

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: P414275

Luminaire Tested: **LXF.LXT-PA1-20-740-U-T3-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414275
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-PA1-20-740-U-T3-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 260mA 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: 2719 lumens
Efficiency: N/A
Efficacy: 129.5 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

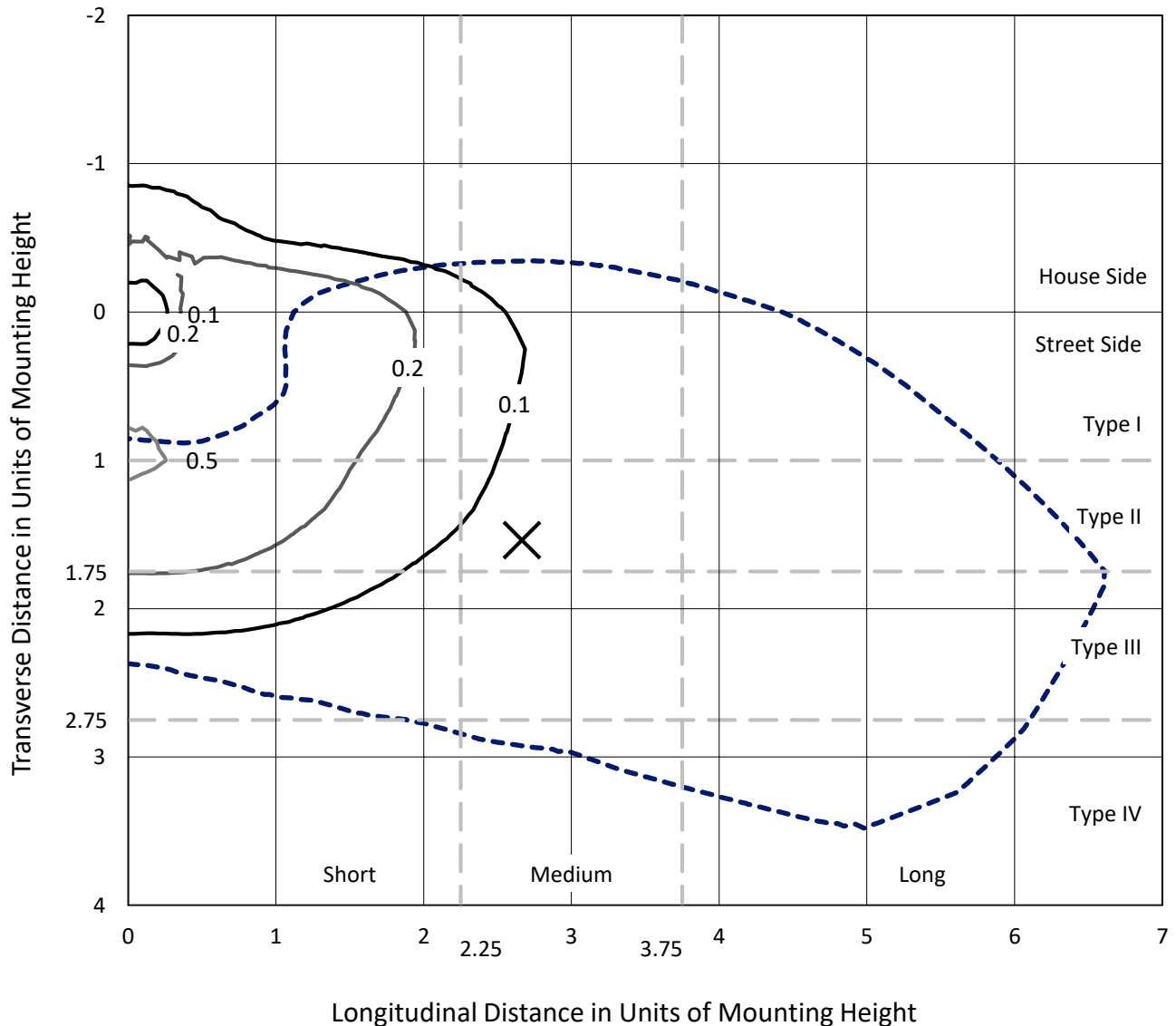
Input Watts (W): 21
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

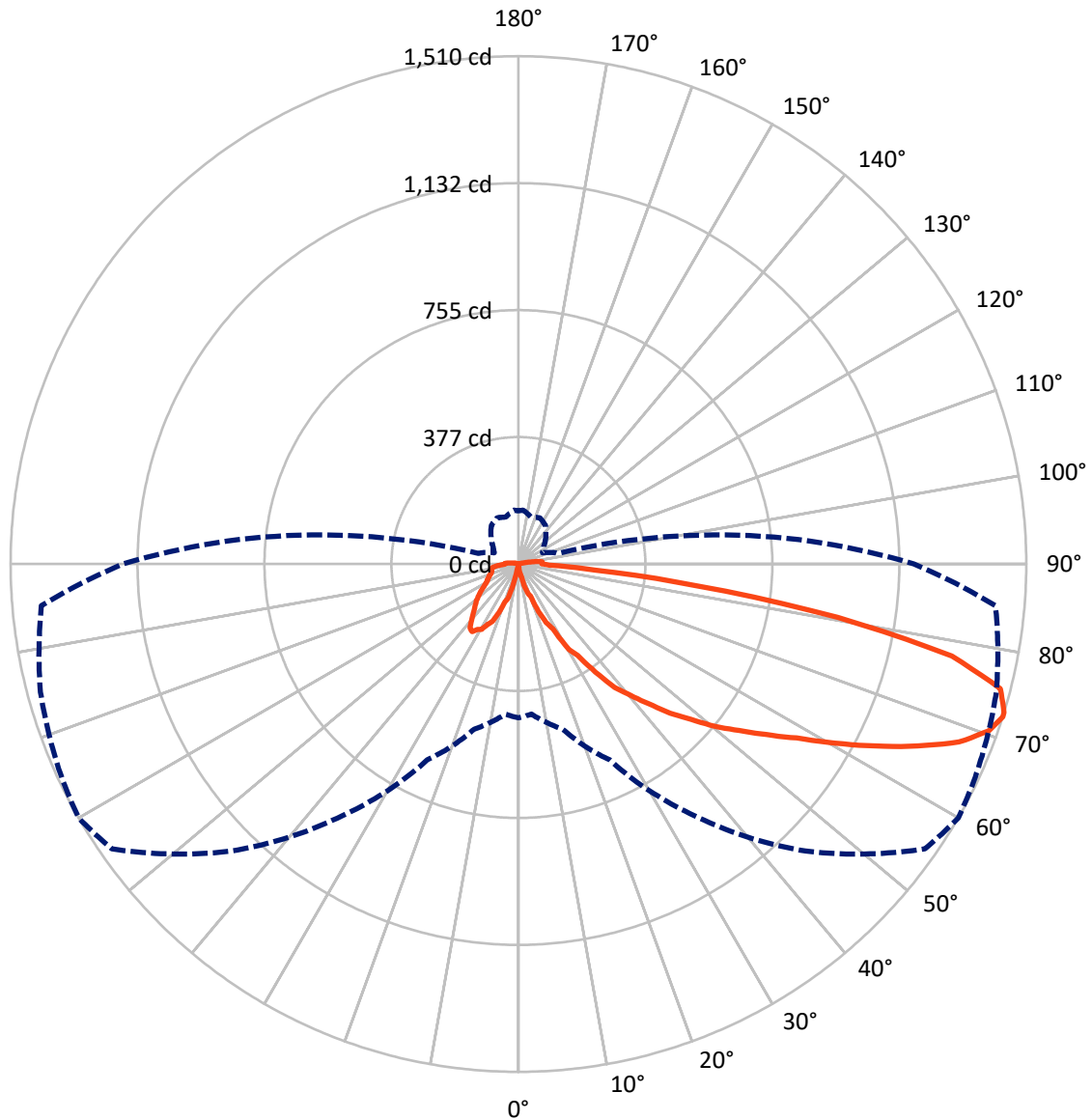
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 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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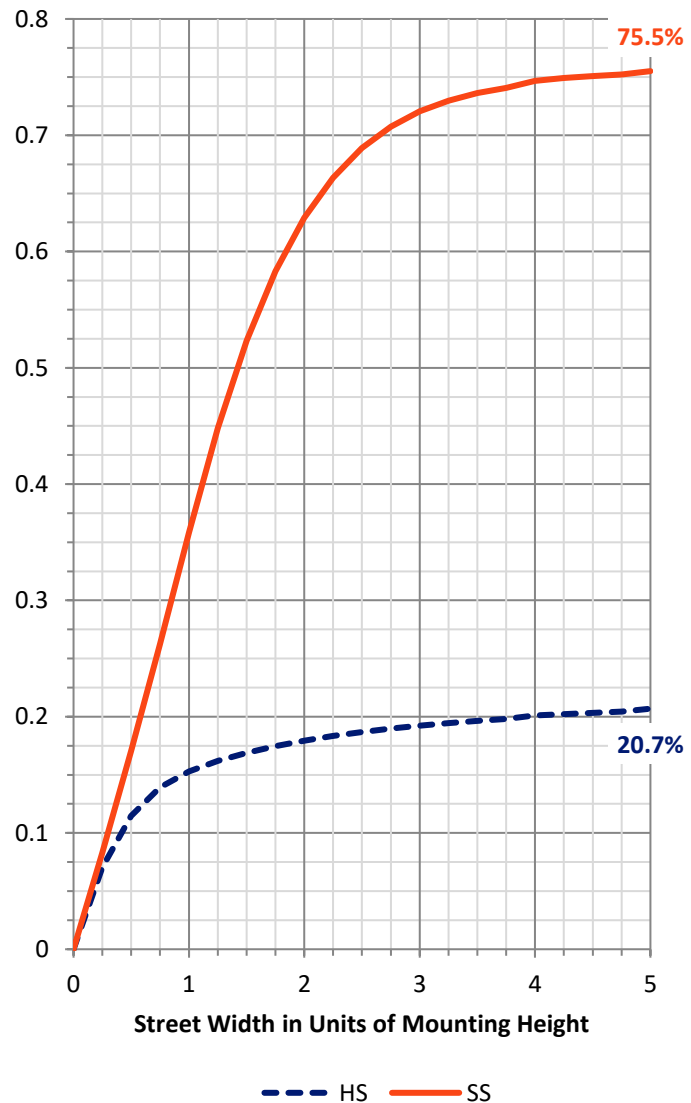
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	594.3	29.0	623.2
	% Fixture	21.9	1.1	22.9
Street Side	Lumens	2070.3	25.4	2095.7
	% Fixture	76.1	0.9	77.1
Total	Lumens	2664.5	54.4	2719.0
	% Fixture	98.0	2.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.5	0.1
10°-20°	22.2	0.8
20°-30°	92.7	3.4
30°-40°	214.1	7.9
40°-50°	376.0	13.8
50°-60°	568.3	20.9
60°-70°	700.8	25.8
70°-80°	541.0	19.9
80°-90°	147.8	5.4
90°-100°	40.1	1.5
100°-110°	6.9	0.3
