

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: P415556

Luminaire Tested: **LXF.LXT-PA1-50-750-U-T2R-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415556
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-3)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-50-750-U-T2R-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5965 lumens
Efficiency: N/A
Efficacy: 110.5 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

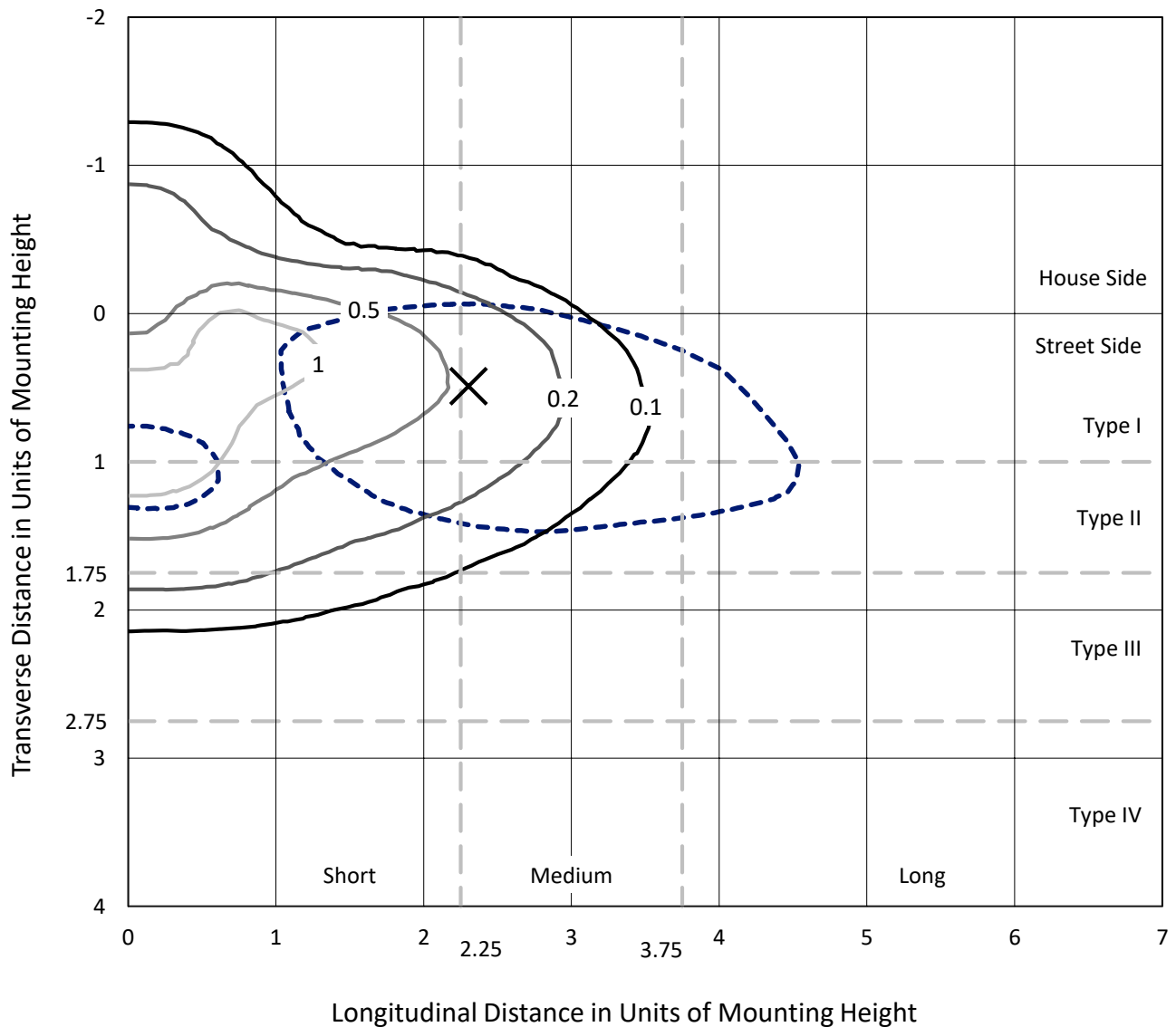
Input Watts (W): 54
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

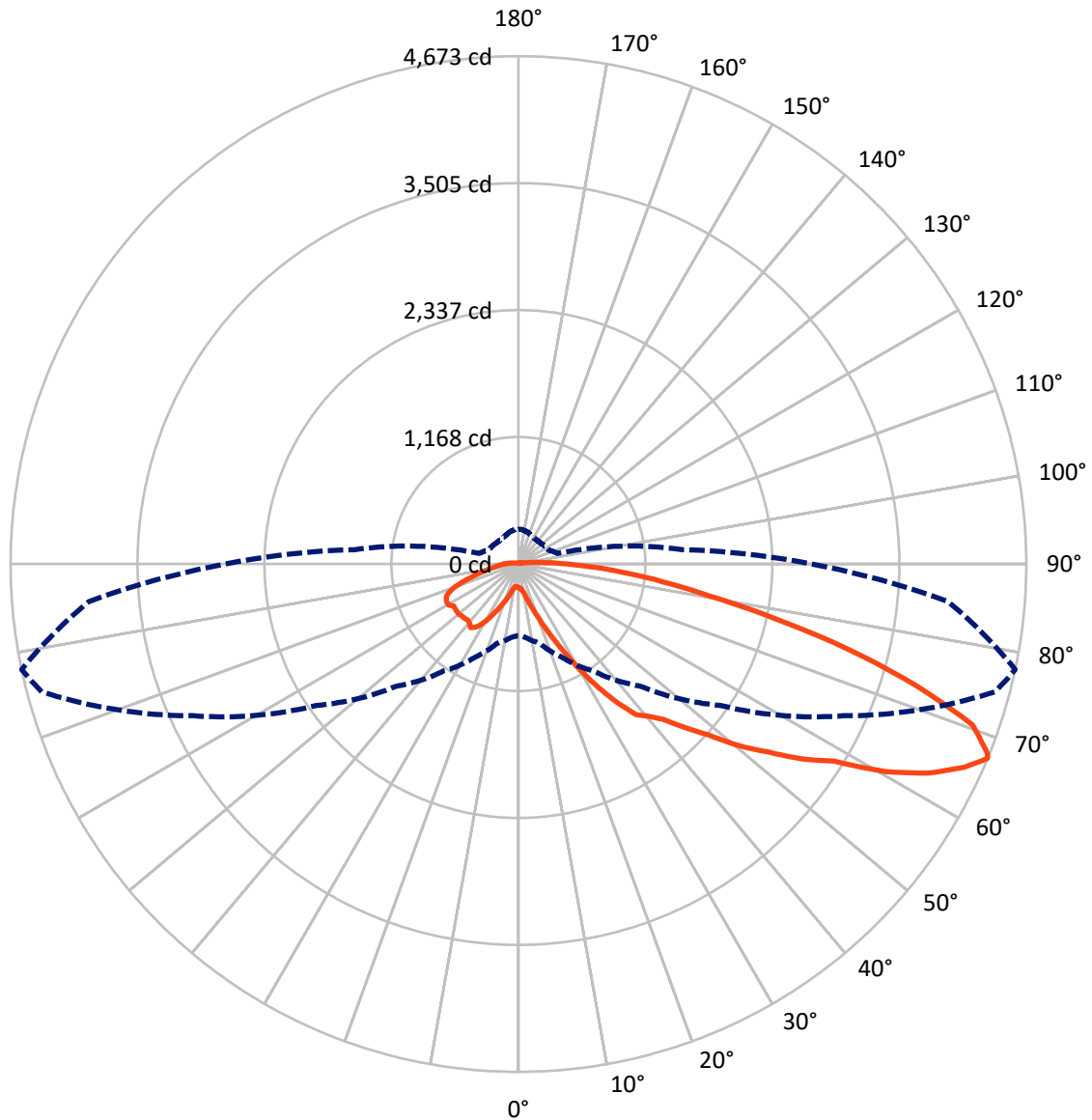
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type II - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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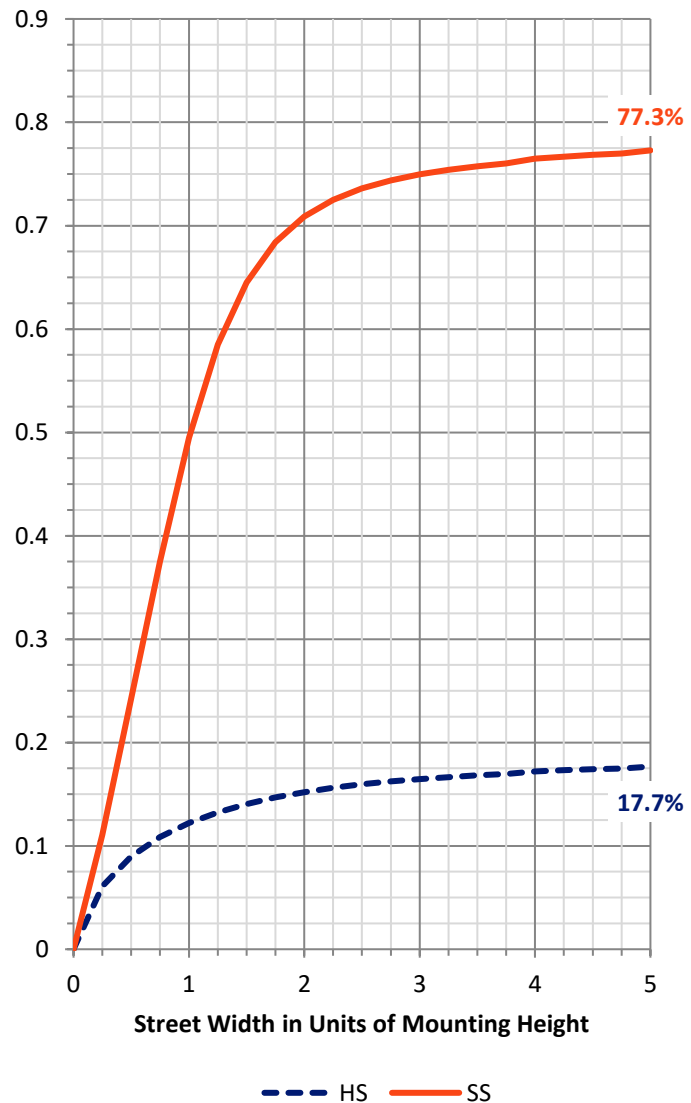
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1103.5	90.2	1193.8
	% Fixture	18.5	1.5	20.0
Street Side	Lumens	4675.1	96.1	4771.2
	% Fixture	78.4	1.6	80.0
Total	Lumens	5778.6	186.4	5965.0
	% Fixture	96.9	3.1	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.9	0.4
10°-20°	92.8	1.6
20°-30°	278.3	4.7
30°-40°	637.1	10.7
40°-50°	1017.6	17.1
50°-60°	1254.1	21.0
60°-70°	1307.1	21.9
70°-80°	847.5	14.2
80°-90°	322.2	5.4
90°-100°	99.5	1.7
100°-110°	38.3	0.6
110°-120°	20.6	0.3
120°-130°	13.6	0.2
130°-140°	9.0	0.2
140°-150°	4.0	0.1
150°-160°	1.2	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	5778.6	96.9
