

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: P414852

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

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414852
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-22)
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-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2705 lumens
Efficiency: N/A
Efficacy: 87.3 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 - G2

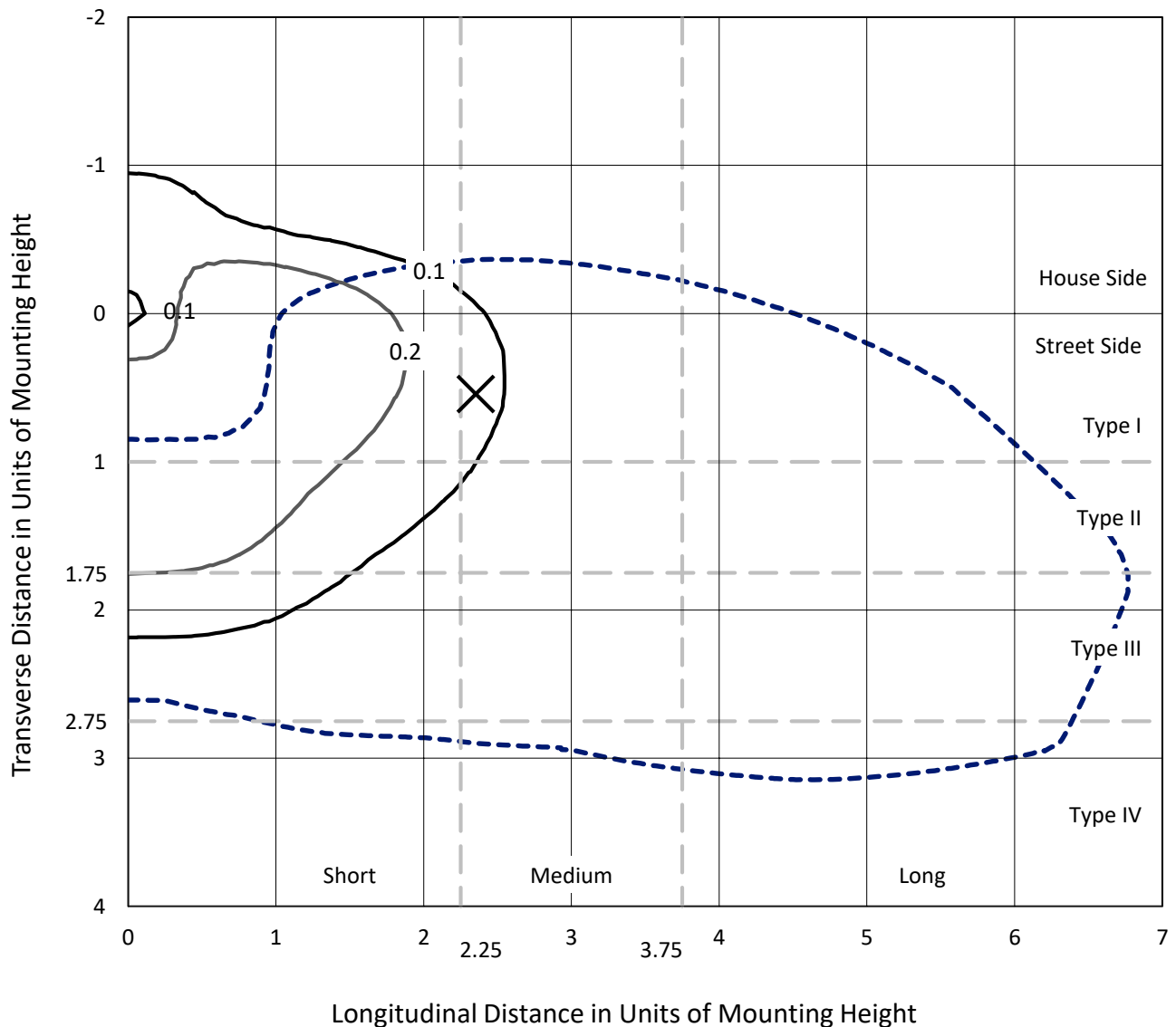
Input Watts (W): 31
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

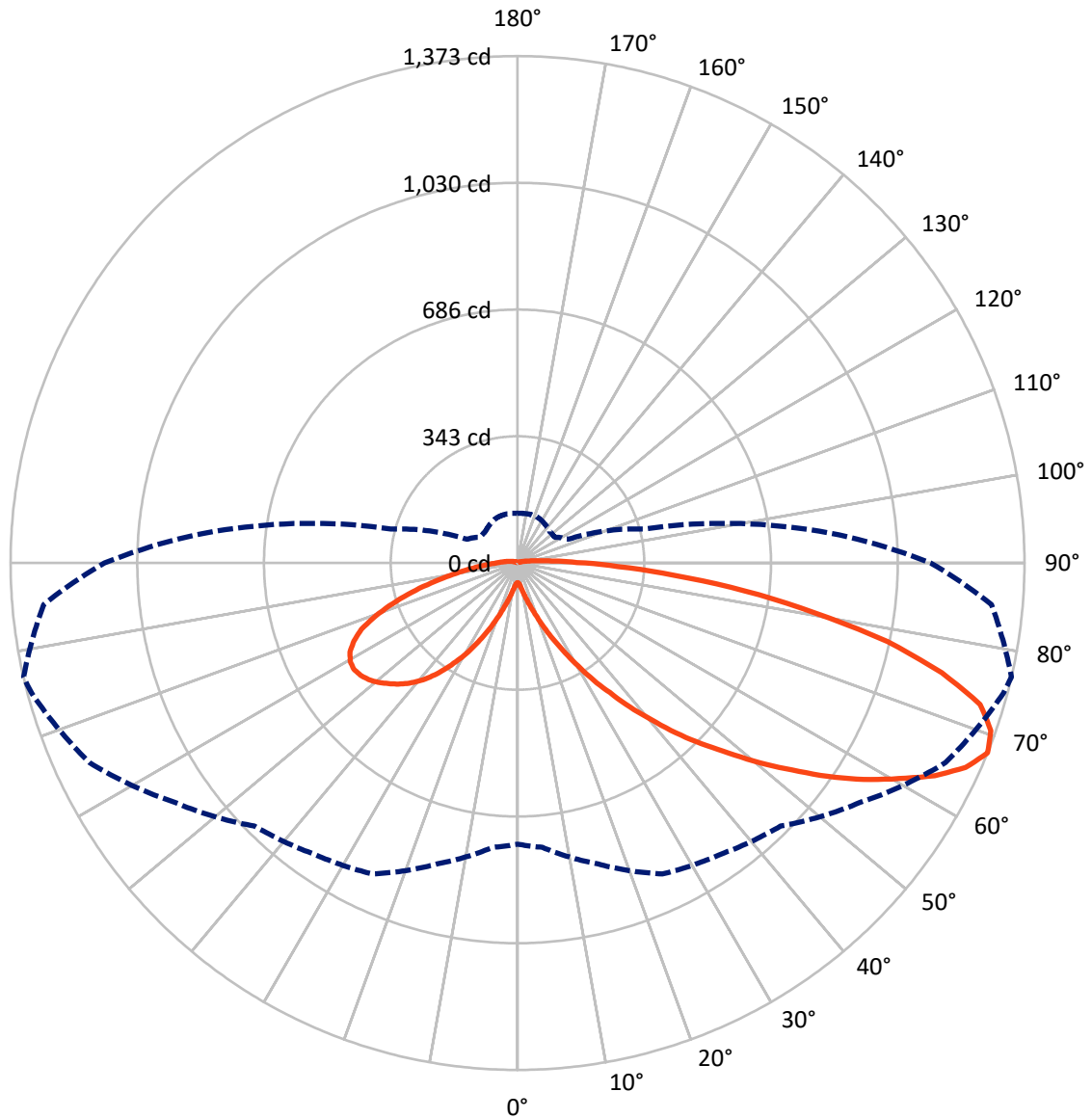


Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	617.1	40.6	657.8
	% Fixture	22.8	1.5	24.3
Street Side	Lumens	2002.0	45.3	2047.3
	% Fixture	74.0	1.7	75.7
Total	Lumens	2619.1	85.9	2705.0
	% Fixture	96.8	3.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.2	0.2
10°-20°	31.4	1.2
20°-30°	93.7	3.5
30°-40°	207.6	7.7
40°-50°	371.8	13.7
50°-60°	556.8	20.6
60°-70°	656.3	24.3
70°-80°	501.1	18.5
80°-90°	194.2	7.2
90°-100°	49.5	1.8
100°-110°	18.7	0.7
110°-120°	8.8	0.3
120°-130°	4.7	0.2
130°-140°	2.6	0.1
140°-150°	1.2	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2619.1	96.8
0°-180°	2705.0	100.0



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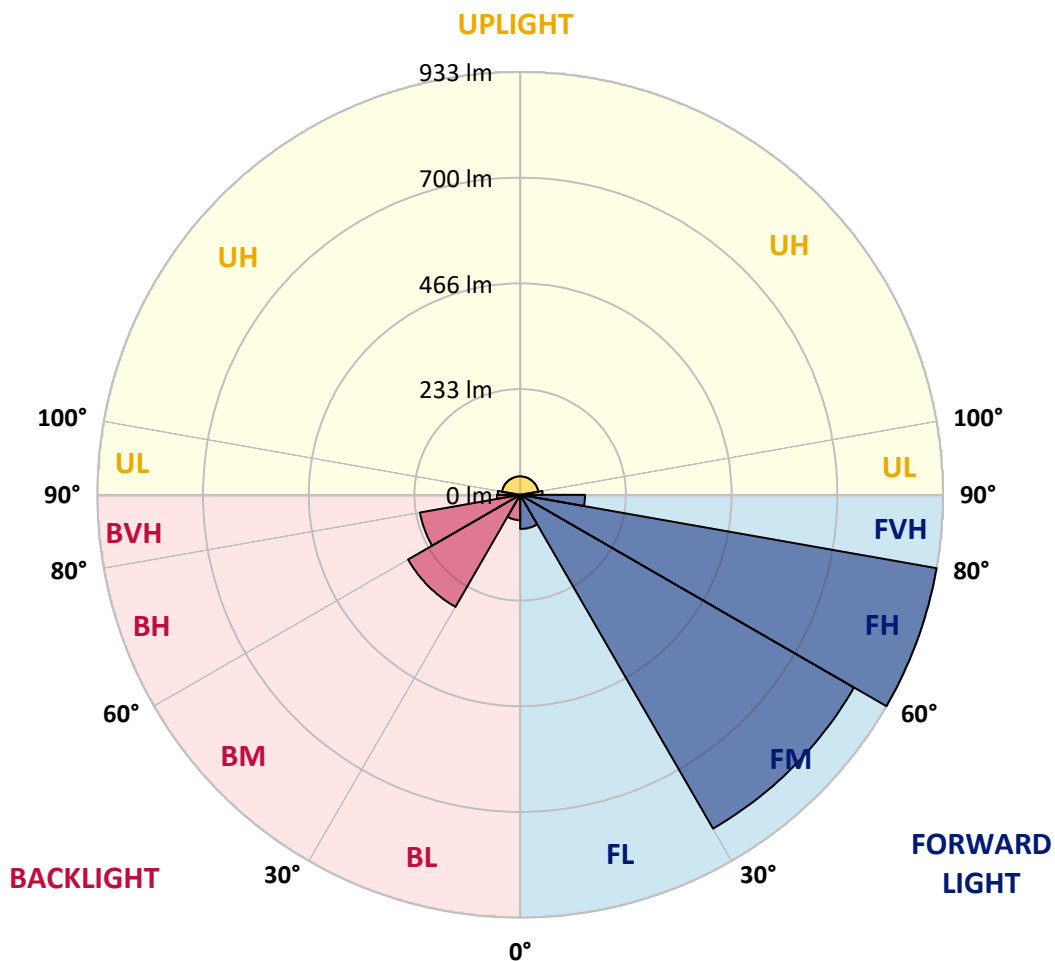
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	75.4	2.8			
FM	(30°-60°)	850.5	31.4			
FH	(60°-80°)	933.0	34.5			G1/1800
