

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: P254468

Luminaire Tested: **LXF.LXT-AF24-70-D-U-T2U-A-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P254468  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-22)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-AF24-70-D-U-T2U-A-7030  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS  
AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6745.7 lumens  
Efficiency: N/A  
Efficacy: 91.2 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type II - Short - Non-Cutoff  
BUG Rating: B2 - U3 - G2

Input Watts (W): 74  
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

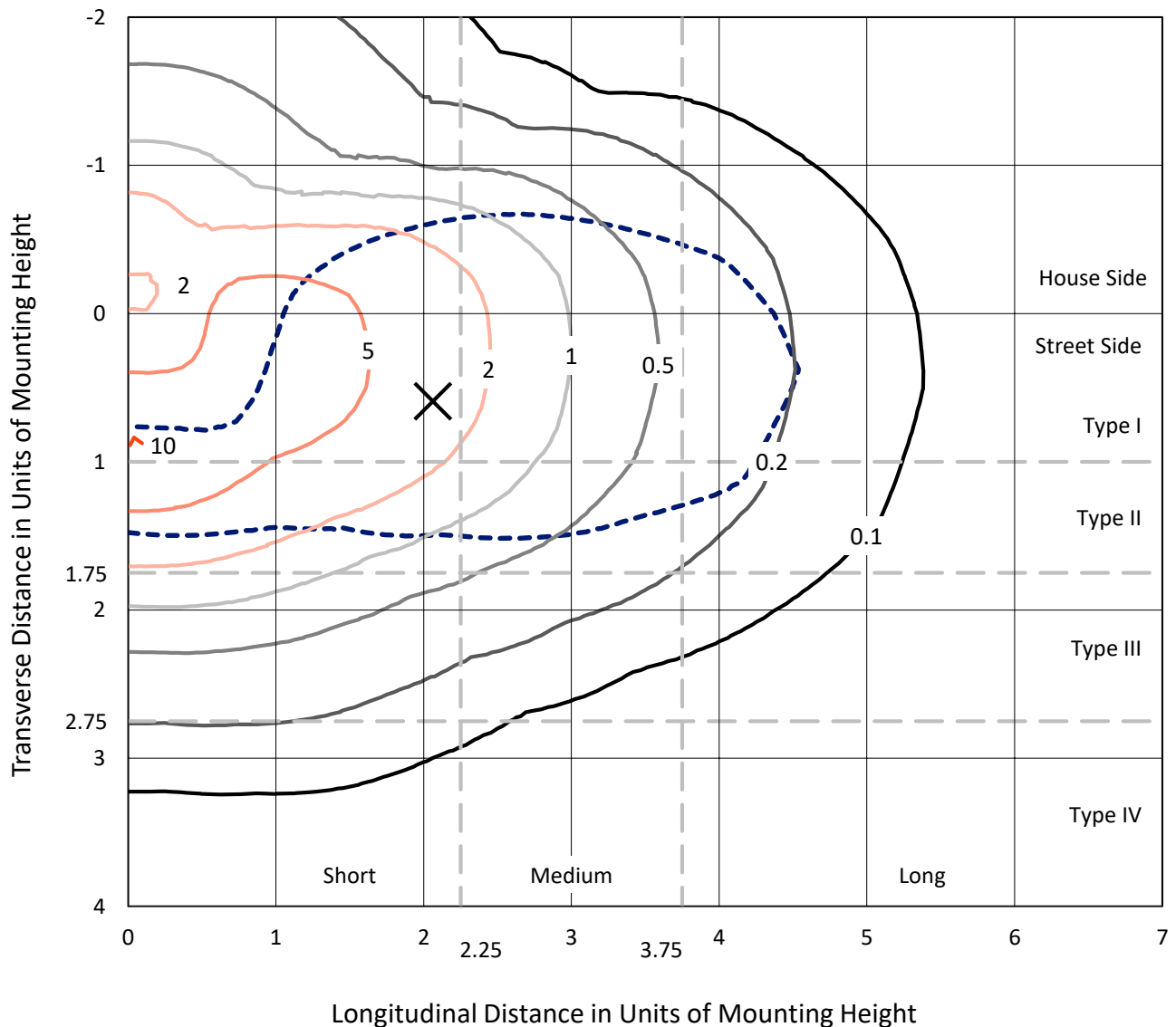


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

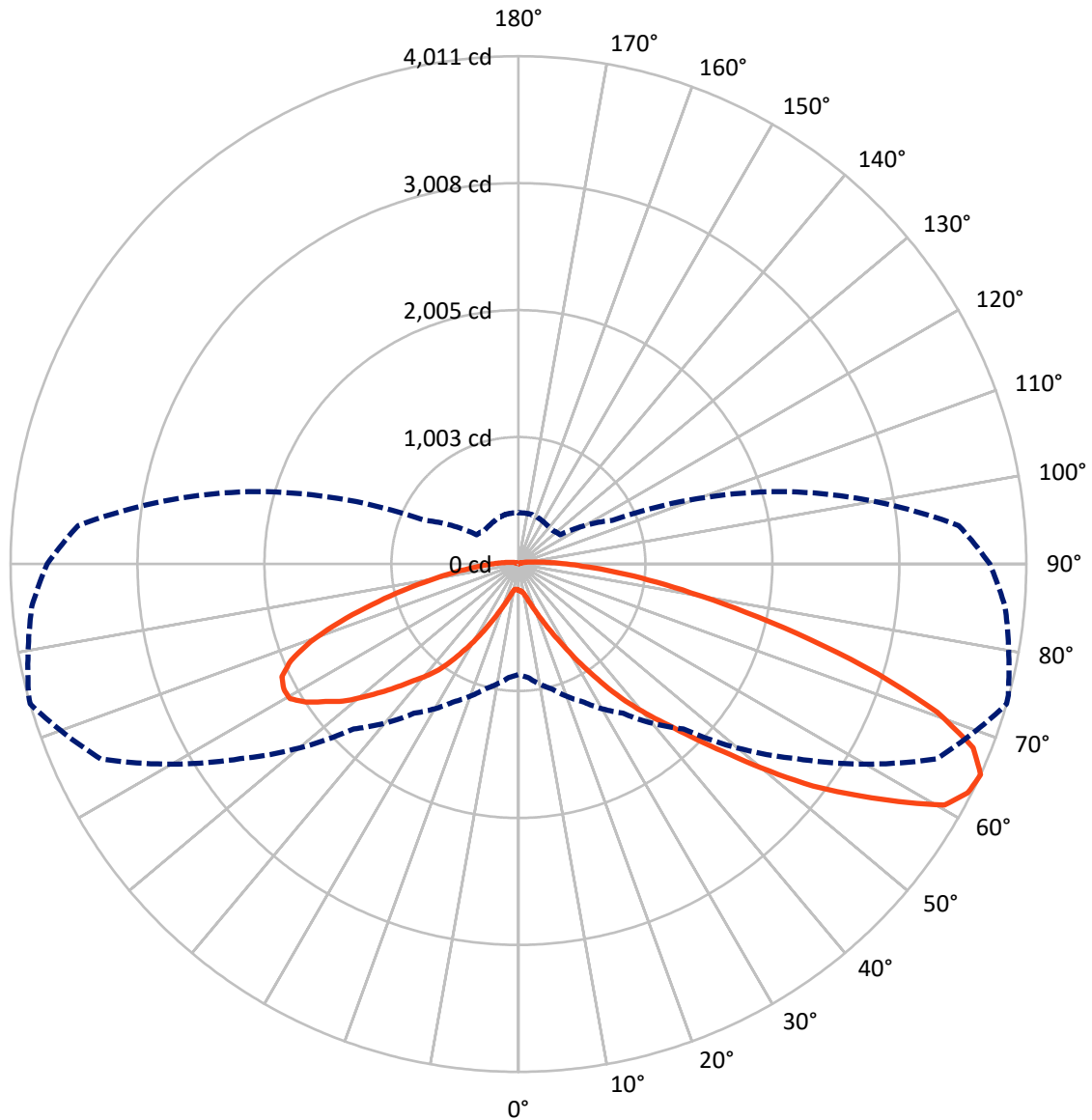


Based on 10 foot mounting height. Maximum calculated value = 10.1 fc  
 Type II - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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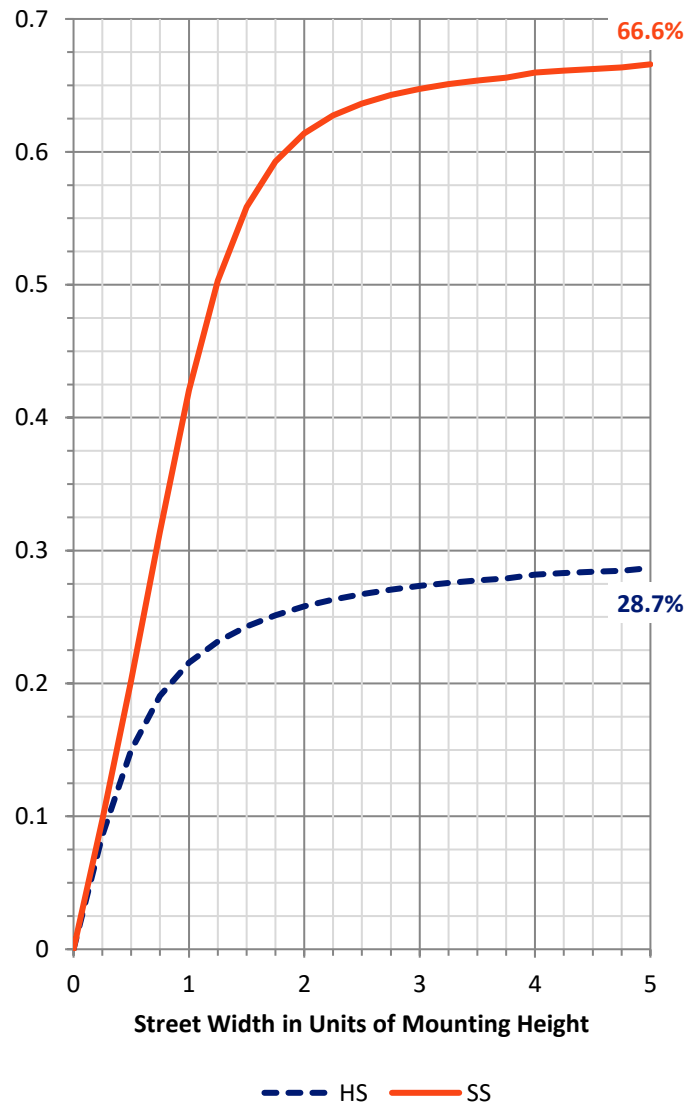
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1994.7	97.5	2092.3
	% Fixture	29.6	1.4	31.0
<b>Street Side</b>	Lumens	4554.1	99.3	4653.4
	% Fixture	67.5	1.5	69.0
<b>Total</b>	Lumens	6548.8	196.9	6745.7
	% Fixture	97.1	2.9	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	20.6	0.3
10°-20°	84.6	1.3
20°-30°	249.6	3.7
30°-40°	608.7	9.0
40°-50°	1111.2	16.5
