

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: P417400

Luminaire Tested: **LXF.LXT-PA1-90-830-U-T3-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417400
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-PA1-90-830-U-T3-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 1180mA 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: 7457 lumens
Efficiency: N/A
Efficacy: 79.3 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

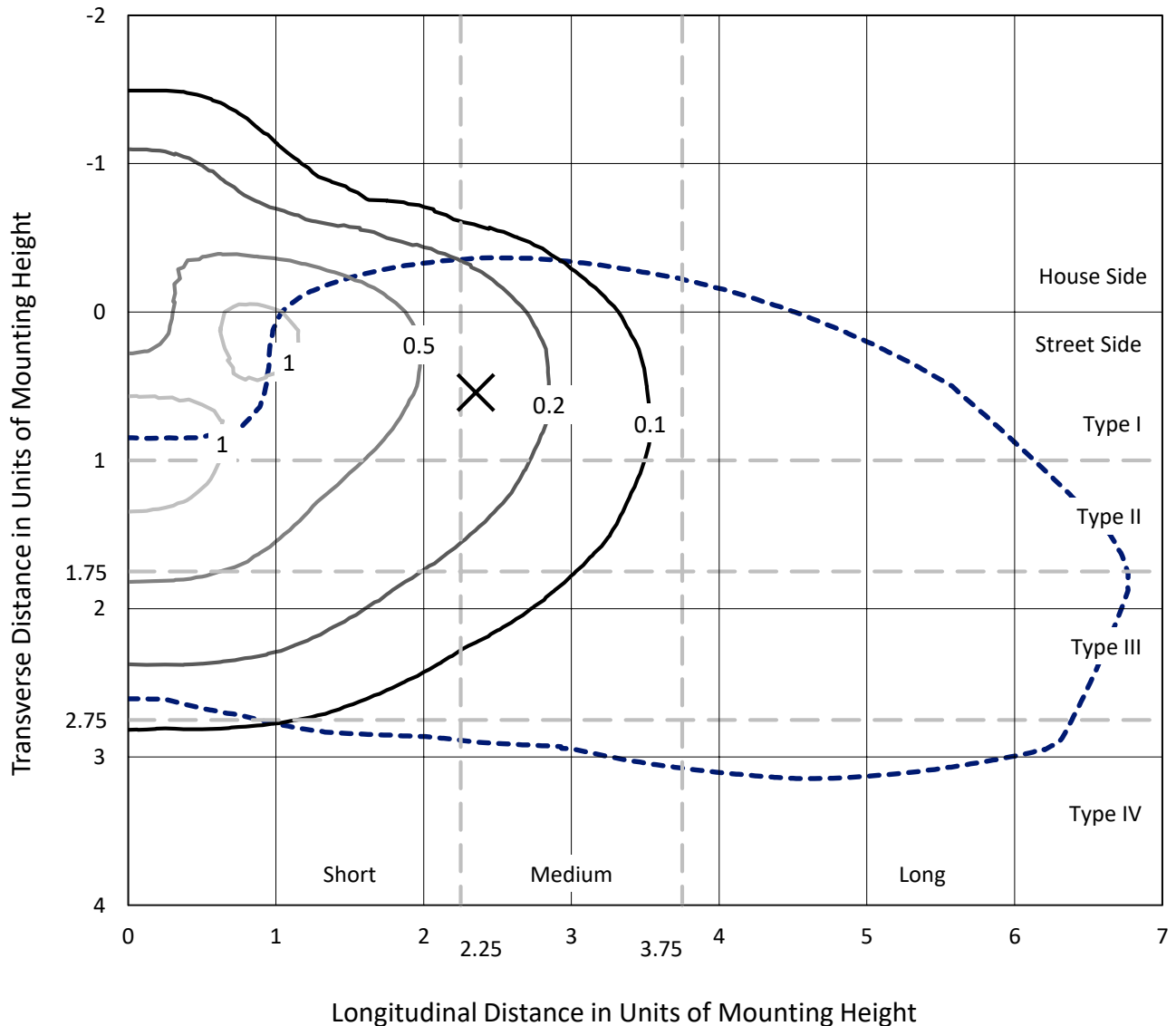
Input Watts (W): 94
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

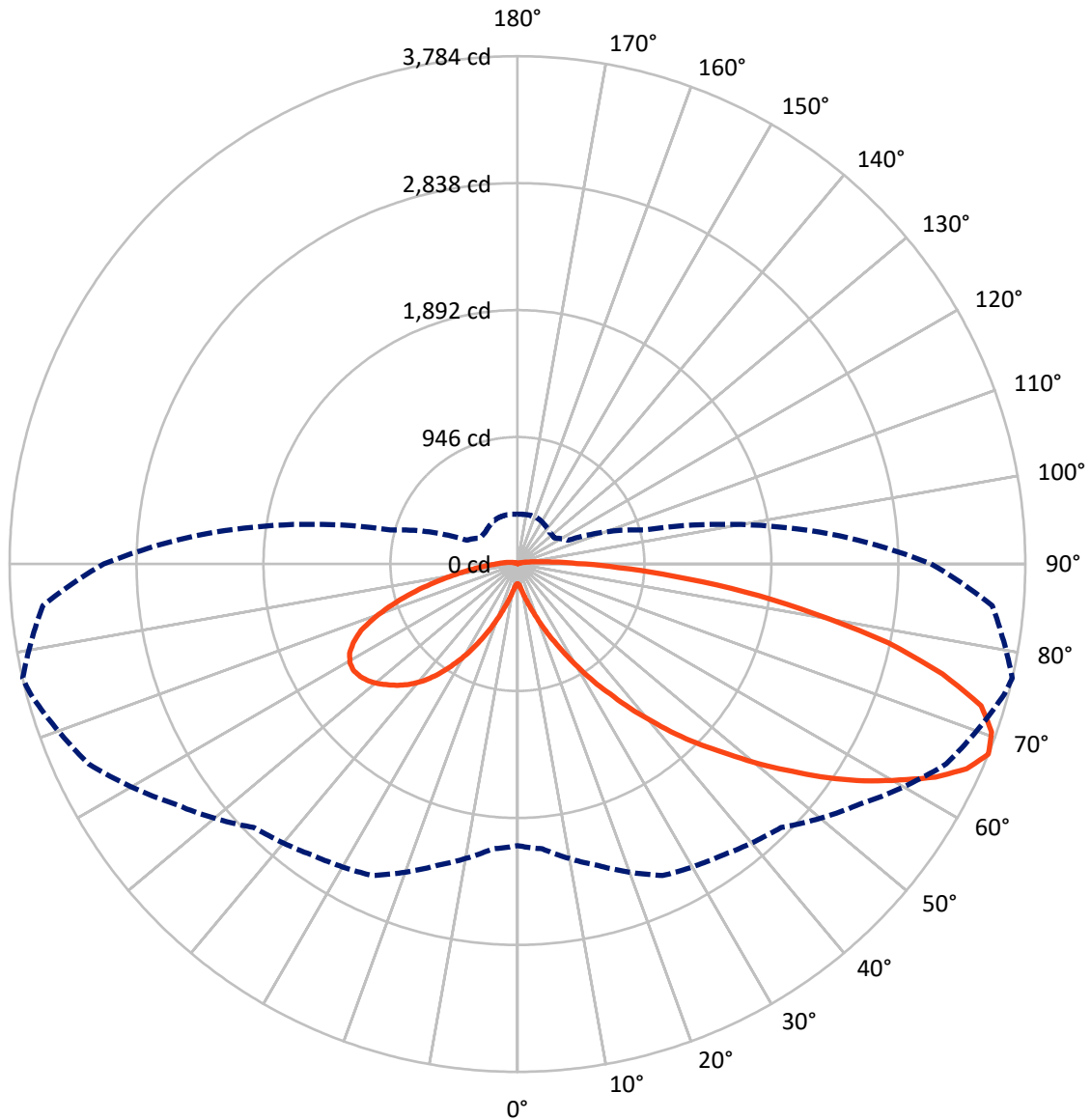
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type 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	1701.2	112.0	1813.3
	% Fixture	22.8	1.5	24.3
Street Side	Lumens	5519.0	124.8	5643.7
	% Fixture	74.0	1.7	75.7
Total	Lumens	7220.2	236.8	7457.0
	% Fixture	96.8	3.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.0	0.2
10°-20°	86.5	1.2
20°-30°	258.4	3.5
30°-40°	572.3	7.7
40°-50°	1024.9	13.7
50°-60°	1535.0	20.6
60°-70°	1809.3	24.3
70°-80°	1381.4	18.5
80°-90°	535.5	7.2
90°-100°	136.5	1.8
100°-110°	51.6	0.7
110°-120°	24.3	0.3
120°-130°	13.0	0.2
130°-140°	7.2	0.1
140°-150°	3.2	0.0
150°-160°	1.0	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	7220.2	96.8
0°-180°	7457.0	100.0



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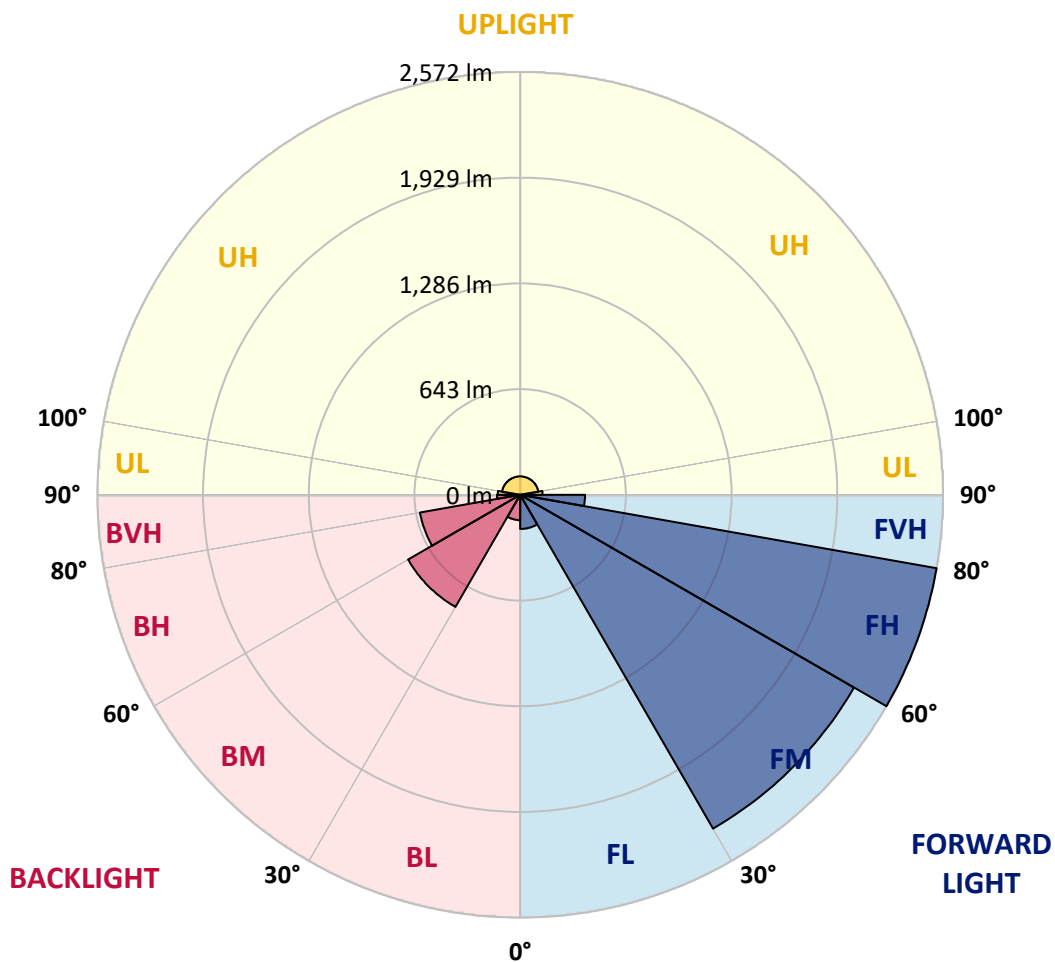
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	207.9	2.8			
FM	(30°-60°)	2344.7	31.4			
FH	(60°-80°)	2572.0	34.5			G2/5000
