

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: P415458

Luminaire Tested: **LXF.LXT-PA1-50-730-U-T2R-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415458
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-PA1-50-730-U-T2R-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 670mA 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: 5429 lumens
Efficiency: N/A
Efficacy: 100.5 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 - G2

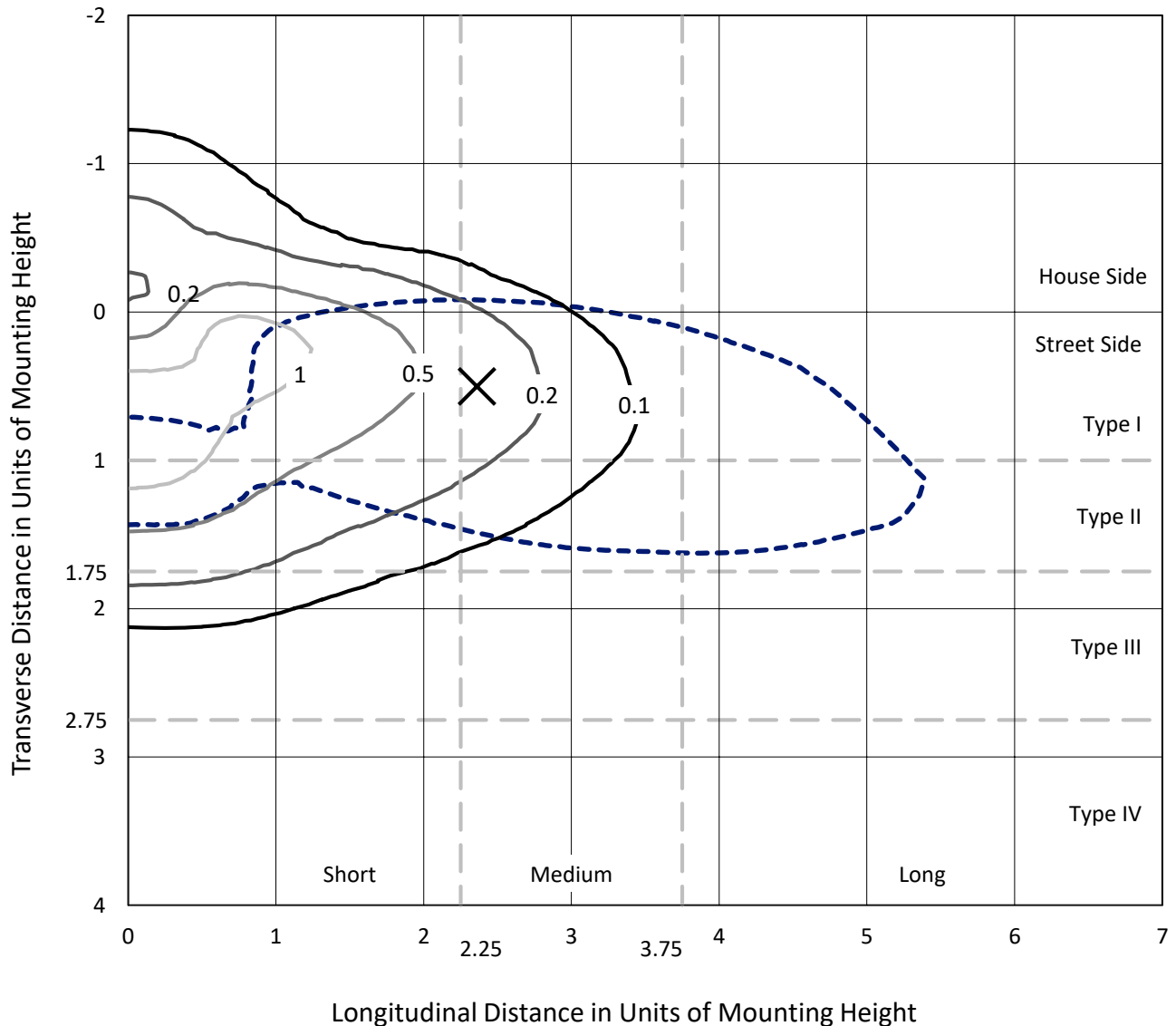
Input Watts (W): 54
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

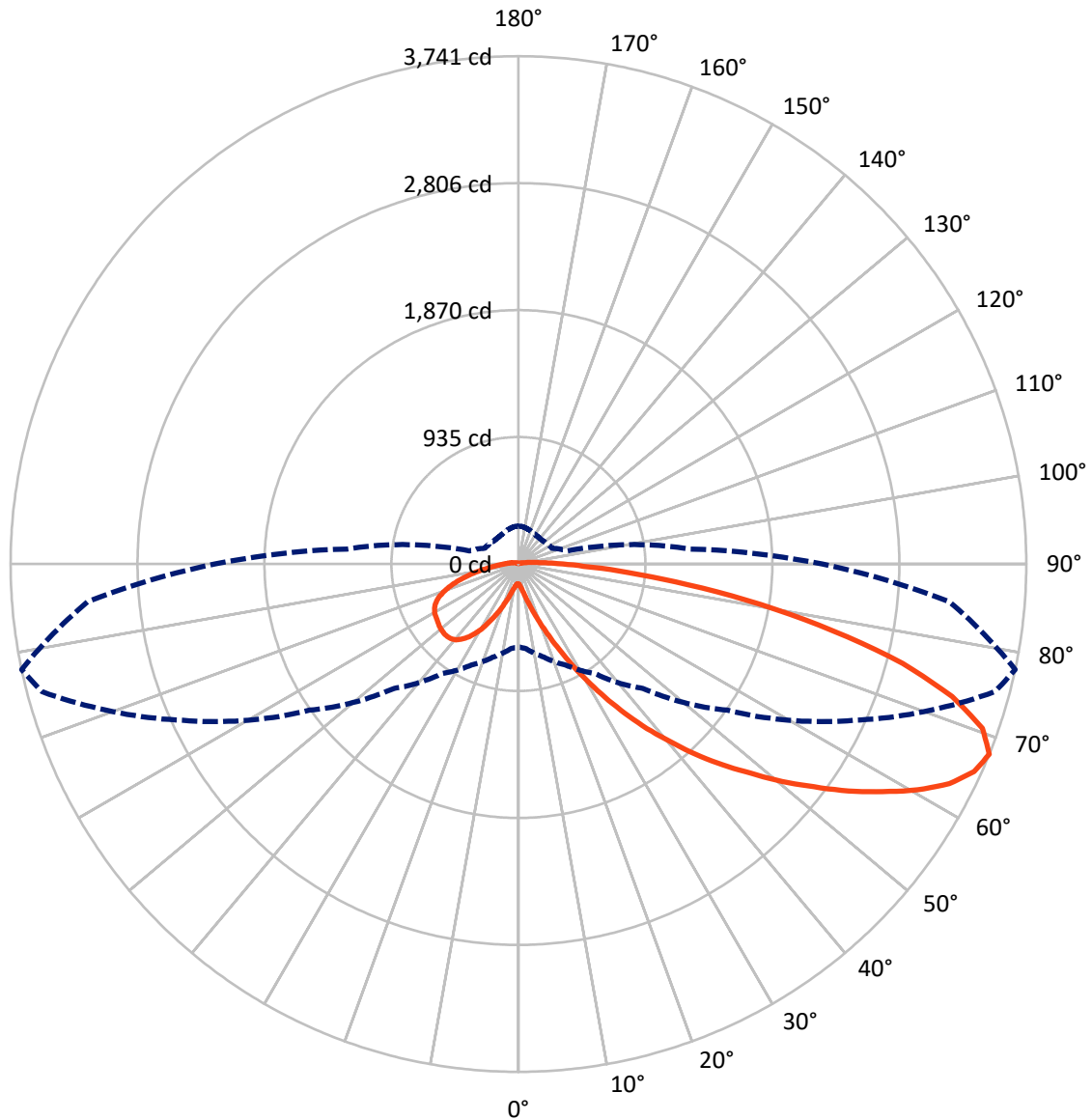


Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type II - Medium - Non-Cutoff

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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	1031.6	83.8	1115.3
	% Fixture	19.0	1.5	20.5
Street Side	Lumens	4228.8	84.9	4313.7
	% Fixture	77.9	1.6	79.5
Total	Lumens	5260.4	168.6	5429.0
	% Fixture	96.9	3.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.8	0.3
10°-20°	84.3	1.6
20°-30°	257.0	4.7
30°-40°	575.0	10.6
40°-50°	947.4	17.5
50°-60°	1166.0	21.5
60°-70°	1130.9	20.8
70°-80°	783.2	14.4
80°-90°	299.8	5.5
90°-100°	86.0	1.6
100°-110°	37.3	0.7
110°-120°	20.1	0.4
120°-130°	12.5	0.2
130°-140°	7.7	0.1
140°-150°	3.8	0.1
150°-160°	1.2	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	5260.4	96.9
0°-180°	5429.0	100.0

Coefficient of Utilization



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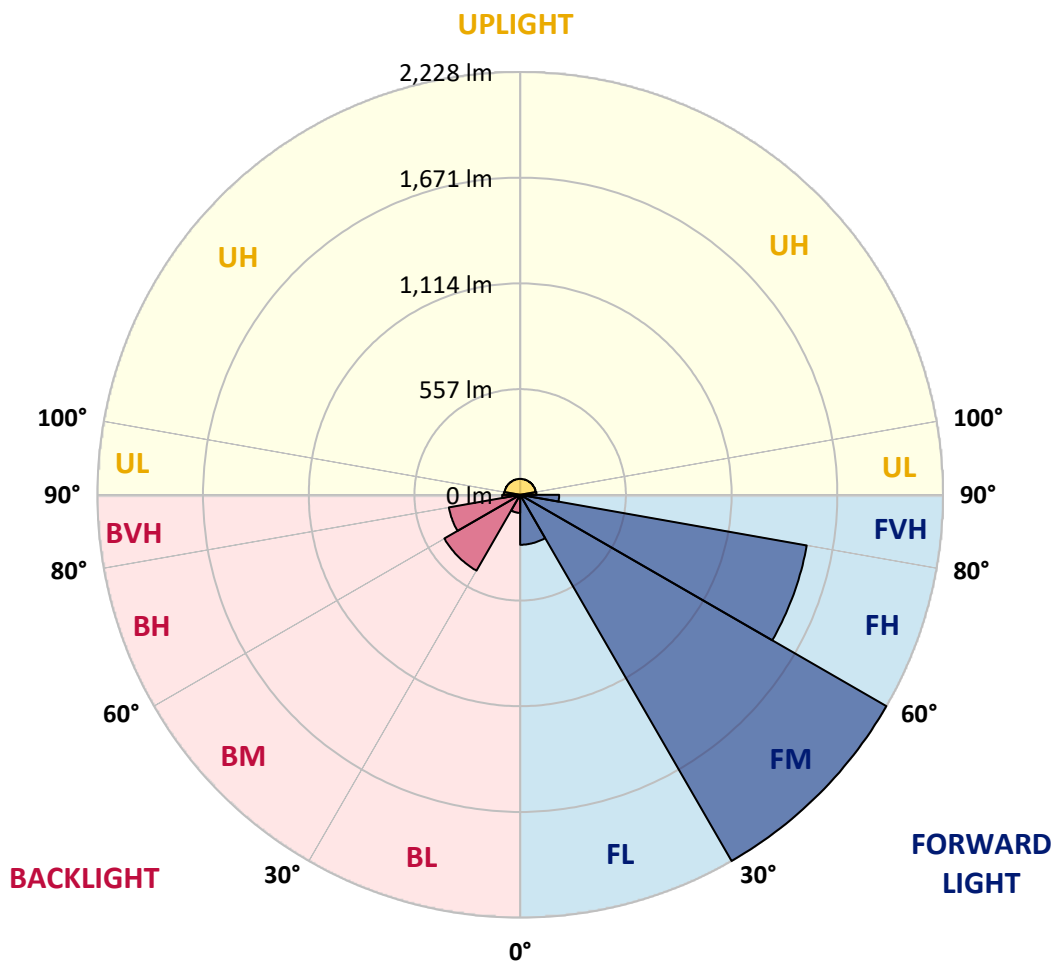