110°-120°	2.7	0.1
120°-130°	1.9	0.1
130°-140°	1.3	0.0
140°-150°	1.0	0.0
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2664.5	98.0
0°-180°	2719.0	100.0



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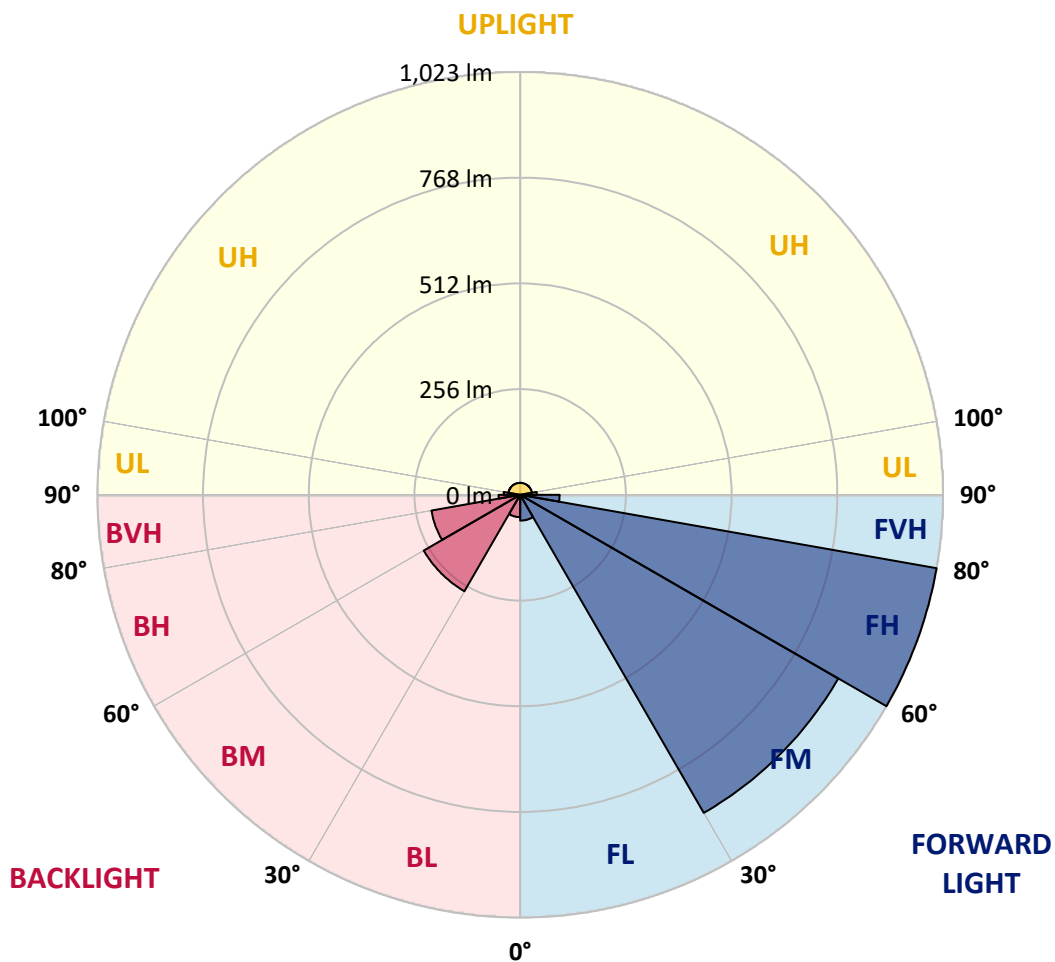
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	62.4	2.3			
FM	(30°-60°)	889.0	32.7			
FH	(60°-80°)	1023.4	37.6			G1/1800
FVH	(80°-90°)	95.5	3.5			G1/100
BL	(0°-30°)	54.0	2.0	B0/110		
BM	(30°-60°)	269.5	9.9	B1/1000		
BH	(60°-80°)	218.4	8.0	B1/500		G1/500
BVH	(80°-90°)	52.4	1.9			G1/100
UL	(90°-100°)	40.1	1.5		U2/50	
UH	(100°-180°)	29.0	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°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
2.5°	3.6	3.3	3.0	3.0	3.3	3.0	2.7	2.4	2.1	2.1	1.8
5°	33.8	32.9	32.6	26.2	12.1	9.3	4.2	3.3	2.7	2.1	1.8
7.5°	37.4	37.1	36.8	36.8	36.2	34.4	19.6	9.6	5.4	2.7	2.4
10°	42.8	42.2	40.4	39.5	38.6	38.0	35.3	33.5	15.1	4.5	3.9
12.5°	76.3	75.1	73.2	54.3	46.4	41.0	40.1	38.6	33.5	13.9	28.0
15°	82.0	81.7	80.5	79.6	77.2	51.2	62.1	70.8	80.2	65.4	72.9
17.5°	103.1	100.1	92.2	87.7	86.2	94.0	89.8	91.3	91.3	88.0	83.5
20°	154.0	151.9	148.0	130.5	98.3	121.2	118.8	101.0	104.0	128.7	149.5
22.5°	185.7	183.6	175.4	164.3	162.2	134.7	140.2	153.1	156.7	180.5	180.2
