

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: P416677

Luminaire Tested: **LXF.LXT-PA1-80-727-U-T4W-FL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416677  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-80-727-U-T4W-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND FROSTED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7048 lumens  
Efficiency: N/A  
Efficacy: 84.9 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 - G4

Input Watts (W): 83  
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

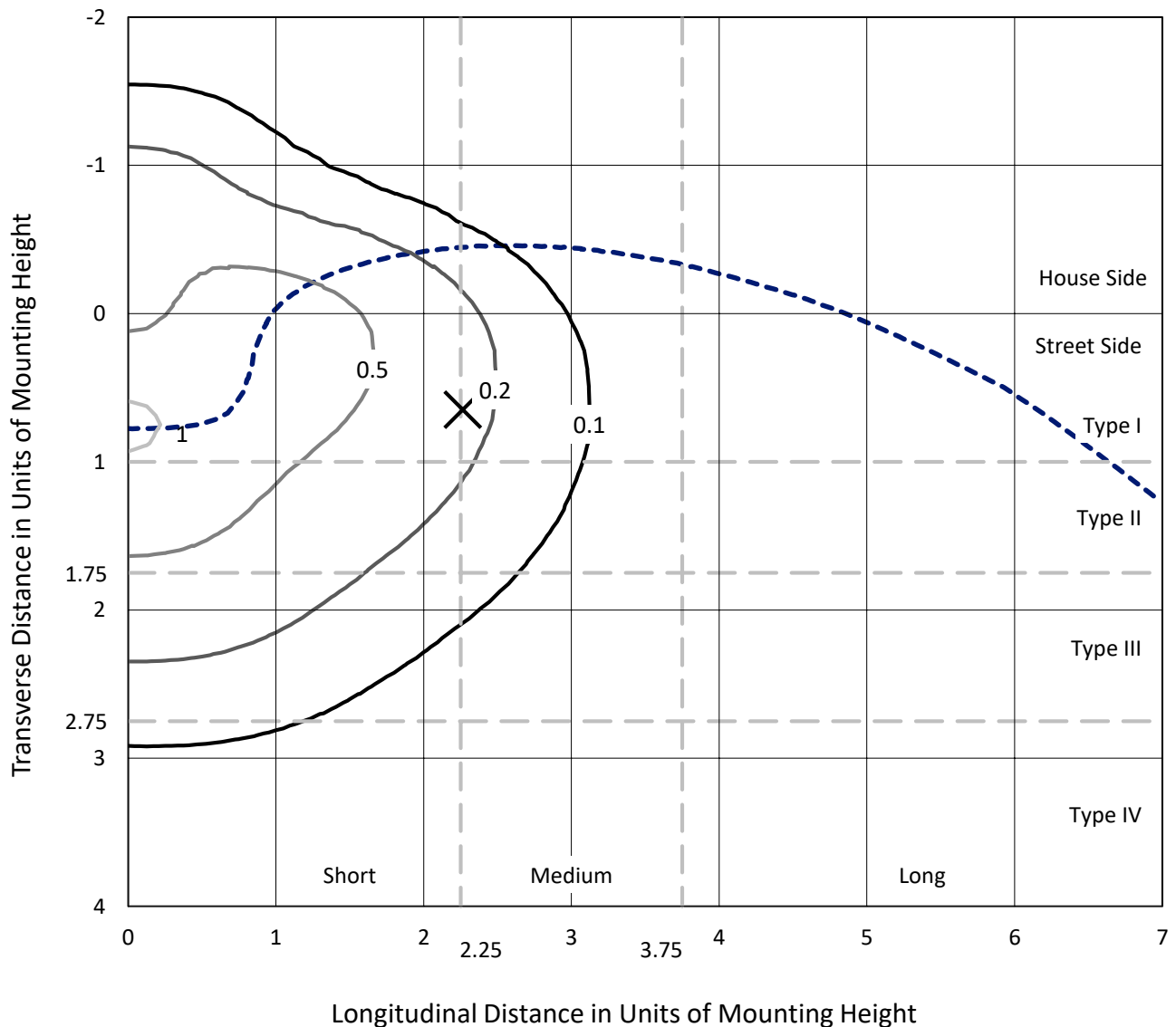


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

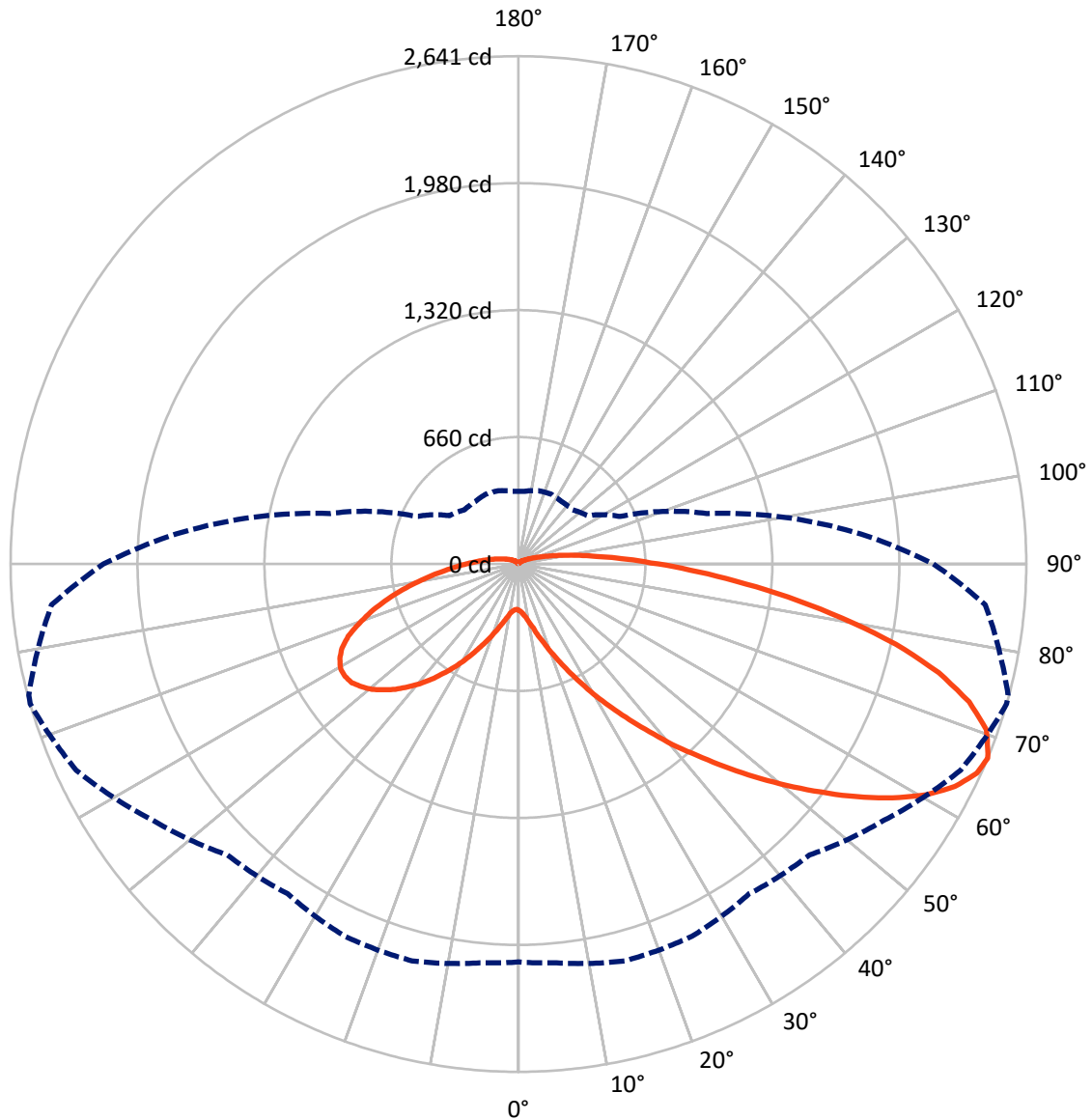


Based on 25 foot mounting height. Maximum calculated value = 1 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral      - - - Horizontal Cone Through 67-Deg Vertical



