

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: P414583

Luminaire Tested: **LXF.LXT-PA1-30-727-U-T2U-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414583
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-25)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-30-727-U-T2U-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3055 lumens
Efficiency: N/A
Efficacy: 98.5 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): 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

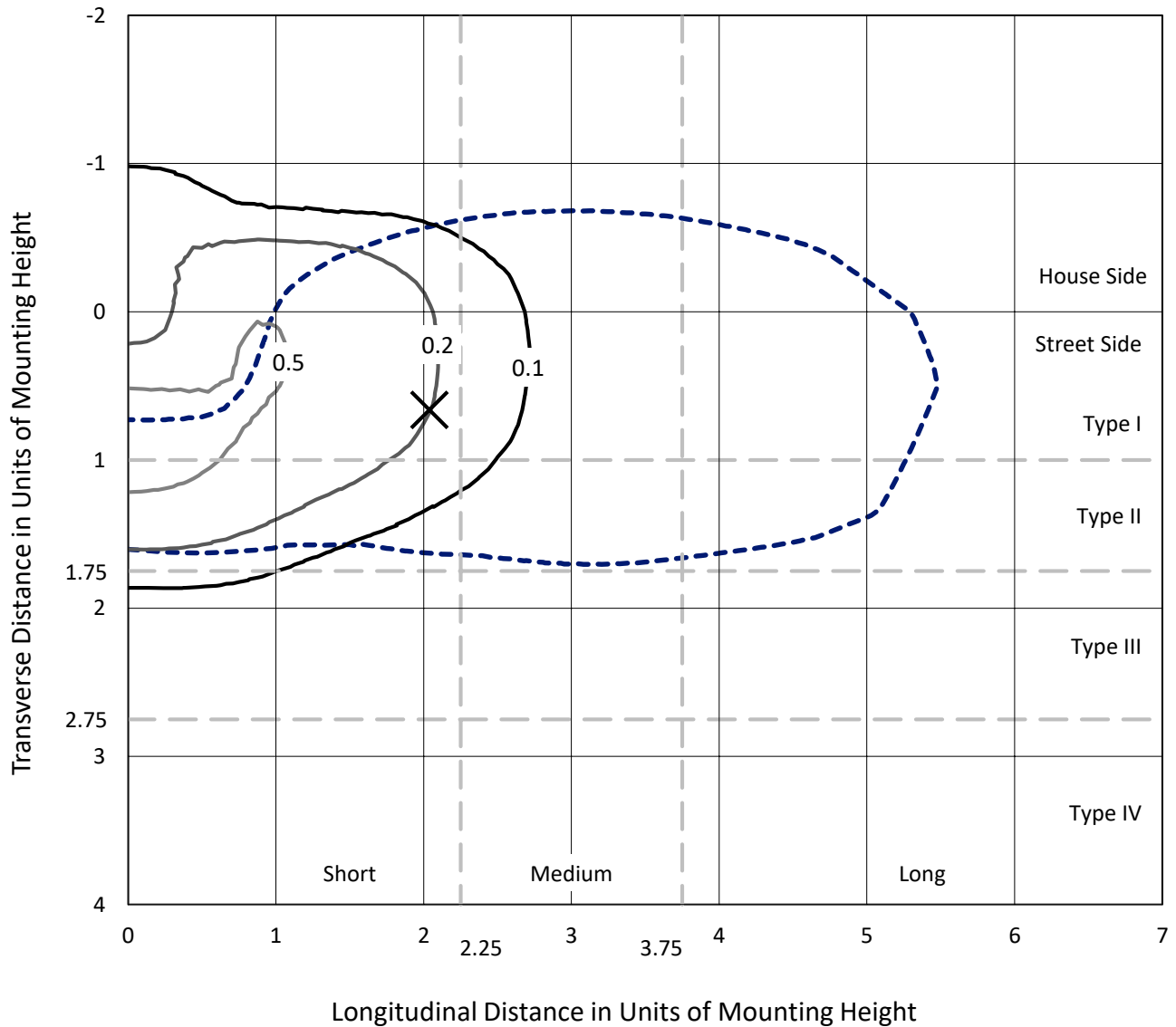


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

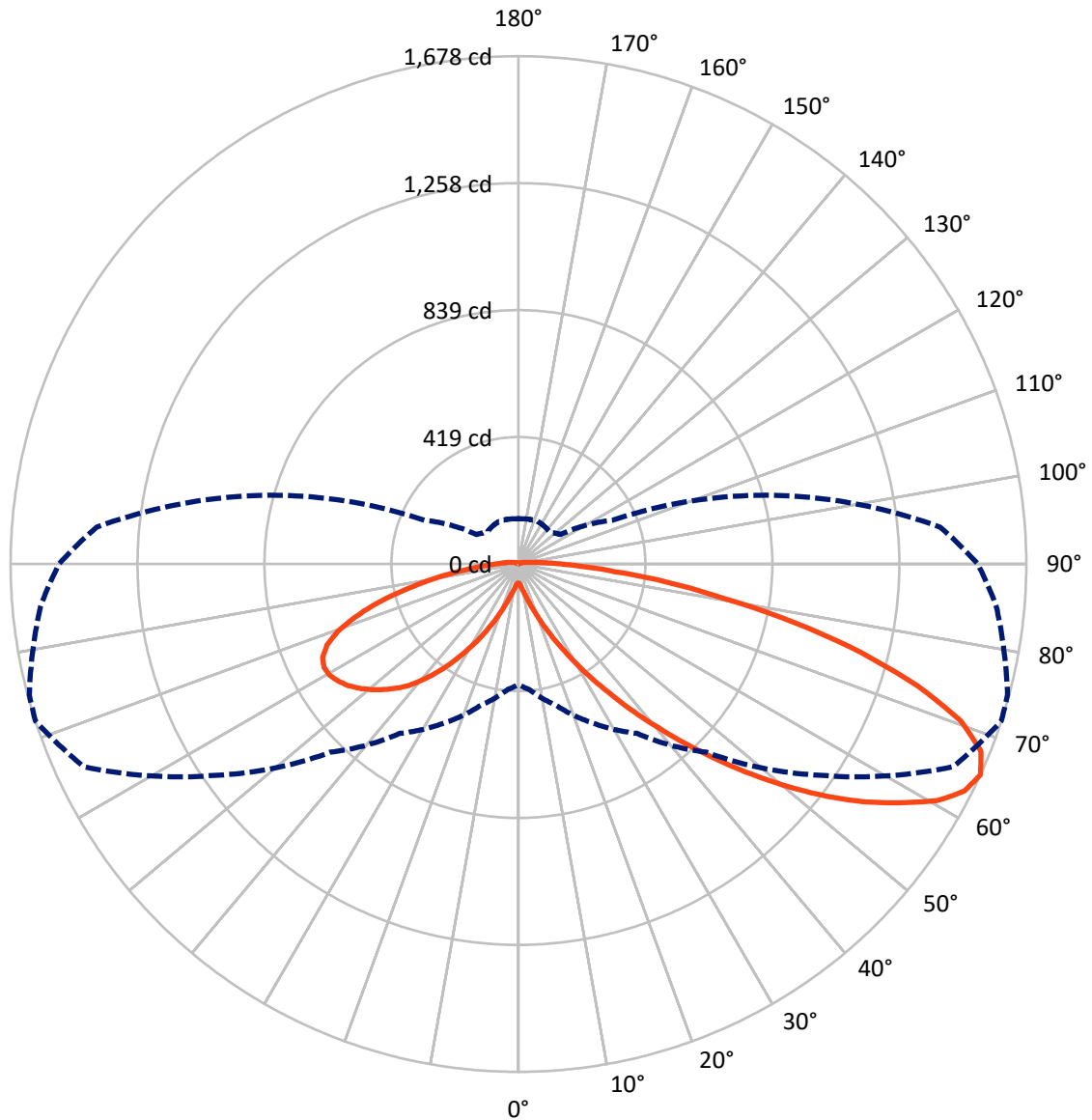


Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	861.3	43.4	904.7
	% Fixture	28.2	1.4	29.6
Street Side	Lumens	2108.1	42.3	2150.3
	% Fixture	69.0	1.4	70.4
Total	Lumens	2969.4	85.6	3055.0
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.3	0.2
10°-20°	37.0	1.2
20°-30°	117.1	3.8
30°-40°	280.5	9.2
40°-50°	517.9	17.0
50°-60°	705.7	23.1
60°-70°	688.1	22.5
70°-80°	449.4	14.7
80°-90°	166.5	5.4
90°-100°	46.3	1.5
100°-110°	19.4	0.6
110°-120°	9.8	0.3
120°-130°	5.5	0.2
130°-140°	3.1	0.1
140°-150°	1.3	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2969.4	97.2
0°-180°	3055.0	100.0



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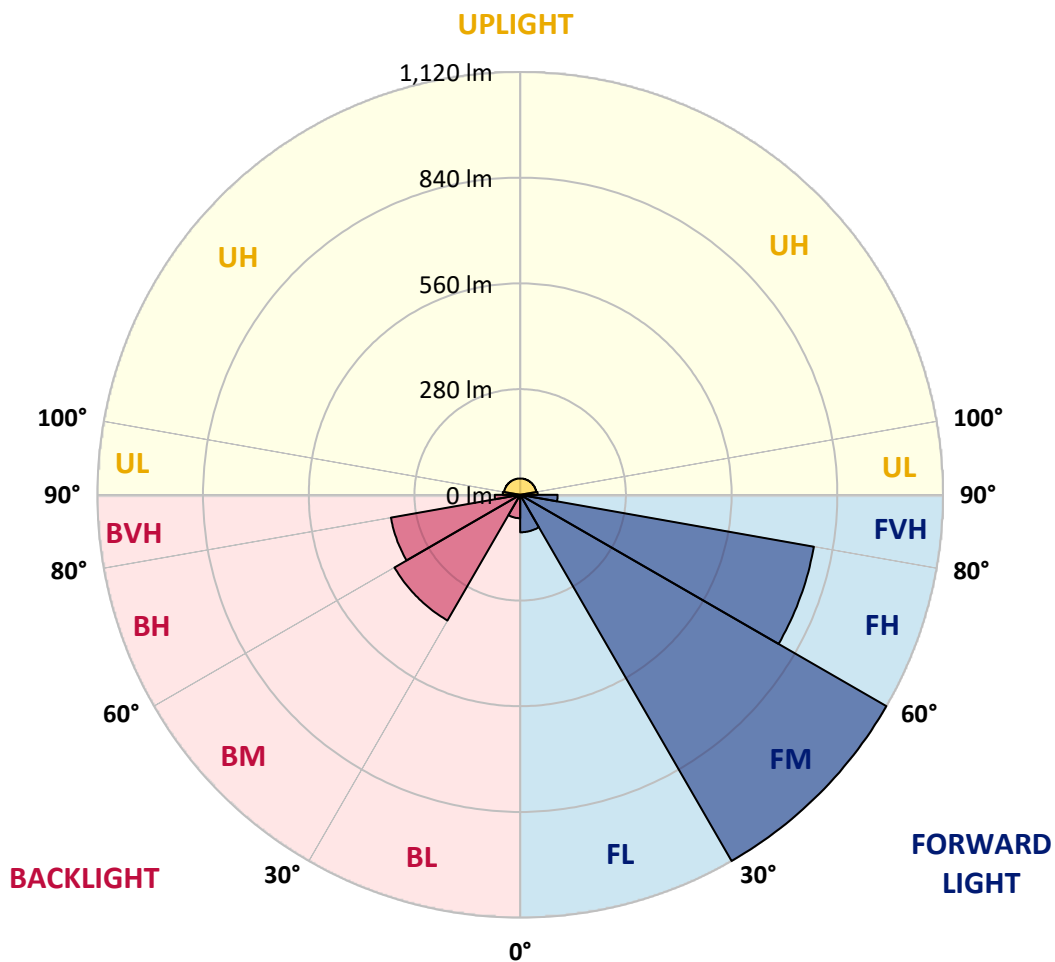
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	99.2	3.2			
FM	(30°-60°)	1119.8	36.7			
FH	(60°-80°)	789.9	25.9			G1/1800