25°	252.0	248.1	230.6	197.7	201.9	173.9	195.6	192.6	183.3	198.9	204.4
27.5°	307.7	304.4	296.0	279.4	234.2	243.2	222.4	218.5	243.5	287.6	286.6
30°	369.2	351.1	328.5	323.4	290.0	275.8	281.2	294.2	303.5	307.7	318.3
32.5°	447.9	445.8	428.9	362.3	351.8	315.3	341.2	323.4	330.7	391.5	427.7
35°	502.5	507.9	478.0	438.3	388.2	387.3	376.5	394.3	428.9	437.4	462.4
37.5°	629.7	631.2	604.3	490.7	458.2	426.8	460.6	465.4	475.0	489.5	510.6
40°	725.5	711.9	678.8	594.4	523.6	489.5	513.6	513.0	534.1	560.6	573.9
42.5°	843.7	828.6	769.2	673.7	607.4	569.7	572.1	567.0	584.4	626.3	634.5
45°	942.8	936.2	890.4	789.7	699.9	654.7	638.4	632.1	640.8	693.6	698.1
47.5°	1036.6	1018.8	988.9	887.1	834.3	752.0	705.3	690.2	693.0	752.9	766.2
50°	1135.7	1105.9	1069.1	979.6	941.3	874.4	782.2	758.7	759.6	815.0	837.6
52.5°	1194.5	1147.2	1123.4	1049.2	1010.6	977.2	862.7	822.0	826.2	878.6	913.0
55°	1158.0	1143.9	1144.5	1100.2	1071.5	1032.3	940.7	895.2	900.0	961.5	1004.6
57.5°	1096.5	1107.4	1145.7	1143.9	1127.9	1089.6	1018.5	976.0	1003.7	1055.3	1100.8
60°	1049.2	1061.6	1123.7	1155.6	1185.5	1157.4	1099.0	1080.6	1106.5	1151.4	1206.0
62.5°	970.3	980.2	1065.5	1149.9	1184.0	1215.3	1175.5	1192.1	1215.9	1253.9	1320.2
65°	862.3	859.9	966.0	1097.5	1174.0	1247.6	1274.1	1304.5	1326.2	1366.9	1427.2
