

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: P416562

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

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416562
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-PA1-70-830-U-T3-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 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: 6325 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 III - Short - Non-Cutoff
BUG Rating: B2 - U3 - G3

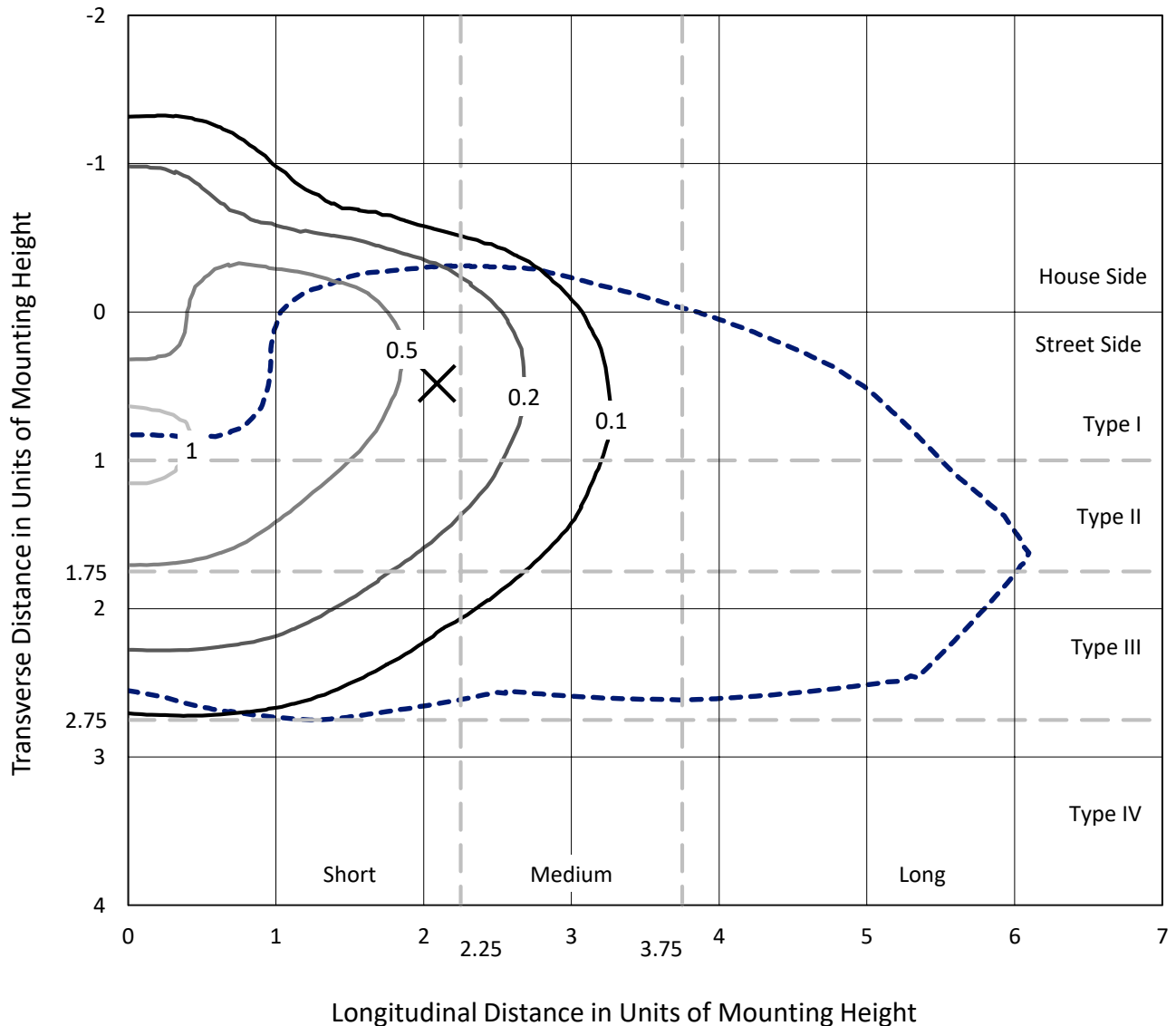
Input Watts (W): 74
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

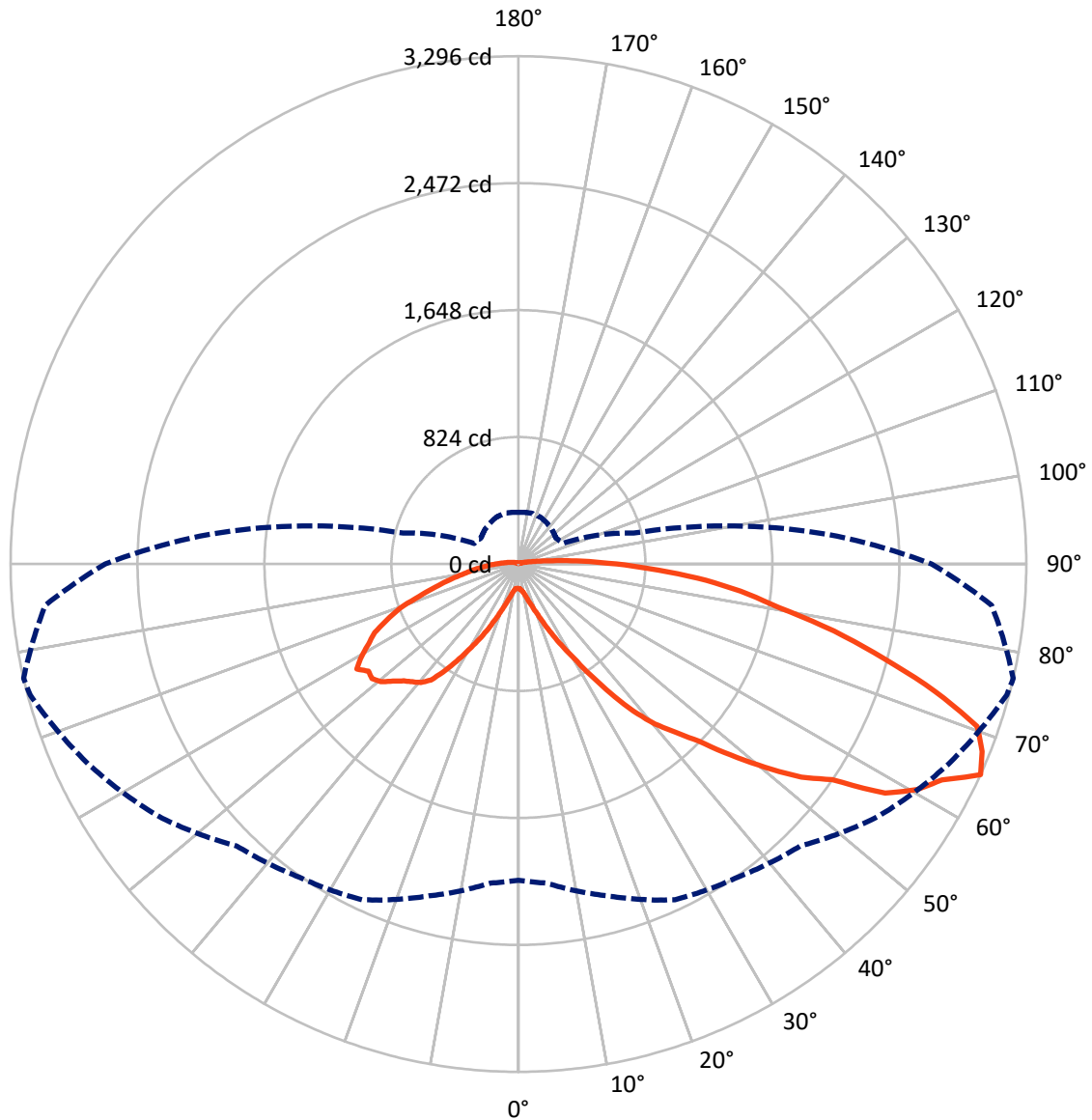
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 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	1393.7	99.1	1492.9
	% Fixture	22.0	1.6	23.6
Street Side	Lumens	4708.2	123.9	4832.1
	% Fixture	74.4	2.0	76.4
Total	Lumens	6102.0	223.0	6325.0
	% Fixture	96.5	3.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.3	0.3
10°-20°	69.3	1.1
20°-30°	203.0	3.2
30°-40°	486.0	7.7
40°-50°	875.1	13.8
50°-60°	1331.0	21.0
60°-70°	1570.1	24.8
70°-80°	1082.0	17.1
80°-90°	469.1	7.4
90°-100°	136.9	2.2
100°-110°	42.9	0.7
110°-120°	20.0	0.3
120°-130°	11.8	0.2
130°-140°	7.2	0.1
140°-150°	3.1	0.0
150°-160°	1.0	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6102.0	96.5
0°-180°	6325.0	100.0



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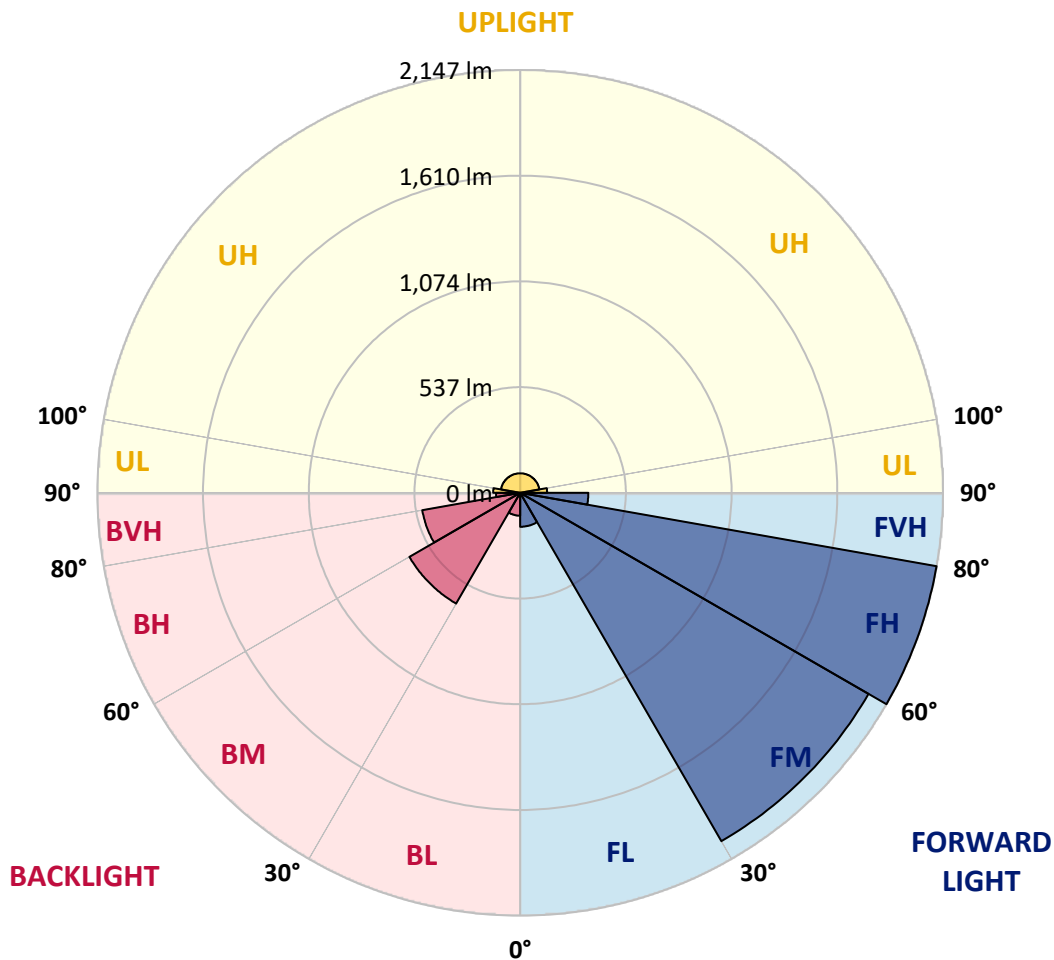
CATALOG NUMBER: LXF.LXT-PA1-70-830-U-T3-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	172.4	2.7			
FM	(30°-60°)	2042.5	32.3			