FVH	(80°-90°)	99.1	3.2			G1/100
BL	(0°-30°)	62.0	2.0	B0/110		
BM	(30°-60°)	384.4	12.6	B1/1000		
BH	(60°-80°)	347.5	11.4	B1/500		G1/500
BVH	(80°-90°)	67.4	2.2			G1/100
UL	(90°-100°)	46.3	1.5		U2/50	
UH	(100°-180°)	43.4	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°	72°	75°	85°
0°	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
2.5°	70.4	70.0	69.3	68.9	68.9	68.2	67.5	66.5	65.8	65.4	64.7
5°	79.6	78.9	78.1	77.4	76.7	75.7	73.9	72.8	71.4	71.1	69.7
7.5°	92.6	91.9	89.8	89.1	88.0	86.6	84.5	82.4	81.0	79.9	77.8
10°	110.0	109.3	107.8	106.1	104.0	101.1	97.6	95.5	91.9	92.6	89.5
12.5°	133.7	131.9	130.1	127.3	123.0	119.9	114.9	112.8	108.9	108.9	105.0
15°	162.3	161.9	158.4	152.4	148.5	141.8	137.5	132.9	130.5	130.5	127.3
17.5°	199.4	196.9	194.1	186.0	177.1	169.0	163.4	160.2	157.3	156.6	152.4
20°	245.4	241.9	237.6	223.1	212.5	202.6	194.5	192.0	189.9	189.5	186.0
22.5°	303.7	296.3	288.5	274.4	257.4	240.1	234.4	228.8	229.1	229.8	221.7
25°	368.4	366.3	352.5	332.4	310.1	291.0	275.4	273.3	275.4	274.0	270.8
27.5°	451.5	444.5	427.1	401.3	366.0	343.7	327.1	325.7	326.0	327.8	322.5
30°	548.4	544.9	523.0	479.8	434.2	404.5	386.5	384.0	388.2	388.6	380.5
32.5°	662.6	655.6	622.0	573.9	511.6	473.8	453.3	452.6	457.2	458.2	451.9
35°	778.2	774.7	741.5	672.5	604.3	547.0	526.1	527.6	530.7	537.1	529.7
37.5°	911.5	902.0	859.2	786.4	700.1	631.5	609.2	614.2	619.1	619.1	608.9
40°	1037.4	1033.9	989.0	897.4	794.2	730.5	706.1	708.9	708.6	708.9	695.5