67.5°	734.9	746.9	836.1	984.4	1135.1	1263.8	1357.0	1412.7	1426.3	1442.0	1485.4
70°	600.1	599.5	677.6	835.2	1051.6	1254.8	1435.6	1483.9	1484.2	1474.8	1487.8
72°	457.5	447.9	508.2	642.6	913.3	1206.3	1476.0	1509.8	1498.6	1470.9	1423.6
72.5°	392.7	401.5	458.2	605.2	851.2	1182.2	1480.3	1509.5	1497.4	1467.0	1404.3
75°	199.2	186.6	218.8	324.3	587.2	955.2	1449.8	1479.9	1446.2	1408.2	1231.3
77.5°	78.1	80.2	92.8	140.2	285.7	629.1	1251.5	1317.2	1295.5	1268.7	971.2
80°	54.9	54.9	62.1	79.9	146.5	255.6	867.2	962.7	996.2	1009.4	649.5
82.5°	39.8	40.4	47.3	55.8	104.6	122.7	425.9	535.0	587.8	637.2	363.2
85°	37.1	37.1	38.0	37.4	74.8	87.4	154.9	228.5	264.0	309.6	146.8
87.5°	17.5	19.0	28.0	22.3	36.8	54.0	84.4	91.6	93.7	106.4	105.5
90°	11.5	11.5	9.3	9.6	18.1	43.7	67.8	69.3	66.6	78.1	98.3
92.5°	11.8	12.1	8.7	9.0	14.2	40.1	69.6	70.8	68.7	82.0	104.3
95°	10.9	10.9	7.5	7.8	11.2	30.7	69.6	70.8	64.8	81.7	104.3
97.5°	9.0	9.3	6.0	6.3	8.7	15.1	48.2	51.8	41.3	41.6	50.9
100°	7.8	7.8	4.8	5.1	6.3	6.9	24.4	25.6	22.9	10.2	6.9
102.5°	7.8	7.8	4.2	4.2	4.2	3.9	7.5	12.7	10.5	6.0	6.6
105°	7.5	7.8	3.9	3.3	3.3	3.0	3.9	4.8	4.8	4.8	6.9
107.5°	6.0	6.3	3.0	3.0	2.7	2.7	2.1	2.1	3.0	4.5	7.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	4.8	4.8	2.4	2.7	2.1	2.4	1.8	1.8	2.7	3.3	5.7
