

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: P416672

Luminaire Tested: **LXF.LXT-PA1-80-727-U-T3-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416672
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-PA1-80-727-U-T3-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1050mA 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: 7279 lumens
Efficiency: N/A
Efficacy: 87.7 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): 83
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

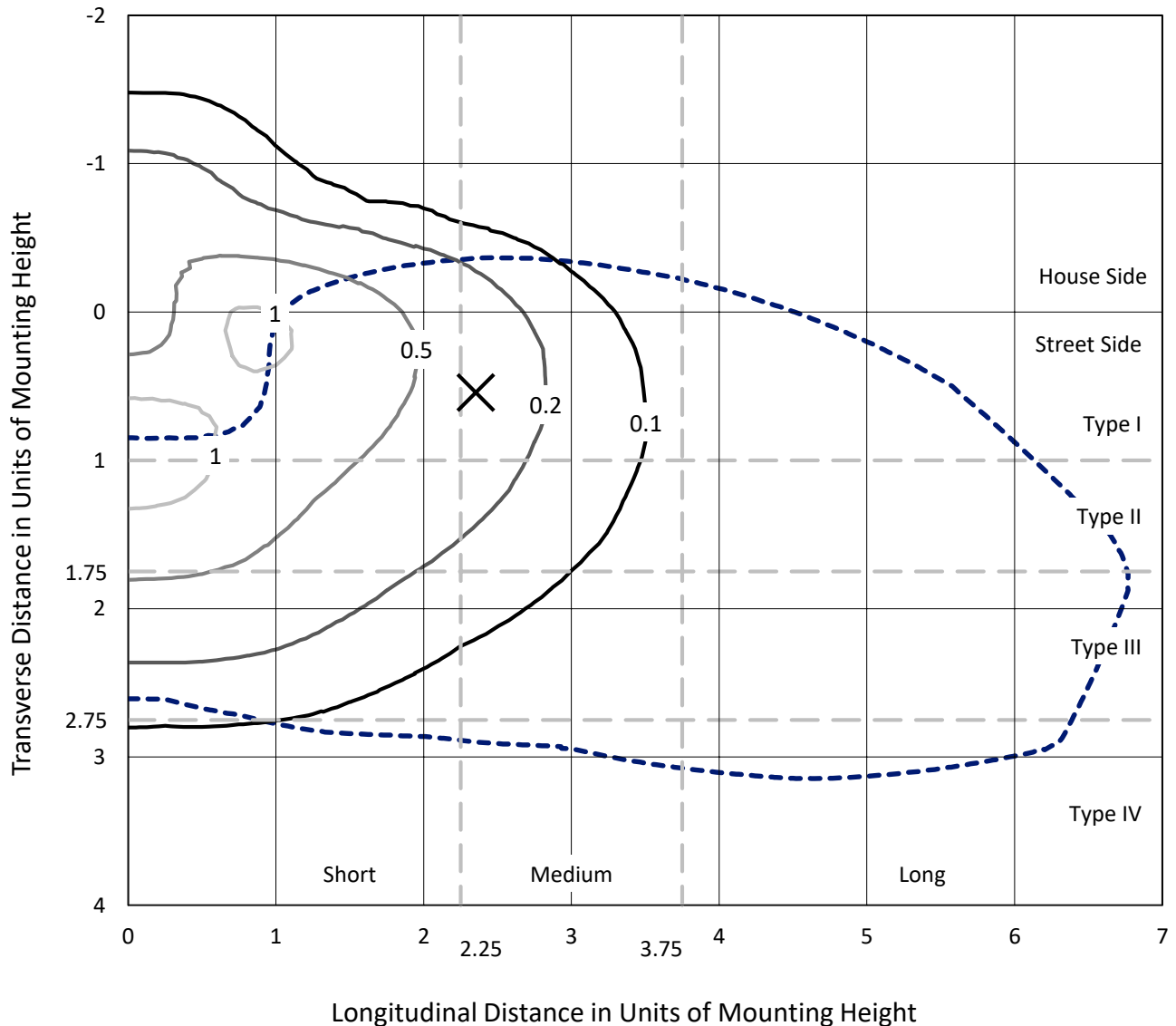




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Iso-Footcandle Lines of Horizontal Illumination

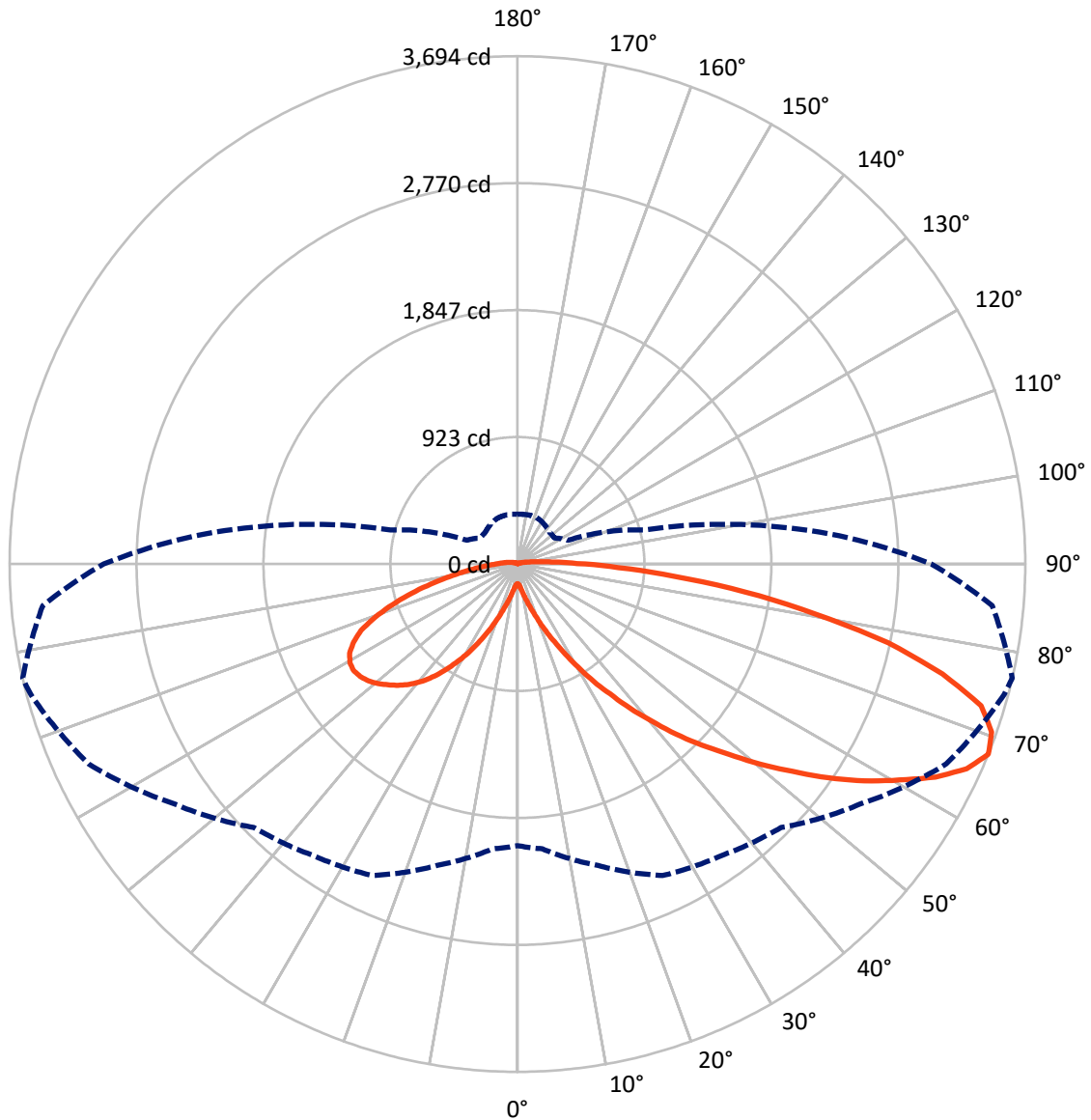
× Max cd
 - - - 1/2 Max cd



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	1660.6	109.3	1770.0
	% Fixture	22.8	1.5	24.3
Street Side	Lumens	5387.2	121.8	5509.0
	% Fixture	74.0	1.7	75.7
Total	Lumens	7047.9	231.1	7279.0
	% Fixture	96.8	3.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.6	0.2
10°-20°	84.4	1.2
20°-30°	252.2	3.5
30°-40°	558.7	7.7
40°-50°	1000.4	13.7
50°-60°	1498.3	20.6
60°-70°	1766.1	24.3
70°-80°	1348.4	18.5
80°-90°	522.7	7.2
90°-100°	133.2	1.8
100°-110°	50.4	0.7
110°-120°	23.7	0.3
120°-130°	12.7	0.2
130°-140°	7.0	0.1
140°-150°	3.2	0.0
150°-160°	1.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7047.9	96.8
0°-180°	7279.0	100.0



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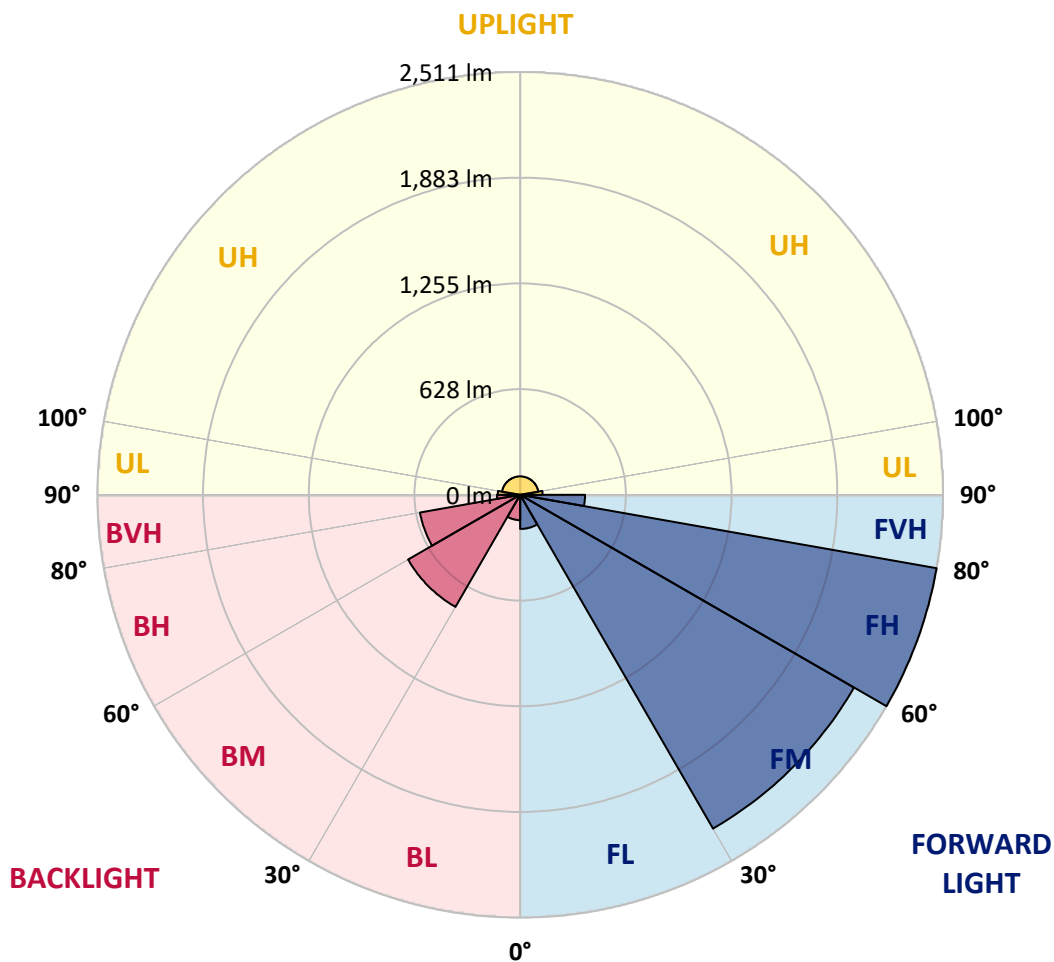
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	202.9	2.8			
FM	(30°-60°)	2288.7	31.4			