FH	(60°-80°)	2147.2	33.9			G2/5000
FVH	(80°-90°)	346.1	5.5			G3/500
BL	(0°-30°)	116.2	1.8	B1/500		
BM	(30°-60°)	649.6	10.3	B1/1000		
BH	(60°-80°)	505.0	8.0	B2/1000		G2/1000
BVH	(80°-90°)	123.0	1.9			G2/225
UL	(90°-100°)	136.9	2.2		U3/500	
UH	(100°-180°)	99.1	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°	159.2	159.2	159.2	159.2	159.2	159.2	159.2	159.2	159.2	159.2	159.2
2.5°	170.9	170.1	170.1	170.9	169.4	167.9	165.8	163.6	161.4	161.4	159.9
5°	184.7	183.9	183.9	183.9	181.0	178.9	173.8	170.9	167.9	166.5	164.3
7.5°	202.8	200.7	201.4	200.7	196.3	191.9	186.8	181.0	177.4	176.7	172.3
10°	226.8	225.4	223.9	221.0	216.7	209.4	202.1	197.0	191.9	191.2	186.1
12.5°	261.0	259.6	256.6	250.1	240.6	231.9	224.7	218.8	215.9	214.5	209.4
15°	302.4	298.1	296.6	286.5	273.4	263.2	255.2	251.6	248.6	248.6	242.1
17.5°	351.2	351.2	343.9	330.1	313.4	301.0	293.0	286.5	288.6	287.9	284.3
20°	411.5	410.1	399.1	381.0	360.6	349.0	338.8	335.2	338.1	341.0	341.0
22.5°	498.7	495.1	478.4	450.8	421.0	402.1	394.8	394.1	405.7	409.3	413.7
25°	596.9	591.8	570.7	537.3	500.2	471.1	460.9	468.9	490.0	498.0	506.7
27.5°	715.4	712.5	680.5	634.7	590.4	552.5	540.9	565.6	594.0	596.9	614.3
30°	868.1	869.5	825.9	759.8	684.1	644.9	631.8	661.6	703.8	706.7	741.6
32.5°	1044.8	1044.8	979.3	899.3	801.9	746.7	734.3	782.3	848.5	858.6	892.1
35°	1270.1	1257.1	1173.4	1058.6	936.4	854.3	852.8	927.7	1018.6	1028.8	1065.1
37.5°	1472.3	1480.3	1395.2	1245.4	1080.4	985.9	998.2	1093.5	1208.3	1211.2	1250.5
40°	1691.1	1699.8	1599.5	1443.2	1240.3	1134.2	1158.9	1247.6	1361.7	1363.9	1377.7
