

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: P416302

Luminaire Tested: **LXF.LXT-PA1-70-730-U-T3-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416302
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-PA1-70-730-U-T3-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 930mA 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: 7249 lumens
Efficiency: N/A
Efficacy: 98.0 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

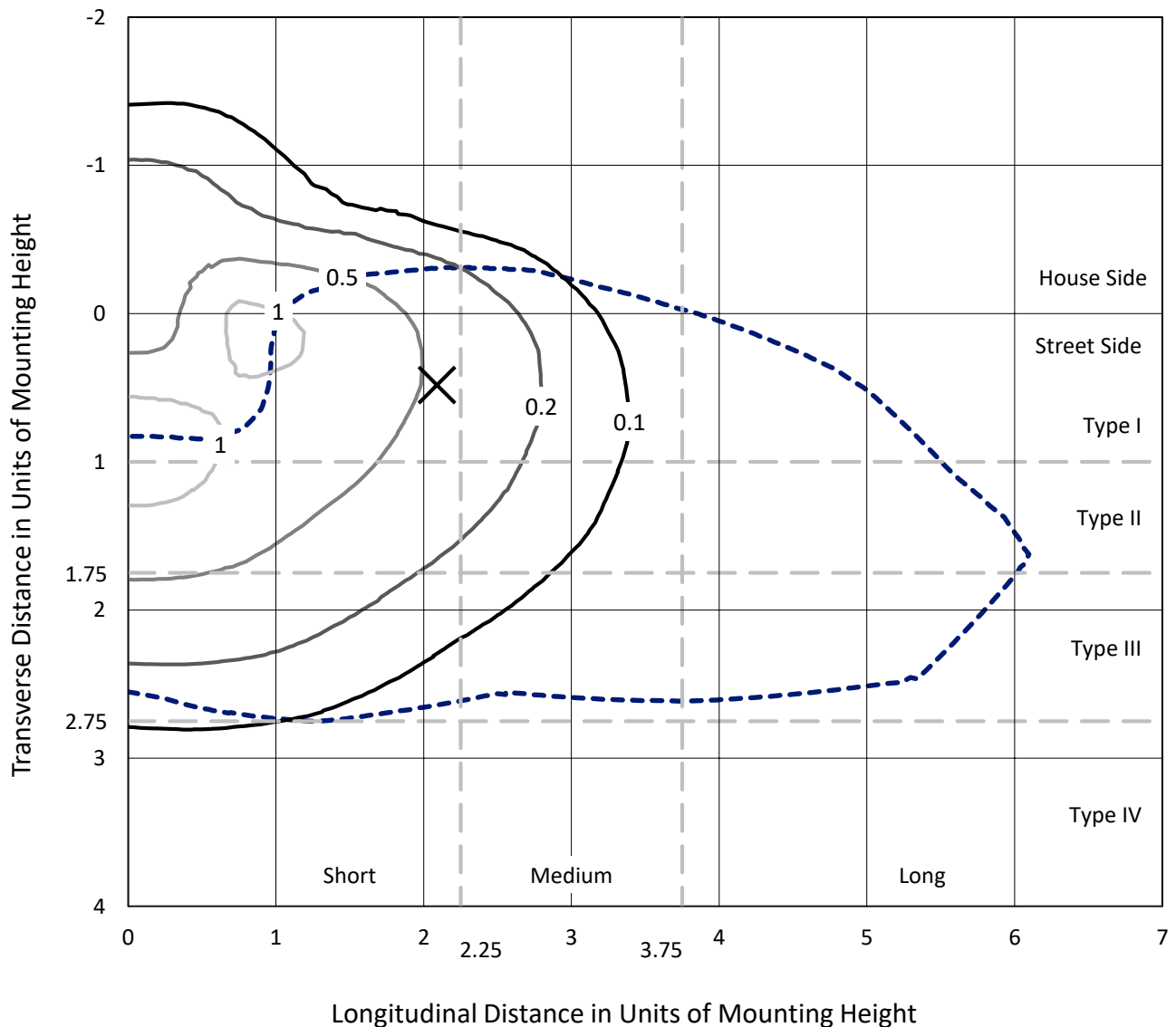
Input Watts (W): 74
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

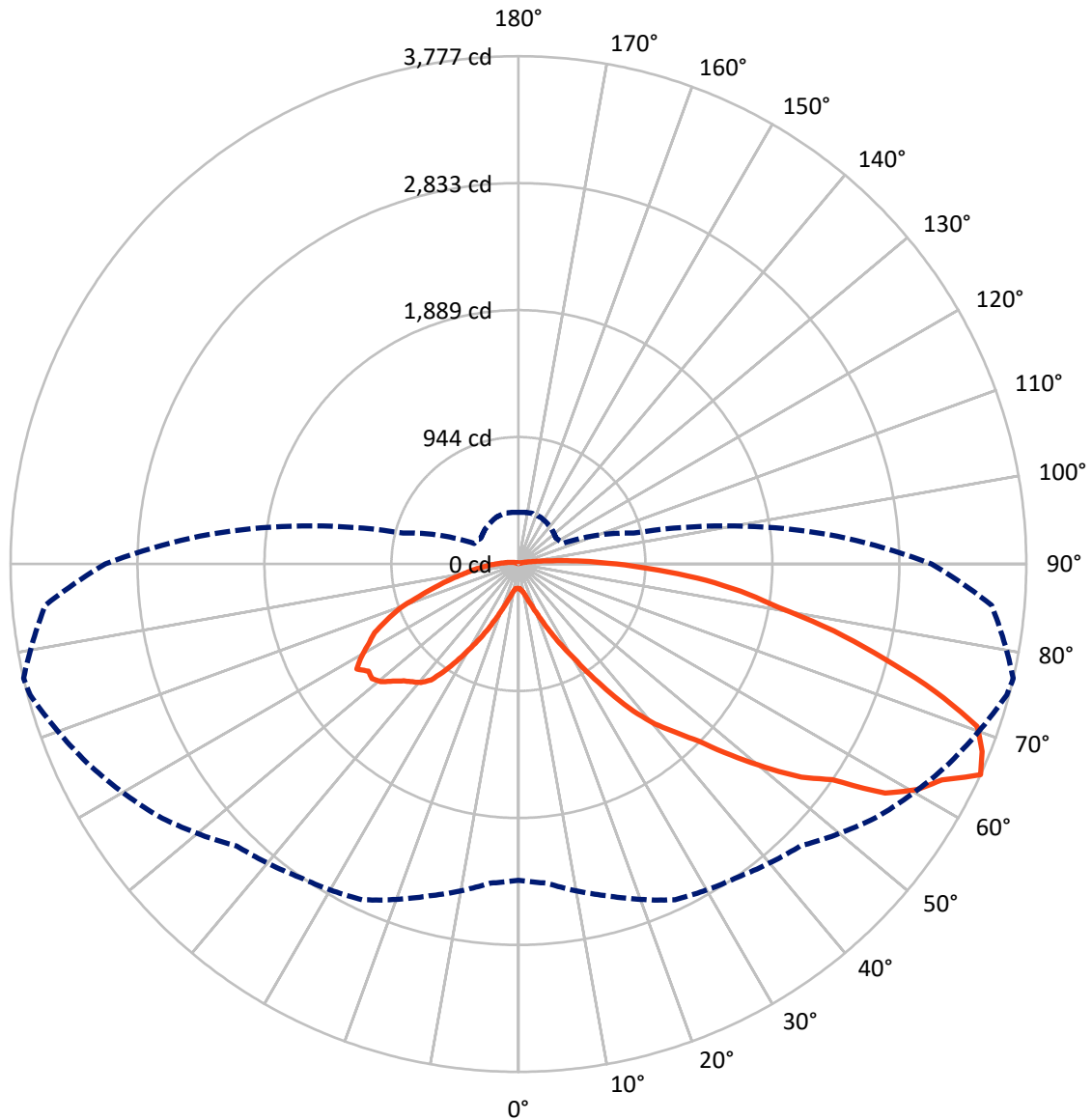
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 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	1597.4	113.6	1711.0
	% Fixture	22.0	1.6	23.6
Street Side	Lumens	5396.0	142.0	5538.1
	% Fixture	74.4	2.0	76.4
Total	Lumens	6993.4	255.6	7249.0
	% Fixture	96.5	3.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.7	0.3
10°-20°	79.4	1.1
20°-30°	232.7	3.2
30°-40°	557.0	7.7
40°-50°	1002.9	13.8
50°-60°	1525.5	21.0
60°-70°	1799.5	24.8
70°-80°	1240.1	17.1
80°-90°	537.7	7.4
90°-100°	157.0	2.2
100°-110°	49.2	0.7
110°-120°	23.0	0.3
120°-130°	13.5	0.2
130°-140°	8.2	0.1
140°-150°	3.6	0.0
150°-160°	1.2	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6993.4	96.5
0°-180°	7249.0	100.0



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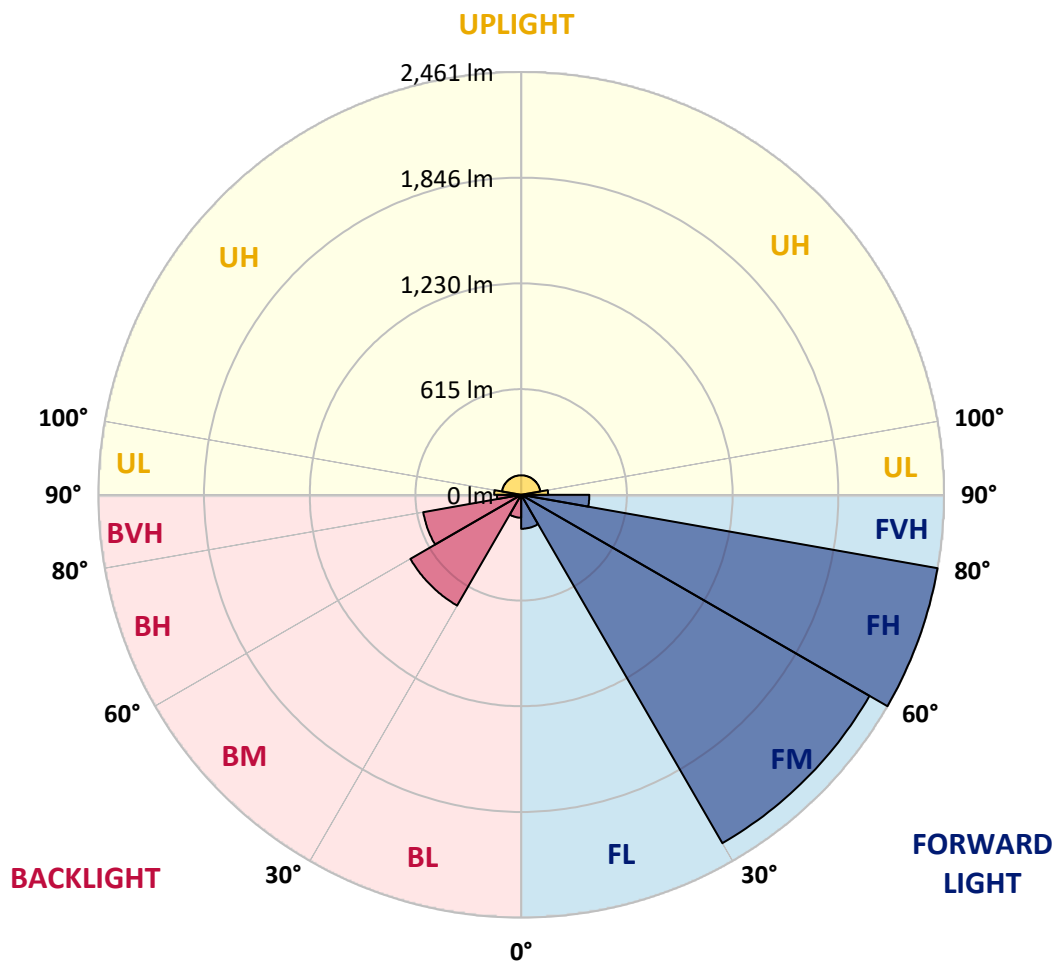
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	197.6	2.7			
FM	(30°-60°)	2340.9	32.3			
FH	(60°-80°)	2460.9	33.9			G2/5000
FVH	(80°-90°)	396.7	5.5			G3/500