0°-180°	5965.0	100.0



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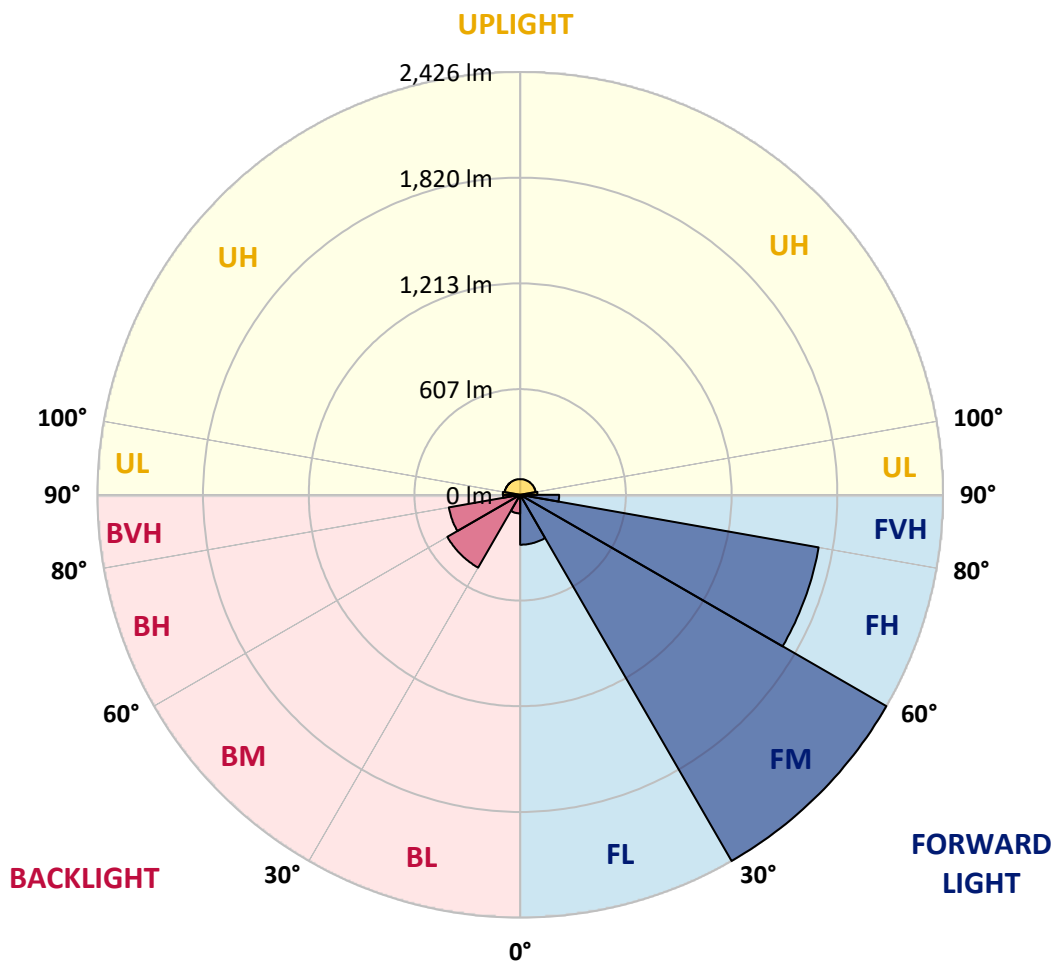
CATALOG NUMBER: LXF.LXT-PA1-50-750-U-T2R-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	286.4	4.8			
FM (30°-60°)	2426.3	40.7			
FH (60°-80°)	1738.9	29.2			G1/1800
FVH (80°-90°)	223.5	3.7			G2/225
BL (0°-30°)	106.6	1.8	B0/110		
BM (30°-60°)	482.5	8.1	B1/1000		
BH (60°-80°)	415.7	7.0	B1/500		G1/500
BVH (80°-90°)	98.7	1.7			G1/100
UL (90°-100°)	99.5	1.7		U3/500	
UH (100°-180°)	90.2	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°	217.5	217.5	217.5	217.5	217.5	217.5	217.5	217.5	217.5	217.5	217.5
2.5°	245.7	245.0	244.3	242.9	240.1	237.2	233.0	227.3	223.1	222.4	218.2
5°	276.8	274.7	274.7	271.1	265.5	259.8	251.4	241.5	233.7	229.5	223.1
7.5°	314.9	310.7	312.1	306.4	298.7	288.8	275.4	261.9	247.1	242.9	233.7
10°	360.8	358.0	355.1	348.1	338.9	323.4	310.7	290.9	271.1	265.5	251.4
12.5°	416.6	417.3	408.8	401.0	385.5	370.0	354.4	335.4	313.5	307.1	288.8
15°	494.9	494.2	485.1	467.4	448.3	431.4	418.7	398.2	377.0	370.0	342.4
17.5°	586.7	584.6	577.5	546.5	527.4	514.0	495.6	482.9	452.6	444.8	410.9
20°	720.9	708.2	691.9	650.3	622.0	605.1	590.3	574.0	541.5	528.1	487.9
22.5°	869.8	876.2	846.5	782.3	735.0	703.9	688.4	679.9	655.2	646.0	585.3
25°	1054.8	1054.8	1008.2	937.6	876.2	818.3	814.8	824.7	791.5	785.1	720.9