50°-60°	1581.2	23.4
60°-70°	1591.9	23.6
70°-80°	942.5	14.0
80°-90°	358.7	5.3
90°-100°	113.1	1.7
100°-110°	42.7	0.6
110°-120°	20.5	0.3
120°-130°	11.6	0.2
130°-140°	6.6	0.1
140°-150°	2.2	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6548.8	97.1
0°-180°	6745.7	100.0

**Coefficient of Utilization**



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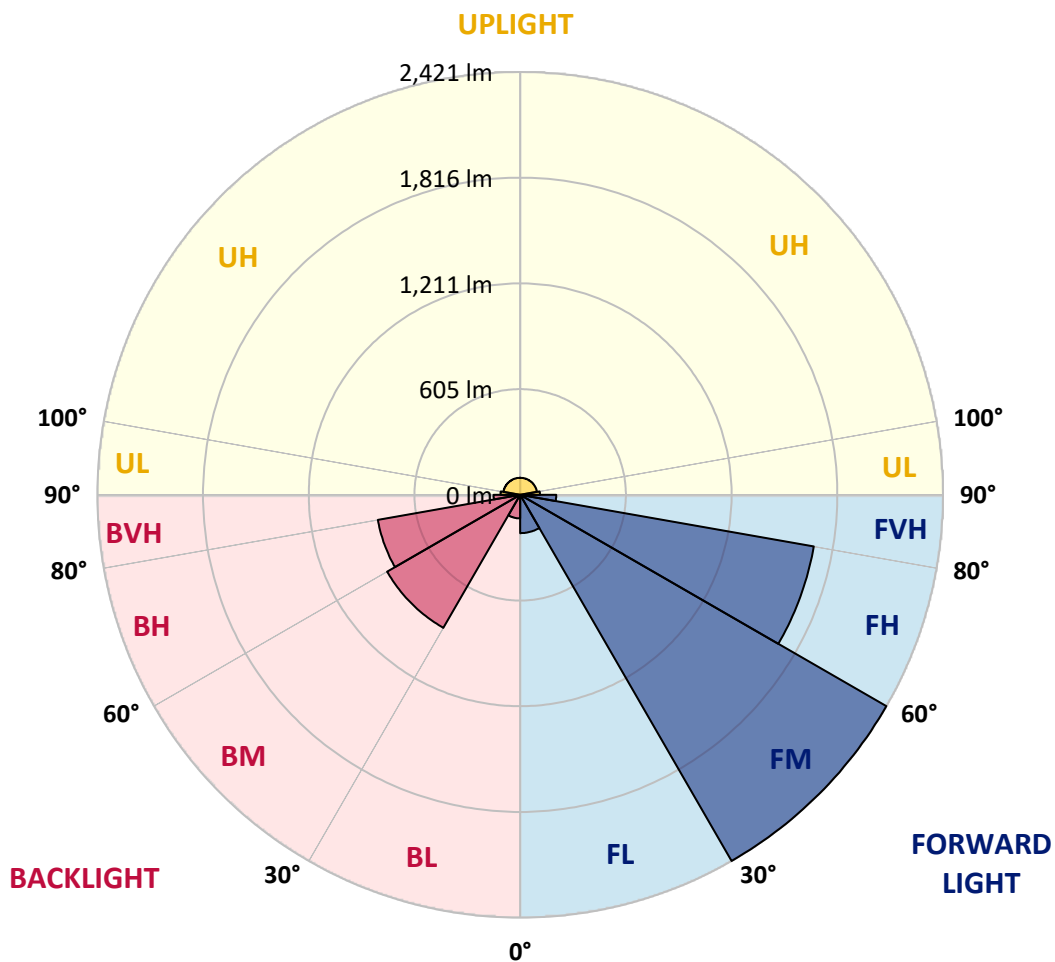
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	219.6	3.3			
FM (30°-60°)	2421.0	35.9			
FH (60°-80°)	1707.1	25.3			G1/1800
FVH (80°-90°)	206.3	3.1			G2/225
BL (0°-30°)	135.1	2.0	B1/500		
BM (30°-60°)	880.0	13.0	B1/1000		
BH (60°-80°)	827.3	12.3	B2/1000		G2/1000
BVH (80°-90°)	152.3	2.3			G2/225
UL (90°-100°)	113.1	1.7		U3/500	
UH (100°-180°)	97.5	1.4		U3/500	

**BUG Rating: B2-U3-G2**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	207.5	207.5	207.5	207.5	207.5	207.5	207.5	207.5	207.5	207.5	207.5
2.5°	222.1	221.2	222.1	221.2	221.2	219.6	217.2	213.9	210.8	209.9	207.5
5°	237.4	237.4	237.4	235.9	234.3	231.7	226.9	221.2	215.6	214.8	209.9
7.5°	258.5	259.4	257.8	254.5	251.2	244.7	239.1	231.0	223.7	222.9	215.6
10°	290.2	289.3	287.0	282.9	273.9	266.6	256.9	245.7	237.4	235.9	226.9
12.5°	333.9	333.1	329.1	317.7	305.5	291.7	282.0	271.5	263.5	262.6	254.5
15°	390.6	389.0	380.9	366.3	346.9	329.1	320.9	310.4	302.3	301.4	293.4
17.5°	460.3	458.7	447.4	426.3	399.6	379.2	370.4	358.3	349.3	350.0	337.9
