

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: P416568

Luminaire Tested: **LXF.LXT-PA1-70-830-U-T3-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416568
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-22)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-70-830-U-T3-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6328 lumens
Efficiency: N/A
Efficacy: 85.5 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: B2 - U3 - G3

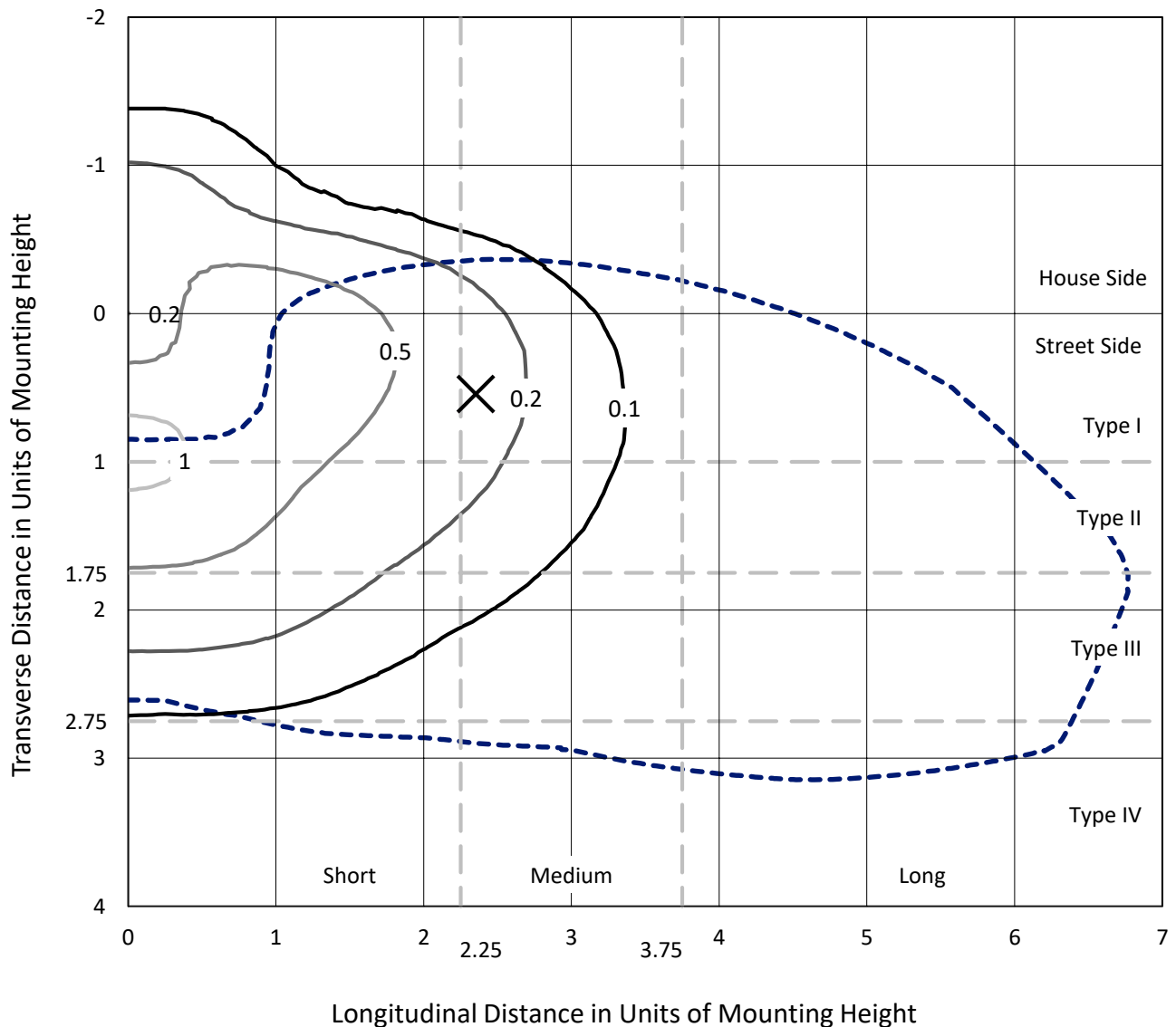
Input Watts (W): 74
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

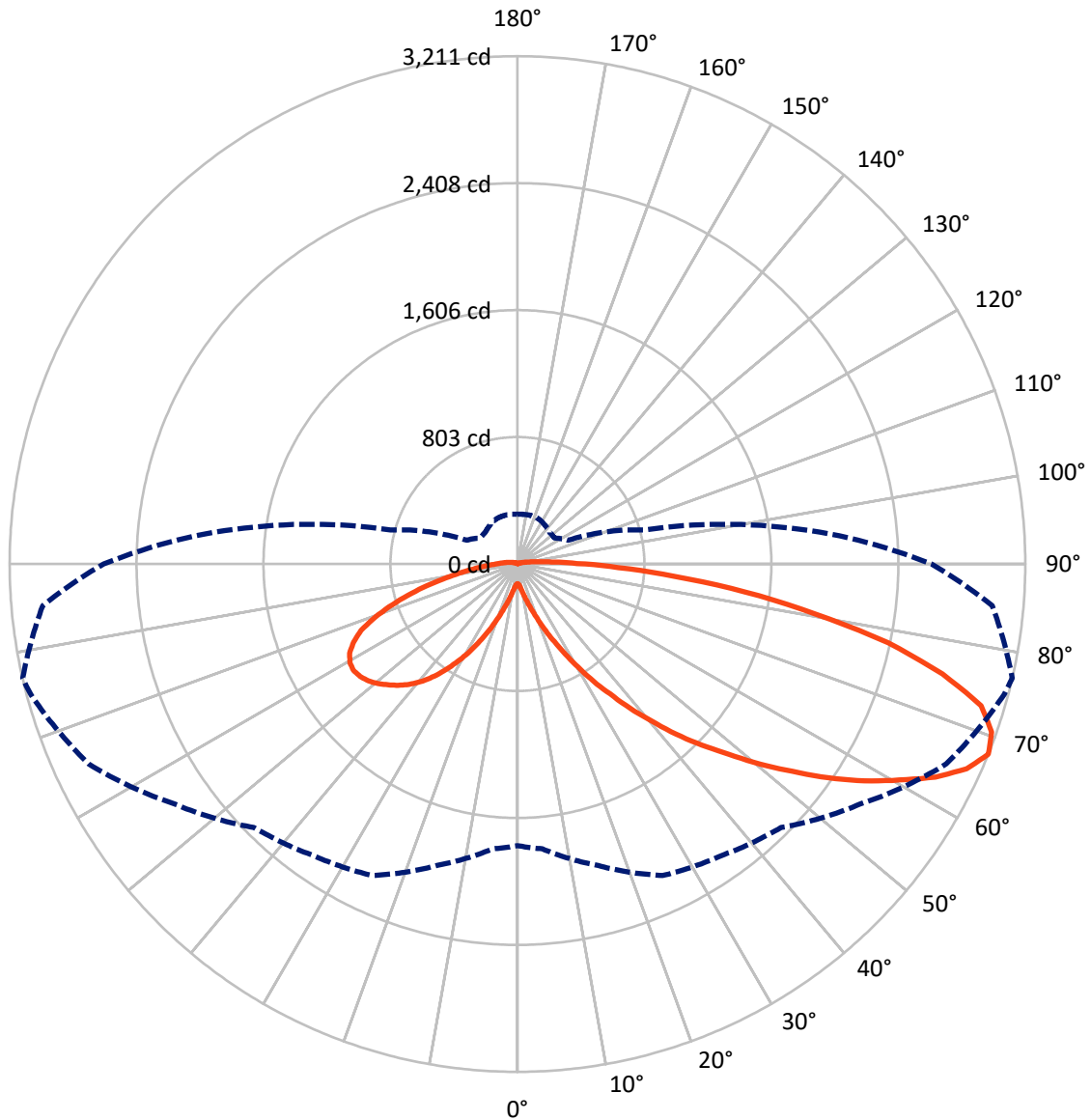
× Max cd
 - - - 1/2 Max cd



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 77-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1443.7	95.1	1538.7
	% Fixture	22.8	1.5	24.3
Street Side	Lumens	4683.4	105.9	4789.3
	% Fixture	74.0	1.7	75.7
Total	Lumens	6127.0	200.9	6328.0
	% Fixture	96.8	3.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.4	0.2
10°-20°	73.4	1.2
20°-30°	219.3	3.5
30°-40°	485.7	7.7
40°-50°	869.7	13.7
50°-60°	1302.6	20.6
60°-70°	1535.4	24.3
70°-80°	1172.2	18.5
80°-90°	454.4	7.2
90°-100°	115.8	1.8
100°-110°	43.8	0.7
110°-120°	20.6	0.3
120°-130°	11.0	0.2
130°-140°	6.1	0.1
140°-150°	2.7	0.0
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6127.0	96.8
0°-180°	6328.0	100.0



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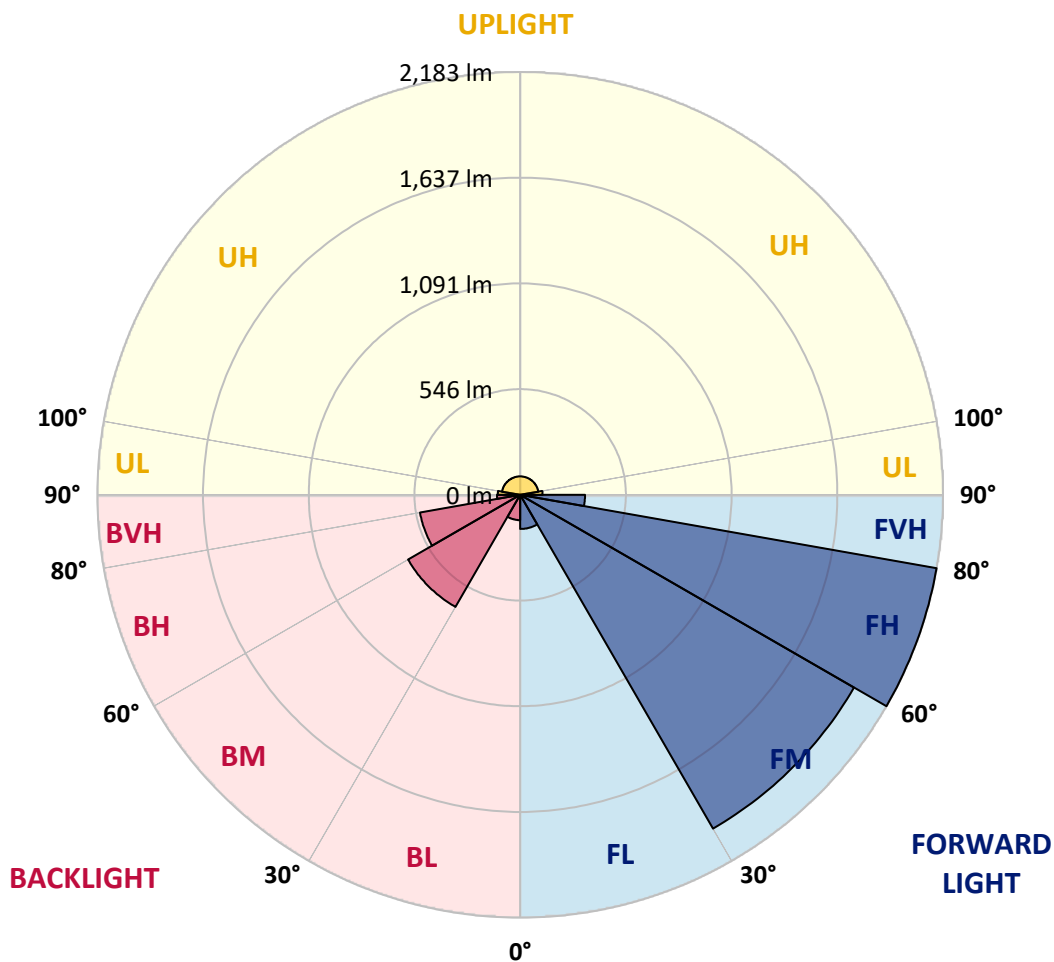
CATALOG NUMBER: LXF.LXT-PA1-70-830-U-T3-TL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	176.4	2.8			
