

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: P414847

Luminaire Tested: **LXF.LXT-PA1-30-827-U-T3-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414847
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-12)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-30-827-U-T3-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 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: 2804 lumens
Efficiency: N/A
Efficacy: 90.5 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 - U2 - G1

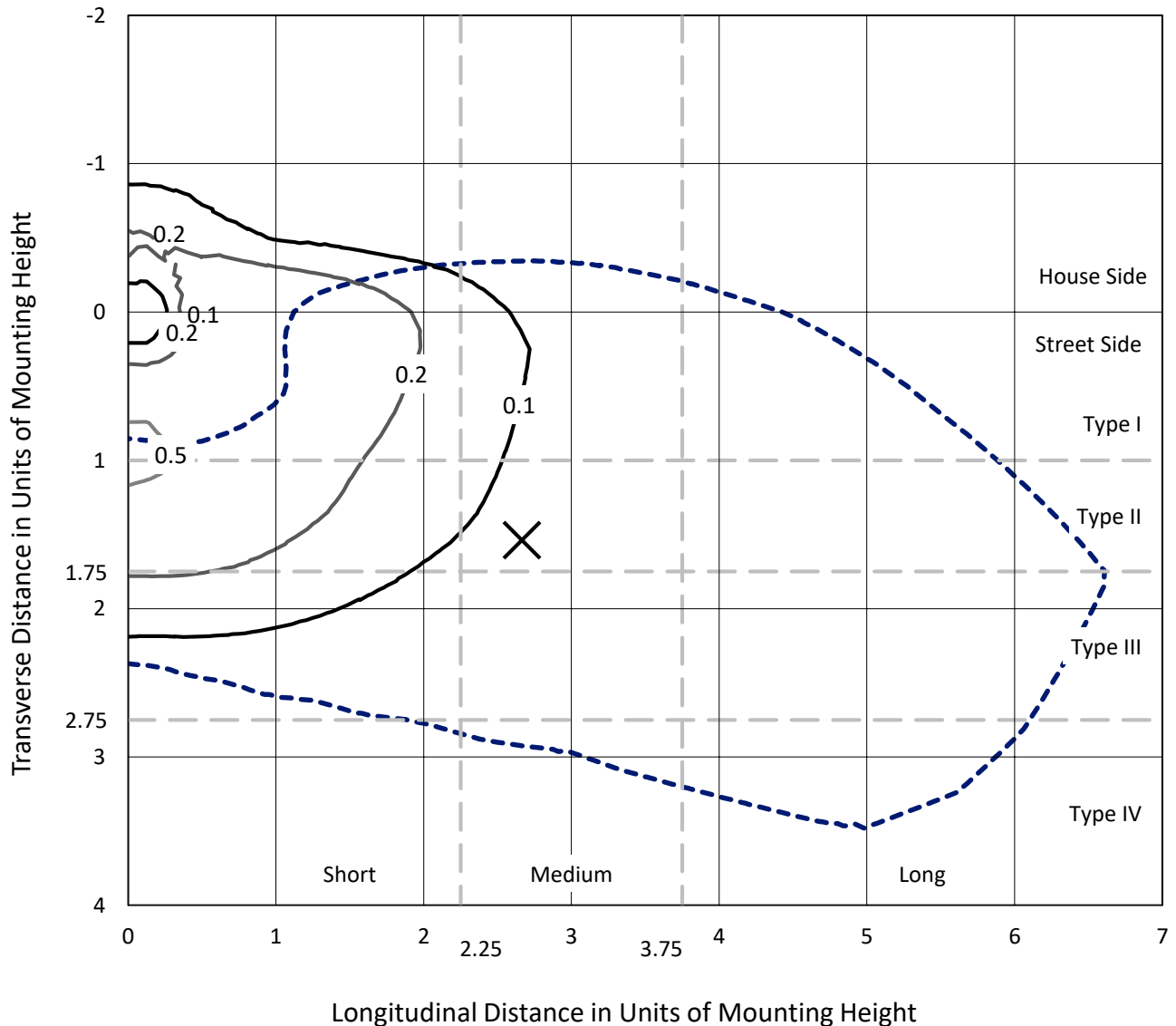
Input Watts (W): 31
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

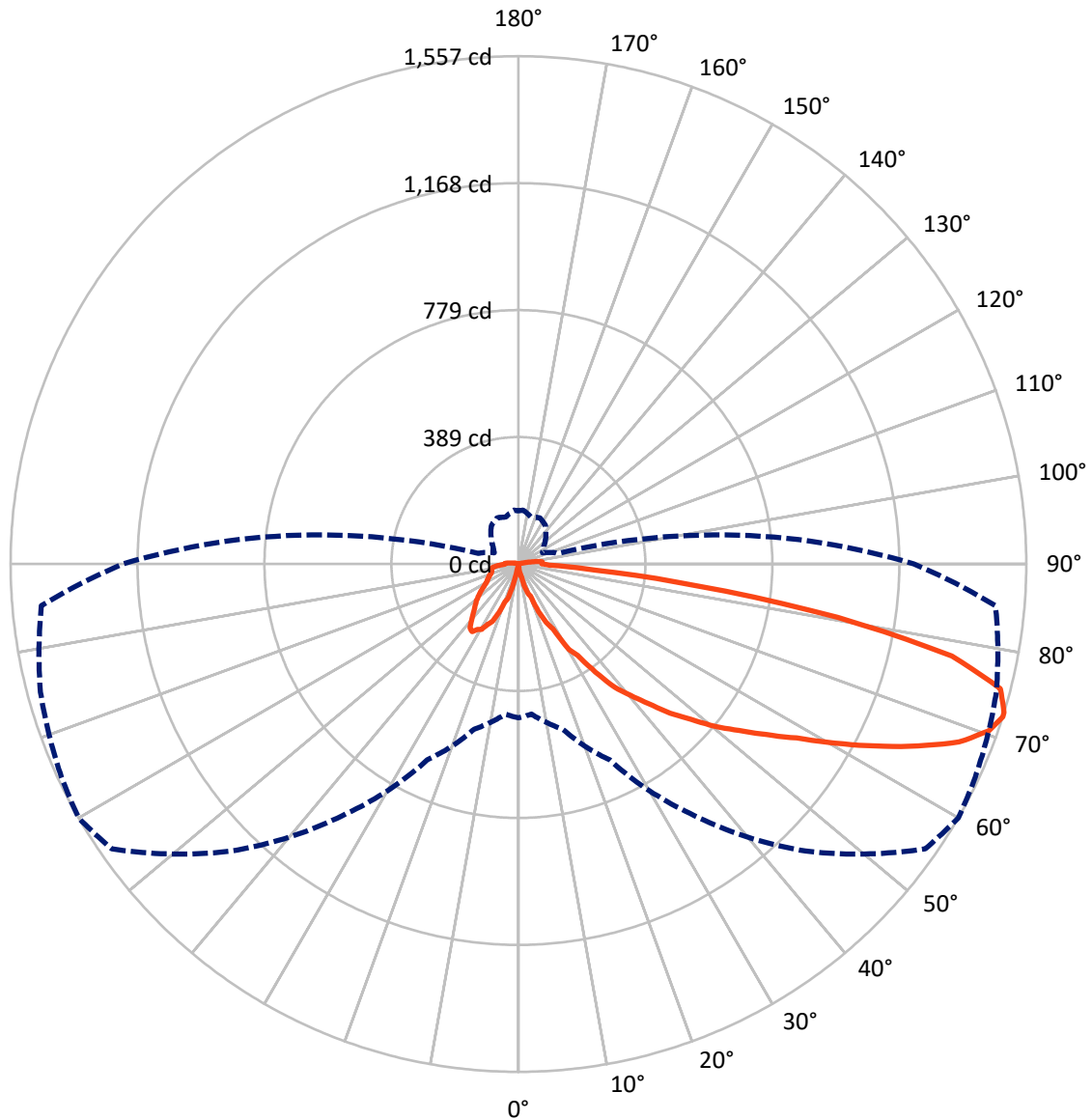
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical

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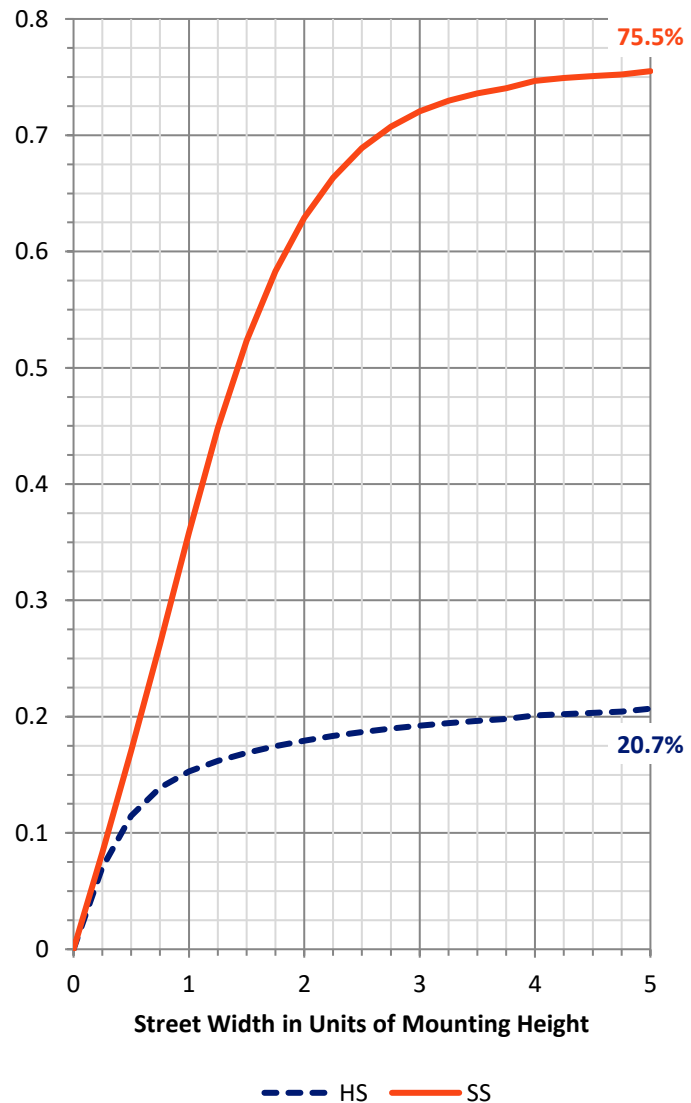
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	612.8	29.9	642.8
	% Fixture	21.9	1.1	22.9
Street Side	Lumens	2135.0	26.3	2161.3
	% Fixture	76.1	0.9	77.1
Total	Lumens	2747.8	56.2	2804.0
	% Fixture	98.0	2.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.5	0.1
10°-20°	22.9	0.8
20°-30°	95.6	3.4
30°-40°	220.8	7.9
40°-50°	387.8	13.8
50°-60°	586.1	20.9
60°-70°	722.7	25.8
70°-80°	557.9	19.9
80°-90°	152.4	5.4
90°-100°	41.4	1.5
100°-110°	7.2	0.3
110°-120°	2.8	0.1
