

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: P413769

Luminaire Tested: **LXF.LXT-PA1-100-727-U-T4W-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P413769
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-23)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-100-727-U-T4W-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7861 lumens
Efficiency: N/A
Efficacy: 81.9 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 - G4

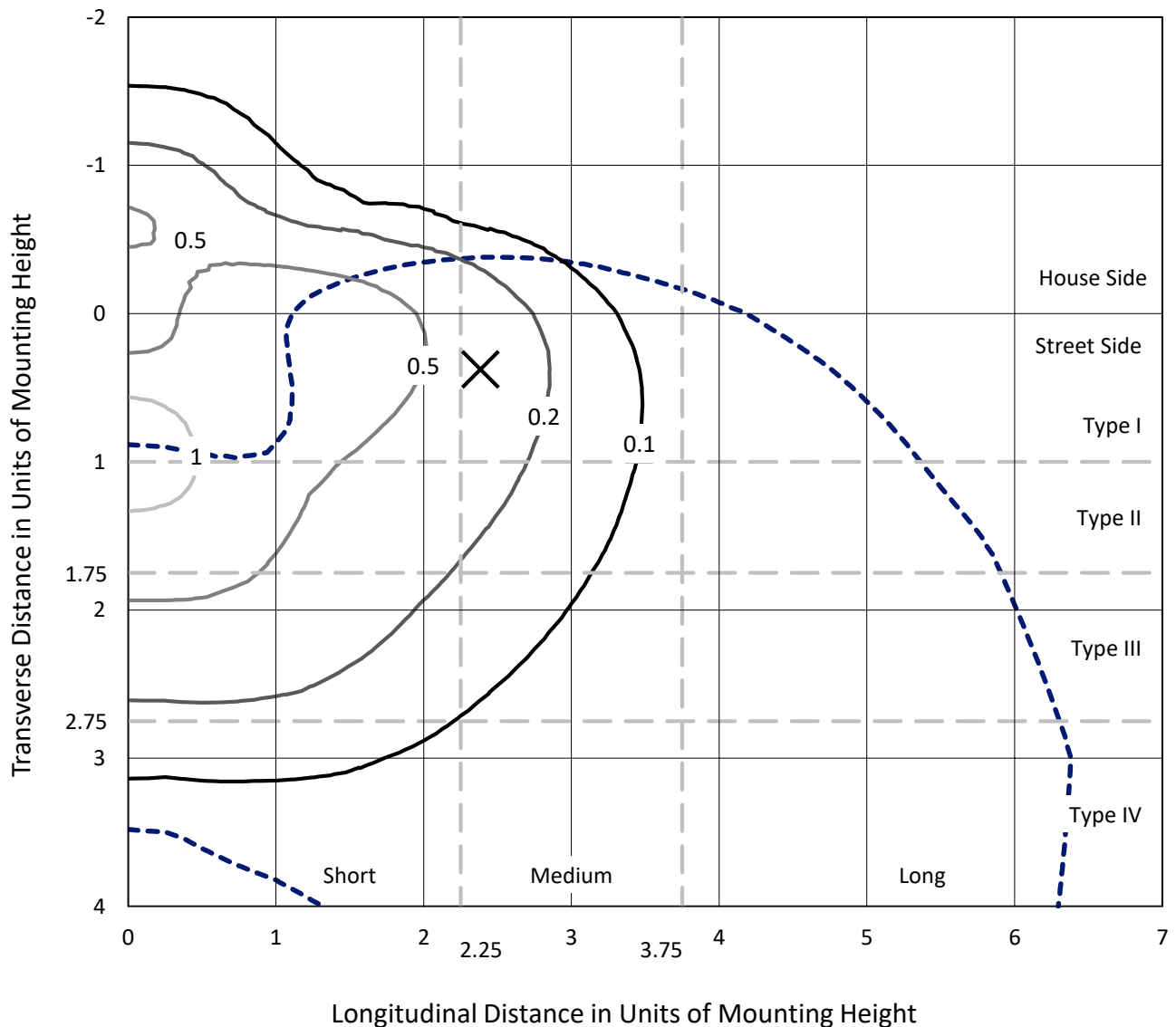
Input Watts (W): 96
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

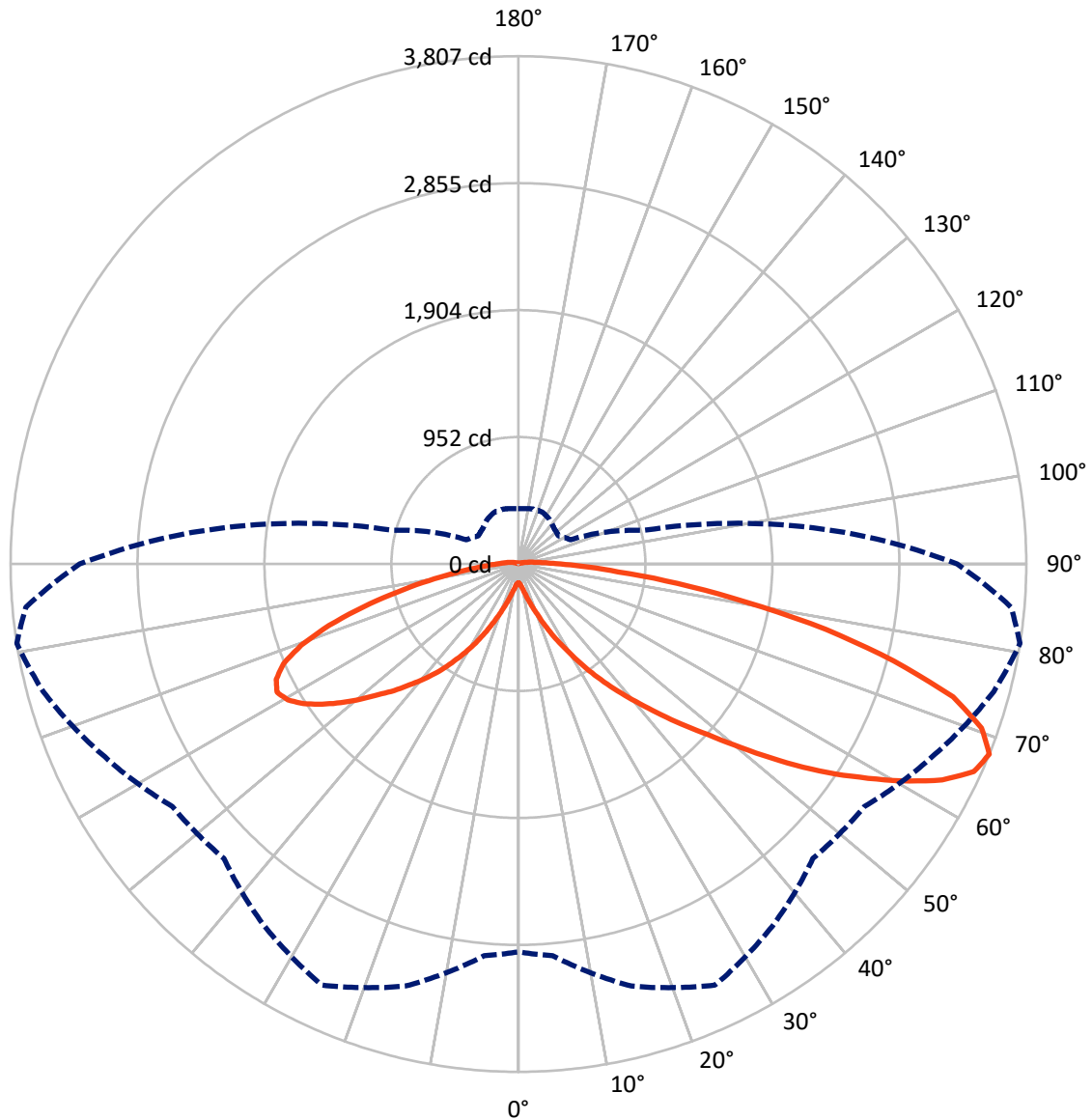
× Max cd
 - - - 1/2 Max cd



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1720.8	122.4	1843.1
	% Fixture	21.9	1.6	23.4
Street Side	Lumens	5864.0	153.9	6017.9
	% Fixture	74.6	2.0	76.6
Total	Lumens	7584.7	276.3	7861.0
	% Fixture	96.5	3.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.2	0.2
10°-20°	81.2	1.0
20°-30°	242.1	3.1
30°-40°	525.5	6.7
40°-50°	921.5	11.7
50°-60°	1460.3	18.6
60°-70°	1970.6	25.1
70°-80°	1690.8	21.5
80°-90°	676.5	8.6
90°-100°	164.6	2.1
100°-110°	57.8	0.7
110°-120°	26.5	0.3
120°-130°	14.3	0.2
130°-140°	8.0	0.1
140°-150°	3.7	0.0
150°-160°	1.2	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	7584.7	96.5
0°-180°	7861.0	100.0



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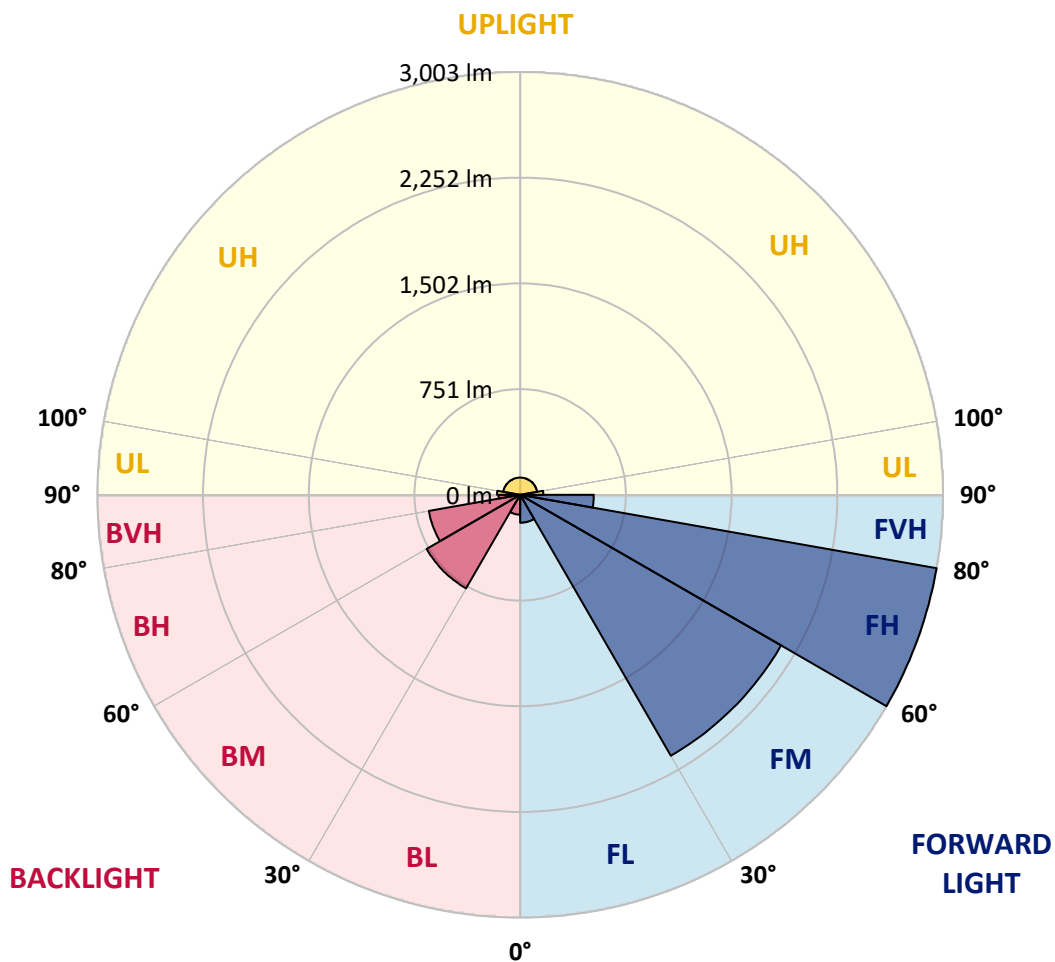
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	198.3	2.5			
FM	(30°-60°)	2139.7	27.2			
FH	(60°-80°)	3003.1	38.2			G2/5000
FVH	(80°-90°)	522.9	6.7			G4/750