FM	(30°-60°)	1989.7	31.4			
FH	(60°-80°)	2182.6	34.5			G2/5000
FVH	(80°-90°)	334.7	5.3			G3/500
BL	(0°-30°)	130.7	2.1	B1/500		
BM	(30°-60°)	668.3	10.6	B1/1000		
BH	(60°-80°)	525.0	8.3	B2/1000		G2/1000
BVH	(80°-90°)	119.7	1.9			G2/225
UL	(90°-100°)	115.8	1.8		U3/500	
UH	(100°-180°)	95.1	1.5		U3/500	

BUG Rating: B2-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	124.3	124.3	124.3	124.3	124.3	124.3	124.3	124.3	124.3	124.3	124.3
2.5°	131.6	130.9	131.6	131.6	132.3	130.9	129.4	128.7	128.0	128.0	127.2
5°	145.4	143.9	144.7	145.4	144.7	143.2	141.0	140.3	138.9	138.9	137.4
7.5°	165.0	165.0	164.3	162.8	164.3	162.1	160.7	159.9	157.8	157.0	156.3
10°	194.8	193.4	192.7	191.2	189.7	189.0	186.1	186.1	182.5	183.9	181.7
12.5°	233.4	230.5	231.2	228.3	223.9	221.0	219.6	218.8	218.8	218.8	218.1
15°	279.9	277.7	277.0	270.4	266.1	262.4	259.5	260.3	263.9	264.6	261.7
17.5°	333.0	336.6	330.1	324.2	317.7	310.4	310.4	310.4	313.3	315.5	314.1
20°	407.1	399.8	392.6	383.1	372.2	366.4	363.5	372.2	377.3	380.9	379.5
22.5°	488.5	481.3	473.3	458.0	442.7	431.8	431.8	442.7	454.4	458.7	460.2
25°	580.9	585.2	565.6	542.3	514.7	505.3	506.7	522.7	540.2	543.8	552.5
27.5°	695.0	695.0	678.3	641.2	604.9	586.0	587.4	613.6	639.8	644.8	651.4
30°	833.9	828.8	806.2	756.8	708.8	673.2	679.7	711.7	753.2	757.5	765.5
32.5°	988.7	988.0	944.4	883.3	814.2	772.1	775.0	821.5	873.1	885.5	894.2
35°	1160.3	1164.6	1107.9	1019.2	939.3	882.6	892.0	945.1	1005.4	1008.3	1019.2
37.5°	1356.6	1354.4	1286.8	1190.1	1070.9	1010.5	1003.3	1075.2	1138.5	1157.4	1151.6
