

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: P417395

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

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417395
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-12)
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-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7729 lumens
Efficiency: N/A
Efficacy: 82.2 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

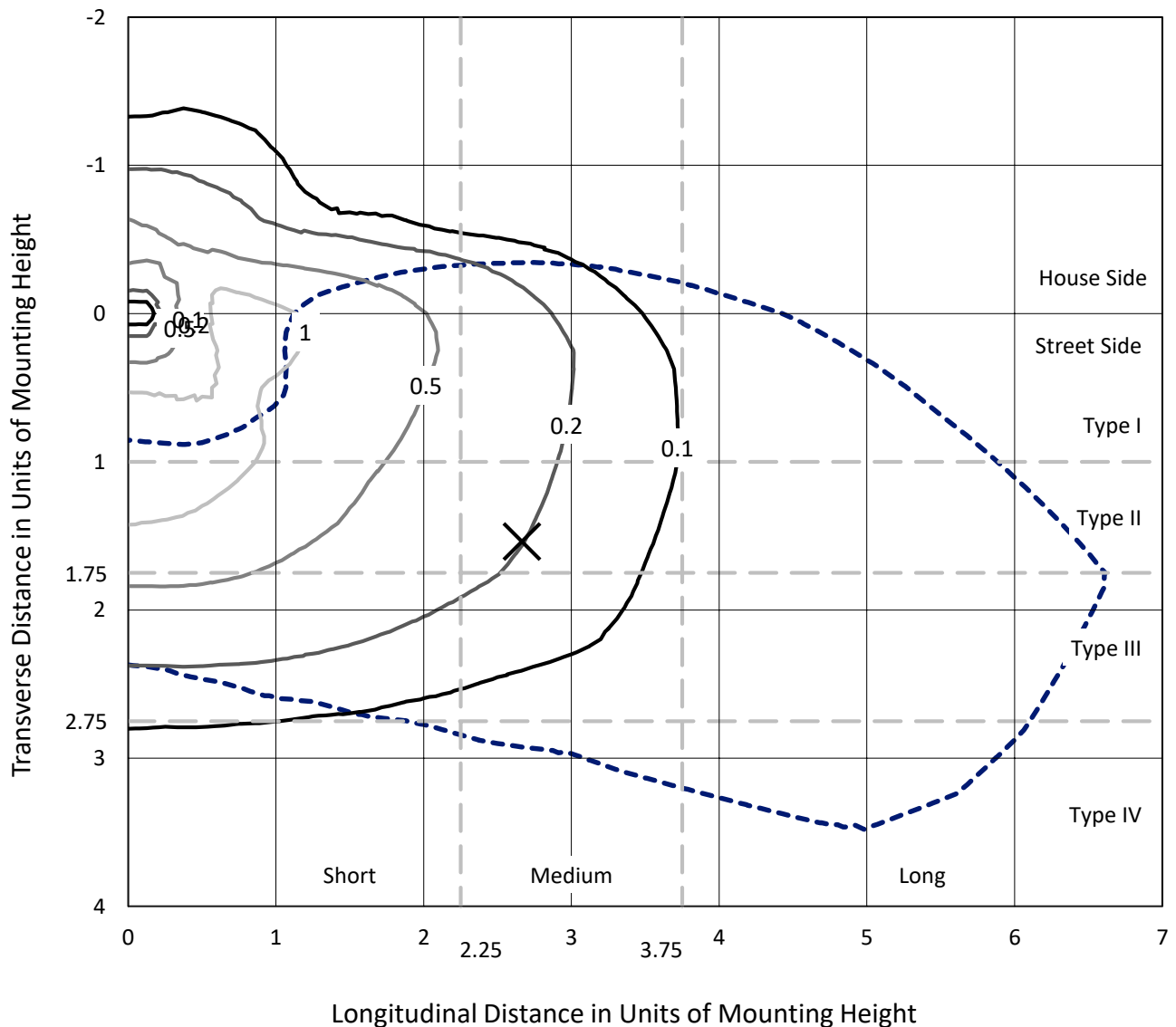
Input Watts (W): 94
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

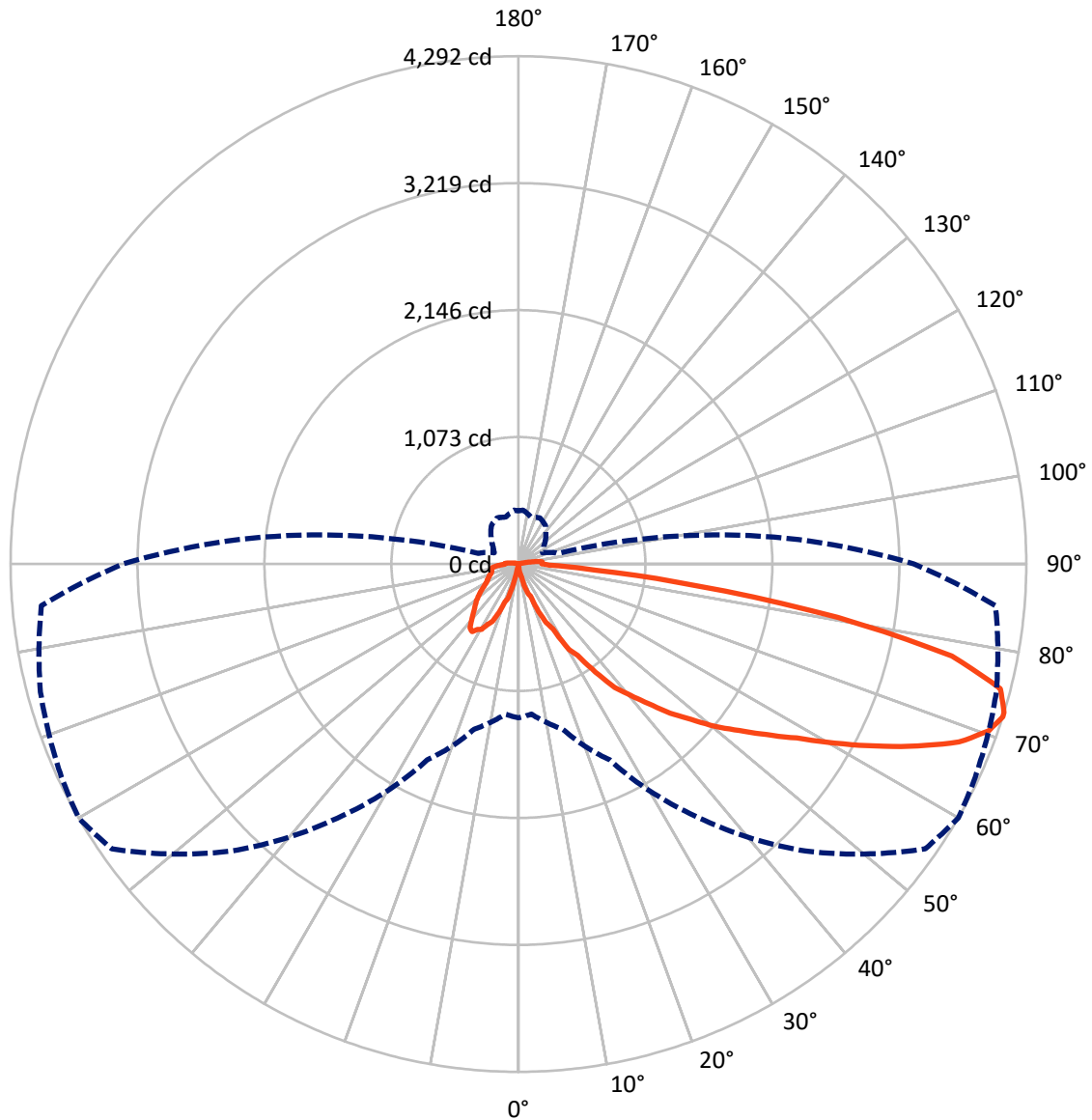
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1689.2	82.4	1771.6
	% Fixture	21.9	1.1	22.9
Street Side	Lumens	5885.0	72.4	5957.3
	% Fixture	76.1	0.9	77.1
Total	Lumens	7574.2	154.8	7729.0
	% Fixture	98.0	2.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.2	0.1
10°-20°	63.2	0.8
20°-30°	263.5	3.4
30°-40°	608.7	7.9
40°-50°	1068.9	13.8
50°-60°	1615.6	20.9
60°-70°	1992.0	25.8
70°-80°	1537.9	19.9
80°-90°	420.2	5.4
90°-100°	114.1	1.5
100°-110°	19.8	0.3
110°-120°	7.6	0.1
120°-130°	5.4	0.1
130°-140°	3.6	0.0
140°-150°	2.9	0.0
150°-160°	1.3	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	7574.2	98.0
0°-180°	7729.0	100.0



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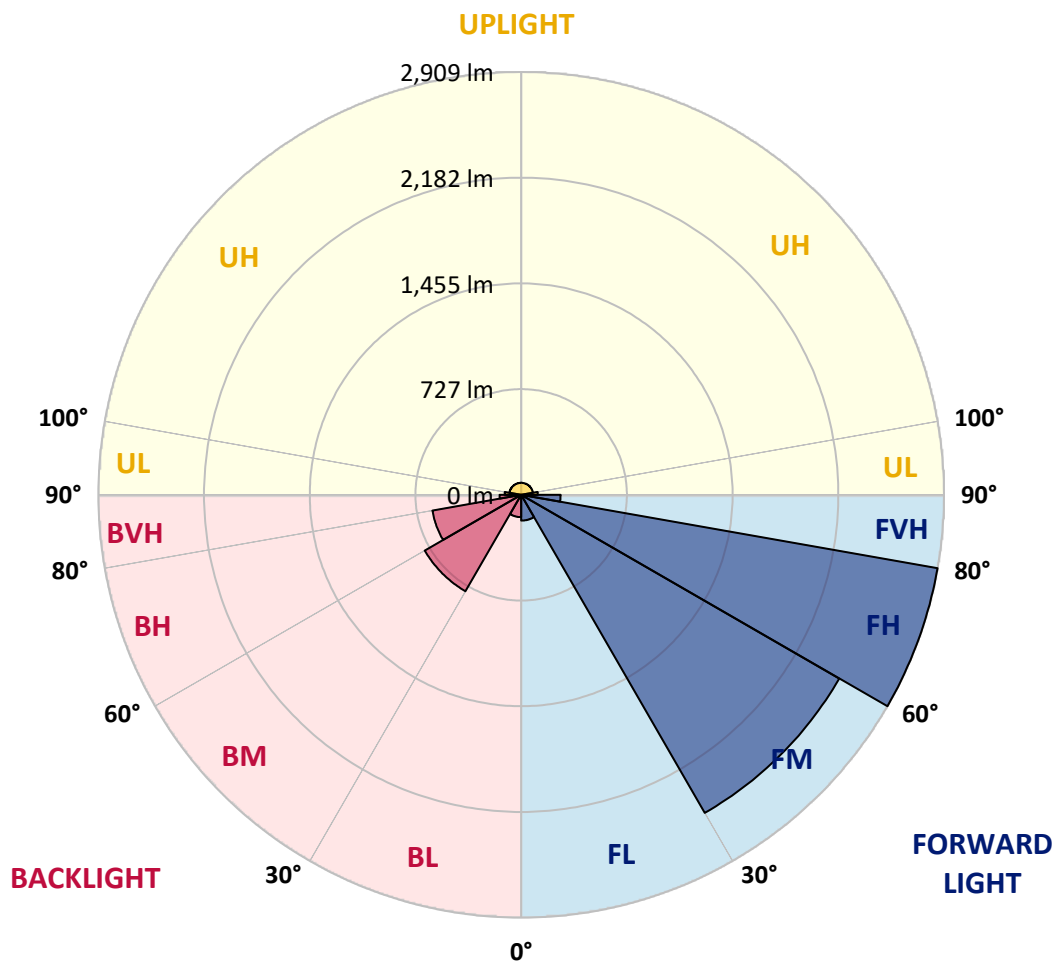
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	177.4	2.3			
FM	(30°-60°)	2527.0	32.7			
FH	(60°-80°)	2909.2	37.6			G2/5000
FVH	(80°-90°)	271.4	3.5			G3/500
