

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: P416978

Luminaire Tested: **LXF.LXT-PA1-80-830-U-T3-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416978
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-PA1-80-830-U-T3-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 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: 6913 lumens
Efficiency: N/A
Efficacy: 83.3 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

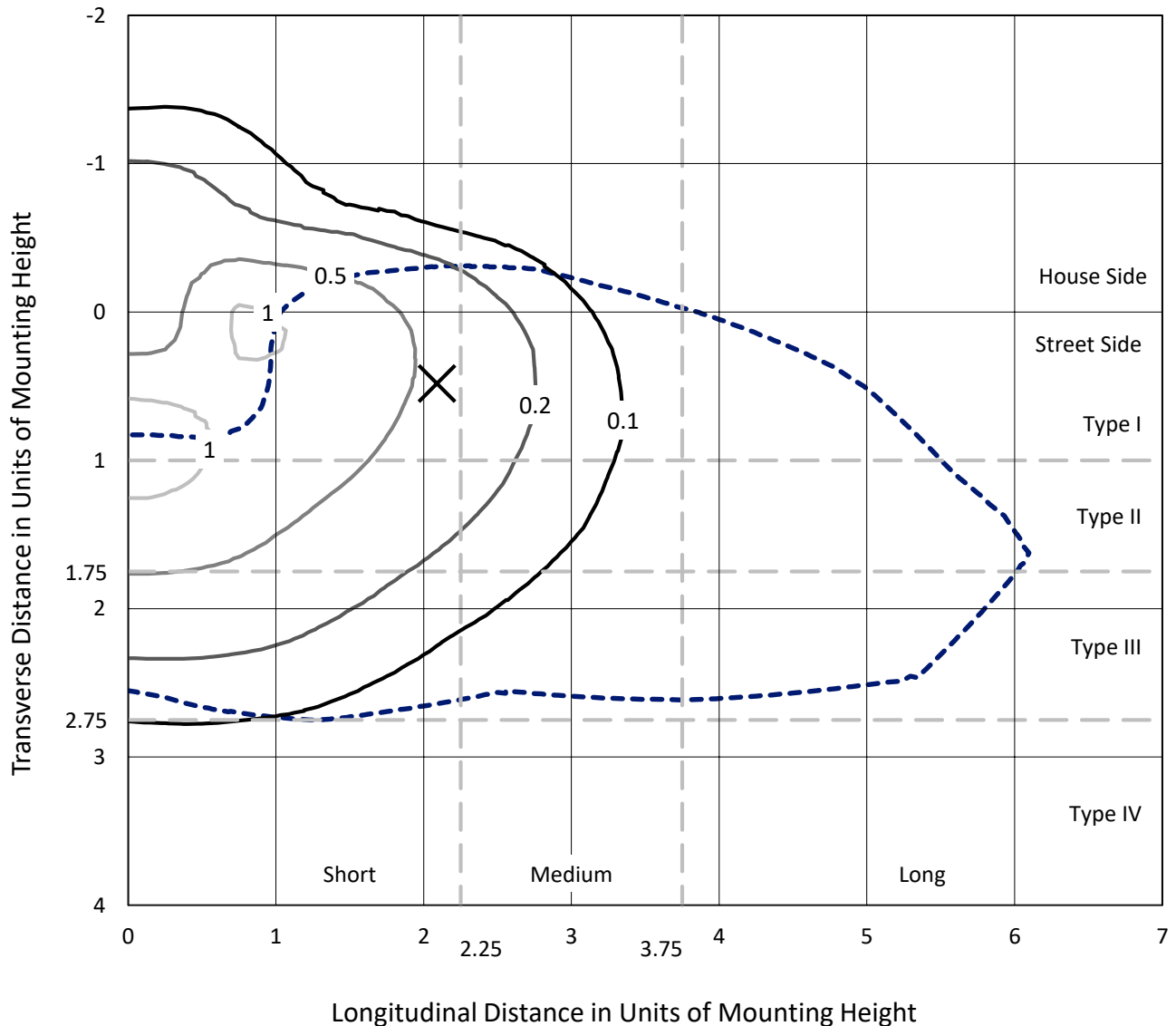
Input Watts (W): 83
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

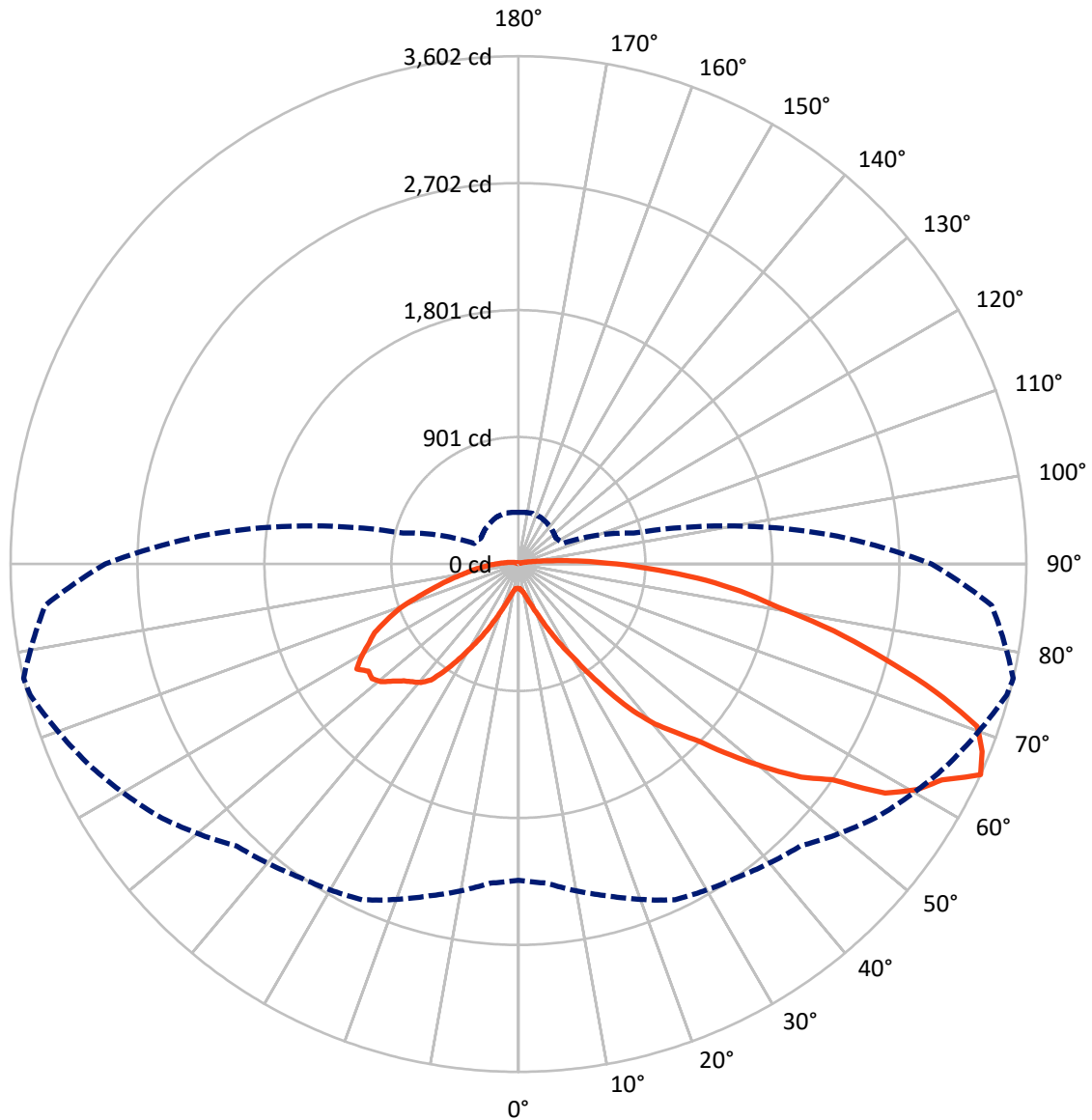


Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type III - Short - Non-Cutoff

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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	1523.3	108.3	1631.6
	% Fixture	22.0	1.6	23.6
Street Side	Lumens	5145.9	135.4	5281.4
	% Fixture	74.4	2.0	76.4
Total	Lumens	6669.2	243.8	6913.0
	% Fixture	96.5	3.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.8	0.3
10°-20°	75.7	1.1
20°-30°	221.9	3.2
30°-40°	531.1	7.7
40°-50°	956.4	13.8
50°-60°	1454.8	21.0
60°-70°	1716.1	24.8
70°-80°	1182.6	17.1
80°-90°	512.8	7.4
90°-100°	149.7	2.2
100°-110°	46.9	0.7
110°-120°	21.9	0.3
120°-130°	12.9	0.2
130°-140°	7.9	0.1
140°-150°	3.4	0.0
150°-160°	1.1	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6669.2	96.5
0°-180°	6913.0	100.0



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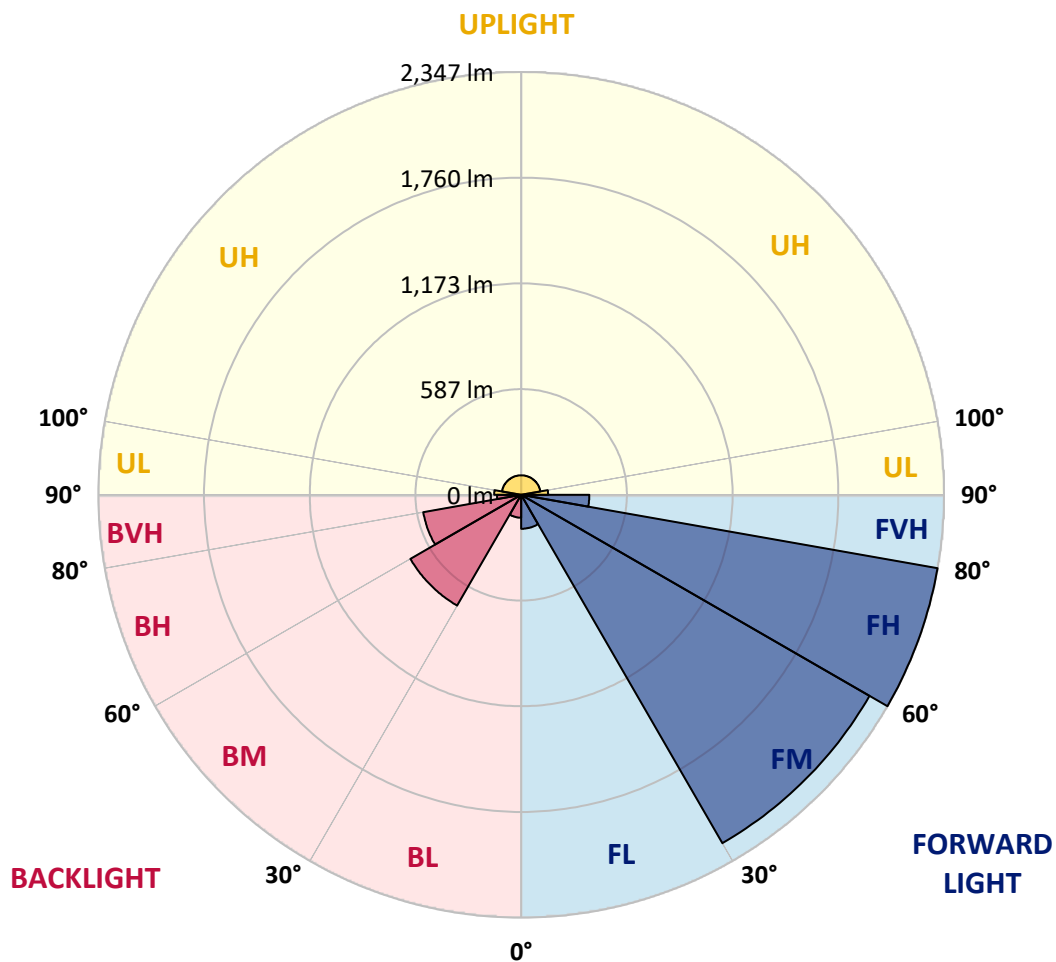
CATALOG NUMBER: LXF.LXT-PA1-80-830-U-T3-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	188.4	2.7			