FVH	(80°-90°)	143.1	5.3			G2/225
BL	(0°-30°)	55.9	2.1	B0/110		
BM	(30°-60°)	285.7	10.6	B1/1000		
BH	(60°-80°)	224.4	8.3	B1/500		G1/500
BVH	(80°-90°)	51.2	1.9			G1/100
UL	(90°-100°)	49.5	1.8		U2/50	
UH	(100°-180°)	40.6	1.5		U2/50	

BUG Rating: B1-U2-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
2.5°	56.2	55.9	56.2	56.2	56.6	55.9	55.3	55.0	54.7	54.7	54.4
5°	62.2	61.5	61.8	62.2	61.8	61.2	60.3	60.0	59.4	59.4	58.7
7.5°	70.5	70.5	70.2	69.6	70.2	69.3	68.7	68.4	67.4	67.1	66.8
10°	83.3	82.7	82.4	81.7	81.1	80.8	79.6	79.6	78.0	78.6	77.7
12.5°	99.8	98.5	98.8	97.6	95.7	94.5	93.9	93.5	93.5	93.5	93.2
15°	119.6	118.7	118.4	115.6	113.7	112.2	110.9	111.3	112.8	113.1	111.9
17.5°	142.3	143.9	141.1	138.6	135.8	132.7	132.7	132.7	133.9	134.9	134.3
20°	174.0	170.9	167.8	163.8	159.1	156.6	155.4	159.1	161.3	162.8	162.2
22.5°	208.8	205.7	202.3	195.8	189.3	184.6	184.6	189.3	194.2	196.1	196.7
25°	248.3	250.2	241.8	231.8	220.0	216.0	216.6	223.4	230.9	232.5	236.2
27.5°	297.1	297.1	289.9	274.1	258.6	250.5	251.1	262.3	273.5	275.6	278.4
30°	356.4	354.3	344.6	323.5	303.0	287.8	290.6	304.2	322.0	323.8	327.2
32.5°	422.6	422.3	403.7	377.6	348.1	330.0	331.3	351.2	373.2	378.5	382.2
35°	496.0	497.8	473.6	435.7	401.5	377.3	381.3	404.0	429.8	431.0	435.7
37.5°	579.9	579.0	550.1	508.7	457.8	432.0	428.9	459.6	486.7	494.7	492.3
40°	672.8	662.9	634.9	583.6	520.8	486.3	487.0	518.7	555.3	557.8	557.2
