

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: P414161

Luminaire Tested: **LXF.LXT-PA1-20-727-U-T2U-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414161
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-10)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-20-727-U-T2U-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2186 lumens
Efficiency: N/A
Efficacy: 104.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B1 - U2 - G1

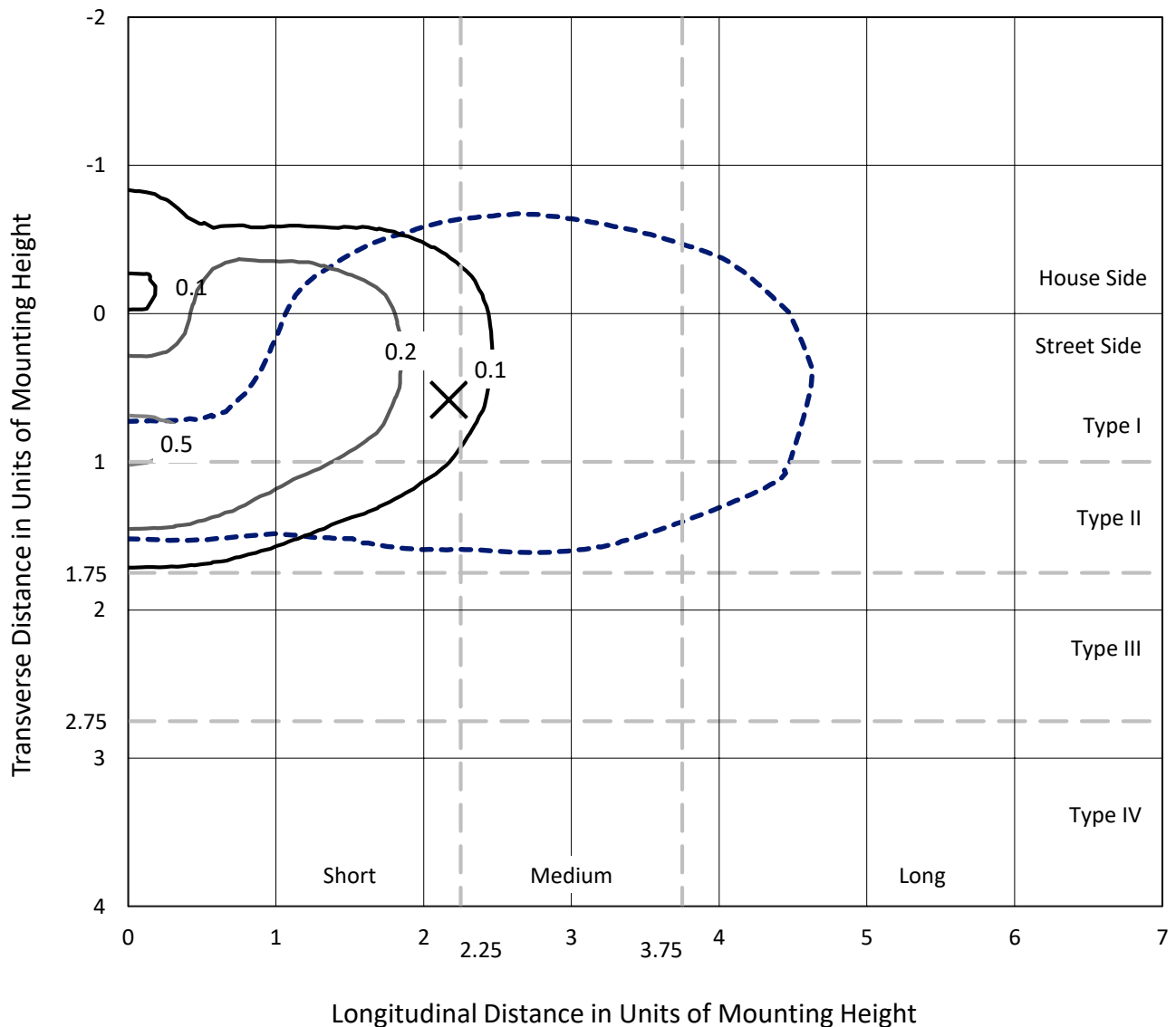
Input Watts (W): 21
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

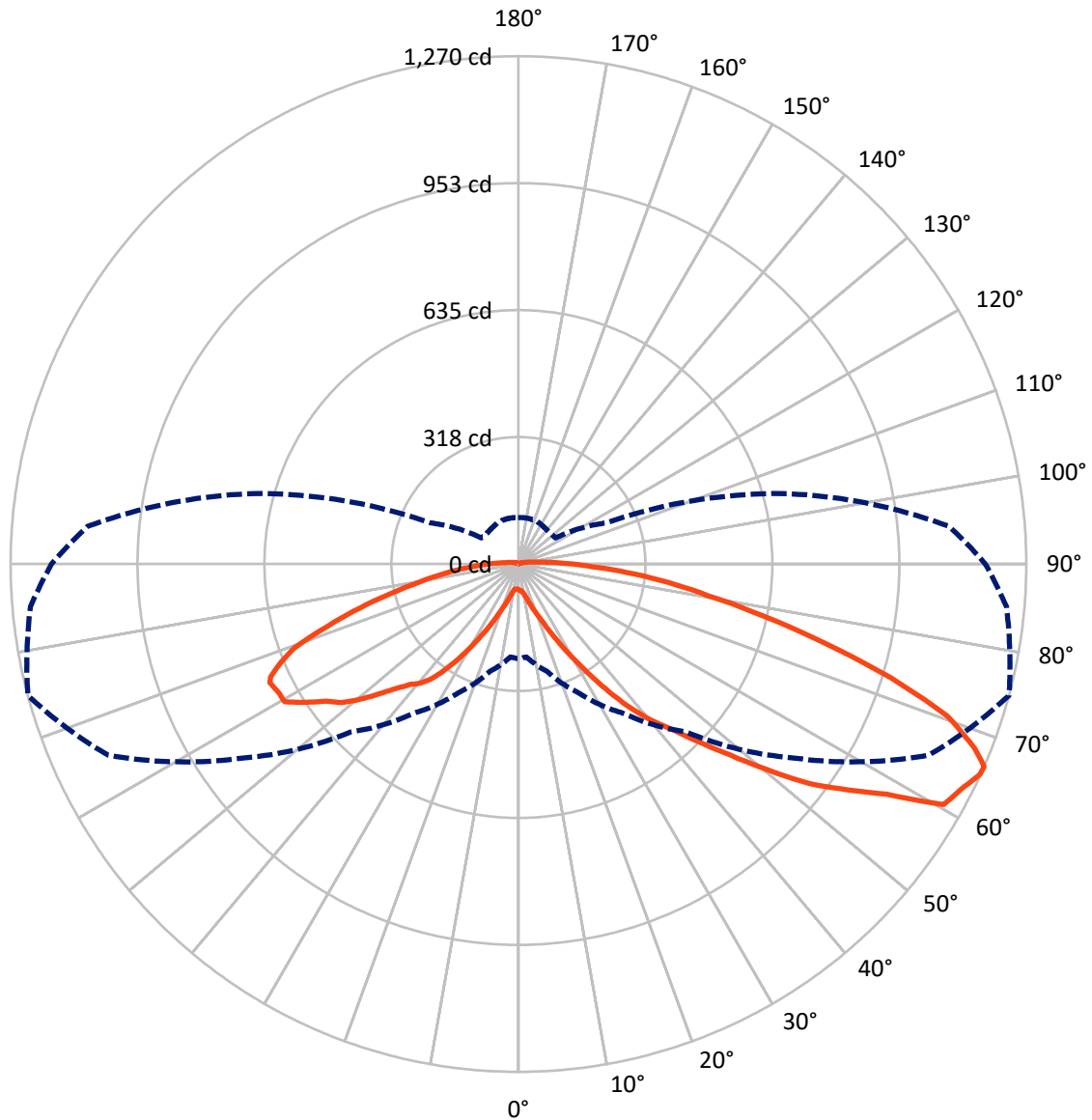
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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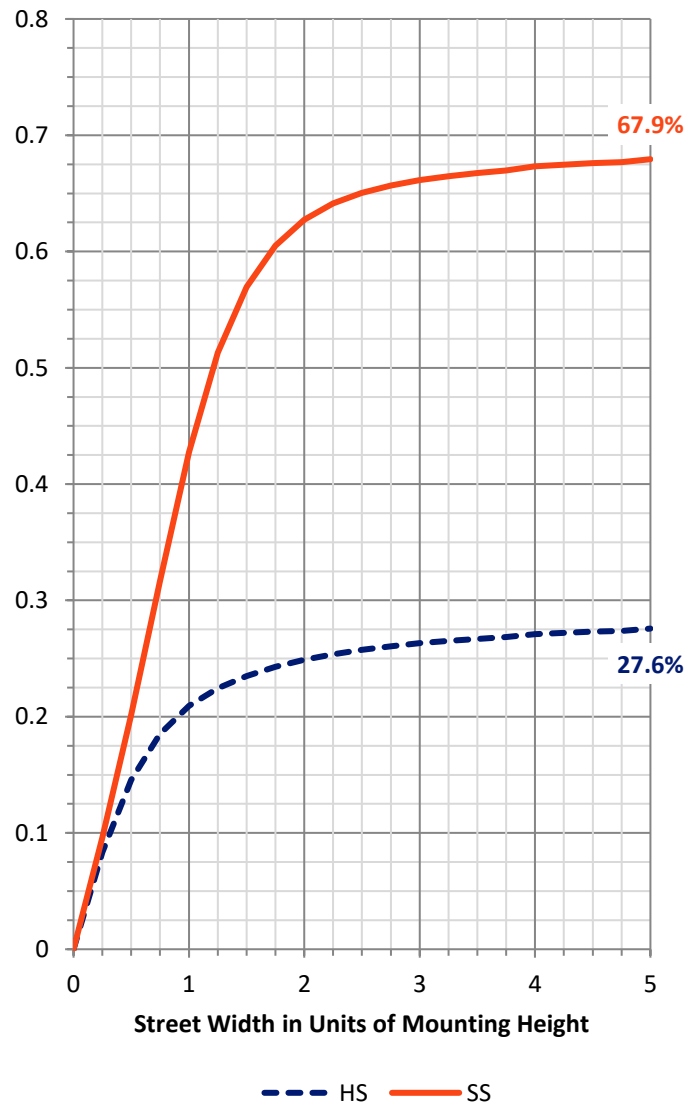
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	620.9	30.3	651.2
	% Fixture	28.4	1.4	29.8
Street Side	Lumens	1504.9	30.0	1534.8
	% Fixture	68.8	1.4	70.2
Total	Lumens	2125.7	60.3	2186.0
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.5	0.3
10°-20°	27.5	1.3
20°-30°	83.3	3.8
30°-40°	206.1	9.4
40°-50°	372.1	17.0
50°-60°	502.8	23.0
60°-70°	504.7	23.1
70°-80°	304.8	13.9
80°-90°	117.8	5.4
90°-100°	35.0	1.6
100°-110°	12.6	0.6
110°-120°	6.1	0.3
120°-130°	3.6	0.2
130°-140°	2.1	0.1
140°-150°	0.7	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2125.7	97.2
0°-180°	2186.0	100.0



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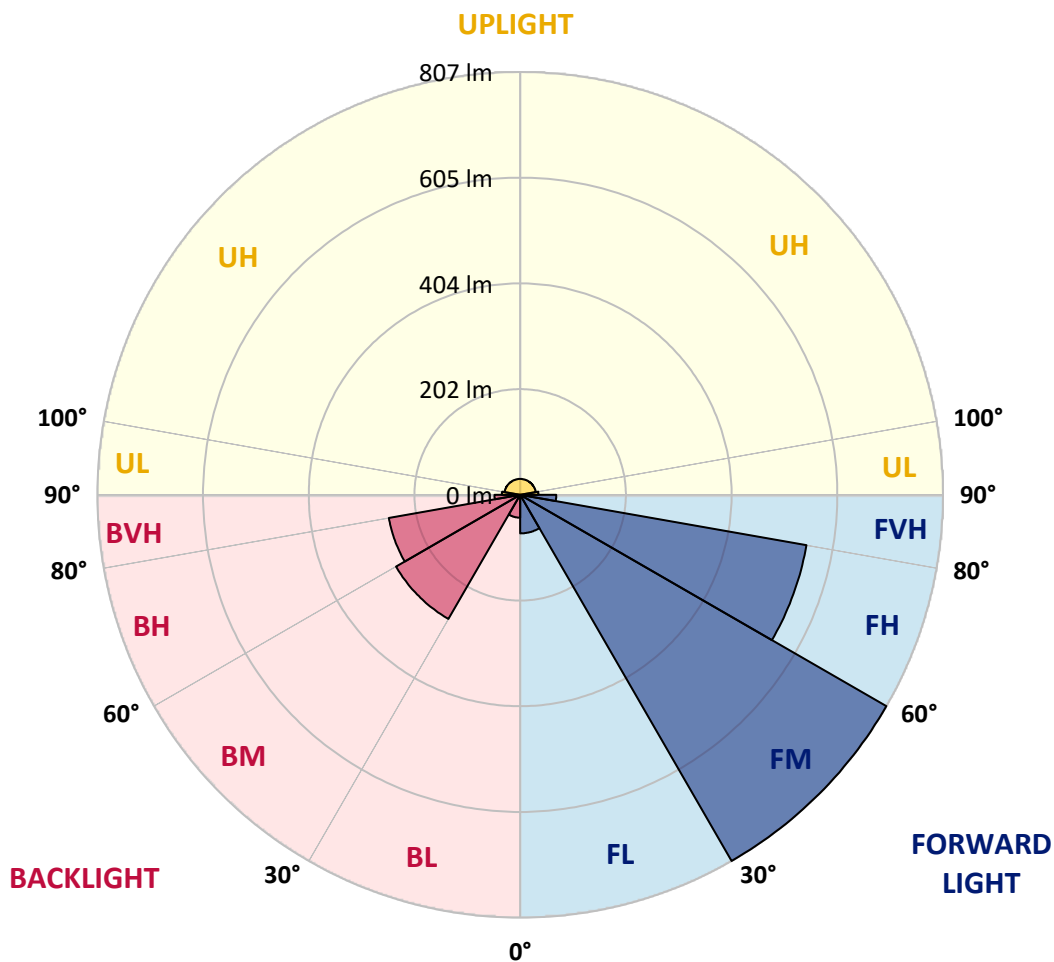
