

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: P414644

Luminaire Tested: **LXF.LXT-PA1-30-730-U-T3-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414644
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-PA1-30-730-U-T3-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 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: 3351 lumens
Efficiency: N/A
Efficacy: 108.1 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

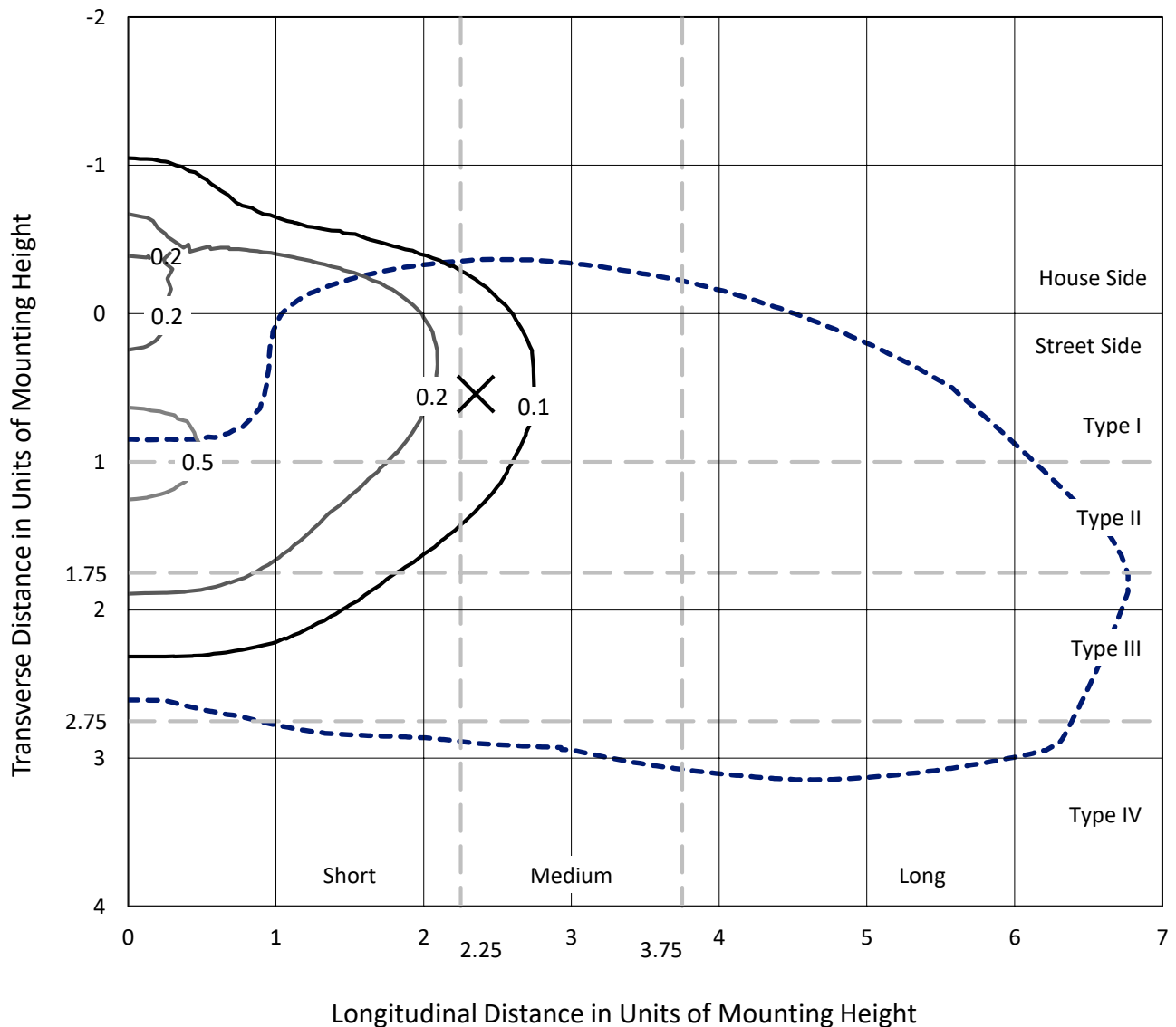
Input Watts (W): 31
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

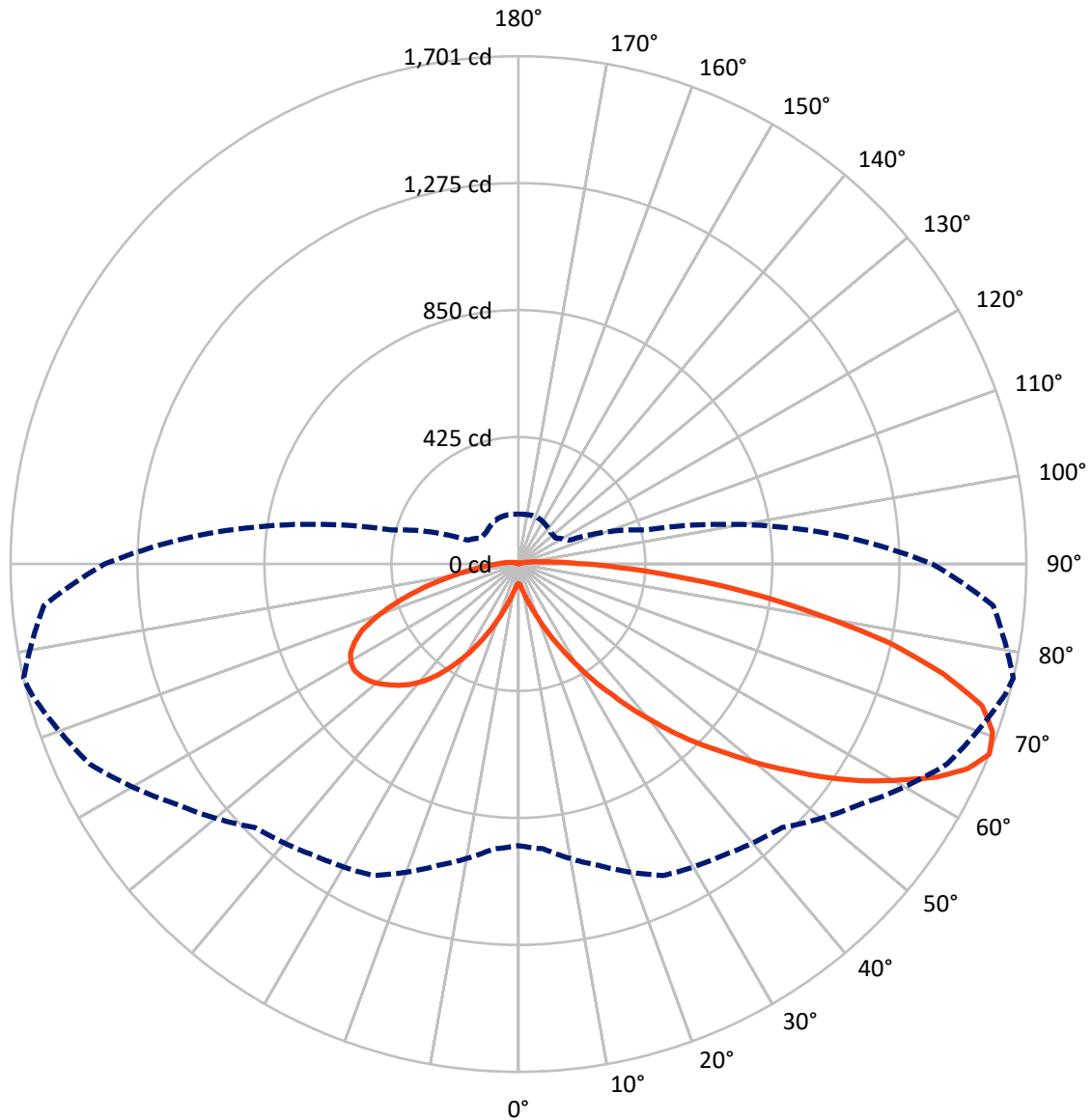
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 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	764.5	50.3	814.8
	% Fixture	22.8	1.5	24.3
Street Side	Lumens	2480.1	56.1	2536.2
	% Fixture	74.0	1.7	75.7
Total	Lumens	3244.6	106.4	3351.0
	% Fixture	96.8	3.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.6	0.2
10°-20°	38.9	1.2
20°-30°	116.1	3.5
30°-40°	257.2	7.7
40°-50°	460.6	13.7
50°-60°	689.8	20.6
60°-70°	813.1	24.3
70°-80°	620.7	18.5
80°-90°	240.6	7.2
90°-100°	61.3	1.8
100°-110°	23.2	0.7
110°-120°	10.9	0.3
120°-130°	5.8	0.2
130°-140°	3.2	0.1
140°-150°	1.4	0.0
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3244.6	96.8
0°-180°	3351.0	100.0



