

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: P414653

Luminaire Tested: **LXF.LXT-PA1-30-730-U-T4W-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414653
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-23)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-30-730-U-T4W-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3315 lumens
Efficiency: N/A
Efficacy: 106.9 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 - U3 - G2

Input Watts (W): 31
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

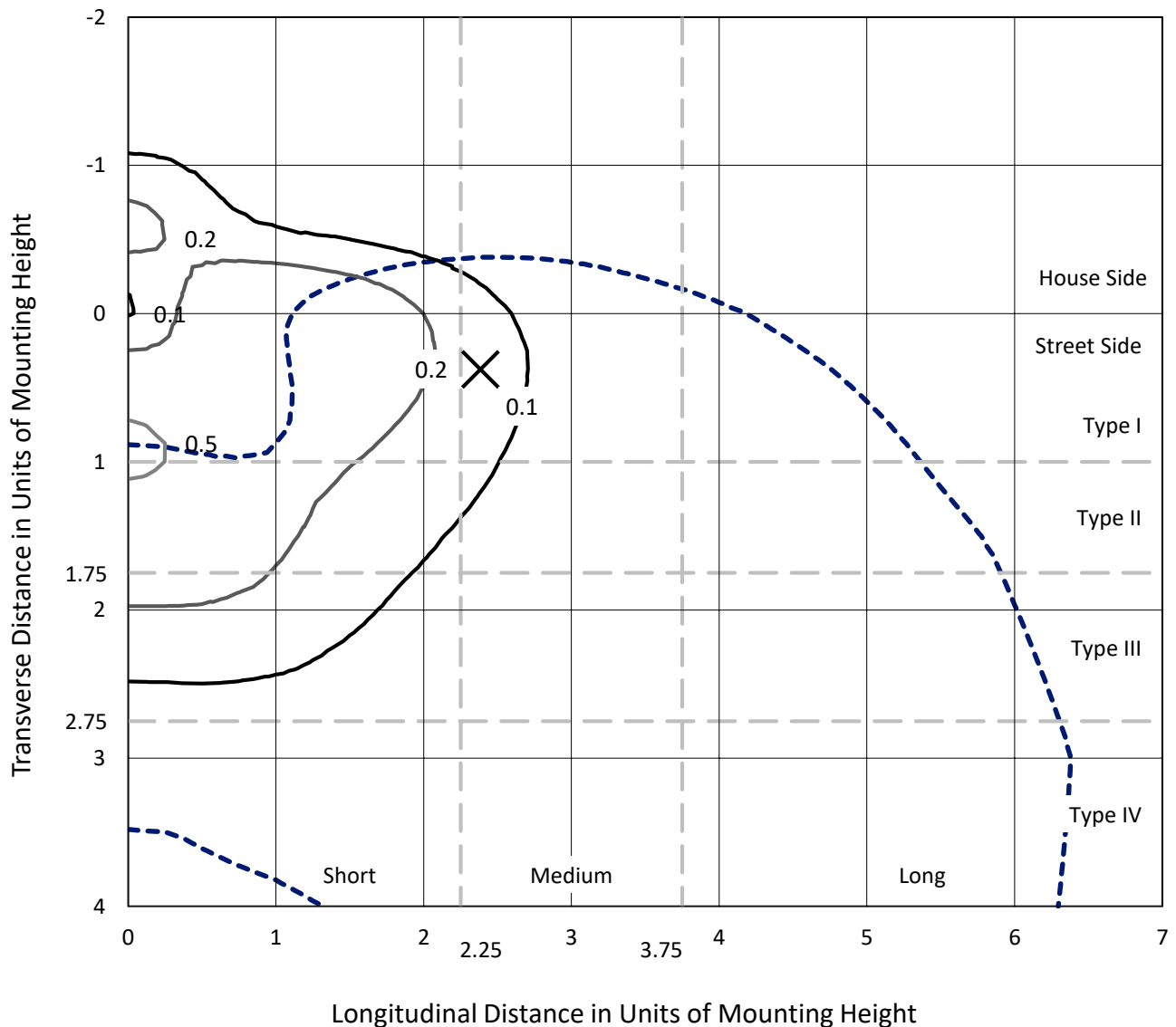


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

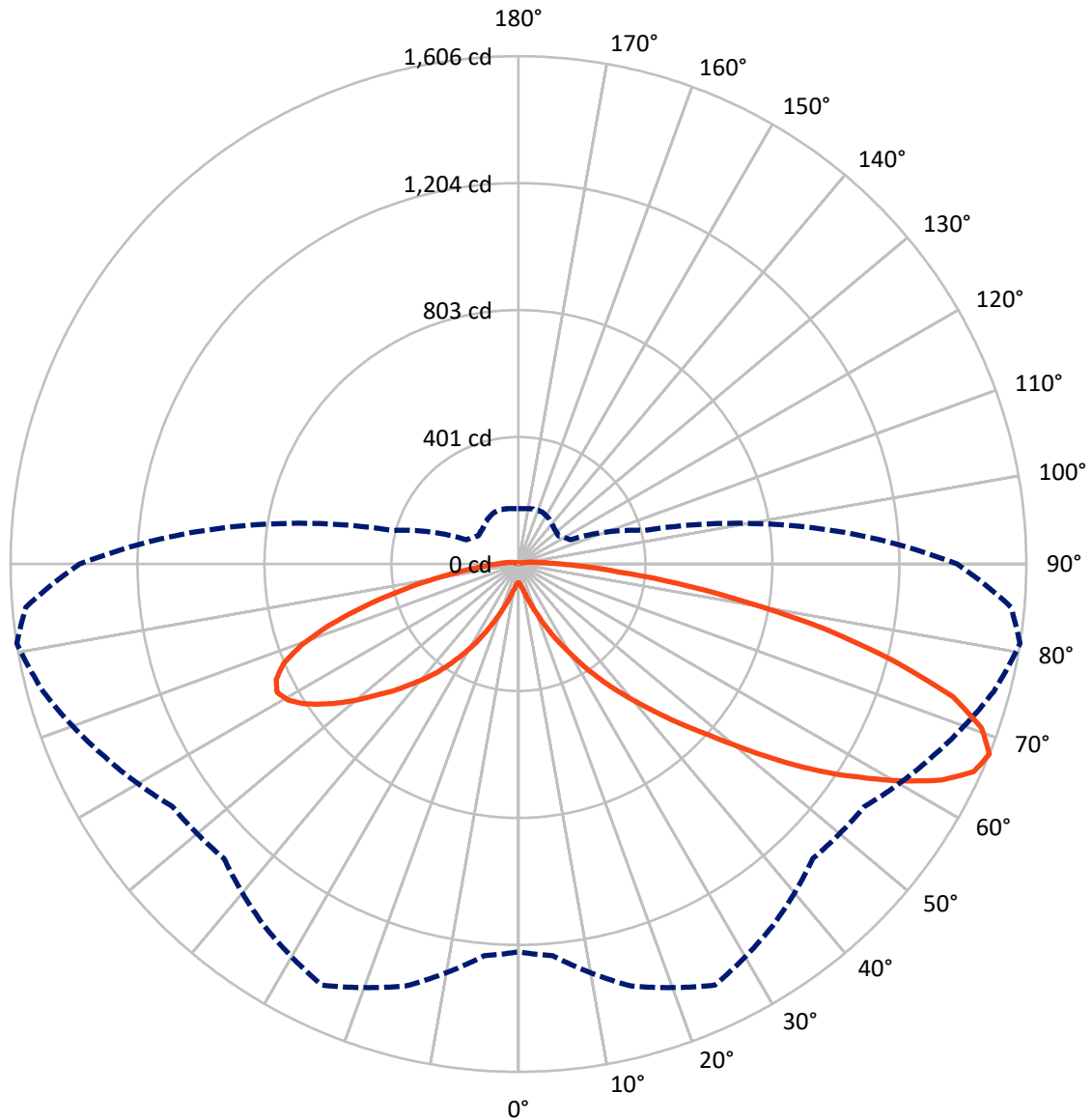


Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 81-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	725.7	51.6	777.3
	% Fixture	21.9	1.6	23.4
Street Side	Lumens	2472.9	64.9	2537.7
	% Fixture	74.6	2.0	76.6
Total	Lumens	3198.5	116.5	3315.0
	% Fixture	96.5	3.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.9	0.2
10°-20°	34.2	1.0
20°-30°	102.1	3.1
30°-40°	221.6	6.7
40°-50°	388.6	11.7
50°-60°	615.8	18.6
60°-70°	831.0	25.1
70°-80°	713.0	21.5
80°-90°	285.3	8.6
90°-100°	69.4	2.1
100°-110°	24.4	0.7
110°-120°	11.2	0.3
120°-130°	6.0	0.2
130°-140°	3.4	0.1
140°-150°	1.6	0.0
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3198.5	96.5
0°-180°	3315.0	100.0



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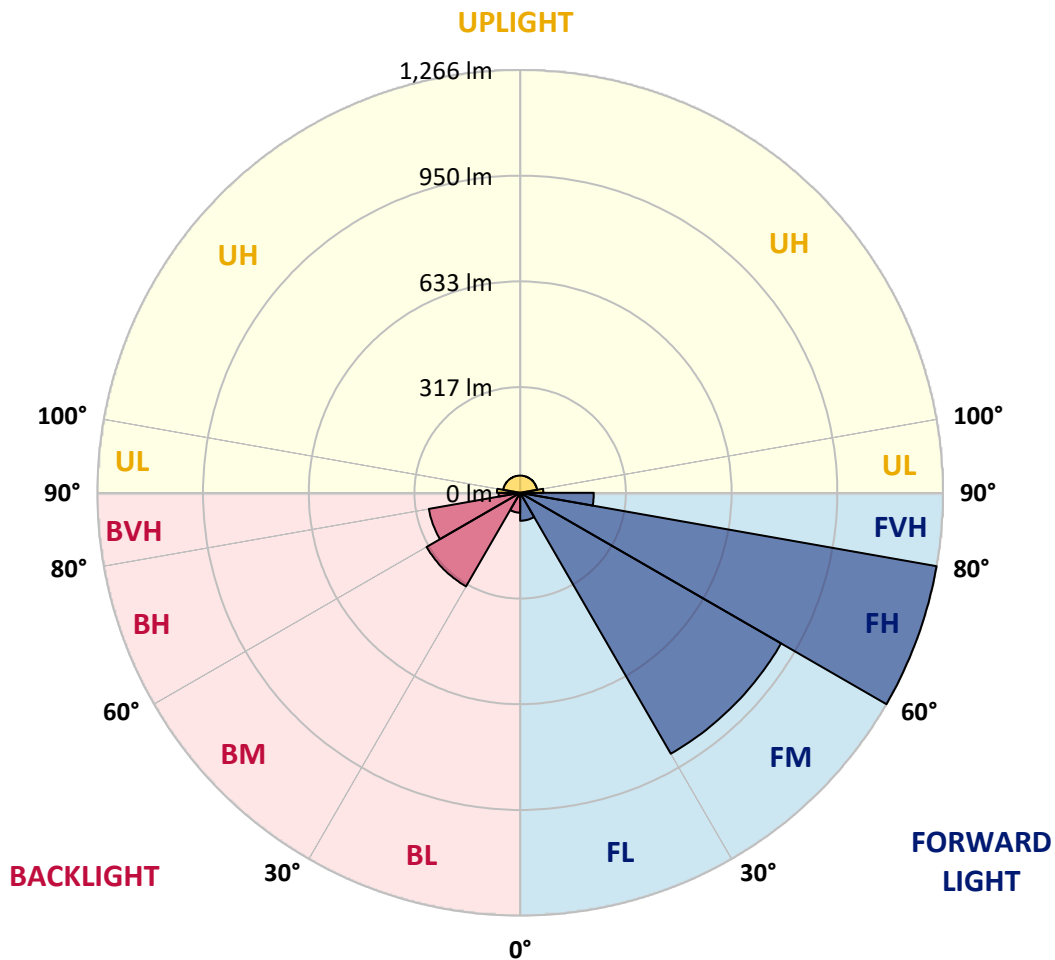
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	83.6	2.5			
