2055.6	2229.1	2635.0	3018.7	3197.4	3193.7	2900.4
72.5°	1061.6	1110.9	1282.9	1549.1	1728.5	1918.1	2318.8	2762.9	2864.3	2860.7	2467.3
75°	721.2	747.7	877.1	1120.4	1378.5	1601.3	1997.5	2396.8	2482.8	2476.2	2113.7
77.5°	472.7	502.9	586.7	794.8	1035.2	1291.7	1677.0	2006.4	2141.6	2117.4	1791.7
80°	289.7	306.6	375.7	536.7	784.5	1042.5	1386.6	1697.6	1767.4	1732.1	1463.0
82.5°	180.9	194.1	243.4	354.4	563.2	805.0	1137.4	1429.2	1507.2	1467.5	1203.5
85°	111.0	117.6	151.5	233.1	382.3	591.8	914.6	1159.4	1207.2	1178.5	907.2
87.5°	80.9	82.3	103.7	157.3	258.1	423.5	673.4	873.4	908.0	855.0	635.9
90°	59.6	62.5	76.5	111.0	179.4	287.5	463.9	614.6	623.4	591.1	424.9
92.5°	44.8	46.3	57.3	78.7	123.5	196.3	309.5	411.7	403.6	380.8	263.9
95°	32.3	33.1	41.2	55.9	86.8	131.6	197.0	258.1	232.3	222.8	160.3
97.5°	26.5	27.2	33.1	43.4	64.0	92.6	127.2	153.7	136.7	130.9	102.9
100°	22.8	22.8	27.9	36.0	50.0	69.1	84.5	96.3	88.2	85.3	72.8
102.5°	20.6	20.6	24.3	30.1	41.2	54.4	62.5	66.2	61.8	59.6	53.7
105°	18.4	18.4	21.3	25.7	34.6	44.1	47.8	48.5	44.1	43.4	41.2
107.5°	16.9	16.9	19.1	22.8	29.4	36.8	38.2	36.0	33.8	32.3	32.3
110°	14.7	15.4	16.9	19.9	25.7	30.9	30.9	27.9	25.0	25.0	25.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	14.0	14.0	15.4	18.4	22.8	26.5	25.0	22.1	19.9	19.9	21.3
115°	12.5	12.5	14.0	16.9	20.6	22.8	21.3	18.4	16.2	16.9	18.4
117.5°	11.8	11.8	13.2	15.4	18.4	19.9	18.4	15.4	14.0	14.7	16.9
120°	11.8	11.8	13.2	14.7	16.9	17.6	16.2	13.2	12.5	12.5	14.7
122.5°	11.8	11.8	12.5	14.7	16.2	16.2	14.0	11.8	11.0	11.0	13.2
125°	11.8	11.8	13.2	14.7	14.7	14.7	12.5	10.3	9.6	10.3	11.8
127.5°	12.5	12.5	13.2	14.0	14.0	13.2	11.0	9.6	8.8	9.6	11.0
130°	12.5	12.5	13.2	14.0	13.2	11.8	10.3	8.8	8.8	8.8	11.0
132.5°	12.5	12.5	13.2	13.2	12.5	10.3	8.8	7.4	8.1	8.8	10.3
135°	11.8	11.8	11.8	11.8	11.0	9.6	7.4	6.6	7.4	8.1	9.6
137.5°	11.0	11.0	11.0	11.0	9.6	8.1	5.9	5.1	6.6	6.6	8.1
140°	9.6	9.6	10.3	9.6	8.8	6.6	5.1	3.7	5.1	5.1	6.6
142.5°	8.8	8.8	8.8	8.8	7.4	5.9	3.7	3.7	4.4	4.4	5.1
145°	7.4	7.4	8.1	7.4	5.9	4.4	2.9	2.9	3.7	3.7	4.4
147.5°	5.9	6.6	6.6	5.9	5.1	3.7	2.2	2.2	2.9	2.9	3.7
150°	5.1	5.1	5.1	5.1	3.7	2.2	1.5	2.2	2.9	2.9	2.9
152.5°	3.7	3.7	4.4	4.4	2.9	1.5	1.5	2.2	2.2	2.2	2.9
155°	2.9	2.9	3.7	2.9	2.2	0.7	1.5	1.5	2.2	2.2	2.2
157.5°	1.5	1.5	2.2	2.2	1.5	0.7	0.7	1.5	1.5	1.5	2.2