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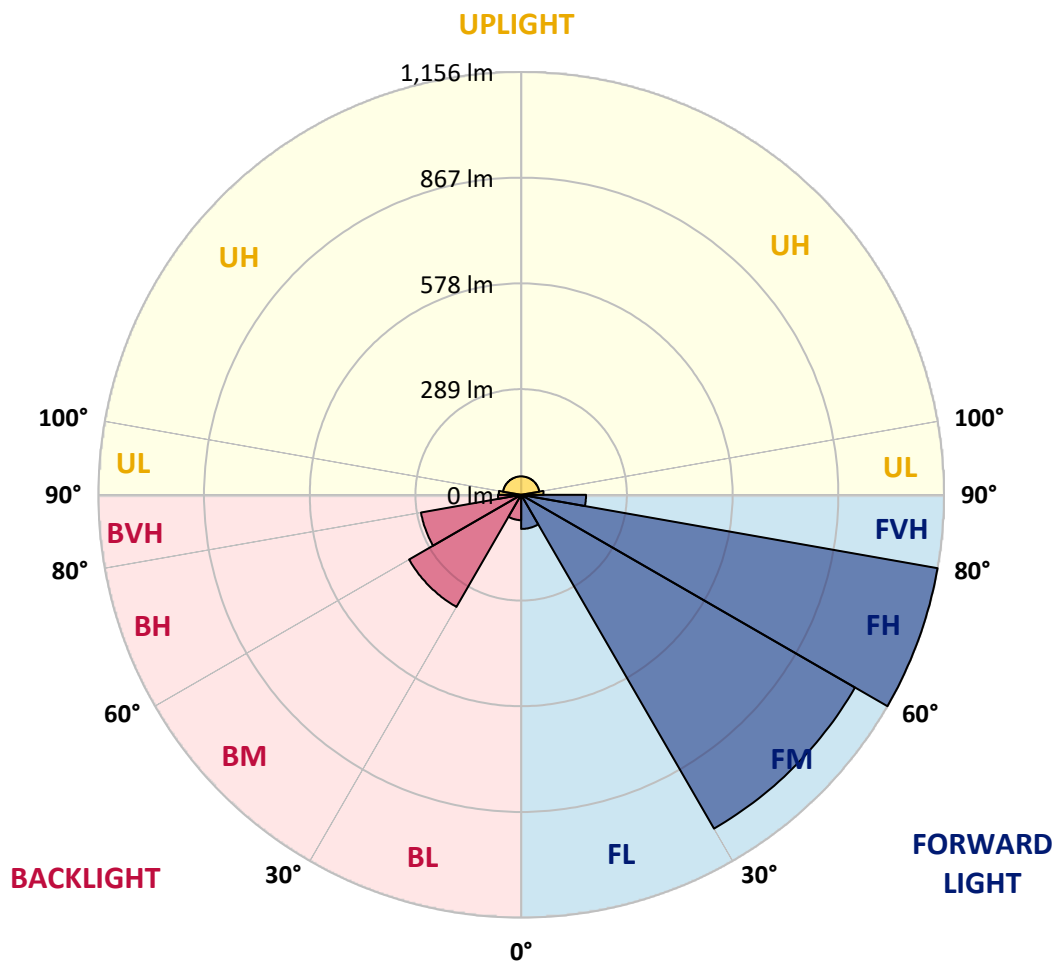
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	93.4	2.8			
FM	(30°-60°)	1053.6	31.4			
FH	(60°-80°)	1155.8	34.5			G1/1800
FVH	(80°-90°)	177.2	5.3			G2/225
BL	(0°-30°)	69.2	2.1	B0/110		
BM	(30°-60°)	353.9	10.6	B1/1000		
BH	(60°-80°)	278.0	8.3	B1/500		G1/500
BVH	(80°-90°)	63.4	1.9			G1/100
UL	(90°-100°)	61.3	1.8		U3/500	
UH	(100°-180°)	50.3	1.5		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°	77°	85°
0°	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
2.5°	69.7	69.3	69.7	69.7	70.1	69.3	68.5	68.1	67.8	67.8	67.4
5°	77.0	76.2	76.6	77.0	76.6	75.8	74.7	74.3	73.5	73.5	72.8
7.5°	87.4	87.4	87.0	86.2	87.0	85.9	85.1	84.7	83.5	83.2	82.8
10°	103.2	102.4	102.0	101.3	100.5	100.1	98.6	98.6	96.6	97.4	96.2
12.5°	123.6	122.0	122.4	120.9	118.6	117.0	116.3	115.9	115.9	115.9	115.5
15°	148.2	147.1	146.7	143.2	140.9	139.0	137.4	137.8	139.7	140.1	138.6
17.5°	176.3	178.2	174.8	171.7	168.2	164.4	164.4	164.4	165.9	167.1	166.3
20°	215.6	211.7	207.9	202.9	197.1	194.0	192.5	197.1	199.8	201.7	201.0
22.5°	258.7	254.9	250.6	242.5	234.5	228.7	228.7	234.5	240.6	242.9	243.7
25°	307.6	309.9	299.5	287.2	272.6	267.6	268.3	276.8	286.0	288.0	292.6
27.5°	368.0	368.0	359.2	339.6	320.3	310.3	311.1	324.9	338.8	341.5	344.9