FM	(30°-60°)	902.3	27.2			
FH	(60°-80°)	1266.4	38.2			G1/1800
FVH	(80°-90°)	220.5	6.7			G2/225
BL	(0°-30°)	59.5	1.8	B0/110		
BM	(30°-60°)	323.7	9.8	B1/1000		
BH	(60°-80°)	277.6	8.4	B1/500		G1/500
BVH	(80°-90°)	64.8	2.0			G1/100
UL	(90°-100°)	69.4	2.1		U3/500	
UH	(100°-180°)	51.6	1.6		U3/500	

BUG Rating: B1-U3-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
0°	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
2.5°	65.1	64.7	64.7	65.1	65.1	65.1	63.9	62.8	61.6	61.2	60.8
5°	73.9	73.2	73.2	73.2	72.8	71.6	70.1	68.5	67.0	66.2	65.5
7.5°	85.5	85.1	84.7	83.5	83.2	81.2	78.9	76.6	74.3	73.5	72.8
10°	101.3	100.9	98.9	98.6	96.6	94.7	91.2	87.8	84.7	83.5	82.4
12.5°	121.3	121.3	118.6	115.5	113.2	109.3	106.3	102.0	99.7	98.2	96.6
15°	147.5	145.9	142.5	139.0	132.8	128.2	123.6	121.3	119.7	117.8	115.5
17.5°	176.3	174.4	171.3	164.4	156.3	149.8	145.5	143.2	142.5	141.3	138.6
20°	211.0	208.7	204.4	193.7	184.8	175.9	170.9	169.8	170.6	168.6	165.9
22.5°	252.2	250.6	241.8	228.3	216.0	203.7	199.0	199.8	201.4	204.1	202.5
25°	299.1	295.3	286.8	267.6	247.2	235.2	230.6	234.1	241.0	244.9	241.8
27.5°	353.8	351.5	334.6	309.5	283.0	266.8	263.3	273.4	285.3	288.4	288.4
30°	411.6	413.1	388.5	358.8	325.3	303.0	298.8	313.0	333.4	335.3	340.3
32.5°	484.7	482.0	456.2	407.7	368.1	339.2	336.5	356.5	382.3	392.3	392.3
35°	561.3	558.6	527.1	469.7	414.7	377.3	379.2	400.4	435.4	448.1	450.1
37.5°	649.5	640.7	606.4	535.2	465.5	421.6	418.1	450.1	491.3	509.4	509.4