CATALOG NUMBER: LXF.LXT-PA1-50-730-U-T2R-TL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	263.1	4.8			
FM	(30°-60°)	2227.5	41.0			
FH	(60°-80°)	1532.9	28.2			G1/1800
FVH	(80°-90°)	205.2	3.8			G2/225
BL	(0°-30°)	95.0	1.7	B0/110		
BM	(30°-60°)	460.8	8.5	B1/1000		
BH	(60°-80°)	381.2	7.0	B1/500		G1/500
BVH	(80°-90°)	94.6	1.7			G1/100
UL	(90°-100°)	86.0	1.6		U3/500	
UH	(100°-180°)	83.8	1.5		U3/500	

BUG Rating: B1-U3-G2

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	147.9	147.9	147.9	147.9	147.9	147.9	147.9	147.9	147.9	147.9	147.9
2.5°	176.2	174.9	174.9	174.2	171.7	169.1	165.2	160.7	156.9	154.3	151.7
5°	214.1	209.6	210.9	207.0	202.5	197.4	190.3	180.7	171.7	169.7	162.7
7.5°	259.8	254.0	255.9	251.4	243.0	232.1	222.5	208.3	194.8	190.3	180.0
10°	317.6	311.8	308.6	302.2	292.6	278.4	263.6	245.0	226.3	219.9	207.0
12.5°	386.4	381.9	377.4	368.4	353.0	335.0	316.4	295.8	271.3	263.0	243.0
15°	472.0	468.1	458.5	446.2	423.7	403.8	375.5	356.9	326.6	316.4	291.9
17.5°	567.8	560.0	550.4	532.4	506.7	481.6	457.8	426.3	393.5	385.2	354.9
20°	686.1	683.5	664.9	634.6	606.3	572.3	549.1	518.2	481.6	470.0	430.2
22.5°	826.2	821.1	799.2	753.6	711.1	667.4	648.8	616.6	590.3	574.2	522.1
25°	994.7	985.1	949.1	894.4	834.0	781.9	751.0	739.4	718.9	694.4	630.8
27.5°	1174.1	1174.7	1125.2	1044.2	960.0	897.6	873.8	878.3	853.2	839.7	761.9
30°	1395.9	1379.9	1314.9	1215.2	1101.4	1021.1	1006.9	1029.4	1022.4	996.0	904.0
32.5°	1617.8	1612.0	1531.6	1395.3	1246.1	1158.0	1147.7	1196.6	1194.7	1168.3	1051.3
35°	1838.9	1832.5	1732.9	1574.0	1397.2	1296.3	1287.3	1351.6	1374.7	1348.3	1217.2