42.5°	764.5	760.1	726.3	657.0	589.8	549.1	550.7	581.1	619.0	628.7	621.8
45°	863.3	852.4	815.8	744.3	662.6	618.4	614.4	648.6	690.2	697.7	691.1
47.5°	943.2	936.3	904.0	827.9	740.6	684.0	677.8	719.7	767.3	767.9	758.3
50°	1009.4	1005.9	980.5	913.0	816.1	757.3	750.8	792.5	842.2	850.3	836.3
52.5°	1066.5	1061.0	1048.2	981.7	884.7	820.1	819.2	864.9	927.0	930.7	917.4
55°	1084.9	1088.3	1086.4	1039.5	952.2	882.3	890.0	951.6	1007.2	1020.2	995.1
57.5°	1082.1	1082.1	1099.8	1078.4	997.2	938.5	955.3	1029.6	1102.0	1106.0	1075.9
60°	1039.8	1040.8	1083.3	1089.2	1029.6	986.7	1026.1	1108.8	1183.1	1185.6	1157.3
62.5°	978.9	976.7	1039.2	1069.0	1033.6	1015.3	1076.8	1178.1	1259.5	1267.9	1225.3
65°	883.8	887.9	955.3	1014.7	1012.5	1026.1	1116.3	1240.6	1321.7	1333.8	1272.3
67.5°	761.1	772.9	843.7	928.9	961.8	1007.2	1130.9	1278.8	1362.1	1372.7	1288.1
70°	630.5	627.7	704.5	811.4	875.7	958.7	1114.7	1280.4	1363.0	1359.6	1254.3
72.5°	478.3	490.1	559.1	667.8	763.2	866.7	1062.2	1240.6	1310.8	1310.2	1164.7
75°	340.0	347.1	408.0	516.8	630.5	759.2	957.5	1153.9	1205.5	1186.8	1035.2
77.5°	224.4	230.9	283.4	382.6	487.9	624.0	816.7	1002.5	1043.6	1024.3	869.8
80°	139.5	142.6	182.4	261.0	354.6	483.6	661.3	819.8	836.0	816.4	669.7
82.5°	83.0	85.5	114.1	167.5	252.7	352.1	498.5	628.4	633.7	620.3	482.9
85°	51.0	54.4	72.7	111.9	168.4	248.3	347.4	436.6	440.4	424.8	319.2
87.5°	33.3	35.1	49.4	72.7	113.4	166.3	232.8	290.6	282.2	272.5	201.7
90°	22.7	23.9	33.9	50.0	76.8	110.0	147.3	181.8	168.4	161.0	122.4
