

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: P694814

Luminaire Tested: **LXF.LXT-PA16-30-730-U-T3-TL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P694814  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-30-730-U-T3-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS AND  
TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3245 lumens  
Efficiency: N/A  
Efficacy: 111.1 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U3 - G2

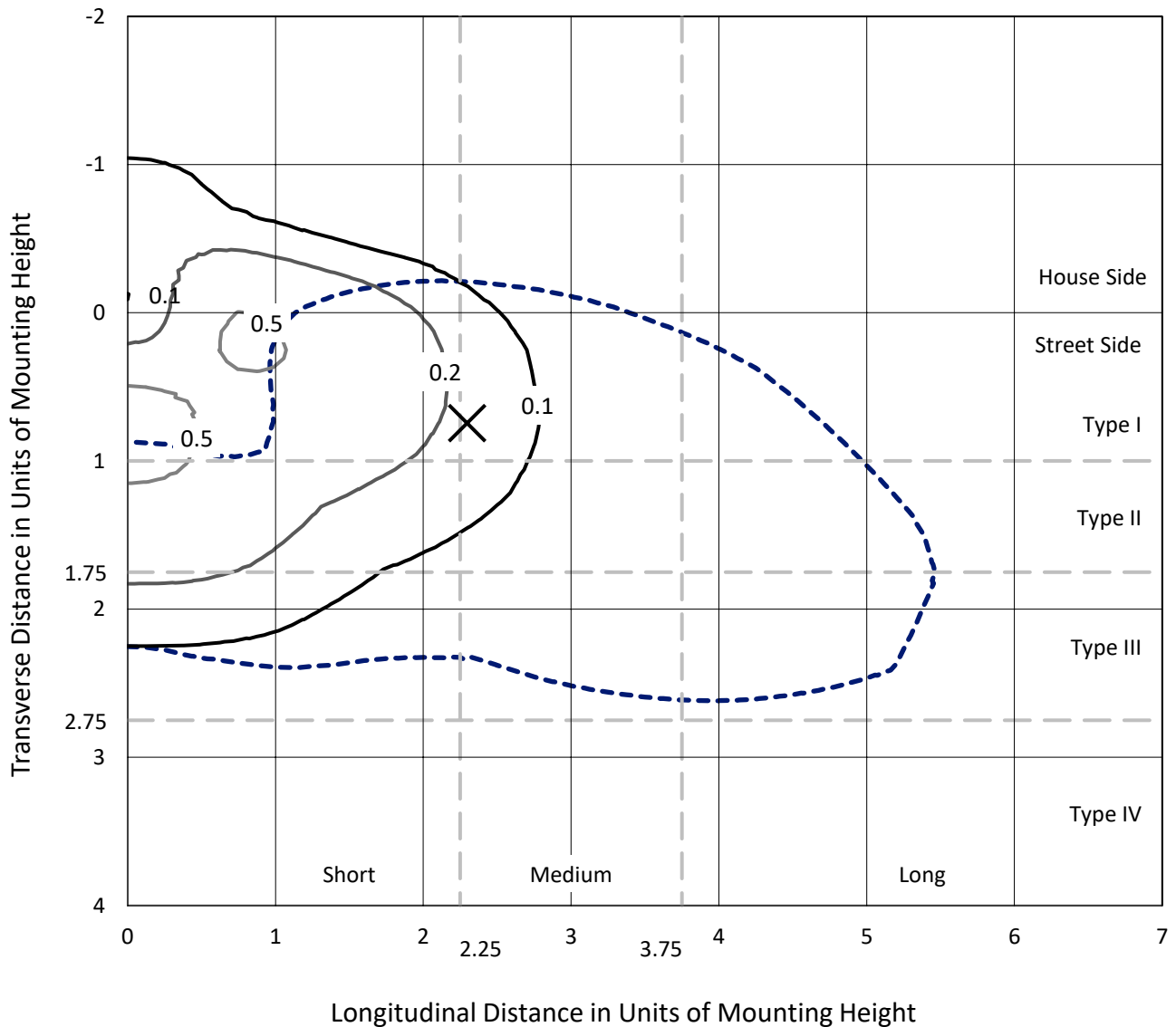
Input Watts (W): 29.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

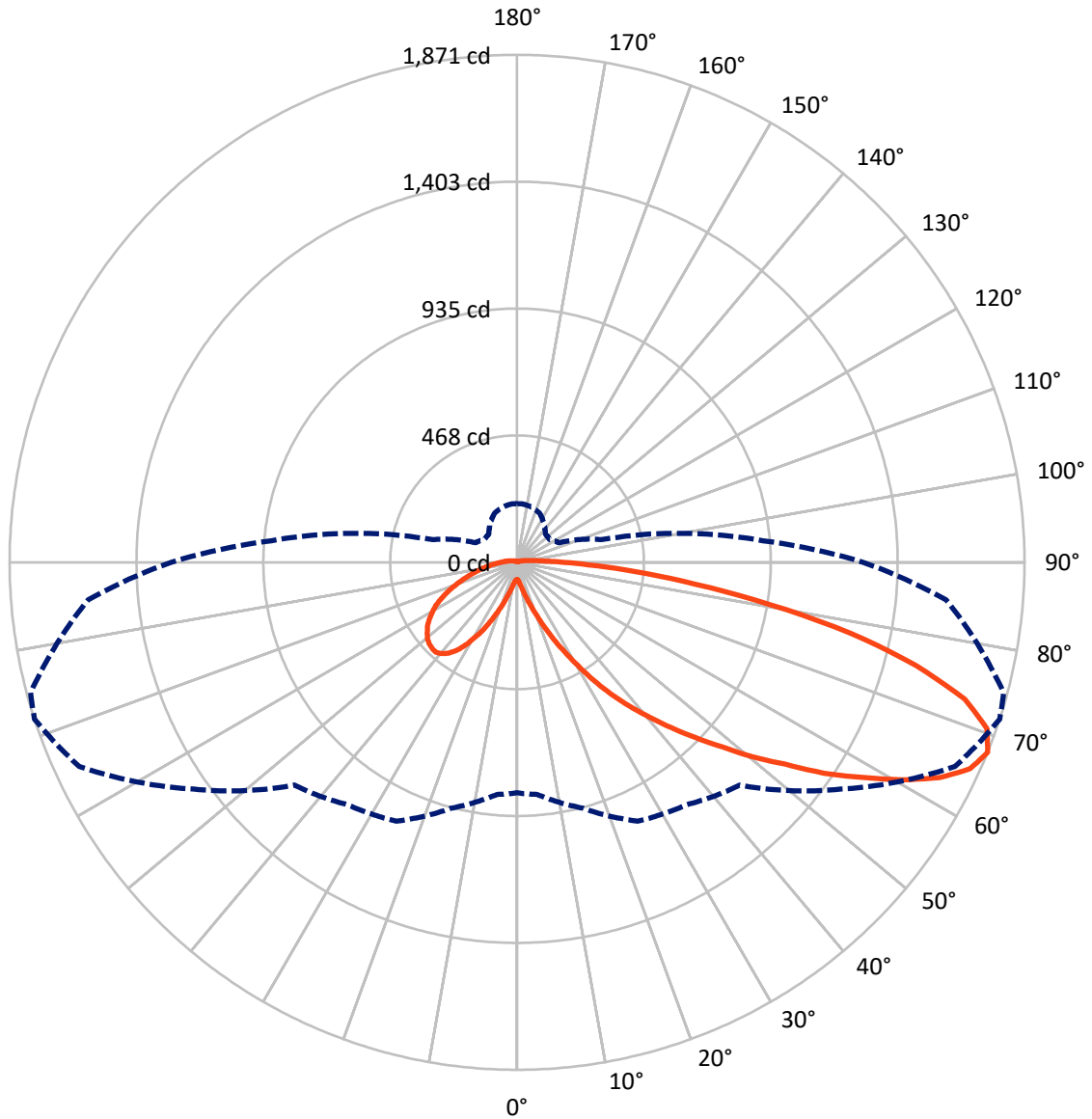
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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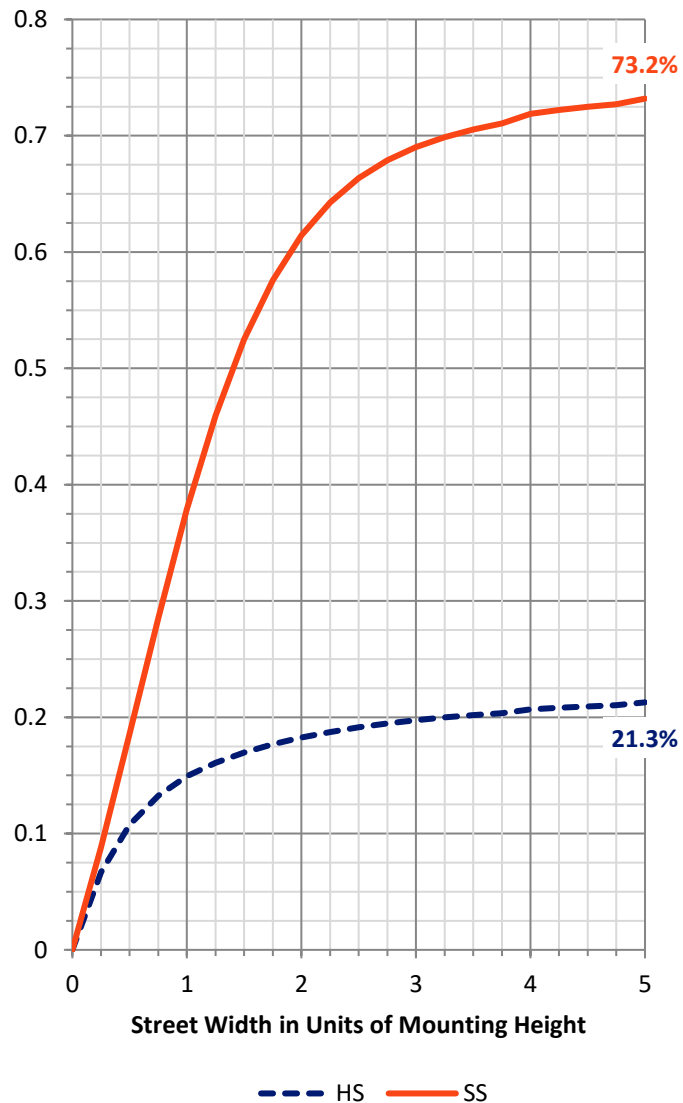
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	724.8	54.4	779.3
	% Fixture	22.3	1.7	24.0
<b>Street Side</b>	Lumens	2415.6	50.1	2465.7
	% Fixture	74.4	1.5	76.0
<b>Total</b>	Lumens	3140.4	104.6	3245.0
	% Fixture	96.8	3.2	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7.3	0.2
10°-20°	38.3	1.2
20°-30°	122.9	3.8
30°-40°	274.7	8.5
40°-50°	457.9	14.1
50°-60°	666.6	20.5
60°-70°	798.9	24.6
70°-80°	573.6	17.7
80°-90°	200.4	6.2
90°-100°	54.9	1.7
100°-110°	23.5	0.7
110°-120°	12.1	0.4
120°-130°	7.2	0.2
130°-140°	4.4	0.1
140°-150°	2.3	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3140.4	96.8
0°-180°	3245.0	100.0

