

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: P266043

Luminaire Tested: **LXF.LXT-AF24-30-D-U-T3-CL-7027**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P266043  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-24)  
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-T3-CL-7027  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS  
AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2856.1 lumens  
Efficiency: N/A  
Efficacy: 92.1 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type III - Medium - Non-Cutoff  
BUG Rating: B1 - U2 - G1

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

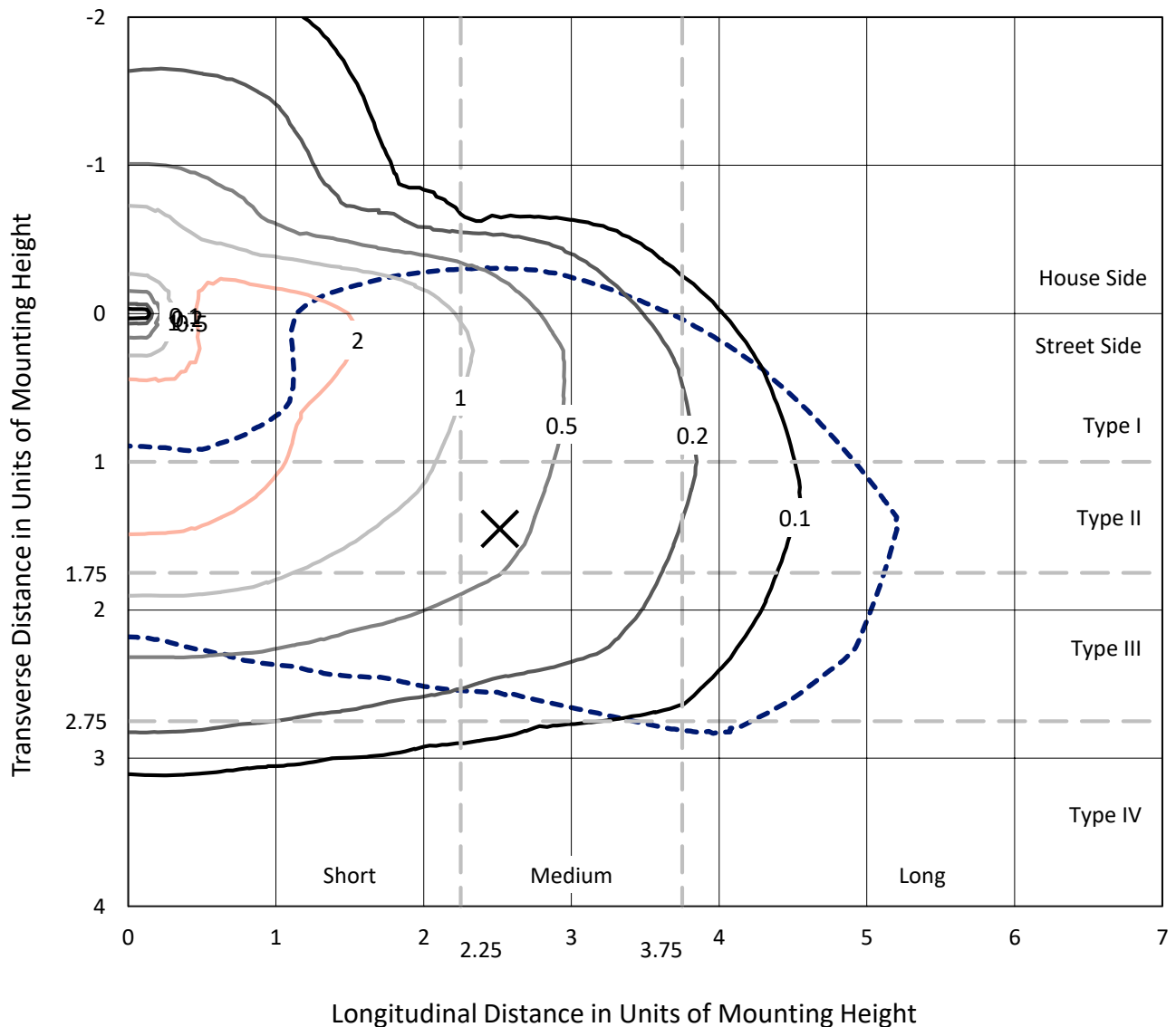


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

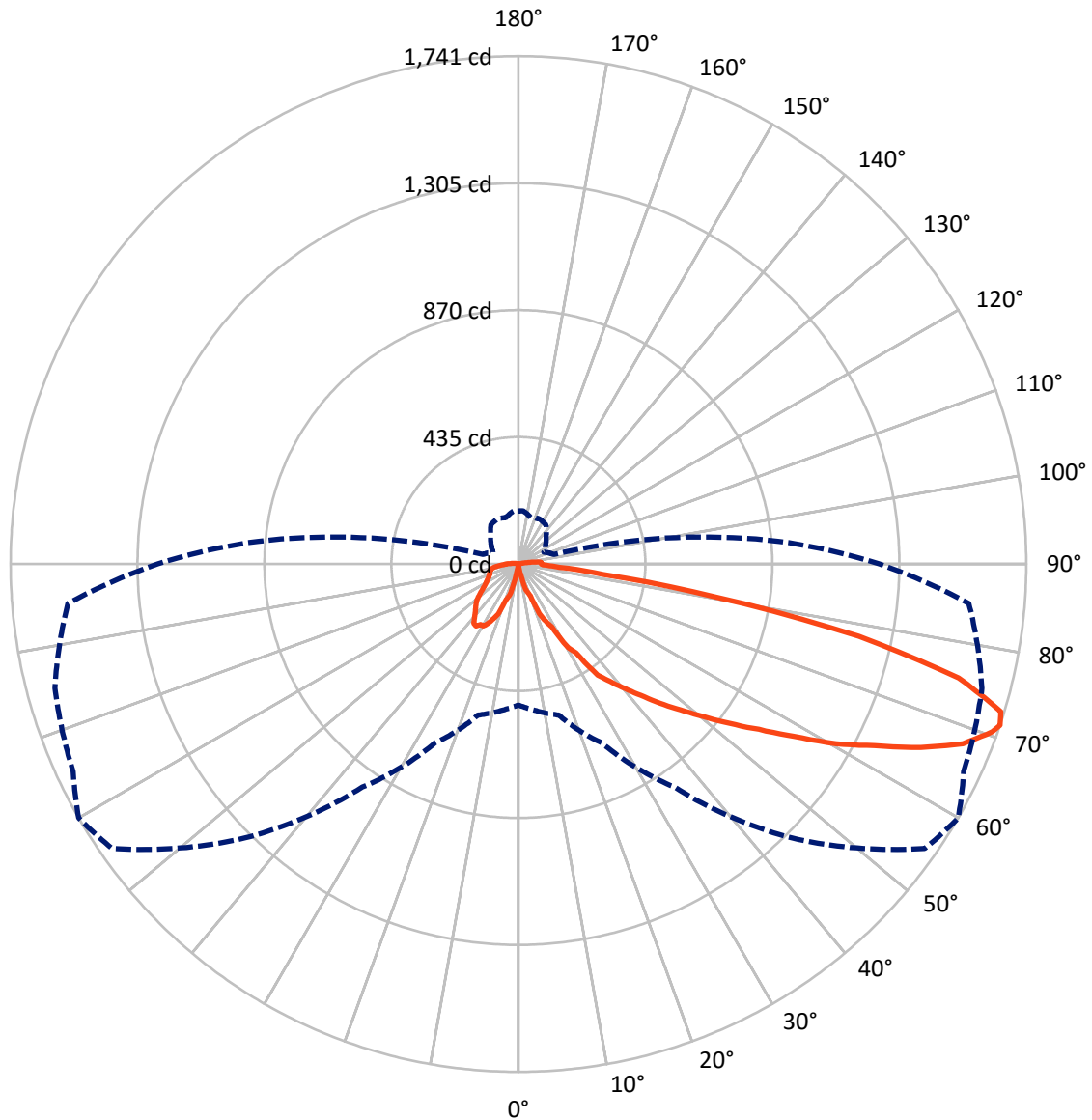


Based on 10 foot mounting height. Maximum calculated value = 3.6 fc  
 Type III - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral      - - - Horizontal Cone Through 71-Deg Vertical

