

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: P416718

Luminaire Tested: **LXF.LXT-PA1-80-730-U-T3-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416718
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-7)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-80-730-U-T3-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7923 lumens
Efficiency: N/A
Efficacy: 95.5 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B2 - U3 - G3

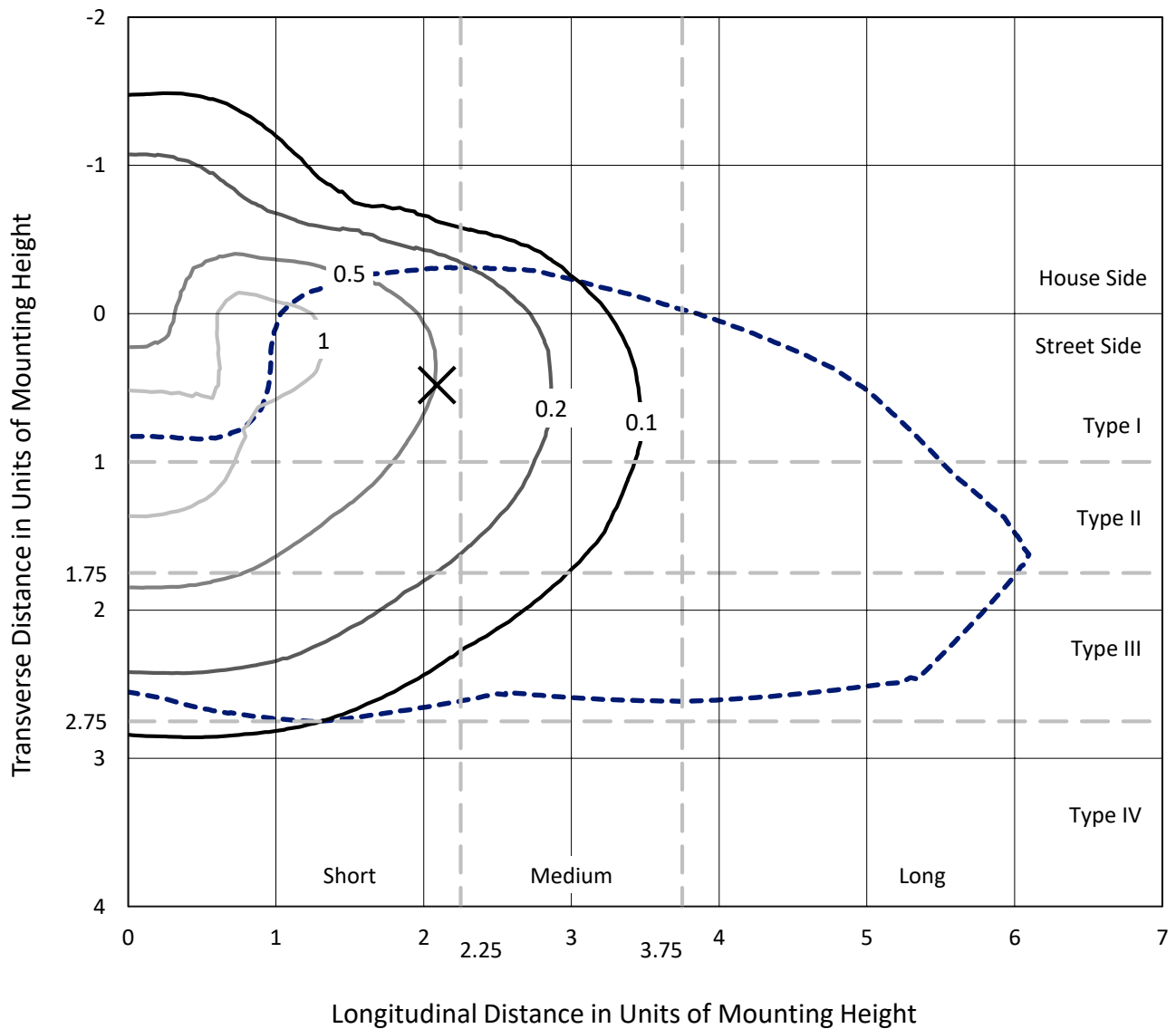
Input Watts (W): 83
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

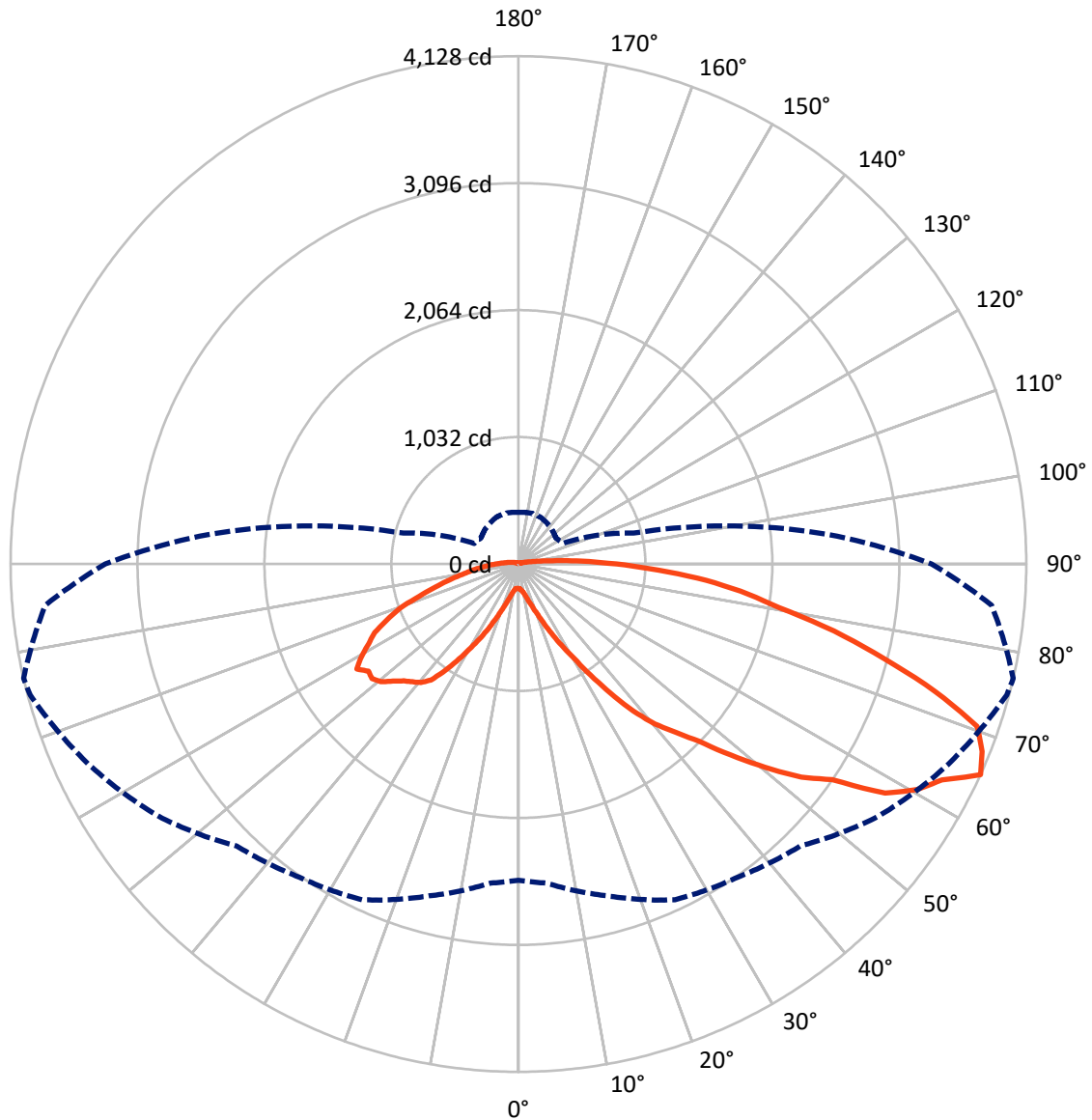
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1745.9	124.2	1870.0
	% Fixture	22.0	1.6	23.6
Street Side	Lumens	5897.7	155.2	6053.0
	% Fixture	74.4	2.0	76.4
Total	Lumens	7643.6	279.4	7923.0
	% Fixture	96.5	3.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.4	0.3
10°-20°	86.8	1.1
20°-30°	254.3	3.2
30°-40°	608.7	7.7
40°-50°	1096.2	13.8
50°-60°	1667.3	21.0
60°-70°	1966.8	24.8
70°-80°	1355.4	17.1
80°-90°	587.7	7.4
90°-100°	171.5	2.2
100°-110°	53.7	0.7
110°-120°	25.1	0.3
120°-130°	14.8	0.2
130°-140°	9.0	0.1
140°-150°	3.9	0.0
150°-160°	1.3	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	7643.6	96.5
0°-180°	7923.0	100.0



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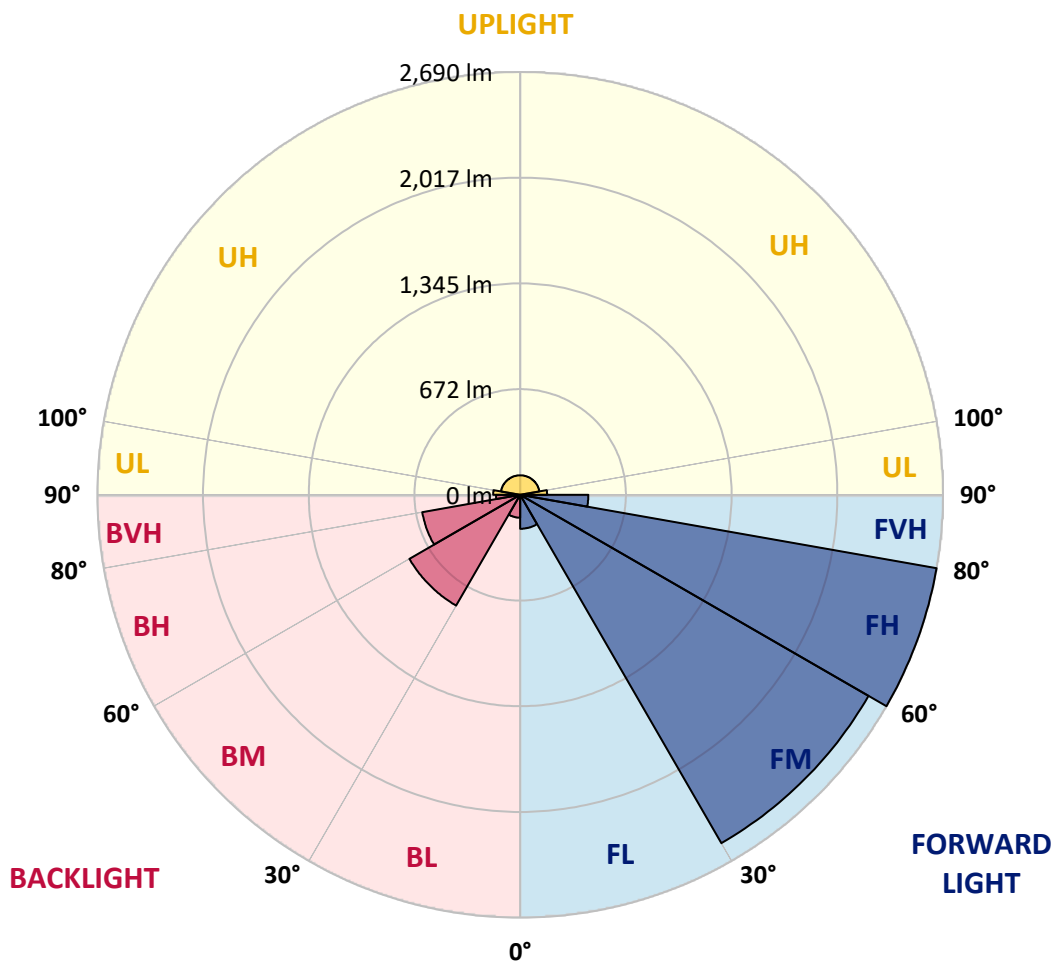
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	215.9	2.7			
FM	(30°-60°)	2558.6	32.3			
FH	(60°-80°)	2689.7	33.9			G2/5000
FVH	(80°-90°)	433.6	5.5			G3/500
BL	(0°-30°)	145.5	1.8	B1/500		
