

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: P415528

Luminaire Tested: **LXF.LXT-PA1-50-740-U-T3-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415528
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-22)
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-T3-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6146 lumens
Efficiency: N/A
Efficacy: 113.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B2 - U3 - G3

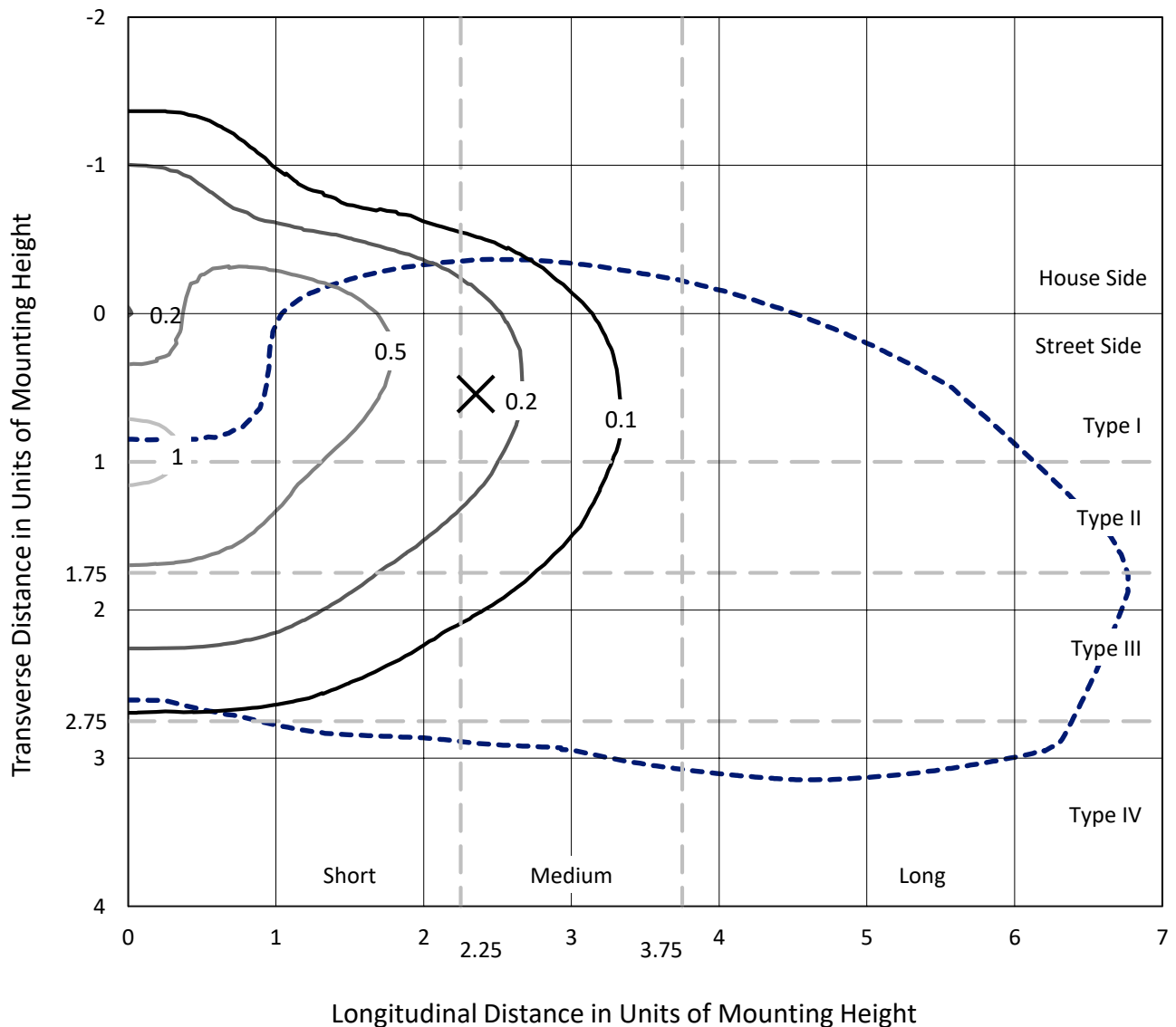
Input Watts (W): 54
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

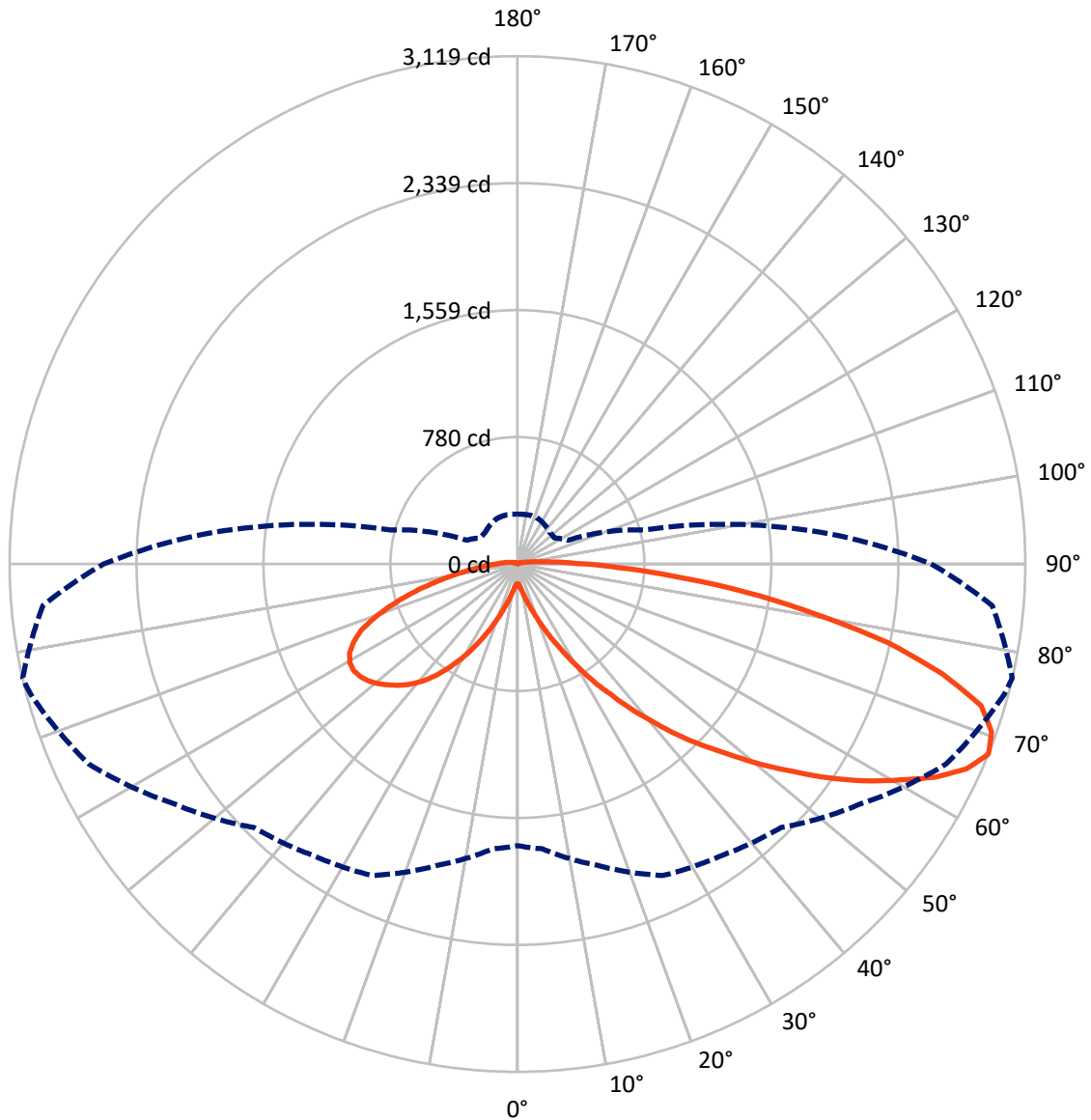
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1402.2	92.3	1494.5
	% Fixture	22.8	1.5	24.3
Street Side	Lumens	4548.7	102.8	4651.5
	% Fixture	74.0	1.7	75.7
Total	Lumens	5950.8	195.1	6146.0
	% Fixture	96.8	3.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.0	0.2
10°-20°	71.3	1.2
20°-30°	213.0	3.5
30°-40°	471.7	7.7
40°-50°	844.7	13.7
50°-60°	1265.1	20.6
60°-70°	1491.2	24.3
70°-80°	1138.5	18.5
80°-90°	441.3	7.2
90°-100°	112.5	1.8
100°-110°	42.6	0.7
110°-120°	20.0	0.3
120°-130°	10.7	0.2
130°-140°	5.9	0.1
140°-150°	2.6	0.0
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5950.8	96.8
0°-180°	6146.0	100.0



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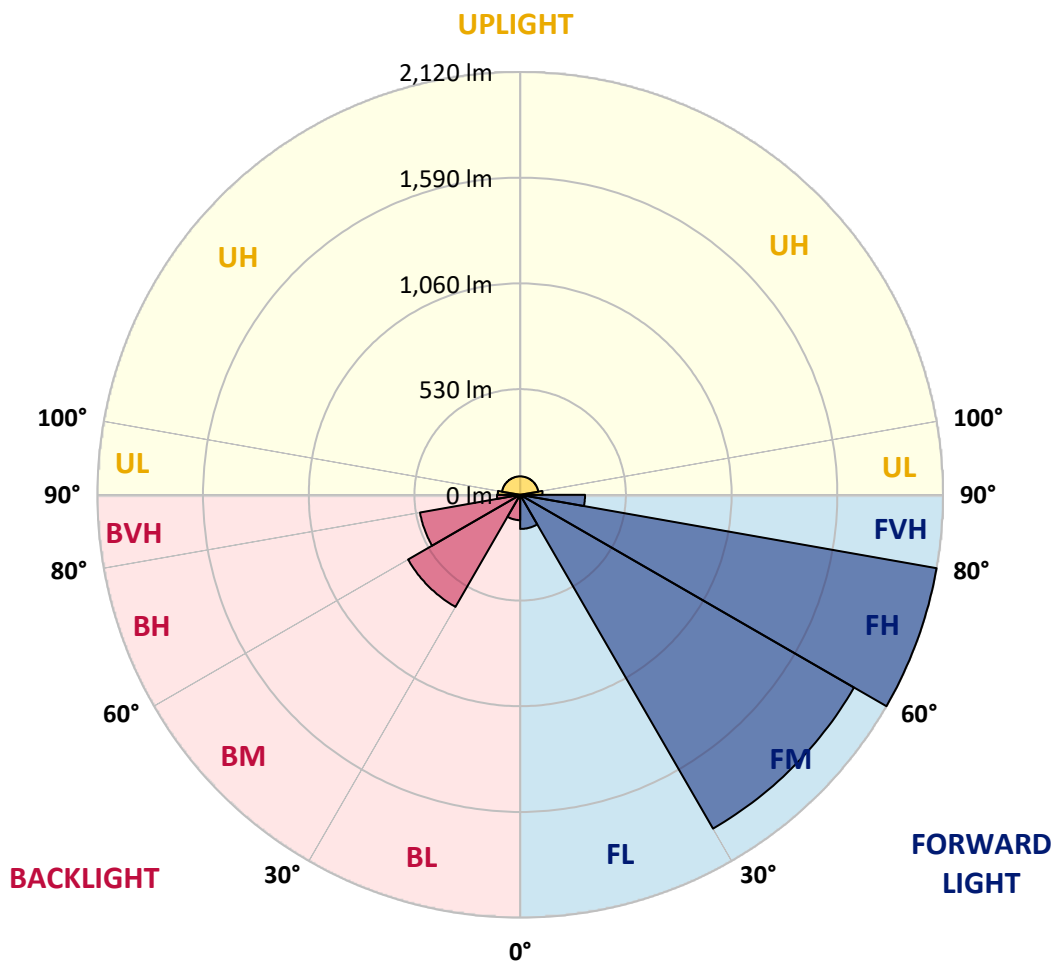
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	171.3	2.8			
FM (30°-60°)	1932.5	31.4			
FH (60°-80°)	2119.9	34.5			G2/5000
FVH (80°-90°)	325.1	5.3			G3/500
BL (0°-30°)	126.9	2.1	B1/500		