FM	(30°-60°)	2232.4	32.3			
FH	(60°-80°)	2346.8	33.9			G2/5000
FVH	(80°-90°)	378.3	5.5			G3/500
BL	(0°-30°)	127.0	1.8	B1/500		
BM	(30°-60°)	710.0	10.3	B1/1000		
BH	(60°-80°)	551.9	8.0	B2/1000		G2/1000
BVH	(80°-90°)	134.4	1.9			G2/225
UL	(90°-100°)	149.7	2.2		U3/500	
UH	(100°-180°)	108.3	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°	174.0	174.0	174.0	174.0	174.0	174.0	174.0	174.0	174.0	174.0	174.0
2.5°	186.7	185.9	185.9	186.7	185.1	183.6	181.2	178.8	176.4	176.4	174.8
5°	201.8	201.0	201.0	201.0	197.9	195.5	189.9	186.7	183.6	182.0	179.6
7.5°	221.7	219.3	220.1	219.3	214.5	209.8	204.2	197.9	193.9	193.1	188.3
10°	247.9	246.3	244.7	241.6	236.8	228.9	220.9	215.3	209.8	209.0	203.4
12.5°	285.3	283.7	280.5	273.4	263.0	253.5	245.5	239.2	236.0	234.4	228.9
15°	330.6	325.8	324.2	313.1	298.8	287.7	278.9	274.9	271.8	271.8	264.6
17.5°	383.8	383.8	375.9	360.8	342.5	329.0	320.2	313.1	315.5	314.7	310.7
20°	449.8	448.2	436.3	416.4	394.1	381.4	370.3	366.3	369.5	372.7	372.7
22.5°	545.1	541.1	522.9	492.7	460.1	439.4	431.5	430.7	443.4	447.4	452.1
25°	652.4	646.8	623.8	587.2	546.7	514.9	503.8	512.5	535.6	544.3	553.9
27.5°	781.9	778.7	743.8	693.7	645.2	603.9	591.2	618.2	649.2	652.4	671.5
30°	948.8	950.4	902.7	830.4	747.7	704.8	690.5	723.1	769.2	772.4	810.5
32.5°	1141.9	1141.9	1070.4	983.0	876.5	816.1	802.6	855.0	927.3	938.5	975.0
35°	1388.2	1373.9	1282.5	1157.0	1023.5	933.7	932.1	1013.9	1113.3	1124.4	1164.1
37.5°	1609.1	1617.9	1524.9	1361.2	1180.8	1077.5	1091.0	1195.1	1320.7	1323.9	1366.8
40°	1848.3	1857.8	1748.2	1577.3	1355.6	1239.6	1266.6	1363.6	1488.3	1490.7	1505.8