40°	1573.9	1550.7	1485.3	1365.3	1218.4	1137.7	1139.2	1213.4	1299.1	1305.0	1303.5
42.5°	1788.4	1778.2	1699.0	1536.9	1379.8	1284.6	1288.2	1359.5	1448.2	1470.7	1454.7
45°	2019.6	1994.2	1908.4	1741.2	1550.0	1446.7	1437.3	1517.2	1614.7	1632.1	1616.8
47.5°	2206.4	2190.4	2114.8	1936.7	1732.4	1600.1	1585.6	1683.7	1795.0	1796.4	1773.9
50°	2361.3	2353.3	2293.7	2135.9	1909.1	1771.7	1756.4	1853.8	1970.2	1989.1	1956.3
52.5°	2495.1	2482.0	2452.2	2296.6	2069.8	1918.5	1916.4	2023.2	2168.6	2177.4	2146.1
55°	2537.9	2545.9	2541.6	2431.8	2227.5	2063.9	2082.1	2226.1	2356.2	2386.7	2327.8
57.5°	2531.4	2531.4	2572.8	2522.7	2332.9	2195.5	2234.8	2408.5	2577.9	2587.4	2516.9
60°	2432.5	2434.7	2534.3	2548.1	2408.5	2308.2	2400.5	2593.9	2767.7	2773.5	2707.3
62.5°	2290.0	2284.9	2431.1	2500.9	2418.0	2375.1	2519.0	2756.0	2946.5	2966.1	2866.5
65°	2067.6	2077.0	2234.8	2373.6	2368.6	2400.5	2611.4	2902.2	3091.9	3120.3	2976.3
67.5°	1780.4	1808.0	1973.8	2173.0	2250.1	2356.2	2645.5	2991.6	3186.4	3211.1	3013.4
70°	1475.1	1468.5	1648.1	1898.2	2048.7	2242.8	2607.7	2995.2	3188.6	3180.6	2934.2
72.5°	1118.8	1146.5	1307.9	1562.3	1785.5	2027.6	2484.9	2902.2	3066.5	3065.0	2724.8
75°	795.3	812.1	954.5	1209.0	1475.1	1776.1	2239.9	2699.3	2820.0	2776.4	2421.6
77.5°	524.9	540.2	663.0	894.9	1141.4	1459.8	1910.5	2345.3	2441.3	2396.2	2034.9
80°	326.4	333.7	426.7	610.7	829.5	1131.2	1547.0	1917.8	1955.6	1909.8	1566.7
82.5°	194.1	199.9	266.8	391.9	591.0	823.7	1166.1	1470.0	1482.3	1451.1	1129.8
85°	119.2	127.2	170.1	261.7	394.0	580.9	812.8	1021.4	1030.2	993.8	746.6
87.5°	77.8	82.2	115.6	170.1	265.4	388.9	544.5	679.7	660.1	637.6	471.8
