

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: P416238

Luminaire Tested: **LXF.LXT-PA1-70-727-U-T2R-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416238
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-6)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-70-727-U-T2R-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6460 lumens
Efficiency: N/A
Efficacy: 87.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Medium - Non-Cutoff
BUG Rating: B1 - 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

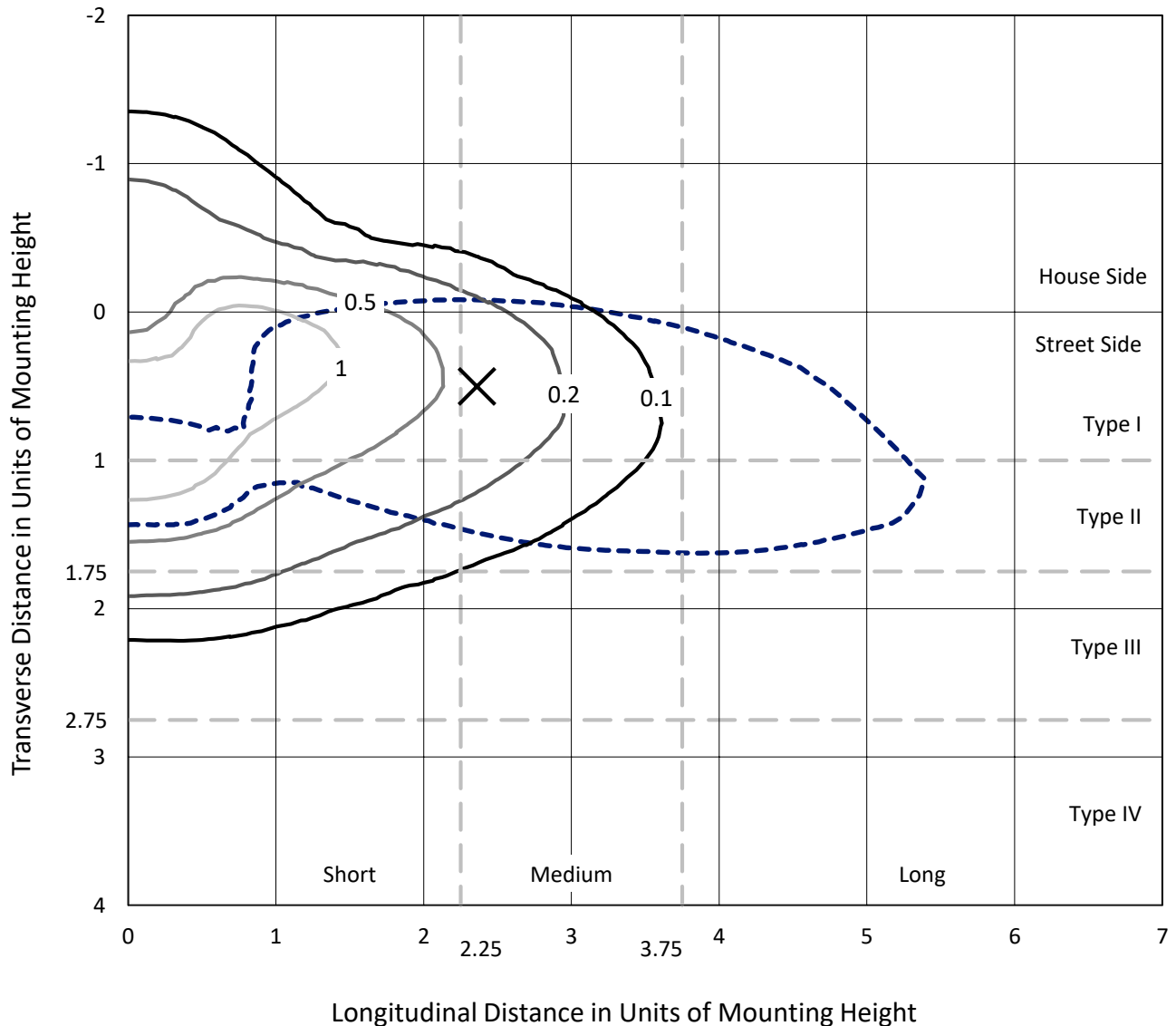


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

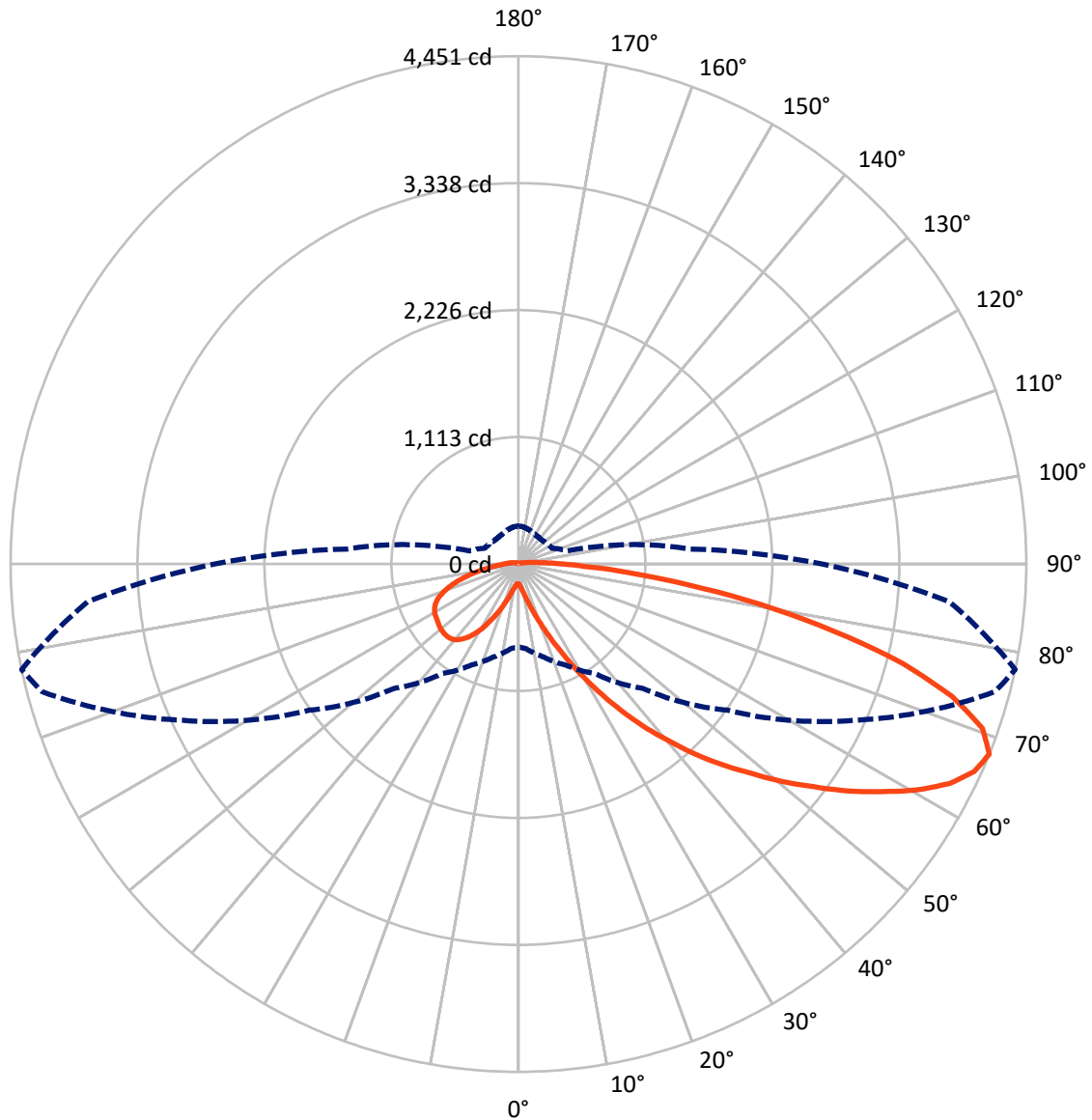


Based on 25 foot mounting height. Maximum calculated value = 2 fc
 Type II - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1227.5	99.7	1327.2
	% Fixture	19.0	1.5	20.5
Street Side	Lumens	5031.8	101.0	5132.9
	% Fixture	77.9	1.6	79.5
Total	Lumens	6259.3	200.7	6460.0
	% Fixture	96.9	3.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.0	0.3
10°-20°	100.3	1.6
20°-30°	305.8	4.7
30°-40°	684.1	10.6
40°-50°	1127.3	17.5
50°-60°	1387.4	21.5
60°-70°	1345.7	20.8
70°-80°	931.9	14.4
80°-90°	356.7	5.5
90°-100°	102.4	1.6
100°-110°	44.4	0.7
110°-120°	23.9	0.4
120°-130°	14.8	0.2
130°-140°	9.2	0.1
140°-150°	4.5	0.1
150°-160°	1.4	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6259.3	96.9
0°-180°	6460.0	100.0

Coefficient of Utilization



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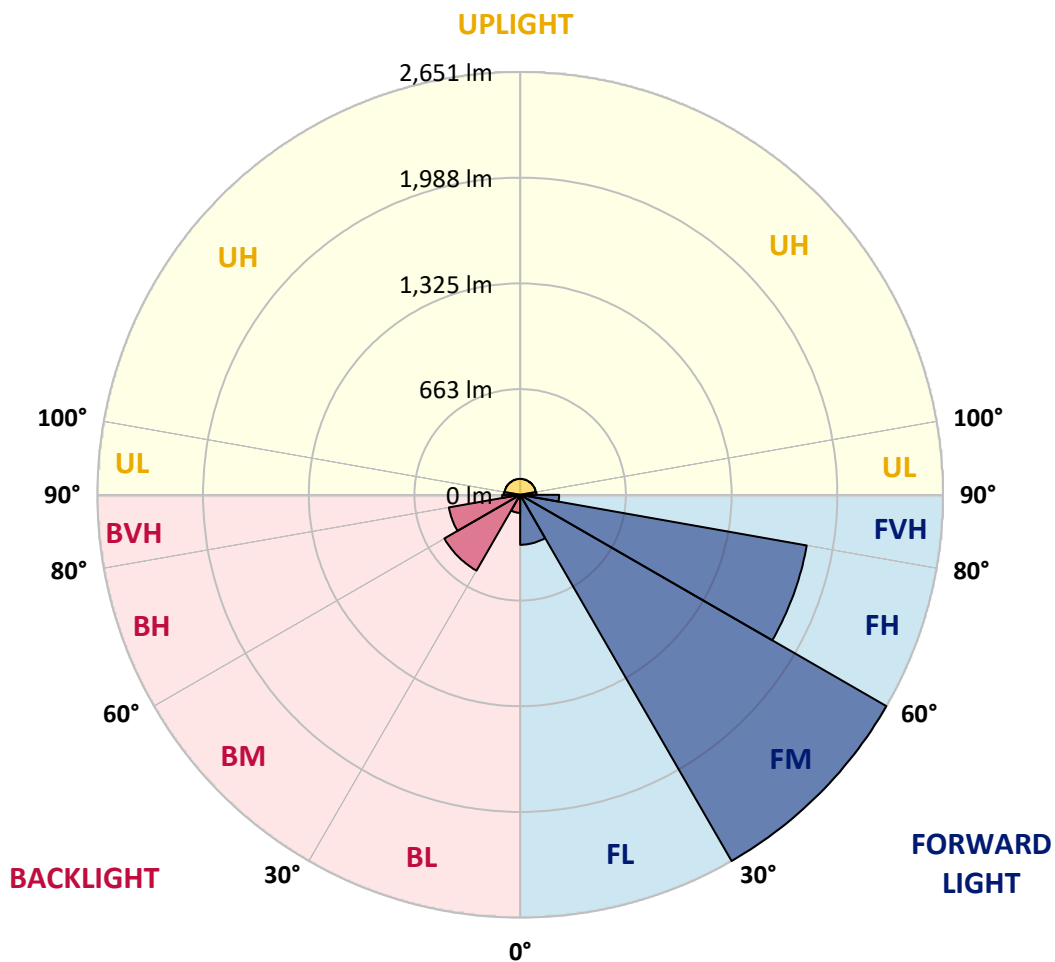
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	313.1	4.8			
