

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: P415505

Luminaire Tested: **LXF.LXT-PA1-50-740-U-T2R-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415505
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-4)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-50-740-U-T2R-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6251.9 lumens
Efficiency: N/A
Efficacy: 115.8 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

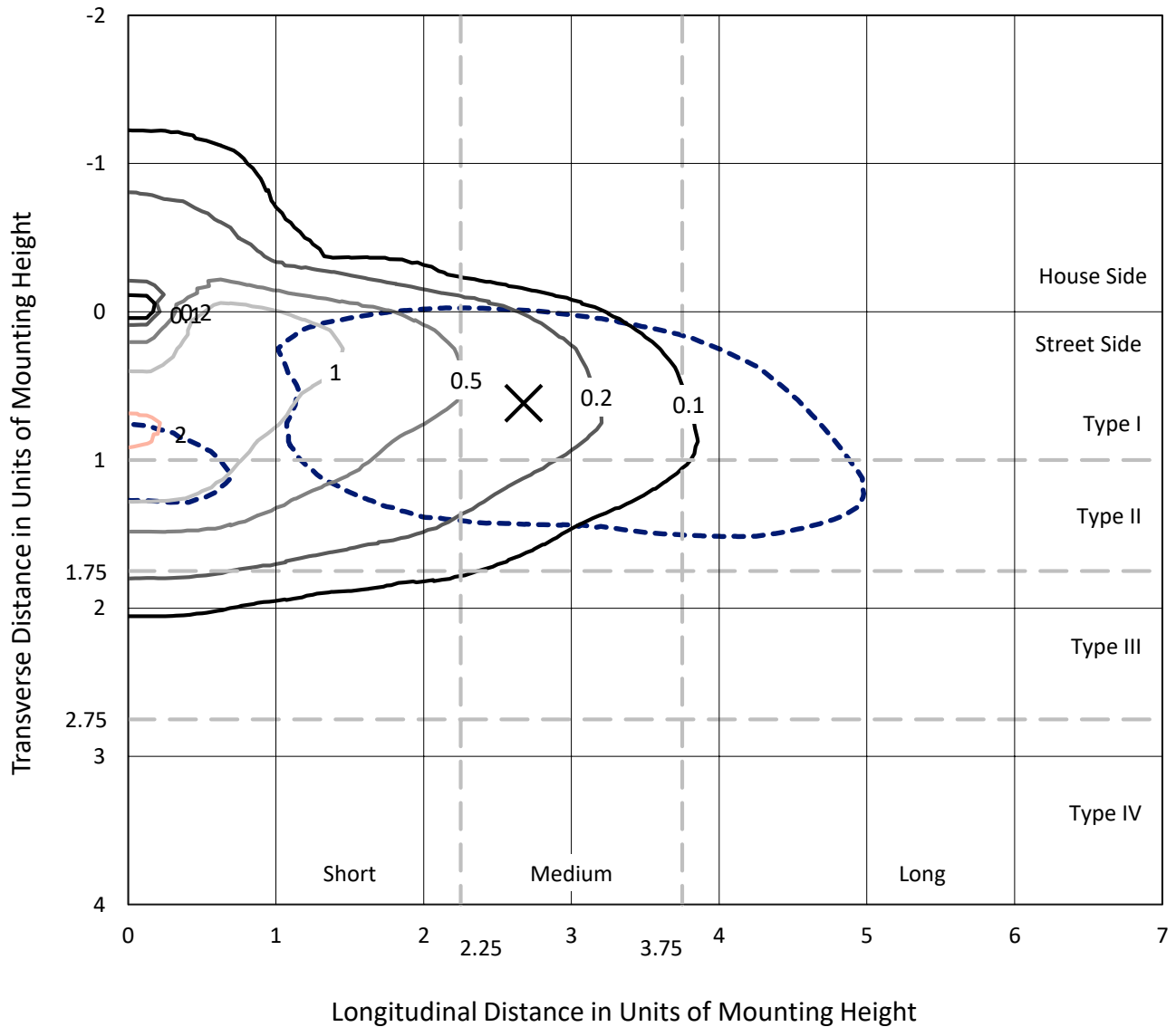


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

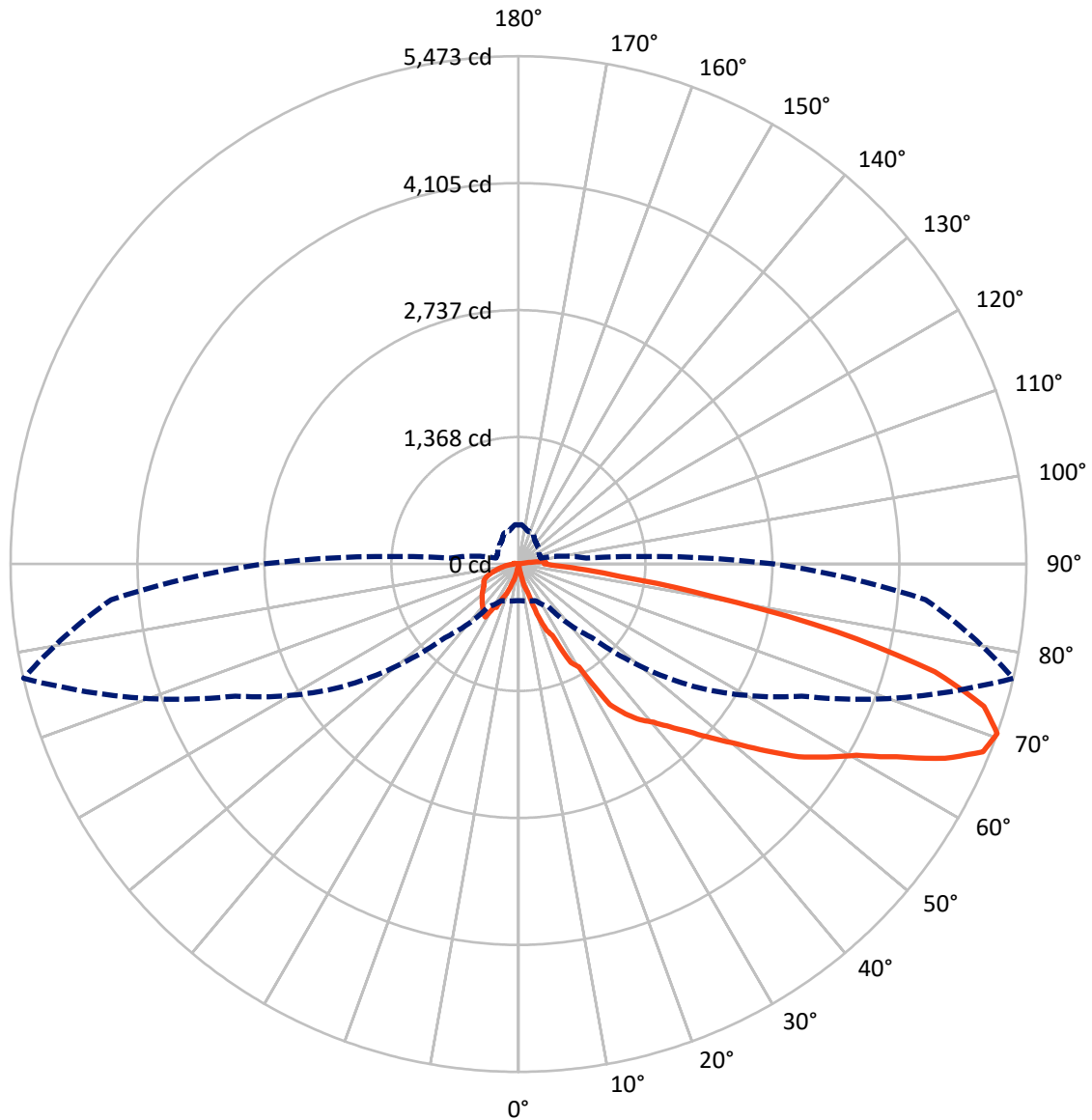


Based on 25 foot mounting height. Maximum calculated value = 2.2 fc
 Type II - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical



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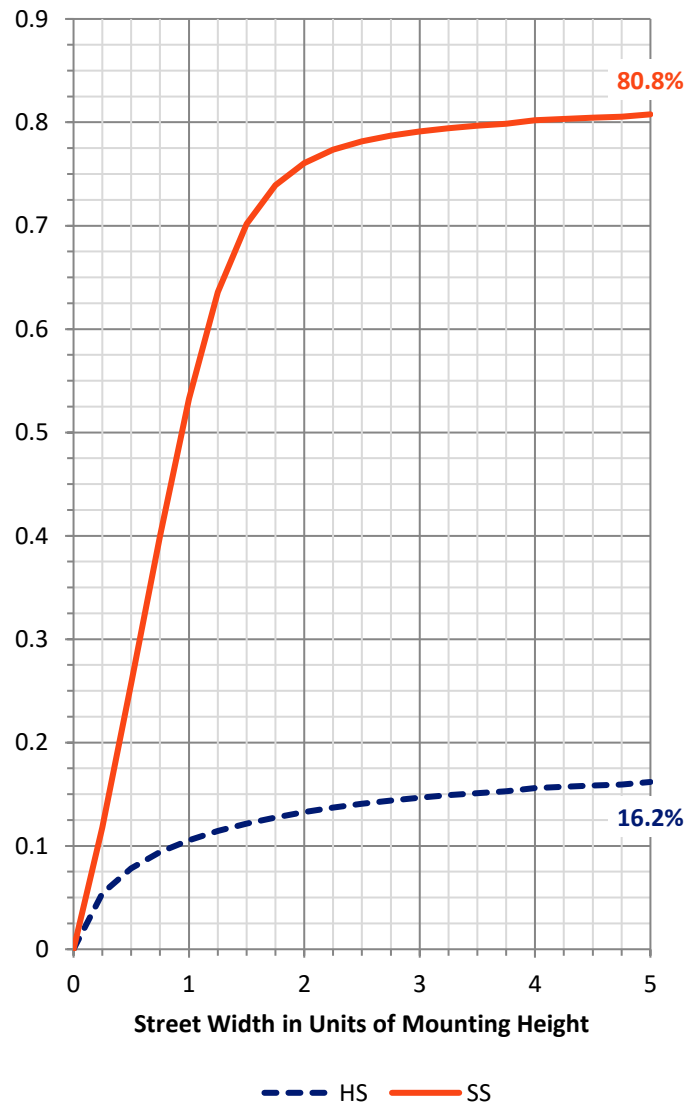
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1057.4	46.4	1103.8
	% Fixture	16.9	0.7	17.7
Street Side	Lumens	5090.4	57.7	5148.2
	% Fixture	81.4	0.9	82.3
Total	Lumens	6147.9	104.1	6251.9
	% Fixture	98.3	1.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.0	0.1
10°-20°	74.4	1.2
20°-30°	294.6	4.7
30°-40°	711.6	11.4
40°-50°	1150.9	18.4
50°-60°	1376.5	22.0
60°-70°	1346.1	21.5
70°-80°	930.6	14.9
80°-90°	258.2	4.1
90°-100°	68.0	1.1
100°-110°	13.9	0.2
110°-120°	7.4	0.1
120°-130°	5.9	0.1
