

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: P415467

Luminaire Tested: **LXF.LXT-PA1-50-730-U-T2U-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415467
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-25)
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-T2U-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5556 lumens
Efficiency: N/A
Efficacy: 102.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B2 - U3 - G2

Input Watts (W): 54
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

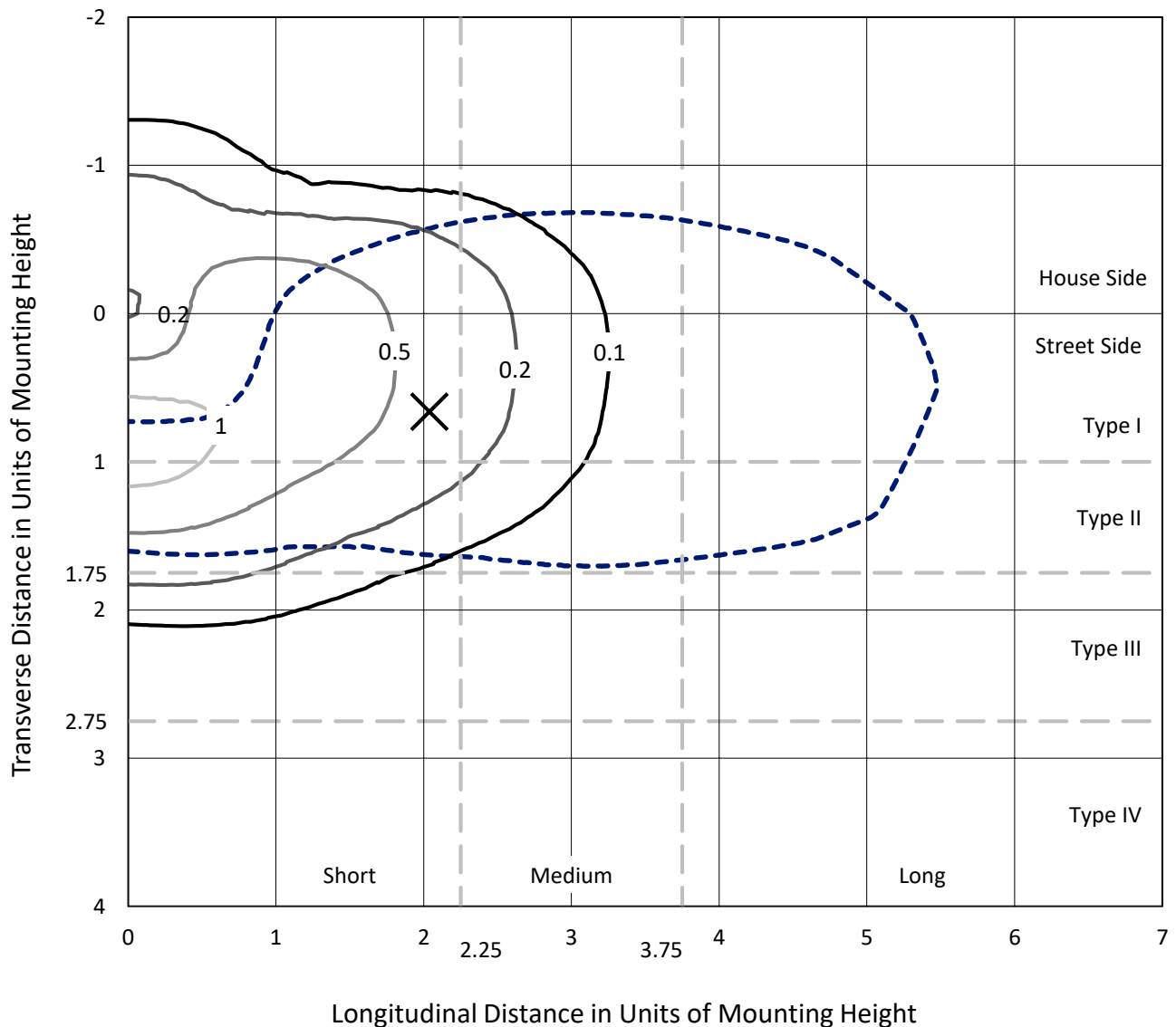


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

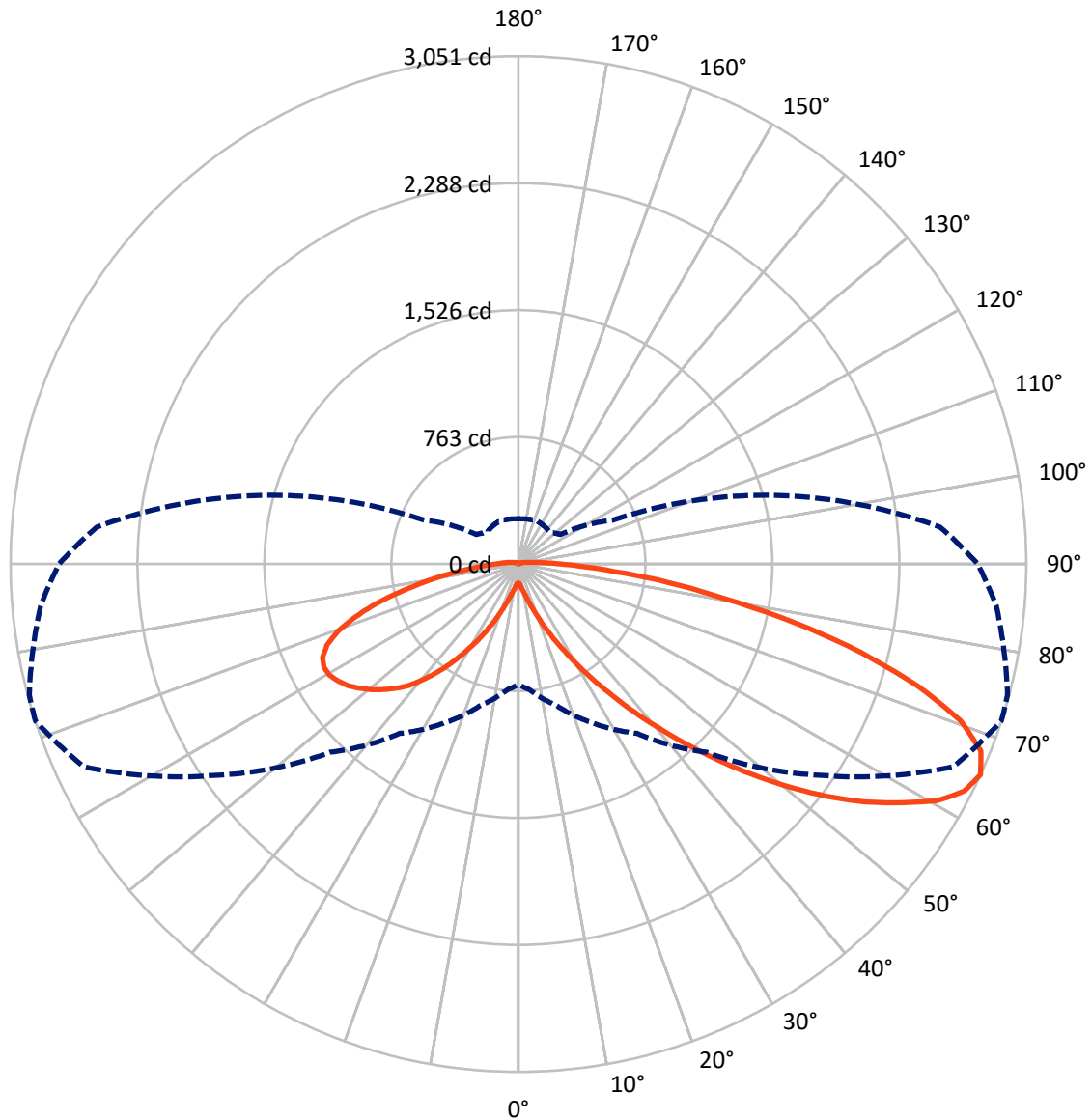


Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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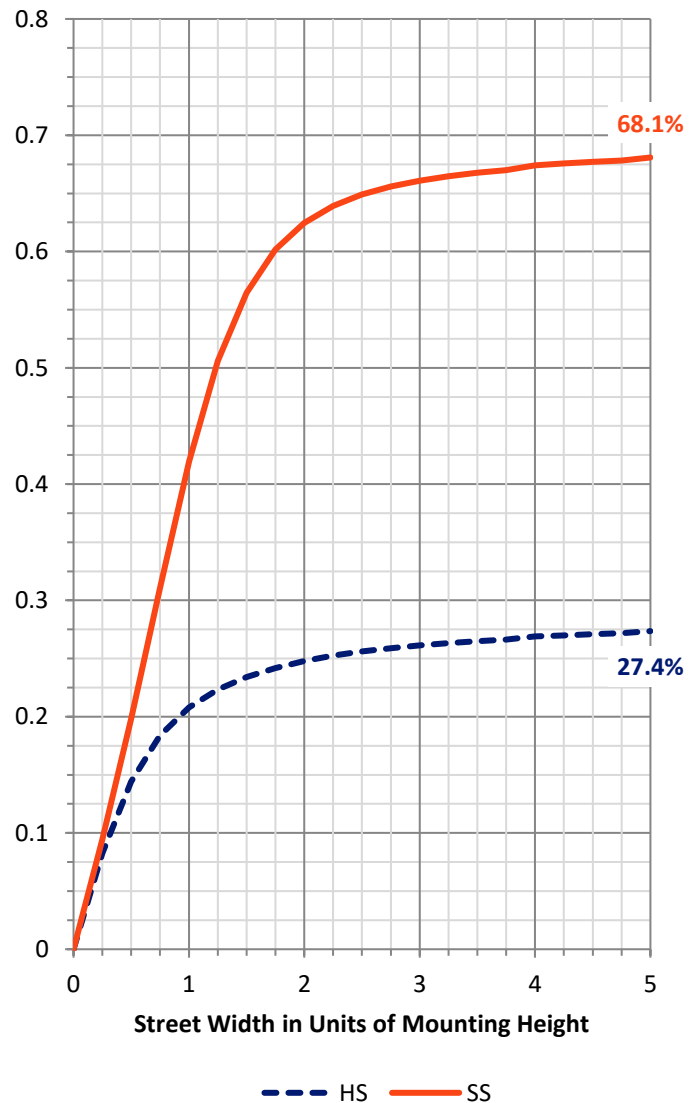
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1566.5	78.8	1645.3
	% Fixture	28.2	1.4	29.6
Street Side	Lumens	3833.8	76.8	3910.7
	% Fixture	69.0	1.4	70.4
Total	Lumens	5400.3	155.7	5556.0
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.2	0.2
10°-20°	67.2	1.2
20°-30°	212.9	3.8
30°-40°	510.2	9.2
40°-50°	941.9	17.0
50°-60°	1283.5	23.1
60°-70°	1251.4	22.5
70°-80°	817.2	14.7
80°-90°	302.7	5.4
90°-100°	84.1	1.5
100°-110°	35.3	0.6
110°-120°	17.8	0.3
120°-130°	10.1	0.2
130°-140°	5.6	0.1
140°-150°	2.3	0.0