BM	(30°-60°)	813.7	10.3	B1/1000		
BH	(60°-80°)	632.5	8.0	B2/1000		G2/1000
BVH	(80°-90°)	154.1	1.9			G2/225
UL	(90°-100°)	171.5	2.2		U3/500	
UH	(100°-180°)	124.2	1.6		U3/500	

BUG Rating: B2-U3-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	199.4	199.4	199.4	199.4	199.4	199.4	199.4	199.4	199.4	199.4	199.4
2.5°	214.0	213.1	213.1	214.0	212.2	210.4	207.6	204.9	202.2	202.2	200.4
5°	231.3	230.4	230.4	230.4	226.8	224.0	217.7	214.0	210.4	208.6	205.8
7.5°	254.1	251.4	252.3	251.4	245.9	240.4	234.1	226.8	222.2	221.3	215.8
10°	284.1	282.3	280.5	276.9	271.4	262.3	253.2	246.8	240.4	239.5	233.1
12.5°	327.0	325.1	321.5	313.3	301.4	290.5	281.4	274.1	270.5	268.7	262.3
15°	378.9	373.4	371.6	358.8	342.4	329.7	319.7	315.1	311.5	311.5	303.3
17.5°	439.9	439.9	430.8	413.5	392.5	377.0	367.0	358.8	361.6	360.6	356.1
20°	515.5	513.6	500.0	477.2	451.7	437.1	424.4	419.8	423.5	427.1	427.1
22.5°	624.8	620.2	599.3	564.6	527.3	503.6	494.5	493.6	508.2	512.7	518.2
25°	747.7	741.3	714.9	673.0	626.6	590.1	577.4	587.4	613.8	623.8	634.8
27.5°	896.2	892.5	852.4	795.1	739.5	692.2	677.6	708.5	744.1	747.7	769.6
30°	1087.4	1089.2	1034.6	951.7	857.0	807.8	791.4	828.8	881.6	885.2	928.9
32.5°	1308.7	1308.7	1226.7	1126.6	1004.5	935.3	919.8	979.9	1062.8	1075.6	1117.5
35°	1591.0	1574.6	1469.9	1326.0	1173.0	1070.1	1068.3	1162.1	1275.9	1288.7	1334.2
37.5°	1844.2	1854.2	1747.7	1560.1	1353.3	1234.9	1250.4	1369.7	1513.6	1517.3	1566.4
40°	2118.3	2129.3	2003.6	1807.8	1553.7	1420.7	1451.7	1562.8	1705.8	1708.5	1725.8
42.5°	2333.3	2361.5	2244.0	2040.0	1783.2	1632.0	1639.3	1743.1	1853.3	1867.0	1878.8
