

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: P414626

Luminaire Tested: **LXF.LXT-PA1-30-730-U-T2R-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414626
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-6)
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-T2R-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3251 lumens
Efficiency: N/A
Efficacy: 104.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - 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

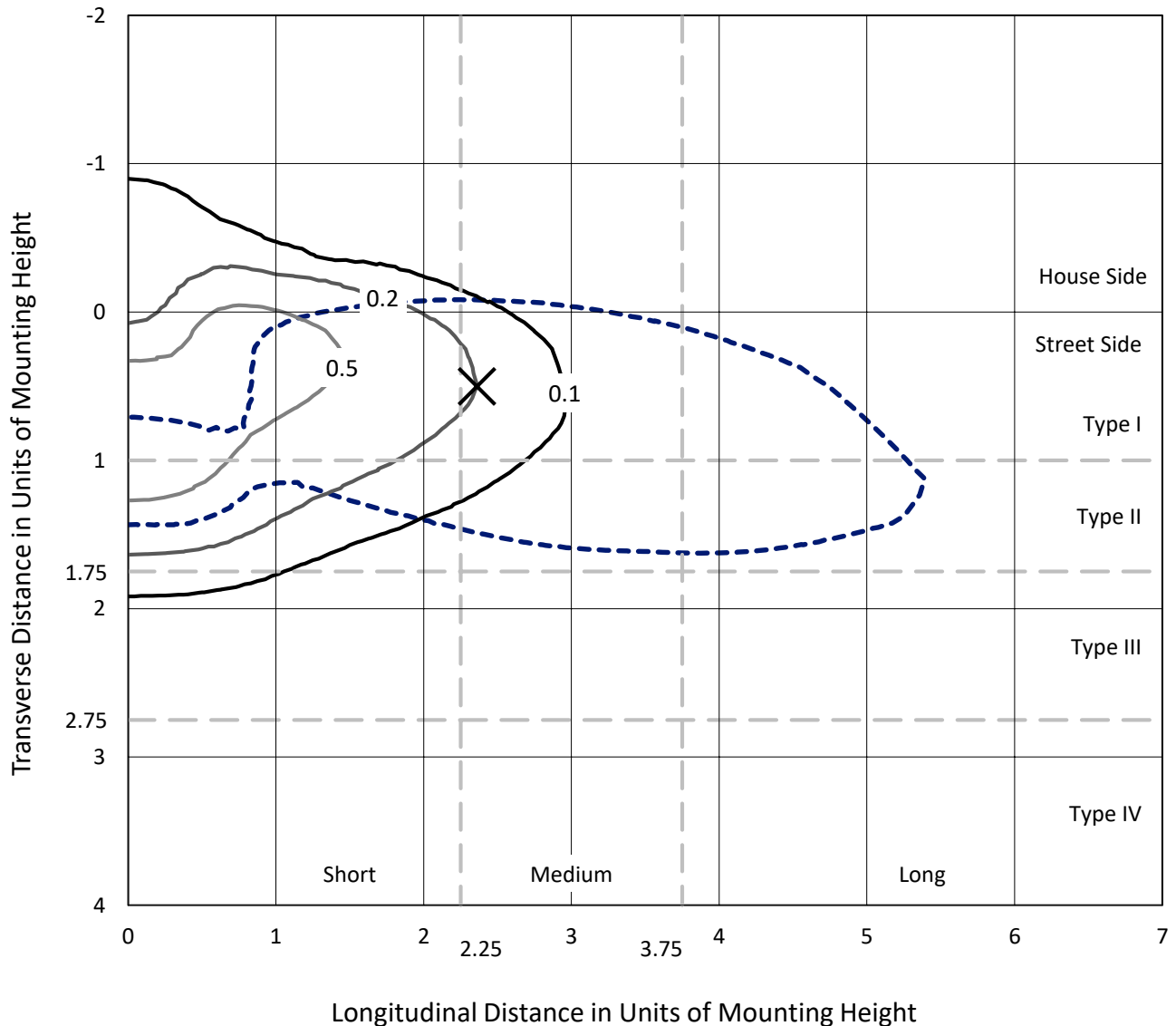


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

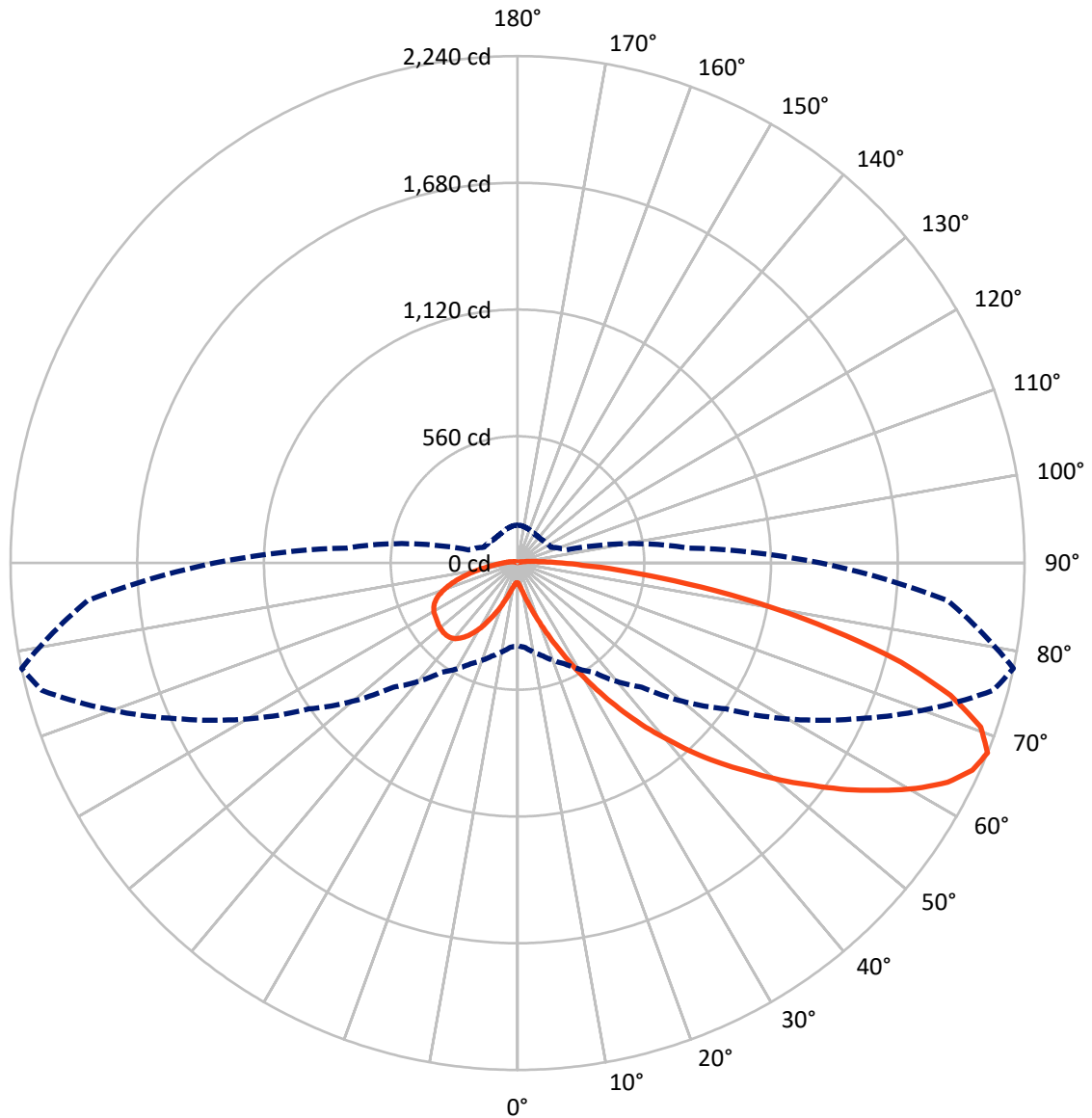


Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type II - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	617.7	50.2	667.9
	% Fixture	19.0	1.5	20.5
Street Side	Lumens	2532.3	50.8	2583.1
	% Fixture	77.9	1.6	79.5
Total	Lumens	3150.0	101.0	3251.0
	% Fixture	96.9	3.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.1	0.3
10°-20°	50.5	1.6
20°-30°	153.9	4.7
30°-40°	344.3	10.6
40°-50°	567.3	17.5
50°-60°	698.2	21.5
60°-70°	677.2	20.8
70°-80°	469.0	14.4
80°-90°	179.5	5.5
90°-100°	51.5	1.6
100°-110°	22.3	0.7
110°-120°	12.0	0.4
120°-130°	7.5	0.2
130°-140°	4.6	0.1
140°-150°	2.3	0.1
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3150.0	96.9
0°-180°	3251.0	100.0

Coefficient of Utilization



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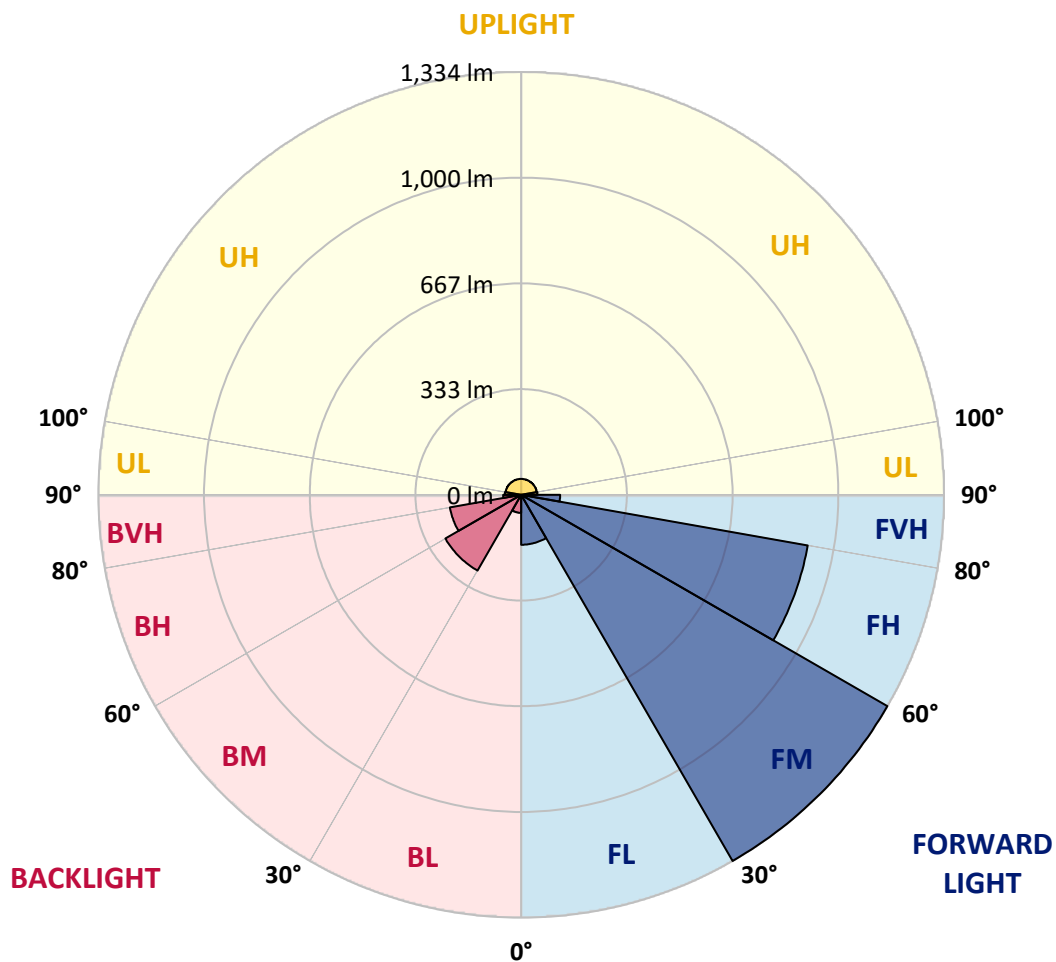
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	157.6	4.8			