FH	(60°-80°)	2510.6	34.5			G2/5000
FVH	(80°-90°)	385.0	5.3			G3/500
BL	(0°-30°)	150.4	2.1	B1/500		
BM	(30°-60°)	768.7	10.6	B1/1000		
BH	(60°-80°)	603.9	8.3	B2/1000		G2/1000
BVH	(80°-90°)	137.7	1.9			G2/225
UL	(90°-100°)	133.2	1.8		U3/500	
UH	(100°-180°)	109.3	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°	143.0	143.0	143.0	143.0	143.0	143.0	143.0	143.0	143.0	143.0	143.0
2.5°	151.4	150.5	151.4	151.4	152.2	150.5	148.9	148.0	147.2	147.2	146.3
5°	167.3	165.6	166.4	167.3	166.4	164.7	162.2	161.4	159.7	159.7	158.1
7.5°	189.8	189.8	189.0	187.3	189.0	186.5	184.8	184.0	181.5	180.6	179.8
10°	224.1	222.4	221.6	219.9	218.3	217.4	214.1	214.1	209.9	211.6	209.1
12.5°	268.4	265.1	265.9	262.6	257.6	254.2	252.5	251.7	251.7	251.7	250.9
15°	322.0	319.4	318.6	311.1	306.1	301.9	298.5	299.4	303.6	304.4	301.1
17.5°	383.0	387.2	379.7	373.0	365.4	357.1	357.1	357.1	360.4	362.9	361.3
20°	468.3	459.9	451.6	440.7	428.2	421.5	418.1	428.2	434.0	438.2	436.5
22.5°	562.0	553.6	544.4	526.8	509.3	496.7	496.7	509.3	522.7	527.7	529.3
25°	668.2	673.2	650.6	623.8	592.1	581.2	582.9	601.3	621.3	625.5	635.6
27.5°	799.5	799.5	780.2	737.6	695.8	674.0	675.7	705.8	735.9	741.8	749.3
30°	959.2	953.3	927.4	870.5	815.3	774.4	781.9	818.7	866.4	871.4	880.6
32.5°	1137.3	1136.5	1086.3	1016.0	936.6	888.1	891.4	945.0	1004.3	1018.6	1028.6
35°	1334.7	1339.7	1274.4	1172.4	1080.4	1015.2	1026.1	1087.1	1156.5	1159.9	1172.4
37.5°	1560.4	1557.9	1480.2	1368.9	1231.8	1162.4	1154.0	1236.8	1309.6	1331.3	1324.6
40°	1810.5	1783.7	1708.5	1570.5	1401.6	1308.7	1310.4	1395.7	1494.4	1501.1	1499.4