BM (30°-60°)	649.0	10.6	B1/1000		
BH (60°-80°)	509.9	8.3	B2/1000		G2/1000
BVH (80°-90°)	116.3	1.9			G2/225
UL (90°-100°)	112.5	1.8		U3/500	
UH (100°-180°)	92.3	1.5		U3/500	

BUG Rating: B2-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	120.7	120.7	120.7	120.7	120.7	120.7	120.7	120.7	120.7	120.7	120.7
2.5°	127.8	127.1	127.8	127.8	128.5	127.1	125.7	125.0	124.3	124.3	123.6
5°	141.2	139.8	140.5	141.2	140.5	139.1	137.0	136.3	134.9	134.9	133.5
7.5°	160.3	160.3	159.6	158.2	159.6	157.5	156.0	155.3	153.2	152.5	151.8
10°	189.2	187.8	187.1	185.7	184.3	183.6	180.8	180.8	177.2	178.6	176.5
12.5°	226.7	223.8	224.5	221.7	217.5	214.7	213.2	212.5	212.5	212.5	211.8
15°	271.8	269.7	269.0	262.7	258.4	254.9	252.1	252.8	256.3	257.0	254.2
17.5°	323.4	326.9	320.6	314.9	308.6	301.5	301.5	301.5	304.3	306.4	305.0
20°	395.4	388.3	381.3	372.1	361.5	355.9	353.0	361.5	366.5	370.0	368.6
22.5°	474.5	467.4	459.7	444.8	430.0	419.4	419.4	430.0	441.3	445.5	447.0
25°	564.2	568.4	549.3	526.7	499.9	490.7	492.1	507.7	524.6	528.2	536.6
27.5°	675.0	675.0	658.8	622.8	587.5	569.1	570.5	595.9	621.4	626.3	632.7
30°	809.9	804.9	783.1	735.0	688.4	653.8	660.2	691.3	731.5	735.7	743.5
32.5°	960.3	959.6	917.2	857.9	790.8	749.9	752.7	797.9	848.0	860.0	868.5
35°	1126.9	1131.2	1076.1	989.9	912.3	857.2	866.4	917.9	976.5	979.3	989.9
37.5°	1317.6	1315.4	1249.8	1155.9	1040.1	981.5	974.4	1044.3	1105.7	1124.1	1118.4
40°	1528.7	1506.1	1442.5	1326.0	1183.4	1105.0	1106.4	1178.5	1261.8	1267.4	1266.0
42.5°	1737.0	1727.1	1650.1	1492.7	1340.2	1247.7	1251.2	1320.4	1406.5	1428.4	1412.9