45°	2461.7	2482.6	2418.0	2255.0	1985.4	1843.3	1826.0	1910.7	2054.6	2051.0	2068.3
47.5°	2663.9	2688.5	2589.2	2440.7	2213.1	2037.3	2015.4	2125.6	2302.3	2320.5	2304.1
50°	2873.3	2906.1	2834.2	2661.1	2426.2	2255.0	2257.7	2383.4	2589.2	2595.6	2605.6
52.5°	3020.0	3043.6	3015.4	2895.2	2645.7	2489.9	2514.5	2664.8	2867.0	2878.8	2838.7
55°	3042.7	3079.2	3101.9	3074.6	2886.1	2732.2	2795.0	2945.3	3081.9	3091.9	3060.9
57.5°	3035.4	3065.5	3113.8	3134.7	3040.0	2981.7	3062.8	3216.7	3479.9	3513.6	3498.1
60°	3027.2	3049.1	3149.3	3180.2	3126.5	3173.0	3302.3	3576.4	3721.2	3724.0	3582.8
62.5°	2799.6	2836.0	3024.5	3180.2	3165.7	3254.0	3537.3	3727.6	3842.3	3863.3	3728.5
65°	2571.0	2602.9	2792.3	3010.9	3107.4	3240.4	3573.7	3854.2	4109.2	4128.3	3861.5
67.5°	2240.4	2290.5	2497.2	2760.4	2878.8	3091.0	3478.1	3898.8	4057.3	4065.5	3760.4
70°	1825.1	1893.4	2126.5	2404.3	2546.4	2761.3	3264.0	3739.4	3960.7	3956.2	3592.8
72.5°	1315.1	1376.1	1589.2	1918.9	2141.1	2376.1	2872.4	3422.5	3548.2	3543.6	3056.4
75°	893.4	926.2	1086.5	1387.9	1707.6	1983.6	2474.4	2969.0	3075.5	3067.3	2618.3
77.5°	585.6	622.9	726.8	984.5	1282.3	1600.1	2077.4	2485.4	2652.9	2622.9	2219.4
80°	358.8	379.8	465.4	664.8	971.7	1291.4	1717.6	2102.9	2189.4	2145.7	1812.3
82.5°	224.0	240.4	301.4	439.0	697.6	997.2	1408.9	1770.4	1867.0	1817.8	1490.9
85°	137.5	145.7	187.6	288.7	473.6	733.1	1132.9	1436.2	1495.4	1459.9	1123.8
87.5°	100.2	102.0	128.4	194.9	319.7	524.6	834.2	1081.9	1124.7	1059.2	787.8
90°	73.8	77.4	94.7	137.5	222.2	356.1	574.7	761.4	772.3	732.2	526.4