BL	(0°-30°)	133.2	1.8	B1/500		
BM	(30°-60°)	744.5	10.3	B1/1000		
BH	(60°-80°)	578.7	8.0	B2/1000		G2/1000
BVH	(80°-90°)	141.0	1.9			G2/225
UL	(90°-100°)	157.0	2.2		U3/500	
UH	(100°-180°)	113.6	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°	182.5	182.5	182.5	182.5	182.5	182.5	182.5	182.5	182.5	182.5	182.5
2.5°	195.8	195.0	195.0	195.8	194.1	192.5	190.0	187.5	185.0	185.0	183.3
5°	211.6	210.8	210.8	210.8	207.5	205.0	199.1	195.8	192.5	190.8	188.3
7.5°	232.5	230.0	230.8	230.0	225.0	220.0	214.1	207.5	203.3	202.5	197.5
10°	260.0	258.3	256.6	253.3	248.3	240.0	231.6	225.8	220.0	219.1	213.3
12.5°	299.1	297.5	294.1	286.6	275.8	265.8	257.5	250.8	247.5	245.8	240.0
15°	346.6	341.6	340.0	328.3	313.3	301.6	292.5	288.3	285.0	285.0	277.5
17.5°	402.5	402.5	394.1	378.3	359.1	345.0	335.8	328.3	330.8	330.0	325.8
20°	471.6	470.0	457.5	436.6	413.3	400.0	388.3	384.1	387.5	390.8	390.8
22.5°	571.6	567.4	548.3	516.6	482.5	460.8	452.5	451.6	465.0	469.1	474.1
25°	684.1	678.3	654.1	615.8	573.3	539.9	528.3	537.4	561.6	570.8	580.8
27.5°	819.9	816.6	779.9	727.4	676.6	633.3	619.9	648.3	680.8	684.1	704.1
30°	994.9	996.6	946.6	870.7	784.1	739.1	724.1	758.3	806.6	809.9	849.9
32.5°	1197.4	1197.4	1122.4	1030.7	919.1	855.7	841.6	896.6	972.4	984.1	1022.4
35°	1455.7	1440.7	1344.9	1213.2	1073.2	979.1	977.4	1063.2	1167.4	1179.0	1220.7
37.5°	1687.3	1696.5	1599.0	1427.4	1238.2	1129.9	1144.1	1253.2	1384.9	1388.2	1433.2
40°	1938.1	1948.1	1833.2	1654.0	1421.5	1299.9	1328.2	1429.9	1560.7	1563.2	1579.0
42.5°	2134.8	2160.6	2053.1	1866.5	1631.5	1493.2	1499.9	1594.8	1695.7	1708.2	1719.0