FM	(30°-60°)	1333.9	41.0			
FH	(60°-80°)	917.9	28.2			G1/1800
FVH	(80°-90°)	122.9	3.8			G2/225
BL	(0°-30°)	56.9	1.7	B0/110		
BM	(30°-60°)	275.9	8.5	B1/1000		
BH	(60°-80°)	228.3	7.0	B1/500		G1/500
BVH	(80°-90°)	56.7	1.7			G1/100
UL	(90°-100°)	51.5	1.6		U3/500	
UH	(100°-180°)	50.2	1.5		U3/500	

BUG Rating: B1-U3-G2

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
2.5°	105.5	104.7	104.7	104.3	102.8	101.3	99.0	96.3	93.9	92.4	90.9
5°	128.2	125.5	126.3	124.0	121.3	118.2	114.0	108.2	102.8	101.6	97.4
7.5°	155.6	152.1	153.2	150.5	145.5	139.0	133.2	124.8	116.7	114.0	107.8
10°	190.2	186.7	184.8	181.0	175.2	166.7	157.9	146.7	135.5	131.7	124.0
12.5°	231.4	228.7	226.0	220.6	211.4	200.6	189.4	177.1	162.5	157.5	145.5
15°	282.6	280.3	274.5	267.2	253.7	241.8	224.9	213.7	195.6	189.4	174.8
17.5°	340.0	335.4	329.6	318.8	303.4	288.4	274.1	255.3	235.6	230.6	212.5
20°	410.8	409.3	398.1	380.0	363.1	342.7	328.8	310.3	288.4	281.5	257.6
22.5°	494.8	491.7	478.6	451.3	425.8	399.7	388.5	369.2	353.5	343.8	312.6
25°	595.6	589.9	568.3	535.6	499.4	468.2	449.7	442.8	430.5	415.8	377.7
27.5°	703.1	703.5	673.8	625.3	574.9	537.5	523.3	526.0	510.9	502.9	456.3
30°	835.9	826.3	787.4	727.7	659.6	611.4	603.0	616.4	612.2	596.4	541.4
32.5°	968.7	965.3	917.2	835.5	746.2	693.4	687.3	716.6	715.4	699.6	629.5
35°	1101.2	1097.4	1037.7	942.6	836.7	776.2	770.8	809.3	823.2	807.4	728.9
37.5°	1234.4	1225.6	1165.5	1050.0	922.5	852.1	854.4	902.9	935.3	921.0	824.7