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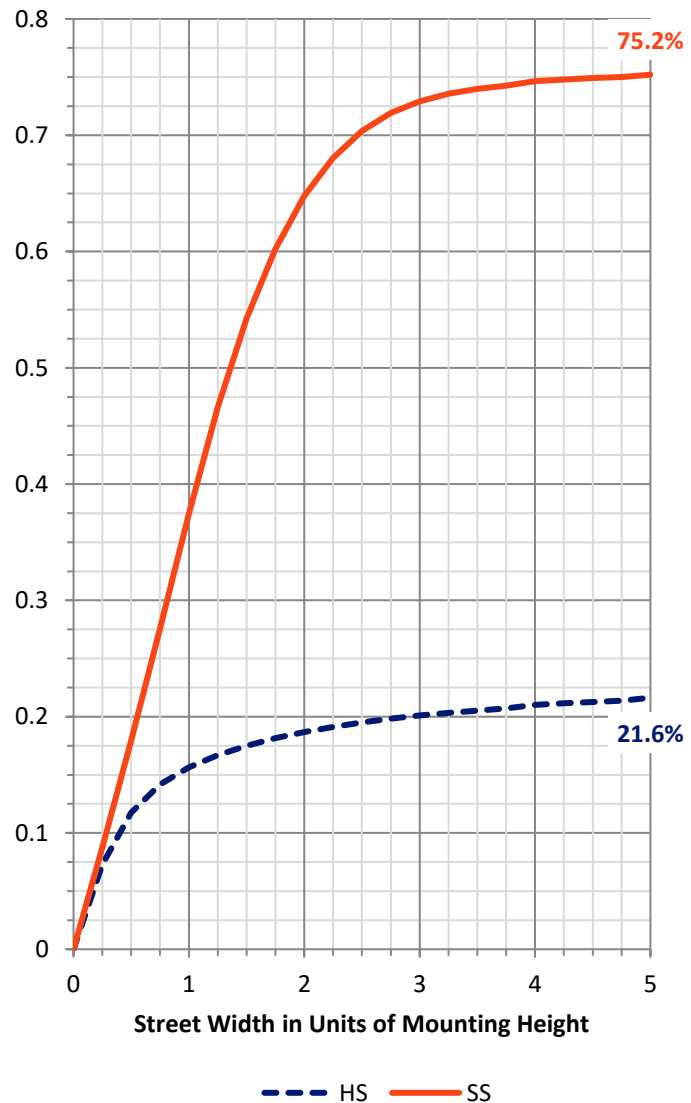
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	648.8	21.0	669.9
	% Fixture	22.7	0.7	23.5
<b>Street Side</b>	Lumens	2165.7	20.5	2186.2
	% Fixture	75.8	0.7	76.5
<b>Total</b>	Lumens	2814.5	41.6	2856.1
	% Fixture	98.5	1.5	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1.5	0.1
10°-20°	25.7	0.9
20°-30°	105.3	3.7
30°-40°	236.8	8.3
40°-50°	411.1	14.4
50°-60°	622.9	21.8
60°-70°	767.6	26.9
70°-80°	523.2	18.3
80°-90°	120.4	4.2
90°-100°	36.8	1.3
100°-110°	3.4	0.1
110°-120°	0.5	0.0
120°-130°	0.4	0.0
130°-140°	0.2	0.0
140°-150°	0.2	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2814.5	98.5
0°-180°	2856.1	100.0