42.5°	2035.8	2060.5	1958.0	1780.0	1555.9	1424.0	1430.3	1520.9	1617.1	1629.0	1639.3
45°	2147.9	2166.2	2109.7	1967.5	1732.3	1608.3	1593.2	1667.1	1792.7	1789.5	1804.6
47.5°	2324.3	2345.7	2259.1	2129.6	1930.9	1777.6	1758.5	1854.7	2008.8	2024.7	2010.4
50°	2507.1	2535.7	2472.9	2321.9	2116.9	1967.5	1969.9	2079.5	2259.1	2264.7	2273.4
52.5°	2635.0	2655.6	2631.0	2526.1	2308.4	2172.5	2194.0	2325.1	2501.5	2511.8	2476.9
55°	2654.9	2686.6	2706.5	2682.7	2518.2	2383.9	2438.7	2569.8	2689.0	2697.8	2670.7
57.5°	2648.5	2674.7	2716.8	2735.1	2652.5	2601.6	2672.3	2806.6	3036.3	3065.7	3052.2
60°	2641.3	2660.4	2747.8	2774.8	2728.0	2768.5	2881.3	3120.5	3246.8	3249.2	3126.1
62.5°	2442.7	2474.5	2639.0	2774.8	2762.1	2839.2	3086.3	3252.4	3352.5	3370.8	3253.2
65°	2243.2	2271.0	2436.3	2627.0	2711.3	2827.3	3118.1	3362.9	3585.4	3602.0	3369.2
67.5°	1954.8	1998.5	2178.9	2408.5	2511.8	2697.0	3034.7	3401.8	3540.1	3547.2	3281.0
70°	1592.4	1652.0	1855.5	2097.8	2221.8	2409.3	2847.9	3262.7	3455.8	3451.9	3134.8
72.5°	1147.4	1200.7	1386.6	1674.3	1868.2	2073.2	2506.3	2986.2	3095.9	3091.9	2666.8
75°	779.5	808.1	948.0	1211.0	1489.9	1730.7	2159.0	2590.5	2683.5	2676.3	2284.6
77.5°	510.9	543.5	634.1	859.0	1118.8	1396.2	1812.5	2168.5	2314.8	2288.5	1936.5
80°	313.1	331.4	406.1	580.1	847.9	1126.8	1498.7	1834.8	1910.3	1872.1	1581.3
82.5°	195.5	209.8	263.0	383.0	608.7	870.1	1229.3	1544.8	1629.0	1586.1	1300.8
85°	120.0	127.1	163.7	251.9	413.2	639.7	988.5	1253.1	1304.8	1273.8	980.6
87.5°	87.4	89.0	112.0	170.1	278.9	457.7	727.9	944.0	981.4	924.2	687.4