40°	1351.9	1350.3	1280.2	1148.9	1005.3	929.1	944.5	1008.4	1048.1	1028.4	922.2
42.5°	1442.0	1435.4	1373.4	1231.0	1079.6	1001.1	1027.7	1112.4	1163.2	1149.7	1018.0
45°	1483.5	1479.7	1430.0	1292.9	1137.4	1063.5	1105.4	1208.6	1277.9	1263.3	1116.6
47.5°	1472.4	1468.9	1442.0	1323.4	1175.5	1117.0	1174.0	1302.2	1398.4	1378.8	1214.8
50°	1405.4	1408.8	1400.4	1314.5	1189.0	1151.3	1239.0	1395.8	1516.3	1507.0	1309.5
52.5°	1282.9	1292.9	1306.4	1268.3	1176.7	1166.7	1286.0	1477.0	1633.3	1632.9	1414.6
55°	1123.9	1130.8	1177.8	1170.9	1129.7	1166.3	1320.7	1557.1	1765.0	1766.9	1523.2
57.5°	955.3	951.8	1014.2	1050.4	1061.2	1136.6	1337.6	1627.9	1881.3	1894.8	1637.9
60°	770.8	783.5	842.1	916.0	956.4	1078.1	1331.8	1678.0	1993.3	2023.0	1742.3
62.5°	626.5	620.7	685.0	765.5	847.5	994.2	1289.9	1701.5	2100.0	2133.1	1838.5
65°	473.2	485.1	543.3	614.5	711.9	888.3	1222.1	1689.1	2165.8	2208.2	1899.0
67.5°	365.0	374.3	423.9	490.9	590.3	775.8	1124.3	1631.8	2175.8	2240.1	1907.5
70°	282.2	289.5	324.6	381.6	476.3	651.9	986.8	1522.4	2121.2	2171.2	1829.7
72.5°	224.9	227.9	252.6	298.8	376.2	531.7	837.5	1350.7	1956.0	2000.6	1670.3
75°	176.7	181.4	201.4	236.0	293.8	425.1	684.6	1141.2	1704.6	1750.8	1450.4
77.5°	140.5	145.2	160.2	184.4	227.9	327.7	534.8	929.9	1391.5	1420.0	1155.5
80°	111.7	114.0	126.7	144.8	177.1	252.6	402.7	705.8	1053.8	1083.5	858.6
82.5°	84.7	86.6	99.3	115.1	138.2	191.4	291.1	496.3	742.3	750.4	582.9
85°	60.8	64.3	74.7	87.8	105.9	142.5	208.7	336.9	473.6	485.9	369.2
87.5°	43.1	44.7	55.1	67.4	80.9	105.5	145.2	221.8	291.5	288.0	224.1