FVH	(80°-90°)	394.4	5.3			G3/500
BL	(0°-30°)	154.0	2.1	B1/500		
BM	(30°-60°)	787.5	10.6	B1/1000		
BH	(60°-80°)	618.6	8.3	B2/1000		G2/1000
BVH	(80°-90°)	141.1	1.9			G2/225
UL	(90°-100°)	136.5	1.8		U3/500	
UH	(100°-180°)	112.0	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°	146.5	146.5	146.5	146.5	146.5	146.5	146.5	146.5	146.5	146.5	146.5
2.5°	155.1	154.2	155.1	155.1	155.9	154.2	152.5	151.6	150.8	150.8	149.9
5°	171.3	169.6	170.5	171.3	170.5	168.8	166.2	165.3	163.6	163.6	161.9
7.5°	194.5	194.5	193.6	191.9	193.6	191.0	189.3	188.5	185.9	185.0	184.2
10°	229.6	227.9	227.0	225.3	223.6	222.7	219.3	219.3	215.0	216.7	214.2
12.5°	275.0	271.6	272.4	269.0	263.9	260.4	258.7	257.9	257.9	257.9	257.0
15°	329.8	327.3	326.4	318.7	313.6	309.3	305.8	306.7	311.0	311.8	308.4
17.5°	392.4	396.7	388.9	382.1	374.4	365.8	365.8	365.8	369.2	371.8	370.1
20°	479.8	471.2	462.6	451.5	438.6	431.8	428.4	438.6	444.6	448.9	447.2
22.5°	575.7	567.1	557.7	539.7	521.7	508.9	508.9	521.7	535.4	540.6	542.3
25°	684.5	689.6	666.5	639.1	606.5	595.4	597.1	616.0	636.5	640.8	651.1
27.5°	819.0	819.0	799.3	755.6	712.8	690.5	692.2	723.1	753.9	759.9	767.6
30°	982.6	976.6	950.1	891.8	835.3	793.3	801.0	838.7	887.5	892.7	902.1
32.5°	1165.1	1164.3	1112.9	1040.9	959.5	909.8	913.2	968.1	1028.9	1043.5	1053.7
35°	1367.3	1372.4	1305.6	1201.1	1106.9	1040.0	1051.2	1113.7	1184.8	1188.2	1201.1
37.5°	1598.6	1596.0	1516.4	1402.4	1261.9	1190.8	1182.2	1267.1	1341.6	1363.9	1357.0
40°	1854.8	1827.3	1750.2	1608.9	1435.8	1340.7	1342.5	1429.8	1530.9	1537.8	1536.1
