

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: P255220

Luminaire Tested: **LXF.LXT-AF24-30-D-U-SL3-TL-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P255220  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-36)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-AF24-30-D-U-SL3-TL-7030  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3005.7 lumens  
Efficiency: N/A  
Efficacy: 97.0 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: B1 - U3 - G2

Input Watts (W): 31  
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

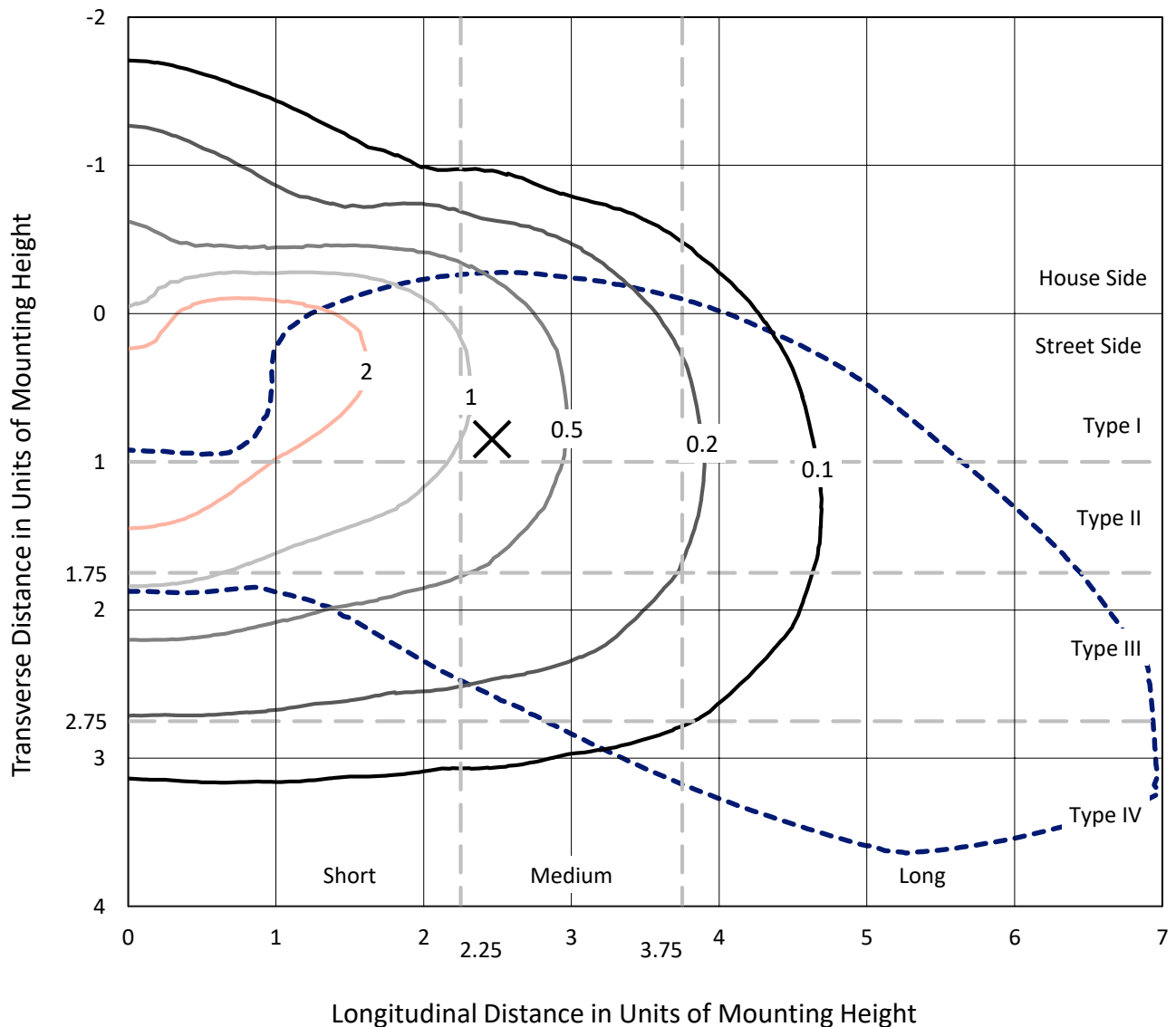


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

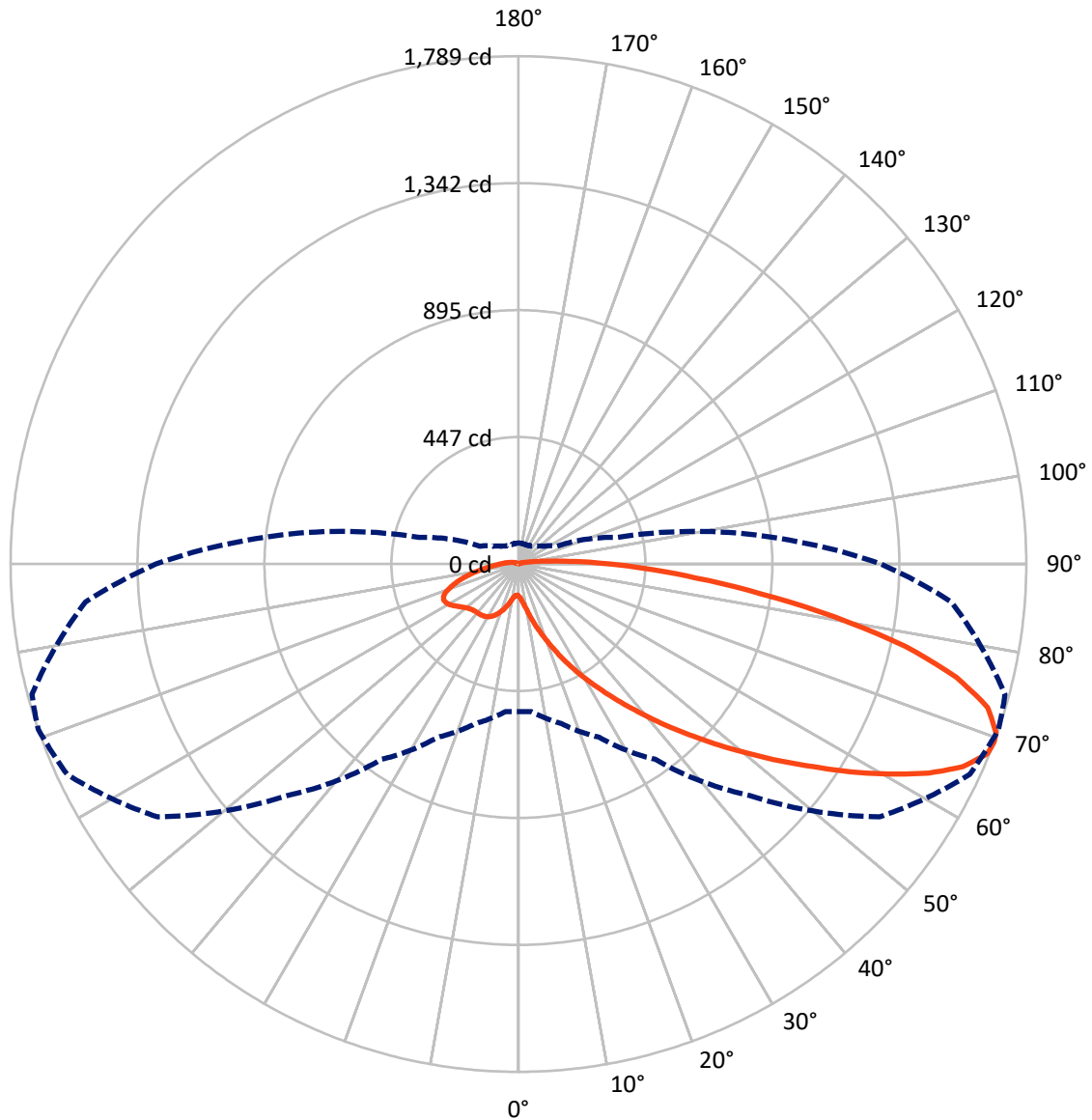


Based on 10 foot mounting height. Maximum calculated value = 3.7 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 71-Deg Lateral    - - - Horizontal Cone Through 69-Deg Vertical