30°	441.6	438.9	426.9	400.8	375.4	356.5	360.0	376.9	398.8	401.2	405.4
32.5°	523.6	523.2	500.1	467.8	431.2	408.9	410.4	435.0	462.4	468.9	473.5
35°	614.4	616.7	586.7	539.7	497.4	467.4	472.4	500.5	532.4	534.0	539.7
37.5°	718.4	717.2	681.4	630.2	567.1	535.1	531.3	569.4	602.9	612.9	609.8
40°	833.5	821.2	786.5	723.0	645.2	602.5	603.3	642.5	688.0	691.0	690.3
42.5°	947.1	941.7	899.7	813.9	730.7	680.3	682.2	719.9	766.9	778.8	770.3
45°	1069.5	1056.0	1010.6	922.0	820.8	766.1	761.1	803.5	855.0	864.3	856.2
47.5°	1168.4	1160.0	1119.9	1025.6	917.4	847.3	839.6	891.6	950.5	951.3	939.4
50°	1250.4	1246.2	1214.6	1131.1	1011.0	938.2	930.1	981.7	1043.3	1053.3	1036.0
52.5°	1321.3	1314.3	1298.5	1216.2	1096.0	1016.0	1014.8	1071.4	1148.4	1153.0	1136.5
55°	1344.0	1348.2	1345.9	1287.8	1179.6	1093.0	1102.6	1178.8	1247.7	1263.9	1232.7
57.5°	1340.5	1340.5	1362.5	1335.9	1235.4	1162.6	1183.4	1275.4	1365.1	1370.2	1332.8
60°	1288.1	1289.3	1342.0	1349.4	1275.4	1222.3	1271.2	1373.6	1465.6	1468.7	1433.7
62.5°	1212.7	1210.0	1287.4	1324.3	1280.4	1257.7	1334.0	1459.5	1560.3	1570.7	1518.0
65°	1094.9	1099.9	1183.4	1257.0	1254.3	1271.2	1382.9	1536.8	1637.3	1652.3	1576.1
67.5°	942.8	957.4	1045.2	1150.7	1191.5	1247.7	1400.9	1584.2	1687.4	1700.5	1595.7
70°	781.1	777.7	872.8	1005.2	1084.9	1187.7	1380.9	1586.1	1688.5	1684.3	1553.8