BL	(0°-30°)	141.1	1.8	B1/500		
BM	(30°-60°)	767.6	9.8	B1/1000		
BH	(60°-80°)	658.4	8.4	B2/1000		G2/1000
BVH	(80°-90°)	153.6	2.0			G2/225
UL	(90°-100°)	164.6	2.1		U3/500	
UH	(100°-180°)	122.4	1.6		U3/500	

BUG Rating: B2-U3-G4

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
0°	141.5	141.5	141.5	141.5	141.5	141.5	141.5	141.5	141.5	141.5	141.5
2.5°	154.3	153.4	153.4	154.3	154.3	154.3	151.6	148.8	146.1	145.2	144.3
5°	175.3	173.5	173.5	173.5	172.6	169.8	166.2	162.5	158.9	157.0	155.2
7.5°	202.7	201.8	200.9	198.1	197.2	192.6	187.2	181.7	176.2	174.4	172.6
10°	240.1	239.2	234.6	233.7	229.2	224.6	216.4	208.2	200.9	198.1	195.4
12.5°	287.6	287.6	281.2	273.9	268.4	259.3	252.0	241.9	236.5	232.8	229.2
15°	349.7	346.0	337.8	329.6	315.0	304.0	293.1	287.6	283.9	279.4	273.9
17.5°	418.1	413.6	406.3	389.8	370.7	355.1	345.1	339.6	337.8	335.1	328.7
20°	500.3	494.8	484.8	459.2	438.2	417.2	405.4	402.6	404.5	399.9	393.5
22.5°	598.0	594.4	573.4	541.4	512.2	483.0	472.0	473.8	477.5	483.9	480.2
25°	709.4	700.3	680.2	634.5	586.1	557.8	546.9	555.1	571.5	580.7	573.4
27.5°	839.0	833.6	793.4	734.0	671.0	632.7	624.5	648.2	676.5	683.8	683.8
30°	976.0	979.6	921.2	850.9	771.5	718.5	708.5	742.3	790.6	795.2	807.1
32.5°	1149.4	1143.1	1081.9	966.8	872.8	804.3	797.9	845.4	906.6	930.3	930.3
35°	1331.1	1324.7	1249.9	1113.8	983.3	894.7	899.3	949.5	1032.6	1062.7	1067.3
37.5°	1540.2	1519.2	1437.9	1269.0	1103.8	999.7	991.5	1067.3	1165.0	1207.9	1207.9
40°	1770.3	1758.4	1645.2	1445.2	1227.0	1108.4	1102.0	1189.6	1308.3	1355.8	1364.9
42.5°	1994.0	1978.4	1873.4	1616.0	1369.5	1223.4	1224.3	1320.2	1456.2	1521.9	1533.8