20°	547.8	543.8	528.4	500.1	467.6	443.3	429.5	417.4	410.0	409.2	400.3
22.5°	660.5	654.8	627.2	593.3	552.8	519.5	501.7	488.7	483.8	484.7	476.6
25°	804.8	794.2	759.4	712.4	662.1	611.1	590.0	575.5	577.9	579.5	571.3
27.5°	975.8	970.9	917.4	860.8	786.1	720.4	701.0	686.4	691.3	695.3	688.9
30°	1188.0	1172.0	1109.5	1024.5	927.9	847.8	822.6	817.7	830.7	836.4	832.3
32.5°	1432.1	1418.3	1333.2	1225.5	1085.2	990.3	961.2	974.1	995.3	1001.7	996.9
35°	1721.4	1709.3	1594.9	1447.4	1269.1	1167.9	1128.9	1150.8	1177.6	1183.3	1175.9
37.5°	2020.4	2013.9	1889.2	1695.4	1477.4	1346.2	1313.0	1344.6	1373.0	1377.8	1353.5
40°	2276.5	2282.2	2157.5	1942.6	1691.5	1535.7	1516.3	1544.7	1552.8	1555.3	1509.1
42.5°	2484.9	2488.1	2379.4	2162.2	1892.4	1733.5	1723.0	1737.5	1740.1	1740.1	1686.5
45°	2540.0	2557.8	2495.4	2330.1	2083.7	1925.5	1925.5	1958.9	1975.1	1979.9	1911.1
47.5°	2565.1	2578.1	2542.4	2423.3	2237.6	2111.2	2153.4	2230.3	2246.6	2255.4	2167.1
50°	2542.4	2560.2	2553.7	2476.7	2342.9	2281.5	2404.6	2539.1	2569.1	2578.1	2470.3
52.5°	2364.1	2399.8	2453.2	2467.0	2407.0	2423.3	2659.1	2886.0	2912.8	2917.7	2757.9
55°	2106.4	2148.5	2239.3	2335.8	2393.3	2517.3	2906.3	3221.5	3215.1	3218.3	3035.1
57.5°	1782.1	1823.5	1945.9	2098.3	2265.2	2538.3	3054.6	3493.9	3538.5	3547.3	3373.9
60°	1484.0	1501.0	1632.3	1804.9	2026.1	2431.3	3054.6	3720.9	3865.8	3848.7	3613.7