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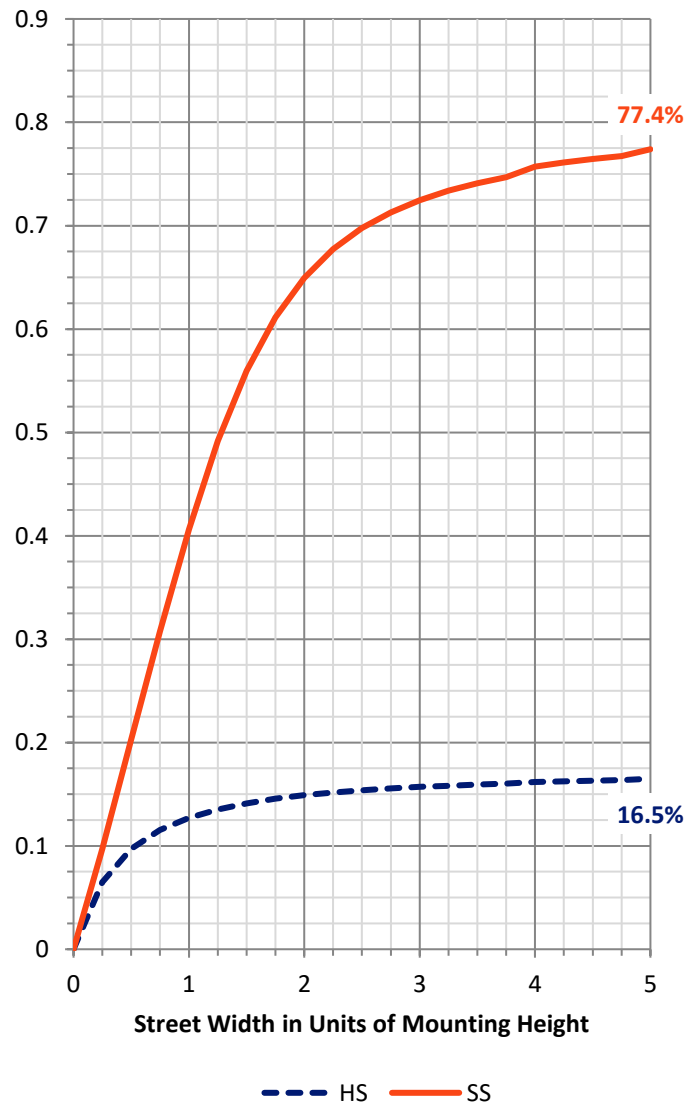
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	516.4	38.4	554.8
	% Fixture	17.2	1.3	18.5
<b>Street Side</b>	Lumens	2391.6	59.4	2451.0
	% Fixture	79.6	2.0	81.5
<b>Total</b>	Lumens	2907.9	97.8	3005.7
	% Fixture	96.7	3.3	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	11.8	0.4
10°-20°	48.9	1.6
20°-30°	118.2	3.9
30°-40°	230.2	7.7
40°-50°	393.9	13.1
50°-60°	587.8	19.6
60°-70°	706.9	23.5
70°-80°	565.6	18.8
80°-90°	244.5	8.1
90°-100°	65.7	2.2
100°-110°	20.2	0.7
110°-120°	7.7	0.3
120°-130°	2.8	0.1
130°-140°	1.1	0.0
140°-150°	0.3	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2907.9	96.7
0°-180°	3005.7	100.0