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1643.5	197.5	1841.0
	% Fixture	23.3	2.8	26.1
<b>Street Side</b>	Lumens	4756.3	450.7	5206.9
	% Fixture	67.5	6.4	73.9
<b>Total</b>	Lumens	6399.8	648.2	7048.0
	% Fixture	90.8	9.2	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	25.1	0.4
10°-20°	102.7	1.5
20°-30°	255.0	3.6
30°-40°	498.0	7.1
40°-50°	823.7	11.7
50°-60°	1193.9	16.9
60°-70°	1445.0	20.5
70°-80°	1284.6	18.2
80°-90°	771.7	10.9
90°-100°	354.3	5.0
100°-110°	157.7	2.2
110°-120°	75.3	1.1
120°-130°	37.3	0.5
130°-140°	17.1	0.2
140°-150°	5.6	0.1
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6399.8	90.8
0°-180°	7048.0	100.0



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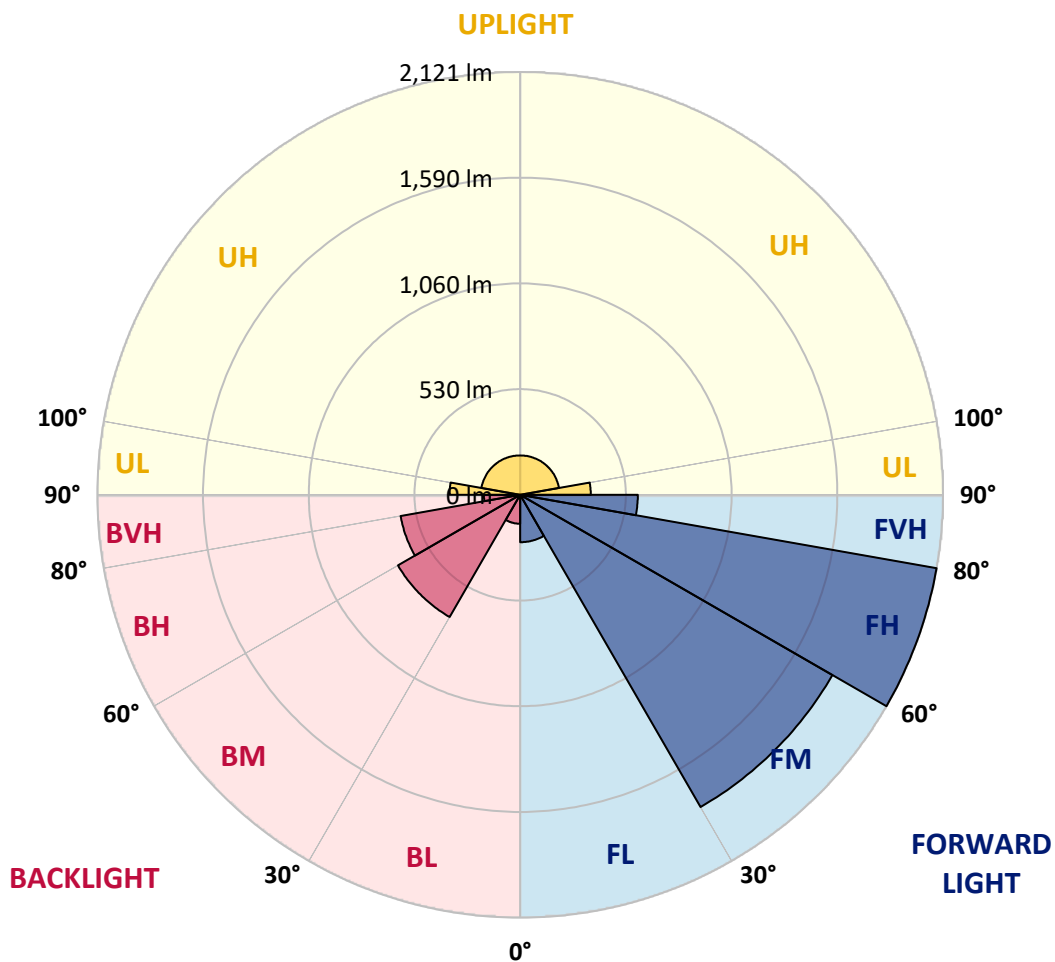
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	237.6	3.4			
FM	(30°-60°)	1808.2	25.7			
FH	(60°-80°)	2120.6	30.1			G2/5000
FVH	(80°-90°)	589.8	8.4			G4/750
BL	(0°-30°)	145.2	2.1	B1/500		
BM	(30°-60°)	707.4	10.0	B1/1000		
BH	(60°-80°)	609.0	8.6	B2/1000		G2/1000
BVH	(80°-90°)	181.9	2.6			G2/225
UL	(90°-100°)	354.3	5.0		U3/500	
UH	(100°-180°)	197.5	2.8		U3/500	