120°-130°	2.0	0.1
130°-140°	1.3	0.0
140°-150°	1.1	0.0
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2747.8	98.0
0°-180°	2804.0	100.0

Coefficient of Utilization



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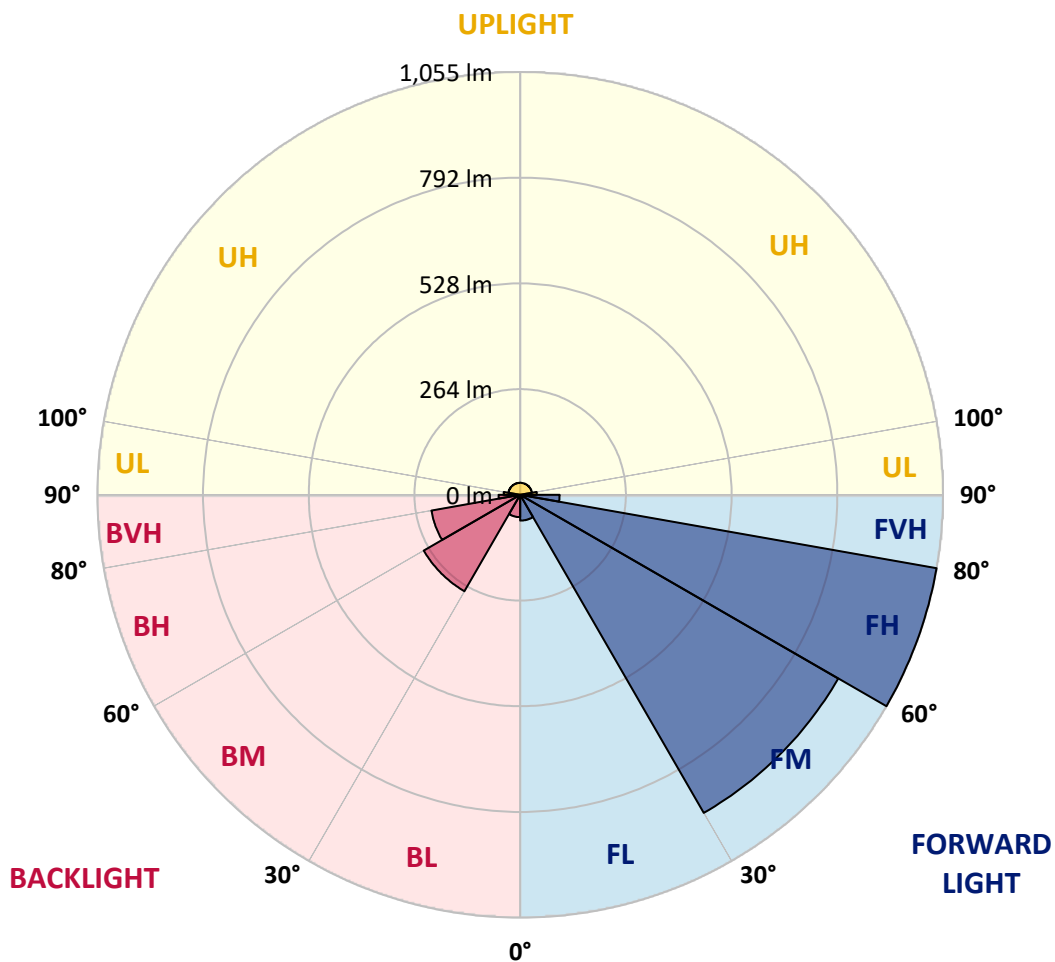
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	64.4	2.3			
FM	(30°-60°)	916.8	32.7			
FH	(60°-80°)	1055.4	37.6			G1/1800
FVH	(80°-90°)	98.4	3.5			G1/100
BL	(0°-30°)	55.7	2.0	B0/110		
BM	(30°-60°)	278.0	9.9	B1/1000		
BH	(60°-80°)	225.2	8.0	B1/500		G1/500
BVH	(80°-90°)	54.0	1.9			G1/100
UL	(90°-100°)	41.4	1.5		U2/50	
UH	(100°-180°)	29.9	1.1		U2/50	

BUG Rating: B1-U2-G1

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
2.5°	3.7	3.4	3.1	3.1	3.4	3.1	2.8	2.5	2.2	2.2	1.9
5°	34.8	33.9	33.6	27.0	12.4	9.6	4.4	3.4	2.8	2.2	1.9
7.5°	38.5	38.2	37.9	37.9	37.3	35.4	20.2	9.9	5.6	2.8	2.5
10°	44.1	43.5	41.7	40.7	39.8	39.2	36.4	34.5	15.5	4.7	4.0
12.5°	78.6	77.4	75.5	56.0	47.9	42.3	41.3	39.8	34.5	14.3	28.9
15°	84.5	84.2	83.0	82.1	79.6	52.8	64.0	73.0	82.7	67.5	75.2
17.5°	106.3	103.2	95.1	90.5	88.9	97.0	92.6	94.2	94.2	90.8	86.1
20°	158.8	156.7	152.6	134.6	101.3	125.0	122.5	104.1	107.2	132.7	154.2
22.5°	191.5	189.3	180.9	169.4	167.2	138.9	144.5	157.9	161.6	186.2	185.9
25°	259.9	255.8	237.8	203.9	208.3	179.4	201.7	198.6	189.0	205.2	210.7
