

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: P416290

Luminaire Tested: **LXF.LXT-PA1-70-730-U-T2R-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416290
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-PA1-70-730-U-T2R-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 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: 7035 lumens
Efficiency: N/A
Efficacy: 95.1 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

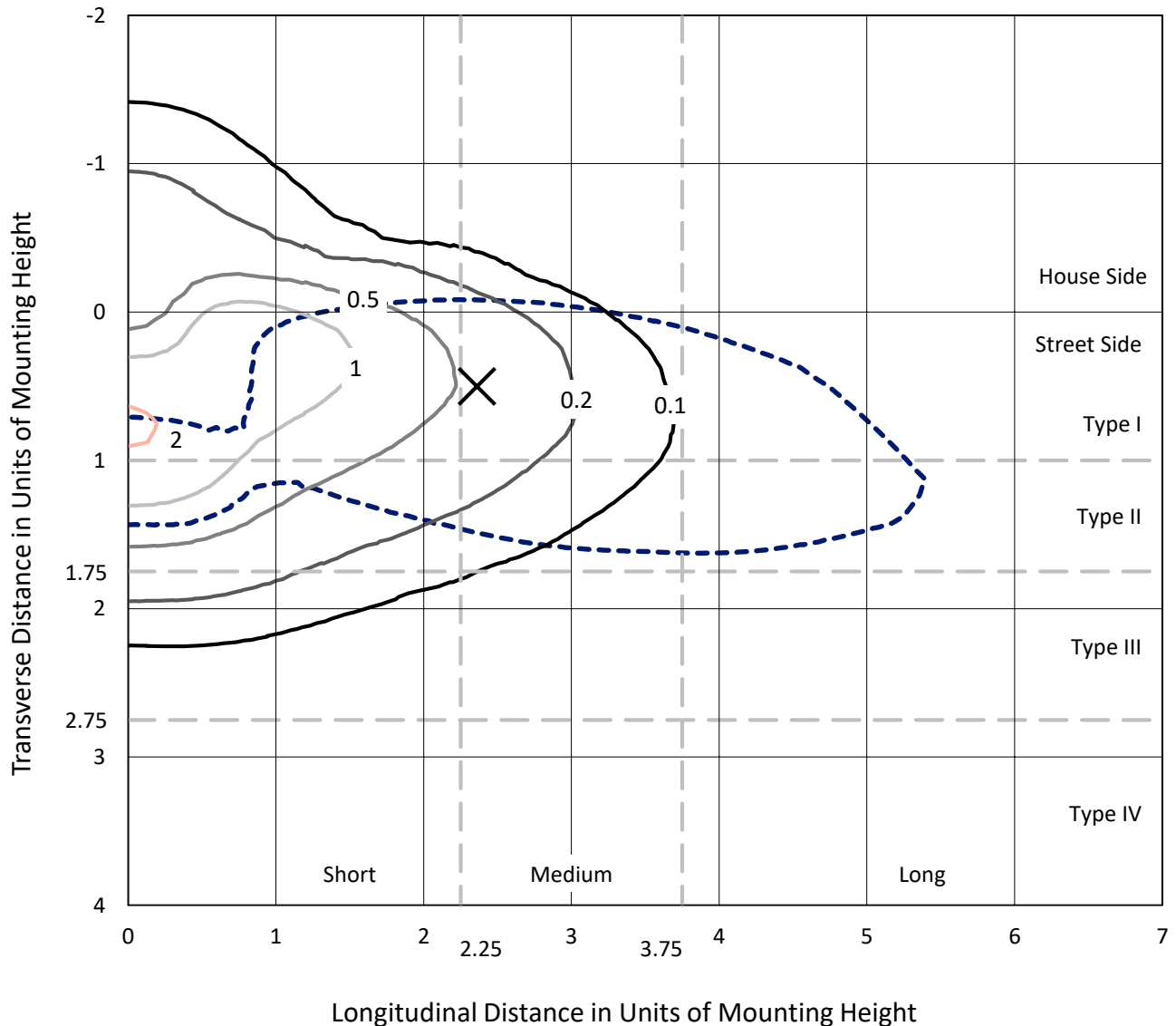


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

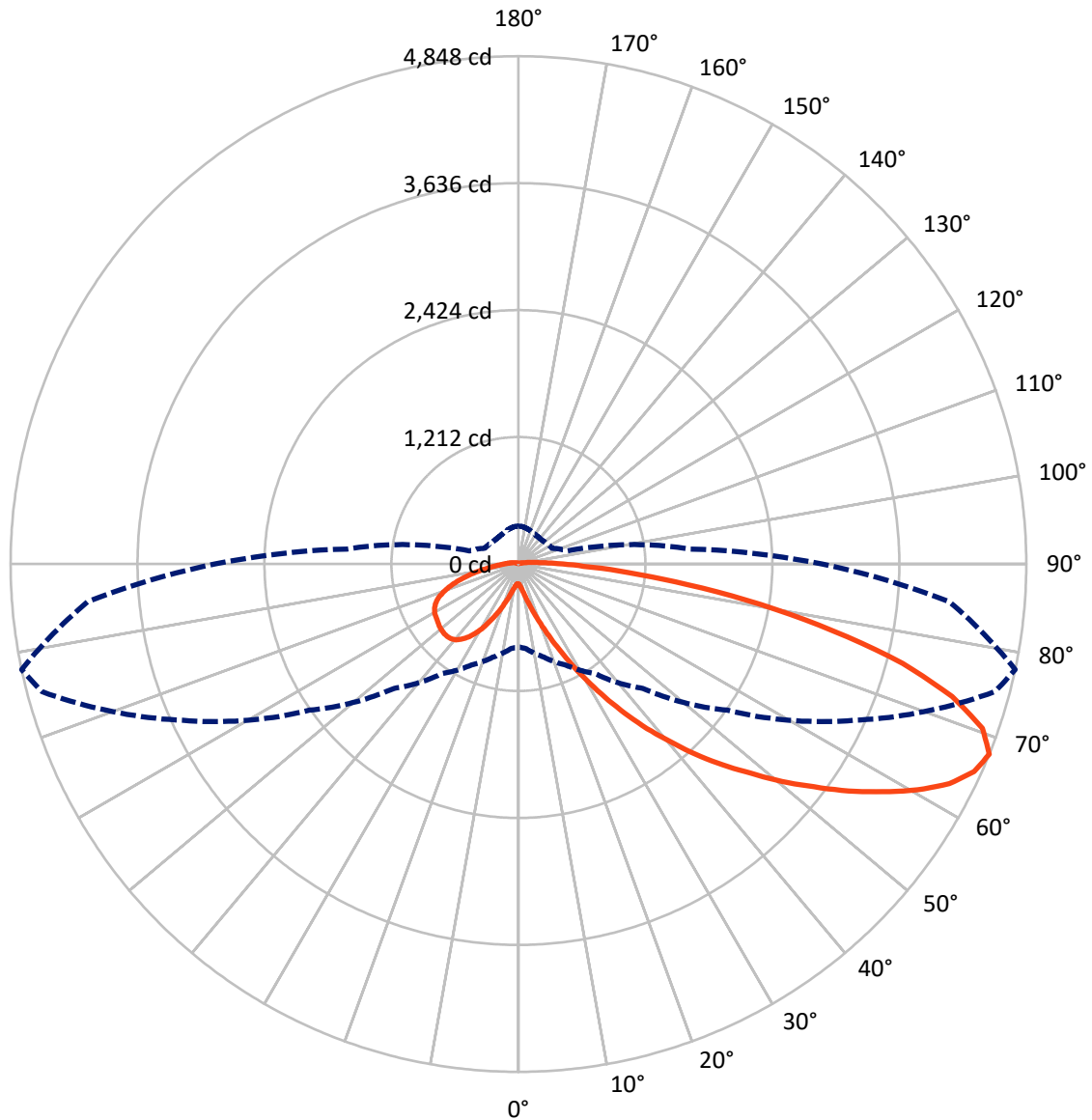


Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
 Type II - Medium - Non-Cutoff

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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	1336.7	108.6	1445.3
	% Fixture	19.0	1.5	20.5
Street Side	Lumens	5479.7	110.0	5589.7
	% Fixture	77.9	1.6	79.5
Total	Lumens	6816.4	218.6	7035.0
	% Fixture	96.9	3.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.8	0.3
10°-20°	109.2	1.6
20°-30°	333.0	4.7
30°-40°	745.0	10.6
40°-50°	1227.6	17.4
50°-60°	1510.9	21.5
60°-70°	1465.4	20.8
70°-80°	1014.8	14.4
80°-90°	388.5	5.5
90°-100°	111.5	1.6
100°-110°	48.3	0.7
110°-120°	26.1	0.4
120°-130°	16.2	0.2
130°-140°	10.0	0.1
140°-150°	4.9	0.1
150°-160°	1.6	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6816.4	96.9
0°-180°	7035.0	100.0

Coefficient of Utilization



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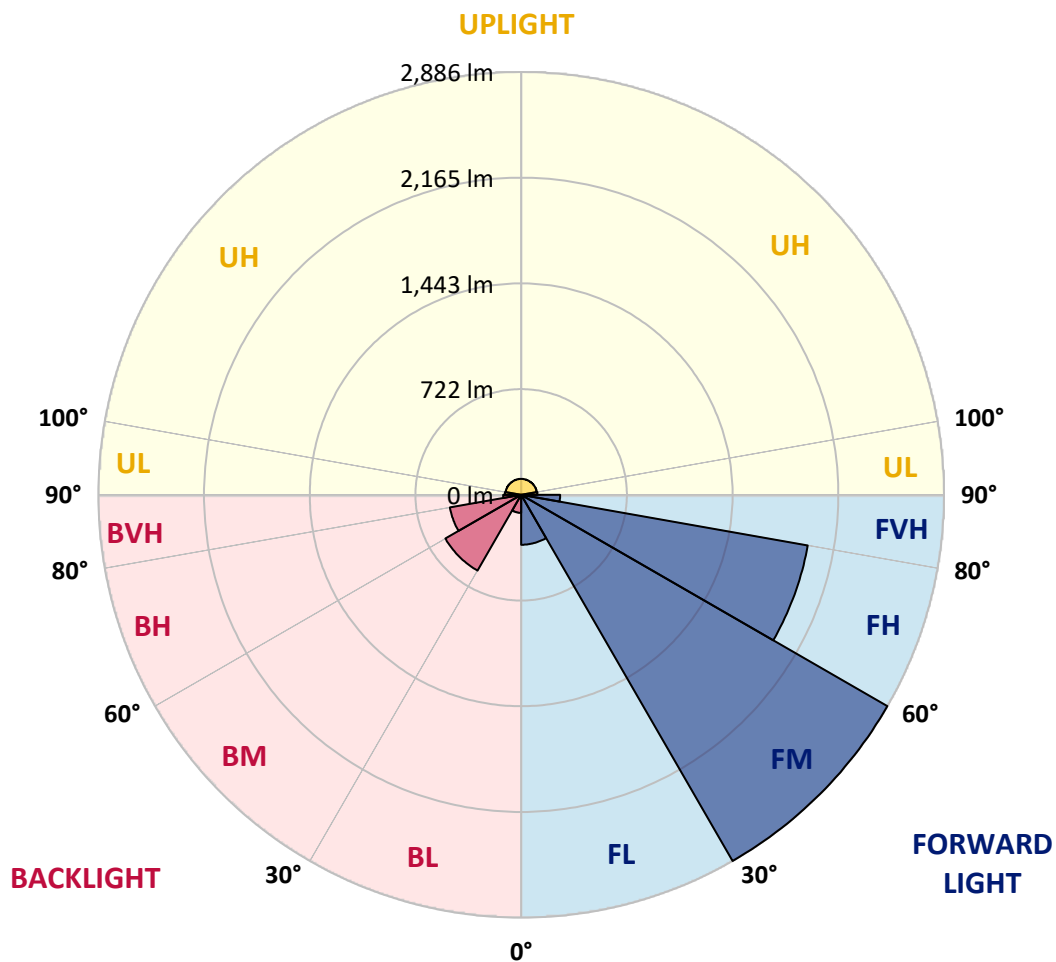
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	341.0	4.8			