130°-140°	4.0	0.1
140°-150°	3.3	0.1
150°-160°	1.4	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6147.9	98.3
0°-180°	6251.9	100.0

Coefficient of Utilization



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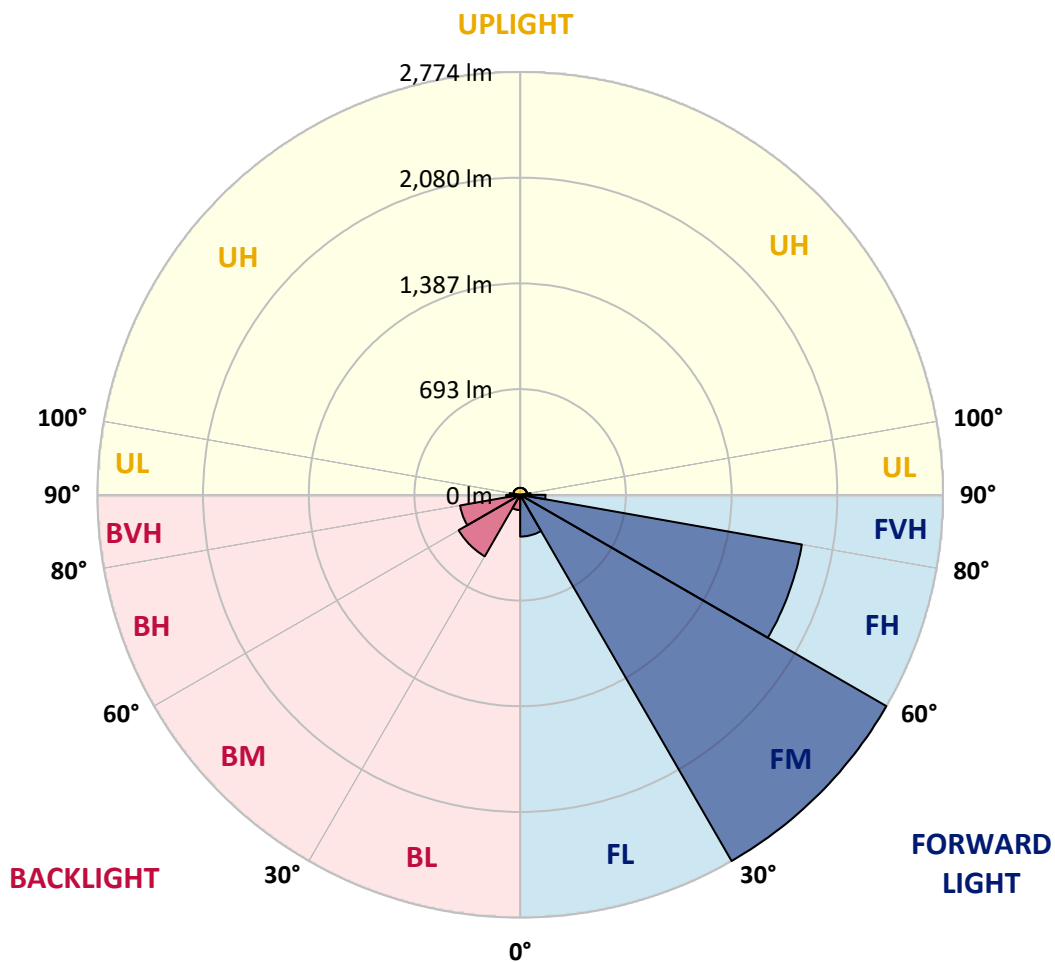
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	273.9	4.4			
FM (30°-60°)	2773.8	44.4			
FH (60°-80°)	1876.3	30.0			G2/5000
FVH (80°-90°)	166.4	2.7			G2/225
BL (0°-30°)	100.1	1.6	B0/110		
BM (30°-60°)	465.1	7.4	B1/1000		
BH (60°-80°)	400.3	6.4	B1/500		G1/500
BVH (80°-90°)	91.9	1.5			G1/100
UL (90°-100°)	68.0	1.1		U3/500	
UH (100°-180°)	46.4	0.7		U2/50	

BUG Rating: B1-U3-G2

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
2.5°	7.8	7.1	7.1	7.8	9.2	8.5	6.4	4.9	4.2	4.2	4.2
5°	153.2	148.3	144.8	102.4	22.6	13.4	8.5	6.4	4.9	4.9	4.2
7.5°	182.9	180.1	178.6	173.7	168.1	156.8	28.2	9.2	5.6	5.6	4.9
10°	206.9	204.8	201.9	199.1	191.4	183.6	168.1	23.3	9.2	9.2	7.8
12.5°	421.5	415.2	409.5	290.9	216.1	207.6	192.8	132.0	100.3	96.7	116.5
15°	432.8	432.8	432.8	436.4	430.0	231.6	315.6	395.4	261.3	252.8	261.3
17.5°	461.1	456.9	449.8	451.9	460.4	511.2	471.0	439.9	348.1	309.3	300.8
20°	689.9	686.3	688.5	638.3	490.7	644.0	639.7	495.7	565.6	573.4	558.5
22.5°	736.5	735.8	733.6	730.8	838.9	683.5	735.8	779.5	790.1	774.6	642.6