45°	2252.3	2271.4	2212.3	2063.1	1816.5	1686.5	1670.7	1748.2	1879.8	1876.5	1892.3
47.5°	2437.3	2459.8	2368.9	2233.1	2024.8	1864.0	1844.0	1944.8	2106.5	2123.1	2108.1
50°	2628.9	2658.9	2593.1	2434.8	2219.8	2063.1	2065.6	2180.6	2368.9	2374.8	2383.9
52.5°	2763.1	2784.7	2758.9	2648.9	2420.6	2278.1	2300.6	2438.1	2623.1	2633.9	2597.2
55°	2783.9	2817.2	2838.0	2813.1	2640.6	2499.8	2557.2	2694.7	2819.7	2828.9	2800.6
57.5°	2777.2	2804.7	2848.9	2868.0	2781.4	2728.1	2802.2	2943.0	3183.8	3214.7	3200.5
60°	2769.7	2789.7	2881.4	2909.7	2860.5	2903.0	3021.4	3272.2	3404.7	3407.2	3278.0
62.5°	2561.4	2594.7	2767.2	2909.7	2896.4	2977.2	3236.3	3410.5	3515.5	3534.6	3411.3
65°	2352.3	2381.4	2554.7	2754.7	2843.0	2964.7	3269.7	3526.3	3759.6	3777.1	3533.0
67.5°	2049.8	2095.6	2284.8	2525.6	2633.9	2828.1	3182.2	3567.1	3712.1	3719.6	3440.5
70°	1669.8	1732.3	1945.6	2199.8	2329.8	2526.4	2986.4	3421.3	3623.8	3619.6	3287.2
72.5°	1203.2	1259.0	1454.0	1755.7	1959.0	2173.9	2628.1	3131.4	3246.3	3242.2	2796.4
75°	817.4	847.4	994.1	1269.9	1562.3	1814.8	2263.9	2716.4	2813.9	2806.4	2395.6
77.5°	535.8	569.9	664.9	900.7	1173.2	1464.0	1900.6	2273.9	2427.3	2399.8	2030.6
80°	328.3	347.5	425.8	608.3	889.1	1181.5	1571.5	1924.0	2003.1	1963.1	1658.2
82.5°	205.0	220.0	275.8	401.6	638.3	912.4	1289.0	1619.8	1708.2	1663.2	1364.0
85°	125.8	133.3	171.6	264.1	433.3	670.8	1036.6	1314.0	1368.2	1335.7	1028.2
87.5°	91.7	93.3	117.5	178.3	292.5	480.0	763.3	989.9	1029.1	969.1	720.8
90°	67.5	70.8	86.7	125.8	203.3	325.8	525.8	696.6	706.6	669.9	481.6