27.5°	317.4	313.9	305.2	288.1	241.5	250.8	229.4	225.4	251.2	296.5	295.6
30°	380.8	362.1	338.8	333.5	299.0	284.4	290.0	303.4	313.0	317.4	328.2
32.5°	461.9	459.7	442.3	373.6	362.7	325.1	351.9	333.5	341.0	403.8	441.1
35°	518.2	523.8	493.0	452.0	400.4	399.4	388.2	406.6	442.3	451.0	476.8
37.5°	649.3	650.9	623.2	506.0	472.5	440.1	475.0	479.9	489.9	504.8	526.6
40°	748.2	734.2	700.0	613.0	539.9	504.8	529.7	529.0	550.8	578.2	591.8
42.5°	870.0	854.5	793.3	694.7	626.3	587.5	590.0	584.7	602.7	645.9	654.3
45°	972.3	965.5	918.2	814.4	721.8	675.1	658.4	651.8	660.8	715.2	719.9
47.5°	1069.0	1050.6	1019.9	914.8	860.4	775.5	727.4	711.8	714.6	776.5	790.2
50°	1171.2	1140.5	1102.5	1010.2	970.7	901.7	806.6	782.4	783.3	840.5	863.8
52.5°	1231.9	1183.0	1158.5	1082.0	1042.2	1007.7	889.6	847.7	852.0	906.1	941.5
55°	1194.2	1179.6	1180.3	1134.6	1105.0	1064.6	970.1	923.2	928.2	991.6	1036.0
57.5°	1130.8	1142.0	1181.5	1179.6	1163.2	1123.7	1050.3	1006.5	1035.1	1088.2	1135.2
60°	1082.0	1094.8	1158.8	1191.8	1222.5	1193.6	1133.3	1114.4	1141.1	1187.4	1243.7
62.5°	1000.6	1010.8	1098.8	1185.8	1221.0	1253.3	1212.3	1229.4	1253.9	1293.1	1361.5
65°	889.3	886.8	996.2	1131.8	1210.7	1286.6	1313.9	1345.3	1367.7	1409.7	1471.8
67.5°	757.8	770.3	862.3	1015.2	1170.6	1303.3	1399.4	1456.9	1470.9	1487.0	1531.8