25°	1045.0	1037.3	943.4	795.1	898.9	822.6	981.5	864.3	879.8	852.3	814.1
27.5°	1194.0	1177.8	1161.5	1117.1	965.2	1099.4	1044.3	1139.7	1277.3	1203.9	1035.9
30°	1575.3	1584.5	1321.8	1307.0	1194.0	1165.8	1278.8	1339.5	1340.9	1287.2	1163.0
32.5°	1939.7	1915.0	1853.5	1589.4	1422.1	1305.6	1482.8	1426.3	1754.7	1805.5	1576.7
35°	2297.0	2248.9	2068.9	1889.5	1659.3	1609.2	1588.7	1785.7	1910.0	1982.7	1706.0
37.5°	2806.1	2771.5	2599.2	2130.3	1912.8	1732.1	1862.7	1900.8	2098.5	2129.6	1882.5
40°	2993.2	2969.9	2826.5	2458.7	2111.3	1933.3	1985.6	2039.2	2285.7	2242.6	2015.2
42.5°	3127.3	3118.9	3004.5	2630.2	2369.7	2133.1	2127.5	2155.0	2477.7	2398.6	2148.0
45°	3230.4	3218.4	3150.6	2740.4	2491.8	2256.7	2280.7	2297.7	2646.5	2577.3	2299.8
47.5°	3210.7	3215.6	3224.8	2877.4	2564.6	2377.5	2437.5	2420.5	2784.2	2800.4	2470.0
50°	3058.8	3068.7	3136.5	2932.5	2606.2	2476.3	2573.0	2557.5	2976.2	3044.0	2666.3
52.5°	2607.6	2623.9	2875.3	2847.0	2643.0	2554.0	2712.2	2715.7	3200.8	3344.8	2916.9
55°	1909.3	1970.7	2276.5	2563.9	2602.7	2578.7	2805.4	2916.2	3459.2	3666.8	3140.8
57.5°	1535.8	1523.1	1734.2	2152.9	2403.6	2548.3	2903.5	3094.9	3695.1	3925.2	3364.6
60°	1191.9	1196.1	1352.2	1652.3	2054.8	2473.5	3003.8	3255.9	3985.3	4185.1	3638.6
62.5°	887.6	896.0	1009.0	1188.4	1656.5	2264.5	3034.8	3457.1	4388.4	4577.7	3969.7
65°	644.7	658.8	720.2	830.4	1196.8	1951.0	2940.2	3607.5	4835.4	5050.8	4323.5