27.5°	1249.7	1257.5	1196.0	1120.5	1027.3	959.5	956.0	964.5	961.6	943.3	851.5
30°	1472.1	1465.0	1395.9	1304.1	1180.5	1100.7	1090.8	1152.3	1157.2	1144.5	1044.2
32.5°	1731.2	1725.6	1638.7	1496.8	1344.3	1252.5	1258.9	1345.7	1379.6	1357.7	1240.5
35°	2046.1	2053.2	1916.9	1717.1	1515.9	1410.0	1417.0	1525.8	1589.3	1562.5	1430.4
37.5°	2369.5	2371.6	2246.6	1976.2	1700.2	1549.8	1566.7	1699.5	1781.4	1759.5	1578.0
40°	2574.2	2595.4	2475.4	2218.4	1894.3	1689.6	1703.7	1835.0	1883.0	1842.1	1628.8
42.5°	2753.6	2769.8	2647.7	2371.6	2041.9	1814.5	1809.6	1909.1	1978.3	1952.9	1733.3
45°	2841.8	2873.6	2763.5	2478.2	2145.7	1912.0	1873.8	2022.8	2176.7	2145.0	1902.8
47.5°	2777.6	2816.4	2769.8	2534.0	2192.3	1973.4	1981.9	2186.6	2385.7	2350.4	2087.8
50°	2567.9	2614.5	2630.0	2492.3	2204.3	2003.8	2094.1	2369.5	2636.4	2629.3	2315.1
52.5°	2315.1	2339.8	2407.6	2366.7	2159.8	2039.1	2215.6	2546.7	2894.8	2872.9	2503.6
55°	2081.4	2113.9	2169.7	2145.7	2049.7	2043.3	2311.6	2744.4	3169.4	3166.6	2740.9
57.5°	1759.5	1804.7	1921.9	1935.3	1907.0	2017.2	2381.5	2899.7	3412.3	3422.2	2978.8
60°	1350.7	1388.8	1566.7	1708.6	1733.3	1955.7	2416.8	3070.6	3827.5	3879.0	3394.7
62.5°	1095.1	1102.1	1237.0	1414.2	1582.2	1843.5	2422.4	3286.6	4190.4	4237.0	3643.9
65°	819.7	818.3	942.6	1144.5	1378.2	1712.2	2404.8	3354.4	4387.4	4506.7	3881.8
67°	658.7	674.3	754.1	946.1	1201.7	1589.3	2267.8	3304.3	4542.0	4673.3	3968.7