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	73.6	3.4			
FM	(30°-60°)	807.3	36.9			
FH	(60°-80°)	555.0	25.4			G0/660
FVH	(80°-90°)	68.8	3.1			G1/100
BL	(0°-30°)	43.6	2.0	B0/110		
BM	(30°-60°)	273.7	12.5	B1/1000		
BH	(60°-80°)	254.5	11.6	B1/500		G1/500
BVH	(80°-90°)	49.0	2.2			G1/100
UL	(90°-100°)	35.0	1.6		U2/50	
UH	(100°-180°)	30.3	1.4		U2/50	

BUG Rating: B1-U2-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
2.5°	71.1	70.6	70.1	69.6	69.1	68.6	67.6	66.3	65.3	65.3	64.3
5°	77.6	77.1	76.4	75.4	74.4	73.4	71.3	69.3	67.3	67.3	65.5
7.5°	85.7	85.5	84.5	83.2	80.9	78.7	76.1	73.1	70.3	70.1	67.8
10°	96.0	95.5	94.0	92.3	89.7	86.7	83.2	79.4	75.4	75.1	72.4
12.5°	110.4	109.4	106.9	104.1	99.3	96.3	92.3	88.7	85.7	85.0	81.2
15°	129.1	127.8	125.0	120.2	113.9	108.4	106.1	102.4	99.1	98.1	94.5
17.5°	153.0	151.8	147.0	139.4	132.9	127.3	122.3	118.5	115.7	115.5	110.4
20°	185.8	182.8	175.0	164.4	155.8	149.0	141.9	137.6	134.9	133.9	130.8
22.5°	226.1	225.4	214.3	200.4	186.3	173.9	166.1	161.3	159.3	159.6	157.8
25°	277.6	275.3	264.7	244.5	223.4	207.7	196.9	193.9	193.6	191.8	191.1
27.5°	332.5	329.5	315.6	296.2	268.2	247.1	235.0	231.7	232.4	230.4	231.9
30°	399.8	398.3	378.1	349.9	319.7	291.9	279.3	276.5	278.3	280.8	279.3
32.5°	483.0	485.3	457.8	419.7	377.4	345.4	331.5	330.5	333.0	332.5	331.8
35°	584.4	588.4	550.3	504.2	446.0	407.9	390.5	389.2	394.3	393.8	394.3
37.5°	692.8	694.5	663.5	590.4	522.6	469.9	455.5	454.0	458.8	456.0	453.3