90°	53.1	56.0	79.2	117.0	179.6	257.4	344.6	425.3	394.0	376.6	286.4
92.5°	37.1	40.0	58.2	84.3	124.3	172.3	223.9	254.4	241.4	233.4	180.3
95°	29.1	30.5	44.3	65.4	92.3	122.1	148.3	157.8	149.8	143.9	121.4
97.5°	23.3	24.7	37.1	53.1	72.0	90.9	103.2	106.1	98.1	95.2	84.3
100°	19.6	21.1	31.3	44.3	58.9	72.0	77.1	76.3	69.8	68.3	61.1
102.5°	17.4	18.2	27.6	38.5	50.2	58.2	61.1	57.4	50.9	50.2	45.8
105°	15.3	16.7	24.0	33.4	42.9	49.4	49.4	45.1	37.8	37.1	34.9
107.5°	14.5	14.5	21.1	29.1	37.1	41.4	41.4	36.3	29.8	28.4	26.9
110°	13.1	13.8	18.9	25.4	32.0	35.6	34.9	29.1	22.5	21.8	21.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	12.4	12.4	16.7	22.5	27.6	30.5	29.1	24.0	18.2	17.4	16.7
115°	11.6	11.6	15.3	20.4	24.7	26.9	24.7	19.6	14.5	13.8	14.5
117.5°	10.9	11.6	13.8	18.2	21.8	23.3	21.1	16.7	12.4	11.6	12.4
120°	10.9	10.9	13.1	16.0	18.9	20.4	18.2	13.8	10.2	10.2	10.9
122.5°	10.9	10.9	12.4	14.5	16.7	17.4	15.3	11.6	9.5	9.5	10.2
125°	10.2	10.2	11.6	13.1	15.3	15.3	13.8	10.2	8.0	8.0	9.5
127.5°	10.2	10.2	10.9	12.4	13.8	13.8	11.6	8.7	7.3	8.0	8.7
130°	9.5	9.5	10.2	10.9	12.4	11.6	10.2	8.0	6.5	7.3	8.0
132.5°	9.5	9.5	9.5	10.2	10.9	10.2	8.7	6.5	6.5	6.5	7.3
135°	8.7	8.7	9.5	9.5	9.5	8.7	7.3	5.8	5.8	5.8	6.5
137.5°	8.7	8.7	8.7	8.7	8.7	8.0	6.5	5.1	5.1	5.1	5.8
140°	8.0	8.0	8.0	7.3	7.3	6.5	5.1	4.4	4.4	4.4	5.1
142.5°	7.3	7.3	7.3	6.5	6.5	5.1	4.4	3.6	3.6	4.4	4.4
145°	6.5	6.5	6.5	5.8	5.1	4.4	2.9	2.9	3.6	3.6	4.4
147.5°	5.1	5.1	5.1	5.1	3.6	3.6	2.2	2.9	2.9	3.6	3.6
150°	4.4	4.4	4.4	4.4	2.9	2.2	1.5	2.2	2.9	2.9	2.9
152.5°	3.6	3.6	3.6	3.6	2.2	1.5	1.5	2.2	2.2	2.2	2.9