BL	(0°-30°)	153.5	2.0	B1/500		
BM	(30°-60°)	766.1	9.9	B1/1000		
BH	(60°-80°)	620.7	8.0	B2/1000		G2/1000
BVH	(80°-90°)	148.8	1.9			G2/225
UL	(90°-100°)	114.1	1.5		U3/500	
UH	(100°-180°)	82.4	1.1		U3/500	

BUG Rating: B2-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
2.5°	10.3	9.4	8.6	8.6	9.4	8.6	7.7	6.9	6.0	6.0	5.1
5°	96.0	93.4	92.5	74.5	34.3	26.6	12.0	9.4	7.7	6.0	5.1
7.5°	106.2	105.4	104.5	104.5	102.8	97.7	55.7	27.4	15.4	7.7	6.9
10°	121.7	120.0	114.8	112.2	109.7	108.0	100.2	95.1	42.8	12.9	11.1
12.5°	216.8	213.3	208.2	154.2	131.9	116.5	114.0	109.7	95.1	39.4	79.7
15°	233.0	232.2	228.8	226.2	219.3	145.7	176.5	201.3	227.9	185.9	207.3
17.5°	293.0	284.5	262.2	249.3	245.0	267.3	255.3	259.6	259.6	250.2	237.3
20°	437.8	431.8	420.7	371.0	279.3	344.4	337.6	287.0	295.6	365.9	425.0
22.5°	527.8	521.8	498.7	467.0	461.0	383.0	398.4	435.3	445.5	513.2	512.4
25°	716.3	705.1	655.5	562.1	574.1	494.4	556.1	547.5	520.9	565.5	580.9
27.5°	874.8	865.4	841.4	794.3	665.7	691.4	632.3	621.2	692.3	817.4	814.8
30°	1049.6	998.2	933.9	919.3	824.2	784.0	799.4	836.2	862.8	874.8	904.8
32.5°	1273.2	1267.2	1219.2	1029.9	999.9	896.2	969.9	919.3	939.9	1113.0	1215.8
35°	1428.3	1443.7	1358.9	1245.8	1103.6	1101.0	1070.1	1120.7	1219.2	1243.2	1314.3
37.5°	1789.9	1794.1	1717.9	1394.9	1302.3	1213.2	1309.2	1322.9	1350.3	1391.4	1451.4
40°	2062.3	2023.8	1929.5	1689.6	1488.3	1391.4	1460.0	1458.3	1518.2	1593.6	1631.3
42.5°	2398.2	2355.3	2186.6	1914.9	1726.5	1619.4	1626.2	1611.6	1661.3	1780.4	1803.6