**Coefficient of Utilization**



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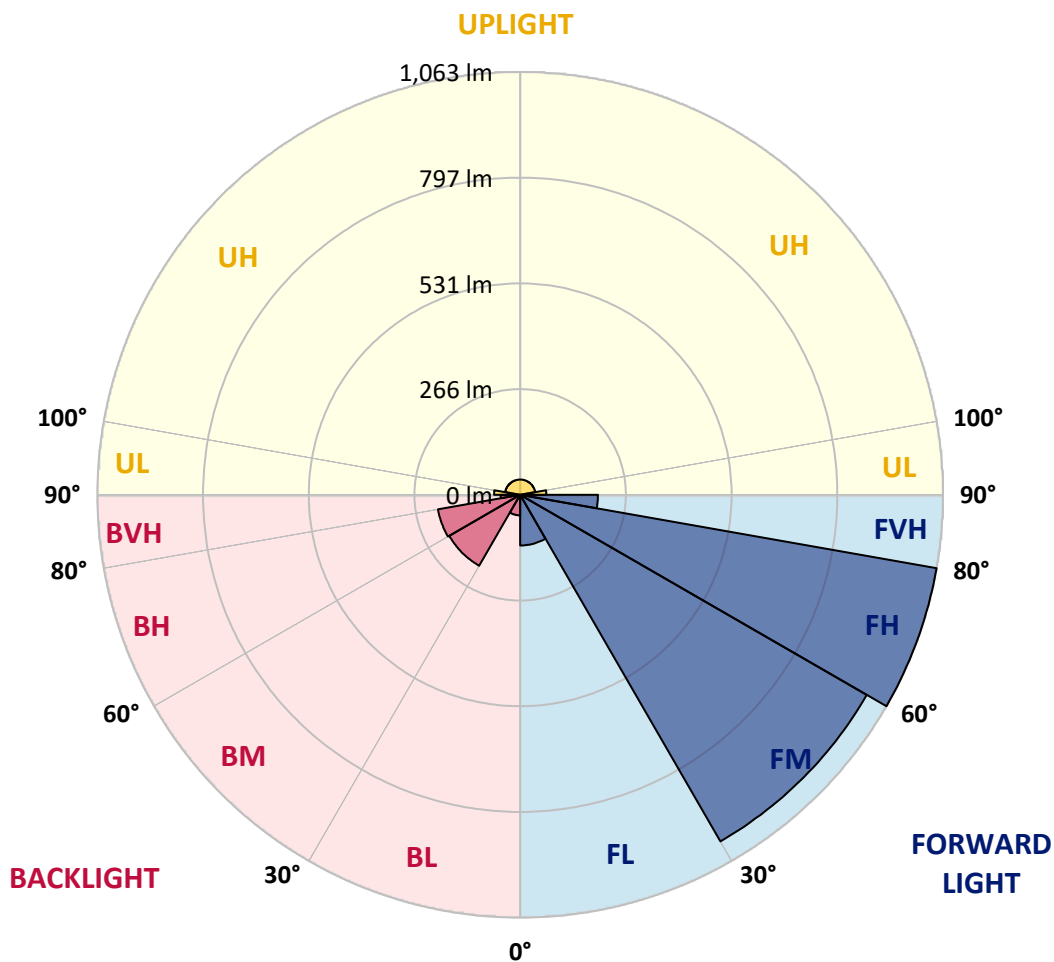
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	127.3	4.2			
FM	(30°-60°)	1006.0	33.5			
FH	(60°-80°)	1062.8	35.4			G1/1800
FVH	(80°-90°)	195.5	6.5			G2/225
BL	(0°-30°)	51.7	1.7	B0/110		
BM	(30°-60°)	206.0	6.9	B0/220		
BH	(60°-80°)	209.7	7.0	B1/500		G1/500
BVH	(80°-90°)	49.0	1.6			G1/100
UL	(90°-100°)	65.7	2.2		U3/500	
UH	(100°-180°)	38.4	1.3		U2/50	