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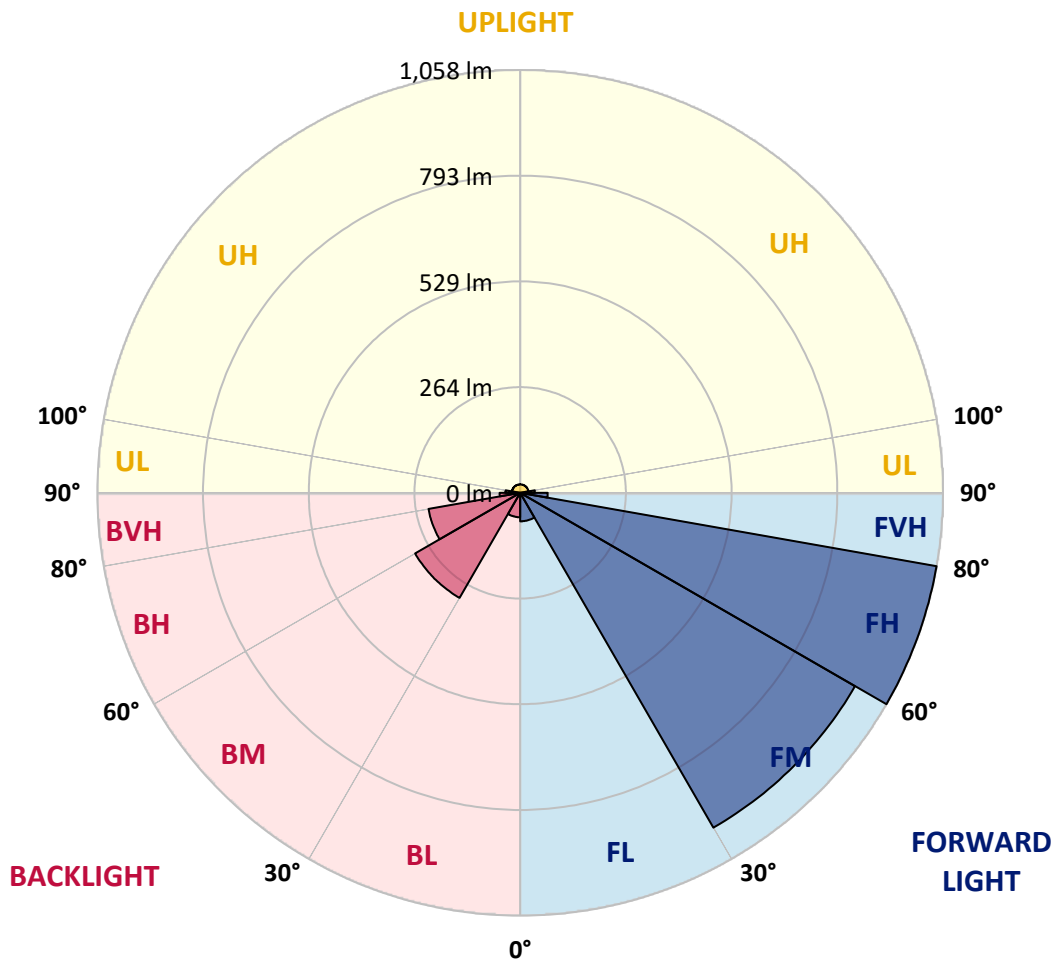
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	71.4	2.5			
FM	(30°-60°)	967.4	33.9			
FH	(60°-80°)	1058.0	37.0			G1/1800
FVH	(80°-90°)	69.0	2.4			G1/100
BL	(0°-30°)	61.2	2.1	B0/110		
BM	(30°-60°)	303.4	10.6	B1/1000		
BH	(60°-80°)	232.9	8.2	B1/500		G1/500
BVH	(80°-90°)	51.4	1.8			G1/100
UL	(90°-100°)	36.8	1.3		U2/50	
UH	(100°-180°)	21.0	0.7		U2/50	