67.5°	484.4	492.2	528.2	595.2	855.1	1548.5	2706.5	3598.3	5060.0	5398.9	4475.3
70°	394.0	397.5	411.0	435.0	561.4	1122.7	2296.3	3366.7	5108.0	5473.0	4404.7
72.5°	334.7	333.3	334.0	337.5	387.7	767.5	1773.7	2933.2	4924.4	5247.8	4086.2
75°	286.0	283.9	283.9	280.3	299.4	538.8	1221.6	2367.6	4436.5	4637.0	3442.3
77.5°	243.6	240.1	239.4	232.3	240.8	401.1	809.2	1763.1	3510.1	3513.6	2440.3
80°	207.6	201.2	198.4	193.5	203.4	305.7	528.2	1150.2	2147.3	2112.7	1354.3
82.5°	153.2	153.2	157.5	158.9	175.1	226.7	372.8	684.2	1172.1	1109.3	785.2
85°	88.3	96.0	113.7	115.8	134.2	150.4	280.3	405.3	656.0	632.7	402.5
87.5°	32.5	31.1	47.3	50.1	56.5	56.5	152.5	222.4	343.9	358.0	317.0
90°	26.8	26.8	18.4	16.9	21.9	36.7	103.1	156.0	258.4	277.5	299.4
92.5°	28.2	28.2	18.4	16.2	20.5	32.5	86.9	147.6	271.1	297.3	309.3
95°	26.8	27.5	16.2	14.8	19.1	27.5	65.0	126.4	260.6	285.3	302.2
97.5°	23.3	24.0	13.4	12.7	16.9	19.8	35.3	62.8	129.9	134.9	139.8
100°	19.1	19.1	9.9	10.6	13.4	13.4	18.4	33.2	31.8	26.1	22.6
102.5°	16.2	17.7	9.2	8.5	9.9	8.5	8.5	12.7	19.1	16.2	21.9
105°	13.4	14.8	7.8	7.1	7.8	7.1	5.6	9.2	14.1	16.2	23.3
107.5°	9.2	9.9	5.6	6.4	6.4	6.4	4.2	7.1	13.4	15.5	24.0
110°	6.4	6.4	4.2	5.6	5.6	6.4	4.2	7.1	10.6	12.0	19.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	4.2	4.2	3.5	4.2	4.9	4.9	4.2	6.4	9.2	9.9	13.4