92.5°	50.8	52.5	65.0	89.2	140.0	222.5	350.8	466.6	457.5	431.6	299.1
95°	36.7	37.5	46.7	63.3	98.3	149.2	223.3	292.5	263.3	252.5	181.6
97.5°	30.0	30.8	37.5	49.2	72.5	105.0	144.2	174.1	155.0	148.3	116.7
100°	25.8	25.8	31.7	40.8	56.7	78.3	95.8	109.2	100.0	96.7	82.5
102.5°	23.3	23.3	27.5	34.2	46.7	61.7	70.8	75.0	70.0	67.5	60.8
105°	20.8	20.8	24.2	29.2	39.2	50.0	54.2	55.0	50.0	49.2	46.7
107.5°	19.2	19.2	21.7	25.8	33.3	41.7	43.3	40.8	38.3	36.7	36.7
110°	16.7	17.5	19.2	22.5	29.2	35.0	35.0	31.7	28.3	28.3	29.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	15.8	15.8	17.5	20.8	25.8	30.0	28.3	25.0	22.5	22.5	24.2
115°	14.2	14.2	15.8	19.2	23.3	25.8	24.2	20.8	18.3	19.2	20.8
117.5°	13.3	13.3	15.0	17.5	20.8	22.5	20.8	17.5	15.8	16.7	19.2
120°	13.3	13.3	15.0	16.7	19.2	20.0	18.3	15.0	14.2	14.2	16.7
122.5°	13.3	13.3	14.2	16.7	18.3	18.3	15.8	13.3	12.5	12.5	15.0
125°	13.3	13.3	15.0	16.7	16.7	16.7	14.2	11.7	10.8	11.7	13.3
127.5°	14.2	14.2	15.0	15.8	15.8	15.0	12.5	10.8	10.0	10.8	12.5
130°	14.2	14.2	15.0	15.8	15.0	13.3	11.7	10.0	10.0	10.0	12.5
132.5°	14.2	14.2	15.0	15.0	14.2	11.7	10.0	8.3	9.2	10.0	11.7
135°	13.3	13.3	13.3	13.3	12.5	10.8	8.3	7.5	8.3	9.2	10.8
137.5°	12.5	12.5	12.5	12.5	10.8	9.2	6.7	5.8	7.5	7.5	9.2
140°	10.8	10.8	11.7	10.8	10.0	7.5	5.8	4.2	5.8	5.8	7.5
142.5°	10.0	10.0	10.0	10.0	8.3	6.7	4.2	4.2	5.0	5.0	5.8
145°	8.3	8.3	9.2	8.3	6.7	5.0	3.3	3.3	4.2	4.2	5.0
147.5°	6.7	7.5	7.5	6.7	5.8	4.2	2.5	2.5	3.3	3.3	4.2
150°	5.8	5.8	5.8	5.8	4.2	2.5	1.7	2.5	3.3	3.3	3.3
152.5°	4.2	4.2	5.0	5.0	3.3	1.7	1.7	2.5	2.5	2.5	3.3
155°	3.3	3.3	4.2	3.3	2.5	0.8	1.7	1.7	2.5	2.5	2.5