**BUG Rating: B2-U3-G4**

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	240.0	240.0	240.0	240.0	240.0	240.0	240.0	240.0	240.0	240.0	240.0
2.5°	265.1	262.6	262.6	261.0	260.1	257.6	255.9	250.1	247.6	247.6	243.4
5°	293.6	291.9	288.6	288.6	285.2	281.9	275.2	267.6	261.8	261.0	253.4
7.5°	328.7	324.5	324.5	320.3	315.3	309.5	300.3	290.2	281.0	280.2	268.5
10°	368.9	367.2	365.5	359.7	353.0	341.3	332.9	318.7	307.8	307.0	291.1
12.5°	418.2	415.7	410.7	404.8	393.1	384.7	369.7	353.8	339.6	340.4	322.0
15°	471.7	470.1	466.7	457.5	444.1	432.4	417.4	400.6	386.4	380.6	361.3
17.5°	532.8	529.4	525.3	515.2	500.2	488.5	468.4	452.5	434.1	434.9	407.3
20°	604.7	601.4	595.5	579.6	566.2	550.4	529.4	511.9	491.0	489.3	461.7
22.5°	675.8	677.5	663.3	646.5	634.0	615.6	595.5	572.9	554.5	552.9	521.1
25°	763.6	757.8	743.6	724.3	705.1	682.5	664.9	644.9	627.3	625.6	588.0
27.5°	855.6	850.6	831.4	807.1	781.2	756.1	741.1	720.1	706.8	704.2	665.8
30°	956.0	947.6	930.1	897.5	861.5	833.1	818.0	810.5	797.9	794.6	755.3
32.5°	1068.9	1058.0	1032.1	992.8	941.0	909.2	902.5	895.8	890.8	885.7	848.9
35°	1181.0	1177.7	1139.2	1090.7	1039.6	997.8	986.1	997.0	993.6	990.3	951.0
37.5°	1298.9	1304.8	1263.0	1199.4	1129.1	1084.8	1076.4	1096.5	1105.7	1105.7	1058.9
40°	1437.8	1432.8	1390.9	1313.1	1231.2	1179.3	1181.8	1211.9	1234.5	1229.5	1183.5
42.5°	1575.8	1564.9	1509.7	1433.6	1329.9	1278.0	1278.0	1324.0	1358.3	1359.2	1310.6
45°	1711.3	1699.6	1647.7	1548.2	1435.3	1379.2	1390.9	1447.0	1503.0	1495.5	1447.8
47.5°	1835.1	1830.0	1776.5	1670.3	1543.2	1484.6	1508.0	1591.7	1652.7	1652.7	1600.0
50°	1956.3	1949.6	1899.5	1779.9	1651.9	1594.2	1629.3	1731.3	1809.1	1813.3	1752.3
52.5°	2060.9	2056.7	2009.9	1891.1	1758.9	1700.4	1753.1	1881.1	1970.6	1979.8	1915.4
55°	2136.2	2138.7	2102.7	1989.8	1856.0	1807.5	1879.4	2029.9	2136.2	2137.8	2068.4
57.5°	2191.4	2194.7	2170.5	2072.6	1941.3	1904.5	2001.5	2173.8	2294.2	2301.8	2210.6
60°	2214.8	2220.6	2213.1	2131.1	2017.4	1994.0	2111.1	2302.6	2436.4	2438.9	2329.4
62.5°	2202.2	2208.1	2223.2	2164.6	2072.6	2071.8	2217.3	2414.7	2547.7	2551.0	2419.7
65°	2145.4	2154.6	2192.2	2164.6	2092.7	2120.3	2287.6	2500.8	2620.4	2624.6	2454.8
67°	2069.3	2081.0	2136.2	2135.3	2092.7	2139.5	2321.8	2536.8	2640.5	2635.5	2436.4
67.5°	2051.7	2063.4	2118.6	2127.0	2086.8	2142.0	2326.0	2541.0	2633.0	2632.2	2424.7
70°	1902.8	1923.7	2004.0	2044.2	2043.3	2121.9	2324.4	2518.4	2582.0	2573.6	2326.9
72.5°	1731.3	1757.3	1855.1	1932.1	1957.2	2059.2	2263.3	2428.9	2449.8	2439.8	2143.7
75°	1554.9	1569.1	1671.1	1780.7	1844.3	1953.0	2148.7	2286.7	2257.4	2233.2	1914.5
77.5°	1368.4	1374.2	1488.0	1610.9	1687.9	1813.3	1978.1	2078.5	2006.5	1986.5	1653.6
80°	1151.7	1176.0	1289.7	1417.7	1513.0	1626.8	1765.6	1825.9	1705.4	1687.0	1375.9
82.5°	974.4	989.5	1093.2	1218.6	1325.7	1432.8	1523.1	1539.0	1412.7	1399.3	1105.7
85°	795.4	808.8	917.5	1033.8	1134.2	1223.7	1283.9	1260.5	1129.1	1114.9	874.0
87.5°	658.2	668.3	743.6	861.5	950.2	1014.6	1046.3	1017.1	891.6	871.5	675.0
90°	521.9	537.0	604.7	704.2	794.6	836.4	839.7	791.2	688.4	673.3	516.9
92.5°	421.5	431.6	496.0	578.8	649.9	681.7	673.3	632.3	537.8	520.2	399.8
95°	341.3	349.6	403.1	475.9	533.6	562.9	539.5	485.1	410.7	404.0	308.6
97.5°	283.5	285.2	327.0	392.3	438.3	453.3	434.9	385.6	321.2	307.8	236.7
100°	231.7	233.4	268.5	317.8	359.7	369.7	351.3	303.6	249.2	240.9	185.7
102.5°	188.2	192.4	219.1	263.5	294.4	301.9	282.7	240.9	192.4	186.5	144.7
105°	159.8	160.6	184.0	217.5	245.1	250.9	231.7	195.7	151.4	148.0	115.4
107.5°	135.5	135.5	153.9	183.2	204.9	208.3	193.2	159.8	119.6	116.3	93.7