40°	778.2	786.5	750.2	687.5	599.0	545.3	527.9	519.6	515.3	512.3	492.1
42.5°	859.1	854.1	828.4	758.6	677.4	618.9	595.7	580.1	566.2	564.2	542.0
45°	912.1	905.8	881.3	816.8	740.7	692.3	670.8	651.9	636.3	629.2	602.5
47.5°	915.1	912.1	906.3	857.9	791.3	749.2	742.2	732.1	714.9	715.2	680.9
50°	869.0	864.2	881.1	862.7	816.5	794.3	821.1	832.2	810.2	808.0	772.4
52.5°	787.3	784.8	815.5	833.7	817.3	825.9	889.4	929.7	912.6	903.5	857.6
55°	704.6	707.6	734.3	763.6	790.6	834.9	949.9	1030.3	996.5	990.5	933.3
57.5°	591.9	602.0	641.8	687.7	730.1	822.3	981.7	1094.1	1085.5	1083.2	1034.3
60°	468.4	467.4	526.4	593.2	662.8	780.7	983.4	1174.3	1221.9	1211.1	1142.0
62.5°	363.8	366.3	408.6	492.3	585.6	717.5	959.2	1210.1	1241.8	1229.5	1169.2
65°	263.4	267.5	319.2	386.7	492.1	632.0	890.4	1161.4	1268.8	1261.2	1227.2
66°	236.7	233.2	278.6	355.2	455.3	594.2	847.0	1131.9	1270.3	1266.0	1225.4
67.5°	190.3	194.9	229.9	296.7	396.0	533.9	768.6	1084.8	1231.0	1225.2	1198.0
70°	140.9	145.2	169.2	222.6	300.5	425.8	635.5	937.0	1138.2	1142.5	1139.5
72.5°	104.4	108.9	125.3	163.9	222.3	316.6	503.7	789.8	973.3	983.4	976.4
75°	81.2	82.9	96.6	123.5	162.6	223.1	372.6	612.1	792.3	811.0	817.5
77.5°	65.3	66.8	77.9	95.3	121.8	162.9	261.2	456.3	627.2	640.3	652.7
80°	52.7	53.7	62.8	76.6	93.3	116.5	176.2	331.5	481.2	488.8	507.0
82.5°	42.4	43.1	49.7	61.5	74.6	88.5	125.3	231.4	377.9	384.9	407.9
85°	33.3	33.8	39.6	48.9	60.0	70.1	90.5	163.6	272.3	278.8	306.5