70°	618.9	618.3	698.8	861.3	1084.5	1294.0	1480.5	1530.3	1530.6	1520.9	1534.3
72°	471.9	461.9	524.1	662.7	941.8	1244.0	1522.2	1557.0	1545.5	1516.9	1468.1
72.5°	405.0	414.0	472.5	624.2	877.8	1219.1	1526.5	1556.7	1544.2	1512.8	1448.2
75°	205.5	192.4	225.7	334.5	605.5	985.0	1495.1	1526.2	1491.4	1452.2	1269.8
77.5°	80.5	82.7	95.7	144.5	294.7	648.7	1290.6	1358.4	1336.0	1308.3	1001.5
80°	56.6	56.6	64.0	82.4	151.1	263.6	894.3	992.8	1027.3	1041.0	669.9
82.5°	41.0	41.7	48.8	57.5	107.9	126.5	439.2	551.7	606.1	657.1	374.6
85°	38.2	38.2	39.2	38.5	77.1	90.1	159.8	235.6	272.3	319.2	151.4
87.5°	18.0	19.6	28.9	23.0	37.9	55.6	87.0	94.5	96.7	109.7	108.8
90°	11.8	11.8	9.6	9.9	18.7	45.1	69.9	71.5	68.7	80.5	101.3
92.5°	12.1	12.4	9.0	9.3	14.6	41.3	71.8	73.0	70.9	84.5	107.5
95°	11.2	11.2	7.8	8.1	11.5	31.7	71.8	73.0	66.8	84.2	107.5
97.5°	9.3	9.6	6.2	6.5	9.0	15.5	49.7	53.5	42.6	42.9	52.5
100°	8.1	8.1	5.0	5.3	6.5	7.1	25.2	26.4	23.6	10.6	7.1
102.5°	8.1	8.1	4.4	4.4	4.4	4.0	7.8	13.1	10.9	6.2	6.8
105°	7.8	8.1	4.0	3.4	3.4	3.1	4.0	5.0	5.0	5.0	7.1
107.5°	6.2	6.5	3.1	3.1	2.8	2.8	2.2	2.2	3.1	4.7	7.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	5.0	5.0	2.5	2.8	2.2	2.5	1.9	1.9	2.8	3.4	5.9
112.5°	2.8	2.8	1.9	2.2	1.9	2.2	1.9	1.9	2.2	2.8	3.7
115°	2.5	2.5	1.6	1.6	1.6	1.6	1.6	1.6	1.9	2.5	4.0