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5400.3	97.2
0°-180°	5556.0	100.0



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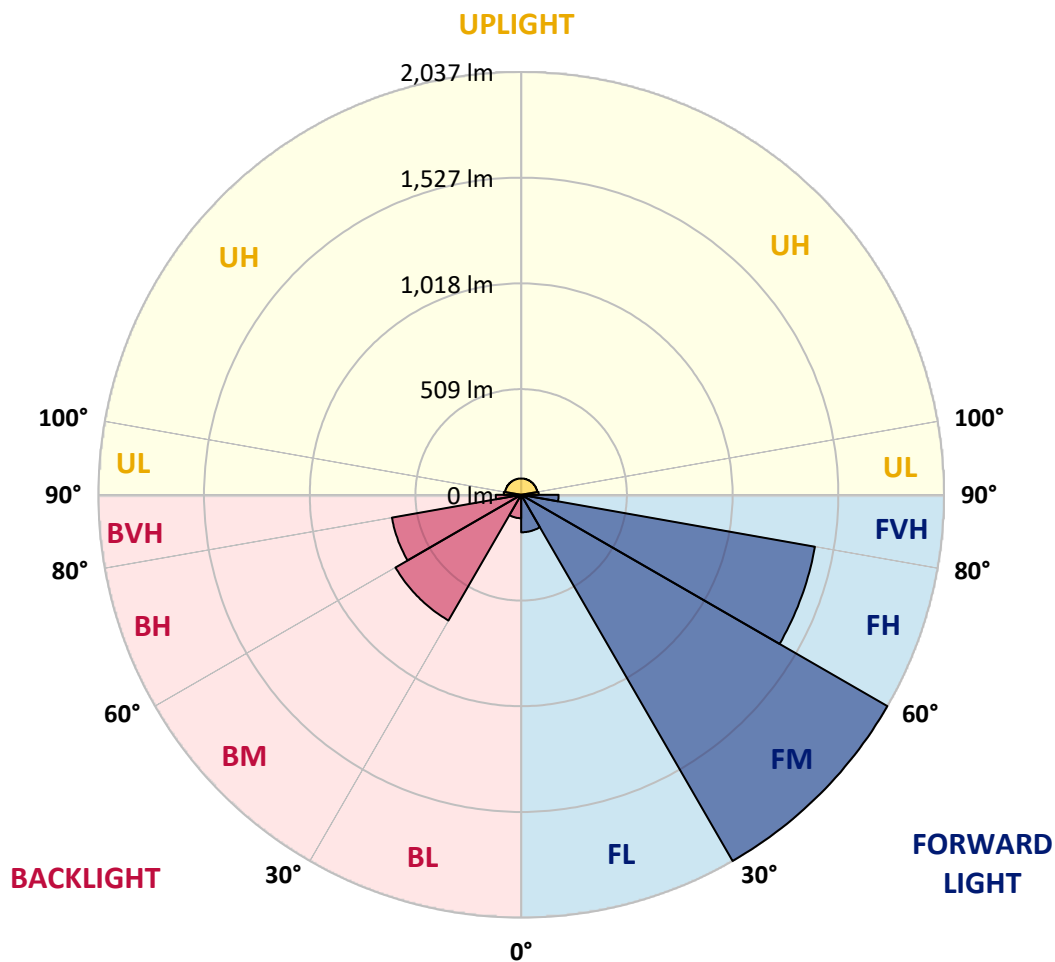
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	180.5	3.2			
FM	(30°-60°)	2036.5	36.7			
FH	(60°-80°)	1436.6	25.9			G1/1800
FVH	(80°-90°)	180.2	3.2			G2/225
BL	(0°-30°)	112.8	2.0	B1/500		
BM	(30°-60°)	699.1	12.6	B1/1000		
BH	(60°-80°)	632.0	11.4	B2/1000		G2/1000
BVH	(80°-90°)	122.5	2.2			G2/225
UL	(90°-100°)	84.1	1.5		U3/500	
UH	(100°-180°)	78.8	1.4		U3/500	

BUG Rating: B2-U3-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	115.7	115.7	115.7	115.7	115.7	115.7	115.7	115.7	115.7	115.7	115.7
2.5°	128.0	127.3	126.0	125.4	125.4	124.1	122.8	120.9	119.6	119.0	117.7
5°	144.7	143.4	142.1	140.8	139.5	137.6	134.4	132.5	129.9	129.3	126.7
7.5°	168.5	167.2	163.3	162.0	160.1	157.5	153.7	149.8	147.3	145.3	141.5
10°	200.0	198.7	196.1	192.9	189.1	183.9	177.5	173.6	167.2	168.5	162.7
12.5°	243.1	239.9	236.6	231.5	223.8	218.0	209.0	205.1	198.1	198.1	191.0
15°	295.2	294.5	288.1	277.2	270.1	257.9	250.1	241.8	237.3	237.3	231.5
17.5°	362.7	358.2	353.0	338.2	322.2	307.4	297.1	291.3	286.2	284.9	277.2
20°	446.3	439.8	432.1	405.8	386.5	368.5	353.7	349.2	345.3	344.7	338.2
22.5°	552.4	538.9	524.7	499.0	468.1	436.6	426.3	416.1	416.7	418.0	403.2
25°	670.1	666.2	641.1	604.5	564.0	529.2	500.9	497.1	500.9	498.4	492.6