87.5°	26.2	26.7	31.3	38.1	48.4	55.5	66.8	110.2	183.8	193.1	224.6
90°	20.7	20.9	24.2	29.5	37.6	45.1	52.4	76.9	122.5	127.8	145.5
92.5°	15.6	15.9	18.4	22.4	29.2	35.8	40.1	53.2	78.4	80.7	93.3
95°	11.6	11.8	13.9	16.4	21.9	28.0	31.0	37.3	49.4	52.4	55.7
97.5°	9.1	9.3	10.6	12.1	16.1	21.9	24.7	27.5	33.8	34.8	37.3
100°	7.8	7.8	8.6	9.6	12.1	17.1	19.4	21.7	25.5	25.5	27.0
102.5°	6.6	6.6	7.1	7.6	9.8	13.6	15.6	17.1	19.2	19.4	20.7
105°	5.8	5.8	6.1	6.6	8.3	11.1	12.9	13.6	14.9	14.9	15.4
107.5°	5.0	5.0	5.3	5.5	7.3	9.3	10.3	10.6	11.1	11.1	11.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
110°	4.8	4.8	4.8	5.0	6.3	8.1	8.6	8.3	8.6	8.6	9.3
112.5°	4.5	4.3	4.3	4.5	5.8	7.1	7.1	6.8	6.8	6.8	7.6
115°	4.3	4.3	4.0	4.3	5.3	6.1	6.1	5.5	5.5	5.5	6.3
117.5°	4.3	4.3	4.0	4.0	4.8	5.5	5.3	4.8	4.5	4.8	5.5
120°	4.3	4.3	3.8	3.8	4.5	4.8	4.8	4.0	4.0	4.0	4.8
122.5°	4.3	4.3	3.8	3.8	4.3	4.5	4.3	3.5	3.5	3.5	4.3
125°	4.5	4.3	3.8	3.8	4.0	4.0	3.8	3.3	3.0	3.0	3.8
127.5°	4.5	4.5	4.0	3.8	3.8	3.8	3.5	3.0	2.8	2.8	3.5
130°	5.0	4.8	4.3	3.8	3.5	3.3	3.0	2.8	2.8	2.8	3.3
132.5°	5.0	5.0	4.3	3.5	3.3	3.0	2.8	2.3	2.5	2.5	3.0
135°	4.8	4.5	3.8	3.3	3.0	2.5	2.3	2.0	2.3	2.3	2.8
137.5°	4.3	4.0	3.5	2.8	2.5	2.0	1.8	1.5	1.8	1.8	2.3
140°	3.5	3.5	2.8	2.3	2.0	1.8	1.5	1.0	1.3	1.5	1.8
142.5°	3.0	2.8	2.3	1.8	1.5	1.3	1.0	0.8	1.0	1.0	1.3
145°	2.5	2.3	1.8	1.3	1.0	0.8	0.5	0.5	0.5	0.5	0.8
147.5°	2.0	1.8	1.3	0.8	0.5	0.5	0.3	0.3	0.5	0.5	0.5
150°	1.5	1.5	1.0	0.5	0.3	0.3	0.0	0.3	0.3	0.3	0.3