**BUG Rating: B1-U3-G2**

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
0°	112.7	112.7	112.7	112.7	112.7	112.7	112.7	112.7	112.7	112.7	112.7
2.5°	127.8	127.8	127.3	127.8	125.8	125.1	122.8	120.6	119.1	118.8	115.4
5°	142.7	142.7	142.4	142.4	140.1	138.5	135.6	131.8	129.9	128.5	122.8
7.5°	159.9	159.5	159.2	159.5	157.7	154.3	151.7	146.9	145.0	141.9	134.8
10°	181.0	180.2	180.5	179.4	176.5	175.0	172.3	167.0	164.8	162.6	154.3
12.5°	206.4	206.4	205.6	203.3	200.4	199.6	198.6	195.5	192.6	189.6	177.9
15°	234.8	234.1	232.9	230.0	227.4	225.8	227.4	225.5	223.2	219.5	206.0
17.5°	267.4	265.9	264.1	260.2	256.2	257.0	258.4	257.0	253.9	252.8	236.6
20°	303.4	302.9	299.3	293.0	289.1	287.0	290.9	293.0	290.3	289.1	270.8
22.5°	346.1	343.4	338.6	330.7	324.0	320.2	324.7	331.5	330.7	329.2	309.8
25°	395.8	391.8	386.9	373.0	361.7	355.4	361.7	371.2	374.9	373.4	350.6
27.5°	451.7	446.1	438.2	422.1	403.7	391.0	400.0	412.4	421.7	422.5	394.8
30°	512.3	507.5	497.0	473.4	447.5	431.8	439.0	457.7	470.8	471.6	441.2
32.5°	581.7	576.5	555.5	530.4	497.0	475.3	482.4	506.8	522.5	527.7	491.7
35°	656.2	650.5	632.9	593.6	550.5	522.5	530.4	560.7	579.7	587.6	545.6
37.5°	735.6	726.2	706.1	662.2	613.5	577.6	581.3	616.9	643.1	653.2	606.0
40°	813.1	809.4	782.0	730.7	672.0	632.9	636.3	678.0	710.8	722.4	670.5
42.5°	892.5	883.9	858.0	798.4	733.6	691.4	699.6	746.5	786.8	799.7	737.8
45°	968.1	960.7	927.7	864.5	797.0	754.7	766.4	824.4	866.3	883.2	814.6
47.5°	1036.7	1026.9	993.6	925.1	859.3	821.3	836.4	905.2	954.3	973.8	900.8
50°	1086.1	1078.3	1044.2	977.1	916.1	891.3	919.1	993.2	1048.7	1074.9	994.4
52.5°	1107.9	1104.1	1071.5	1011.2	965.6	961.1	1012.0	1088.0	1150.9	1179.4	1094.3
55°	1100.0	1094.3	1075.9	1027.7	1003.3	1028.7	1109.3	1196.3	1260.7	1291.3	1201.9
57.5°	1055.5	1051.7	1050.2	1019.8	1025.5	1093.6	1205.5	1317.5	1380.9	1405.6	1309.4
60°	979.7	977.6	992.8	991.4	1031.1	1146.4	1307.1	1446.0	1502.2	1530.7	1414.6
62.5°	867.1	872.3	907.5	937.8	1012.8	1181.6	1400.0	1563.3	1622.1	1642.7	1496.3
65°	735.2	744.6	791.8	853.6	970.4	1196.3	1483.8	1665.1	1721.4	1728.8	1548.3
67.5°	588.8	603.7	659.9	745.7	897.8	1182.7	1536.7	1733.7	1782.3	1773.1	1552.8
69°	519.8	521.7	581.3	673.4	840.1	1153.9	1552.8	1753.9	1789.1	1774.5	1530.7
70°	469.3	472.3	531.1	626.2	797.4	1125.8	1552.5	1758.7	1785.4	1762.6	1509.3
72.5°	347.6	358.8	417.3	515.3	687.7	1028.7	1502.2	1731.9	1729.2	1688.0	1395.1
75°	252.4	261.7	318.0	414.9	579.1	901.2	1379.1	1620.2	1594.4	1541.5	1220.7
77.5°	180.2	182.8	232.6	326.2	477.9	754.3	1190.6	1420.9	1394.0	1314.9	999.6
80°	121.8	124.0	164.8	246.8	384.6	619.8	980.2	1164.8	1128.8	1043.1	758.8
82.5°	78.6	82.8	114.9	181.3	301.1	500.0	774.1	902.3	861.1	784.3	558.1
85°	55.0	56.2	79.8	131.1	226.1	386.9	588.1	671.5	628.8	565.5	389.5
87.5°	36.7	37.8	56.2	95.2	164.8	283.2	427.3	476.4	439.7	388.8	259.6
90°	23.3	25.1	39.0	67.7	118.8	197.8	295.5	319.1	293.0	251.3	161.0
92.5°	16.5	17.3	27.4	48.7	84.2	135.6	192.9	202.2	179.7	152.4	97.4
95°	11.3	12.0	19.8	34.9	60.6	91.3	122.8	123.3	105.2	89.9	61.8
97.5°	8.2	9.0	15.0	25.9	43.4	62.5	78.2	74.2	63.3	55.0	43.0
100°	6.8	7.1	12.0	19.8	31.4	44.1	51.4	46.4	40.9	36.7	31.4
102.5°	5.6	6.0	10.2	16.1	23.6	31.4	34.9	31.1	27.8	25.4	23.6
105°	4.9	5.3	8.6	13.4	19.1	23.3	24.7	22.1	20.2	18.7	17.6
107.5°	4.5	4.9	7.5	11.6	15.8	18.7	19.4	16.8	15.0	13.4	12.8