42.5°	1154.1	1142.1	1102.5	1005.3	898.8	834.1	804.8	809.4	813.6	816.8	782.8
45°	1233.0	1222.7	1187.7	1091.9	997.8	936.7	917.6	917.6	922.5	921.1	887.5
47.5°	1260.9	1259.5	1233.3	1160.5	1074.2	1026.8	1027.9	1031.8	1039.2	1032.5	984.4
50°	1247.8	1242.2	1237.6	1196.9	1137.5	1114.9	1136.1	1155.9	1156.6	1144.6	1083.4
52.5°	1165.8	1166.5	1189.8	1182.4	1155.2	1178.2	1242.9	1277.9	1274.7	1263.0	1189.5
55°	1041.0	1046.6	1087.3	1118.4	1135.0	1198.7	1322.1	1394.6	1387.5	1371.2	1296.6
57.5°	874.8	893.2	947.6	1015.5	1074.9	1179.6	1365.2	1495.7	1488.3	1488.3	1403.4
60°	698.0	712.8	793.1	875.8	969.5	1115.2	1369.4	1569.9	1588.0	1576.6	1479.1
62.5°	541.3	547.7	630.8	735.1	835.5	1007.0	1320.7	1605.3	1653.0	1643.5	1546.9
65°	398.5	416.5	483.7	579.2	683.1	879.4	1216.3	1584.4	1677.8	1672.8	1584.4
67.5°	296.3	304.4	360.7	449.1	552.0	720.6	1064.3	1493.2	1648.1	1652.3	1578.8
70°	222.1	224.2	268.0	340.9	428.5	568.6	887.2	1347.5	1549.4	1568.5	1528.2
72.5°	168.0	171.8	208.3	265.5	330.6	437.7	701.2	1149.5	1381.1	1428.5	1413.3
75°	131.5	136.1	161.2	205.4	255.6	331.3	530.7	915.4	1170.0	1231.2	1248.2
77.5°	104.0	108.9	130.1	164.1	199.4	255.6	390.0	684.9	934.5	995.7	1045.2
80°	81.7	85.2	104.0	129.1	157.0	188.8	273.3	497.9	686.3	762.7	807.9
82.5°	62.2	66.1	80.6	101.8	123.0	144.3	195.2	338.7	497.9	532.5	609.6
85°	45.3	48.8	60.8	78.1	94.8	111.7	142.8	225.9	317.2	358.5	397.4
87.5°	33.2	34.7	45.3	58.0	72.8	84.5	102.9	144.3	201.5	222.1	254.6
90°	23.3	24.8	33.2	42.8	55.2	66.1	75.7	95.5	125.5	143.9	149.9