62.5°	1140.3	1175.2	1312.1	1500.1	1740.8	2169.6	2943.6	3792.9	3982.5	3959.0	3738.7
65°	872.9	901.2	1022.0	1199.4	1439.4	1841.3	2680.1	3641.4	4010.9	4005.2	3858.6
67.5°	680.8	684.8	788.6	940.0	1138.7	1485.6	2249.0	3347.1	3873.9	3873.1	3785.7
70°	514.6	518.7	603.0	743.2	879.3	1136.3	1796.0	2868.2	3510.1	3499.5	3540.0
72.5°	393.2	397.9	464.4	576.3	675.9	848.5	1368.8	2306.6	2963.7	2979.2	3039.1
75°	304.0	308.7	360.7	447.4	517.9	622.4	988.8	1736.7	2376.3	2401.4	2526.9
77.5°	234.3	239.1	280.5	346.1	397.9	456.2	688.9	1274.1	1838.1	1870.5	2010.7
80°	180.0	184.7	221.2	268.2	310.4	346.1	485.4	912.6	1383.4	1420.0	1582.8
82.5°	139.5	144.2	175.1	213.2	248.8	273.1	353.4	650.0	1031.7	1061.7	1231.1
85°	107.8	111.9	137.7	167.7	201.8	223.7	270.8	460.3	740.8	765.9	899.6
87.5°	83.5	86.8	107.8	132.1	163.7	185.6	215.6	334.7	508.2	527.6	616.8
90°	63.3	66.4	83.5	102.1	129.7	153.2	172.6	240.7	349.3	360.7	406.0
92.5°	46.2	48.6	62.4	76.2	98.9	121.6	137.7	178.3	237.4	243.1	262.6
95°	34.9	36.5	46.2	56.7	74.6	94.0	107.0	131.3	159.6	162.9	169.4
97.5°	27.6	28.4	35.6	43.8	57.6	72.9	82.7	96.4	112.6	114.2	117.6
100°	23.5	24.4	29.9	36.5	46.2	58.4	65.7	74.6	83.5	84.2	86.8
102.5°	20.2	21.1	25.1	29.9	38.9	48.6	53.5	59.1	64.0	63.3	65.7
105°	17.8	17.8	21.9	25.9	33.3	40.5	43.8	47.0	48.6	48.6	50.3
107.5°	15.4	16.2	18.7	22.7	29.2	34.9	36.5	37.2	37.2	37.2	38.9
110°	13.7	13.7	16.2	19.4	25.1	29.9	30.8	29.9	29.2	29.2	30.8