**Coefficient of Utilization**

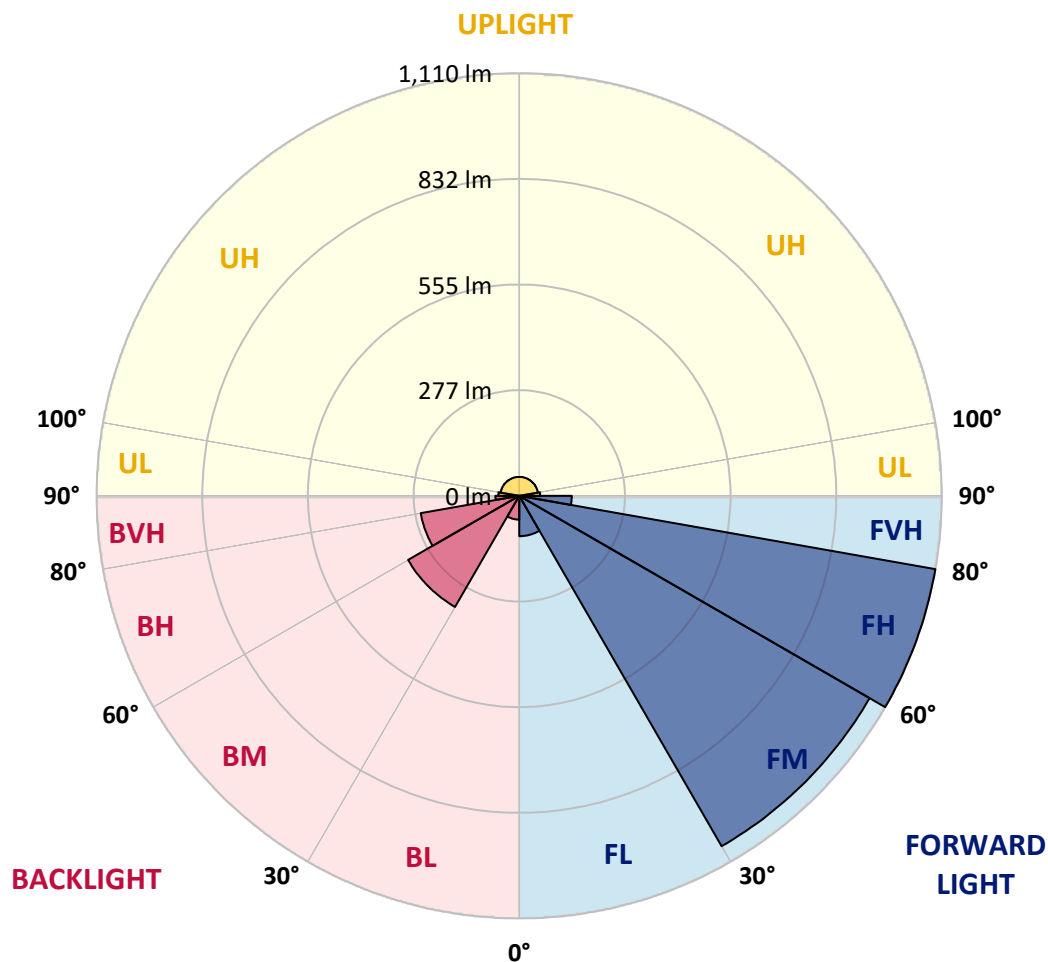


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	105.9	3.3			
FM (30°-60°)	1062.3	32.7			
FH (60°-80°)	1109.6	34.2			G1/1800
FVH (80°-90°)	137.8	4.2			G2/225
BL (0°-30°)	62.5	1.9	B0/110		
BM (30°-60°)	336.9	10.4	B1/1000		
BH (60°-80°)	262.8	8.1	B1/500		G1/500
BVH (80°-90°)	62.6	1.9			G1/100
UL (90°-100°)	54.9	1.7		U3/500	
UH (100°-180°)	49.7	1.5		U2/50	

**BUG Rating: B1-U3-G2**  
 Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
2.5°	67.4	67.4	67.4	68.5	67.4	67.4	67.4	66.2	66.2	66.2	65.0
5°	78.0	78.0	76.8	76.8	75.6	75.6	74.4	73.3	72.1	70.9	69.7
7.5°	91.0	91.0	89.8	89.8	88.6	86.3	85.1	82.7	81.5	80.4	79.2
10°	111.1	109.9	109.9	108.7	106.4	104.0	101.6	98.1	95.7	94.5	92.2
12.5°	137.1	135.9	134.7	130.0	127.6	124.1	120.5	118.2	115.8	113.4	109.9
15°	170.2	169.0	165.4	161.9	153.6	150.1	145.4	144.2	141.8	140.6	134.7
17.5°	210.3	206.8	204.4	196.2	187.9	179.6	177.3	174.9	173.7	172.5	169.0
20°	260.0	256.4	251.7	236.3	226.9	217.4	211.5	212.7	211.5	211.5	208.0
22.5°	320.3	321.4	308.4	288.3	267.1	255.3	252.9	256.4	258.8	261.2	254.1
25°	393.5	392.3	372.2	345.1	317.9	301.3	299.0	306.1	314.3	319.1	313.2
27.5°	475.1	469.2	449.1	408.9	374.6	349.8	351.0	366.3	374.6	378.2	373.4
30°	560.1	557.8	528.2	479.8	430.2	399.4	404.2	426.6	442.0	450.2	438.4
32.5°	652.3	645.2	611.0	554.2	489.2	451.4	462.1	494.0	518.8	520.0	514.1
35°	739.8	739.8	699.6	631.0	550.7	505.8	518.8	570.8	595.6	602.7	589.7