45°	1961.5	1936.8	1853.5	1691.1	1505.4	1405.1	1395.9	1473.6	1568.2	1585.2	1570.3
47.5°	2143.0	2127.4	2054.0	1881.0	1682.6	1554.1	1540.0	1635.3	1743.3	1744.7	1722.9
50°	2293.4	2285.6	2227.7	2074.5	1854.2	1720.7	1705.9	1800.5	1913.5	1931.9	1900.1
52.5°	2423.3	2410.6	2381.6	2230.5	2010.2	1863.4	1861.2	1965.0	2106.3	2114.7	2084.4
55°	2465.0	2472.7	2468.5	2361.9	2163.5	2004.6	2022.2	2162.0	2288.4	2318.1	2260.9
57.5°	2458.6	2458.6	2498.8	2450.1	2265.8	2132.4	2170.5	2339.3	2503.8	2513.0	2444.5
60°	2362.6	2364.7	2461.4	2474.8	2339.3	2241.8	2331.5	2519.3	2688.1	2693.7	2629.5
62.5°	2224.2	2219.2	2361.2	2428.9	2348.4	2306.8	2446.6	2676.8	2861.8	2880.8	2784.1
65°	2008.1	2017.3	2170.5	2305.4	2300.4	2331.5	2536.3	2818.7	3003.0	3030.5	2890.7
67.5°	1729.2	1756.0	1917.0	2110.5	2185.3	2288.4	2569.5	2905.5	3094.8	3118.8	2926.7
70°	1432.7	1426.3	1600.7	1843.6	1989.8	2178.3	2532.7	2909.1	3096.9	3089.1	2849.8
72.5°	1086.7	1113.5	1270.3	1517.4	1734.2	1969.3	2413.4	2818.7	2978.3	2976.9	2646.4
75°	772.5	788.7	927.1	1174.2	1432.7	1725.0	2175.5	2621.7	2738.9	2696.5	2352.0
77.5°	509.8	524.6	644.0	869.2	1108.6	1417.8	1855.6	2277.8	2371.0	2327.3	1976.3
80°	317.0	324.1	414.5	593.1	805.6	1098.7	1502.6	1862.7	1899.4	1854.9	1521.6
82.5°	188.5	194.2	259.1	380.6	574.0	800.0	1132.6	1427.7	1439.7	1409.4	1097.3
85°	115.8	123.6	165.2	254.2	382.7	564.2	789.4	992.1	1000.5	965.2	725.2
87.5°	75.6	79.8	112.3	165.2	257.7	377.8	528.9	660.2	641.1	619.2	458.3
90°	51.5	54.4	77.0	113.7	174.4	250.0	334.7	413.1	382.7	365.8	278.2