37.5°	2061.4	2046.6	1946.3	1753.4	1540.6	1422.9	1426.8	1507.8	1561.8	1538.0	1377.3
40°	2257.5	2255.0	2137.9	1918.7	1678.8	1551.5	1577.3	1684.0	1750.2	1717.4	1540.0
42.5°	2408.0	2397.1	2293.5	2055.6	1802.9	1671.8	1716.1	1857.6	1942.5	1920.0	1700.1
45°	2477.4	2471.0	2388.1	2159.2	1899.4	1775.9	1846.0	2018.3	2134.1	2109.6	1864.7
47.5°	2458.8	2453.0	2408.0	2210.0	1963.0	1865.3	1960.5	2174.6	2335.3	2302.5	2028.6
50°	2346.9	2352.7	2338.5	2195.2	1985.5	1922.5	2069.1	2330.8	2532.1	2516.7	2186.8
52.5°	2142.4	2159.2	2181.7	2118.0	1965.0	1948.3	2147.6	2466.5	2727.6	2726.9	2362.3
55°	1876.9	1888.5	1966.9	1955.3	1886.5	1947.6	2205.5	2600.2	2947.5	2950.7	2543.7
57.5°	1595.3	1589.5	1693.6	1754.1	1772.1	1898.1	2233.7	2718.6	3141.6	3164.1	2735.3
60°	1287.3	1308.5	1406.2	1529.7	1597.2	1800.4	2224.1	2802.1	3328.8	3378.3	2909.5
62.5°	1046.1	1036.5	1143.9	1278.3	1415.2	1660.2	2154.0	2841.4	3506.9	3562.2	3070.3
65°	790.2	810.2	907.3	1026.2	1188.9	1483.4	2040.8	2820.8	3616.8	3687.5	3171.2
67.5°	609.6	625.0	707.9	819.8	985.7	1295.6	1877.5	2725.0	3633.5	3740.9	3185.4
70°	471.3	483.5	542.0	637.2	795.4	1088.6	1648.0	2542.4	3542.2	3625.8	3055.5
72.5°	375.5	380.6	421.8	499.0	628.2	888.0	1398.5	2255.6	3266.4	3341.0	2789.3
75°	295.1	302.8	336.3	394.2	490.6	709.9	1143.2	1905.8	2846.5	2923.7	2422.1
77.5°	234.7	242.4	267.5	308.0	380.6	547.2	893.1	1552.8	2323.8	2371.3	1929.6
80°	186.5	190.3	211.5	241.8	295.8	421.8	672.6	1178.6	1759.9	1809.4	1433.9
82.5°	141.5	144.7	165.9	192.3	230.8	319.6	486.1	828.8	1239.7	1253.2	973.5
85°	101.6	107.4	124.7	146.6	176.8	237.9	348.5	562.6	790.9	811.5	616.6