45°	2230.4	2215.8	2100.8	1826.0	1523.8	1365.8	1354.9	1474.5	1637.0	1710.0	1723.7
47.5°	2440.4	2430.4	2330.8	2035.0	1715.5	1518.3	1503.7	1641.5	1829.6	1910.9	1952.0
50°	2668.6	2655.9	2562.7	2257.8	1906.3	1680.8	1679.9	1827.8	2063.3	2161.9	2195.7
52.5°	2854.0	2839.4	2774.5	2481.5	2095.3	1870.7	1855.2	2036.9	2305.3	2446.8	2463.2
55°	3024.7	3019.2	2997.3	2721.6	2325.4	2056.9	2067.0	2282.5	2581.0	2740.8	2765.4
57.5°	3148.0	3155.3	3165.3	2962.6	2550.9	2265.1	2283.4	2529.0	2867.7	3016.5	3050.3
60°	3232.0	3257.5	3324.2	3172.6	2780.9	2492.4	2523.5	2772.7	3143.4	3302.3	3329.6
62.5°	3238.3	3265.7	3420.9	3368.9	3001.9	2725.2	2760.9	3023.8	3389.9	3566.1	3568.8
65°	3116.9	3154.3	3402.7	3474.8	3196.3	2948.0	2980.0	3247.5	3596.2	3752.4	3695.7
67.5°	2907.8	2947.1	3275.8	3483.9	3316.9	3121.5	3167.1	3420.9	3689.4	3807.1	3706.7
70°	2604.7	2643.1	2989.1	3346.1	3338.8	3223.7	3284.0	3492.2	3672.0	3683.9	3542.4
72.5°	2206.7	2203.0	2576.4	3044.8	3217.3	3215.5	3311.4	3438.3	3473.9	3407.2	3197.3
75°	1689.9	1737.4	2077.9	2609.3	2940.7	3070.4	3167.1	3215.5	3113.3	2906.9	2679.6
77.5°	1210.6	1249.9	1559.4	2056.9	2529.9	2769.1	2875.9	2853.1	2599.3	2357.3	2096.2
80°	801.6	824.4	1082.8	1535.6	2039.6	2317.1	2445.9	2358.2	2035.9	1726.4	1500.9
82.5°	481.1	518.6	681.1	1079.1	1512.8	1831.4	1910.0	1763.9	1453.5	1201.5	1036.2
85°	291.2	299.5	423.6	690.2	1056.3	1317.4	1392.3	1235.3	955.9	750.5	622.7
87.5°	163.4	178.0	262.0	449.2	710.3	914.8	941.3	813.5	599.8	465.6	389.8
90°	95.9	105.9	160.7	278.5	452.8	591.6	598.9	492.1	355.1	280.3	249.2