FM	(30°-60°)	2886.5	41.0			
FH	(60°-80°)	1986.4	28.2			G2/5000
FVH	(80°-90°)	265.9	3.8			G3/500
BL	(0°-30°)	123.1	1.7	B1/500		
BM	(30°-60°)	597.1	8.5	B1/1000		
BH	(60°-80°)	493.9	7.0	B1/500		G1/500
BVH	(80°-90°)	122.6	1.7			G2/225
UL	(90°-100°)	111.5	1.6		U3/500	
UH	(100°-180°)	108.6	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°	191.6	191.6	191.6	191.6	191.6	191.6	191.6	191.6	191.6	191.6	191.6
2.5°	228.3	226.6	226.6	225.8	222.5	219.1	214.1	208.3	203.3	200.0	196.6
5°	277.5	271.6	273.3	268.3	262.5	255.8	246.6	234.1	222.5	220.0	210.8
7.5°	336.6	329.1	331.6	325.8	314.9	300.8	288.3	270.0	252.5	246.6	233.3
10°	411.6	404.1	399.9	391.6	379.1	360.8	341.6	317.4	293.3	285.0	268.3
12.5°	500.8	494.9	489.1	477.4	457.4	434.1	409.9	383.3	351.6	340.8	314.9
15°	611.6	606.6	594.1	578.2	549.1	523.2	486.6	462.4	423.3	409.9	378.3
17.5°	735.7	725.7	713.2	689.9	656.6	624.1	593.2	552.4	509.9	499.1	459.9
20°	889.0	885.7	861.5	822.4	785.7	741.5	711.6	671.6	624.1	609.1	557.4
22.5°	1070.7	1064.0	1035.7	976.5	921.5	864.9	840.7	799.0	764.9	744.0	676.6
25°	1289.0	1276.5	1229.8	1159.0	1080.7	1013.2	973.2	958.2	931.5	899.9	817.4
27.5°	1521.4	1522.3	1458.1	1353.1	1244.0	1163.1	1132.3	1138.1	1105.7	1088.2	987.3
30°	1808.9	1788.0	1703.9	1574.7	1427.3	1323.1	1304.8	1333.9	1324.8	1290.6	1171.5
32.5°	2096.3	2088.8	1984.7	1808.0	1614.7	1500.6	1487.3	1550.6	1548.1	1513.9	1362.3
35°	2382.9	2374.6	2245.5	2039.7	1810.5	1679.7	1668.1	1751.4	1781.4	1747.2	1577.2
37.5°	2671.2	2652.1	2522.1	2272.1	1996.3	1843.9	1848.9	1953.8	2023.8	1993.0	1784.7