37.5°	826.0	820.1	785.9	700.8	612.1	559.0	576.7	638.1	672.4	679.5	663.0
40°	898.1	896.9	857.9	777.6	667.7	611.0	634.6	710.2	750.4	762.2	735.0
42.5°	971.4	966.7	935.9	844.9	733.9	664.1	696.0	788.2	833.1	840.2	811.9
45°	1025.7	1022.2	999.8	915.8	796.5	720.9	761.0	866.2	921.8	928.8	885.1
47.5°	1077.7	1077.7	1058.8	989.1	861.5	784.7	835.5	958.4	1016.3	1028.1	978.5
50°	1128.6	1123.8	1119.1	1058.8	927.7	855.6	908.8	1055.3	1127.4	1139.2	1070.7
52.5°	1158.1	1165.2	1171.1	1129.7	1002.1	922.9	997.4	1160.5	1236.1	1252.6	1178.2
55°	1185.3	1181.7	1208.9	1181.7	1065.9	997.4	1096.7	1281.0	1372.0	1377.9	1294.0
57.5°	1184.1	1187.6	1227.8	1230.2	1128.6	1065.9	1190.0	1400.4	1494.9	1515.0	1400.4
60°	1155.7	1165.2	1217.2	1242.0	1178.2	1127.4	1286.9	1525.6	1628.4	1648.5	1505.5
62.5°	1097.8	1101.4	1175.8	1230.2	1192.4	1174.6	1373.2	1641.4	1747.8	1746.6	1585.9
65°	989.1	995.0	1074.2	1162.8	1166.4	1186.5	1432.3	1736.0	1835.2	1828.2	1611.9
67.5°	849.7	859.1	938.3	1052.9	1090.7	1161.6	1457.1	1780.9	1870.7	1856.5	1587.1
70°	674.8	698.4	761.0	881.6	978.5	1082.5	1424.0	1769.1	1837.6	1818.7	1485.4
72.5°	496.3	507.0	573.1	691.3	810.7	965.5	1316.5	1671.0	1726.5	1681.6	1325.9
75°	348.6	352.2	407.7	509.3	638.1	805.9	1154.6	1480.7	1519.7	1476.0	1106.1
77.5°	215.1	222.2	265.9	349.8	469.2	642.9	939.5	1233.7	1258.6	1201.8	862.7
80°	132.4	137.1	167.8	231.6	326.2	469.2	726.8	937.1	945.4	906.4	616.9
82.5°	85.1	89.8	109.9	148.9	217.4	327.3	511.7	667.7	663.0	621.6	416.0