152.5°	1.3	1.3	0.8	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.3
155°	0.8	0.8	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.3	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°	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
2.5°	64.0	63.5	63.0	62.5	62.0	61.8	61.0	60.5	60.5	60.5	60.3
5°	64.8	63.8	62.5	61.5	60.3	59.2	58.5	57.7	57.2	57.2	57.2
7.5°	66.6	65.5	63.3	61.3	59.5	58.0	57.0	56.2	56.0	55.7	55.7
10°	70.6	68.8	65.8	62.8	60.3	58.2	57.2	56.7	56.5	56.5	56.5
12.5°	79.7	77.1	72.6	67.6	63.3	60.3	59.2	59.2	60.8	61.5	61.5
15°	91.8	89.5	84.2	77.1	70.3	65.3	64.5	66.3	68.3	69.3	69.1
17.5°	108.4	105.4	98.3	89.0	79.9	74.9	72.6	74.4	76.9	78.1	78.1
20°	128.1	125.0	115.5	102.9	91.8	86.2	82.7	82.7	86.0	87.0	87.5
22.5°	155.0	150.5	136.9	119.5	105.1	96.6	92.3	91.5	95.3	97.1	96.6
25°	185.3	181.8	165.9	139.9	121.3	107.4	101.6	101.6	106.4	110.4	110.7
27.5°	227.6	218.8	196.6	164.9	136.9	117.5	111.2	112.4	117.5	121.5	121.5
30°	272.0	265.7	233.2	191.3	152.0	126.8	117.7	119.7	124.3	128.8	128.8
32.5°	325.7	315.1	275.0	217.6	165.9	132.9	121.3	124.0	129.3	133.9	133.9
35°	378.1	369.6	317.1	245.0	178.0	135.4	122.8	126.0	132.1	137.6	138.1
37.5°	439.1	420.5	358.2	269.7	186.8	135.9	122.3	128.1	136.1	142.4	142.7
40°	475.7	453.3	386.0	288.1	190.8	134.1	122.3	129.6	136.4	138.7	138.4
42.5°	519.1	490.8	405.4	290.4	185.8	130.6	122.0	127.8	130.8	130.8	130.6
45°	577.3	545.5	436.1	291.7	175.5	126.3	120.0	123.8	123.0	120.8	120.0
47.5°	648.6	610.1	475.2	296.2	165.4	122.0	117.7	118.7	115.2	110.2	109.9