92.5°	36.0	38.8	56.5	81.9	120.7	167.3	217.5	247.1	234.4	226.7	175.1
95°	28.2	29.7	43.1	63.5	89.7	118.6	144.0	153.2	145.5	139.8	117.9
97.5°	22.6	24.0	36.0	51.5	69.9	88.3	100.3	103.1	95.3	92.5	81.9
100°	19.1	20.5	30.4	43.1	57.2	69.9	74.8	74.1	67.8	66.4	59.3
102.5°	16.9	17.7	26.8	37.4	48.7	56.5	59.3	55.8	49.4	48.7	44.5
105°	14.8	16.2	23.3	32.5	41.7	48.0	48.0	43.8	36.7	36.0	33.9
107.5°	14.1	14.1	20.5	28.2	36.0	40.2	40.2	35.3	28.9	27.5	26.1
110°	12.7	13.4	18.4	24.7	31.1	34.6	33.9	28.2	21.9	21.2	20.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	12.0	12.0	16.2	21.9	26.8	29.7	28.2	23.3	17.7	16.9	16.2
115°	11.3	11.3	14.8	19.8	24.0	26.1	24.0	19.1	14.1	13.4	14.1
117.5°	10.6	11.3	13.4	17.7	21.2	22.6	20.5	16.2	12.0	11.3	12.0
120°	10.6	10.6	12.7	15.5	18.4	19.8	17.7	13.4	9.9	9.9	10.6
122.5°	10.6	10.6	12.0	14.1	16.2	16.9	14.8	11.3	9.2	9.2	9.9
125°	9.9	9.9	11.3	12.7	14.8	14.8	13.4	9.9	7.8	7.8	9.2
127.5°	9.9	9.9	10.6	12.0	13.4	13.4	11.3	8.5	7.1	7.8	8.5
130°	9.2	9.2	9.9	10.6	12.0	11.3	9.9	7.8	6.4	7.1	7.8
132.5°	9.2	9.2	9.2	9.9	10.6	9.9	8.5	6.4	6.4	6.4	7.1
135°	8.5	8.5	9.2	9.2	9.2	8.5	7.1	5.6	5.6	5.6	6.4
137.5°	8.5	8.5	8.5	8.5	8.5	7.8	6.4	4.9	4.9	4.9	5.6
140°	7.8	7.8	7.8	7.1	7.1	6.4	4.9	4.2	4.2	4.2	4.9
142.5°	7.1	7.1	7.1	6.4	6.4	4.9	4.2	3.5	3.5	4.2	4.2
145°	6.4	6.4	6.4	5.6	4.9	4.2	2.8	2.8	3.5	3.5	4.2
147.5°	4.9	4.9	4.9	4.9	3.5	3.5	2.1	2.8	2.8	3.5	3.5
150°	4.2	4.2	4.2	4.2	2.8	2.1	1.4	2.1	2.8	2.8	2.8
152.5°	3.5	3.5	3.5	3.5	2.1	1.4	1.4	2.1	2.1	2.1	2.8
155°	2.1	2.1	2.8	2.1	1.4	0.7	1.4	1.4	2.1	2.1	2.1