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	116.3	117.1	130.5	153.9	174.0	176.5	161.4	128.0	95.3	92.8	76.1
112.5°	101.2	102.9	112.1	130.5	148.0	150.6	135.5	104.6	77.8	74.4	63.6
115°	89.5	90.3	97.0	112.1	126.3	128.0	112.9	86.1	62.7	60.2	53.5
117.5°	79.5	80.3	85.3	97.9	108.7	109.6	94.5	71.1	52.7	50.2	46.8
120°	71.9	71.9	76.1	84.5	93.7	93.7	79.5	58.5	43.5	42.7	40.1
122.5°	65.2	65.2	67.7	73.6	80.3	78.6	66.1	48.5	36.8	36.0	35.1
125°	59.4	59.4	61.1	64.4	68.6	66.1	54.4	40.1	31.8	30.9	30.9
127.5°	53.5	53.5	54.4	56.9	57.7	55.2	45.2	33.5	27.6	26.8	27.6
130°	48.5	48.5	48.5	48.5	48.5	46.8	36.8	27.6	23.4	23.4	24.3
132.5°	43.5	43.5	42.7	41.8	41.0	37.6	30.1	22.6	20.9	20.9	21.7
135°	38.5	38.5	37.6	36.0	33.5	29.3	22.6	18.4	17.6	17.6	18.4
137.5°	33.5	33.5	32.6	30.1	26.8	22.6	17.6	15.1	15.1	15.1	15.9
140°	28.4	28.4	27.6	25.1	20.9	16.7	13.4	11.7	12.5	12.5	13.4
142.5°	24.3	23.4	22.6	20.1	15.9	11.7	9.2	9.2	10.0	10.0	10.9
145°	19.2	18.4	17.6	15.1	11.7	8.4	6.7	6.7	7.5	7.5	8.4
147.5°	15.1	14.2	13.4	10.9	8.4	5.9	4.2	5.0	5.9	5.9	5.9
150°	10.0	10.0	10.0	8.4	5.0	3.3	2.5	3.3	3.3	3.3	4.2
152.5°	6.7	6.7	6.7	5.0	3.3	1.7	1.7	1.7	2.5	2.5	2.5
155°	4.2	4.2	4.2	3.3	1.7	0.8	0.8	0.8	1.7	1.7	1.7
157.5°	1.7	1.7	1.7	1.7	1.7	0.8	0.0	0.8	0.8	0.8	0.8
160°	0.8	0.8	1.7	1.7	1.7	0.8	0.0	0.0	0.8	0.8	0.8
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°	240.0	240.0	240.0	240.0	240.0	240.0	240.0	240.0	240.0	240.0	240.0
2.5°	241.7	240.0	236.7	234.2	231.7	229.2	226.7	225.0	222.5	222.5	222.5
5°	250.1	245.9	239.2	234.2	228.3	224.2	219.1	215.8	213.3	212.4	212.4
7.5°	264.3	258.4	248.4	238.4	230.0	223.3	217.5	213.3	209.9	209.1	209.1
10°	284.4	276.8	261.0	249.2	238.4	229.2	221.6	215.8	213.3	211.6	211.6
12.5°	313.7	303.6	285.2	265.1	250.9	239.2	230.0	227.5	227.5	228.3	227.5
15°	348.8	338.7	313.7	290.2	269.3	255.9	250.9	250.9	250.1	251.8	251.8
17.5°	393.1	378.9	348.8	317.8	293.6	281.0	276.0	274.3	276.0	278.5	276.8
20°	445.8	424.9	387.3	348.8	322.9	310.3	301.9	300.3	302.8	304.4	305.3
22.5°	501.0	478.4	430.7	381.4	354.6	337.9	328.7	326.2	330.4	334.6	335.4
25°	563.7	538.6	477.6	420.7	383.1	360.5	352.1	351.3	358.0	363.8	363.8
27.5°	639.8	606.4	528.6	463.4	414.9	384.7	375.5	376.4	385.6	390.6	392.3
30°	719.3	681.7	587.2	502.7	439.9	404.0	393.9	398.1	407.3	417.4	419.0