117.5°	2.5	2.5	1.6	1.6	1.6	1.2	1.2	1.6	1.6	2.5	4.0
120°	2.5	2.5	1.6	1.6	1.2	1.2	1.2	1.6	1.6	2.5	4.0
122.5°	2.8	2.5	1.6	1.2	1.2	1.2	1.2	1.2	1.6	2.2	4.0
125°	2.8	2.5	1.9	1.2	1.2	1.2	1.2	1.2	1.6	2.2	3.4
127.5°	2.8	2.8	1.9	1.2	1.2	1.2	1.2	1.2	1.2	1.9	3.1
130°	2.8	2.5	1.9	1.2	1.2	1.2	1.2	1.2	1.2	1.9	2.8
132.5°	2.5	2.5	1.9	1.2	1.6	1.2	1.2	1.2	1.2	1.6	2.2
135°	2.2	2.2	1.6	1.6	1.6	1.2	1.2	1.2	1.2	1.2	1.9
137.5°	2.2	2.2	1.9	1.6	1.6	1.6	1.2	1.2	1.2	1.2	1.6
140°	2.2	2.2	1.9	1.9	1.9	1.6	1.2	1.2	1.2	1.6	1.6
142.5°	2.5	2.5	2.2	1.9	1.9	1.6	1.2	1.2	1.6	1.6	1.6
145°	2.8	2.8	2.5	2.2	1.9	1.2	1.2	1.6	1.6	1.6	1.9
147.5°	2.8	2.8	2.5	1.9	1.6	1.2	1.2	1.6	1.6	1.9	1.9
150°	2.5	2.5	2.2	1.6	1.2	0.9	1.2	1.2	1.6	1.9	1.9
152.5°	1.9	1.9	1.6	1.2	0.9	0.6	0.9	1.2	1.2	1.6	1.9
155°	1.2	1.2	0.9	0.6	0.6	0.6	0.9	0.9	0.9	1.2	1.6
157.5°	0.6	0.6	0.3	0.3	0.6	0.6	0.6	0.9	0.9	0.9	1.2
160°	0.3	0.3	0.3	0.3	0.6	0.6	0.6	0.9	0.9	0.9	0.9
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°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
2.5°	1.9	1.9	1.9	1.9	1.9	1.9	2.2	2.2	2.2	2.5	2.8
5°	1.9	1.9	1.9	1.9	2.2	2.5	2.8	3.1	3.4	3.7	3.7
7.5°	2.2	2.2	2.2	2.5	2.8	3.4	7.8	27.4	37.3	40.7	39.8
10°	4.0	4.0	3.7	3.7	4.4	36.4	46.3	50.4	52.5	55.0	55.0
12.5°	32.3	37.3	13.4	7.5	36.1	51.0	54.7	57.5	59.4	61.9	61.9