157.5°	1.4	1.4	1.4	1.4	0.7	0.7	0.7	1.4	1.4	1.4	2.1
160°	0.7	0.7	1.4	1.4	1.4	0.7	0.7	0.7	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°	120.7	120.7	120.7	120.7	120.7	120.7	120.7	120.7	120.7	120.7	120.7
2.5°	122.9	123.6	122.9	122.2	122.2	121.4	121.4	121.4	121.4	120.7	120.7
5°	134.2	133.5	132.7	131.3	129.9	128.5	128.5	127.8	127.1	126.4	126.4
7.5°	149.7	149.7	148.3	146.2	144.0	142.6	141.2	140.5	138.4	138.4	137.7
10°	173.7	173.7	169.5	167.3	163.8	160.3	158.9	156.8	155.3	154.6	153.9
12.5°	208.3	206.2	201.9	194.9	187.8	182.2	178.6	177.2	177.9	177.9	178.6
15°	252.8	248.5	242.2	228.8	216.1	207.6	205.5	205.5	206.2	206.2	206.9
17.5°	305.7	299.4	285.3	268.3	250.0	238.7	233.7	233.7	235.1	237.2	239.4
20°	370.0	364.3	342.5	312.8	285.3	270.4	262.0	261.3	264.1	270.4	269.0
22.5°	442.7	436.4	403.9	360.8	322.7	298.7	289.5	292.3	299.4	303.6	303.6
25°	530.3	519.7	471.0	408.1	359.4	325.5	313.5	317.7	328.3	333.3	335.4
27.5°	624.2	610.1	545.1	459.7	388.3	347.4	334.7	340.3	353.0	360.8	362.9
30°	735.7	711.0	622.8	507.7	414.5	362.9	349.5	360.1	374.2	383.4	385.5
32.5°	853.0	814.8	689.8	548.6	433.5	373.5	360.1	372.8	388.3	398.9	399.6
35°	970.2	926.4	764.0	581.8	443.4	378.5	364.3	379.2	396.1	404.6	406.7
37.5°	1097.3	1036.5	828.2	603.0	447.7	377.8	364.3	379.2	395.4	402.5	403.9
40°	1219.4	1144.6	885.4	615.7	446.2	372.1	359.4	374.9	389.1	394.0	393.3
42.5°	1356.4	1249.1	931.3	616.4	436.4	363.6	353.0	366.5	376.3	375.6	376.3
45°	1487.0	1359.9	965.2	611.5	422.9	353.0	344.6	356.6	360.1	356.6	355.9