42.5°	1862.7	1885.2	1791.4	1628.6	1423.5	1302.9	1308.7	1391.6	1479.5	1490.4	1499.9
45°	1965.2	1981.9	1930.3	1800.1	1584.9	1471.5	1457.7	1525.3	1640.2	1637.3	1651.1
47.5°	2126.6	2146.2	2067.0	1948.5	1766.7	1626.4	1608.9	1696.9	1838.0	1852.5	1839.4
50°	2293.8	2320.0	2262.5	2124.4	1936.8	1800.1	1802.3	1902.7	2067.0	2072.1	2080.1
52.5°	2410.9	2429.8	2407.2	2311.3	2112.0	1987.7	2007.4	2127.3	2288.7	2298.2	2266.2
55°	2429.0	2458.1	2476.3	2454.5	2304.0	2181.1	2231.3	2351.2	2460.3	2468.3	2443.6
57.5°	2423.2	2447.2	2485.7	2502.5	2426.9	2380.3	2445.0	2567.9	2778.0	2804.9	2792.6
60°	2416.7	2434.1	2514.1	2538.8	2495.9	2533.0	2636.2	2855.1	2970.7	2972.9	2860.2
62.5°	2234.9	2264.0	2414.5	2538.8	2527.2	2597.7	2823.8	2975.8	3067.4	3084.1	2976.5
65°	2052.4	2077.9	2229.1	2403.6	2480.7	2586.8	2852.9	3076.8	3280.4	3295.7	3082.6
67.5°	1788.5	1828.5	1993.5	2203.7	2298.2	2467.6	2776.6	3112.5	3239.0	3245.5	3001.9
70°	1457.0	1511.5	1697.6	1919.4	2032.8	2204.4	2605.7	2985.2	3161.9	3158.3	2868.2
72.5°	1049.8	1098.6	1268.7	1531.9	1709.3	1896.8	2293.1	2732.2	2832.5	2828.9	2439.9
75°	713.2	739.4	867.4	1108.0	1363.2	1583.5	1975.4	2370.1	2455.2	2448.7	2090.2
77.5°	467.5	497.3	580.2	785.9	1023.7	1277.4	1658.4	1984.1	2117.9	2093.9	1771.8
80°	286.5	303.2	371.5	530.7	775.8	1030.9	1371.2	1678.7	1747.8	1712.9	1446.8
82.5°	178.9	191.9	240.6	350.4	556.9	796.1	1124.7	1413.4	1490.4	1451.2	1190.2
85°	109.8	116.3	149.8	230.5	378.1	585.3	904.4	1146.5	1193.8	1165.4	897.2
87.5°	80.0	81.4	102.5	155.6	255.2	418.8	666.0	863.7	897.9	845.5	628.9