42.5°	2107.5	2095.5	2002.1	1811.1	1626.0	1513.8	1518.1	1602.0	1706.6	1733.1	1714.3
45°	2379.9	2349.9	2248.8	2051.8	1826.5	1704.8	1693.7	1787.9	1902.7	1923.3	1905.3
47.5°	2600.1	2581.2	2492.1	2282.3	2041.5	1885.6	1868.5	1984.1	2115.2	2116.9	2090.4
50°	2782.6	2773.1	2702.9	2517.0	2249.7	2087.8	2069.8	2184.6	2321.7	2343.9	2305.4
52.5°	2940.2	2924.8	2889.7	2706.3	2439.0	2260.8	2258.3	2384.2	2555.5	2565.8	2529.0
55°	2990.7	3000.2	2995.0	2865.7	2624.9	2432.2	2453.6	2623.2	2776.6	2812.6	2743.2
57.5°	2983.0	2983.0	3031.9	2972.8	2749.2	2587.2	2633.5	2838.3	3037.9	3049.0	2965.9
60°	2866.5	2869.1	2986.5	3002.7	2838.3	2720.0	2828.8	3056.7	3261.5	3268.3	3190.4
62.5°	2698.6	2692.6	2864.8	2947.1	2849.4	2798.8	2968.5	3247.8	3472.2	3495.3	3378.0
65°	2436.5	2447.6	2633.5	2797.1	2791.1	2828.8	3077.3	3420.0	3643.6	3677.0	3507.3
67.5°	2098.1	2130.6	2325.9	2560.7	2651.5	2776.6	3117.5	3525.3	3754.9	3784.1	3551.0
70°	1738.2	1730.5	1942.1	2236.8	2414.2	2642.9	3073.0	3529.6	3757.5	3748.1	3457.7
72.5°	1318.5	1351.0	1541.2	1841.1	2104.1	2389.3	2928.2	3420.0	3613.6	3611.9	3210.9
75°	937.2	956.9	1124.9	1424.7	1738.2	2092.9	2639.5	3180.9	3323.1	3271.7	2853.7
77.5°	618.5	636.5	781.3	1054.6	1345.0	1720.3	2251.4	2763.7	2876.8	2823.7	2397.9
80°	384.7	393.2	502.9	719.6	977.5	1333.0	1823.1	2260.0	2304.5	2250.6	1846.2
82.5°	228.7	235.6	314.4	461.8	696.5	970.6	1374.2	1732.3	1746.8	1710.0	1331.3
85°	140.5	149.9	200.5	308.4	464.3	684.5	957.8	1203.7	1213.9	1171.1	879.8
87.5°	91.7	96.8	136.2	200.5	312.7	458.3	641.7	801.0	777.9	751.3	556.0
90°	62.5	66.0	93.4	137.9	211.6	303.3	406.1	501.2	464.3	443.8	337.5