50°	733.8	688.5	521.1	301.0	156.6	118.5	115.7	114.7	111.2	106.9	106.4
52.5°	813.8	759.1	562.7	304.3	149.2	116.2	114.2	113.9	110.4	104.9	104.4
55°	886.1	820.6	590.7	298.0	142.7	115.2	114.2	114.5	109.9	104.4	103.6
57.5°	990.7	918.9	635.0	288.6	134.9	115.0	115.0	115.2	109.7	104.4	103.6
60°	1081.7	1001.8	678.6	287.9	127.3	114.7	115.2	115.0	110.9	107.6	106.9
62.5°	1113.0	1036.9	680.7	269.7	122.5	113.4	114.2	115.5	114.7	113.2	112.4
65°	1172.0	1088.8	689.2	249.3	115.7	111.2	112.9	116.2	116.7	115.7	115.0
66°	1167.7	1081.5	680.9	243.0	113.4	109.9	112.2	115.7	116.7	116.5	116.0
67.5°	1146.5	1062.6	653.4	225.1	110.2	107.6	110.9	114.5	116.7	117.5	117.0
70°	1089.3	1005.6	598.7	198.1	103.9	102.4	106.9	111.4	115.2	116.5	116.2
72.5°	928.2	848.5	500.9	169.2	95.0	94.8	100.1	105.6	110.2	111.4	110.9
75°	779.2	700.8	411.4	139.4	86.0	86.2	91.3	96.6	100.1	100.1	100.3
77.5°	624.7	558.4	326.0	115.7	76.6	76.6	80.2	84.5	86.7	85.7	84.2
80°	480.5	436.6	254.6	96.8	67.3	66.8	68.6	71.8	73.6	71.3	69.6
82.5°	388.0	350.2	201.4	80.7	58.2	57.7	58.5	60.8	61.8	59.2	58.5
85°	294.4	260.4	151.5	66.3	50.4	49.2	50.4	50.9	52.2	49.9	48.4
87.5°	208.2	184.5	109.9	55.2	43.1	42.4	42.1	42.6	43.4	41.8	41.1
90°	139.9	122.8	79.4	46.1	36.8	35.5	35.0	35.0	35.5	33.0	32.3
92.5°	89.7	79.4	55.2	36.8	30.8	29.2	28.2	28.5	28.2	25.7	25.2
95°	56.0	50.7	39.8	29.0	24.7	23.4	22.4	22.2	21.9	20.2	19.7
97.5°	36.6	34.8	29.7	22.9	19.7	18.7	18.2	17.9	17.9	16.6	15.9