FM	(30°-60°)	2650.5	41.0			
FH	(60°-80°)	1824.0	28.2			G2/5000
FVH	(80°-90°)	244.2	3.8			G3/500
BL	(0°-30°)	113.0	1.7	B1/500		
BM	(30°-60°)	548.3	8.5	B1/1000		
BH	(60°-80°)	453.6	7.0	B1/500		G1/500
BVH	(80°-90°)	112.6	1.7			G2/225
UL	(90°-100°)	102.4	1.6		U3/500	
UH	(100°-180°)	99.7	1.5		U3/500	

BUG Rating: B1-U3-G3

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	176.0	176.0	176.0	176.0	176.0	176.0	176.0	176.0	176.0	176.0	176.0
2.5°	209.6	208.1	208.1	207.3	204.3	201.2	196.6	191.3	186.7	183.6	180.6
5°	254.8	249.4	251.0	246.4	241.0	234.9	226.5	215.0	204.3	202.0	193.6
7.5°	309.1	302.2	304.5	299.2	289.2	276.2	264.7	247.9	231.8	226.5	214.2
10°	378.0	371.1	367.2	359.6	348.1	331.3	313.7	291.5	269.3	261.7	246.4
12.5°	459.8	454.5	449.1	438.4	420.0	398.6	376.4	351.9	322.9	312.9	289.2
15°	561.6	557.0	545.5	531.0	504.2	480.5	446.8	424.6	388.7	376.4	347.4
17.5°	675.6	666.4	654.9	633.5	602.9	573.1	544.7	507.3	468.2	458.3	422.3
20°	816.4	813.3	791.1	755.1	721.5	680.9	653.4	616.7	573.1	559.3	511.8
22.5°	983.1	977.0	951.0	896.7	846.2	794.2	772.0	733.7	702.4	683.2	621.3
25°	1183.6	1172.1	1129.3	1064.2	992.3	930.4	893.6	879.9	855.4	826.3	750.6
27.5°	1397.1	1397.8	1338.9	1242.5	1142.3	1068.1	1039.8	1045.1	1015.3	999.2	906.6
30°	1661.0	1641.9	1564.6	1446.0	1310.6	1215.0	1198.1	1224.9	1216.5	1185.1	1075.7
32.5°	1925.0	1918.1	1822.5	1660.3	1482.8	1377.9	1365.7	1423.8	1421.5	1390.2	1250.9
35°	2188.2	2180.5	2061.9	1873.0	1662.6	1542.4	1531.7	1608.2	1635.8	1604.4	1448.3
37.5°	2452.9	2435.3	2315.9	2086.4	1833.2	1693.2	1697.7	1794.2	1858.4	1830.1	1638.8