90°	58.9	61.8	75.6	109.8	177.4	284.3	458.8	607.8	616.5	584.5	420.2
92.5°	44.3	45.8	56.7	77.8	122.1	194.1	306.1	407.1	399.1	376.6	261.0
95°	32.0	32.7	40.7	55.3	85.8	130.1	194.8	255.2	229.7	220.3	158.5
97.5°	26.2	26.9	32.7	42.9	63.3	91.6	125.8	152.0	135.2	129.4	101.8
100°	22.5	22.5	27.6	35.6	49.4	68.3	83.6	95.2	87.2	84.3	72.0
102.5°	20.4	20.4	24.0	29.8	40.7	53.8	61.8	65.4	61.1	58.9	53.1
105°	18.2	18.2	21.1	25.4	34.2	43.6	47.3	48.0	43.6	42.9	40.7
107.5°	16.7	16.7	18.9	22.5	29.1	36.4	37.8	35.6	33.4	32.0	32.0
110°	14.5	15.3	16.7	19.6	25.4	30.5	30.5	27.6	24.7	24.7	25.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	13.8	13.8	15.3	18.2	22.5	26.2	24.7	21.8	19.6	19.6	21.1
115°	12.4	12.4	13.8	16.7	20.4	22.5	21.1	18.2	16.0	16.7	18.2
117.5°	11.6	11.6	13.1	15.3	18.2	19.6	18.2	15.3	13.8	14.5	16.7
120°	11.6	11.6	13.1	14.5	16.7	17.4	16.0	13.1	12.4	12.4	14.5
122.5°	11.6	11.6	12.4	14.5	16.0	16.0	13.8	11.6	10.9	10.9	13.1
125°	11.6	11.6	13.1	14.5	14.5	14.5	12.4	10.2	9.5	10.2	11.6
127.5°	12.4	12.4	13.1	13.8	13.8	13.1	10.9	9.5	8.7	9.5	10.9
130°	12.4	12.4	13.1	13.8	13.1	11.6	10.2	8.7	8.7	8.7	10.9
132.5°	12.4	12.4	13.1	13.1	12.4	10.2	8.7	7.3	8.0	8.7	10.2
135°	11.6	11.6	11.6	11.6	10.9	9.5	7.3	6.5	7.3	8.0	9.5
137.5°	10.9	10.9	10.9	10.9	9.5	8.0	5.8	5.1	6.5	6.5	8.0
140°	9.5	9.5	10.2	9.5	8.7	6.5	5.1	3.6	5.1	5.1	6.5
142.5°	8.7	8.7	8.7	8.7	7.3	5.8	3.6	3.6	4.4	4.4	5.1
145°	7.3	7.3	8.0	7.3	5.8	4.4	2.9	2.9	3.6	3.6	4.4
147.5°	5.8	6.5	6.5	5.8	5.1	3.6	2.2	2.2	2.9	2.9	3.6
150°	5.1	5.1	5.1	5.1	3.6	2.2	1.5	2.2	2.9	2.9	2.9
152.5°	3.6	3.6	4.4	4.4	2.9	1.5	1.5	2.2	2.2	2.2	2.9