27.5°	821.2	808.3	776.8	729.9	665.6	625.0	594.8	592.3	592.9	596.1	586.5
30°	997.4	990.9	951.1	872.6	789.7	735.7	702.9	698.4	706.1	706.7	691.9
32.5°	1205.1	1192.2	1131.1	1043.7	930.5	861.7	824.4	823.1	831.5	833.4	821.8
35°	1415.4	1408.9	1348.5	1223.1	1099.0	994.8	956.9	959.4	965.2	976.8	963.3
37.5°	1657.8	1640.4	1562.6	1430.2	1273.2	1148.5	1108.0	1117.0	1126.0	1126.0	1107.3
40°	1886.7	1880.3	1798.6	1632.1	1444.3	1328.6	1284.2	1289.3	1288.7	1289.3	1264.9
42.5°	2098.9	2077.1	2005.0	1828.2	1634.6	1517.0	1463.6	1472.0	1479.7	1485.5	1423.7
45°	2242.3	2223.7	2160.0	1985.8	1814.7	1703.5	1668.7	1668.7	1677.7	1675.2	1614.1
47.5°	2293.1	2290.6	2243.0	2110.5	1953.6	1867.4	1869.4	1876.4	1889.9	1877.7	1790.3
50°	2269.3	2259.1	2250.7	2176.7	2068.7	2027.6	2066.1	2102.1	2103.4	2081.6	1970.3
52.5°	2120.2	2121.4	2163.9	2150.4	2100.9	2142.7	2260.3	2324.0	2318.2	2297.0	2163.2
55°	1893.2	1903.4	1977.4	2034.0	2064.2	2180.0	2404.4	2536.2	2523.3	2493.8	2358.1
57.5°	1590.9	1624.4	1723.4	1846.9	1954.9	2145.2	2482.8	2720.1	2706.6	2706.6	2552.3
60°	1269.4	1296.4	1442.4	1592.8	1763.3	2028.2	2490.6	2855.2	2888.0	2867.4	2689.9
62.5°	984.5	996.1	1147.2	1336.9	1519.5	1831.4	2401.8	2919.5	3006.3	2988.9	2813.4
65°	724.7	757.5	879.7	1053.3	1242.4	1599.3	2212.1	2881.5	3051.3	3042.3	2881.5
67.5°	538.9	553.7	655.9	816.7	1003.8	1310.5	1935.6	2715.6	2997.3	3005.0	2871.2