40°	746.5	741.5	693.8	609.5	517.4	467.4	464.7	501.7	551.7	571.7	575.6
42.5°	840.9	834.3	790.0	681.5	577.5	515.9	516.3	556.7	614.1	641.8	646.8
45°	940.6	934.4	885.9	770.0	642.6	576.0	571.3	621.8	690.3	721.1	726.9
47.5°	1029.1	1024.9	982.9	858.2	723.4	640.3	634.1	692.2	771.6	805.8	823.1
50°	1125.4	1120.0	1080.7	952.1	803.9	708.8	708.4	770.8	870.1	911.7	925.9
52.5°	1203.5	1197.4	1170.0	1046.4	883.6	788.9	782.3	858.9	972.1	1031.8	1038.7
55°	1275.5	1273.2	1264.0	1147.7	980.6	867.4	871.7	962.5	1088.4	1155.8	1166.2
57.5°	1327.5	1330.6	1334.8	1249.3	1075.7	955.2	962.9	1066.5	1209.3	1272.1	1286.3
60°	1362.9	1373.7	1401.8	1337.9	1172.7	1051.1	1064.2	1169.3	1325.6	1392.6	1404.1
62.5°	1365.6	1377.2	1442.6	1420.7	1265.9	1149.2	1164.3	1275.1	1429.5	1503.8	1505.0
65°	1314.4	1330.2	1434.9	1465.3	1347.9	1243.2	1256.7	1369.5	1516.5	1582.4	1558.5
67.5°	1226.2	1242.8	1381.4	1469.2	1398.7	1316.3	1335.6	1442.6	1555.8	1605.5	1563.1
70°	1098.4	1114.6	1260.5	1411.0	1408.0	1359.5	1384.9	1472.6	1548.5	1553.5	1493.8
72.5°	930.6	929.0	1086.5	1284.0	1356.8	1356.0	1396.4	1449.9	1464.9	1436.8	1348.3
75°	712.6	732.7	876.3	1100.3	1240.1	1294.8	1335.6	1356.0	1312.9	1225.9	1130.0
77.5°	510.5	527.1	657.6	867.4	1066.9	1167.7	1212.8	1203.1	1096.1	994.1	884.0
80°	338.0	347.7	456.6	647.6	860.1	977.1	1031.4	994.5	858.6	728.0	632.9
82.5°	202.9	218.7	287.2	455.1	638.0	772.3	805.4	743.8	612.9	506.7	437.0
85°	122.8	126.3	178.6	291.1	445.5	555.6	587.1	520.9	403.1	316.5	262.6
87.5°	68.9	75.1	110.5	189.4	299.5	385.8	396.9	343.0	252.9	196.4	164.4