85°	55.5	59.1	72.1	99.3	144.2	225.7	341.5	443.2	432.5	401.8	270.6
87.5°	36.6	39.0	50.8	69.7	99.3	150.1	219.8	268.3	262.3	242.3	169.0
90°	24.8	26.0	35.5	48.5	69.7	102.8	141.8	161.9	151.3	143.0	109.9
92.5°	17.7	20.1	26.0	36.6	53.2	73.3	92.2	100.4	94.5	91.0	74.4
95°	14.2	14.2	21.3	29.5	41.4	55.5	65.0	65.0	61.5	60.3	54.4
97.5°	11.8	11.8	17.7	24.8	34.3	43.7	47.3	46.1	43.7	44.9	41.4
100°	9.5	10.6	15.4	21.3	28.4	35.5	36.6	34.3	33.1	33.1	31.9
102.5°	8.3	9.5	14.2	18.9	24.8	29.5	30.7	28.4	26.0	26.0	24.8
105°	8.3	8.3	11.8	16.5	21.3	24.8	24.8	22.5	21.3	20.1	18.9
107.5°	7.1	7.1	10.6	15.4	18.9	21.3	21.3	18.9	16.5	16.5	15.4
110°	5.9	7.1	9.5	13.0	16.5	18.9	18.9	16.5	14.2	13.0	13.0

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	5.9	5.9	8.3	11.8	14.2	16.5	15.4	13.0	11.8	10.6	10.6
115°	5.9	5.9	7.1	10.6	13.0	14.2	14.2	11.8	9.5	9.5	9.5
117.5°	5.9	5.9	7.1	9.5	11.8	13.0	11.8	10.6	8.3	8.3	8.3
120°	5.9	5.9	7.1	8.3	10.6	11.8	10.6	9.5	7.1	7.1	8.3
122.5°	4.7	5.9	5.9	8.3	9.5	10.6	9.5	8.3	7.1	7.1	7.1
125°	4.7	5.9	5.9	7.1	8.3	9.5	8.3	7.1	5.9	5.9	7.1
127.5°	4.7	4.7	5.9	7.1	8.3	8.3	8.3	7.1	5.9	5.9	7.1
130°	4.7	5.9	5.9	5.9	7.1	8.3	7.1	5.9	5.9	5.9	5.9
132.5°	4.7	4.7	5.9	5.9	7.1	7.1	5.9	5.9	4.7	4.7	5.9
135°	4.7	4.7	4.7	5.9	5.9	5.9	5.9	4.7	4.7	4.7	5.9
137.5°	4.7	4.7	4.7	4.7	5.9	5.9	4.7	4.7	4.7	4.7	4.7
140°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	3.5	4.7	4.7	4.7
142.5°	4.7	4.7	4.7	3.5	4.7	3.5	3.5	3.5	3.5	3.5	4.7