70°	403.8	407.7	487.4	619.9	779.4	1034.0	1613.4	2450.7	2817.9	2852.6	2779.3
72.5°	305.5	312.5	378.8	482.9	601.3	796.1	1275.2	2090.6	2511.8	2597.9	2570.3
75°	239.2	247.6	293.2	373.6	464.9	602.5	965.2	1664.9	2127.9	2239.1	2270.0
77.5°	189.1	198.1	236.6	298.4	362.7	464.9	709.3	1245.6	1699.6	1810.8	1900.9
80°	148.5	155.0	189.1	234.7	285.5	343.4	497.1	905.4	1248.2	1387.1	1469.4
82.5°	113.2	120.3	146.6	185.2	223.8	262.4	355.0	616.0	905.4	968.4	1108.6
85°	82.3	88.7	110.6	142.1	172.3	203.2	259.8	410.9	576.8	652.1	722.8
87.5°	60.4	63.0	82.3	105.5	132.5	153.7	187.1	262.4	366.5	403.8	463.0
90°	42.4	45.0	60.4	77.8	100.3	120.3	137.6	173.6	228.3	261.7	272.7
92.5°	31.5	33.4	45.0	58.5	77.2	93.2	104.2	122.8	148.5	162.7	171.7
95°	23.8	25.7	35.4	46.3	59.8	73.3	81.7	88.7	103.5	107.4	115.1
97.5°	19.3	20.6	28.9	37.9	48.2	60.4	64.9	68.8	74.0	77.8	81.0
100°	16.7	17.4	24.4	32.2	41.2	48.9	52.7	54.7	57.9	59.2	60.4
102.5°	14.8	14.8	21.2	27.7	35.4	41.2	44.4	44.4	45.0	45.7	45.0
105°	12.9	13.5	18.6	24.4	30.2	35.4	37.9	36.7	36.0	35.4	33.4
107.5°	12.2	12.2	16.7	21.9	27.0	30.9	32.8	30.2	28.9	27.7	25.7
110°	10.9	11.6	14.8	19.3	23.8	27.0	28.3	25.7	23.1	21.9	19.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	10.3	10.9	13.5	17.4	21.2	24.4	24.4	21.9	18.6	17.4	16.1
115°	10.3	10.3	12.2	15.4	19.3	21.9	21.9	18.6	15.4	14.1	13.5