87.5°	72.0	74.6	91.9	112.5	135.0	176.2	242.4	370.4	486.7	481.0	374.2
90°	48.9	50.8	66.2	82.9	102.9	131.8	169.1	232.8	299.0	289.3	234.7
92.5°	32.8	36.0	48.9	63.0	80.4	101.6	120.2	152.4	185.2	176.2	149.2
95°	24.4	25.7	37.3	50.2	64.3	77.8	89.4	104.2	118.3	115.7	102.9
97.5°	19.3	20.6	30.2	41.2	52.1	63.0	69.4	74.6	82.3	81.7	73.9
100°	16.7	17.4	25.7	35.4	45.0	52.7	56.6	57.9	60.4	59.2	56.6
102.5°	14.1	15.4	22.5	30.9	39.2	45.0	47.6	46.3	45.7	44.4	41.8
105°	12.9	13.5	19.9	27.6	34.7	39.2	39.9	37.9	34.7	34.1	32.8
107.5°	12.2	12.9	18.0	25.1	30.9	34.7	34.1	31.5	27.6	26.4	25.7
110°	11.6	12.2	16.7	22.5	28.3	30.9	30.2	26.4	21.9	20.6	21.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
112.5°	11.6	11.6	15.4	20.6	25.7	27.6	26.4	22.5	18.0	17.4	18.0
115°	10.9	11.6	14.8	19.3	23.1	25.1	23.1	19.3	15.4	14.8	15.4
117.5°	10.9	11.6	14.1	18.0	21.9	22.5	20.6	16.7	12.9	12.9	14.1
120°	10.9	11.6	13.5	16.7	19.9	20.6	18.6	14.8	11.6	11.6	12.9
122.5°	11.6	11.6	12.9	16.1	18.6	19.3	16.7	12.9	10.9	10.9	12.2
125°	11.6	11.6	12.9	14.8	17.4	17.4	15.4	11.6	9.6	9.6	11.6
127.5°	11.6	11.6	12.9	14.1	16.1	16.1	14.1	10.9	9.0	9.0	10.9
130°	11.6	12.2	12.2	13.5	14.8	14.8	12.9	9.6	9.0	9.0	10.3
132.5°	12.2	12.2	12.2	12.9	14.1	13.5	10.9	9.0	8.4	8.4	9.6
135°	11.6	11.6	11.6	12.2	12.9	12.2	9.6	7.7	7.7	8.4	9.0
137.5°	11.6	11.6	11.6	10.9	11.6	10.9	9.0	7.1	7.1	7.7	8.4
140°	10.3	10.9	10.3	10.3	10.3	9.6	7.7	5.8	6.4	7.1	7.1
142.5°	9.6	9.6	9.6	9.0	9.0	8.4	6.4	5.1	5.8	5.8	6.4
145°	9.0	9.0	8.4	7.7	7.7	6.4	5.1	4.5	5.1	5.1	5.8
147.5°	7.7	7.7	7.7	6.4	5.8	5.1	3.2	3.2	3.9	4.5	4.5
150°	6.4	6.4	6.4	5.8	4.5	3.9	2.6	3.2	3.2	3.2	3.9