40°	2686.3	2683.2	2543.9	2283.0	1997.7	1846.2	1876.8	2003.8	2082.6	2043.6	1832.4
42.5°	2865.3	2852.3	2729.1	2446.0	2145.3	1989.3	2042.0	2210.4	2311.4	2284.6	2022.9
45°	2947.9	2940.3	2841.6	2569.2	2260.1	2113.2	2196.6	2401.6	2539.4	2510.3	2218.8
47.5°	2925.7	2918.8	2865.3	2629.6	2335.8	2219.5	2332.8	2587.6	2778.8	2739.8	2413.9
50°	2792.6	2799.5	2782.7	2612.0	2362.6	2287.6	2462.1	2773.5	3012.9	2994.6	2602.1
52.5°	2549.3	2569.2	2596.0	2520.2	2338.1	2318.2	2555.4	2934.9	3245.5	3244.8	2811.0
55°	2233.3	2247.1	2340.4	2326.7	2244.8	2317.5	2624.3	3094.0	3507.2	3511.0	3026.7
57.5°	1898.2	1891.3	2015.3	2087.2	2108.6	2258.6	2657.9	3234.8	3738.3	3765.0	3254.7
60°	1531.7	1557.0	1673.3	1820.2	1900.5	2142.3	2646.5	3334.3	3960.9	4019.8	3462.1
62.5°	1244.8	1233.3	1361.1	1521.0	1684.0	1975.5	2563.1	3381.0	4172.8	4238.6	3653.3
65°	940.3	964.0	1079.6	1221.1	1414.7	1765.1	2428.4	3356.5	4303.7	4387.8	3773.5
67.5°	725.3	743.7	842.4	975.5	1172.9	1541.7	2234.1	3242.5	4323.6	4451.3	3790.3
70°	560.8	575.4	645.0	758.2	946.4	1295.3	1960.9	3025.2	4214.9	4314.4	3635.7
72.5°	446.8	452.9	501.9	593.7	747.5	1056.6	1664.1	2684.0	3886.7	3975.4	3319.0
75°	351.2	360.4	400.1	469.0	583.8	844.7	1360.3	2267.7	3387.1	3478.9	2882.1
77.5°	279.3	288.4	318.3	366.5	452.9	651.1	1062.7	1847.7	2765.1	2821.7	2296.1
80°	221.9	226.5	251.7	287.7	351.9	501.9	800.3	1402.4	2094.1	2153.0	1706.2
82.5°	168.3	172.1	197.4	228.8	274.7	380.3	578.4	986.2	1475.1	1491.2	1158.4
85°	120.9	127.8	148.4	174.4	210.4	283.1	414.7	669.5	941.1	965.6	733.7
87.5°	85.7	88.8	109.4	133.9	160.7	209.6	288.4	440.7	579.2	572.3	445.3