92.5°	15.8	17.1	24.9	36.0	53.1	73.7	95.7	108.8	103.2	99.8	77.1
95°	12.4	13.1	19.0	28.0	39.5	52.2	63.4	67.4	64.0	61.5	51.9
97.5°	9.9	10.6	15.8	22.7	30.8	38.8	44.1	45.4	42.0	40.7	36.0
100°	8.4	9.0	13.4	19.0	25.2	30.8	32.9	32.6	29.8	29.2	26.1
102.5°	7.5	7.8	11.8	16.5	21.4	24.9	26.1	24.6	21.8	21.4	19.6
105°	6.5	7.1	10.3	14.3	18.3	21.1	21.1	19.3	16.2	15.8	14.9
107.5°	6.2	6.2	9.0	12.4	15.8	17.7	17.7	15.5	12.7	12.1	11.5
110°	5.6	5.9	8.1	10.9	13.7	15.2	14.9	12.4	9.6	9.3	9.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	5.3	5.3	7.1	9.6	11.8	13.1	12.4	10.3	7.8	7.5	7.1
115°	5.0	5.0	6.5	8.7	10.6	11.5	10.6	8.4	6.2	5.9	6.2
117.5°	4.7	5.0	5.9	7.8	9.3	9.9	9.0	7.1	5.3	5.0	5.3
120°	4.7	4.7	5.6	6.8	8.1	8.7	7.8	5.9	4.4	4.4	4.7
122.5°	4.7	4.7	5.3	6.2	7.1	7.5	6.5	5.0	4.0	4.0	4.4
125°	4.4	4.4	5.0	5.6	6.5	6.5	5.9	4.4	3.4	3.4	4.0
127.5°	4.4	4.4	4.7	5.3	5.9	5.9	5.0	3.7	3.1	3.4	3.7
130°	4.0	4.0	4.4	4.7	5.3	5.0	4.4	3.4	2.8	3.1	3.4
132.5°	4.0	4.0	4.0	4.4	4.7	4.4	3.7	2.8	2.8	2.8	3.1
135°	3.7	3.7	4.0	4.0	4.0	3.7	3.1	2.5	2.5	2.5	2.8
137.5°	3.7	3.7	3.7	3.7	3.7	3.4	2.8	2.2	2.2	2.2	2.5
140°	3.4	3.4	3.4	3.1	3.1	2.8	2.2	1.9	1.9	1.9	2.2
142.5°	3.1	3.1	3.1	2.8	2.8	2.2	1.9	1.6	1.6	1.9	1.9
145°	2.8	2.8	2.8	2.5	2.2	1.9	1.2	1.2	1.6	1.6	1.9
147.5°	2.2	2.2	2.2	2.2	1.6	1.6	0.9	1.2	1.2	1.6	1.6
150°	1.9	1.9	1.9	1.9	1.2	0.9	0.6	0.9	1.2	1.2	1.2
152.5°	1.6	1.6	1.6	1.6	0.9	0.6	0.6	0.9	0.9	0.9	1.2