90°	29.3	30.4	39.7	49.7	61.6	78.9	101.3	139.4	179.0	173.3	140.5
92.5°	19.6	21.6	29.3	37.7	48.1	60.8	72.0	91.3	110.9	105.5	89.3
95°	14.6	15.4	22.3	30.0	38.5	46.6	53.5	62.4	70.8	69.3	61.6
97.5°	11.6	12.3	18.1	24.6	31.2	37.7	41.6	44.7	49.3	48.9	44.3
100°	10.0	10.4	15.4	21.2	27.0	31.6	33.9	34.7	36.2	35.4	33.9
102.5°	8.5	9.2	13.5	18.5	23.5	27.0	28.5	27.7	27.3	26.6	25.0
105°	7.7	8.1	11.9	16.6	20.8	23.5	23.9	22.7	20.8	20.4	19.6
107.5°	7.3	7.7	10.8	15.0	18.5	20.8	20.4	18.9	16.6	15.8	15.4
110°	6.9	7.3	10.0	13.5	16.9	18.5	18.1	15.8	13.1	12.3	12.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
112.5°	6.9	6.9	9.2	12.3	15.4	16.6	15.8	13.5	10.8	10.4	10.8
115°	6.5	6.9	8.9	11.6	13.9	15.0	13.9	11.6	9.2	8.9	9.2
117.5°	6.5	6.9	8.5	10.8	13.1	13.5	12.3	10.0	7.7	7.7	8.5
120°	6.5	6.9	8.1	10.0	11.9	12.3	11.2	8.9	6.9	6.9	7.7
122.5°	6.9	6.9	7.7	9.6	11.2	11.6	10.0	7.7	6.5	6.5	7.3
125°	6.9	6.9	7.7	8.9	10.4	10.4	9.2	6.9	5.8	5.8	6.9
127.5°	6.9	6.9	7.7	8.5	9.6	9.6	8.5	6.5	5.4	5.4	6.5
130°	6.9	7.3	7.3	8.1	8.9	8.9	7.7	5.8	5.4	5.4	6.2
132.5°	7.3	7.3	7.3	7.7	8.5	8.1	6.5	5.4	5.0	5.0	5.8
135°	6.9	6.9	6.9	7.3	7.7	7.3	5.8	4.6	4.6	5.0	5.4
137.5°	6.9	6.9	6.9	6.5	6.9	6.5	5.4	4.2	4.2	4.6	5.0
140°	6.2	6.5	6.2	6.2	6.2	5.8	4.6	3.5	3.9	4.2	4.2
142.5°	5.8	5.8	5.8	5.4	5.4	5.0	3.9	3.1	3.5	3.5	3.9
145°	5.4	5.4	5.0	4.6	4.6	3.9	3.1	2.7	3.1	3.1	3.5
147.5°	4.6	4.6	4.6	3.9	3.5	3.1	1.9	1.9	2.3	2.7	2.7
150°	3.9	3.9	3.9	3.5	2.7	2.3	1.5	1.9	1.9	1.9	2.3
152.5°	3.1	3.1	3.1	2.7	2.3	1.5	1.2	1.5	1.5	1.5	1.9