40°	2925.4	2922.0	2770.4	2486.3	2175.5	2010.5	2043.8	2182.1	2268.0	2225.5	1995.5
42.5°	3120.3	3106.2	2972.0	2663.7	2336.3	2166.3	2223.8	2407.1	2517.1	2487.9	2203.0
45°	3210.3	3202.0	3094.5	2797.9	2461.3	2301.3	2392.1	2615.4	2765.4	2733.7	2416.3
47.5°	3186.1	3178.6	3120.3	2863.7	2543.7	2417.1	2540.4	2817.9	3026.2	2983.7	2628.7
50°	3041.2	3048.7	3030.3	2844.5	2572.9	2491.3	2681.2	3020.3	3281.1	3261.1	2833.7
52.5°	2776.2	2797.9	2827.0	2744.6	2546.2	2524.6	2782.9	3196.1	3534.4	3533.6	3061.2
55°	2432.1	2447.1	2548.7	2533.8	2444.6	2523.8	2857.9	3369.4	3819.4	3823.5	3296.1
57.5°	2067.2	2059.7	2194.6	2273.0	2296.3	2459.6	2894.5	3522.8	4071.0	4100.2	3544.4
60°	1668.1	1695.6	1822.2	1982.2	2069.7	2333.0	2882.0	3631.1	4313.5	4377.6	3770.2
62.5°	1355.6	1343.1	1482.3	1656.4	1833.9	2151.3	2791.2	3681.9	4544.3	4615.9	3978.5
65°	1024.0	1049.8	1175.6	1329.8	1540.6	1922.2	2644.6	3655.2	4686.7	4778.4	4109.3
67.5°	789.9	809.9	917.3	1062.3	1277.3	1678.9	2432.9	3531.1	4708.4	4847.5	4127.7
70°	610.7	626.6	702.4	825.7	1030.7	1410.6	2135.5	3294.5	4590.1	4698.4	3959.4
72.5°	486.6	493.3	546.6	646.6	814.0	1150.6	1812.2	2922.9	4232.6	4329.3	3614.4
75°	382.4	392.4	435.8	510.7	635.7	919.8	1481.4	2469.6	3688.6	3788.5	3138.7
77.5°	304.1	314.1	346.6	399.1	493.3	709.1	1157.3	2012.2	3011.2	3072.8	2500.4
80°	241.6	246.6	274.1	313.3	383.3	546.6	871.5	1527.2	2280.5	2344.6	1858.0
82.5°	183.3	187.5	215.0	249.1	299.1	414.1	629.9	1074.0	1606.4	1623.9	1261.5
85°	131.6	139.1	161.6	190.0	229.1	308.3	451.6	729.0	1024.8	1051.5	799.0
87.5°	93.3	96.7	119.1	145.8	175.0	228.3	314.1	479.9	630.7	623.2	484.9