152.5°	5.1	5.1	5.1	4.5	3.9	2.6	1.9	2.6	2.6	2.6	3.2
155°	3.2	3.2	3.2	3.2	2.6	1.3	1.9	1.9	2.6	2.6	2.6
157.5°	1.9	1.9	1.9	1.9	1.3	1.3	1.3	1.9	1.9	1.9	1.9
160°	0.6	0.6	1.3	1.3	1.9	1.3	1.3	1.3	1.3	1.3	1.3
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°	147.9	147.9	147.9	147.9	147.9	147.9	147.9	147.9	147.9	147.9	147.9
2.5°	149.8	147.9	144.7	141.5	138.2	135.0	132.5	131.8	129.9	129.9	129.2
5°	158.8	155.6	147.2	140.8	133.7	128.0	123.5	121.5	119.6	118.3	118.3
7.5°	174.9	167.8	155.6	144.7	135.0	126.7	120.9	117.7	115.1	113.8	113.8
10°	196.8	187.8	169.1	153.0	138.9	128.6	122.2	118.3	116.4	115.1	114.5
12.5°	228.9	216.0	189.0	165.9	147.9	135.0	126.7	124.1	124.7	124.7	124.7
15°	272.6	254.0	217.3	185.8	160.1	143.4	137.6	137.6	139.5	140.2	138.9
17.5°	329.2	304.1	252.7	205.8	175.5	158.2	151.7	151.7	155.0	156.9	156.9
20°	398.7	362.6	290.0	232.1	193.5	174.9	167.2	167.8	171.7	174.2	174.2
22.5°	478.4	435.9	337.6	259.1	213.5	189.7	181.3	182.0	188.4	191.6	192.9
25°	581.9	516.3	385.2	286.8	232.1	203.8	195.5	196.1	204.5	209.0	209.0
27.5°	691.2	605.7	433.4	313.8	248.2	216.7	208.3	210.3	219.3	223.1	224.4
30°	807.6	700.9	481.6	336.9	261.1	226.3	218.0	221.8	230.2	236.0	236.6
32.5°	936.8	794.1	520.2	355.6	272.0	234.7	226.3	232.1	239.2	245.6	246.3
35°	1071.9	886.7	554.3	368.4	279.1	241.8	232.8	238.5	245.6	251.4	250.8
37.5°	1192.7	962.6	576.8	373.6	282.9	245.6	237.3	243.0	249.5	254.0	254.0
40°	1311.7	1041.6	587.7	369.7	282.9	247.6	239.2	245.6	251.4	254.0	254.0
42.5°	1424.9	1100.2	585.8	362.0	281.6	248.2	240.5	246.3	251.4	252.7	252.7