92.5°	55.6	57.4	71.0	97.4	153.0	243.2	383.4	510.0	500.0	471.8	327.0
95°	40.1	41.0	51.0	69.2	107.5	163.0	244.1	319.7	287.8	275.9	198.5
97.5°	32.8	33.7	41.0	53.7	79.2	114.8	157.6	190.3	169.4	162.1	127.5
100°	28.2	28.2	34.6	44.6	61.9	85.6	104.7	119.3	109.3	105.6	90.2
102.5°	25.5	25.5	30.1	37.3	51.0	67.4	77.4	82.0	76.5	73.8	66.5
105°	22.8	22.8	26.4	31.9	42.8	54.6	59.2	60.1	54.6	53.7	51.0
107.5°	20.9	20.9	23.7	28.2	36.4	45.5	47.4	44.6	41.9	40.1	40.1
110°	18.2	19.1	20.9	24.6	31.9	38.3	38.3	34.6	31.0	31.0	31.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	17.3	17.3	19.1	22.8	28.2	32.8	31.0	27.3	24.6	24.6	26.4
115°	15.5	15.5	17.3	20.9	25.5	28.2	26.4	22.8	20.0	20.9	22.8
117.5°	14.6	14.6	16.4	19.1	22.8	24.6	22.8	19.1	17.3	18.2	20.9
120°	14.6	14.6	16.4	18.2	20.9	21.9	20.0	16.4	15.5	15.5	18.2
122.5°	14.6	14.6	15.5	18.2	20.0	20.0	17.3	14.6	13.7	13.7	16.4
125°	14.6	14.6	16.4	18.2	18.2	18.2	15.5	12.8	11.8	12.8	14.6
127.5°	15.5	15.5	16.4	17.3	17.3	16.4	13.7	11.8	10.9	11.8	13.7
130°	15.5	15.5	16.4	17.3	16.4	14.6	12.8	10.9	10.9	10.9	13.7
132.5°	15.5	15.5	16.4	16.4	15.5	12.8	10.9	9.1	10.0	10.9	12.8
135°	14.6	14.6	14.6	14.6	13.7	11.8	9.1	8.2	9.1	10.0	11.8
137.5°	13.7	13.7	13.7	13.7	11.8	10.0	7.3	6.4	8.2	8.2	10.0
140°	11.8	11.8	12.8	11.8	10.9	8.2	6.4	4.6	6.4	6.4	8.2
142.5°	10.9	10.9	10.9	10.9	9.1	7.3	4.6	4.6	5.5	5.5	6.4
145°	9.1	9.1	10.0	9.1	7.3	5.5	3.6	3.6	4.6	4.6	5.5
147.5°	7.3	8.2	8.2	7.3	6.4	4.6	2.7	2.7	3.6	3.6	4.6
150°	6.4	6.4	6.4	6.4	4.6	2.7	1.8	2.7	3.6	3.6	3.6
152.5°	4.6	4.6	5.5	5.5	3.6	1.8	1.8	2.7	2.7	2.7	3.6
155°	3.6	3.6	4.6	3.6	2.7	0.9	1.8	1.8	2.7	2.7	2.7