72.5°	592.5	607.1	692.6	827.3	945.5	1073.7	1315.9	1536.8	1623.9	1623.1	1442.9
75°	421.2	430.0	505.5	640.2	781.1	940.5	1186.1	1429.4	1493.3	1470.2	1282.4
77.5°	278.0	286.0	351.1	473.9	604.4	773.0	1011.7	1242.0	1292.8	1268.9	1077.6
80°	172.9	176.7	226.0	323.4	439.3	599.0	819.2	1015.6	1035.6	1011.3	829.6
82.5°	102.8	105.9	141.3	207.5	313.0	436.2	617.5	778.4	785.0	768.4	598.3
85°	63.1	67.4	90.1	138.6	208.7	307.6	430.4	540.9	545.5	526.3	395.4
87.5°	41.2	43.5	61.2	90.1	140.5	206.0	288.4	360.0	349.6	337.6	249.9
90°	28.1	29.6	42.0	62.0	95.1	136.3	182.5	225.2	208.7	199.4	151.7
92.5°	19.6	21.2	30.8	44.7	65.8	91.2	118.6	134.7	127.8	123.6	95.5
95°	15.4	16.2	23.5	34.6	48.9	64.7	78.5	83.5	79.3	76.2	64.3
97.5°	12.3	13.1	19.6	28.1	38.1	48.1	54.7	56.2	52.0	50.4	44.7
100°	10.4	11.2	16.6	23.5	31.2	38.1	40.8	40.4	37.0	36.2	32.3
102.5°	9.2	9.6	14.6	20.4	26.6	30.8	32.3	30.4	26.9	26.6	24.3
105°	8.1	8.9	12.7	17.7	22.7	26.2	26.2	23.9	20.0	19.6	18.5
107.5°	7.7	7.7	11.2	15.4	19.6	21.9	21.9	19.2	15.8	15.0	14.2
110°	6.9	7.3	10.0	13.5	16.9	18.9	18.5	15.4	11.9	11.5	11.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	6.5	6.5	8.9	11.9	14.6	16.2	15.4	12.7	9.6	9.2	8.9
115°	6.2	6.2	8.1	10.8	13.1	14.2	13.1	10.4	7.7	7.3	7.7
117.5°	5.8	6.2	7.3	9.6	11.5	12.3	11.2	8.9	6.5	6.2	6.5