155°	1.9	1.9	1.9	1.9	1.5	0.8	1.2	1.2	1.5	1.5	1.5
157.5°	1.2	1.2	1.2	1.2	0.8	0.8	0.8	1.2	1.2	1.2	1.2
160°	0.4	0.4	0.8	0.8	1.2	0.8	0.8	0.8	0.8	0.8	0.8
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°	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
2.5°	89.7	88.6	86.6	84.7	82.8	80.9	79.3	78.9	77.8	77.8	77.4
5°	95.1	93.2	88.2	84.3	80.1	76.6	73.9	72.8	71.6	70.8	70.8
7.5°	104.7	100.5	93.2	86.6	80.9	75.9	72.4	70.5	68.9	68.2	68.2
10°	117.8	112.4	101.3	91.6	83.2	77.0	73.2	70.8	69.7	68.9	68.5
12.5°	137.1	129.4	113.2	99.3	88.6	80.9	75.9	74.3	74.7	74.7	74.7
15°	163.3	152.1	130.1	111.3	95.9	85.9	82.4	82.4	83.6	83.9	83.2
17.5°	197.1	182.1	151.3	123.2	105.1	94.7	90.9	90.9	92.8	93.9	93.9
20°	238.7	217.2	173.7	139.0	115.9	104.7	100.1	100.5	102.8	104.3	104.3
22.5°	286.5	261.1	202.1	155.2	127.8	113.6	108.6	109.0	112.8	114.7	115.5
25°	348.5	309.2	230.6	171.7	139.0	122.1	117.1	117.4	122.4	125.1	125.1
27.5°	413.9	362.7	259.5	187.9	148.6	129.8	124.8	125.9	131.3	133.6	134.4
30°	483.6	419.7	288.4	201.8	156.3	135.5	130.5	132.8	137.8	141.3	141.7
32.5°	561.0	475.5	311.5	212.9	162.9	140.5	135.5	139.0	143.2	147.1	147.5
35°	641.9	531.0	331.9	220.6	167.1	144.8	139.4	142.8	147.1	150.5	150.2
37.5°	714.2	576.4	345.4	223.7	169.4	147.1	142.1	145.5	149.4	152.1	152.1
40°	785.5	623.8	351.9	221.4	169.4	148.2	143.2	147.1	150.5	152.1	152.1
42.5°	853.2	658.8	350.8	216.8	168.6	148.6	144.0	147.5	150.5	151.3	151.3
45°	911.8	691.1	343.8	209.1	166.0	148.2	144.4	147.5	149.8	149.8	150.2