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
110°	4.2	4.5	6.8	10.2	13.4	15.8	15.4	13.1	10.8	9.4	9.4
112.5°	3.8	4.2	6.0	9.0	11.6	13.1	12.8	9.8	7.8	6.8	6.8
115°	3.4	3.8	5.3	7.8	10.2	10.8	10.2	7.5	5.6	4.5	5.3
117.5°	2.9	3.4	4.5	6.8	8.6	9.0	7.8	5.6	4.2	3.4	3.8
120°	2.9	2.9	4.2	5.6	7.1	7.5	6.3	4.2	2.9	2.6	2.9
122.5°	2.6	2.9	3.8	4.9	6.0	6.0	4.9	2.9	2.3	2.3	2.6
125°	2.6	2.6	2.9	4.2	4.9	4.9	3.8	2.3	1.8	2.3	2.6
127.5°	2.3	2.6	2.9	3.8	4.2	4.2	2.9	1.8	1.8	1.8	2.3
130°	2.3	2.3	2.6	2.9	3.4	2.9	2.3	1.5	1.5	1.8	2.3
132.5°	2.3	2.3	2.3	2.6	2.9	2.3	1.5	1.5	1.5	1.5	2.3
135°	1.8	1.8	1.8	2.3	2.3	1.5	1.1	1.1	1.5	1.5	1.8
137.5°	1.5	1.5	1.5	1.5	1.5	1.1	0.8	1.1	1.1	1.5	1.8
140°	1.1	1.1	1.1	1.1	1.1	0.3	0.8	0.8	1.1	1.1	1.5
142.5°	0.8	0.8	0.8	1.1	0.8	0.3	0.3	0.8	1.1	1.1	1.5
145°	0.3	0.3	0.8	0.8	0.3	0.0	0.3	0.8	0.8	1.1	1.1
147.5°	0.0	0.0	0.3	0.3	0.0	0.0	0.0	0.3	0.8	0.8	1.1
150°	0.0	0.0	0.3	0.3	0.0	0.0	0.0	0.3	0.3	0.8	0.8
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.8
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3
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°	112.7	112.7	112.7	112.7	112.7	112.7	112.7	112.7	112.7	112.7	112.7
2.5°	114.2	113.1	110.5	107.8	105.2	103.4	101.8	101.5	100.4	99.2	99.7
5°	120.1	117.6	113.1	107.5	102.2	97.8	94.4	91.3	89.5	87.3	87.6
7.5°	131.1	127.0	119.1	109.7	101.2	94.0	87.3	83.5	80.6	79.0	78.6
10°	147.6	141.9	128.8	115.4	102.2	91.8	83.5	78.6	75.6	73.8	73.8
12.5°	170.8	162.6	143.7	124.3	106.4	92.1	82.4	77.6	74.6	73.4	73.4
15°	196.2	185.4	160.3	133.8	110.5	93.3	82.8	77.6	75.0	73.8	73.4
17.5°	224.7	210.1	176.5	141.6	113.8	95.5	83.1	77.6	75.0	74.2	73.8
20°	255.4	237.1	192.9	149.0	116.5	95.9	82.8	77.1	75.3	75.0	75.0
22.5°	289.9	265.9	208.5	155.4	118.0	94.7	81.6	76.8	75.6	76.1	76.1
25°	325.8	295.9	223.6	159.2	116.5	92.1	80.6	76.8	76.4	77.6	77.6
27.5°	364.1	325.8	236.6	161.8	113.5	88.4	78.6	76.8	77.1	78.6	78.6
30°	404.2	356.5	247.9	161.3	109.7	85.4	77.6	76.4	77.9	80.2	80.2
32.5°	446.5	388.4	257.3	159.2	105.2	83.1	76.4	76.8	79.0	81.6	82.1
35°	489.9	418.4	264.9	154.7	101.2	81.3	76.4	77.6	80.2	83.1	83.5
37.5°	538.2	452.0	271.5	150.6	98.2	80.6	76.8	77.9	80.9	84.2	85.0
40°	590.2	488.7	276.4	145.4	95.9	80.9	77.6	78.6	81.3	85.0	85.8
42.5°	645.7	526.2	281.7	141.2	94.0	81.3	78.6	79.0	81.6	85.8	86.6
45°	708.6	568.1	287.7	137.4	93.6	82.8	79.4	79.0	81.3	86.6	86.9
47.5°	780.5	620.6	296.6	134.8	93.6	83.9	80.2	79.0	80.9	86.6	87.3
50°	859.3	675.7	307.4	134.1	94.7	85.4	80.9	79.0	80.6	85.0	85.8
52.5°	942.7	737.8	322.1	134.5	96.2	86.6	81.6	78.6	79.4	82.8	83.1
55°	1035.6	804.1	338.6	136.7	98.6	88.1	82.1	77.9	77.9	80.2	80.2
57.5°	1126.6	873.0	356.5	139.3	101.5	89.5	82.1	77.1	76.8	78.2	78.2
60°	1210.8	930.7	374.1	142.7	104.2	90.2	81.6	76.4	75.6	76.8	77.1
62.5°	1281.3	977.6	385.0	146.4	106.4	90.6	80.9	75.6	75.0	76.1	76.1
65°	1311.9	1000.0	387.3	149.0	108.6	90.2	79.8	74.6	74.2	75.0	75.3
67.5°	1306.7	987.2	376.4	149.4	109.4	89.9	78.6	73.4	73.4	74.2	74.2
69°	1276.8	960.0	362.5	148.7	109.4	88.7	77.6	72.6	72.9	73.8	73.8
70°	1248.3	930.7	349.1	146.9	109.0	88.1	76.4	71.9	72.6	73.4	73.4
72.5°	1138.9	835.2	313.5	140.8	106.0	85.4	74.2	69.7	71.1	72.6	72.3
75°	980.5	708.2	271.5	131.4	101.2	81.6	71.1	67.0	69.3	71.1	70.8
77.5°	789.2	566.3	227.7	120.6	95.2	76.8	67.4	64.0	66.6	69.0	68.5
80°	600.4	434.9	184.9	108.6	87.3	71.6	63.3	60.3	63.7	65.5	65.1
82.5°	439.0	318.0	145.4	96.5	79.8	65.9	58.5	56.2	59.5	61.4	60.6
85°	304.5	222.2	112.3	83.5	71.6	59.5	53.2	51.7	54.6	56.2	55.4
87.5°	201.1	149.8	86.9	72.3	63.7	53.5	48.3	46.8	49.8	50.6	50.1
90°	127.8	100.4	69.0	62.2	56.2	47.5	43.0	42.3	44.6	44.9	43.8
92.5°	81.6	69.0	55.8	53.5	49.0	42.3	38.6	37.4	39.4	39.4	38.2
95°	56.6	51.4	45.7	46.1	42.7	37.0	33.8	33.4	34.1	33.4	33.0
97.5°	40.9	39.0	37.8	39.4	37.0	32.2	29.6	28.9	29.2	28.1	27.8
100°	31.1	30.7	31.4	33.0	31.4	27.8	25.4	25.1	24.7	22.8	22.8
102.5°	23.9	23.9	25.9	28.1	26.6	23.6	22.1	21.3	20.2	18.3	18.0
105°	18.3	18.7	21.3	23.3	22.5	19.8	18.7	17.6	16.1	14.2	14.2
107.5°	13.8	14.6	17.3	19.1	18.3	16.5	15.4	14.2	12.8	10.8	11.3