90°	64.4	67.5	82.6	120.0	193.9	310.7	501.4	664.3	673.8	638.9	459.3
92.5°	48.5	50.1	62.0	85.0	133.5	212.2	334.5	445.0	436.3	411.6	285.3
95°	35.0	35.8	44.5	60.4	93.8	142.2	213.0	278.9	251.1	240.8	173.2
97.5°	28.6	29.4	35.8	46.9	69.1	100.1	137.5	166.1	147.8	141.4	111.2
100°	24.6	24.6	30.2	38.9	54.0	74.7	91.4	104.1	95.4	92.2	78.7
102.5°	22.2	22.2	26.2	32.6	44.5	58.8	67.5	71.5	66.7	64.4	58.0
105°	19.9	19.9	23.0	27.8	37.3	47.7	51.7	52.4	47.7	46.9	44.5
107.5°	18.3	18.3	20.7	24.6	31.8	39.7	41.3	38.9	36.6	35.0	35.0
110°	15.9	16.7	18.3	21.5	27.8	33.4	33.4	30.2	27.0	27.0	27.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	15.1	15.1	16.7	19.9	24.6	28.6	27.0	23.8	21.5	21.5	23.0
115°	13.5	13.5	15.1	18.3	22.2	24.6	23.0	19.9	17.5	18.3	19.9
117.5°	12.7	12.7	14.3	16.7	19.9	21.5	19.9	16.7	15.1	15.9	18.3
120°	12.7	12.7	14.3	15.9	18.3	19.1	17.5	14.3	13.5	13.5	15.9
122.5°	12.7	12.7	13.5	15.9	17.5	17.5	15.1	12.7	11.9	11.9	14.3
125°	12.7	12.7	14.3	15.9	15.9	15.9	13.5	11.1	10.3	11.1	12.7
127.5°	13.5	13.5	14.3	15.1	15.1	14.3	11.9	10.3	9.5	10.3	11.9
130°	13.5	13.5	14.3	15.1	14.3	12.7	11.1	9.5	9.5	9.5	11.9
132.5°	13.5	13.5	14.3	14.3	13.5	11.1	9.5	7.9	8.7	9.5	11.1
135°	12.7	12.7	12.7	12.7	11.9	10.3	7.9	7.2	7.9	8.7	10.3
137.5°	11.9	11.9	11.9	11.9	10.3	8.7	6.4	5.6	7.2	7.2	8.7
140°	10.3	10.3	11.1	10.3	9.5	7.2	5.6	4.0	5.6	5.6	7.2
142.5°	9.5	9.5	9.5	9.5	7.9	6.4	4.0	4.0	4.8	4.8	5.6
145°	7.9	7.9	8.7	7.9	6.4	4.8	3.2	3.2	4.0	4.0	4.8
147.5°	6.4	7.2	7.2	6.4	5.6	4.0	2.4	2.4	3.2	3.2	4.0
150°	5.6	5.6	5.6	5.6	4.0	2.4	1.6	2.4	3.2	3.2	3.2
152.5°	4.0	4.0	4.8	4.8	3.2	1.6	1.6	2.4	2.4	2.4	3.2