157.5°	1.8	1.8	2.7	2.7	1.8	0.9	0.9	1.8	1.8	1.8	2.7
160°	0.9	0.9	2.7	2.7	1.8	0.9	0.9	0.9	1.8	1.8	1.8
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°	199.4	199.4	199.4	199.4	199.4	199.4	199.4	199.4	199.4	199.4	199.4
2.5°	199.4	197.6	196.7	194.9	193.1	191.3	191.3	191.3	190.3	189.4	190.3
5°	203.1	202.2	197.6	194.0	190.3	188.5	186.7	185.8	185.8	184.0	184.0
7.5°	213.1	209.5	203.1	196.7	193.1	189.4	186.7	185.8	184.9	183.1	183.1
10°	228.6	224.0	216.8	206.7	200.4	194.0	191.3	191.3	190.3	189.4	189.4
12.5°	257.7	252.3	239.5	225.9	213.1	204.0	202.2	204.9	210.4	211.3	211.3
15°	300.5	294.2	277.8	255.9	235.9	223.1	224.9	232.2	239.5	242.3	242.3
17.5°	353.4	346.1	322.4	290.5	264.1	252.3	251.4	261.4	271.4	276.9	276.9
20°	424.4	412.6	381.6	336.1	299.6	286.0	280.5	289.6	305.1	311.5	309.6
22.5°	512.7	499.1	455.4	386.1	340.6	316.0	308.7	318.8	337.9	346.1	345.2
25°	629.3	615.6	544.6	449.0	380.7	342.4	337.9	352.5	380.7	397.1	395.3
27.5°	765.0	742.2	647.5	519.1	419.8	364.3	365.2	389.8	418.9	437.1	435.3
30°	909.8	880.7	751.3	586.5	456.3	388.9	387.1	416.2	446.3	465.4	465.4
32.5°	1101.1	1058.3	871.6	651.2	484.5	408.0	401.6	434.4	465.4	485.4	484.5
35°	1306.0	1248.6	997.2	719.5	508.2	418.0	410.7	444.4	476.3	500.0	500.0
37.5°	1540.9	1443.5	1114.7	766.8	524.6	423.5	413.5	451.7	490.9	515.5	513.6
40°	1664.8	1555.5	1171.2	787.8	527.3	424.4	418.0	458.1	490.9	500.0	495.4
42.5°	1803.2	1662.1	1194.9	762.3	517.3	422.6	420.8	451.7	466.3	463.6	460.8
45°	1978.1	1787.8	1217.6	730.4	493.6	419.8	416.2	434.4	435.3	424.4	420.8