117.5°	10.3	10.3	11.6	14.1	17.4	19.3	19.3	16.1	12.9	11.6	11.6
120°	9.6	9.6	10.9	12.9	16.1	17.4	16.7	14.1	10.9	10.3	10.3
122.5°	9.6	9.6	10.3	12.2	14.8	16.1	15.4	12.2	9.6	8.4	9.0
125°	10.3	9.6	10.3	11.6	13.5	14.1	13.5	10.3	8.4	7.7	8.4
127.5°	10.3	10.3	9.6	10.9	12.2	12.9	12.2	9.0	7.1	7.1	7.7
130°	10.3	10.3	9.6	10.3	10.9	11.6	10.3	7.7	6.4	6.4	7.1
132.5°	10.3	10.3	9.6	9.6	10.3	10.3	9.0	6.4	5.8	5.8	6.4
135°	10.3	10.3	9.0	9.0	9.0	9.0	7.7	5.8	5.1	5.1	5.8
137.5°	9.6	9.6	9.0	8.4	8.4	7.7	6.4	4.5	3.9	4.5	5.1
140°	9.0	9.0	8.4	7.1	7.1	6.4	5.1	3.9	3.2	3.9	3.9
142.5°	8.4	8.4	7.7	6.4	5.8	5.1	4.5	2.6	2.6	2.6	3.2
145°	7.7	7.7	7.1	5.1	4.5	3.9	3.2	1.9	1.9	1.9	2.6
147.5°	6.4	6.4	5.8	4.5	3.2	3.2	1.9	1.3	1.9	1.9	1.9
150°	5.1	5.1	4.5	3.2	2.6	1.9	0.6	1.3	1.3	1.3	1.9
152.5°	4.5	4.5	3.2	2.6	1.3	0.6	0.6	0.6	1.3	1.3	1.3
155°	3.2	3.2	2.6	1.3	0.6	0.0	0.6	0.6	0.6	0.6	0.6
157.5°	1.9	1.9	1.3	0.6	0.0	0.0	0.0	0.6	0.6	0.6	0.6
160°	0.6	0.6	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	115.7	115.7	115.7	115.7	115.7	115.7	115.7	115.7	115.7	115.7	115.7
2.5°	116.4	116.4	115.7	115.1	114.5	113.8	112.5	111.9	111.9	111.2	111.2
5°	125.4	124.8	122.8	120.9	118.3	117.0	115.1	113.8	113.2	112.5	112.5
7.5°	139.5	138.3	134.4	131.2	128.0	125.4	122.2	120.3	119.6	117.7	118.3
10°	159.5	157.5	153.0	147.3	141.5	137.6	133.1	130.5	129.3	128.0	126.7