45°	2680.1	2661.2	2531.0	2244.8	1989.5	1861.0	1814.7	1796.7	1821.6	1971.5	1984.3
47.5°	2946.5	2896.0	2811.2	2521.6	2371.6	2137.7	2004.9	1962.1	1969.8	2140.3	2178.0
50°	3228.4	3143.6	3039.1	2784.6	2675.8	2485.6	2223.4	2156.6	2159.1	2316.8	2381.0
52.5°	3395.5	3261.0	3193.3	2982.5	2872.8	2777.7	2452.2	2336.5	2348.5	2497.6	2595.2
55°	3291.8	3251.6	3253.3	3127.3	3045.9	2934.5	2674.1	2544.7	2558.4	2733.2	2855.7
57.5°	3117.0	3147.9	3256.7	3251.6	3206.1	3097.3	2895.1	2774.3	2853.1	2999.7	3129.0
60°	2982.5	3017.6	3194.1	3285.0	3369.8	3290.1	3123.9	3071.6	3145.3	3273.0	3428.1
62.5°	2758.0	2786.3	3028.8	3268.7	3365.5	3454.6	3341.5	3388.6	3456.3	3564.3	3752.8
65°	2451.3	2444.4	2746.0	3119.6	3337.2	3546.3	3621.7	3708.2	3769.9	3885.6	4056.9
67.5°	2088.9	2123.1	2376.8	2798.3	3226.7	3592.6	3857.3	4015.8	4054.4	4098.9	4222.3
70°	1705.9	1704.2	1926.1	2374.2	2989.4	3566.9	4080.9	4218.0	4218.9	4192.3	4229.2
72°	1300.6	1273.2	1444.6	1826.7	2596.1	3428.9	4195.7	4291.7	4260.0	4181.2	4046.7
72.5°	1116.4	1141.3	1302.3	1720.5	2419.6	3360.4	4207.7	4290.9	4256.6	4170.0	3991.8
75°	566.3	530.4	622.0	921.9	1669.0	2715.2	4121.2	4206.9	4110.9	4003.0	3500.0
77.5°	221.9	227.9	263.9	398.4	812.2	1788.1	3557.4	3744.2	3682.5	3606.3	2760.6
80°	155.9	155.9	176.5	227.1	416.4	726.6	2465.0	2736.6	2831.7	2869.4	1846.4
82.5°	113.1	114.8	134.5	158.5	297.3	348.7	1210.7	1520.8	1670.8	1811.3	1032.4
85°	105.4	105.4	108.0	106.2	212.5	248.5	440.4	649.5	750.6	879.9	417.3
87.5°	49.7	54.0	79.7	63.4	104.5	153.4	239.9	260.5	266.5	302.5	299.9