90°	58.1	60.4	78.8	98.7	122.4	156.8	201.2	277.0	355.8	344.3	279.3
92.5°	39.0	42.8	58.1	75.0	95.6	120.9	143.1	181.3	220.3	209.6	177.5
95°	29.1	30.6	44.4	59.7	76.5	92.6	106.3	123.9	140.8	137.7	122.4
97.5°	23.0	24.5	36.0	49.0	62.0	75.0	82.6	88.8	97.9	97.2	88.0
100°	19.9	20.7	30.6	42.1	53.6	62.7	67.3	68.9	71.9	70.4	67.3
102.5°	16.8	18.4	26.8	36.7	46.7	53.6	56.6	55.1	54.3	52.8	49.7
105°	15.3	16.1	23.7	32.9	41.3	46.7	47.4	45.1	41.3	40.6	39.0
107.5°	14.5	15.3	21.4	29.8	36.7	41.3	40.6	37.5	32.9	31.4	30.6
110°	13.8	14.5	19.9	26.8	33.7	36.7	36.0	31.4	26.0	24.5	25.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
112.5°	13.8	13.8	18.4	24.5	30.6	32.9	31.4	26.8	21.4	20.7	21.4
115°	13.0	13.8	17.6	23.0	27.5	29.8	27.5	23.0	18.4	17.6	18.4
117.5°	13.0	13.8	16.8	21.4	26.0	26.8	24.5	19.9	15.3	15.3	16.8
120°	13.0	13.8	16.1	19.9	23.7	24.5	22.2	17.6	13.8	13.8	15.3
122.5°	13.8	13.8	15.3	19.1	22.2	23.0	19.9	15.3	13.0	13.0	14.5
125°	13.8	13.8	15.3	17.6	20.7	20.7	18.4	13.8	11.5	11.5	13.8
127.5°	13.8	13.8	15.3	16.8	19.1	19.1	16.8	13.0	10.7	10.7	13.0
130°	13.8	14.5	14.5	16.1	17.6	17.6	15.3	11.5	10.7	10.7	12.2
132.5°	14.5	14.5	14.5	15.3	16.8	16.1	13.0	10.7	9.9	9.9	11.5
135°	13.8	13.8	13.8	14.5	15.3	14.5	11.5	9.2	9.2	9.9	10.7
137.5°	13.8	13.8	13.8	13.0	13.8	13.0	10.7	8.4	8.4	9.2	9.9
140°	12.2	13.0	12.2	12.2	12.2	11.5	9.2	6.9	7.7	8.4	8.4
142.5°	11.5	11.5	11.5	10.7	10.7	9.9	7.7	6.1	6.9	6.9	7.7
145°	10.7	10.7	9.9	9.2	9.2	7.7	6.1	5.4	6.1	6.1	6.9
147.5°	9.2	9.2	9.2	7.7	6.9	6.1	3.8	3.8	4.6	5.4	5.4
150°	7.7	7.7	7.7	6.9	5.4	4.6	3.1	3.8	3.8	3.8	4.6