155°	2.9	2.9	3.6	2.9	2.2	0.7	1.5	1.5	2.2	2.2	2.2
157.5°	1.5	1.5	2.2	2.2	1.5	0.7	0.7	1.5	1.5	1.5	2.2
160°	0.7	0.7	2.2	2.2	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°	159.2	159.2	159.2	159.2	159.2	159.2	159.2	159.2	159.2	159.2	159.2
2.5°	159.2	157.8	157.0	155.6	154.1	152.7	152.7	152.7	152.0	151.2	152.0
5°	162.1	161.4	157.8	154.9	152.0	150.5	149.0	148.3	148.3	146.9	146.9
7.5°	170.1	167.2	162.1	157.0	154.1	151.2	149.0	148.3	147.6	146.1	146.1
10°	182.5	178.9	173.0	165.0	159.9	154.9	152.7	152.7	152.0	151.2	151.2
12.5°	205.8	201.4	191.2	180.3	170.1	162.9	161.4	163.6	167.9	168.7	168.7
15°	239.9	234.8	221.7	204.3	188.3	178.1	179.6	185.4	191.2	193.4	193.4
17.5°	282.1	276.3	257.4	231.9	210.8	201.4	200.7	208.7	216.7	221.0	221.0
20°	338.8	329.3	304.6	268.3	239.2	228.3	223.9	231.2	243.6	248.6	247.2
22.5°	409.3	398.4	363.5	308.3	271.9	252.3	246.5	254.5	269.7	276.3	275.5
25°	502.4	491.5	434.8	358.4	303.9	273.4	269.7	281.4	303.9	317.0	315.5
27.5°	610.7	592.5	516.9	414.4	335.2	290.8	291.5	311.2	334.4	349.0	347.5
30°	726.3	703.0	599.8	468.2	364.2	310.4	309.0	332.3	356.2	371.5	371.5
32.5°	879.0	844.8	695.8	519.8	386.8	325.7	320.6	346.8	371.5	387.5	386.8
35°	1042.6	996.8	796.1	574.4	405.7	333.7	327.9	354.8	380.2	399.1	399.1
37.5°	1230.2	1152.4	889.9	612.2	418.8	338.1	330.1	360.6	391.9	411.5	410.1
40°	1329.0	1241.8	935.0	628.9	421.0	338.8	333.7	365.7	391.9	399.1	395.5
42.5°	1439.5	1326.8	953.9	608.5	413.0	337.3	335.9	360.6	372.2	370.1	367.9
45°	1579.1	1427.2	972.1	583.1	394.1	335.2	332.3	346.8	347.5	338.8	335.9