90°	63.3	65.8	85.8	107.5	133.3	170.8	219.1	301.6	387.4	374.9	304.1
92.5°	42.5	46.7	63.3	81.7	104.1	131.6	155.8	197.5	240.0	228.3	193.3
95°	31.7	33.3	48.3	65.0	83.3	100.8	115.8	135.0	153.3	150.0	133.3
97.5°	25.0	26.7	39.2	53.3	67.5	81.7	90.0	96.7	106.6	105.8	95.8
100°	21.7	22.5	33.3	45.8	58.3	68.3	73.3	75.0	78.3	76.7	73.3
102.5°	18.3	20.0	29.2	40.0	50.8	58.3	61.7	60.0	59.2	57.5	54.2
105°	16.7	17.5	25.8	35.8	45.0	50.8	51.7	49.2	45.0	44.2	42.5
107.5°	15.8	16.7	23.3	32.5	40.0	45.0	44.2	40.8	35.8	34.2	33.3
110°	15.0	15.8	21.7	29.2	36.7	40.0	39.2	34.2	28.3	26.7	27.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
112.5°	15.0	15.0	20.0	26.7	33.3	35.8	34.2	29.2	23.3	22.5	23.3
115°	14.2	15.0	19.2	25.0	30.0	32.5	30.0	25.0	20.0	19.2	20.0
117.5°	14.2	15.0	18.3	23.3	28.3	29.2	26.7	21.7	16.7	16.7	18.3
120°	14.2	15.0	17.5	21.7	25.8	26.7	24.2	19.2	15.0	15.0	16.7
122.5°	15.0	15.0	16.7	20.8	24.2	25.0	21.7	16.7	14.2	14.2	15.8
125°	15.0	15.0	16.7	19.2	22.5	22.5	20.0	15.0	12.5	12.5	15.0
127.5°	15.0	15.0	16.7	18.3	20.8	20.8	18.3	14.2	11.7	11.7	14.2
130°	15.0	15.8	15.8	17.5	19.2	19.2	16.7	12.5	11.7	11.7	13.3
132.5°	15.8	15.8	15.8	16.7	18.3	17.5	14.2	11.7	10.8	10.8	12.5
135°	15.0	15.0	15.0	15.8	16.7	15.8	12.5	10.0	10.0	10.8	11.7
137.5°	15.0	15.0	15.0	14.2	15.0	14.2	11.7	9.2	9.2	10.0	10.8
140°	13.3	14.2	13.3	13.3	13.3	12.5	10.0	7.5	8.3	9.2	9.2
142.5°	12.5	12.5	12.5	11.7	11.7	10.8	8.3	6.7	7.5	7.5	8.3
145°	11.7	11.7	10.8	10.0	10.0	8.3	6.7	5.8	6.7	6.7	7.5
147.5°	10.0	10.0	10.0	8.3	7.5	6.7	4.2	4.2	5.0	5.8	5.8
150°	8.3	8.3	8.3	7.5	5.8	5.0	3.3	4.2	4.2	4.2	5.0