112.5°	2.7	2.7	1.8	2.1	1.8	2.1	1.8	1.8	2.1	2.7	3.6
115°	2.4	2.4	1.5	1.5	1.5	1.5	1.5	1.5	1.8	2.4	3.9
117.5°	2.4	2.4	1.5	1.5	1.5	1.2	1.2	1.5	1.5	2.4	3.9
120°	2.4	2.4	1.5	1.5	1.2	1.2	1.2	1.5	1.5	2.4	3.9
122.5°	2.7	2.4	1.5	1.2	1.2	1.2	1.2	1.2	1.5	2.1	3.9
125°	2.7	2.4	1.8	1.2	1.2	1.2	1.2	1.2	1.5	2.1	3.3
127.5°	2.7	2.7	1.8	1.2	1.2	1.2	1.2	1.2	1.2	1.8	3.0
130°	2.7	2.4	1.8	1.2	1.2	1.2	1.2	1.2	1.2	1.8	2.7
132.5°	2.4	2.4	1.8	1.2	1.5	1.2	1.2	1.2	1.2	1.5	2.1
135°	2.1	2.1	1.5	1.5	1.5	1.2	1.2	1.2	1.2	1.2	1.8
137.5°	2.1	2.1	1.8	1.5	1.5	1.5	1.2	1.2	1.2	1.2	1.5
140°	2.1	2.1	1.8	1.8	1.8	1.5	1.2	1.2	1.2	1.5	1.5
142.5°	2.4	2.4	2.1	1.8	1.8	1.5	1.2	1.2	1.5	1.5	1.5
145°	2.7	2.7	2.4	2.1	1.8	1.2	1.2	1.5	1.5	1.5	1.8
147.5°	2.7	2.7	2.4	1.8	1.5	1.2	1.2	1.5	1.5	1.8	1.8
150°	2.4	2.4	2.1	1.5	1.2	0.9	1.2	1.2	1.5	1.8	1.8
152.5°	1.8	1.8	1.5	1.2	0.9	0.6	0.9	1.2	1.2	1.5	1.8
155°	1.2	1.2	0.9	0.6	0.6	0.6	0.9	0.9	0.9	1.2	1.5
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°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
2.5°	1.8	1.8	1.8	1.8	1.8	1.8	2.1	2.1	2.1	2.4	2.7
5°	1.8	1.8	1.8	1.8	2.1	2.4	2.7	3.0	3.3	3.6	3.6
7.5°	2.1	2.1	2.1	2.4	2.7	3.3	7.5	26.5	36.2	39.5	38.6
10°	3.9	3.9	3.6	3.6	4.2	35.3	44.9	48.8	50.9	53.4	53.4
12.5°	31.3	36.2	13.0	7.2	35.0	49.4	53.0	55.8	57.6	60.0	60.0