47.5°	1757.3	1565.3	1001.9	552.5	375.2	330.1	326.4	333.0	320.6	304.6	299.5
50°	1948.5	1725.3	1038.9	526.4	357.7	323.5	319.9	317.7	305.4	289.4	286.5
52.5°	2115.0	1833.6	1049.1	498.7	346.1	319.2	314.8	312.6	301.0	282.8	279.2
55°	2264.0	1925.9	1013.5	457.3	336.6	316.3	314.8	314.8	302.4	283.5	279.9
57.5°	2558.5	2146.9	1026.6	415.1	324.3	315.5	317.7	318.4	306.8	288.6	285.0
60°	2567.2	2104.8	950.2	385.3	313.4	315.5	320.6	322.1	314.1	301.7	299.5
62.5°	2650.8	2106.2	847.7	346.8	306.1	314.1	322.8	327.9	328.6	321.4	319.9
65°	2681.3	2075.7	773.6	316.3	295.9	310.4	323.5	335.9	340.3	336.6	335.2
67.5°	2564.3	1935.4	672.5	295.9	285.7	304.6	322.8	338.1	347.5	349.7	349.7
70°	2410.1	1777.6	582.4	276.3	274.8	296.6	317.7	338.1	351.2	357.0	357.0
72.5°	2019.0	1459.9	480.6	255.9	260.3	284.3	306.8	331.5	346.1	351.2	349.0
75°	1688.9	1201.8	395.5	238.5	245.7	269.0	291.5	315.5	325.7	328.6	326.4
77.5°	1428.6	999.7	325.0	222.5	228.3	249.4	269.7	286.5	293.0	291.5	287.9
80°	1151.6	780.1	266.8	202.8	208.7	225.4	239.9	253.0	259.6	255.9	253.7
82.5°	916.8	620.2	227.6	185.4	187.6	201.4	211.6	221.7	232.7	229.7	223.9
85°	678.3	456.6	193.4	166.5	166.5	176.7	181.8	191.2	206.5	205.8	203.6
87.5°	463.9	325.0	164.3	147.6	146.9	152.7	155.6	165.8	185.4	186.1	183.9
90°	305.4	222.5	137.4	128.0	126.5	130.9	133.0	141.8	157.8	159.2	156.3
92.5°	198.5	154.1	112.7	108.3	107.6	111.2	110.5	116.3	127.2	126.5	124.3
95°	127.2	107.6	91.6	89.4	87.2	91.6	90.2	91.6	97.4	96.0	96.0
97.5°	88.0	82.2	75.6	72.0	70.5	74.9	73.4	73.4	76.3	73.4	72.0
100°	67.6	65.4	62.5	59.6	56.7	60.3	60.3	60.3	62.5	58.2	56.7