157.5°	1.7	1.7	2.5	2.5	1.7	0.8	0.8	1.7	1.7	1.7	2.5
160°	0.8	0.8	2.5	2.5	1.7	0.8	0.8	0.8	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°	182.5	182.5	182.5	182.5	182.5	182.5	182.5	182.5	182.5	182.5	182.5
2.5°	182.5	180.8	180.0	178.3	176.6	175.0	175.0	175.0	174.1	173.3	174.1
5°	185.8	185.0	180.8	177.5	174.1	172.5	170.8	170.0	170.0	168.3	168.3
7.5°	195.0	191.6	185.8	180.0	176.6	173.3	170.8	170.0	169.1	167.5	167.5
10°	209.1	205.0	198.3	189.1	183.3	177.5	175.0	175.0	174.1	173.3	173.3
12.5°	235.8	230.8	219.1	206.6	195.0	186.6	185.0	187.5	192.5	193.3	193.3
15°	275.0	269.1	254.1	234.1	215.8	204.1	205.8	212.5	219.1	221.6	221.6
17.5°	323.3	316.6	295.0	265.8	241.6	230.8	230.0	239.1	248.3	253.3	253.3
20°	388.3	377.5	349.1	307.5	274.1	261.6	256.6	265.0	279.1	285.0	283.3
22.5°	469.1	456.6	416.6	353.3	311.6	289.1	282.5	291.6	309.1	316.6	315.8
25°	575.8	563.3	498.3	410.8	348.3	313.3	309.1	322.5	348.3	363.3	361.6
27.5°	699.9	679.1	592.4	475.0	384.1	333.3	334.1	356.6	383.3	400.0	398.3
30°	832.4	805.8	687.4	536.6	417.5	355.8	354.1	380.8	408.3	425.8	425.8
32.5°	1007.4	968.2	797.4	595.8	443.3	373.3	367.5	397.5	425.8	444.1	443.3
35°	1194.9	1142.4	912.4	658.3	465.0	382.5	375.8	406.6	435.8	457.5	457.5
37.5°	1409.9	1320.7	1019.9	701.6	480.0	387.5	378.3	413.3	449.1	471.6	470.0
40°	1523.2	1423.2	1071.6	720.8	482.5	388.3	382.5	419.1	449.1	457.5	453.3
42.5°	1649.8	1520.7	1093.2	697.4	473.3	386.6	385.0	413.3	426.6	424.1	421.6
45°	1809.8	1635.7	1114.1	668.3	451.6	384.1	380.8	397.5	398.3	388.3	385.0