92.5°	17.3	18.4	24.8	32.2	42.4	51.3	57.3	67.5	81.7	89.5	94.4
95°	13.1	14.1	19.4	25.5	32.9	40.3	44.9	48.8	56.9	59.0	63.3
97.5°	10.6	11.3	15.9	20.9	26.5	33.2	35.7	37.8	40.7	42.8	44.6
100°	9.2	9.5	13.4	17.7	22.6	26.9	29.0	30.1	31.8	32.5	33.2
102.5°	8.1	8.1	11.7	15.2	19.4	22.6	24.4	24.4	24.8	25.1	24.8
105°	7.1	7.4	10.3	13.4	16.6	19.4	20.9	20.2	19.8	19.4	18.4
107.5°	6.7	6.7	9.2	12.0	14.9	17.0	18.0	16.6	15.9	15.2	14.1
110°	6.0	6.4	8.1	10.6	13.1	14.9	15.6	14.1	12.7	12.0	11.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	5.7	6.0	7.4	9.5	11.7	13.4	13.4	12.0	10.3	9.5	8.8
115°	5.7	5.7	6.7	8.5	10.6	12.0	12.0	10.3	8.5	7.8	7.4
117.5°	5.7	5.7	6.4	7.8	9.5	10.6	10.6	8.8	7.1	6.4	6.4
120°	5.3	5.3	6.0	7.1	8.8	9.5	9.2	7.8	6.0	5.7	5.7
122.5°	5.3	5.3	5.7	6.7	8.1	8.8	8.5	6.7	5.3	4.6	5.0
125°	5.7	5.3	5.7	6.4	7.4	7.8	7.4	5.7	4.6	4.2	4.6
127.5°	5.7	5.7	5.3	6.0	6.7	7.1	6.7	5.0	3.9	3.9	4.2
130°	5.7	5.7	5.3	5.7	6.0	6.4	5.7	4.2	3.5	3.5	3.9
132.5°	5.7	5.7	5.3	5.3	5.7	5.7	5.0	3.5	3.2	3.2	3.5
135°	5.7	5.7	5.0	5.0	5.0	5.0	4.2	3.2	2.8	2.8	3.2
137.5°	5.3	5.3	5.0	4.6	4.6	4.2	3.5	2.5	2.1	2.5	2.8
140°	5.0	5.0	4.6	3.9	3.9	3.5	2.8	2.1	1.8	2.1	2.1
142.5°	4.6	4.6	4.2	3.5	3.2	2.8	2.5	1.4	1.4	1.4	1.8
145°	4.2	4.2	3.9	2.8	2.5	2.1	1.8	1.1	1.1	1.1	1.4
147.5°	3.5	3.5	3.2	2.5	1.8	1.8	1.1	0.7	1.1	1.1	1.1
150°	2.8	2.8	2.5	1.8	1.4	1.1	0.4	0.7	0.7	0.7	1.1
152.5°	2.5	2.5	1.8	1.4	0.7	0.4	0.4	0.4	0.7	0.7	0.7
155°	1.8	1.8	1.4	0.7	0.4	0.0	0.4	0.4	0.4	0.4	0.4