15°	78.0	79.3	81.4	73.4	70.9	57.8	60.3	81.8	107.5	114.4	115.0
17.5°	87.7	89.2	90.8	107.5	114.4	88.6	102.0	114.7	117.2	119.7	119.7
20°	167.2	169.7	137.7	123.4	120.6	150.1	115.3	118.4	122.8	144.9	147.0
22.5°	189.6	191.2	179.0	186.8	136.8	157.0	151.7	151.7	169.7	171.0	171.3
25°	212.6	221.3	198.3	192.1	194.6	158.8	179.0	161.6	164.1	166.0	166.3
27.5°	310.2	309.0	290.3	219.8	195.2	192.4	173.8	159.5	186.5	193.7	194.0
30°	329.8	326.7	309.9	257.4	202.7	190.5	163.8	184.3	179.4	180.3	180.6
32.5°	453.5	448.5	401.0	260.5	211.7	175.9	177.8	171.6	172.2	191.5	192.1
35°	484.6	477.8	410.9	301.2	201.7	178.4	164.4	172.2	175.3	174.4	174.4
37.5°	526.2	513.2	407.8	283.2	209.8	166.9	157.3	162.6	160.7	172.5	171.9
40°	571.6	553.3	409.4	262.7	190.2	156.7	150.8	155.4	154.2	150.8	148.3
42.5°	629.4	597.7	409.1	245.6	172.2	153.2	142.4	142.1	136.8	131.2	129.3
45°	688.5	644.7	410.3	226.0	158.5	150.4	137.7	130.2	125.6	119.7	118.1
47.5°	753.2	694.7	414.0	210.4	148.0	142.1	131.8	122.8	119.4	111.9	111.3
50°	829.6	747.3	415.3	198.0	135.5	134.6	127.4	117.5	112.2	104.8	104.1
52.5°	912.0	802.9	417.5	179.7	125.9	131.8	129.9	116.3	114.1	104.4	103.8
55°	990.0	855.7	416.8	157.6	121.5	129.3	129.9	124.3	120.9	105.1	103.8
57.5°	1083.9	912.9	407.5	137.1	114.7	125.6	136.1	131.5	127.8	114.7	112.2