90°	32.6	32.6	26.6	27.4	51.4	124.2	192.8	197.1	189.4	221.9	279.3
92.5°	33.4	34.3	24.8	25.7	40.3	114.0	197.9	201.3	195.4	233.0	296.5
95°	30.8	30.8	21.4	22.3	31.7	87.4	197.9	201.3	184.2	232.2	296.5
97.5°	25.7	26.6	17.1	18.0	24.8	42.8	137.1	147.4	117.4	118.2	144.8
100°	22.3	22.3	13.7	14.6	18.0	19.7	69.4	72.8	65.1	29.1	19.7
102.5°	22.3	22.3	12.0	12.0	12.0	11.1	21.4	36.0	30.0	17.1	18.8
105°	21.4	22.3	11.1	9.4	9.4	8.6	11.1	13.7	13.7	13.7	19.7
107.5°	17.1	18.0	8.6	8.6	7.7	7.7	6.0	6.0	8.6	12.9	21.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	13.7	13.7	6.9	7.7	6.0	6.9	5.1	5.1	7.7	9.4	16.3
112.5°	7.7	7.7	5.1	6.0	5.1	6.0	5.1	5.1	6.0	7.7	10.3
115°	6.9	6.9	4.3	4.3	4.3	4.3	4.3	4.3	5.1	6.9	11.1
117.5°	6.9	6.9	4.3	4.3	4.3	3.4	3.4	4.3	4.3	6.9	11.1
120°	6.9	6.9	4.3	4.3	3.4	3.4	3.4	4.3	4.3	6.9	11.1
122.5°	7.7	6.9	4.3	3.4	3.4	3.4	3.4	3.4	4.3	6.0	11.1
125°	7.7	6.9	5.1	3.4	3.4	3.4	3.4	3.4	4.3	6.0	9.4
127.5°	7.7	7.7	5.1	3.4	3.4	3.4	3.4	3.4	3.4	5.1	8.6
130°	7.7	6.9	5.1	3.4	3.4	3.4	3.4	3.4	3.4	5.1	7.7
132.5°	6.9	6.9	5.1	3.4	4.3	3.4	3.4	3.4	3.4	4.3	6.0
135°	6.0	6.0	4.3	4.3	4.3	3.4	3.4	3.4	3.4	3.4	5.1
137.5°	6.0	6.0	5.1	4.3	4.3	4.3	3.4	3.4	3.4	3.4	4.3
140°	6.0	6.0	5.1	5.1	5.1	4.3	3.4	3.4	3.4	4.3	4.3
142.5°	6.9	6.9	6.0	5.1	5.1	4.3	3.4	3.4	4.3	4.3	4.3
145°	7.7	7.7	6.9	6.0	5.1	3.4	3.4	4.3	4.3	4.3	5.1
147.5°	7.7	7.7	6.9	5.1	4.3	3.4	3.4	4.3	4.3	5.1	5.1
150°	6.9	6.9	6.0	4.3	3.4	2.6	3.4	3.4	4.3	5.1	5.1
152.5°	5.1	5.1	4.3	3.4	2.6	1.7	2.6	3.4	3.4	4.3	5.1
155°	3.4	3.4	2.6	1.7	1.7	1.7	2.6	2.6	2.6	3.4	4.3