157.5°	1.1	1.1	0.7	0.4	0.0	0.0	0.0	0.4	0.4	0.4	0.4
160°	0.4	0.4	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°	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
2.5°	64.0	64.0	63.6	63.3	62.9	62.6	61.9	61.5	61.5	61.2	61.2
5°	68.9	68.6	67.5	66.5	65.1	64.4	63.3	62.6	62.2	61.9	61.9
7.5°	76.7	76.0	73.9	72.1	70.4	68.9	67.2	66.1	65.8	64.7	65.1
10°	87.7	86.6	84.2	81.0	77.8	75.7	73.2	71.8	71.1	70.4	69.7
12.5°	103.6	101.5	97.2	93.0	88.4	84.2	81.7	80.6	81.3	81.0	81.3
15°	125.5	121.6	115.3	108.9	100.8	95.5	94.8	94.4	94.4	94.8	95.5
17.5°	150.3	146.0	137.9	126.2	116.7	111.4	108.2	107.8	109.6	110.0	109.6
20°	182.8	178.6	165.8	149.9	136.1	127.6	123.4	123.4	125.9	126.6	128.0
22.5°	217.8	215.3	198.0	176.1	157.7	143.9	137.9	138.6	142.1	143.2	143.9
25°	266.6	256.7	235.5	205.4	178.9	160.5	152.4	152.7	156.6	159.5	160.5
27.5°	320.4	309.0	277.9	238.7	200.1	174.3	165.1	165.5	170.1	173.6	174.3
30°	378.0	366.7	326.0	271.6	219.9	186.7	174.3	174.7	180.0	183.9	184.6
32.5°	439.5	430.3	373.4	306.9	237.3	195.2	180.3	180.7	185.3	188.8	189.5
35°	517.3	496.4	429.6	338.4	251.8	200.5	183.2	182.8	187.4	190.9	191.6
37.5°	594.0	571.8	483.0	367.7	260.2	201.9	182.5	182.5	186.0	188.8	189.2
40°	677.5	640.3	539.2	390.7	263.4	199.8	180.3	180.0	182.8	184.2	184.6
42.5°	767.3	721.7	594.4	409.1	262.0	195.2	176.4	176.8	177.9	177.9	177.5
45°	848.3	801.9	641.8	421.1	257.1	189.2	171.8	172.2	172.6	169.7	169.7
47.5°	943.4	887.2	686.3	424.0	247.2	183.2	168.3	169.0	167.2	163.4	162.7