67.5°	633.3	641.1	713.8	895.3	1161.4	1552.6	2227.6	3291.6	4541.3	4652.8	3942.6
70°	505.5	516.1	569.1	689.1	929.2	1311.8	1944.4	2996.5	4272.3	4434.7	3703.2
72.5°	390.4	398.9	436.3	527.4	707.5	1056.2	1608.4	2578.5	3699.7	3828.2	3139.8
75°	297.2	300.1	335.4	397.5	540.1	805.6	1241.9	2030.6	3042.4	3139.8	2551.6
77.5°	230.2	236.5	263.4	305.0	401.0	606.5	934.8	1581.5	2420.3	2405.5	1940.2
80°	179.3	185.0	204.8	233.7	300.8	445.5	684.2	1169.2	1767.9	1785.6	1420.6
82.5°	144.0	148.3	161.7	182.9	231.6	338.9	499.9	874.1	1344.3	1338.0	1041.4
85°	115.1	117.9	127.8	146.2	178.6	257.0	369.3	649.6	948.9	956.7	711.0
87.5°	89.7	93.2	104.5	115.8	141.2	195.6	272.5	450.5	631.2	637.6	488.6
90°	69.9	72.0	81.9	93.9	114.4	148.3	197.0	308.5	406.7	398.9	314.2
92.5°	51.5	53.7	62.8	74.1	89.0	114.4	141.9	197.7	237.9	242.9	196.3
95°	36.7	38.8	46.6	55.1	67.8	86.8	101.0	125.7	146.2	141.9	125.7
97.5°	28.2	28.9	34.6	41.0	51.5	67.1	74.8	86.8	96.0	93.9	87.5
100°	22.6	23.3	27.5	31.1	40.2	53.0	60.0	66.4	72.0	69.9	67.1
102.5°	19.1	19.8	22.6	25.4	33.2	44.5	48.7	53.0	55.1	55.1	53.7
105°	16.2	16.9	19.1	21.9	28.2	36.7	39.5	41.7	43.8	43.1	43.1
107.5°	14.8	14.8	16.9	19.1	24.7	31.1	32.5	33.2	33.9	33.9	35.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
110°	13.4	14.1	15.5	16.9	21.9	27.5	27.5	26.8	26.8	26.8	28.9
112.5°	12.7	13.4	14.1	16.2	20.5	24.0	23.3	21.9	21.9	22.6	24.7
115°	12.7	12.7	13.4	15.5	19.1	21.9	20.5	18.4	18.4	19.1	21.2