42.5°	2057.2	2045.5	1954.3	1767.8	1587.2	1477.7	1481.8	1563.8	1665.8	1691.7	1673.3
45°	2323.1	2293.8	2195.2	2002.8	1782.9	1664.1	1653.3	1745.3	1857.3	1877.4	1859.8
47.5°	2538.0	2519.6	2432.7	2227.8	1992.8	1840.6	1823.9	1936.8	2064.7	2066.4	2040.5
50°	2716.1	2707.0	2638.4	2456.9	2196.0	2037.9	2020.4	2132.4	2266.2	2288.0	2250.4
52.5°	2870.0	2855.0	2820.7	2641.7	2380.8	2206.9	2204.4	2327.3	2494.5	2504.6	2468.6
55°	2919.4	2928.6	2923.5	2797.3	2562.3	2374.1	2395.0	2560.6	2710.3	2745.4	2677.7
57.5°	2911.8	2911.8	2959.5	2901.8	2683.5	2525.5	2570.6	2770.5	2965.4	2976.2	2895.1
60°	2798.1	2800.6	2915.2	2931.1	2770.5	2655.1	2761.3	2983.7	3183.6	3190.3	3114.2
62.5°	2634.2	2628.3	2796.4	2876.7	2781.4	2732.0	2897.6	3170.2	3389.3	3411.9	3297.3
65°	2378.3	2389.2	2570.6	2730.4	2724.5	2761.3	3003.8	3338.3	3556.6	3589.2	3423.6
67.5°	2048.0	2079.8	2270.4	2499.6	2588.2	2710.3	3043.1	3441.2	3665.3	3693.7	3466.3
70°	1696.8	1689.2	1895.8	2183.5	2356.6	2579.8	2999.6	3445.4	3667.8	3658.6	3375.1
72.5°	1287.0	1318.8	1504.4	1797.1	2053.8	2332.3	2858.3	3338.3	3527.3	3525.6	3134.3
75°	914.9	934.1	1098.0	1390.7	1696.8	2043.0	2576.5	3105.0	3243.8	3193.6	2785.6
77.5°	603.8	621.3	762.7	1029.4	1312.9	1679.2	2197.7	2697.8	2808.1	2756.3	2340.7
80°	375.5	383.8	490.9	702.5	954.2	1301.2	1779.5	2206.0	2249.5	2196.8	1802.1
82.5°	223.3	230.0	306.9	450.7	679.9	947.5	1341.3	1690.9	1705.1	1669.2	1299.5
85°	137.1	146.3	195.7	301.1	453.2	668.2	934.9	1174.9	1185.0	1143.2	858.8
87.5°	89.5	94.5	133.0	195.7	305.2	447.4	626.4	781.9	759.3	733.4	542.7