92.5°	43.7	47.1	68.5	99.4	146.5	203.0	263.9	299.8	284.4	275.0	212.5
95°	34.3	36.0	52.3	77.1	108.8	143.9	174.8	185.9	176.5	169.6	143.1
97.5°	27.4	29.1	43.7	62.5	84.8	107.1	121.7	125.1	115.7	112.2	99.4
100°	23.1	24.8	36.8	52.3	69.4	84.8	90.8	90.0	82.2	80.5	72.0
102.5°	20.6	21.4	32.6	45.4	59.1	68.5	72.0	67.7	60.0	59.1	54.0
105°	18.0	19.7	28.3	39.4	50.5	58.3	58.3	53.1	44.5	43.7	41.1
107.5°	17.1	17.1	24.8	34.3	43.7	48.8	48.8	42.8	35.1	33.4	31.7
110°	15.4	16.3	22.3	30.0	37.7	42.0	41.1	34.3	26.6	25.7	24.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	14.6	14.6	19.7	26.6	32.6	36.0	34.3	28.3	21.4	20.6	19.7
115°	13.7	13.7	18.0	24.0	29.1	31.7	29.1	23.1	17.1	16.3	17.1
117.5°	12.9	13.7	16.3	21.4	25.7	27.4	24.8	19.7	14.6	13.7	14.6
120°	12.9	12.9	15.4	18.8	22.3	24.0	21.4	16.3	12.0	12.0	12.9
122.5°	12.9	12.9	14.6	17.1	19.7	20.6	18.0	13.7	11.1	11.1	12.0
125°	12.0	12.0	13.7	15.4	18.0	18.0	16.3	12.0	9.4	9.4	11.1
127.5°	12.0	12.0	12.9	14.6	16.3	16.3	13.7	10.3	8.6	9.4	10.3
130°	11.1	11.1	12.0	12.9	14.6	13.7	12.0	9.4	7.7	8.6	9.4
132.5°	11.1	11.1	11.1	12.0	12.9	12.0	10.3	7.7	7.7	7.7	8.6
135°	10.3	10.3	11.1	11.1	11.1	10.3	8.6	6.9	6.9	6.9	7.7
137.5°	10.3	10.3	10.3	10.3	10.3	9.4	7.7	6.0	6.0	6.0	6.9
140°	9.4	9.4	9.4	8.6	8.6	7.7	6.0	5.1	5.1	5.1	6.0
142.5°	8.6	8.6	8.6	7.7	7.7	6.0	5.1	4.3	4.3	5.1	5.1
145°	7.7	7.7	7.7	6.9	6.0	5.1	3.4	3.4	4.3	4.3	5.1
147.5°	6.0	6.0	6.0	6.0	4.3	4.3	2.6	3.4	3.4	4.3	4.3
150°	5.1	5.1	5.1	5.1	3.4	2.6	1.7	2.6	3.4	3.4	3.4
152.5°	4.3	4.3	4.3	4.3	2.6	1.7	1.7	2.6	2.6	2.6	3.4
155°	2.6	2.6	3.4	2.6	1.7	0.9	1.7	1.7	2.6	2.6	2.6