117.5°	12.7	12.7	14.1	15.5	18.4	19.8	18.4	16.2	15.5	16.2	18.4
120°	13.4	13.4	14.1	15.5	16.9	18.4	16.9	14.8	14.1	14.8	16.9
122.5°	14.1	14.1	14.1	15.5	16.2	16.9	15.5	13.4	12.7	13.4	15.5
125°	14.8	14.8	14.8	15.5	16.2	15.5	14.1	12.7	12.7	12.7	14.8
127.5°	16.2	16.2	16.2	16.2	15.5	14.8	13.4	12.0	12.7	12.7	14.1
130°	17.7	17.7	16.9	16.2	15.5	14.1	12.7	11.3	12.0	12.7	14.1
132.5°	18.4	17.7	16.9	15.5	14.8	12.7	11.3	10.6	11.3	12.0	13.4
135°	16.9	16.9	15.5	14.1	13.4	11.3	9.9	9.9	10.6	11.3	12.0
137.5°	14.8	14.8	14.1	12.7	12.0	10.6	9.2	8.5	9.9	10.6	11.3
140°	12.7	12.7	12.0	10.6	9.9	9.2	7.8	7.1	8.5	9.2	9.9
142.5°	10.6	10.6	9.9	8.5	8.5	7.8	6.4	6.4	7.8	7.8	8.5
145°	8.5	8.5	8.5	7.1	7.1	6.4	4.9	5.6	6.4	7.1	7.1
147.5°	7.1	7.1	7.1	5.6	5.6	4.9	3.5	4.2	4.9	5.6	5.6
150°	5.6	5.6	5.6	4.9	4.2	3.5	2.8	3.5	3.5	4.2	4.2
152.5°	4.2	4.2	4.2	3.5	3.5	2.1	2.1	2.8	2.8	3.5	3.5
155°	2.8	2.8	3.5	2.8	2.1	1.4	2.1	2.1	2.8	2.8	2.8
157.5°	2.1	2.1	2.1	1.4	1.4	1.4	1.4	1.4	2.1	2.1	2.1
160°	0.7	0.7	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
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°	217.5	217.5	217.5	217.5	217.5	217.5	217.5	217.5	217.5	217.5	217.5
2.5°	216.0	214.6	211.1	207.6	204.0	201.2	197.7	197.0	197.0	195.6	195.6
5°	218.9	214.6	206.2	199.1	191.3	185.0	180.0	177.9	175.8	174.4	173.0
7.5°	225.2	218.2	204.0	192.8	181.5	171.6	164.5	161.0	158.9	156.7	157.4
10°	240.1	229.5	209.0	190.6	173.7	160.3	151.8	147.6	146.2	144.0	144.0