102.5°	52.3	51.6	51.6	49.4	47.3	50.2	50.9	51.6	50.9	46.5	45.8
105°	41.4	41.4	42.9	40.7	40.0	42.2	42.9	42.2	42.2	38.5	38.5
107.5°	32.7	34.2	35.6	34.2	34.2	35.6	35.6	35.6	34.2	32.0	32.7
110°	26.9	28.4	30.5	29.1	29.1	30.5	29.8	29.1	28.4	27.6	27.6



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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	23.3	24.0	25.4	24.7	25.4	26.2	25.4	24.0	24.0	24.0	24.7
115°	19.6	21.1	22.5	21.8	21.8	22.5	21.1	20.4	20.4	21.1	21.1
117.5°	17.4	18.9	19.6	19.6	18.9	19.6	18.2	17.4	18.2	18.9	18.9
120°	16.0	16.7	17.4	17.4	16.7	16.7	16.0	15.3	16.0	16.7	17.4
122.5°	14.5	15.3	15.3	16.0	15.3	14.5	13.8	13.8	14.5	15.3	15.3
125°	13.1	13.8	13.8	13.8	13.8	13.1	12.4	12.4	13.1	13.8	14.5
127.5°	11.6	12.4	12.4	13.1	12.4	11.6	10.9	11.6	12.4	13.1	13.1
130°	11.6	11.6	11.6	11.6	10.9	10.2	10.2	10.2	11.6	12.4	12.4
132.5°	10.9	11.6	10.9	10.9	10.2	8.7	8.7	9.5	10.9	11.6	11.6
135°	10.2	10.2	9.5	9.5	8.7	8.0	7.3	8.7	9.5	10.2	10.2
137.5°	8.7	8.7	8.0	7.3	7.3	6.5	6.5	7.3	8.7	9.5	9.5
140°	6.5	7.3	6.5	5.8	5.8	5.1	5.8	6.5	8.0	8.0	8.0
142.5°	5.1	5.8	5.1	4.4	4.4	4.4	4.4	5.8	7.3	7.3	7.3
145°	4.4	4.4	4.4	3.6	2.9	2.9	3.6	5.1	6.5	6.5	6.5
147.5°	3.6	3.6	3.6	2.9	2.2	2.2	2.9	4.4	5.1	5.1	5.1
150°	2.9	2.9	2.9	2.9	2.2	1.5	2.2	3.6	4.4	4.4	4.4
152.5°	2.9	2.9	2.9	2.2	1.5	0.7	1.5	2.9	3.6	3.6	3.6
155°	2.2	2.2	2.2	2.2	1.5	0.7	0.7	2.2	2.9	2.9	2.9
157.5°	2.2	2.2	2.2	1.5	0.7	0.0	0.7	2.2	2.9	2.2	2.2
160°	1.5	1.5	1.5	1.5	0.7	0.0	0.7	1.5	2.2	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

(END OF REPORT)