160°	0.7	0.7	2.2	2.2	1.5	0.7	0.7	0.7	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°	161.0	161.0	161.0	161.0	161.0	161.0	161.0	161.0	161.0	161.0	161.0
2.5°	161.0	159.5	158.8	157.3	155.9	154.4	154.4	154.4	153.7	152.9	153.7
5°	163.9	163.2	159.5	156.6	153.7	152.2	150.7	150.0	150.0	148.5	148.5
7.5°	172.0	169.1	163.9	158.8	155.9	152.9	150.7	150.0	149.2	147.8	147.8
10°	184.5	180.9	175.0	166.9	161.7	156.6	154.4	154.4	153.7	152.9	152.9
12.5°	208.1	203.7	193.4	182.3	172.0	164.7	163.2	165.4	169.8	170.6	170.6
15°	242.6	237.5	224.2	206.6	190.4	180.1	181.6	187.5	193.4	195.6	195.6
17.5°	285.3	279.4	260.3	234.5	213.2	203.7	202.9	211.0	219.1	223.5	223.5
20°	342.6	333.0	308.0	271.3	241.9	230.9	226.4	233.8	246.3	251.4	250.0
22.5°	413.9	402.9	367.6	311.7	275.0	255.1	249.2	257.3	272.8	279.4	278.6
25°	508.0	497.0	439.6	362.5	307.3	276.4	272.8	284.5	307.3	320.5	319.1
27.5°	617.6	599.2	522.7	419.1	338.9	294.1	294.8	314.7	338.2	352.9	351.4
30°	734.5	710.9	606.5	473.5	368.3	313.9	312.5	336.0	360.2	375.7	375.7
32.5°	888.9	854.3	703.6	525.7	391.1	329.4	324.2	350.7	375.7	391.9	391.1
35°	1054.3	1008.0	805.0	580.8	410.2	337.5	331.6	358.8	384.5	403.6	403.6
37.5°	1244.0	1165.3	899.9	619.0	423.5	341.9	333.8	364.7	396.3	416.1	414.7
40°	1343.9	1255.7	945.5	635.9	425.7	342.6	337.5	369.8	396.3	403.6	399.9
42.5°	1455.7	1341.7	964.6	615.4	417.6	341.1	339.7	364.7	376.4	374.2	372.0
45°	1596.9	1443.2	983.0	589.6	398.5	338.9	336.0	350.7	351.4	342.6	339.7
47.5°	1777.0	1582.9	1013.1	558.8	379.4	333.8	330.1	336.7	324.2	308.0	302.9
50°	1970.3	1744.6	1050.6	532.3	361.7	327.2	323.5	321.3	308.8	292.6	289.7
52.5°	2138.7	1854.2	1060.9	504.3	350.0	322.8	318.3	316.1	304.4	286.0	282.3
55°	2289.4	1947.5	1024.9	462.4	340.4	319.8	318.3	318.3	305.8	286.7	283.1
57.5°	2587.2	2171.0	1038.1	419.8	327.9	319.1	321.3	322.0	310.3	291.9	288.2
60°	2596.0	2128.4	960.9	389.7	316.9	319.1	324.2	325.7	317.6	305.1	302.9
62.5°	2680.5	2129.9	857.2	350.7	309.5	317.6	326.4	331.6	332.3	325.0	323.5
65°	2711.4	2099.0	782.3	319.8	299.2	313.9	327.2	339.7	344.1	340.4	338.9
67.5°	2593.1	1957.1	680.1	299.2	288.9	308.0	326.4	341.9	351.4	353.6	353.6
70°	2437.2	1797.6	588.9	279.4	277.9	300.0	321.3	341.9	355.1	361.0	361.0
72.5°	2041.7	1476.3	486.0	258.8	263.2	287.5	310.3	335.3	350.0	355.1	352.9