155°	0.9	0.9	1.2	0.9	0.6	0.3	0.6	0.6	0.9	0.9	0.9
157.5°	0.6	0.6	0.6	0.6	0.3	0.3	0.3	0.6	0.6	0.6	0.9
160°	0.3	0.3	0.6	0.6	0.6	0.3	0.3	0.3	0.6	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
2.5°	54.1	54.4	54.1	53.8	53.8	53.5	53.5	53.5	53.5	53.1	53.1
5°	59.0	58.7	58.4	57.8	57.2	56.6	56.6	56.2	55.9	55.6	55.6
7.5°	65.9	65.9	65.3	64.3	63.4	62.8	62.2	61.8	60.9	60.9	60.6
10°	76.4	76.4	74.6	73.7	72.1	70.5	69.9	69.0	68.4	68.1	67.7
12.5°	91.7	90.7	88.9	85.8	82.7	80.2	78.6	78.0	78.3	78.3	78.6
15°	111.3	109.4	106.6	100.7	95.1	91.4	90.4	90.4	90.7	90.7	91.1
17.5°	134.6	131.8	125.5	118.1	110.0	105.0	102.9	102.9	103.5	104.4	105.3
20°	162.8	160.4	150.7	137.7	125.5	119.0	115.3	115.0	116.2	119.0	118.4
22.5°	194.9	192.1	177.8	158.8	142.0	131.5	127.4	128.7	131.8	133.6	133.6
25°	233.4	228.7	207.3	179.6	158.2	143.3	138.0	139.8	144.5	146.7	147.6
27.5°	274.7	268.5	239.9	202.3	170.9	152.9	147.3	149.8	155.4	158.8	159.7
30°	323.8	312.9	274.1	223.4	182.4	159.7	153.8	158.5	164.7	168.7	169.7
32.5°	375.4	358.6	303.6	241.5	190.8	164.4	158.5	164.1	170.9	175.6	175.9
35°	427.0	407.7	336.2	256.1	195.2	166.6	160.4	166.9	174.3	178.1	179.0
37.5°	482.9	456.2	364.5	265.4	197.0	166.3	160.4	166.9	174.0	177.1	177.8
40°	536.7	503.8	389.7	271.0	196.4	163.8	158.2	165.0	171.2	173.4	173.1
42.5°	597.0	549.7	409.9	271.3	192.1	160.0	155.4	161.3	165.6	165.3	165.6
45°	654.5	598.5	424.8	269.1	186.1	155.4	151.7	156.9	158.5	156.9	156.6
47.5°	717.6	647.0	436.6	263.5	179.0	151.0	147.6	151.7	152.0	148.5	147.9