12.5°	188.4	184.6	176.8	169.1	160.8	153.0	148.5	146.6	147.9	147.3	147.9
15°	228.3	221.2	209.6	198.1	183.3	173.6	172.3	171.7	171.7	172.3	173.6
17.5°	273.3	265.6	250.8	229.6	212.2	202.6	196.8	196.1	199.3	200.0	199.3
20°	332.5	324.7	301.6	272.7	247.6	232.1	224.4	224.4	228.9	230.2	232.8
22.5°	396.1	391.6	360.1	320.2	286.8	261.7	250.8	252.1	258.5	260.4	261.7
25°	484.9	466.9	428.3	373.6	325.4	291.9	277.2	277.8	284.9	290.0	291.9
27.5°	582.6	562.0	505.4	434.1	364.0	317.0	300.3	300.9	309.3	315.7	317.0
30°	687.4	666.8	592.9	493.9	400.0	339.5	317.0	317.7	327.3	334.4	335.7
32.5°	799.3	782.6	679.1	558.2	431.5	355.0	328.0	328.6	337.0	343.4	344.7
35°	940.8	902.8	781.3	615.4	457.9	364.6	333.1	332.5	340.8	347.2	348.5
37.5°	1080.3	1039.8	878.4	668.8	473.3	367.2	331.8	331.8	338.2	343.4	344.0
40°	1232.1	1164.6	980.7	710.6	479.1	363.3	328.0	327.3	332.5	335.0	335.7
42.5°	1395.4	1312.5	1081.0	744.0	476.5	355.0	320.9	321.5	323.5	323.5	322.8
45°	1542.7	1458.4	1167.1	765.9	467.5	344.0	312.5	313.2	313.8	308.7	308.7
47.5°	1715.7	1613.4	1248.2	771.0	449.5	333.1	306.1	307.4	304.2	297.1	295.8
50°	1879.7	1765.8	1329.8	769.1	430.8	321.5	299.7	300.9	295.2	285.5	283.6
52.5°	2062.3	1916.3	1407.0	759.4	408.3	311.2	295.2	296.4	290.0	278.4	276.5
55°	2242.3	2075.8	1477.7	742.7	389.0	300.3	290.7	293.9	285.5	273.9	273.3
57.5°	2414.0	2234.0	1536.3	718.3	368.5	292.6	287.4	291.3	283.6	272.0	271.4