92.5°	61.2	68.5	106.8	178.9	291.2	384.4	374.3	304.0	227.3	187.2	161.6
95°	43.8	47.5	74.9	123.3	195.4	241.9	238.3	190.8	152.5	130.6	118.7
97.5°	32.9	36.5	58.4	90.4	131.5	162.5	158.9	126.9	105.9	95.9	91.3
100°	27.4	29.2	47.5	71.2	97.7	116.9	115.0	94.0	79.4	72.1	70.3
102.5°	23.7	25.6	39.3	57.5	77.6	90.4	86.7	73.0	60.3	53.9	52.0
105°	21.0	21.9	33.8	49.3	63.9	71.2	70.3	58.4	46.6	40.2	39.3
107.5°	19.2	20.1	29.2	42.0	53.9	60.3	58.4	47.5	35.6	31.0	30.1
110°	17.3	18.3	25.6	36.5	45.6	51.1	48.4	39.3	28.3	23.7	23.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
112.5°	16.4	16.4	22.8	31.0	39.3	43.8	41.1	32.0	21.9	19.2	20.1
115°	15.5	15.5	20.1	27.4	34.7	38.3	34.7	26.5	18.3	16.4	16.4
117.5°	14.6	14.6	18.3	24.7	31.0	33.8	30.1	22.8	15.5	13.7	14.6
120°	13.7	14.6	17.3	21.9	27.4	29.2	26.5	19.2	12.8	12.8	13.7
122.5°	13.7	13.7	16.4	20.1	24.7	25.6	22.8	16.4	11.9	11.9	11.9
125°	13.7	13.7	15.5	18.3	21.9	22.8	19.2	13.7	11.0	11.0	11.0
127.5°	13.7	13.7	14.6	17.3	19.2	20.1	17.3	12.8	10.0	10.0	11.0
130°	12.8	13.7	13.7	15.5	17.3	17.3	14.6	11.0	9.1	9.1	10.0
132.5°	12.8	12.8	13.7	14.6	15.5	15.5	12.8	10.0	8.2	9.1	9.1
135°	12.8	12.8	12.8	13.7	14.6	13.7	11.0	8.2	7.3	8.2	8.2
137.5°	11.9	11.9	11.9	12.8	12.8	11.9	10.0	7.3	7.3	7.3	7.3
140°	11.0	11.0	11.0	11.0	11.9	11.0	8.2	6.4	6.4	6.4	6.4
142.5°	10.0	10.0	10.0	10.0	10.0	9.1	7.3	5.5	5.5	5.5	5.5
145°	9.1	9.1	9.1	9.1	8.2	7.3	5.5	4.6	4.6	5.5	5.5
147.5°	7.3	7.3	7.3	7.3	7.3	6.4	4.6	3.7	4.6	4.6	4.6
150°	6.4	6.4	6.4	6.4	5.5	5.5	3.7	3.7	3.7	4.6	4.6
152.5°	4.6	4.6	4.6	5.5	4.6	3.7	2.7	2.7	3.7	3.7	3.7