47.5°	1630.4	1470.1	992.1	598.8	406.7	343.2	335.4	344.6	345.3	337.5	336.1
50°	1782.2	1580.2	1016.8	575.5	387.6	331.9	326.9	334.7	333.3	320.6	318.4
52.5°	1930.4	1691.8	1032.3	547.2	368.6	322.0	319.9	327.6	323.4	308.6	305.7
55°	2088.6	1794.9	1035.1	519.0	350.2	313.5	313.5	322.0	317.0	301.5	299.4
57.5°	2243.2	1902.9	1024.5	482.3	332.6	304.3	308.6	318.4	314.9	299.4	298.0
60°	2388.0	1984.1	995.6	447.7	316.3	298.0	305.0	316.3	313.5	300.8	299.4
62.5°	2500.3	2037.8	949.7	413.8	302.2	291.6	301.5	312.8	313.5	302.9	303.6
65°	2552.5	2037.8	883.3	379.9	289.5	285.3	298.0	310.7	312.1	305.7	305.7
67.5°	2541.2	1985.5	808.5	344.6	277.5	277.5	293.0	306.4	309.3	306.4	306.4
70°	2421.9	1844.3	706.1	316.3	265.5	268.3	285.3	299.4	303.6	304.3	303.6
72.5°	2227.7	1631.8	600.2	286.7	252.8	259.1	275.4	289.5	295.1	296.6	295.9
75°	1927.6	1385.3	496.4	262.0	239.4	247.1	264.1	276.1	282.4	285.3	283.8
77.5°	1549.2	1099.4	406.7	237.2	223.8	232.3	248.5	258.4	266.2	269.7	266.9
80°	1180.6	818.4	323.4	212.5	204.8	213.9	228.1	238.7	245.7	247.1	245.0
82.5°	838.1	580.4	259.1	189.2	184.3	192.1	204.8	211.8	220.3	219.6	215.4
85°	549.3	394.0	203.4	164.5	162.4	167.3	177.2	181.5	189.9	189.9	185.0
87.5°	357.3	261.3	160.3	138.4	140.5	144.7	149.7	153.2	156.8	157.5	153.2
90°	228.1	178.6	127.8	117.9	120.0	123.6	123.6	122.9	128.5	129.9	126.4
92.5°	149.7	127.1	105.9	100.3	101.7	102.4	102.4	99.6	104.5	105.2	102.4
95°	105.2	95.3	87.6	86.1	86.1	86.1	84.7	81.2	85.4	85.4	84.0
97.5°	79.1	74.1	73.4	73.4	73.4	72.7	70.6	69.2	70.6	70.6	69.9
100°	59.3	58.6	60.7	62.1	62.8	62.1	60.7	58.6	58.6	55.8	56.5