157.5°	1.7	1.7	0.9	0.9	1.7	1.7	1.7	2.6	2.6	2.6	3.4
160°	0.9	0.9	0.9	0.9	1.7	1.7	1.7	2.6	2.6	2.6	2.6
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°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
2.5°	5.1	5.1	5.1	5.1	5.1	5.1	6.0	6.0	6.0	6.9	7.7
5°	5.1	5.1	5.1	5.1	6.0	6.9	7.7	8.6	9.4	10.3	10.3
7.5°	6.0	6.0	6.0	6.9	7.7	9.4	21.4	75.4	102.8	112.2	109.7
10°	11.1	11.1	10.3	10.3	12.0	100.2	127.7	138.8	144.8	151.7	151.7
12.5°	89.1	102.8	36.8	20.6	99.4	140.5	150.8	158.5	163.6	170.5	170.5
15°	215.1	218.5	224.5	202.2	195.4	159.4	166.2	225.3	296.5	315.3	317.0
17.5°	241.6	245.9	250.2	296.5	315.3	244.2	281.0	316.2	323.0	329.9	329.9
20°	461.0	467.8	379.6	340.1	332.4	413.8	317.9	326.4	338.4	399.3	405.3
22.5°	522.6	526.9	493.5	514.9	377.0	432.7	418.1	418.1	467.8	471.2	472.1
25°	586.1	610.0	546.6	529.5	536.4	437.8	493.5	445.5	452.4	457.5	458.4
27.5°	855.1	851.7	800.3	605.8	538.1	530.4	479.0	439.5	514.1	533.8	534.6
30°	909.1	900.5	854.2	709.4	558.6	525.2	451.5	508.1	494.4	496.9	497.8
32.5°	1250.1	1236.4	1105.3	718.0	583.5	484.9	490.1	473.0	474.7	527.8	529.5
35°	1335.8	1316.9	1132.7	830.2	556.1	491.8	453.2	474.7	483.2	480.7	480.7
37.5°	1450.6	1414.6	1124.1	780.5	578.3	460.1	433.5	448.1	443.0	475.5	473.8
40°	1575.7	1525.1	1128.4	724.0	524.4	431.8	415.5	428.4	425.0	415.5	408.7
42.5°	1735.0	1647.6	1127.5	676.9	474.7	422.4	392.4	391.6	377.0	361.6	356.4
45°	1897.8	1777.0	1131.0	622.9	437.0	414.7	379.6	359.0	346.1	329.9	325.6
47.5°	2076.0	1914.9	1141.3	580.1	407.8	391.6	363.3	338.4	329.0	308.4	306.7