50°	784.4	695.5	447.5	253.3	170.6	146.1	143.9	147.3	146.7	141.1	140.2
52.5°	849.6	744.6	454.3	240.8	162.2	141.7	140.8	144.2	142.3	135.8	134.6
55°	919.2	790.0	455.6	228.4	154.1	138.0	138.0	141.7	139.5	132.7	131.8
57.5°	987.3	837.5	450.9	212.3	146.4	133.9	135.8	140.2	138.6	131.8	131.1
60°	1051.0	873.3	438.2	197.0	139.2	131.1	134.3	139.2	138.0	132.4	131.8
62.5°	1100.4	896.9	418.0	182.1	133.0	128.3	132.7	137.7	138.0	133.3	133.6
65°	1123.4	896.9	388.8	167.2	127.4	125.5	131.1	136.7	137.4	134.6	134.6
67.5°	1118.4	873.9	355.8	151.7	122.1	122.1	129.0	134.9	136.1	134.9	134.9
70°	1065.9	811.7	310.8	139.2	116.8	118.1	125.5	131.8	133.6	133.9	133.6
72.5°	980.5	718.2	264.2	126.2	111.3	114.1	121.2	127.4	129.9	130.5	130.2
75°	848.4	609.7	218.5	115.3	105.3	108.8	116.2	121.5	124.3	125.5	124.9
77.5°	681.8	483.9	179.0	104.4	98.5	102.2	109.4	113.7	117.2	118.7	117.5
80°	519.6	360.2	142.3	93.5	90.1	94.2	100.4	105.0	108.1	108.8	107.8
82.5°	368.9	255.4	114.1	83.3	81.1	84.5	90.1	93.2	97.0	96.6	94.8
85°	241.8	173.4	89.5	72.4	71.5	73.7	78.0	79.9	83.6	83.6	81.4
87.5°	157.2	115.0	70.5	60.9	61.8	63.7	65.9	67.4	69.0	69.3	67.4
90°	100.4	78.6	56.2	51.9	52.8	54.4	54.4	54.1	56.6	57.2	55.6
92.5°	65.9	55.9	46.6	44.1	44.8	45.1	45.1	43.8	46.0	46.3	45.1
95°	46.3	42.0	38.5	37.9	37.9	37.9	37.3	35.7	37.6	37.6	37.0
97.5°	34.8	32.6	32.3	32.3	32.3	32.0	31.1	30.5	31.1	31.1	30.8
100°	26.1	25.8	26.7	27.3	27.7	27.3	26.7	25.8	25.8	24.6	24.9