75°	1707.9	1215.3	399.9	241.1	248.5	272.0	294.8	319.1	329.4	332.3	330.1
77.5°	1444.7	1010.9	328.6	225.0	230.9	252.2	272.8	289.7	296.3	294.8	291.1
80°	1164.6	788.9	269.8	205.1	211.0	227.9	242.6	255.8	262.5	258.8	256.6
82.5°	927.1	627.1	230.1	187.5	189.7	203.7	213.9	224.2	235.3	232.3	226.4
85°	685.9	461.7	195.6	168.4	168.4	178.7	183.8	193.4	208.8	208.1	205.9
87.5°	469.1	328.6	166.2	149.2	148.5	154.4	157.3	167.6	187.5	188.2	186.0
90°	308.8	225.0	139.0	129.4	127.9	132.3	134.5	143.4	159.5	161.0	158.1
92.5°	200.7	155.9	114.0	109.5	108.8	112.5	111.8	117.6	128.7	127.9	125.7
95°	128.7	108.8	92.6	90.4	88.2	92.6	91.2	92.6	98.5	97.0	97.0
97.5°	89.0	83.1	76.5	72.8	71.3	75.7	74.3	74.3	77.2	74.3	72.8
100°	68.4	66.2	63.2	60.3	57.3	61.0	61.0	61.0	63.2	58.8	57.3
102.5°	52.9	52.2	52.2	50.0	47.8	50.7	51.5	52.2	51.5	47.1	46.3
105°	41.9	41.9	43.4	41.2	40.4	42.6	43.4	42.6	42.6	39.0	39.0
107.5°	33.1	34.6	36.0	34.6	34.6	36.0	36.0	36.0	34.6	32.3	33.1
110°	27.2	28.7	30.9	29.4	29.4	30.9	30.1	29.4	28.7	27.9	27.9



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CATALOG NUMBER: LXF.LXT-PA1-80-827-U-T3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	23.5	24.3	25.7	25.0	25.7	26.5	25.7	24.3	24.3	24.3	25.0
115°	19.9	21.3	22.8	22.1	22.1	22.8	21.3	20.6	20.6	21.3	21.3
117.5°	17.6	19.1	19.9	19.9	19.1	19.9	18.4	17.6	18.4	19.1	19.1
120°	16.2	16.9	17.6	17.6	16.9	16.9	16.2	15.4	16.2	16.9	17.6
122.5°	14.7	15.4	15.4	16.2	15.4	14.7	14.0	14.0	14.7	15.4	15.4
125°	13.2	14.0	14.0	14.0	14.0	13.2	12.5	12.5	13.2	14.0	14.7
127.5°	11.8	12.5	12.5	13.2	12.5	11.8	11.0	11.8	12.5	13.2	13.2
130°	11.8	11.8	11.8	11.8	11.0	10.3	10.3	10.3	11.8	12.5	12.5
132.5°	11.0	11.8	11.0	11.0	10.3	8.8	8.8	9.6	11.0	11.8	11.8
135°	10.3	10.3	9.6	9.6	8.8	8.1	7.4	8.8	9.6	10.3	10.3
137.5°	8.8	8.8	8.1	7.4	7.4	6.6	6.6	7.4	8.8	9.6	9.6
140°	6.6	7.4	6.6	5.9	5.9	5.1	5.9	6.6	8.1	8.1	8.1
142.5°	5.1	5.9	5.1	4.4	4.4	4.4	4.4	5.9	7.4	7.4	7.4
145°	4.4	4.4	4.4	3.7	2.9	2.9	3.7	5.1	6.6	6.6	6.6
147.5°	3.7	3.7	3.7	2.9	2.2	2.2	2.9	4.4	5.1	5.1	5.1
150°	2.9	2.9	2.9	2.9	2.2	1.5	2.2	3.7	4.4	4.4	4.4
152.5°	2.9	2.9	2.9	2.2	1.5	0.7	1.5	2.9	3.7	3.7	3.7
155°	2.2	2.2	2.2	2.2	1.5	0.7	0.7	2.2	2.9	2.9	2.9
157.5°	2.2	2.2	2.2	1.5	0.7	0.0	0.7	2.2	2.9	2.2	2.2
160°	1.5	1.5	1.5	1.5	0.7	0.0	0.7	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)