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
112.5°	12.1	12.1	13.7	17.8	22.7	26.8	26.8	25.1	22.7	22.7	24.4
115°	10.5	11.4	12.1	16.2	21.1	24.4	23.5	21.1	18.7	18.7	20.2
117.5°	9.8	9.8	11.4	14.6	19.4	21.9	21.1	17.8	15.4	15.4	17.1
120°	9.8	9.8	10.5	13.7	17.8	20.2	18.7	15.4	13.0	13.0	15.4
122.5°	9.8	9.8	10.5	13.0	16.2	17.8	17.1	13.7	11.4	11.4	13.0
125°	10.5	10.5	10.5	13.0	15.4	17.1	15.4	13.0	10.5	10.5	11.4
127.5°	11.4	11.4	11.4	13.0	14.6	15.4	13.7	11.4	9.8	9.8	10.5
130°	12.1	12.1	11.4	12.1	13.7	13.7	13.0	10.5	9.0	9.0	10.5
132.5°	12.1	12.1	11.4	11.4	12.1	12.1	11.4	9.0	8.0	8.0	9.8
135°	11.4	11.4	10.5	10.5	10.5	10.5	9.0	7.3	7.3	7.3	8.0
137.5°	10.5	10.5	9.8	9.8	9.8	9.0	7.3	5.7	5.7	5.7	7.3
140°	9.0	9.0	9.0	8.0	8.0	7.3	5.7	4.9	4.9	4.9	5.7
142.5°	8.0	7.3	7.3	6.4	6.4	5.7	4.1	3.3	3.3	3.3	4.1
145°	6.4	6.4	5.7	4.9	4.9	4.1	2.4	1.6	2.4	2.4	3.3
147.5°	4.9	4.9	4.1	4.1	3.3	2.4	0.8	1.6	1.6	1.6	2.4
150°	3.3	3.3	3.3	2.4	1.6	0.8	0.8	0.8	0.8	1.6	1.6
152.5°	1.6	1.6	1.6	0.8	0.0	0.0	0.0	0.8	0.8	0.8	1.6
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	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





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	207.5	207.5	207.5	207.5	207.5	207.5	207.5	207.5	207.5	207.5	207.5
2.5°	205.9	205.1	203.4	200.2	199.4	197.8	195.3	194.5	192.9	193.7	192.9
5°	207.5	205.9	200.2	196.8	192.9	190.4	188.0	186.4	184.7	184.0	183.1