50°	2286.8	2059.7	1144.7	545.8	373.6	371.0	351.3	323.9	309.3	288.7	287.0
52.5°	2513.9	2213.1	1150.7	495.2	347.0	363.3	358.1	320.4	314.4	287.9	286.2
55°	2728.9	2358.8	1149.0	434.4	335.0	356.4	358.1	342.7	333.3	289.6	286.2
57.5°	2987.7	2516.4	1123.3	377.8	316.2	346.1	375.3	362.4	352.1	316.2	309.3
60°	3219.0	2679.2	1047.0	334.2	299.9	335.0	389.8	377.0	347.9	324.7	317.9
62.5°	3489.7	2819.7	940.8	302.5	293.9	338.4	395.0	386.4	350.4	342.7	340.1
65°	3673.1	2872.8	779.7	276.7	293.0	338.4	393.3	395.0	369.3	377.0	376.1
67.5°	3695.4	2804.3	591.2	257.0	282.7	338.4	390.7	412.1	386.4	418.1	419.8
70°	3588.3	2632.9	431.0	237.3	271.6	334.2	391.6	423.3	399.3	449.0	445.5
72°	3341.5	2373.3	348.7	224.5	262.2	327.3	397.6	429.3	410.4	456.7	449.0
72.5°	3277.3	2293.7	333.3	222.8	260.5	326.4	399.3	431.0	411.3	464.4	455.0
75°	2742.6	1826.7	286.2	209.9	263.0	322.2	407.8	430.1	416.4	469.5	471.2
77.5°	2077.7	1231.2	253.6	198.8	262.2	314.4	405.3	423.3	408.7	451.5	461.0
80°	1286.1	716.3	225.3	197.9	260.5	311.0	394.1	405.3	387.3	421.5	424.1
82.5°	703.4	419.0	195.4	194.5	252.8	301.6	372.7	384.7	367.6	405.3	378.7
85°	359.9	284.5	146.5	159.4	221.1	283.6	347.9	347.0	329.9	343.6	324.7
87.5°	277.6	223.6	95.1	114.8	180.8	233.9	286.2	283.6	261.3	263.0	255.3
90°	255.3	199.6	62.5	81.4	150.8	167.9	198.8	191.1	175.6	179.1	176.5
92.5°	257.0	197.1	60.0	86.5	144.8	150.8	182.5	173.1	157.7	159.4	154.2
95°	251.0	189.4	60.0	76.3	120.0	107.1	131.1	127.7	114.8	108.8	106.2
97.5°	120.0	94.2	55.7	56.5	67.7	58.3	79.7	85.7	68.5	54.8	54.8