**BUG Rating: B1-U2-G1**

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
2.5°	1.6	2.1	1.3	1.6	1.6	1.3	1.0	1.0	1.3	1.3	1.0
5°	30.6	30.9	32.2	33.2	11.5	8.1	3.1	2.1	1.6	1.3	1.3
7.5°	38.6	38.0	37.4	35.4	36.3	34.0	20.2	8.4	4.0	1.6	1.3
10°	44.7	44.7	41.7	39.3	39.0	38.4	36.3	33.2	15.8	3.4	2.3
12.5°	81.7	79.4	75.6	62.3	47.4	42.7	41.7	42.7	35.0	34.7	46.4
15°	93.6	94.2	92.2	87.1	84.4	54.4	71.7	89.1	89.6	71.7	80.8
17.5°	121.5	120.8	110.3	100.6	97.9	104.4	104.7	100.3	100.6	89.6	95.2
20°	180.6	182.4	173.6	147.1	119.1	137.6	133.6	116.2	118.4	168.9	174.4
22.5°	212.0	215.4	205.0	193.9	192.1	152.7	172.7	184.4	179.0	199.2	200.5
25°	314.5	305.6	266.2	227.8	232.8	203.6	223.4	217.3	208.0	222.7	257.8
27.5°	342.6	344.9	334.8	315.2	267.2	277.9	253.3	243.3	280.4	312.6	322.0
30°	406.2	406.2	370.1	362.6	341.4	310.5	331.5	328.4	334.8	339.7	357.3
32.5°	493.2	487.5	471.4	415.6	392.3	355.3	382.1	363.8	374.9	443.9	473.0
35°	583.1	582.7	527.6	486.5	439.1	433.3	420.5	468.3	481.4	484.5	513.4
37.5°	697.4	698.5	668.5	548.1	499.3	473.0	506.7	509.7	525.1	551.7	560.8
40°	787.6	782.2	743.8	654.1	574.6	537.4	566.7	561.5	588.1	609.3	622.4
42.5°	900.3	897.0	844.1	740.3	678.9	619.4	627.5	614.4	633.6	686.3	691.8
45°	1006.3	1000.0	951.1	840.2	775.9	710.3	692.8	680.6	685.0	745.0	765.4
47.5°	1077.2	1069.9	1051.3	942.4	891.9	806.0	770.1	746.0	751.3	818.3	852.2
50°	1166.1	1141.6	1125.0	1027.5	991.5	922.2	845.8	822.3	834.3	895.6	948.5
52.5°	1213.6	1180.3	1180.6	1110.9	1077.0	1027.9	930.3	907.4	923.5	982.0	1058.8
55°	1177.9	1174.5	1203.8	1164.2	1144.9	1102.6	1021.5	1000.6	1027.2	1095.6	1180.3
57.5°	1127.2	1132.1	1192.4	1211.3	1211.3	1177.3	1122.7	1114.0	1142.6	1212.0	1297.1
60°	1069.0	1081.4	1158.5	1212.6	1252.5	1250.6	1232.0	1250.3	1258.6	1324.6	1439.4
62.5°	983.5	989.2	1079.4	1189.0	1254.7	1318.9	1347.2	1370.4	1402.3	1456.5	1561.2
65°	885.5	892.6	982.7	1125.8	1243.6	1363.6	1459.8	1516.1	1525.9	1569.2	1649.0
67.5°	759.1	766.8	845.6	1007.0	1199.7	1400.0	1574.5	1643.2	1626.7	1620.7	1669.8
70°	588.1	587.9	643.2	791.6	1040.0	1385.8	1675.9	1722.6	1679.9	1646.7	1612.0
71°	483.2	499.6	536.0	676.2	933.2	1328.4	1700.1	1740.5	1683.7	1644.5	1549.7
72.5°	307.8	327.1	358.0	482.5	745.0	1179.7	1678.9	1728.7	1671.4	1620.1	1424.5
75°	121.5	125.9	148.7	223.4	404.1	794.5	1482.5	1558.1	1535.6	1489.1	1141.9
77.5°	73.3	75.6	84.4	111.7	185.4	367.3	1082.6	1192.7	1232.5	1210.8	785.9
80°	55.2	57.5	65.2	78.7	123.8	152.7	572.0	685.3	783.2	782.2	441.1
82.5°	42.0	43.4	50.8	55.5	92.2	105.6	215.7	291.7	379.5	379.5	218.6
85°	39.0	39.0	41.4	37.4	61.3	75.6	128.2	140.2	148.4	157.5	127.5
87.5°	15.5	15.1	19.9	19.1	26.9	49.8	81.0	84.8	79.4	96.2	110.0
90°	10.4	10.8	8.4	8.4	14.8	45.8	74.0	77.8	73.0	86.7	113.0
92.5°	10.2	10.4	7.7	7.7	11.0	38.0	77.3	78.7	75.0	89.6	115.1
95°	9.2	9.4	6.4	6.4	8.8	23.3	72.0	74.0	64.3	72.4	92.2
97.5°	7.0	7.4	4.4	4.8	6.7	8.8	43.1	46.2	36.0	34.0	40.1
100°	4.8	5.0	2.6	3.4	4.0	4.0	16.4	17.8	16.2	8.8	5.0
102.5°	4.4	4.8	2.1	2.1	2.1	1.3	3.4	5.4	3.1	3.8	4.4
105°	4.0	4.8	1.3	1.0	0.7	0.7	1.0	1.3	1.6	2.3	4.8
107.5°	2.6	3.1	0.7	0.7	0.3	0.7	0.7	0.7	1.0	1.6	4.4