50°	1033.5	971.0	731.2	422.9	236.9	176.8	164.8	165.5	162.3	157.0	155.9
52.5°	1134.0	1053.7	773.7	417.6	224.5	171.1	162.3	163.0	159.5	153.1	152.0
55°	1233.0	1141.4	812.5	408.4	213.9	165.1	159.8	161.6	157.0	150.6	150.3
57.5°	1327.4	1228.4	844.7	395.0	202.6	160.9	158.1	160.2	155.9	149.6	149.2
60°	1411.5	1302.3	870.5	381.9	190.2	156.6	156.3	159.1	155.2	149.9	149.6
62.5°	1470.6	1368.7	882.2	364.2	180.3	152.0	154.2	157.0	154.2	149.9	149.9
65°	1517.6	1398.4	877.6	340.9	169.7	147.1	151.3	154.2	152.4	149.6	149.9
67.5°	1508.8	1397.7	847.6	312.9	159.8	141.8	146.4	150.3	148.9	147.8	147.4
70°	1454.3	1331.6	789.9	282.5	149.6	135.1	140.4	144.3	143.9	143.6	143.6
72.5°	1342.2	1217.0	703.6	247.5	139.0	128.0	132.6	136.1	136.8	136.5	135.4
75°	1195.8	1059.3	603.6	214.6	128.0	119.5	124.5	126.6	127.6	126.9	126.9
77.5°	981.2	883.3	479.8	181.4	116.3	110.0	113.5	115.3	116.7	114.9	113.9
80°	779.7	671.8	369.1	148.2	103.6	99.4	101.1	101.8	103.2	101.5	99.4
82.5°	547.4	478.8	267.7	120.9	90.9	87.3	88.4	88.0	88.8	86.3	83.4
85°	365.6	321.8	184.2	97.2	77.8	74.6	74.6	73.5	72.8	70.4	68.2
87.5°	229.5	203.7	126.6	76.7	65.4	62.9	61.5	59.4	58.7	56.9	54.5
90°	141.4	130.1	88.4	61.5	54.5	52.3	50.9	47.7	47.4	44.6	42.8
92.5°	92.6	84.9	65.4	49.9	45.6	43.5	41.7	38.9	38.5	36.4	35.4
95°	61.2	59.4	49.9	41.7	38.5	36.8	35.0	32.5	31.8	29.7	28.3
97.5°	44.9	44.9	41.0	35.4	32.9	31.1	30.1	27.9	26.5	24.4	23.7
100°	33.9	34.3	32.9	30.4	28.3	26.5	25.5	23.7	22.6	20.5	20.2