47.5°	2014.0	1794.0	1148.2	633.3	430.0	378.3	374.1	381.6	367.5	349.1	343.3
50°	2233.1	1977.3	1190.7	603.3	410.0	370.8	366.6	364.1	350.0	331.6	328.3
52.5°	2423.9	2101.5	1202.4	571.6	396.6	365.8	360.8	358.3	345.0	324.1	320.0
55°	2594.7	2207.3	1161.6	524.1	385.8	362.5	360.8	360.8	346.6	325.0	320.8
57.5°	2932.2	2460.6	1176.5	475.8	371.6	361.6	364.1	365.0	351.6	330.8	326.6
60°	2942.2	2412.3	1089.1	441.6	359.1	361.6	367.5	369.1	360.0	345.8	343.3
62.5°	3038.0	2413.9	971.6	397.5	350.8	360.0	370.0	375.8	376.6	368.3	366.6
65°	3073.0	2378.9	886.6	362.5	339.1	355.8	370.8	385.0	390.0	385.8	384.1
67.5°	2938.9	2218.1	770.8	339.1	327.5	349.1	370.0	387.5	398.3	400.8	400.8
70°	2762.2	2037.3	667.4	316.6	315.0	340.0	364.1	387.5	402.5	409.1	409.1
72.5°	2313.9	1673.2	550.8	293.3	298.3	325.8	351.6	380.0	396.6	402.5	400.0
75°	1935.6	1377.4	453.3	273.3	281.6	308.3	334.1	361.6	373.3	376.6	374.1
77.5°	1637.3	1145.7	372.5	255.0	261.6	285.8	309.1	328.3	335.8	334.1	330.0
80°	1319.9	894.1	305.8	232.5	239.1	258.3	275.0	290.0	297.5	293.3	290.8
82.5°	1050.7	710.8	260.8	212.5	215.0	230.8	242.5	254.1	266.6	263.3	256.6
85°	777.4	523.3	221.6	190.8	190.8	202.5	208.3	219.1	236.6	235.8	233.3
87.5°	531.6	372.5	188.3	169.1	168.3	175.0	178.3	190.0	212.5	213.3	210.8
90°	350.0	255.0	157.5	146.7	145.0	150.0	152.5	162.5	180.8	182.5	179.1
92.5°	227.5	176.6	129.2	124.2	123.3	127.5	126.7	133.3	145.8	145.0	142.5
95°	145.8	123.3	105.0	102.5	100.0	105.0	103.3	105.0	111.7	110.0	110.0
97.5°	100.8	94.2	86.7	82.5	80.8	85.8	84.2	84.2	87.5	84.2	82.5
100°	77.5	75.0	71.7	68.3	65.0	69.2	69.2	69.2	71.7	66.7	65.0