157.5°	1.7	1.7	1.7	1.7	0.9	0.9	0.9	1.7	1.7	1.7	2.6
160°	0.9	0.9	1.7	1.7	1.7	0.9	0.9	0.9	1.7	1.7	1.7
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°	146.5	146.5	146.5	146.5	146.5	146.5	146.5	146.5	146.5	146.5	146.5
2.5°	149.1	149.9	149.1	148.2	148.2	147.4	147.4	147.4	147.4	146.5	146.5
5°	162.8	161.9	161.1	159.3	157.6	155.9	155.9	155.1	154.2	153.3	153.3
7.5°	181.6	181.6	179.9	177.3	174.8	173.1	171.3	170.5	167.9	167.9	167.1
10°	210.7	210.7	205.6	203.0	198.8	194.5	192.8	190.2	188.5	187.6	186.8
12.5°	252.7	250.2	245.0	236.4	227.9	221.0	216.7	215.0	215.9	215.9	216.7
15°	306.7	301.6	293.8	277.6	262.2	251.9	249.3	249.3	250.2	250.2	251.0
17.5°	371.0	363.2	346.1	325.5	303.3	289.6	283.6	283.6	285.3	287.9	290.4
20°	448.9	442.1	415.5	379.5	346.1	328.1	317.8	317.0	320.4	328.1	326.4
22.5°	537.2	529.4	490.0	437.8	391.5	362.4	351.2	354.7	363.2	368.4	368.4
25°	643.4	630.5	571.4	495.2	436.1	394.9	380.4	385.5	398.4	404.4	406.9
27.5°	757.3	740.2	661.4	557.7	471.2	421.5	406.1	412.9	428.4	437.8	440.3
30°	892.7	862.7	755.6	616.0	502.9	440.3	424.1	436.9	454.1	465.2	467.8
32.5°	1034.9	988.6	837.0	665.7	526.0	453.2	436.9	452.3	471.2	484.0	484.9
35°	1177.1	1124.0	927.0	705.9	538.0	459.2	442.1	460.0	480.6	490.9	493.5
37.5°	1331.3	1257.6	1004.9	731.6	543.1	458.3	442.1	460.0	479.8	488.3	490.0
40°	1479.5	1388.7	1074.3	747.0	541.4	451.5	436.1	454.9	472.0	478.0	477.2
42.5°	1645.7	1515.5	1130.0	747.9	529.4	441.2	428.4	444.6	456.6	455.8	456.6
45°	1804.2	1650.0	1171.1	741.9	513.2	428.4	418.1	432.6	436.9	432.6	431.8