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	1.3	1.3	0.3	0.3	0.0	0.3	0.3	0.7	1.0	1.3	2.1
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	0.7	1.0	1.6
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.7	1.0	1.6
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	1.0	1.6
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	1.0	1.6
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.0	1.6
125°	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	1.6
127.5°	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	1.3
130°	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3
132.5°	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.7
140°	0.3	0.3	0.3	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.7
142.5°	0.7	0.3	0.3	0.3	0.0	0.0	0.3	0.3	0.3	0.7	0.7
145°	0.7	0.7	0.3	0.3	0.0	0.0	0.3	0.3	0.7	0.7	0.7
147.5°	1.0	1.0	0.3	0.0	0.0	0.0	0.3	0.3	0.7	0.7	1.0
150°	0.7	0.7	0.3	0.0	0.0	0.0	0.0	0.3	0.7	0.7	1.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	0.7
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
2.5°	1.0	1.0	1.0	1.0	0.7	0.3	0.3	0.3	0.3	0.3	0.3
5°	1.0	1.0	1.0	1.0	1.0	0.7	1.3	2.1	2.3	2.6	2.6
7.5°	1.3	1.3	1.3	1.3	1.3	2.6	16.8	37.4	42.7	45.8	44.7
10°	2.3	2.3	2.1	2.3	8.4	41.7	50.8	54.4	55.2	57.5	59.6
12.5°	49.8	42.7	20.2	11.5	43.1	54.2	58.5	61.5	64.9	80.8	72.4
15°	82.5	84.1	82.5	90.9	101.6	61.3	72.7	111.0	120.5	123.2	122.4
17.5°	97.6	95.6	95.6	116.4	120.5	119.7	115.7	123.8	126.1	130.3	128.8
20°	181.6	182.4	171.2	135.3	128.5	161.2	129.5	129.1	154.1	177.0	177.7
22.5°	202.6	204.3	198.9	200.5	168.3	166.5	162.6	170.6	180.3	184.7	183.3
25°	274.9	256.0	221.7	206.6	203.8	170.3	191.8	176.0	177.3	179.8	181.4
27.5°	333.1	330.8	308.5	252.1	203.8	206.6	184.7	181.6	201.8	203.8	204.3
30°	360.7	354.7	329.7	265.1	223.8	197.8	180.0	194.2	191.1	193.1	193.1
32.5°	480.9	478.1	423.2	272.1	216.8	183.1	184.4	184.1	201.5	207.2	205.9
35°	513.1	508.0	427.0	309.1	205.6	184.7	173.6	186.8	186.8	189.2	188.5
37.5°	553.1	544.7	433.1	296.1	212.3	173.6	169.9	173.6	183.1	185.7	184.1
40°	608.3	589.1	428.0	274.3	198.2	171.9	163.5	170.3	169.6	166.1	164.5
42.5°	665.9	642.9	428.3	254.0	187.0	169.6	161.4	160.2	158.1	152.7	151.8
45°	740.6	695.5	433.3	239.8	177.7	168.3	159.4	153.4	150.3	144.9	144.0
47.5°	825.6	751.6	431.6	228.4	168.3	164.2	153.4	147.7	146.1	138.6	137.6
50°	911.4	806.0	433.1	213.0	157.5	159.8	151.8	143.6	140.7	132.2	132.0
52.5°	1011.8	863.0	424.3	190.8	144.9	154.1	152.7	144.6	144.6	132.2	131.2
55°	1110.9	932.6	416.9	167.3	136.6	149.4	154.8	151.8	151.1	133.8	132.9
57.5°	1208.8	992.5	393.0	146.8	131.2	145.3	159.4	156.5	154.4	140.7	137.6
60°	1314.5	1070.9	348.0	130.6	128.2	142.0	160.8	160.4	149.1	147.7	146.1
62.5°	1393.9	1116.4	289.8	119.7	123.8	140.9	160.2	160.2	150.3	150.0	149.4
65°	1431.5	1122.1	219.0	111.4	119.5	139.2	157.8	164.2	156.5	157.5	156.1
67.5°	1412.5	1078.7	164.8	103.9	115.4	137.9	158.1	168.9	161.9	172.2	170.6
70°	1311.2	966.9	135.6	99.0	114.1	135.6	162.9	170.3	165.6	182.4	180.3
71°	1237.4	894.9	126.5	95.8	114.1	134.2	163.9	170.6	164.8	183.3	181.6
72.5°	1112.6	768.1	116.8	91.4	113.4	133.6	163.9	170.3	166.8	187.7	184.7
75°	838.5	527.2	104.7	89.1	112.6	131.5	160.4	167.3	164.2	180.0	179.3
77.5°	537.4	308.2	93.6	88.8	110.0	130.6	156.1	161.2	155.8	169.2	168.5
80°	295.7	177.0	83.2	83.2	104.7	128.2	149.4	150.3	144.9	155.4	151.1
82.5°	175.6	125.6	69.0	73.0	96.8	121.8	142.0	137.4	131.5	150.7	128.2
85°	118.4	97.6	47.4	56.1	87.1	105.6	126.5	119.1	109.4	110.0	105.0
87.5°	98.3	77.8	25.0	36.7	67.6	77.3	93.9	86.4	76.4	75.0	70.6
90°	97.6	75.6	19.9	33.0	54.2	59.8	72.7	65.5	59.8	62.3	58.8
92.5°	98.3	75.0	20.5	28.2	44.3	45.0	59.6	56.9	51.8	52.8	49.4
95°	78.7	58.8	19.9	22.5	25.2	23.9	36.7	36.7	31.6	30.0	27.9
97.5°	33.0	29.3	18.5	18.1	17.8	13.1	21.2	24.3	16.4	11.0	9.7
100°	5.0	8.4	15.5	17.2	12.4	7.7	13.5	15.5	8.8	1.6	1.3
102.5°	5.0	4.4	6.4	12.8	7.4	2.1	5.4	8.8	4.4	1.0	1.3
105°	5.4	4.4	2.6	6.7	1.6	0.7	0.3	2.3	0.7	1.0	1.0
107.5°	5.0	4.0	1.6	1.3	1.0	0.3	0.0	0.0	0.0	1.0	1.3