7.5°	211.5	209.1	202.5	196.1	190.4	186.4	183.1	180.8	179.0	178.3	177.4
10°	222.1	218.8	209.1	200.2	191.3	185.6	181.6	179.0	177.4	177.4	177.4
12.5°	248.0	243.9	229.3	213.9	199.4	190.4	185.6	188.8	192.9	196.8	199.4
15°	285.2	280.5	262.6	240.7	218.8	205.9	206.7	213.2	218.0	222.9	223.7
17.5°	332.2	325.8	303.0	273.9	244.7	234.3	231.0	237.4	245.7	250.4	252.8
20°	390.6	382.5	353.4	312.8	283.6	268.2	260.9	263.5	272.3	280.5	281.3
22.5°	465.2	450.5	416.6	360.7	324.2	300.7	290.2	290.2	302.3	312.8	314.4
25°	560.1	546.3	492.0	421.4	367.9	332.2	320.1	322.6	338.8	352.6	354.2
27.5°	676.8	657.3	585.9	493.6	413.3	359.8	346.9	353.4	369.6	384.1	385.8
30°	816.1	785.3	694.6	571.3	457.9	387.5	367.1	375.2	389.8	405.3	405.3
32.5°	974.1	937.7	816.9	654.0	500.1	406.9	378.5	389.0	403.6	419.0	418.3
35°	1145.1	1103.0	944.2	737.5	538.1	420.6	384.1	396.3	413.3	432.0	432.0
37.5°	1318.6	1275.6	1072.3	812.2	564.9	422.3	385.8	403.6	426.3	443.3	441.7
40°	1461.3	1402.9	1175.9	865.6	576.3	418.3	388.2	407.6	424.7	432.0	430.4
42.5°	1632.3	1557.7	1278.9	893.0	568.9	411.0	389.0	402.8	411.0	411.0	407.6
45°	1839.0	1753.8	1406.9	922.2	550.3	402.8	384.9	393.2	393.2	386.6	381.8
47.5°	2089.4	1974.2	1542.3	948.3	531.6	395.5	380.9	384.1	375.2	365.5	362.3
50°	2381.1	2241.7	1691.5	966.8	513.8	389.8	379.2	377.7	371.2	361.4	358.3
52.5°	2650.2	2493.8	1846.2	981.4	495.2	387.5	379.2	379.2	372.8	359.0	355.7
55°	2915.1	2748.2	1970.2	973.4	474.9	388.2	382.5	384.1	375.2	361.4	358.3