90°	61.0	64.4	91.2	134.6	206.6	296.0	396.4	489.2	453.2	433.2	329.5
92.5°	42.6	46.0	66.9	97.0	143.0	198.2	257.6	292.7	277.6	268.4	207.4
95°	33.5	35.1	51.0	75.3	106.2	140.5	170.6	181.5	172.3	165.6	139.7
97.5°	26.8	28.4	42.6	61.0	82.8	104.5	118.7	122.1	112.9	109.5	97.0
100°	22.6	24.3	36.0	51.0	67.7	82.8	88.6	87.8	80.3	78.6	70.2
102.5°	20.1	20.9	31.8	44.3	57.7	66.9	70.2	66.1	58.5	57.7	52.7
105°	17.6	19.2	27.6	38.5	49.3	56.9	56.9	51.8	43.5	42.6	40.1
107.5°	16.7	16.7	24.3	33.5	42.6	47.7	47.7	41.8	34.3	32.6	30.9
110°	15.1	15.9	21.7	29.3	36.8	41.0	40.1	33.5	25.9	25.1	24.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	14.2	14.2	19.2	25.9	31.8	35.1	33.5	27.6	20.9	20.1	19.2
115°	13.4	13.4	17.6	23.4	28.4	30.9	28.4	22.6	16.7	15.9	16.7
117.5°	12.5	13.4	15.9	20.9	25.1	26.8	24.3	19.2	14.2	13.4	14.2
120°	12.5	12.5	15.1	18.4	21.7	23.4	20.9	15.9	11.7	11.7	12.5
122.5°	12.5	12.5	14.2	16.7	19.2	20.1	17.6	13.4	10.9	10.9	11.7
125°	11.7	11.7	13.4	15.1	17.6	17.6	15.9	11.7	9.2	9.2	10.9
127.5°	11.7	11.7	12.5	14.2	15.9	15.9	13.4	10.0	8.4	9.2	10.0
130°	10.9	10.9	11.7	12.5	14.2	13.4	11.7	9.2	7.5	8.4	9.2
132.5°	10.9	10.9	10.9	11.7	12.5	11.7	10.0	7.5	7.5	7.5	8.4
135°	10.0	10.0	10.9	10.9	10.9	10.0	8.4	6.7	6.7	6.7	7.5
137.5°	10.0	10.0	10.0	10.0	10.0	9.2	7.5	5.9	5.9	5.9	6.7
140°	9.2	9.2	9.2	8.4	8.4	7.5	5.9	5.0	5.0	5.0	5.9
142.5°	8.4	8.4	8.4	7.5	7.5	5.9	5.0	4.2	4.2	5.0	5.0
145°	7.5	7.5	7.5	6.7	5.9	5.0	3.3	3.3	4.2	4.2	5.0
147.5°	5.9	5.9	5.9	5.9	4.2	4.2	2.5	3.3	3.3	4.2	4.2
150°	5.0	5.0	5.0	5.0	3.3	2.5	1.7	2.5	3.3	3.3	3.3
152.5°	4.2	4.2	4.2	4.2	2.5	1.7	1.7	2.5	2.5	2.5	3.3