15°	75.7	76.9	79.0	71.1	68.7	56.1	58.5	79.3	104.3	110.9	111.5
17.5°	85.0	86.5	88.0	104.3	110.9	85.9	98.9	111.2	113.6	116.0	116.0
20°	162.2	164.6	133.5	119.7	116.9	145.6	111.8	114.8	119.1	140.5	142.6
22.5°	183.9	185.4	173.6	181.2	132.6	152.2	147.1	147.1	164.6	165.8	166.1
25°	206.2	214.6	192.3	186.3	188.7	154.0	173.6	156.7	159.1	161.0	161.3
27.5°	300.8	299.6	281.5	213.1	189.3	186.6	168.5	154.6	180.8	187.8	188.1
30°	319.8	316.8	300.5	249.6	196.5	184.8	158.8	178.7	173.9	174.8	175.1
32.5°	439.8	434.9	388.8	252.6	205.3	170.6	172.4	166.4	167.0	185.7	186.3
35°	469.9	463.3	398.5	292.1	195.6	173.0	159.4	167.0	170.0	169.1	169.1
37.5°	510.3	497.6	395.5	274.6	203.5	161.9	152.5	157.6	155.8	167.3	166.7
40°	554.3	536.5	397.0	254.7	184.5	151.9	146.2	150.7	149.5	146.2	143.8
42.5°	610.4	579.6	396.7	238.1	167.0	148.6	138.0	137.7	132.6	127.2	125.4
45°	667.6	625.1	397.9	219.1	153.7	145.9	133.5	126.3	121.8	116.0	114.5
47.5°	730.3	673.7	401.5	204.1	143.5	137.7	127.8	119.1	115.7	108.5	107.9
50°	804.5	724.6	402.7	192.0	131.4	130.5	123.6	113.9	108.8	101.6	101.0
52.5°	884.4	778.6	404.8	174.2	122.1	127.8	126.0	112.7	110.6	101.3	100.7
55°	960.0	829.8	404.2	152.8	117.9	125.4	126.0	120.6	117.3	101.9	100.7
57.5°	1051.0	885.3	395.2	132.9	111.2	121.8	132.0	127.5	123.9	111.2	108.8