47.5°	2201.2	1960.8	1255.0	692.2	469.9	413.5	408.9	417.1	401.6	381.6	375.2
50°	2440.7	2161.1	1301.4	659.4	448.1	405.3	400.7	398.0	382.5	362.5	358.8
52.5°	2649.3	2296.8	1314.2	624.8	433.5	399.8	394.3	391.6	377.0	354.3	349.7
55°	2836.0	2412.5	1269.5	572.8	421.7	396.2	394.3	394.3	378.9	355.2	350.6
57.5°	3204.8	2689.4	1285.9	520.0	406.2	395.3	398.0	398.9	384.3	361.6	357.0
60°	3215.8	2636.5	1190.3	482.7	392.5	395.3	401.6	403.5	393.4	378.0	375.2
62.5°	3320.5	2638.4	1061.9	434.4	383.4	393.4	404.4	410.7	411.6	402.5	400.7
65°	3358.8	2600.1	969.0	396.2	370.7	388.9	405.3	420.8	426.2	421.7	419.8
67.5°	3212.1	2424.3	842.4	370.7	357.9	381.6	404.4	423.5	435.3	438.1	438.1
70°	3019.1	2226.7	729.5	346.1	344.3	371.6	398.0	423.5	439.9	447.2	447.2
72.5°	2529.1	1828.7	602.0	320.6	326.0	356.1	384.3	415.3	433.5	439.9	437.1
75°	2115.6	1505.4	495.4	298.7	307.8	337.0	365.2	395.3	408.0	411.6	408.9
77.5°	1789.6	1252.2	407.1	278.7	286.0	312.4	337.9	358.8	367.0	365.2	360.6
80°	1442.6	977.2	334.2	254.1	261.4	282.3	300.5	316.9	325.1	320.6	317.8
82.5°	1148.4	776.8	285.1	232.2	235.0	252.3	265.0	277.8	291.4	287.8	280.5
85°	849.7	571.9	242.3	208.6	208.6	221.3	227.7	239.5	258.6	257.7	255.0
87.5°	581.0	407.1	205.8	184.9	184.0	191.3	194.9	207.6	232.2	233.1	230.4
90°	382.5	278.7	172.1	160.3	158.5	163.9	166.7	177.6	197.6	199.4	195.8
92.5°	248.6	193.1	141.2	135.7	134.8	139.3	138.4	145.7	159.4	158.5	155.7
95°	159.4	134.8	114.8	112.0	109.3	114.8	112.9	114.8	122.0	120.2	120.2
97.5°	110.2	102.9	94.7	90.2	88.3	93.8	92.0	92.0	95.6	92.0	90.2
100°	84.7	82.0	78.3	74.7	71.0	75.6	75.6	75.6	78.3	72.9	71.0