155°	2.5	2.5	3.3	2.5	1.7	0.8	1.7	1.7	2.5	2.5	2.5
157.5°	1.7	1.7	1.7	1.7	0.8	0.8	0.8	1.7	1.7	1.7	2.5
160°	0.8	0.8	1.7	1.7	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°	143.0	143.0	143.0	143.0	143.0	143.0	143.0	143.0	143.0	143.0	143.0
2.5°	145.5	146.3	145.5	144.7	144.7	143.8	143.8	143.8	143.8	143.0	143.0
5°	158.9	158.1	157.2	155.5	153.9	152.2	152.2	151.4	150.5	149.7	149.7
7.5°	177.3	177.3	175.6	173.1	170.6	168.9	167.3	166.4	163.9	163.9	163.1
10°	205.7	205.7	200.7	198.2	194.0	189.8	188.2	185.6	184.0	183.1	182.3
12.5°	246.7	244.2	239.2	230.8	222.4	215.8	211.6	209.9	210.7	210.7	211.6
15°	299.4	294.4	286.8	270.9	255.9	245.9	243.3	243.3	244.2	244.2	245.0
17.5°	362.1	354.6	337.8	317.8	296.0	282.7	276.8	276.8	278.5	281.0	283.5
20°	438.2	431.5	405.6	370.5	337.8	320.3	310.2	309.4	312.8	320.3	318.6
22.5°	524.3	516.8	478.3	427.3	382.2	353.7	342.9	346.2	354.6	359.6	359.6
25°	628.0	615.5	557.8	483.4	425.7	385.5	371.3	376.3	388.9	394.7	397.2
27.5°	739.2	722.5	645.6	544.4	459.9	411.4	396.4	403.1	418.1	427.3	429.8
30°	871.4	842.1	737.6	601.3	490.9	429.8	413.9	426.5	443.2	454.1	456.6
32.5°	1010.2	965.0	817.0	649.8	513.5	442.4	426.5	441.5	459.9	472.5	473.3
35°	1149.0	1097.2	904.8	689.1	525.2	448.2	431.5	449.1	469.1	479.2	481.7
37.5°	1299.5	1227.6	980.9	714.2	530.2	447.4	431.5	449.1	468.3	476.7	478.3
40°	1444.2	1355.6	1048.7	729.2	528.5	440.7	425.7	444.1	460.8	466.6	465.8
42.5°	1606.4	1479.3	1103.0	730.0	516.8	430.7	418.1	434.0	445.7	444.9	445.7
45°	1761.1	1610.6	1143.2	724.2	500.9	418.1	408.1	422.3	426.5	422.3	421.5