60°	1132.4	942.5	368.3	117.6	105.5	117.9	137.1	132.6	122.4	114.2	111.8
62.5°	1227.7	992.0	331.0	106.4	103.4	119.1	139.0	135.9	123.3	120.6	119.7
65°	1292.2	1010.6	274.3	97.4	103.1	119.1	138.3	139.0	129.9	132.6	132.3
67.5°	1300.0	986.5	208.0	90.4	99.5	119.1	137.4	145.0	135.9	147.1	147.7
70°	1262.3	926.2	151.6	83.5	95.5	117.6	137.7	148.9	140.5	157.9	156.7
72°	1175.5	834.9	122.7	79.0	92.2	115.1	139.9	151.0	144.4	160.7	157.9
72.5°	1152.9	806.9	117.3	78.4	91.6	114.8	140.5	151.6	144.7	163.4	160.1
75°	964.8	642.6	100.7	73.8	92.5	113.3	143.5	151.3	146.5	165.2	165.8
77.5°	730.9	433.1	89.2	69.9	92.2	110.6	142.6	148.9	143.8	158.8	162.2
80°	452.4	252.0	79.3	69.6	91.6	109.4	138.7	142.6	136.2	148.3	149.2
82.5°	247.5	147.4	68.7	68.4	88.9	106.1	131.1	135.3	129.3	142.6	133.2
85°	126.6	100.1	51.5	56.1	77.8	99.8	122.4	122.1	116.0	120.9	114.2
87.5°	97.7	78.7	33.5	40.4	63.6	82.3	100.7	99.8	91.9	92.5	89.8
90°	89.8	70.2	22.0	28.6	53.0	59.1	69.9	67.2	61.8	63.0	62.1
92.5°	90.4	69.3	21.1	30.4	50.9	53.0	64.2	60.9	55.5	56.1	54.3
95°	88.3	66.6	21.1	26.8	42.2	37.7	46.1	44.9	40.4	38.3	37.4
97.5°	42.2	33.2	19.6	19.9	23.8	20.5	28.0	30.1	24.1	19.3	19.3
100°	7.2	11.2	17.2	20.2	17.2	13.0	17.8	20.5	13.9	6.3	6.9
102.5°	7.2	6.9	13.3	17.2	12.4	6.9	10.2	13.6	8.7	4.8	5.1