100°	20.6	31.7	48.8	57.4	48.8	36.8	50.6	58.3	39.4	18.0	19.7
102.5°	20.6	19.7	37.7	48.8	35.1	19.7	29.1	38.6	24.8	13.7	14.6
105°	22.3	20.6	18.0	33.4	20.6	10.3	11.1	19.7	13.7	13.7	13.7
107.5°	24.0	22.3	12.9	12.9	10.3	9.4	8.6	7.7	9.4	13.7	14.6



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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	18.0	18.0	12.0	10.3	9.4	9.4	6.9	6.9	9.4	14.6	14.6
112.5°	12.9	12.9	10.3	8.6	7.7	9.4	6.9	6.9	8.6	14.6	15.4
115°	12.9	12.9	9.4	7.7	6.9	7.7	6.9	6.0	8.6	14.6	15.4
117.5°	12.9	12.9	9.4	6.9	6.0	6.0	5.1	6.0	8.6	14.6	15.4
120°	12.9	12.9	9.4	6.9	6.0	5.1	5.1	5.1	8.6	14.6	15.4
122.5°	12.0	12.0	8.6	6.0	5.1	4.3	4.3	5.1	7.7	13.7	14.6
125°	11.1	11.1	7.7	6.0	5.1	4.3	4.3	4.3	7.7	12.9	13.7
127.5°	10.3	10.3	7.7	5.1	4.3	4.3	4.3	4.3	6.9	12.0	12.9
130°	8.6	8.6	6.9	5.1	4.3	3.4	4.3	4.3	6.9	11.1	11.1
132.5°	6.9	6.9	5.1	4.3	4.3	3.4	3.4	4.3	6.0	9.4	10.3
135°	5.1	5.1	5.1	4.3	4.3	3.4	3.4	3.4	5.1	7.7	8.6
137.5°	4.3	5.1	4.3	4.3	4.3	3.4	3.4	3.4	5.1	6.9	6.9
140°	4.3	4.3	4.3	4.3	4.3	3.4	3.4	3.4	5.1	6.0	6.9
142.5°	4.3	5.1	4.3	4.3	4.3	3.4	3.4	4.3	5.1	6.9	6.9
145°	5.1	5.1	5.1	4.3	4.3	2.6	2.6	4.3	5.1	6.9	6.9
147.5°	5.1	5.1	5.1	4.3	3.4	2.6	2.6	3.4	5.1	6.9	6.9
150°	5.1	5.1	5.1	4.3	3.4	1.7	1.7	3.4	4.3	6.0	6.9
152.5°	5.1	5.1	4.3	4.3	2.6	1.7	0.9	2.6	3.4	5.1	5.1
155°	4.3	4.3	4.3	3.4	2.6	0.9	0.0	0.9	2.6	4.3	4.3
157.5°	3.4	3.4	3.4	2.6	1.7	0.9	0.0	0.9	0.9	2.6	2.6
160°	2.6	2.6	2.6	2.6	1.7	0.9	0.0	0.0	0.9	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

(END OF REPORT)