47.5°	1930.9	1741.1	1174.9	709.1	481.7	406.4	397.2	408.1	408.9	399.7	398.1
50°	2110.7	1871.5	1204.2	681.5	459.1	393.0	387.2	396.4	394.7	379.7	377.1
52.5°	2286.3	2003.7	1222.6	648.1	436.5	381.3	378.8	388.0	383.0	365.4	362.1
55°	2473.6	2125.8	1225.9	614.6	414.8	371.3	371.3	381.3	375.5	357.1	354.6
57.5°	2656.8	2253.7	1213.4	571.2	393.9	360.4	365.4	377.1	373.0	354.6	352.9
60°	2828.2	2349.9	1179.1	530.2	374.6	352.9	361.3	374.6	371.3	356.2	354.6
62.5°	2961.2	2413.4	1124.8	490.0	357.9	345.4	357.1	370.5	371.3	358.8	359.6
65°	3023.1	2413.4	1046.2	449.9	342.9	337.8	352.9	368.0	369.6	362.1	362.1
67.5°	3009.7	2351.5	957.5	408.1	328.6	328.6	347.0	362.9	366.3	362.9	362.9
70°	2868.3	2184.3	836.3	374.6	314.4	317.8	337.8	354.6	359.6	360.4	359.6
72.5°	2638.4	1932.6	710.8	339.5	299.4	306.9	326.1	342.9	349.6	351.2	350.4
75°	2283.0	1640.7	587.9	310.2	283.5	292.7	312.8	327.0	334.5	337.8	336.2
77.5°	1834.7	1302.0	481.7	281.0	265.1	275.1	294.4	306.1	315.3	319.4	316.1
80°	1398.2	969.2	383.0	251.7	242.5	253.4	270.1	282.7	291.0	292.7	290.2
82.5°	992.6	687.4	306.9	224.1	218.3	227.5	242.5	250.9	260.9	260.1	255.1
85°	650.6	466.6	240.8	194.8	192.3	198.2	209.9	214.9	225.0	225.0	219.1
87.5°	423.1	309.4	189.8	163.9	166.4	171.4	177.3	181.5	185.6	186.5	181.5
90°	270.1	211.6	151.4	139.7	142.2	146.3	146.3	145.5	152.2	153.9	149.7
92.5°	177.3	150.5	125.4	118.7	120.4	121.3	121.3	117.9	123.8	124.6	121.3
95°	124.6	112.9	103.7	102.0	102.0	102.0	100.4	96.2	101.2	101.2	99.5
97.5°	93.7	87.8	87.0	87.0	87.0	86.1	83.6	82.0	83.6	83.6	82.8
100°	70.2	69.4	71.9	73.6	74.4	73.6	71.9	69.4	69.4	66.1	66.9