57.5°	3249.1	3069.2	2117.7	958.7	453.9	389.8	385.8	387.5	379.2	366.3	363.1
60°	3480.9	3281.5	2223.1	936.1	434.5	389.8	387.5	389.8	387.5	380.9	378.5
62.5°	3618.6	3396.6	2234.5	884.2	419.8	386.6	385.8	393.9	399.6	397.1	394.7
65°	3722.4	3490.7	2209.3	816.9	402.8	377.7	381.8	394.7	404.4	405.3	404.4
67.5°	3642.1	3403.1	2087.7	738.3	382.5	366.3	374.4	389.0	403.6	408.5	407.6
70°	3395.8	3160.8	1878.6	641.9	359.0	348.5	359.8	379.2	394.7	400.3	398.7
72.5°	2889.3	2679.4	1591.0	549.5	331.5	324.9	337.2	359.8	372.8	376.1	373.6
75°	2391.6	2206.8	1277.2	453.0	301.4	295.8	307.1	324.9	333.9	333.9	329.9
77.5°	1911.8	1740.1	1005.7	376.1	270.8	264.2	274.8	285.2	287.0	281.3	277.2
80°	1501.8	1339.6	761.9	311.2	239.1	232.6	235.9	242.3	244.7	234.3	228.6
82.5°	1164.6	1019.5	572.2	257.8	208.2	200.2	202.5	205.9	206.7	193.7	187.2
85°	839.6	730.2	419.8	217.2	179.0	171.9	171.0	171.9	172.6	161.2	155.5
87.5°	576.3	500.1	307.1	182.4	154.8	147.5	145.9	145.1	145.1	132.9	127.3
90°	379.2	335.5	228.6	153.9	131.3	124.0	120.7	119.9	118.3	105.3	100.5
92.5°	246.4	225.3	169.4	126.4	108.6	102.1	98.2	95.6	93.2	81.1	76.2
95°	161.2	152.4	128.1	101.3	87.5	81.8	78.6	75.4	72.1	61.6	58.4
97.5°	114.2	111.0	99.7	81.8	69.7	65.7	63.3	60.7	58.4	49.3	47.8
100°	85.9	85.1	80.2	67.3	56.7	54.3	51.9	50.3	48.6	42.2	40.5
102.5°	66.4	67.3	65.7	55.0	47.8	45.4	43.8	42.2	41.3	36.5	35.6