152.5°	6.1	6.1	6.1	5.4	4.6	3.1	2.3	3.1	3.1	3.1	3.8
155°	3.8	3.8	3.8	3.8	3.1	1.5	2.3	2.3	3.1	3.1	3.1
157.5°	2.3	2.3	2.3	2.3	1.5	1.5	1.5	2.3	2.3	2.3	2.3
160°	0.8	0.8	1.5	1.5	2.3	1.5	1.5	1.5	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°	176.0	176.0	176.0	176.0	176.0	176.0	176.0	176.0	176.0	176.0	176.0
2.5°	178.3	176.0	172.1	168.3	164.5	160.7	157.6	156.8	154.5	154.5	153.8
5°	189.0	185.2	175.2	167.6	159.1	152.3	146.9	144.6	142.3	140.8	140.8
7.5°	208.1	199.7	185.2	172.1	160.7	150.7	143.8	140.0	137.0	135.4	135.4
10°	234.1	223.4	201.2	182.1	165.3	153.0	145.4	140.8	138.5	137.0	136.2
12.5°	272.4	257.1	224.9	197.4	176.0	160.7	150.7	147.7	148.4	148.4	148.4
15°	324.4	302.2	258.6	221.1	190.5	170.6	163.7	163.7	166.0	166.8	165.3
17.5°	391.7	361.9	300.7	244.8	208.9	188.2	180.6	180.6	184.4	186.7	186.7
20°	474.4	431.5	345.1	276.2	230.3	208.1	198.9	199.7	204.3	207.3	207.3
22.5°	569.2	518.7	401.7	308.3	254.0	225.7	215.8	216.5	224.2	228.0	229.5
25°	692.4	614.4	458.3	341.2	276.2	242.5	232.6	233.4	243.3	248.7	248.7
27.5°	822.5	720.7	515.7	373.4	295.3	257.8	247.9	250.2	260.9	265.5	267.0
30°	961.0	834.0	573.1	400.9	310.6	269.3	259.4	264.0	273.9	280.8	281.6
32.5°	1114.7	944.9	619.0	423.1	323.6	279.3	269.3	276.2	284.6	292.3	293.0
35°	1275.4	1055.1	659.5	438.4	332.1	287.7	277.0	283.9	292.3	299.2	298.4
37.5°	1419.3	1145.3	686.3	444.5	336.6	292.3	282.3	289.2	296.9	302.2	302.2
40°	1560.8	1239.5	699.3	439.9	336.6	294.6	284.6	292.3	299.2	302.2	302.2
42.5°	1695.5	1309.1	697.0	430.7	335.1	295.3	286.1	293.0	299.2	300.7	300.7
45°	1811.7	1373.3	683.2	415.4	329.8	294.6	286.9	293.0	297.6	297.6	298.4