47.5°	981.1	716.6	333.8	201.0	162.9	147.5	143.6	147.1	149.0	149.0	148.6
50°	1043.4	741.2	320.3	192.1	160.2	146.7	143.2	146.7	149.0	148.2	148.2
52.5°	1109.7	763.1	306.5	184.0	157.5	146.3	143.2	146.7	149.0	148.6	149.0
55°	1170.9	785.1	289.2	176.7	155.9	145.9	143.6	147.1	150.2	150.2	149.8
57.5°	1249.4	796.6	275.7	171.7	154.4	145.9	144.0	147.9	151.7	152.1	152.5
60°	1304.9	811.7	264.5	168.6	154.4	146.7	145.2	149.0	154.0	155.9	157.1
62.5°	1345.3	810.9	251.0	167.1	154.8	147.5	146.3	150.2	156.7	159.4	160.9
65°	1366.5	797.0	237.2	166.0	155.2	148.2	147.1	150.9	158.6	163.6	165.2
67.5°	1338.8	759.7	222.9	164.0	154.8	147.9	147.5	151.7	159.8	166.3	167.1
70°	1271.4	696.5	206.0	159.8	153.2	146.7	146.3	149.8	158.6	166.3	167.1
72.5°	1143.6	616.4	186.4	153.6	149.8	144.0	142.8	146.3	154.8	162.5	162.5
75°	972.6	523.6	167.1	144.8	142.8	139.4	138.2	140.2	147.5	154.8	155.2
77.5°	761.6	417.0	146.7	132.5	134.4	131.7	130.5	131.7	138.2	143.2	143.6
80°	579.5	317.7	127.1	117.8	122.4	121.7	120.5	120.1	124.8	128.6	127.4
82.5°	399.7	226.0	105.1	102.4	107.4	108.6	108.2	105.5	109.0	112.0	110.1
85°	258.0	159.8	87.8	86.6	91.3	93.2	92.8	90.9	91.6	95.1	91.3
87.5°	166.7	114.7	72.4	71.6	75.5	77.8	77.8	73.9	75.5	78.9	74.7
90°	104.3	81.2	60.5	60.1	62.8	63.9	62.4	60.1	60.8	62.8	61.2
92.5°	73.9	61.2	50.4	50.4	51.2	52.0	51.2	48.5	50.1	50.1	50.1
95°	53.9	48.5	43.9	43.1	42.7	42.4	42.0	40.0	41.6	41.2	40.0
97.5°	41.2	38.9	37.3	37.0	36.2	35.8	35.4	33.9	35.0	34.3	33.5
100°	32.3	32.0	32.0	32.0	31.2	30.0	30.0	29.6	29.6	28.5	28.5