12.5°	271.8	257.7	228.1	197.0	170.9	152.5	142.6	141.2	142.6	144.7	144.7
15°	322.0	300.8	257.7	214.6	177.2	151.1	145.4	149.7	154.6	157.4	157.4
17.5°	383.4	354.4	293.0	235.1	186.4	163.8	156.7	162.4	168.7	173.0	173.0
20°	451.2	412.3	329.0	252.8	199.8	181.5	173.7	178.6	187.1	193.5	192.8
22.5°	539.4	482.9	370.7	268.3	216.0	197.7	192.8	199.1	211.8	220.3	221.0
25°	648.9	571.2	419.4	288.8	230.9	211.8	213.2	224.5	241.5	250.6	250.6
27.5°	765.4	667.2	461.0	309.2	246.4	226.6	233.7	249.2	267.6	278.2	279.6
30°	919.3	790.8	513.3	329.7	259.8	241.5	249.9	268.3	281.7	288.1	288.8
32.5°	1076.0	908.0	555.0	350.9	272.5	252.1	259.8	277.5	289.5	296.5	295.8
35°	1217.9	1002.6	579.7	360.8	283.8	259.8	263.4	282.4	289.5	293.7	293.0
37.5°	1326.7	1070.4	588.8	362.9	288.1	263.4	264.8	281.0	290.9	298.7	297.2
40°	1345.0	1061.2	554.2	350.2	287.4	263.4	266.2	284.5	295.1	298.7	298.0
42.5°	1412.8	1086.6	524.6	327.6	278.9	262.6	269.0	285.9	290.9	288.8	286.7
45°	1530.7	1140.3	516.1	316.3	268.3	260.5	270.4	282.4	281.7	277.5	276.1
47.5°	1647.2	1191.8	497.8	311.4	265.5	259.8	269.7	278.2	280.3	276.1	274.7
50°	1795.5	1260.3	482.9	304.3	266.2	259.8	268.3	278.2	279.6	272.5	271.8
52.5°	1928.2	1307.6	461.0	298.0	266.9	261.9	268.3	278.2	278.9	271.8	270.4
55°	2066.6	1357.7	438.5	291.6	269.0	264.1	270.4	278.9	279.6	274.7	273.2
57.5°	2205.0	1401.5	413.0	286.7	271.1	268.3	271.8	279.6	285.2	283.8	283.8