90°	40.4	44.7	67.8	117.4	191.0	249.5	252.6	207.5	149.8	118.2	105.1
92.5°	25.8	28.9	45.0	75.5	122.8	162.1	157.9	128.2	95.9	78.9	68.1
95°	18.5	20.0	31.6	52.0	82.4	102.0	100.5	80.5	64.3	55.1	50.1
97.5°	13.9	15.4	24.6	38.1	55.4	68.5	67.0	53.5	44.7	40.4	38.5
100°	11.6	12.3	20.0	30.0	41.2	49.3	48.5	39.7	33.5	30.4	29.6
102.5°	10.0	10.8	16.6	24.3	32.7	38.1	36.6	30.8	25.4	22.7	21.9
105°	8.9	9.2	14.2	20.8	27.0	30.0	29.6	24.6	19.6	16.9	16.6
107.5°	8.1	8.5	12.3	17.7	22.7	25.4	24.6	20.0	15.0	13.1	12.7
110°	7.3	7.7	10.8	15.4	19.3	21.6	20.4	16.6	11.9	10.0	10.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
112.5°	6.9	6.9	9.6	13.1	16.6	18.5	17.3	13.5	9.2	8.1	8.5
115°	6.5	6.5	8.5	11.6	14.6	16.2	14.6	11.2	7.7	6.9	6.9
117.5°	6.2	6.2	7.7	10.4	13.1	14.2	12.7	9.6	6.5	5.8	6.2
120°	5.8	6.2	7.3	9.2	11.6	12.3	11.2	8.1	5.4	5.4	5.8
122.5°	5.8	5.8	6.9	8.5	10.4	10.8	9.6	6.9	5.0	5.0	5.0
125°	5.8	5.8	6.5	7.7	9.2	9.6	8.1	5.8	4.6	4.6	4.6
127.5°	5.8	5.8	6.2	7.3	8.1	8.5	7.3	5.4	4.2	4.2	4.6
130°	5.4	5.8	5.8	6.5	7.3	7.3	6.2	4.6	3.9	3.9	4.2
132.5°	5.4	5.4	5.8	6.2	6.5	6.5	5.4	4.2	3.5	3.9	3.9
135°	5.4	5.4	5.4	5.8	6.2	5.8	4.6	3.5	3.1	3.5	3.5
137.5°	5.0	5.0	5.0	5.4	5.4	5.0	4.2	3.1	3.1	3.1	3.1
140°	4.6	4.6	4.6	4.6	5.0	4.6	3.5	2.7	2.7	2.7	2.7
142.5°	4.2	4.2	4.2	4.2	4.2	3.9	3.1	2.3	2.3	2.3	2.3
145°	3.9	3.9	3.9	3.9	3.5	3.1	2.3	1.9	1.9	2.3	2.3
147.5°	3.1	3.1	3.1	3.1	3.1	2.7	1.9	1.5	1.9	1.9	1.9
150°	2.7	2.7	2.7	2.7	2.3	2.3	1.5	1.5	1.5	1.9	1.9
152.5°	1.9	1.9	1.9	2.3	1.9	1.5	1.2	1.2	1.5	1.5	1.5