60°	2567.1	2368.4	1583.2	694.5	346.0	284.9	284.2	289.4	282.3	272.7	272.0
62.5°	2674.5	2489.3	1604.4	662.3	328.0	276.5	280.4	285.5	280.4	272.7	272.7
65°	2760.0	2543.3	1596.1	619.9	308.7	267.5	275.2	280.4	277.2	272.0	272.7
67.5°	2743.9	2542.0	1541.4	569.1	290.7	257.9	266.2	273.3	270.7	268.8	268.2
70°	2644.9	2421.7	1436.6	513.8	272.0	245.6	255.3	262.4	261.7	261.1	261.1
72.5°	2441.0	2213.4	1279.7	450.1	252.7	232.8	241.1	247.6	248.9	248.2	246.3
75°	2174.8	1926.6	1097.7	390.3	232.8	217.4	226.4	230.2	232.1	230.9	230.9
77.5°	1784.5	1606.4	872.6	329.9	211.6	200.0	206.4	209.6	212.2	209.0	207.1
80°	1417.9	1221.8	671.3	269.4	188.4	180.7	183.9	185.2	187.8	184.6	180.7
82.5°	995.4	870.7	486.8	219.9	165.3	158.8	160.8	160.1	161.4	156.9	151.8
85°	664.9	585.2	335.0	176.8	141.5	135.7	135.7	133.8	132.5	128.0	124.1
87.5°	417.3	370.4	230.2	139.5	119.0	114.5	111.9	108.0	106.7	103.5	99.0
90°	257.2	236.6	160.8	111.9	99.0	95.2	92.6	86.8	86.2	81.0	77.8
92.5°	168.5	154.3	119.0	90.7	83.0	79.1	75.9	70.7	70.1	66.2	64.3
95°	111.2	108.0	90.7	75.9	70.1	66.9	63.7	59.2	57.9	54.0	51.4
97.5°	81.7	81.7	74.6	64.3	59.8	56.6	54.7	50.8	48.2	44.4	43.1
100°	61.7	62.4	59.8	55.3	51.4	48.2	46.3	43.1	41.2	37.3	36.7
102.5°	47.6	48.9	49.5	46.9	44.4	41.8	39.9	37.3	34.7	30.9	30.2
105°	36.7	37.9	40.5	39.9	38.6	36.7	34.7	32.2	28.9	25.7	25.7
107.5°	28.3	29.6	33.4	34.1	33.4	31.5	30.2	27.7	25.1	21.9	21.9