60°	1167.8	972.0	379.8	121.2	108.8	121.5	141.4	136.8	126.2	117.8	115.3
62.5°	1266.0	1023.0	341.3	109.7	106.6	122.8	143.3	140.2	127.1	124.3	123.4
65°	1332.6	1042.2	282.9	100.4	106.3	122.8	142.7	143.3	134.0	136.8	136.5
67.5°	1340.6	1017.4	214.5	93.3	102.6	122.8	141.7	149.5	140.2	151.7	152.3
70°	1301.8	955.2	156.4	86.1	98.5	121.2	142.1	153.6	144.9	162.9	161.6
72°	1212.3	861.0	126.5	81.4	95.1	118.7	144.2	155.7	148.9	165.7	162.9
72.5°	1189.0	832.1	120.9	80.8	94.5	118.4	144.9	156.4	149.2	168.5	165.1
75°	995.0	662.7	103.8	76.2	95.4	116.9	148.0	156.0	151.1	170.3	171.0
77.5°	753.8	446.7	92.0	72.1	95.1	114.1	147.0	153.6	148.3	163.8	167.2
80°	466.6	259.9	81.8	71.8	94.5	112.8	143.0	147.0	140.5	152.9	153.9
82.5°	255.2	152.0	70.9	70.6	91.7	109.4	135.2	139.6	133.3	147.0	137.4
85°	130.6	103.2	53.2	57.8	80.2	102.9	126.2	125.9	119.7	124.6	117.8
87.5°	100.7	81.1	34.5	41.7	65.6	84.9	103.8	102.9	94.8	95.4	92.6
90°	92.6	72.4	22.7	29.5	54.7	60.9	72.1	69.3	63.7	65.0	64.0
92.5°	93.3	71.5	21.8	31.4	52.5	54.7	66.2	62.8	57.2	57.8	56.0
95°	91.1	68.7	21.8	27.7	43.5	38.9	47.6	46.3	41.7	39.5	38.5
97.5°	43.5	34.2	20.2	20.5	24.6	21.1	28.9	31.1	24.9	19.9	19.9
100°	7.5	11.5	17.7	20.8	17.7	13.4	18.3	21.1	14.3	6.5	7.1
102.5°	7.5	7.1	13.7	17.7	12.7	7.1	10.6	14.0	9.0	5.0	5.3
105°	8.1	7.5	6.5	12.1	7.5	3.7	4.0	7.1	5.0	5.0	5.0