47.5°	1949.5	1423.8	663.3	399.4	323.6	293.0	285.4	292.3	296.1	296.1	295.3
50°	2073.4	1472.8	636.6	381.8	318.3	291.5	284.6	291.5	296.1	294.6	294.6
52.5°	2205.0	1516.4	609.0	365.7	312.9	290.7	284.6	291.5	296.1	295.3	296.1
55°	2326.7	1560.0	574.6	351.2	309.9	290.0	285.4	292.3	298.4	298.4	297.6
57.5°	2482.7	1583.0	547.8	341.2	306.8	290.0	286.1	293.8	301.4	302.2	303.0
60°	2592.9	1612.8	525.6	335.1	306.8	291.5	288.4	296.1	306.0	309.9	312.2
62.5°	2673.2	1611.3	498.8	332.1	307.6	293.0	290.7	298.4	311.4	316.7	319.8
65°	2715.3	1583.7	471.3	329.8	308.3	294.6	292.3	299.9	315.2	325.2	328.2
67.5°	2660.2	1509.5	443.0	325.9	307.6	293.8	293.0	301.4	317.5	330.5	332.1
70°	2526.3	1384.1	409.3	317.5	304.5	291.5	290.7	297.6	315.2	330.5	332.1
72.5°	2272.3	1224.9	370.3	305.3	297.6	286.1	283.9	290.7	307.6	322.9	322.9
75°	1932.6	1040.5	332.1	287.7	283.9	277.0	274.7	278.5	293.0	307.6	308.3
77.5°	1513.4	828.6	291.5	263.2	267.0	261.7	259.4	261.7	274.7	284.6	285.4
80°	1151.5	631.2	252.5	234.1	243.3	241.8	239.5	238.7	247.9	255.5	253.2
82.5°	794.2	449.1	208.9	203.5	213.5	215.8	215.0	209.6	216.5	222.6	218.8
85°	512.6	317.5	174.4	172.1	181.3	185.2	184.4	180.6	182.1	189.0	181.3
87.5°	331.3	228.0	143.8	142.3	150.0	154.5	154.5	146.9	150.0	156.8	148.4
90°	207.3	161.4	120.1	119.4	124.7	127.0	123.9	119.4	120.9	124.7	121.7
92.5°	146.9	121.7	100.2	100.2	101.8	103.3	101.8	96.4	99.5	99.5	99.5
95°	107.1	96.4	87.2	85.7	84.9	84.2	83.4	79.6	82.6	81.9	79.6
97.5°	81.9	77.3	74.2	73.4	71.9	71.2	70.4	67.3	69.6	68.1	66.6
100°	64.3	63.5	63.5	63.5	62.0	59.7	59.7	58.9	58.9	56.6	56.6