115°	3.5	3.5	2.8	3.5	4.2	4.2	3.5	5.6	9.2	10.6	14.1
117.5°	4.2	3.5	2.8	3.5	4.2	3.5	3.5	4.9	9.2	10.6	14.1
120°	4.2	4.2	3.5	3.5	3.5	3.5	3.5	4.9	9.2	10.6	14.1
122.5°	4.9	4.2	3.5	3.5	3.5	3.5	3.5	4.2	8.5	9.9	13.4
125°	4.9	4.9	3.5	3.5	4.2	3.5	3.5	4.2	8.5	9.2	12.7
127.5°	5.6	4.9	4.2	3.5	4.2	3.5	3.5	4.2	7.8	8.5	11.3
130°	5.6	5.6	4.2	3.5	4.2	3.5	3.5	3.5	6.4	7.1	9.9
132.5°	5.6	5.6	4.9	4.2	4.9	4.2	3.5	3.5	4.9	5.6	7.8
135°	6.4	5.6	5.6	4.9	5.6	4.9	3.5	3.5	3.5	4.2	5.6
137.5°	6.4	6.4	6.4	5.6	6.4	4.9	3.5	3.5	3.5	3.5	4.2
140°	7.8	7.8	7.1	6.4	7.1	5.6	4.2	3.5	3.5	3.5	4.2
142.5°	9.2	9.2	8.5	7.8	7.1	5.6	4.9	4.2	4.2	4.2	4.2
145°	10.6	9.9	9.9	8.5	7.1	5.6	4.9	4.9	4.9	4.9	4.9
147.5°	10.6	10.6	9.9	7.8	6.4	4.2	4.2	5.6	5.6	5.6	5.6
150°	9.9	9.9	8.5	7.1	4.9	3.5	3.5	4.9	5.6	5.6	5.6
152.5°	7.8	7.1	6.4	4.2	3.5	2.1	2.8	3.5	4.2	4.2	4.9
155°	4.9	4.2	3.5	2.8	2.8	2.1	2.1	2.8	2.8	2.8	3.5
157.5°	2.1	2.1	1.4	1.4	2.1	2.1	2.1	2.1	2.1	2.1	2.1
160°	0.7	0.7	0.7	0.7	2.1	2.1	2.1	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°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
2.5°	4.2	4.2	4.2	4.2	4.2	3.5	4.2	4.9	5.6	5.6	5.6
5°	4.2	4.2	4.2	4.9	4.9	4.2	4.9	6.4	7.1	7.1	7.1
7.5°	4.9	4.2	4.9	5.6	5.6	5.6	24.7	71.3	79.1	80.5	81.9
10°	7.1	7.1	7.1	7.8	8.5	74.1	87.6	91.8	94.6	96.7	97.4
12.5°	107.3	93.9	58.6	15.5	74.8	91.8	96.7	103.8	107.3	111.6	110.2