155°	3.2	3.2	4.0	3.2	2.4	0.8	1.6	1.6	2.4	2.4	2.4
157.5°	1.6	1.6	2.4	2.4	1.6	0.8	0.8	1.6	1.6	1.6	2.4
160°	0.8	0.8	2.4	2.4	1.6	0.8	0.8	0.8	1.6	1.6	1.6
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°	174.0	174.0	174.0	174.0	174.0	174.0	174.0	174.0	174.0	174.0	174.0
2.5°	174.0	172.4	171.6	170.1	168.5	166.9	166.9	166.9	166.1	165.3	166.1
5°	177.2	176.4	172.4	169.3	166.1	164.5	162.9	162.1	162.1	160.5	160.5
7.5°	185.9	182.8	177.2	171.6	168.5	165.3	162.9	162.1	161.3	159.7	159.7
10°	199.5	195.5	189.1	180.4	174.8	169.3	166.9	166.9	166.1	165.3	165.3
12.5°	224.9	220.1	209.0	197.1	185.9	178.0	176.4	178.8	183.6	184.4	184.4
15°	262.2	256.7	242.4	223.3	205.8	194.7	196.3	202.6	209.0	211.4	211.4
17.5°	308.3	302.0	281.3	253.5	230.4	220.1	219.3	228.1	236.8	241.6	241.6
20°	370.3	360.0	332.9	293.2	261.4	249.5	244.7	252.7	266.2	271.8	270.2
22.5°	447.4	435.5	397.3	336.9	297.2	275.7	269.4	278.1	294.8	302.0	301.2
25°	549.1	537.2	475.2	391.8	332.2	298.8	294.8	307.5	332.2	346.5	344.9
27.5°	667.5	647.6	565.0	452.9	366.3	317.9	318.6	340.1	365.5	381.4	379.8
30°	793.8	768.4	655.6	511.7	398.1	339.3	337.7	363.1	389.4	406.1	406.1
32.5°	960.7	923.4	760.5	568.2	422.7	356.0	350.4	379.0	406.1	423.5	422.7
35°	1139.5	1089.4	870.1	627.8	443.4	364.7	358.4	387.8	415.6	436.3	436.3
37.5°	1344.5	1259.5	972.6	669.1	457.7	369.5	360.8	394.1	428.3	449.8	448.2
40°	1452.6	1357.2	1021.9	687.4	460.1	370.3	364.7	399.7	428.3	436.3	432.3
42.5°	1573.4	1450.2	1042.6	665.1	451.3	368.7	367.1	394.1	406.8	404.5	402.1
45°	1725.9	1559.9	1062.4	637.3	430.7	366.3	363.1	379.0	379.8	370.3	367.1