107.5°	8.7	8.1	4.7	4.7	3.7	3.4	3.1	2.8	3.4	5.0	5.3



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CATALOG NUMBER: LXF.LXT-PA1-30-827-U-T3-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	6.5	6.5	4.4	3.7	3.4	3.4	2.5	2.5	3.4	5.3	5.3
112.5°	4.7	4.7	3.7	3.1	2.8	3.4	2.5	2.5	3.1	5.3	5.6
115°	4.7	4.7	3.4	2.8	2.5	2.8	2.5	2.2	3.1	5.3	5.6
117.5°	4.7	4.7	3.4	2.5	2.2	2.2	1.9	2.2	3.1	5.3	5.6
120°	4.7	4.7	3.4	2.5	2.2	1.9	1.9	1.9	3.1	5.3	5.6
122.5°	4.4	4.4	3.1	2.2	1.9	1.6	1.6	1.9	2.8	5.0	5.3
125°	4.0	4.0	2.8	2.2	1.9	1.6	1.6	1.6	2.8	4.7	5.0
127.5°	3.7	3.7	2.8	1.9	1.6	1.6	1.6	1.6	2.5	4.4	4.7
130°	3.1	3.1	2.5	1.9	1.6	1.2	1.6	1.6	2.5	4.0	4.0
132.5°	2.5	2.5	1.9	1.6	1.6	1.2	1.2	1.6	2.2	3.4	3.7
135°	1.9	1.9	1.9	1.6	1.6	1.2	1.2	1.2	1.9	2.8	3.1
137.5°	1.6	1.9	1.6	1.6	1.6	1.2	1.2	1.2	1.9	2.5	2.5
140°	1.6	1.6	1.6	1.6	1.6	1.2	1.2	1.2	1.9	2.2	2.5
142.5°	1.6	1.9	1.6	1.6	1.6	1.2	1.2	1.6	1.9	2.5	2.5
145°	1.9	1.9	1.9	1.6	1.6	0.9	0.9	1.6	1.9	2.5	2.5
147.5°	1.9	1.9	1.9	1.6	1.2	0.9	0.9	1.2	1.9	2.5	2.5
150°	1.9	1.9	1.9	1.6	1.2	0.6	0.6	1.2	1.6	2.2	2.5
152.5°	1.9	1.9	1.6	1.6	0.9	0.6	0.3	0.9	1.2	1.9	1.9
155°	1.6	1.6	1.6	1.2	0.9	0.3	0.0	0.3	0.9	1.6	1.6
157.5°	1.2	1.2	1.2	0.9	0.6	0.3	0.0	0.3	0.3	0.9	0.9
160°	0.9	0.9	0.9	0.9	0.6	0.3	0.0	0.0	0.3	0.6	0.6
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)