102.5°	25.8	25.8	27.3	27.7	27.0	26.2	26.2	25.8	25.4	23.9	23.5
105°	20.4	21.2	23.5	23.9	23.5	22.7	22.3	22.3	21.6	19.6	19.6
107.5°	16.6	17.3	20.0	20.8	20.4	20.0	19.6	19.3	18.5	16.6	16.6
110°	13.5	14.6	16.9	18.1	17.7	17.3	17.3	16.6	15.8	14.2	14.2



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CATALOG NUMBER: LXF.LXT-PA1-30-730-U-T2R-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	11.6	12.7	14.6	15.8	15.8	15.4	15.0	14.6	13.5	12.3	12.3
115°	10.0	11.2	13.1	13.9	13.9	13.5	13.1	12.7	11.6	10.8	11.2
117.5°	9.2	10.0	11.6	12.3	12.3	11.9	11.6	11.2	10.4	10.0	10.0
120°	8.5	9.2	10.4	11.2	11.2	10.8	10.4	10.0	9.2	9.2	9.2
122.5°	7.7	8.5	9.6	10.0	10.0	9.6	9.2	8.9	8.1	8.5	8.5
125°	7.3	7.7	8.5	9.2	9.2	8.9	8.5	7.7	7.3	7.7	7.7
127.5°	6.9	7.3	8.1	8.5	8.5	8.1	7.3	6.9	6.5	6.9	6.9
130°	6.5	6.9	7.3	7.7	7.7	6.9	6.5	6.2	6.2	6.5	6.5
132.5°	6.2	6.5	6.5	6.9	6.9	6.5	5.8	5.4	5.4	5.8	5.8
135°	5.8	5.8	6.2	6.2	6.2	5.8	5.0	4.6	5.0	5.4	5.4
137.5°	5.0	5.4	5.4	5.8	5.4	5.0	4.2	4.2	4.6	4.6	4.6
140°	4.6	4.6	5.0	5.0	4.6	4.2	3.9	3.5	3.9	4.2	4.2
142.5°	4.2	4.2	4.2	4.2	4.2	3.5	3.1	3.1	3.5	3.5	3.5
145°	3.5	3.5	3.9	3.5	3.5	2.7	2.3	2.7	3.1	3.1	3.1
147.5°	2.7	3.1	3.1	3.1	2.7	1.9	1.5	2.3	2.7	2.7	2.7
150°	2.3	2.3	2.3	2.3	2.3	1.5	1.2	1.9	2.3	2.3	2.3
152.5°	1.9	1.9	2.3	2.3	1.9	1.2	0.8	1.5	1.9	1.9	1.5
155°	1.5	1.5	1.9	1.9	1.5	0.8	0.8	1.2	1.5	1.5	1.2
157.5°	1.2	1.5	1.5	1.5	1.2	0.8	0.4	0.8	1.2	1.2	1.2
160°	1.2	1.2	1.2	1.5	1.2	0.8	0.4	0.8	1.2	0.8	0.8
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)