155°	2.2	2.2	2.9	2.2	1.5	0.7	1.5	1.5	2.2	2.2	2.2
157.5°	1.5	1.5	1.5	1.5	0.7	0.7	0.7	1.5	1.5	1.5	2.2
160°	0.7	0.7	1.5	1.5	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°	124.3	124.3	124.3	124.3	124.3	124.3	124.3	124.3	124.3	124.3	124.3
2.5°	126.5	127.2	126.5	125.8	125.8	125.0	125.0	125.0	125.0	124.3	124.3
5°	138.1	137.4	136.7	135.2	133.8	132.3	132.3	131.6	130.9	130.1	130.1
7.5°	154.1	154.1	152.7	150.5	148.3	146.9	145.4	144.7	142.5	142.5	141.8
10°	178.8	178.8	174.5	172.3	168.7	165.0	163.6	161.4	159.9	159.2	158.5
12.5°	214.5	212.3	207.9	200.7	193.4	187.6	183.9	182.5	183.2	183.2	183.9
15°	260.3	255.9	249.4	235.5	222.5	213.7	211.6	211.6	212.3	212.3	213.0
17.5°	314.8	308.2	293.7	276.3	257.4	245.7	240.6	240.6	242.1	244.3	246.5
20°	380.9	375.1	352.6	322.1	293.7	278.4	269.7	269.0	271.9	278.4	277.0
22.5°	455.8	449.3	415.8	371.5	332.2	307.5	298.1	301.0	308.2	312.6	312.6
25°	546.0	535.1	484.9	420.2	370.0	335.1	322.8	327.1	338.1	343.1	345.3
27.5°	642.7	628.1	561.2	473.3	399.8	357.7	344.6	350.4	363.5	371.5	373.7
30°	757.5	732.1	641.2	522.7	426.7	373.7	359.9	370.8	385.3	394.8	396.9
32.5°	878.2	839.0	710.3	564.9	446.4	384.6	370.8	383.9	399.8	410.8	411.5
35°	998.9	953.8	786.6	599.0	456.6	389.7	375.1	390.4	407.8	416.6	418.7
37.5°	1129.8	1067.2	852.8	620.9	460.9	388.9	375.1	390.4	407.1	414.4	415.8
40°	1255.5	1178.5	911.7	633.9	459.5	383.1	370.0	386.0	400.6	405.7	404.9
42.5°	1396.6	1286.1	958.9	634.7	449.3	374.4	363.5	377.3	387.5	386.8	387.5
45°	1531.1	1400.2	993.8	629.6	435.5	363.5	354.8	367.1	370.8	367.1	366.4