102.5°	26.2	26.9	27.2	25.8	24.4	23.0	21.9	20.5	19.1	17.0	16.6
105°	20.2	20.9	22.3	21.9	21.2	20.2	19.1	17.7	15.9	14.1	14.1
107.5°	15.6	16.3	18.4	18.7	18.4	17.3	16.6	15.2	13.8	12.0	12.0
110°	12.0	13.1	15.2	15.9	15.9	15.2	14.5	13.1	11.3	10.3	10.3



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CATALOG NUMBER: LXF.LXT-PA1-30-727-U-T2U-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	9.9	11.0	12.7	13.8	13.8	13.4	12.4	11.0	9.5	8.8	8.8
115°	8.1	9.2	11.0	12.0	12.0	11.7	11.0	9.5	8.1	7.8	7.8
117.5°	7.1	7.8	9.2	10.3	10.6	10.3	9.5	8.1	7.1	7.1	7.1
120°	6.4	7.1	8.1	8.8	9.2	8.8	8.1	7.1	6.0	6.4	6.4
122.5°	5.7	6.0	7.1	8.1	8.1	8.1	7.4	6.0	5.3	5.7	5.7
125°	5.0	5.7	6.4	7.1	7.4	7.1	6.4	5.3	4.6	5.0	5.3
127.5°	4.6	5.0	5.7	6.4	6.4	6.4	5.7	4.6	4.2	4.6	4.6
130°	4.2	4.6	5.0	5.7	5.7	5.7	5.0	3.9	3.9	4.2	4.2
132.5°	3.9	4.2	4.6	5.0	5.0	5.0	4.2	3.5	3.2	3.9	3.9
135°	3.5	3.5	3.9	4.2	4.2	4.2	3.5	2.8	2.8	3.5	3.5
137.5°	2.8	3.2	3.5	3.5	3.5	3.5	2.8	2.5	2.5	2.8	2.8
140°	2.5	2.5	2.8	2.8	2.8	2.8	2.5	1.8	2.1	2.5	2.5
142.5°	2.1	2.1	2.5	2.5	2.5	2.1	1.8	1.4	1.8	2.1	2.1
145°	1.4	1.8	1.8	1.8	1.8	1.4	1.1	1.1	1.4	1.8	1.8
147.5°	1.4	1.4	1.4	1.4	1.4	1.1	0.7	0.7	1.1	1.4	1.4
150°	1.1	1.1	1.4	1.4	1.1	0.7	0.4	0.4	0.7	1.1	1.1
152.5°	0.7	0.7	1.1	1.1	0.7	0.4	0.0	0.0	0.4	0.4	0.4
155°	0.7	0.7	0.7	0.7	0.7	0.4	0.0	0.0	0.0	0.0	0.0
157.5°	0.4	0.4	0.7	0.7	0.4	0.4	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.4	0.4	0.4	0.4	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)