32.5°	808.8	764.5	644.0	542.0	462.5	419.0	408.2	416.5	426.6	438.3	439.9
35°	902.5	843.1	702.6	578.0	480.9	430.7	418.2	428.2	440.8	451.7	455.0
37.5°	1008.7	938.4	766.1	607.2	495.1	437.4	424.1	435.8	450.0	460.9	461.7
40°	1117.4	1036.3	826.4	634.8	505.2	441.6	427.4	439.1	452.5	461.7	462.5
42.5°	1231.2	1135.8	882.4	657.4	510.2	441.6	425.7	437.4	450.0	455.0	455.8
45°	1364.2	1241.2	940.1	673.3	511.9	439.9	423.2	432.4	441.6	443.3	445.8
47.5°	1498.0	1345.8	989.5	685.0	511.0	435.8	419.0	426.6	432.4	430.7	433.3
50°	1639.3	1459.5	1037.1	692.5	506.9	431.6	413.2	419.9	421.5	416.5	416.5
52.5°	1774.8	1558.2	1073.9	693.4	501.0	426.6	409.0	414.0	413.2	404.0	404.8
55°	1910.3	1663.6	1104.9	685.8	492.6	421.5	404.8	408.2	405.7	394.8	393.1
57.5°	2026.6	1748.9	1118.3	675.0	483.4	416.5	402.3	405.7	400.6	388.1	387.3
60°	2125.3	1815.0	1119.1	659.9	472.6	412.3	399.8	404.0	399.8	384.7	383.1
62.5°	2186.4	1845.1	1097.4	636.5	461.7	407.3	399.8	403.1	398.1	383.1	382.2
65°	2196.4	1830.0	1062.2	609.7	449.1	402.3	398.1	402.3	397.3	381.4	379.7
67°	2157.1	1786.6	1014.6	584.6	438.3	398.1	394.8	400.6	394.8	379.7	377.2
67.5°	2143.7	1766.5	1003.7	581.3	435.8	396.5	393.9	399.0	393.9	378.9	376.4
70°	2026.6	1656.9	921.7	544.5	419.9	388.1	388.1	392.3	387.3	373.0	368.9
72.5°	1845.9	1503.0	839.7	509.4	402.3	375.5	378.1	382.2	377.2	363.8	358.8
75°	1636.8	1329.9	748.6	468.4	382.2	363.0	364.7	368.9	363.8	349.6	345.4
77.5°	1404.3	1130.0	656.6	430.7	361.3	346.3	347.1	349.6	345.4	331.2	327.0
80°	1155.1	931.7	562.9	388.1	337.1	325.4	326.2	326.2	320.3	308.6	305.3
82.5°	930.9	756.9	480.1	350.5	310.3	301.9	301.9	301.1	293.6	283.5	278.5
85°	724.3	610.6	402.3	312.0	283.5	276.0	275.2	271.8	264.3	253.4	247.6
87.5°	567.9	483.4	338.7	275.2	256.8	251.8	246.7	239.2	233.4	224.2	219.1
90°	443.3	383.9	286.0	241.7	230.8	224.2	219.1	209.9	200.7	191.5	189.0
92.5°	347.1	303.6	238.4	210.8	204.1	199.1	192.4	182.3	174.0	163.1	163.9
95°	275.2	246.7	203.2	185.7	180.7	176.5	168.1	157.2	148.0	138.0	136.3
97.5°	215.8	196.6	170.6	161.4	159.8	154.7	146.4	135.5	125.5	114.6	114.6
100°	171.5	160.6	143.9	142.2	138.8	135.5	127.1	117.1	104.6	95.3	95.3
102.5°	138.0	128.8	123.0	123.0	122.1	118.8	110.4	100.4	87.8	78.6	78.6
105°	110.4	107.1	104.6	107.1	107.9	104.6	96.2	85.3	72.8	64.4	66.1
107.5°	92.0	89.5	89.5	92.8	94.5	91.2	83.6	71.9	60.2	54.4	54.4