REPORT NUMBER: P255220

CATALOG NUMBER: LXF.LXT-AF24-30-D-U-SL3-TL-7030

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	10.5	11.3	13.8	15.4	15.0	13.8	12.8	11.6	9.8	8.2	8.6
112.5°	7.8	8.6	10.8	12.3	12.3	11.3	10.2	9.0	7.1	6.3	6.3
115°	6.0	6.8	8.6	9.8	9.8	8.6	7.8	6.8	5.3	4.9	4.9
117.5°	4.5	5.3	6.8	7.8	7.5	6.8	6.0	5.3	4.2	3.8	3.8
120°	3.8	4.2	5.3	6.0	5.6	5.3	4.5	3.8	2.9	2.9	2.9
122.5°	2.9	3.4	4.2	4.5	4.2	3.8	3.4	2.6	2.3	2.3	2.3
125°	2.6	2.9	3.4	3.4	2.9	2.6	2.3	1.8	1.5	1.8	1.8
127.5°	2.6	2.6	2.9	2.6	2.3	1.8	1.5	1.1	1.1	1.5	1.5
130°	2.3	2.6	2.6	2.3	1.8	1.1	1.1	0.8	0.8	1.1	1.1
132.5°	2.3	2.3	2.3	1.8	1.5	0.8	0.3	0.3	0.8	0.8	0.8
135°	1.8	2.3	1.8	1.5	1.1	0.8	0.0	0.3	0.3	0.3	0.3
137.5°	1.8	1.8	1.8	1.5	0.8	0.3	0.0	0.0	0.3	0.0	0.0
140°	1.5	1.5	1.5	1.1	0.8	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	1.5	1.5	1.5	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0
145°	1.1	1.1	1.1	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	1.1	1.1	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.8	0.8	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.8	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.3	0.3	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

(END OF REPORT)