145°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
147.5°	3.5	3.5	3.5	3.5	3.5	3.5	2.4	2.4	3.5	3.5	3.5
150°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
2.5°	63.8	63.8	63.8	62.6	62.6	62.6	61.5	61.5	61.5	61.5	61.5
5°	69.7	68.5	67.4	66.2	63.8	63.8	62.6	62.6	61.5	61.5	61.5
7.5°	78.0	76.8	74.4	72.1	69.7	67.4	66.2	65.0	63.8	63.8	63.8
10°	89.8	88.6	83.9	80.4	76.8	74.4	72.1	70.9	69.7	68.5	68.5
12.5°	107.5	106.4	100.4	93.4	87.4	82.7	79.2	78.0	76.8	75.6	76.8
15°	132.4	130.0	121.7	109.9	101.6	93.4	89.8	88.6	89.8	89.8	88.6
17.5°	165.4	159.5	146.5	131.2	118.2	107.5	102.8	102.8	102.8	104.0	104.0
20°	203.3	197.4	178.4	157.2	135.9	122.9	117.0	117.0	118.2	119.4	121.7
22.5°	248.2	238.7	213.9	183.2	156.0	138.3	131.2	131.2	134.7	138.3	138.3
25°	303.7	291.9	255.3	210.3	176.1	153.6	144.2	145.4	151.3	154.8	156.0
27.5°	364.0	348.6	300.2	242.3	193.8	165.4	156.0	158.4	165.4	171.4	171.4
30°	432.5	406.5	341.5	269.4	209.2	174.9	165.4	170.2	178.4	185.5	186.7
32.5°	495.1	469.2	388.8	295.4	222.2	180.8	171.4	178.4	187.9	196.2	196.2
35°	564.9	531.8	427.8	315.5	229.3	184.4	174.9	184.4	195.0	202.1	202.1
37.5°	632.2	586.1	458.5	327.3	231.6	184.4	176.1	187.9	197.4	203.3	204.4
40°	693.7	639.3	481.0	330.9	229.3	182.0	176.1	187.9	197.4	200.9	202.1
42.5°	759.9	684.2	497.5	327.3	223.3	178.4	174.9	186.7	195.0	196.2	197.4
45°	826.0	733.9	502.2	315.5	215.1	173.7	171.4	183.2	190.3	190.3	190.3