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CATALOG NUMBER: LXF.LXT-PA1-80-727-U-T4W-FL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	76.1	75.3	76.9	81.1	82.0	79.5	71.9	61.1	50.2	45.2	46.0
112.5°	64.4	63.6	66.9	71.1	71.9	69.4	61.9	51.9	41.8	38.5	38.5
115°	54.4	55.2	57.7	61.1	62.7	60.2	53.5	44.3	34.3	32.6	32.6
117.5°	46.8	47.7	50.2	54.4	55.2	51.9	45.2	36.8	29.3	28.4	28.4
120°	41.0	41.8	44.3	46.8	47.7	44.3	38.5	30.9	25.1	24.3	24.3
122.5°	36.0	37.6	39.3	41.0	41.8	38.5	33.5	25.9	20.9	20.9	21.7
125°	31.8	32.6	34.3	36.0	36.0	32.6	27.6	21.7	18.4	18.4	18.4
127.5°	28.4	28.4	29.3	30.9	30.9	28.4	23.4	17.6	15.9	15.9	16.7
130°	25.1	25.9	25.9	25.9	25.9	23.4	19.2	15.1	13.4	14.2	14.2
132.5°	21.7	22.6	22.6	22.6	21.7	19.2	15.9	12.5	11.7	12.5	12.5
135°	19.2	19.2	19.2	19.2	17.6	15.9	12.5	10.0	10.0	10.9	10.9
137.5°	16.7	16.7	16.7	15.9	14.2	12.5	10.0	8.4	8.4	9.2	9.2
140°	13.4	14.2	13.4	12.5	10.9	9.2	7.5	6.7	7.5	7.5	7.5
142.5°	10.9	10.9	10.9	10.0	8.4	6.7	5.9	5.0	5.9	5.9	6.7
145°	8.4	8.4	8.4	7.5	5.9	4.2	4.2	4.2	5.0	5.0	5.0
147.5°	5.9	5.9	5.9	5.0	3.3	2.5	2.5	2.5	3.3	3.3	3.3
150°	4.2	4.2	4.2	3.3	1.7	0.8	0.8	1.7	2.5	2.5	2.5
152.5°	2.5	2.5	2.5	1.7	0.8	0.0	0.8	1.7	1.7	0.8	0.8
155°	1.7	1.7	1.7	1.7	0.8	0.0	0.8	0.8	0.8	0.0	0.0
157.5°	1.7	1.7	0.8	0.8	0.0	0.0	0.0	0.8	0.0	0.0	0.0
160°	0.8	0.8	0.8	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

(END OF REPORT)