47.5°	1978.1	1783.7	1203.7	726.5	493.5	416.4	406.9	418.1	418.9	409.5	407.8
50°	2162.3	1917.3	1233.7	698.2	470.3	402.7	396.7	406.1	404.4	388.9	386.4
52.5°	2342.2	2052.7	1252.5	663.9	447.2	390.7	388.1	397.5	392.4	374.4	371.0
55°	2534.1	2177.7	1255.9	629.7	424.9	380.4	380.4	390.7	384.7	365.8	363.2
57.5°	2721.7	2308.8	1243.1	585.1	403.5	369.2	374.4	386.4	382.1	363.2	361.5
60°	2897.4	2407.3	1208.0	543.1	383.8	361.5	370.1	383.8	380.4	365.0	363.2
62.5°	3033.6	2472.4	1152.3	502.0	366.7	353.8	365.8	379.5	380.4	367.5	368.4
65°	3097.0	2472.4	1071.7	460.9	351.2	346.1	361.5	376.9	378.7	371.0	371.0
67.5°	3083.3	2409.0	980.9	418.1	336.7	336.7	355.5	371.8	375.2	371.8	371.8
70°	2938.5	2237.7	856.7	383.8	322.1	325.5	346.1	363.2	368.4	369.2	368.4
72.5°	2702.9	1979.8	728.2	347.8	306.7	314.4	334.1	351.2	358.1	359.8	359.0
75°	2338.8	1680.9	602.3	317.8	290.4	299.8	320.4	335.0	342.7	346.1	344.4
77.5°	1879.6	1333.9	493.5	287.9	271.6	281.9	301.6	313.6	323.0	327.3	323.8
80°	1432.4	992.9	392.4	257.9	248.4	259.6	276.7	289.6	298.1	299.8	297.3
82.5°	1016.9	704.2	314.4	229.6	223.6	233.0	248.4	257.0	267.3	266.4	261.3
85°	666.5	478.0	246.7	199.6	197.0	203.0	215.0	220.2	230.5	230.5	224.5
87.5°	433.5	317.0	194.5	167.9	170.5	175.6	181.6	185.9	190.2	191.0	185.9
90°	276.7	216.7	155.1	143.1	145.6	149.9	149.9	149.1	155.9	157.6	153.3
92.5°	181.6	154.2	128.5	121.7	123.4	124.2	124.2	120.8	126.8	127.6	124.2
95°	127.6	115.7	106.2	104.5	104.5	104.5	102.8	98.5	103.7	103.7	101.9
97.5°	96.0	90.0	89.1	89.1	89.1	88.2	85.7	84.0	85.7	85.7	84.8
100°	72.0	71.1	73.7	75.4	76.2	75.4	73.7	71.1	71.1	67.7	68.5