102.5°	65.6	64.7	64.7	61.9	59.2	62.8	63.8	64.7	63.8	58.3	57.4
105°	51.9	51.9	53.7	51.0	50.1	52.8	53.7	52.8	52.8	48.3	48.3
107.5°	41.0	42.8	44.6	42.8	42.8	44.6	44.6	44.6	42.8	40.1	41.0
110°	33.7	35.5	38.3	36.4	36.4	38.3	37.3	36.4	35.5	34.6	34.6



REPORT NUMBER: P416718

CATALOG NUMBER: LXF.LXT-PA1-80-730-U-T3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	29.1	30.1	31.9	31.0	31.9	32.8	31.9	30.1	30.1	30.1	31.0
115°	24.6	26.4	28.2	27.3	27.3	28.2	26.4	25.5	25.5	26.4	26.4
117.5°	21.9	23.7	24.6	24.6	23.7	24.6	22.8	21.9	22.8	23.7	23.7
120°	20.0	20.9	21.9	21.9	20.9	20.9	20.0	19.1	20.0	20.9	21.9
122.5°	18.2	19.1	19.1	20.0	19.1	18.2	17.3	17.3	18.2	19.1	19.1
125°	16.4	17.3	17.3	17.3	17.3	16.4	15.5	15.5	16.4	17.3	18.2
127.5°	14.6	15.5	15.5	16.4	15.5	14.6	13.7	14.6	15.5	16.4	16.4
130°	14.6	14.6	14.6	14.6	13.7	12.8	12.8	12.8	14.6	15.5	15.5
132.5°	13.7	14.6	13.7	13.7	12.8	10.9	10.9	11.8	13.7	14.6	14.6
135°	12.8	12.8	11.8	11.8	10.9	10.0	9.1	10.9	11.8	12.8	12.8
137.5°	10.9	10.9	10.0	9.1	9.1	8.2	8.2	9.1	10.9	11.8	11.8
140°	8.2	9.1	8.2	7.3	7.3	6.4	7.3	8.2	10.0	10.0	10.0
142.5°	6.4	7.3	6.4	5.5	5.5	5.5	5.5	7.3	9.1	9.1	9.1
145°	5.5	5.5	5.5	4.6	3.6	3.6	4.6	6.4	8.2	8.2	8.2
147.5°	4.6	4.6	4.6	3.6	2.7	2.7	3.6	5.5	6.4	6.4	6.4
150°	3.6	3.6	3.6	3.6	2.7	1.8	2.7	4.6	5.5	5.5	5.5
152.5°	3.6	3.6	3.6	2.7	1.8	0.9	1.8	3.6	4.6	4.6	4.6
155°	2.7	2.7	2.7	2.7	1.8	0.9	0.9	2.7	3.6	3.6	3.6
157.5°	2.7	2.7	2.7	1.8	0.9	0.0	0.9	2.7	3.6	2.7	2.7
160°	1.8	1.8	1.8	1.8	0.9	0.0	0.9	1.8	2.7	1.8	1.8
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)