155°	3.7	3.7	3.7	3.7	3.7	2.7	1.8	2.7	3.7	3.7	3.7
157.5°	1.8	2.7	2.7	2.7	2.7	2.7	1.8	2.7	2.7	2.7	2.7
160°	0.9	0.9	1.8	1.8	2.7	2.7	1.8	1.8	2.7	2.7	2.7
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°	141.5	141.5	141.5	141.5	141.5	141.5	141.5	141.5	141.5	141.5	141.5
2.5°	144.3	143.3	142.4	141.5	140.6	140.6	139.7	138.8	137.9	136.9	136.9
5°	154.3	152.5	149.7	147.9	146.1	146.1	144.3	143.3	141.5	140.6	140.6
7.5°	169.8	168.9	163.4	160.7	157.9	157.0	155.2	153.4	151.6	151.6	151.6
10°	192.6	189.9	185.3	178.0	175.3	173.5	170.7	168.9	168.9	169.8	169.8
12.5°	227.3	220.0	213.6	203.6	198.1	194.5	192.6	193.6	198.1	199.9	198.1
15°	267.5	265.7	250.2	235.5	224.6	217.3	221.9	227.3	233.7	235.5	238.3
17.5°	323.2	316.8	295.8	274.8	254.7	251.1	256.5	265.7	273.0	278.5	283.0
20°	389.8	378.9	353.3	316.8	294.0	288.5	292.2	304.9	318.6	329.6	330.5
22.5°	473.8	457.4	411.8	366.1	332.3	323.2	327.8	347.8	367.9	381.6	380.7
25°	565.1	545.0	483.9	418.1	371.6	355.1	363.4	389.8	418.1	434.6	436.4
27.5°	667.4	647.3	562.4	468.4	407.2	382.5	396.2	426.4	464.7	484.8	488.4
30°	787.9	760.5	640.9	522.2	440.1	408.1	420.9	460.1	502.1	530.4	534.1
32.5°	913.0	870.1	719.4	566.0	462.9	424.5	439.1	484.8	533.2	564.2	569.7
35°	1042.6	989.7	798.9	603.5	479.3	434.6	449.2	500.3	551.4	585.2	589.8
37.5°	1188.7	1118.4	871.0	631.8	488.4	437.3	451.9	503.1	555.1	588.0	592.5
40°	1335.7	1241.7	931.2	649.1	489.4	434.6	446.4	495.7	545.0	573.4	577.9
42.5°	1493.6	1371.3	991.5	653.7	484.8	427.3	437.3	481.1	523.1	545.0	547.8
45°	1670.8	1521.0	1042.6	650.0	472.0	416.3	423.6	461.1	493.9	504.0	508.5