102.5°	54.8	56.5	61.7	64.3	64.3	64.3	63.4	60.0	58.3	54.8	54.0
105°	42.8	44.5	50.5	54.0	54.8	55.7	54.0	50.5	47.1	43.7	42.8
107.5°	33.4	36.0	41.1	45.4	47.1	47.1	46.3	42.8	38.6	34.3	34.3
110°	27.4	29.1	34.3	38.6	40.3	40.3	39.4	35.1	30.8	27.4	27.4



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CATALOG NUMBER: LXF.LXT-PA1-90-830-U-T3-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	22.3	24.0	29.1	32.6	34.3	35.1	33.4	30.0	25.7	22.3	22.3
115°	18.8	20.6	24.8	27.4	29.1	29.1	28.3	24.8	21.4	18.8	18.8
117.5°	16.3	18.0	21.4	24.0	24.8	25.7	24.0	21.4	18.0	16.3	16.3
120°	14.6	15.4	18.8	20.6	21.4	21.4	20.6	18.0	15.4	14.6	14.6
122.5°	12.9	14.6	16.3	18.0	18.8	18.8	18.0	15.4	13.7	12.9	13.7
125°	12.0	12.9	14.6	16.3	16.3	16.3	15.4	13.7	12.0	12.0	12.0
127.5°	11.1	12.0	12.9	13.7	14.6	14.6	13.7	12.0	11.1	11.1	11.1
130°	10.3	11.1	12.0	12.0	12.9	12.9	12.0	10.3	10.3	10.3	10.3
132.5°	9.4	10.3	10.3	11.1	11.1	11.1	10.3	9.4	9.4	9.4	9.4
135°	8.6	8.6	9.4	9.4	9.4	9.4	8.6	8.6	8.6	8.6	8.6
137.5°	7.7	7.7	8.6	7.7	8.6	7.7	7.7	6.9	7.7	7.7	7.7
140°	6.9	6.9	6.9	6.9	6.9	6.9	6.0	6.0	6.9	6.9	6.9
142.5°	6.0	6.0	6.0	5.1	5.1	5.1	5.1	5.1	6.0	6.0	6.0
145°	5.1	5.1	5.1	4.3	4.3	3.4	4.3	4.3	5.1	5.1	5.1
147.5°	4.3	4.3	4.3	4.3	3.4	2.6	2.6	3.4	4.3	4.3	4.3
150°	3.4	4.3	4.3	3.4	2.6	1.7	1.7	2.6	3.4	3.4	3.4
152.5°	3.4	3.4	3.4	2.6	1.7	0.9	0.9	1.7	2.6	2.6	2.6
155°	2.6	2.6	2.6	2.6	1.7	0.9	0.0	1.7	1.7	1.7	1.7
157.5°	2.6	2.6	2.6	1.7	0.9	0.0	0.0	0.9	1.7	0.9	0.9
160°	1.7	1.7	1.7	1.7	0.9	0.9	0.0	0.9	0.9	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)