15°	240.8	213.2	160.3	137.0	134.2	102.4	107.3	178.6	198.4	201.9	201.2
17.5°	272.6	234.4	178.6	190.6	198.4	153.9	180.8	199.8	203.4	206.9	206.2
20°	507.0	403.9	242.2	209.7	207.6	259.8	192.8	199.1	206.2	242.9	247.1
22.5°	562.8	464.6	317.0	307.2	250.7	264.1	251.4	254.9	276.8	276.8	275.4
25°	704.7	562.1	358.0	313.5	318.5	262.7	295.2	254.9	259.1	259.1	259.8
27.5°	916.5	722.3	475.2	349.5	314.9	317.7	280.3	258.4	295.9	300.1	302.2
30°	980.8	749.9	470.3	390.5	329.0	308.6	262.0	289.5	278.9	278.9	276.8
32.5°	1370.6	1023.1	585.4	382.0	337.5	286.7	290.2	272.6	267.6	289.5	289.5
35°	1447.5	1053.5	564.9	430.0	324.1	298.7	276.1	280.3	271.1	269.7	267.6
37.5°	1535.8	1074.7	519.0	403.9	342.5	286.7	285.3	274.7	262.7	279.6	282.4
40°	1619.8	1095.2	482.3	372.8	316.3	285.3	279.6	274.0	248.5	248.5	247.8
42.5°	1714.4	1108.6	449.1	348.1	290.9	286.0	270.4	252.8	235.8	240.8	239.4
45°	1812.6	1117.1	415.2	320.6	268.3	295.9	271.1	263.4	250.0	252.1	250.0
47.5°	1933.3	1131.2	385.5	293.7	254.2	271.1	256.3	252.8	260.6	253.5	257.7
50°	2061.8	1138.9	358.0	270.4	240.1	263.4	265.5	254.9	260.6	248.5	247.8
52.5°	2215.8	1146.0	328.3	254.9	238.0	262.0	278.2	266.9	257.0	241.5	240.1
55°	2351.3	1123.4	302.9	245.0	252.1	259.1	288.8	275.4	254.9	237.3	238.0
57.5°	2498.9	1094.5	282.4	240.8	249.3	254.2	303.6	287.4	264.1	264.8	265.5