47.5°	1857.9	1668.9	1081.9	639.1	459.2	404.5	409.0	440.1	461.1	462.0	462.9
50°	2086.2	1848.8	1130.3	623.6	441.9	393.5	396.2	420.9	430.9	426.4	424.5
52.5°	2336.3	2041.4	1161.3	598.9	426.4	383.5	386.2	405.4	409.0	399.0	399.9
55°	2608.4	2221.3	1187.8	575.2	409.9	377.1	382.5	398.1	398.1	385.3	384.4
57.5°	2862.2	2404.8	1199.7	545.0	396.2	372.5	381.6	397.1	395.3	383.5	382.5
60°	3107.8	2554.5	1185.0	515.8	387.1	370.7	387.1	403.5	401.7	391.7	390.8
62.5°	3277.6	2648.6	1148.5	486.6	378.9	373.4	393.5	412.7	412.7	401.7	401.7
65°	3350.6	2637.6	1073.7	457.4	372.5	375.2	402.6	422.7	420.9	411.8	409.9
67.5°	3289.5	2538.1	973.2	429.1	367.0	377.1	407.2	428.2	426.4	416.3	414.5
70°	3093.2	2329.0	851.8	403.5	359.7	374.3	409.0	427.3	424.5	415.4	411.8
72.5°	2702.4	2004.0	724.9	378.9	348.8	367.9	403.5	420.0	417.2	409.9	405.4
75°	2225.8	1616.0	598.9	351.5	335.1	356.1	391.7	406.3	402.6	396.2	391.7
77.5°	1701.8	1220.7	494.8	325.9	318.6	340.5	375.2	386.2	382.5	377.1	374.3
80°	1204.2	869.2	398.1	297.6	294.9	316.8	346.0	357.9	356.1	350.6	346.0
82.5°	792.5	577.9	317.7	265.7	267.5	290.3	312.2	318.6	317.7	313.2	307.7
85°	488.4	380.7	250.2	229.2	237.4	255.6	273.9	274.8	272.1	271.2	262.9
87.5°	311.3	260.2	196.3	194.5	206.3	221.9	230.1	226.4	228.2	228.2	221.9
90°	202.7	182.6	157.0	162.5	175.3	187.2	190.8	180.8	186.2	183.5	180.8
92.5°	147.0	136.0	127.8	135.1	147.9	158.9	157.0	146.1	148.8	148.8	147.9
95°	111.4	105.9	106.8	114.1	124.2	131.5	127.8	118.7	119.6	117.8	115.0
97.5°	87.6	86.7	90.4	95.9	105.0	109.6	105.9	97.7	96.8	94.0	93.1
100°	69.4	70.3	75.8	82.2	87.6	91.3	88.6	80.3	76.7	72.1	71.2