47.5°	1920.6	1710.8	1095.0	603.9	410.0	360.8	356.8	363.9	350.4	332.9	327.4
50°	2129.6	1885.7	1135.5	575.3	391.0	353.6	349.6	347.3	333.7	316.3	313.1
52.5°	2311.6	2004.1	1146.6	545.1	378.2	348.8	344.1	341.7	329.0	309.1	305.1
55°	2474.5	2105.0	1107.7	499.8	367.9	345.7	344.1	344.1	330.6	309.9	305.9
57.5°	2796.3	2346.5	1122.0	453.7	354.4	344.9	347.3	348.0	335.3	315.5	311.5
60°	2805.8	2300.4	1038.6	421.2	342.5	344.9	350.4	352.0	343.3	329.8	327.4
62.5°	2897.2	2302.0	926.5	379.0	334.5	343.3	352.8	358.4	359.2	351.2	349.6
65°	2930.6	2268.7	845.5	345.7	323.4	339.3	353.6	367.1	371.9	367.9	366.3
67.5°	2802.7	2115.3	735.0	323.4	312.3	332.9	352.8	369.5	379.8	382.2	382.2
70°	2634.2	1942.9	636.5	302.0	300.4	324.2	347.3	369.5	383.8	390.2	390.2
72.5°	2206.7	1595.6	525.2	279.7	284.5	310.7	335.3	362.4	378.2	383.8	381.4
75°	1845.9	1313.5	432.3	260.6	268.6	294.0	318.6	344.9	356.0	359.2	356.8
77.5°	1561.4	1092.6	355.2	243.2	249.5	272.6	294.8	313.1	320.2	318.6	314.7
80°	1258.7	852.6	291.6	221.7	228.1	246.3	262.2	276.5	283.7	279.7	277.3
82.5°	1002.0	677.8	248.7	202.6	205.0	220.1	231.2	242.4	254.3	251.1	244.7
85°	741.4	499.0	211.4	182.0	182.0	193.1	198.7	209.0	225.7	224.9	222.5
87.5°	507.0	355.2	179.6	161.3	160.5	166.9	170.1	181.2	202.6	203.4	201.0
90°	333.7	243.2	150.2	139.9	138.3	143.0	145.4	155.0	172.4	174.0	170.8
92.5°	216.9	168.5	123.2	118.4	117.6	121.6	120.8	127.1	139.1	138.3	135.9
95°	139.1	117.6	100.1	97.7	95.4	100.1	98.5	100.1	106.5	104.9	104.9
97.5°	96.1	89.8	82.6	78.7	77.1	81.8	80.3	80.3	83.4	80.3	78.7
100°	73.9	71.5	68.3	65.2	62.0	66.0	66.0	66.0	68.3	63.6	62.0