102.5°	53.5	55.2	60.2	62.7	62.7	62.7	61.9	58.5	56.9	53.5	52.7
105°	41.8	43.5	49.3	52.7	53.5	54.4	52.7	49.3	46.0	42.6	41.8
107.5°	32.6	35.1	40.1	44.3	46.0	46.0	45.2	41.8	37.6	33.5	33.5
110°	26.8	28.4	33.5	37.6	39.3	39.3	38.5	34.3	30.1	26.8	26.8



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CATALOG NUMBER: LXF.LXT-PA1-80-727-U-T3-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	21.7	23.4	28.4	31.8	33.5	34.3	32.6	29.3	25.1	21.7	21.7
115°	18.4	20.1	24.3	26.8	28.4	28.4	27.6	24.3	20.9	18.4	18.4
117.5°	15.9	17.6	20.9	23.4	24.3	25.1	23.4	20.9	17.6	15.9	15.9
120°	14.2	15.1	18.4	20.1	20.9	20.9	20.1	17.6	15.1	14.2	14.2
122.5°	12.5	14.2	15.9	17.6	18.4	18.4	17.6	15.1	13.4	12.5	13.4
125°	11.7	12.5	14.2	15.9	15.9	15.9	15.1	13.4	11.7	11.7	11.7
127.5°	10.9	11.7	12.5	13.4	14.2	14.2	13.4	11.7	10.9	10.9	10.9
130°	10.0	10.9	11.7	11.7	12.5	12.5	11.7	10.0	10.0	10.0	10.0
132.5°	9.2	10.0	10.0	10.9	10.9	10.9	10.0	9.2	9.2	9.2	9.2
135°	8.4	8.4	9.2	9.2	9.2	9.2	8.4	8.4	8.4	8.4	8.4
137.5°	7.5	7.5	8.4	7.5	8.4	7.5	7.5	6.7	7.5	7.5	7.5
140°	6.7	6.7	6.7	6.7	6.7	6.7	5.9	5.9	6.7	6.7	6.7
142.5°	5.9	5.9	5.9	5.0	5.0	5.0	5.0	5.0	5.9	5.9	5.9
145°	5.0	5.0	5.0	4.2	4.2	3.3	4.2	4.2	5.0	5.0	5.0
147.5°	4.2	4.2	4.2	4.2	3.3	2.5	2.5	3.3	4.2	4.2	4.2
150°	3.3	4.2	4.2	3.3	2.5	1.7	1.7	2.5	3.3	3.3	3.3
152.5°	3.3	3.3	3.3	2.5	1.7	0.8	0.8	1.7	2.5	2.5	2.5
155°	2.5	2.5	2.5	2.5	1.7	0.8	0.0	1.7	1.7	1.7	1.7
157.5°	2.5	2.5	2.5	1.7	0.8	0.0	0.0	0.8	1.7	0.8	0.8
160°	1.7	1.7	1.7	1.7	0.8	0.8	0.0	0.8	0.8	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)