155°	1.5	1.5	1.5	1.5	1.5	1.2	0.8	1.2	1.5	1.5	1.5
157.5°	0.8	1.2	1.2	1.2	1.2	1.2	0.8	1.2	1.2	1.2	1.2
160°	0.4	0.4	0.8	0.8	1.2	1.2	0.8	0.8	1.2	1.2	1.2
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°	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
2.5°	60.8	60.4	60.1	59.7	59.3	59.3	58.9	58.5	58.1	57.8	57.8
5°	65.1	64.3	63.1	62.4	61.6	61.6	60.8	60.4	59.7	59.3	59.3
7.5°	71.6	71.2	68.9	67.8	66.6	66.2	65.5	64.7	63.9	63.9	63.9
10°	81.2	80.1	78.2	75.1	73.9	73.2	72.0	71.2	71.2	71.6	71.6
12.5°	95.9	92.8	90.1	85.9	83.5	82.0	81.2	81.6	83.5	84.3	83.5
15°	112.8	112.0	105.5	99.3	94.7	91.6	93.6	95.9	98.6	99.3	100.5
17.5°	136.3	133.6	124.7	115.9	107.4	105.9	108.2	112.0	115.1	117.4	119.4
20°	164.4	159.8	149.0	133.6	124.0	121.7	123.2	128.6	134.4	139.0	139.4
22.5°	199.8	192.9	173.6	154.4	140.1	136.3	138.2	146.7	155.2	160.9	160.5
25°	238.3	229.8	204.1	176.3	156.7	149.8	153.2	164.4	176.3	183.3	184.0
27.5°	281.4	273.0	237.2	197.5	171.7	161.3	167.1	179.8	196.0	204.4	206.0
30°	332.3	320.7	270.3	220.2	185.6	172.1	177.5	194.0	211.8	223.7	225.2
32.5°	385.0	366.9	303.4	238.7	195.2	179.0	185.2	204.4	224.8	237.9	240.2
35°	439.7	417.3	336.9	254.5	202.1	183.3	189.4	211.0	232.5	246.8	248.7
37.5°	501.3	471.6	367.3	266.4	206.0	184.4	190.6	212.1	234.1	247.9	249.9
40°	563.3	523.6	392.7	273.7	206.4	183.3	188.3	209.1	229.8	241.8	243.7
42.5°	629.9	578.3	418.1	275.7	204.4	180.2	184.4	202.9	220.6	229.8	231.0
45°	704.6	641.4	439.7	274.1	199.0	175.6	178.6	194.4	208.3	212.5	214.4