105°	7.8	7.2	6.3	11.8	7.2	3.6	3.9	6.9	4.8	4.8	4.8
107.5°	8.4	7.8	4.5	4.5	3.6	3.3	3.0	2.7	3.3	4.8	5.1



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CATALOG NUMBER: LXF.LXT-PA1-20-740-U-T3-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	6.3	6.3	4.2	3.6	3.3	3.3	2.4	2.4	3.3	5.1	5.1
112.5°	4.5	4.5	3.6	3.0	2.7	3.3	2.4	2.4	3.0	5.1	5.4
115°	4.5	4.5	3.3	2.7	2.4	2.7	2.4	2.1	3.0	5.1	5.4
117.5°	4.5	4.5	3.3	2.4	2.1	2.1	1.8	2.1	3.0	5.1	5.4
120°	4.5	4.5	3.3	2.4	2.1	1.8	1.8	1.8	3.0	5.1	5.4
122.5°	4.2	4.2	3.0	2.1	1.8	1.5	1.5	1.8	2.7	4.8	5.1
125°	3.9	3.9	2.7	2.1	1.8	1.5	1.5	1.5	2.7	4.5	4.8
127.5°	3.6	3.6	2.7	1.8	1.5	1.5	1.5	1.5	2.4	4.2	4.5
130°	3.0	3.0	2.4	1.8	1.5	1.2	1.5	1.5	2.4	3.9	3.9
132.5°	2.4	2.4	1.8	1.5	1.5	1.2	1.2	1.5	2.1	3.3	3.6
135°	1.8	1.8	1.8	1.5	1.5	1.2	1.2	1.2	1.8	2.7	3.0
137.5°	1.5	1.8	1.5	1.5	1.5	1.2	1.2	1.2	1.8	2.4	2.4
140°	1.5	1.5	1.5	1.5	1.5	1.2	1.2	1.2	1.8	2.1	2.4
142.5°	1.5	1.8	1.5	1.5	1.5	1.2	1.2	1.5	1.8	2.4	2.4
145°	1.8	1.8	1.8	1.5	1.5	0.9	0.9	1.5	1.8	2.4	2.4
147.5°	1.8	1.8	1.8	1.5	1.2	0.9	0.9	1.2	1.8	2.4	2.4
150°	1.8	1.8	1.8	1.5	1.2	0.6	0.6	1.2	1.5	2.1	2.4
152.5°	1.8	1.8	1.5	1.5	0.9	0.6	0.3	0.9	1.2	1.8	1.8
155°	1.5	1.5	1.5	1.2	0.9	0.3	0.0	0.3	0.9	1.5	1.5
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)