152.5°	6.7	6.7	6.7	5.8	5.0	3.3	2.5	3.3	3.3	3.3	4.2
155°	4.2	4.2	4.2	4.2	3.3	1.7	2.5	2.5	3.3	3.3	3.3
157.5°	2.5	2.5	2.5	2.5	1.7	1.7	1.7	2.5	2.5	2.5	2.5
160°	0.8	0.8	1.7	1.7	2.5	1.7	1.7	1.7	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°	191.6	191.6	191.6	191.6	191.6	191.6	191.6	191.6	191.6	191.6	191.6
2.5°	194.1	191.6	187.5	183.3	179.1	175.0	171.6	170.8	168.3	168.3	167.5
5°	205.8	201.6	190.8	182.5	173.3	165.8	160.0	157.5	155.0	153.3	153.3
7.5°	226.6	217.5	201.6	187.5	175.0	164.1	156.6	152.5	149.1	147.5	147.5
10°	255.0	243.3	219.1	198.3	180.0	166.6	158.3	153.3	150.8	149.1	148.3
12.5°	296.6	280.0	245.0	215.0	191.6	175.0	164.1	160.8	161.6	161.6	161.6
15°	353.3	329.1	281.6	240.8	207.5	185.8	178.3	178.3	180.8	181.6	180.0
17.5°	426.6	394.1	327.4	266.6	227.5	205.0	196.6	196.6	200.8	203.3	203.3
20°	516.6	469.9	375.8	300.8	250.8	226.6	216.6	217.5	222.5	225.8	225.8
22.5°	619.9	564.9	437.4	335.8	276.6	245.8	235.0	235.8	244.1	248.3	250.0
25°	754.0	669.1	499.1	371.6	300.8	264.1	253.3	254.1	265.0	270.8	270.8
27.5°	895.7	784.9	561.6	406.6	321.6	280.8	270.0	272.5	284.1	289.1	290.8
30°	1046.5	908.2	624.1	436.6	338.3	293.3	282.5	287.5	298.3	305.8	306.6
32.5°	1214.0	1029.0	674.1	460.8	352.4	304.1	293.3	300.8	309.9	318.3	319.1
35°	1388.9	1149.0	718.2	477.4	361.6	313.3	301.6	309.1	318.3	325.8	324.9
37.5°	1545.6	1247.3	747.4	484.1	366.6	318.3	307.4	314.9	323.3	329.1	329.1
40°	1699.7	1349.8	761.5	479.1	366.6	320.8	309.9	318.3	325.8	329.1	329.1
42.5°	1846.4	1425.6	759.0	469.1	364.9	321.6	311.6	319.1	325.8	327.4	327.4
45°	1973.0	1495.6	744.0	452.4	359.1	320.8	312.4	319.1	324.1	324.1	324.9