102.5°	45.2	46.6	50.8	53.0	53.0	53.0	52.3	49.4	48.0	45.2	44.5
105°	35.3	36.7	41.7	44.5	45.2	45.9	44.5	41.7	38.8	36.0	35.3
107.5°	27.5	29.7	33.9	37.4	38.8	38.8	38.1	35.3	31.8	28.2	28.2
110°	22.6	24.0	28.2	31.8	33.2	33.2	32.5	28.9	25.4	22.6	22.6



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CATALOG NUMBER: LXF.LXT-PA1-50-740-U-T3-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	18.4	19.8	24.0	26.8	28.2	28.9	27.5	24.7	21.2	18.4	18.4
115°	15.5	16.9	20.5	22.6	24.0	24.0	23.3	20.5	17.7	15.5	15.5
117.5°	13.4	14.8	17.7	19.8	20.5	21.2	19.8	17.7	14.8	13.4	13.4
120°	12.0	12.7	15.5	16.9	17.7	17.7	16.9	14.8	12.7	12.0	12.0
122.5°	10.6	12.0	13.4	14.8	15.5	15.5	14.8	12.7	11.3	10.6	11.3
125°	9.9	10.6	12.0	13.4	13.4	13.4	12.7	11.3	9.9	9.9	9.9
127.5°	9.2	9.9	10.6	11.3	12.0	12.0	11.3	9.9	9.2	9.2	9.2
130°	8.5	9.2	9.9	9.9	10.6	10.6	9.9	8.5	8.5	8.5	8.5
132.5°	7.8	8.5	8.5	9.2	9.2	9.2	8.5	7.8	7.8	7.8	7.8
135°	7.1	7.1	7.8	7.8	7.8	7.8	7.1	7.1	7.1	7.1	7.1
137.5°	6.4	6.4	7.1	6.4	7.1	6.4	6.4	5.6	6.4	6.4	6.4
140°	5.6	5.6	5.6	5.6	5.6	5.6	4.9	4.9	5.6	5.6	5.6
142.5°	4.9	4.9	4.9	4.2	4.2	4.2	4.2	4.2	4.9	4.9	4.9
145°	4.2	4.2	4.2	3.5	3.5	2.8	3.5	3.5	4.2	4.2	4.2
147.5°	3.5	3.5	3.5	3.5	2.8	2.1	2.1	2.8	3.5	3.5	3.5
150°	2.8	3.5	3.5	2.8	2.1	1.4	1.4	2.1	2.8	2.8	2.8
152.5°	2.8	2.8	2.8	2.1	1.4	0.7	0.7	1.4	2.1	2.1	2.1
155°	2.1	2.1	2.1	2.1	1.4	0.7	0.0	1.4	1.4	1.4	1.4
157.5°	2.1	2.1	2.1	1.4	0.7	0.0	0.0	0.7	1.4	0.7	0.7
160°	1.4	1.4	1.4	1.4	0.7	0.7	0.0	0.7	0.7	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)