45°	1522.6	1154.2	574.2	349.1	277.1	247.6	241.1	246.3	250.1	250.1	250.8
47.5°	1638.3	1196.6	557.5	335.6	272.0	246.3	239.8	245.6	248.8	248.8	248.2
50°	1742.5	1237.8	535.0	320.9	267.5	245.0	239.2	245.0	248.8	247.6	247.6
52.5°	1853.1	1274.4	511.8	307.3	263.0	244.3	239.2	245.0	248.8	248.2	248.8
55°	1955.3	1311.1	482.9	295.1	260.4	243.7	239.8	245.6	250.8	250.8	250.1
57.5°	2086.5	1330.3	460.4	286.8	257.8	243.7	240.5	246.9	253.3	254.0	254.6
60°	2179.1	1355.4	441.7	281.6	257.8	245.0	242.4	248.8	257.2	260.4	262.3
62.5°	2246.6	1354.1	419.2	279.1	258.5	246.3	244.3	250.8	261.7	266.2	268.8
65°	2282.0	1331.0	396.1	277.1	259.1	247.6	245.6	252.1	264.9	273.3	275.8
67.5°	2235.7	1268.6	372.3	273.9	258.5	246.9	246.3	253.3	266.8	277.8	279.1
70°	2123.1	1163.2	344.0	266.8	255.9	245.0	244.3	250.1	264.9	277.8	279.1
72.5°	1909.7	1029.4	311.2	256.6	250.1	240.5	238.5	244.3	258.5	271.3	271.3
75°	1624.2	874.5	279.1	241.8	238.5	232.8	230.8	234.0	246.3	258.5	259.1
77.5°	1271.8	696.4	245.0	221.2	224.4	219.9	218.0	219.9	230.8	239.2	239.8
80°	967.7	530.5	212.2	196.8	204.5	203.2	201.3	200.6	208.3	214.8	212.8
82.5°	667.4	377.4	175.5	171.0	179.4	181.3	180.7	176.2	182.0	187.1	183.9
85°	430.8	266.8	146.6	144.7	152.4	155.6	155.0	151.7	153.0	158.8	152.4
87.5°	278.4	191.6	120.9	119.6	126.0	129.9	129.9	123.5	126.0	131.8	124.7
90°	174.2	135.7	100.9	100.3	104.8	106.7	104.2	100.3	101.6	104.8	102.2
92.5°	123.5	102.2	84.2	84.2	85.5	86.8	85.5	81.0	83.6	83.6	83.6
95°	90.0	81.0	73.3	72.0	71.4	70.7	70.1	66.9	69.4	68.8	66.9
97.5°	68.8	64.9	62.4	61.7	60.4	59.8	59.2	56.6	58.5	57.2	55.9
100°	54.0	53.4	53.4	53.4	52.1	50.2	50.2	49.5	49.5	47.6	47.6