47.5°	2123.0	1550.6	722.4	434.9	352.4	319.1	310.8	318.3	322.4	322.4	321.6
50°	2258.0	1603.9	693.2	415.8	346.6	317.4	309.9	317.4	322.4	320.8	320.8
52.5°	2401.3	1651.4	663.2	398.3	340.8	316.6	309.9	317.4	322.4	321.6	322.4
55°	2533.8	1698.9	625.7	382.4	337.4	315.8	310.8	318.3	324.9	324.9	324.1
57.5°	2703.7	1723.9	596.6	371.6	334.1	315.8	311.6	319.9	328.3	329.1	329.9
60°	2823.7	1756.4	572.4	364.9	334.1	317.4	314.1	322.4	333.3	337.4	339.9
62.5°	2911.2	1754.7	543.2	361.6	334.9	319.1	316.6	324.9	339.1	344.9	348.3
65°	2957.0	1724.7	513.2	359.1	335.8	320.8	318.3	326.6	343.3	354.1	357.4
67.5°	2897.0	1643.9	482.4	354.9	334.9	319.9	319.1	328.3	345.8	359.9	361.6
70°	2751.2	1507.3	445.8	345.8	331.6	317.4	316.6	324.1	343.3	359.9	361.6
72.5°	2474.6	1333.9	403.3	332.4	324.1	311.6	309.1	316.6	334.9	351.6	351.6
75°	2104.7	1133.1	361.6	313.3	309.1	301.6	299.1	303.3	319.1	334.9	335.8
77.5°	1648.1	902.4	317.4	286.6	290.8	285.0	282.5	285.0	299.1	309.9	310.8
80°	1254.0	687.4	275.0	255.0	265.0	263.3	260.8	260.0	270.0	278.3	275.8
82.5°	864.9	489.1	227.5	221.6	232.5	235.0	234.1	228.3	235.8	242.5	238.3
85°	558.2	345.8	190.0	187.5	197.5	201.6	200.8	196.6	198.3	205.8	197.5
87.5°	360.8	248.3	156.6	155.0	163.3	168.3	168.3	160.0	163.3	170.8	161.6
90°	225.8	175.8	130.8	130.0	135.8	138.3	135.0	130.0	131.6	135.8	132.5
92.5°	160.0	132.5	109.1	109.1	110.8	112.5	110.8	105.0	108.3	108.3	108.3
95°	116.6	105.0	95.0	93.3	92.5	91.7	90.8	86.7	90.0	89.2	86.7
97.5°	89.2	84.2	80.8	80.0	78.3	77.5	76.7	73.3	75.8	74.2	72.5
100°	70.0	69.2	69.2	69.2	67.5	65.0	65.0	64.2	64.2	61.7	61.7