47.5°	783.5	703.8	456.2	269.5	193.7	170.6	172.5	185.6	194.4	194.8	195.2
50°	879.7	779.6	476.6	263.0	186.3	165.9	167.1	177.5	181.7	179.8	179.0
52.5°	985.2	860.9	489.7	252.6	179.8	161.7	162.9	170.9	172.5	168.2	168.6
55°	1100.0	936.7	500.9	242.6	172.9	159.0	161.3	167.9	167.9	162.5	162.1
57.5°	1207.0	1014.1	505.9	229.8	167.1	157.1	160.9	167.5	166.7	161.7	161.3
60°	1310.6	1077.2	499.7	217.5	163.2	156.3	163.2	170.2	169.4	165.2	164.8
62.5°	1382.2	1116.9	484.3	205.2	159.8	157.5	165.9	174.0	174.0	169.4	169.4
65°	1413.0	1112.3	452.8	192.9	157.1	158.2	169.8	178.3	177.5	173.6	172.9
67.5°	1387.2	1070.3	410.4	181.0	154.8	159.0	171.7	180.6	179.8	175.6	174.8
70°	1304.4	982.2	359.2	170.2	151.7	157.9	172.5	180.2	179.0	175.2	173.6
72.5°	1139.6	845.1	305.7	159.8	147.1	155.2	170.2	177.1	175.9	172.9	170.9
75°	938.6	681.5	252.6	148.2	141.3	150.2	165.2	171.3	169.8	167.1	165.2
77.5°	717.7	514.8	208.7	137.4	134.4	143.6	158.2	162.9	161.3	159.0	157.9
80°	507.8	366.5	167.9	125.5	124.4	133.6	145.9	150.9	150.2	147.8	145.9
82.5°	334.2	243.7	134.0	112.0	112.8	122.4	131.7	134.4	134.0	132.1	129.7
85°	206.0	160.5	105.5	96.6	100.1	107.8	115.5	115.9	114.7	114.3	110.9
87.5°	131.3	109.7	82.8	82.0	87.0	93.6	97.0	95.5	96.3	96.3	93.6
90°	85.5	77.0	66.2	68.5	73.9	78.9	80.5	76.2	78.5	77.4	76.2
92.5°	62.0	57.4	53.9	57.0	62.4	67.0	66.2	61.6	62.8	62.8	62.4
95°	47.0	44.7	45.0	48.1	52.4	55.4	53.9	50.1	50.4	49.7	48.5
97.5°	37.0	36.6	38.1	40.4	44.3	46.2	44.7	41.2	40.8	39.7	39.3