102.5°	51.3	51.3	54.3	55.1	53.6	52.0	52.0	51.3	50.5	47.4	46.7
105°	40.6	42.1	46.7	47.4	46.7	45.1	44.4	44.4	42.8	39.0	39.0
107.5°	32.9	34.4	39.8	41.3	40.6	39.8	39.0	38.3	36.7	32.9	32.9
110°	26.8	29.1	33.7	36.0	35.2	34.4	34.4	32.9	31.4	28.3	28.3



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CATALOG NUMBER: LXF.LXT-PA1-70-727-U-T2R-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	23.0	25.2	29.1	31.4	31.4	30.6	29.8	29.1	26.8	24.5	24.5
115°	19.9	22.2	26.0	27.5	27.5	26.8	26.0	25.2	23.0	21.4	22.2
117.5°	18.4	19.9	23.0	24.5	24.5	23.7	23.0	22.2	20.7	19.9	19.9
120°	16.8	18.4	20.7	22.2	22.2	21.4	20.7	19.9	18.4	18.4	18.4
122.5°	15.3	16.8	19.1	19.9	19.9	19.1	18.4	17.6	16.1	16.8	16.8
125°	14.5	15.3	16.8	18.4	18.4	17.6	16.8	15.3	14.5	15.3	15.3
127.5°	13.8	14.5	16.1	16.8	16.8	16.1	14.5	13.8	13.0	13.8	13.8
130°	13.0	13.8	14.5	15.3	15.3	13.8	13.0	12.2	12.2	13.0	13.0
132.5°	12.2	13.0	13.0	13.8	13.8	13.0	11.5	10.7	10.7	11.5	11.5
135°	11.5	11.5	12.2	12.2	12.2	11.5	9.9	9.2	9.9	10.7	10.7
137.5°	9.9	10.7	10.7	11.5	10.7	9.9	8.4	8.4	9.2	9.2	9.2
140°	9.2	9.2	9.9	9.9	9.2	8.4	7.7	6.9	7.7	8.4	8.4
142.5°	8.4	8.4	8.4	8.4	8.4	6.9	6.1	6.1	6.9	6.9	6.9
145°	6.9	6.9	7.7	6.9	6.9	5.4	4.6	5.4	6.1	6.1	6.1
147.5°	5.4	6.1	6.1	6.1	5.4	3.8	3.1	4.6	5.4	5.4	5.4
150°	4.6	4.6	4.6	4.6	4.6	3.1	2.3	3.8	4.6	4.6	4.6
152.5°	3.8	3.8	4.6	4.6	3.8	2.3	1.5	3.1	3.8	3.8	3.1
155°	3.1	3.1	3.8	3.8	3.1	1.5	1.5	2.3	3.1	3.1	2.3
157.5°	2.3	3.1	3.1	3.1	2.3	1.5	0.8	1.5	2.3	2.3	2.3
160°	2.3	2.3	2.3	3.1	2.3	1.5	0.8	1.5	2.3	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)