102.5°	55.8	55.8	59.2	60.0	58.3	56.7	56.7	55.8	55.0	51.7	50.8
105°	44.2	45.8	50.8	51.7	50.8	49.2	48.3	48.3	46.7	42.5	42.5
107.5°	35.8	37.5	43.3	45.0	44.2	43.3	42.5	41.7	40.0	35.8	35.8
110°	29.2	31.7	36.7	39.2	38.3	37.5	37.5	35.8	34.2	30.8	30.8



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CATALOG NUMBER: LXF.LXT-PA1-70-730-U-T2R-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	25.0	27.5	31.7	34.2	34.2	33.3	32.5	31.7	29.2	26.7	26.7
115°	21.7	24.2	28.3	30.0	30.0	29.2	28.3	27.5	25.0	23.3	24.2
117.5°	20.0	21.7	25.0	26.7	26.7	25.8	25.0	24.2	22.5	21.7	21.7
120°	18.3	20.0	22.5	24.2	24.2	23.3	22.5	21.7	20.0	20.0	20.0
122.5°	16.7	18.3	20.8	21.7	21.7	20.8	20.0	19.2	17.5	18.3	18.3
125°	15.8	16.7	18.3	20.0	20.0	19.2	18.3	16.7	15.8	16.7	16.7
127.5°	15.0	15.8	17.5	18.3	18.3	17.5	15.8	15.0	14.2	15.0	15.0
130°	14.2	15.0	15.8	16.7	16.7	15.0	14.2	13.3	13.3	14.2	14.2
132.5°	13.3	14.2	14.2	15.0	15.0	14.2	12.5	11.7	11.7	12.5	12.5
135°	12.5	12.5	13.3	13.3	13.3	12.5	10.8	10.0	10.8	11.7	11.7
137.5°	10.8	11.7	11.7	12.5	11.7	10.8	9.2	9.2	10.0	10.0	10.0
140°	10.0	10.0	10.8	10.8	10.0	9.2	8.3	7.5	8.3	9.2	9.2
142.5°	9.2	9.2	9.2	9.2	9.2	7.5	6.7	6.7	7.5	7.5	7.5
145°	7.5	7.5	8.3	7.5	7.5	5.8	5.0	5.8	6.7	6.7	6.7
147.5°	5.8	6.7	6.7	6.7	5.8	4.2	3.3	5.0	5.8	5.8	5.8
150°	5.0	5.0	5.0	5.0	5.0	3.3	2.5	4.2	5.0	5.0	5.0
152.5°	4.2	4.2	5.0	5.0	4.2	2.5	1.7	3.3	4.2	4.2	3.3
155°	3.3	3.3	4.2	4.2	3.3	1.7	1.7	2.5	3.3	3.3	2.5
157.5°	2.5	3.3	3.3	3.3	2.5	1.7	0.8	1.7	2.5	2.5	2.5
160°	2.5	2.5	2.5	3.3	2.5	1.7	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)