60°	2651.4	1066.9	269.7	240.1	245.7	256.3	305.7	303.6	276.1	282.4	287.4
62.5°	2833.6	1045.0	267.6	245.0	258.4	267.6	307.9	329.8	305.7	308.6	310.0
65°	2976.2	981.5	265.5	247.8	263.4	269.7	308.6	348.1	337.5	353.8	352.3
67.5°	2932.5	864.3	262.0	250.7	266.9	281.0	307.9	361.5	360.1	397.5	394.0
70°	2753.8	734.3	250.7	247.1	268.3	286.7	308.6	365.1	371.4	424.4	420.8
72.5°	2453.0	592.4	230.2	237.3	269.0	293.7	317.7	365.8	372.8	447.7	437.1
75°	2052.6	478.7	199.8	214.7	277.5	298.0	319.9	358.7	358.7	429.3	415.9
77.5°	1477.2	368.6	172.3	194.9	274.7	295.2	313.5	342.5	337.5	371.4	358.7
80°	860.7	271.9	146.9	191.4	257.7	289.5	295.9	302.2	278.9	286.7	278.9
82.5°	516.9	201.2	127.1	171.6	226.7	260.6	265.5	254.9	223.8	223.1	212.5
85°	310.0	137.7	93.2	132.7	178.6	217.5	223.1	193.5	164.5	181.5	162.4
87.5°	228.8	86.9	64.3	82.6	108.7	101.7	132.7	125.0	106.6	102.4	101.0
90°	206.2	66.4	53.0	67.1	73.4	62.8	67.8	67.8	55.1	54.4	51.5
92.5°	204.1	62.1	56.5	65.7	59.3	50.1	55.1	54.4	43.8	41.7	39.5
95°	190.6	55.8	56.5	59.3	52.3	41.0	44.5	41.7	31.1	29.0	26.8
97.5°	89.7	38.8	53.7	51.5	43.1	31.8	36.7	31.8	21.9	19.1	19.1
100°	21.2	33.2	45.9	46.6	34.6	24.0	25.4	20.5	14.1	12.0	12.0
102.5°	21.2	14.8	28.2	36.7	21.2	9.9	14.1	13.4	10.6	10.6	11.3
105°	21.2	14.1	14.1	24.0	12.7	6.4	6.4	8.5	9.2	12.0	13.4
107.5°	21.9	14.8	11.3	11.3	9.2	6.4	5.6	6.4	9.2	14.1	14.8