47.5°	898.1	782.3	502.2	301.3	204.4	169.0	169.0	180.8	185.5	184.4	184.4
50°	973.8	828.4	498.7	284.8	195.0	164.3	165.4	178.4	183.2	179.6	179.6
52.5°	1052.9	878.0	486.9	264.7	184.4	159.5	164.3	177.3	182.0	178.4	178.4
55°	1148.7	926.5	473.9	245.8	174.9	156.0	163.1	177.3	182.0	178.4	178.4
57.5°	1216.0	969.0	453.8	228.1	167.8	153.6	163.1	179.6	184.4	182.0	182.0
60°	1294.0	997.4	427.8	210.3	160.7	151.3	165.4	182.0	189.1	189.1	189.1
62.5°	1336.5	1004.5	400.6	195.0	156.0	150.1	167.8	186.7	196.2	197.4	198.5
65°	1336.5	973.8	362.8	182.0	151.3	148.9	170.2	192.6	204.4	208.0	209.2
67.5°	1276.3	909.9	322.6	170.2	146.5	147.7	172.5	198.5	210.3	216.3	216.3
70°	1177.0	809.5	280.1	158.4	141.8	146.5	173.7	200.9	213.9	219.8	219.8
72.5°	1013.9	692.5	239.9	148.9	137.1	144.2	172.5	200.9	212.7	217.4	216.3
75°	821.3	553.1	200.9	138.3	131.2	138.3	166.6	195.0	204.4	206.8	206.8
77.5°	639.3	421.9	169.0	126.4	122.9	131.2	158.4	183.2	191.4	192.6	191.4
80°	455.0	304.9	141.8	115.8	113.4	120.5	144.2	165.4	172.5	173.7	171.4
82.5°	306.1	218.6	115.8	101.6	101.6	108.7	128.8	145.4	151.3	150.1	148.9
85°	198.5	147.7	94.5	87.4	88.6	95.7	109.9	122.9	126.4	125.3	121.7
87.5°	130.0	104.0	75.6	74.4	75.6	81.5	92.2	99.3	104.0	101.6	100.4
90°	88.6	74.4	61.5	61.5	63.8	68.5	75.6	79.2	80.4	80.4	79.2
92.5°	65.0	57.9	50.8	50.8	54.4	57.9	61.5	62.6	65.0	63.8	62.6
95°	49.6	47.3	42.5	42.5	46.1	49.6	50.8	49.6	52.0	52.0	50.8
97.5°	39.0	39.0	36.6	36.6	39.0	41.4	42.5	41.4	42.5	41.4	41.4