47.5°	1678.6	1513.6	1021.4	616.5	418.7	353.3	345.3	354.8	355.5	347.5	346.1
50°	1834.9	1627.0	1046.9	592.5	399.1	341.7	336.6	344.6	343.1	330.1	327.9
52.5°	1987.6	1741.9	1062.9	563.4	379.5	331.5	329.3	337.3	333.0	317.7	314.8
55°	2150.5	1848.0	1065.8	534.3	360.6	322.8	322.8	331.5	326.4	310.4	308.2
57.5°	2309.7	1959.3	1054.9	496.5	342.4	313.3	317.7	327.9	324.2	308.2	306.8
60°	2458.7	2042.9	1025.1	460.9	325.7	306.8	314.1	325.7	322.8	309.7	308.2
62.5°	2574.3	2098.1	977.8	426.0	311.2	300.2	310.4	322.1	322.8	311.9	312.6
65°	2628.1	2098.1	909.5	391.1	298.1	293.7	306.8	319.9	321.3	314.8	314.8
67.5°	2616.5	2044.3	832.4	354.8	285.7	285.7	301.7	315.5	318.4	315.5	315.5
70°	2493.6	1898.9	727.0	325.7	273.4	276.3	293.7	308.2	312.6	313.3	312.6
72.5°	2293.7	1680.1	617.9	295.2	260.3	266.8	283.5	298.1	303.9	305.3	304.6
75°	1984.7	1426.4	511.1	269.7	246.5	254.4	271.9	284.3	290.8	293.7	292.3
77.5°	1595.0	1131.9	418.7	244.3	230.5	239.2	255.9	266.1	274.1	277.7	274.8
80°	1215.5	842.6	333.0	218.8	210.8	220.3	234.8	245.7	253.0	254.4	252.3
82.5°	862.9	597.6	266.8	194.8	189.7	197.7	210.8	218.1	226.8	226.1	221.7
85°	565.6	405.7	209.4	169.4	167.2	172.3	182.5	186.8	195.6	195.6	190.5
87.5°	367.9	269.0	165.0	142.5	144.7	149.0	154.1	157.8	161.4	162.1	157.8
90°	234.8	183.9	131.6	121.4	123.6	127.2	127.2	126.5	132.3	133.8	130.1
92.5°	154.1	130.9	109.0	103.2	104.7	105.4	105.4	102.5	107.6	108.3	105.4
95°	108.3	98.1	90.1	88.7	88.7	88.7	87.2	83.6	88.0	88.0	86.5
97.5°	81.4	76.3	75.6	75.6	75.6	74.9	72.7	71.2	72.7	72.7	72.0
100°	61.1	60.3	62.5	64.0	64.7	64.0	62.5	60.3	60.3	57.4	58.2