60°	2487.4	1527.2	408.8	287.4	273.2	271.8	273.2	283.1	293.7	290.2	290.9
62.5°	2599.0	1554.0	401.0	296.5	279.6	274.7	275.4	285.9	297.2	302.2	301.5
65°	2700.6	1556.1	385.5	302.9	287.4	276.8	276.8	286.7	305.7	317.0	317.0
67°	2695.0	1513.8	374.2	303.6	290.9	278.9	276.1	286.7	306.4	319.1	319.8
67.5°	2662.5	1486.2	370.0	303.6	291.6	278.9	275.4	285.9	306.4	319.8	319.8
70°	2466.9	1341.5	342.4	295.8	289.5	275.4	271.1	278.9	302.2	320.5	320.5
72.5°	2043.3	1104.3	303.6	276.8	276.1	266.2	259.8	268.3	290.9	310.0	309.2
75°	1651.4	882.6	264.8	248.5	255.6	248.5	243.6	249.9	271.8	290.9	289.5
77.5°	1234.2	663.0	228.8	221.7	231.6	226.6	222.4	228.8	249.9	268.3	265.5
80°	912.2	511.2	199.1	196.3	203.3	201.9	200.5	203.3	221.7	233.7	231.6
82.5°	671.4	389.0	171.6	169.5	177.9	177.9	177.9	180.0	193.5	197.7	195.6
85°	477.3	293.0	151.1	145.4	152.5	156.0	158.2	158.9	165.9	166.6	161.7
87.5°	336.1	230.9	135.6	123.6	127.1	134.9	138.4	137.7	140.5	138.4	133.4
90°	234.4	181.5	122.9	105.2	105.2	113.0	118.6	117.9	118.6	113.0	108.0
92.5°	165.2	137.0	103.8	86.8	85.4	93.2	98.1	97.4	97.4	91.8	86.8
95°	110.8	101.0	82.6	69.9	67.8	74.1	79.1	77.7	77.7	72.0	69.9
97.5°	81.9	77.0	67.8	59.3	55.1	58.6	62.1	62.1	62.8	59.3	57.2
100°	64.3	62.1	57.9	50.8	46.6	47.3	49.4	49.4	52.2	49.4	48.0
102.5°	53.7	52.2	48.7	43.8	40.2	39.5	41.0	41.7	45.2	43.1	42.4
105°	44.5	43.8	41.7	37.4	34.6	34.6	34.6	35.3	38.8	37.4	37.4
107.5°	36.0	36.0	36.0	32.5	30.4	30.4	29.7	30.4	33.2	33.2	33.2