100°	30.7	30.7	31.9	31.9	33.1	35.5	35.5	35.5	35.5	34.3	33.1
102.5°	24.8	26.0	27.2	28.4	29.5	29.5	30.7	29.5	29.5	27.2	27.2
105°	20.1	20.1	22.5	23.6	24.8	26.0	26.0	26.0	24.8	22.5	22.5
107.5°	16.5	17.7	18.9	21.3	21.3	22.5	23.6	22.5	20.1	17.7	18.9
110°	13.0	14.2	16.5	17.7	18.9	20.1	20.1	18.9	16.5	15.4	15.4

REPORT NUMBER: P694814  
 CATALOG NUMBER: LXF.LXT-PA16-30-730-U-T3-TL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	11.8	11.8	14.2	15.4	16.5	17.7	17.7	16.5	14.2	13.0	13.0
115°	10.6	10.6	11.8	13.0	14.2	15.4	15.4	14.2	11.8	10.6	10.6
117.5°	9.5	9.5	10.6	11.8	13.0	14.2	13.0	13.0	10.6	9.5	9.5
120°	8.3	9.5	9.5	10.6	11.8	11.8	11.8	10.6	9.5	9.5	9.5
122.5°	8.3	8.3	9.5	9.5	10.6	10.6	10.6	9.5	8.3	8.3	8.3
125°	7.1	8.3	8.3	8.3	9.5	9.5	9.5	8.3	7.1	7.1	7.1
127.5°	7.1	7.1	7.1	8.3	8.3	8.3	8.3	7.1	7.1	7.1	7.1
130°	7.1	7.1	7.1	7.1	7.1	8.3	7.1	7.1	5.9	7.1	7.1
132.5°	5.9	5.9	5.9	7.1	7.1	7.1	7.1	5.9	5.9	5.9	5.9
135°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
137.5°	5.9	5.9	5.9	5.9	5.9	5.9	4.7	4.7	4.7	5.9	5.9
140°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
142.5°	4.7	4.7	4.7	3.5	3.5	3.5	3.5	3.5	3.5	4.7	4.7
145°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
147.5°	3.5	3.5	3.5	2.4	2.4	2.4	2.4	3.5	3.5	3.5	3.5
150°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	3.5	3.5	3.5
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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

(END OF REPORT)