102.5°	46.5	48.0	52.3	54.5	54.5	54.5	53.8	50.9	49.4	46.5	45.8
105°	36.3	37.8	42.9	45.8	46.5	47.3	45.8	42.9	40.0	37.1	36.3
107.5°	28.4	30.5	34.9	38.5	40.0	40.0	39.3	36.3	32.7	29.1	29.1
110°	23.3	24.7	29.1	32.7	34.2	34.2	33.4	29.8	26.2	23.3	23.3



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CATALOG NUMBER: LXF.LXT-PA1-70-830-U-T3-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	18.9	20.4	24.7	27.6	29.1	29.8	28.4	25.4	21.8	18.9	18.9
115°	16.0	17.4	21.1	23.3	24.7	24.7	24.0	21.1	18.2	16.0	16.0
117.5°	13.8	15.3	18.2	20.4	21.1	21.8	20.4	18.2	15.3	13.8	13.8
120°	12.4	13.1	16.0	17.4	18.2	18.2	17.4	15.3	13.1	12.4	12.4
122.5°	10.9	12.4	13.8	15.3	16.0	16.0	15.3	13.1	11.6	10.9	11.6
125°	10.2	10.9	12.4	13.8	13.8	13.8	13.1	11.6	10.2	10.2	10.2
127.5°	9.5	10.2	10.9	11.6	12.4	12.4	11.6	10.2	9.5	9.5	9.5
130°	8.7	9.5	10.2	10.2	10.9	10.9	10.2	8.7	8.7	8.7	8.7
132.5°	8.0	8.7	8.7	9.5	9.5	9.5	8.7	8.0	8.0	8.0	8.0
135°	7.3	7.3	8.0	8.0	8.0	8.0	7.3	7.3	7.3	7.3	7.3
137.5°	6.5	6.5	7.3	6.5	7.3	6.5	6.5	5.8	6.5	6.5	6.5
140°	5.8	5.8	5.8	5.8	5.8	5.8	5.1	5.1	5.8	5.8	5.8
142.5°	5.1	5.1	5.1	4.4	4.4	4.4	4.4	4.4	5.1	5.1	5.1
145°	4.4	4.4	4.4	3.6	3.6	2.9	3.6	3.6	4.4	4.4	4.4
147.5°	3.6	3.6	3.6	3.6	2.9	2.2	2.2	2.9	3.6	3.6	3.6
150°	2.9	3.6	3.6	2.9	2.2	1.5	1.5	2.2	2.9	2.9	2.9
152.5°	2.9	2.9	2.9	2.2	1.5	0.7	0.7	1.5	2.2	2.2	2.2
155°	2.2	2.2	2.2	2.2	1.5	0.7	0.0	1.5	1.5	1.5	1.5
157.5°	2.2	2.2	2.2	1.5	0.7	0.0	0.0	0.7	1.5	0.7	0.7
160°	1.5	1.5	1.5	1.5	0.7	0.7	0.0	0.7	0.7	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)