105°	51.9	53.5	52.7	46.2	40.5	38.9	37.2	35.6	34.9	31.5	31.5
107.5°	40.5	42.2	42.9	38.1	34.9	33.3	31.5	29.9	29.9	28.4	28.4
110°	32.4	34.1	35.6	32.4	29.9	29.2	27.6	25.9	25.1	25.1	25.1



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CATALOG NUMBER: LXF.LXT-AF24-70-D-U-T2U-A-7030

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	26.8	27.6	29.2	27.6	25.9	25.1	23.5	21.9	21.9	21.9	22.7
115°	21.9	23.5	24.4	23.5	22.7	22.7	20.2	18.7	17.8	19.4	19.4
117.5°	18.7	20.2	21.1	20.2	20.2	20.2	17.8	16.2	15.4	16.2	17.1
120°	16.2	17.1	17.8	17.8	17.8	17.8	16.2	13.7	13.0	14.6	14.6
122.5°	13.7	14.6	15.4	16.2	16.2	15.4	13.7	12.1	11.4	13.0	13.0
125°	12.1	13.0	13.7	14.6	14.6	13.7	12.1	10.5	9.8	11.4	11.4
127.5°	11.4	12.1	13.0	13.0	13.0	12.1	10.5	9.0	9.0	9.8	10.5
130°	11.4	11.4	12.1	12.1	11.4	10.5	9.0	7.3	7.3	9.0	9.0
132.5°	10.5	10.5	10.5	10.5	9.8	9.0	7.3	6.4	6.4	8.0	8.0
135°	9.0	9.0	9.0	9.0	8.0	7.3	6.4	4.9	5.7	6.4	6.4
137.5°	7.3	7.3	7.3	7.3	6.4	5.7	4.9	4.1	4.1	4.9	5.7
140°	5.7	6.4	6.4	5.7	4.9	4.9	3.3	2.4	3.3	4.1	4.1
142.5°	4.9	4.9	4.9	4.1	4.1	3.3	2.4	1.6	2.4	3.3	3.3
145°	4.1	4.1	4.1	4.1	3.3	1.6	0.8	0.8	1.6	1.6	1.6
147.5°	3.3	3.3	3.3	3.3	2.4	1.6	0.0	0.0	0.8	0.8	0.8
150°	2.4	2.4	2.4	2.4	1.6	0.8	0.0	0.0	0.0	0.0	0.0
152.5°	1.6	1.6	2.4	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.8	1.6	1.6	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	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)