100°	27.2	26.5	23.4	19.2	16.1	15.4	14.9	14.9	15.4	14.4	13.9
102.5°	21.2	21.4	19.2	16.1	13.6	13.1	12.6	12.6	13.1	12.6	12.4
105°	16.1	16.1	15.6	13.4	11.6	11.3	10.8	10.8	11.3	11.3	11.3
107.5°	12.6	13.1	12.6	11.1	10.1	9.8	9.3	9.3	9.8	10.1	10.3



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CATALOG NUMBER: LXF.LXT-PA1-20-727-U-T2U-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	10.1	10.6	10.3	9.6	8.8	8.6	8.1	7.8	8.3	9.1	9.1
112.5°	8.1	8.6	8.6	8.1	7.6	7.6	7.1	6.8	7.3	8.1	8.1
115°	6.8	7.3	7.3	7.1	6.8	6.6	6.1	5.8	6.3	7.1	7.3
117.5°	5.8	6.3	6.3	6.3	6.1	5.8	5.3	5.0	5.3	6.1	6.3
120°	5.3	5.5	5.5	5.5	5.3	5.3	4.8	4.5	4.8	5.5	5.5
122.5°	4.5	4.8	5.0	5.0	4.8	4.8	4.3	3.8	4.0	4.8	5.0
125°	4.0	4.3	4.5	4.5	4.3	4.3	3.8	3.5	3.8	4.3	4.5
127.5°	3.8	4.0	4.0	4.0	4.0	3.8	3.3	3.0	3.3	4.0	4.0
130°	3.5	3.8	3.8	3.8	3.5	3.3	3.0	2.8	3.0	3.8	3.8
132.5°	3.3	3.5	3.5	3.3	3.3	3.0	2.5	2.3	2.8	3.3	3.3
135°	2.8	3.0	3.0	3.0	2.8	2.5	2.3	2.0	2.5	2.8	2.8
137.5°	2.3	2.5	2.5	2.5	2.3	2.0	1.8	1.8	2.0	2.5	2.5
140°	1.8	2.0	2.0	2.0	1.8	1.8	1.5	1.3	1.8	2.0	2.0
142.5°	1.3	1.5	1.5	1.5	1.3	1.3	1.0	1.0	1.5	1.8	1.8
145°	0.8	1.0	1.0	1.0	1.0	0.8	0.8	0.8	1.0	1.3	1.3
147.5°	0.5	0.8	0.8	0.8	0.8	0.5	0.3	0.5	0.8	1.0	1.0
150°	0.3	0.5	0.5	0.5	0.5	0.3	0.0	0.3	0.5	0.8	0.8
152.5°	0.3	0.3	0.5	0.5	0.3	0.3	0.0	0.0	0.3	0.3	0.3
155°	0.0	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.3	0.3	0.0
157.5°	0.0	0.0	0.0	0.3	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)