110°	18.4	13.4	10.6	9.9	9.2	6.4	4.9	6.4	9.2	15.5	16.9



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CATALOG NUMBER: LXF.LXT-PA1-50-740-U-T2R-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	13.4	12.0	9.2	9.2	7.8	6.4	4.9	5.6	9.9	16.9	18.4
115°	13.4	11.3	8.5	7.8	6.4	5.6	4.9	5.6	10.6	18.4	19.8
117.5°	14.1	11.3	7.8	7.1	5.6	4.2	4.2	5.6	10.6	19.1	20.5
120°	14.1	11.3	7.8	7.1	5.6	4.2	4.2	6.4	11.3	18.4	19.8
122.5°	13.4	11.3	7.8	7.1	5.6	3.5	4.2	5.6	10.6	17.7	19.1
125°	12.0	10.6	7.8	6.4	5.6	3.5	4.2	5.6	10.6	16.9	17.7
127.5°	11.3	9.9	7.1	6.4	4.9	3.5	4.2	5.6	9.9	15.5	16.2
130°	9.9	9.2	6.4	5.6	4.9	3.5	4.2	5.6	9.9	14.1	14.8
132.5°	7.8	7.1	5.6	4.9	4.9	3.5	4.2	4.9	7.8	12.0	12.7
135°	5.6	5.6	4.9	4.9	4.9	3.5	4.2	4.2	6.4	9.2	9.9
137.5°	4.2	4.2	4.2	4.9	4.2	3.5	3.5	4.2	5.6	7.1	7.8
140°	4.2	4.2	4.2	4.9	4.2	3.5	3.5	4.2	4.9	5.6	6.4
142.5°	4.2	4.2	4.2	4.9	4.2	2.8	3.5	4.2	4.9	5.6	5.6
145°	4.9	4.9	4.9	4.9	4.2	2.8	2.8	4.2	4.9	5.6	5.6
147.5°	5.6	5.6	4.9	4.9	4.2	2.1	2.1	4.2	4.9	5.6	5.6
150°	5.6	5.6	4.9	4.9	3.5	2.1	2.1	3.5	4.9	4.9	4.9
152.5°	4.2	4.2	4.2	4.2	3.5	1.4	1.4	2.8	4.2	4.2	4.2
155°	3.5	3.5	3.5	3.5	2.8	1.4	0.7	2.1	3.5	3.5	3.5
157.5°	2.1	2.8	2.8	3.5	2.8	1.4	0.7	1.4	2.8	2.8	2.8
160°	1.4	2.1	2.1	2.8	2.8	1.4	0.7	1.4	2.1	2.1	2.1
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)