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CATALOG NUMBER: LXF.LXT-PA1-50-750-U-T2R-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	30.4	30.4	31.1	28.2	26.8	26.8	26.1	26.8	29.7	30.4	30.4
112.5°	26.1	26.1	26.8	25.4	24.0	24.0	23.3	23.3	26.1	28.2	28.2
115°	22.6	23.3	23.3	22.6	21.9	21.2	20.5	21.2	24.0	26.1	26.1
117.5°	19.8	20.5	21.2	20.5	19.8	19.1	18.4	19.1	21.9	24.7	24.7
120°	17.7	18.4	19.1	19.1	18.4	17.7	16.2	17.7	19.8	22.6	23.3
122.5°	16.2	16.9	16.9	16.9	16.9	15.5	14.8	15.5	17.7	20.5	21.2
125°	15.5	15.5	16.2	16.2	15.5	14.1	13.4	14.1	15.5	17.7	18.4
127.5°	14.8	14.8	15.5	15.5	14.1	12.7	12.0	12.7	14.1	15.5	15.5
130°	14.8	14.8	14.8	14.1	13.4	12.0	10.6	11.3	12.7	14.1	14.1
132.5°	14.1	13.4	13.4	13.4	12.0	10.6	9.9	9.9	11.3	12.7	12.7
135°	12.7	12.7	12.0	12.0	11.3	9.2	8.5	8.5	9.9	11.3	11.3
137.5°	11.3	11.3	10.6	10.6	9.9	8.5	7.1	7.8	9.2	9.2	9.9
140°	9.9	9.9	9.2	9.2	8.5	7.1	5.6	6.4	7.8	7.8	8.5
142.5°	8.5	8.5	8.5	7.8	7.1	5.6	4.9	5.6	7.1	7.1	7.1
145°	7.1	7.1	7.1	6.4	5.6	4.2	3.5	4.9	6.4	5.6	5.6
147.5°	5.6	5.6	5.6	5.6	4.2	3.5	2.8	4.2	4.9	4.9	4.9
150°	4.2	4.2	4.2	4.2	3.5	2.1	2.1	3.5	4.2	4.2	4.2
152.5°	3.5	3.5	3.5	4.2	3.5	1.4	1.4	2.8	3.5	3.5	3.5
155°	2.8	2.8	3.5	3.5	2.8	1.4	0.7	2.1	2.8	2.8	2.8
157.5°	2.1	2.1	2.8	2.8	2.1	1.4	0.7	1.4	2.8	2.1	2.1
160°	1.4	2.1	2.1	2.1	2.1	1.4	0.0	1.4	2.1	1.4	1.4
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)