102.5°	53.9	55.7	63.0	68.5	74.0	76.7	74.0	67.6	61.2	56.6	55.7
105°	42.0	43.8	52.0	57.5	62.1	63.9	62.1	54.8	48.4	42.9	42.9
107.5°	32.9	34.7	42.9	49.3	52.0	53.9	51.1	45.6	38.3	33.8	33.8
110°	26.5	28.3	35.6	41.1	43.8	45.6	42.9	36.5	31.0	27.4	27.4



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CATALOG NUMBER: LXF.LXT-PA1-100-727-U-T4W-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	21.0	23.7	29.2	34.7	37.4	38.3	35.6	31.0	24.7	22.8	22.8
115°	18.3	20.1	24.7	29.2	32.0	32.0	30.1	25.6	20.1	19.2	19.2
117.5°	15.5	17.3	21.0	25.6	27.4	27.4	25.6	21.0	17.3	16.4	16.4
120°	14.6	15.5	18.3	21.9	23.7	23.7	21.9	18.3	14.6	14.6	14.6
122.5°	12.8	13.7	16.4	19.2	21.0	21.0	19.2	15.5	12.8	13.7	13.7
125°	11.9	12.8	14.6	16.4	18.3	18.3	16.4	13.7	11.9	11.9	11.9
127.5°	11.0	11.9	12.8	14.6	15.5	15.5	14.6	11.9	11.0	11.0	11.0
130°	10.0	11.0	11.9	12.8	13.7	13.7	11.9	10.0	10.0	10.0	10.0
132.5°	10.0	10.0	10.0	11.0	11.9	11.9	11.0	9.1	9.1	9.1	9.1
135°	9.1	9.1	9.1	9.1	10.0	10.0	9.1	8.2	8.2	8.2	8.2
137.5°	8.2	8.2	8.2	8.2	9.1	9.1	8.2	7.3	7.3	7.3	7.3
140°	7.3	7.3	7.3	6.4	7.3	7.3	6.4	6.4	6.4	6.4	6.4
142.5°	5.5	6.4	5.5	5.5	5.5	5.5	5.5	4.6	5.5	5.5	5.5
145°	5.5	5.5	5.5	4.6	4.6	4.6	4.6	3.7	4.6	4.6	4.6
147.5°	4.6	4.6	4.6	3.7	2.7	3.7	2.7	3.7	3.7	3.7	3.7
150°	4.6	4.6	3.7	3.7	2.7	1.8	1.8	2.7	2.7	2.7	2.7
152.5°	3.7	3.7	3.7	2.7	1.8	0.9	0.9	1.8	1.8	1.8	1.8
155°	3.7	3.7	2.7	2.7	1.8	0.9	0.9	0.9	0.9	0.9	0.9
157.5°	2.7	2.7	2.7	1.8	1.8	0.9	0.0	0.9	0.0	0.0	0.0
160°	2.7	2.7	2.7	1.8	0.9	0.9	0.0	0.0	0.0	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)