100°	29.3	29.6	32.0	34.7	37.0	38.5	37.3	33.9	32.3	30.4	30.0
102.5°	22.7	23.5	26.6	28.9	31.2	32.3	31.2	28.5	25.8	23.9	23.5
105°	17.7	18.5	21.9	24.3	26.2	27.0	26.2	23.1	20.4	18.1	18.1
107.5°	13.9	14.6	18.1	20.8	21.9	22.7	21.6	19.3	16.2	14.2	14.2
110°	11.2	11.9	15.0	17.3	18.5	19.3	18.1	15.4	13.1	11.6	11.6



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CATALOG NUMBER: LXF.LXT-PA1-30-730-U-T4W-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	8.9	10.0	12.3	14.6	15.8	16.2	15.0	13.1	10.4	9.6	9.6
115°	7.7	8.5	10.4	12.3	13.5	13.5	12.7	10.8	8.5	8.1	8.1
117.5°	6.5	7.3	8.9	10.8	11.6	11.6	10.8	8.9	7.3	6.9	6.9
120°	6.2	6.5	7.7	9.2	10.0	10.0	9.2	7.7	6.2	6.2	6.2
122.5°	5.4	5.8	6.9	8.1	8.9	8.9	8.1	6.5	5.4	5.8	5.8
125°	5.0	5.4	6.2	6.9	7.7	7.7	6.9	5.8	5.0	5.0	5.0
127.5°	4.6	5.0	5.4	6.2	6.5	6.5	6.2	5.0	4.6	4.6	4.6
130°	4.2	4.6	5.0	5.4	5.8	5.8	5.0	4.2	4.2	4.2	4.2
132.5°	4.2	4.2	4.2	4.6	5.0	5.0	4.6	3.9	3.9	3.9	3.9
135°	3.9	3.9	3.9	3.9	4.2	4.2	3.9	3.5	3.5	3.5	3.5
137.5°	3.5	3.5	3.5	3.5	3.9	3.9	3.5	3.1	3.1	3.1	3.1
140°	3.1	3.1	3.1	2.7	3.1	3.1	2.7	2.7	2.7	2.7	2.7
142.5°	2.3	2.7	2.3	2.3	2.3	2.3	2.3	1.9	2.3	2.3	2.3
145°	2.3	2.3	2.3	1.9	1.9	1.9	1.9	1.5	1.9	1.9	1.9
147.5°	1.9	1.9	1.9	1.5	1.2	1.5	1.2	1.5	1.5	1.5	1.5
150°	1.9	1.9	1.5	1.5	1.2	0.8	0.8	1.2	1.2	1.2	1.2
152.5°	1.5	1.5	1.5	1.2	0.8	0.4	0.4	0.8	0.8	0.8	0.8
155°	1.5	1.5	1.2	1.2	0.8	0.4	0.4	0.4	0.4	0.4	0.4
157.5°	1.2	1.2	1.2	0.8	0.8	0.4	0.0	0.4	0.0	0.0	0.0
160°	1.2	1.2	1.2	0.8	0.4	0.4	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)