102.5°	57.2	56.4	56.4	54.0	51.7	54.8	55.6	56.4	55.6	50.9	50.1
105°	45.3	45.3	46.9	44.5	43.7	46.1	46.9	46.1	46.1	42.1	42.1
107.5°	35.8	37.3	38.9	37.3	37.3	38.9	38.9	38.9	37.3	35.0	35.8
110°	29.4	31.0	33.4	31.8	31.8	33.4	32.6	31.8	31.0	30.2	30.2



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CATALOG NUMBER: LXF.LXT-PA1-80-830-U-T3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	25.4	26.2	27.8	27.0	27.8	28.6	27.8	26.2	26.2	26.2	27.0
115°	21.5	23.0	24.6	23.8	23.8	24.6	23.0	22.2	22.2	23.0	23.0
117.5°	19.1	20.7	21.5	21.5	20.7	21.5	19.9	19.1	19.9	20.7	20.7
120°	17.5	18.3	19.1	19.1	18.3	18.3	17.5	16.7	17.5	18.3	19.1
122.5°	15.9	16.7	16.7	17.5	16.7	15.9	15.1	15.1	15.9	16.7	16.7
125°	14.3	15.1	15.1	15.1	15.1	14.3	13.5	13.5	14.3	15.1	15.9
127.5°	12.7	13.5	13.5	14.3	13.5	12.7	11.9	12.7	13.5	14.3	14.3
130°	12.7	12.7	12.7	12.7	11.9	11.1	11.1	11.1	12.7	13.5	13.5
132.5°	11.9	12.7	11.9	11.9	11.1	9.5	9.5	10.3	11.9	12.7	12.7
135°	11.1	11.1	10.3	10.3	9.5	8.7	7.9	9.5	10.3	11.1	11.1
137.5°	9.5	9.5	8.7	7.9	7.9	7.2	7.2	7.9	9.5	10.3	10.3
140°	7.2	7.9	7.2	6.4	6.4	5.6	6.4	7.2	8.7	8.7	8.7
142.5°	5.6	6.4	5.6	4.8	4.8	4.8	4.8	6.4	7.9	7.9	7.9
145°	4.8	4.8	4.8	4.0	3.2	3.2	4.0	5.6	7.2	7.2	7.2
147.5°	4.0	4.0	4.0	3.2	2.4	2.4	3.2	4.8	5.6	5.6	5.6
150°	3.2	3.2	3.2	3.2	2.4	1.6	2.4	4.0	4.8	4.8	4.8
152.5°	3.2	3.2	3.2	2.4	1.6	0.8	1.6	3.2	4.0	4.0	4.0
155°	2.4	2.4	2.4	2.4	1.6	0.8	0.8	2.4	3.2	3.2	3.2
157.5°	2.4	2.4	2.4	1.6	0.8	0.0	0.8	2.4	3.2	2.4	2.4
160°	1.6	1.6	1.6	1.6	0.8	0.0	0.8	1.6	2.4	1.6	1.6
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)