110°	21.9	23.8	27.7	28.9	28.9	27.7	26.4	23.8	20.6	18.6	18.6



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CATALOG NUMBER: LXF.LXT-PA1-50-730-U-T2U-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	18.0	19.9	23.1	25.1	25.1	24.4	22.5	19.9	17.4	16.1	16.1
115°	14.8	16.7	19.9	21.9	21.9	21.2	19.9	17.4	14.8	14.1	14.1
117.5°	12.9	14.1	16.7	18.6	19.3	18.6	17.4	14.8	12.9	12.9	12.9
120°	11.6	12.9	14.8	16.1	16.7	16.1	14.8	12.9	10.9	11.6	11.6
122.5°	10.3	10.9	12.9	14.8	14.8	14.8	13.5	10.9	9.6	10.3	10.3
125°	9.0	10.3	11.6	12.9	13.5	12.9	11.6	9.6	8.4	9.0	9.6
127.5°	8.4	9.0	10.3	11.6	11.6	11.6	10.3	8.4	7.7	8.4	8.4
130°	7.7	8.4	9.0	10.3	10.3	10.3	9.0	7.1	7.1	7.7	7.7
132.5°	7.1	7.7	8.4	9.0	9.0	9.0	7.7	6.4	5.8	7.1	7.1
135°	6.4	6.4	7.1	7.7	7.7	7.7	6.4	5.1	5.1	6.4	6.4
137.5°	5.1	5.8	6.4	6.4	6.4	6.4	5.1	4.5	4.5	5.1	5.1
140°	4.5	4.5	5.1	5.1	5.1	5.1	4.5	3.2	3.9	4.5	4.5
142.5°	3.9	3.9	4.5	4.5	4.5	3.9	3.2	2.6	3.2	3.9	3.9
145°	2.6	3.2	3.2	3.2	3.2	2.6	1.9	1.9	2.6	3.2	3.2
147.5°	2.6	2.6	2.6	2.6	2.6	1.9	1.3	1.3	1.9	2.6	2.6
150°	1.9	1.9	2.6	2.6	1.9	1.3	0.6	0.6	1.3	1.9	1.9
152.5°	1.3	1.3	1.9	1.9	1.3	0.6	0.0	0.0	0.6	0.6	0.6
155°	1.3	1.3	1.3	1.3	1.3	0.6	0.0	0.0	0.0	0.0	0.0
157.5°	0.6	0.6	1.3	1.3	0.6	0.6	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.6	0.6	0.6	0.6	0.0	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)