102.5°	43.1	43.1	45.7	46.3	45.0	43.7	43.7	43.1	42.4	39.9	39.2
105°	34.1	35.4	39.2	39.9	39.2	37.9	37.3	37.3	36.0	32.8	32.8
107.5°	27.6	28.9	33.4	34.7	34.1	33.4	32.8	32.1	30.9	27.6	27.6
110°	22.5	24.4	28.3	30.2	29.6	28.9	28.9	27.6	26.4	23.8	23.8



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CATALOG NUMBER: LXF.LXT-PA1-50-730-U-T2R-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	19.3	21.2	24.4	26.4	26.4	25.7	25.1	24.4	22.5	20.6	20.6
115°	16.7	18.6	21.9	23.1	23.1	22.5	21.9	21.2	19.3	18.0	18.6
117.5°	15.4	16.7	19.3	20.6	20.6	19.9	19.3	18.6	17.4	16.7	16.7
120°	14.1	15.4	17.4	18.6	18.6	18.0	17.4	16.7	15.4	15.4	15.4
122.5°	12.9	14.1	16.1	16.7	16.7	16.1	15.4	14.8	13.5	14.1	14.1
125°	12.2	12.9	14.1	15.4	15.4	14.8	14.1	12.9	12.2	12.9	12.9
127.5°	11.6	12.2	13.5	14.1	14.1	13.5	12.2	11.6	10.9	11.6	11.6
130°	10.9	11.6	12.2	12.9	12.9	11.6	10.9	10.3	10.3	10.9	10.9
132.5°	10.3	10.9	10.9	11.6	11.6	10.9	9.6	9.0	9.0	9.6	9.6
135°	9.6	9.6	10.3	10.3	10.3	9.6	8.4	7.7	8.4	9.0	9.0
137.5°	8.4	9.0	9.0	9.6	9.0	8.4	7.1	7.1	7.7	7.7	7.7
140°	7.7	7.7	8.4	8.4	7.7	7.1	6.4	5.8	6.4	7.1	7.1
142.5°	7.1	7.1	7.1	7.1	7.1	5.8	5.1	5.1	5.8	5.8	5.8
145°	5.8	5.8	6.4	5.8	5.8	4.5	3.9	4.5	5.1	5.1	5.1
147.5°	4.5	5.1	5.1	5.1	4.5	3.2	2.6	3.9	4.5	4.5	4.5
150°	3.9	3.9	3.9	3.9	3.9	2.6	1.9	3.2	3.9	3.9	3.9
152.5°	3.2	3.2	3.9	3.9	3.2	1.9	1.3	2.6	3.2	3.2	2.6
155°	2.6	2.6	3.2	3.2	2.6	1.3	1.3	1.9	2.6	2.6	1.9
157.5°	1.9	2.6	2.6	2.6	1.9	1.3	0.6	1.3	1.9	1.9	1.9
160°	1.9	1.9	1.9	2.6	1.9	1.3	0.6	1.3	1.9	1.3	1.3
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)