REPORT NUMBER: P266043

CATALOG NUMBER: LXF.LXT-AF24-30-D-U-T3-CL-7027

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	2.6	2.3	1.6	1.0	0.7	0.3	0.0	0.0	0.0	1.0	1.3
112.5°	1.6	2.1	1.3	1.0	0.3	0.3	0.0	0.0	0.0	1.3	1.6
115°	2.1	2.1	1.3	0.7	0.3	0.0	0.0	0.0	0.0	1.3	1.6
117.5°	2.1	2.1	1.3	0.7	0.3	0.0	0.0	0.0	0.0	1.3	1.6
120°	2.1	2.1	1.3	0.7	0.3	0.0	0.0	0.0	0.0	1.3	1.6
122.5°	2.1	2.1	1.3	0.7	0.3	0.0	0.0	0.0	0.0	1.0	1.3
125°	1.6	1.6	1.3	0.7	0.0	0.0	0.0	0.0	0.0	1.0	1.3
127.5°	1.6	1.6	1.0	0.7	0.0	0.0	0.0	0.0	0.0	0.7	1.0
130°	1.6	1.6	1.0	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.7
132.5°	1.3	1.3	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	1.0	1.0	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.7	0.7	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.7	0.7	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.7	0.7	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	1.0	1.0	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	1.0	1.0	1.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.0	1.0	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.7	0.7	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.7	0.7	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)