102.5°	19.9	20.5	22.4	23.3	23.3	23.3	23.0	21.8	21.1	19.9	19.6
105°	15.5	16.2	18.3	19.6	19.9	20.2	19.6	18.3	17.1	15.8	15.5
107.5°	12.1	13.1	14.9	16.5	17.1	17.1	16.8	15.5	14.0	12.4	12.4
110°	9.9	10.6	12.4	14.0	14.6	14.6	14.3	12.7	11.2	9.9	9.9



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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	8.1	8.7	10.6	11.8	12.4	12.7	12.1	10.9	9.3	8.1	8.1
115°	6.8	7.5	9.0	9.9	10.6	10.6	10.3	9.0	7.8	6.8	6.8
117.5°	5.9	6.5	7.8	8.7	9.0	9.3	8.7	7.8	6.5	5.9	5.9
120°	5.3	5.6	6.8	7.5	7.8	7.8	7.5	6.5	5.6	5.3	5.3
122.5°	4.7	5.3	5.9	6.5	6.8	6.8	6.5	5.6	5.0	4.7	5.0
125°	4.4	4.7	5.3	5.9	5.9	5.9	5.6	5.0	4.4	4.4	4.4
127.5°	4.0	4.4	4.7	5.0	5.3	5.3	5.0	4.4	4.0	4.0	4.0
130°	3.7	4.0	4.4	4.4	4.7	4.7	4.4	3.7	3.7	3.7	3.7
132.5°	3.4	3.7	3.7	4.0	4.0	4.0	3.7	3.4	3.4	3.4	3.4
135°	3.1	3.1	3.4	3.4	3.4	3.4	3.1	3.1	3.1	3.1	3.1
137.5°	2.8	2.8	3.1	2.8	3.1	2.8	2.8	2.5	2.8	2.8	2.8
140°	2.5	2.5	2.5	2.5	2.5	2.5	2.2	2.2	2.5	2.5	2.5
142.5°	2.2	2.2	2.2	1.9	1.9	1.9	1.9	1.9	2.2	2.2	2.2
145°	1.9	1.9	1.9	1.6	1.6	1.2	1.6	1.6	1.9	1.9	1.9
147.5°	1.6	1.6	1.6	1.6	1.2	0.9	0.9	1.2	1.6	1.6	1.6
150°	1.2	1.6	1.6	1.2	0.9	0.6	0.6	0.9	1.2	1.2	1.2
152.5°	1.2	1.2	1.2	0.9	0.6	0.3	0.3	0.6	0.9	0.9	0.9
155°	0.9	0.9	0.9	0.9	0.6	0.3	0.0	0.6	0.6	0.6	0.6
157.5°	0.9	0.9	0.9	0.6	0.3	0.0	0.0	0.3	0.6	0.3	0.3
160°	0.6	0.6	0.6	0.6	0.3	0.3	0.0	0.3	0.3	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)