102.5°	60.0	59.2	59.2	56.7	54.2	57.5	58.3	59.2	58.3	53.3	52.5
105°	47.5	47.5	49.2	46.7	45.8	48.3	49.2	48.3	48.3	44.2	44.2
107.5°	37.5	39.2	40.8	39.2	39.2	40.8	40.8	40.8	39.2	36.7	37.5
110°	30.8	32.5	35.0	33.3	33.3	35.0	34.2	33.3	32.5	31.7	31.7



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CATALOG NUMBER: LXF.LXT-PA1-70-730-U-T3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	26.7	27.5	29.2	28.3	29.2	30.0	29.2	27.5	27.5	27.5	28.3
115°	22.5	24.2	25.8	25.0	25.0	25.8	24.2	23.3	23.3	24.2	24.2
117.5°	20.0	21.7	22.5	22.5	21.7	22.5	20.8	20.0	20.8	21.7	21.7
120°	18.3	19.2	20.0	20.0	19.2	19.2	18.3	17.5	18.3	19.2	20.0
122.5°	16.7	17.5	17.5	18.3	17.5	16.7	15.8	15.8	16.7	17.5	17.5
125°	15.0	15.8	15.8	15.8	15.8	15.0	14.2	14.2	15.0	15.8	16.7
127.5°	13.3	14.2	14.2	15.0	14.2	13.3	12.5	13.3	14.2	15.0	15.0
130°	13.3	13.3	13.3	13.3	12.5	11.7	11.7	11.7	13.3	14.2	14.2
132.5°	12.5	13.3	12.5	12.5	11.7	10.0	10.0	10.8	12.5	13.3	13.3
135°	11.7	11.7	10.8	10.8	10.0	9.2	8.3	10.0	10.8	11.7	11.7
137.5°	10.0	10.0	9.2	8.3	8.3	7.5	7.5	8.3	10.0	10.8	10.8
140°	7.5	8.3	7.5	6.7	6.7	5.8	6.7	7.5	9.2	9.2	9.2
142.5°	5.8	6.7	5.8	5.0	5.0	5.0	5.0	6.7	8.3	8.3	8.3
145°	5.0	5.0	5.0	4.2	3.3	3.3	4.2	5.8	7.5	7.5	7.5
147.5°	4.2	4.2	4.2	3.3	2.5	2.5	3.3	5.0	5.8	5.8	5.8
150°	3.3	3.3	3.3	3.3	2.5	1.7	2.5	4.2	5.0	5.0	5.0
152.5°	3.3	3.3	3.3	2.5	1.7	0.8	1.7	3.3	4.2	4.2	4.2
155°	2.5	2.5	2.5	2.5	1.7	0.8	0.8	2.5	3.3	3.3	3.3
157.5°	2.5	2.5	2.5	1.7	0.8	0.0	0.8	2.5	3.3	2.5	2.5
160°	1.7	1.7	1.7	1.7	0.8	0.0	0.8	1.7	2.5	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)