120°	5.8	5.8	6.9	8.5	10.0	10.8	9.6	7.3	5.4	5.4	5.8
122.5°	5.8	5.8	6.5	7.7	8.9	9.2	8.1	6.2	5.0	5.0	5.4
125°	5.4	5.4	6.2	6.9	8.1	8.1	7.3	5.4	4.2	4.2	5.0
127.5°	5.4	5.4	5.8	6.5	7.3	7.3	6.2	4.6	3.8	4.2	4.6
130°	5.0	5.0	5.4	5.8	6.5	6.2	5.4	4.2	3.5	3.8	4.2
132.5°	5.0	5.0	5.0	5.4	5.8	5.4	4.6	3.5	3.5	3.5	3.8
135°	4.6	4.6	5.0	5.0	5.0	4.6	3.8	3.1	3.1	3.1	3.5
137.5°	4.6	4.6	4.6	4.6	4.6	4.2	3.5	2.7	2.7	2.7	3.1
140°	4.2	4.2	4.2	3.8	3.8	3.5	2.7	2.3	2.3	2.3	2.7
142.5°	3.8	3.8	3.8	3.5	3.5	2.7	2.3	1.9	1.9	2.3	2.3
145°	3.5	3.5	3.5	3.1	2.7	2.3	1.5	1.5	1.9	1.9	2.3
147.5°	2.7	2.7	2.7	2.7	1.9	1.9	1.2	1.5	1.5	1.9	1.9
150°	2.3	2.3	2.3	2.3	1.5	1.2	0.8	1.2	1.5	1.5	1.5
152.5°	1.9	1.9	1.9	1.9	1.2	0.8	0.8	1.2	1.2	1.2	1.5
155°	1.2	1.2	1.5	1.2	0.8	0.4	0.8	0.8	1.2	1.2	1.2
157.5°	0.8	0.8	0.8	0.8	0.4	0.4	0.4	0.8	0.8	0.8	1.2
160°	0.4	0.4	0.8	0.8	0.8	0.4	0.4	0.4	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°	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
2.5°	67.0	67.4	67.0	66.6	66.6	66.2	66.2	66.2	66.2	65.8	65.8
5°	73.1	72.8	72.4	71.6	70.8	70.1	70.1	69.7	69.3	68.9	68.9
7.5°	81.6	81.6	80.8	79.7	78.5	77.8	77.0	76.6	75.5	75.5	75.1
10°	94.7	94.7	92.4	91.2	89.3	87.4	86.6	85.5	84.7	84.3	83.9
12.5°	113.6	112.4	110.1	106.3	102.4	99.3	97.4	96.6	97.0	97.0	97.4
15°	137.8	135.5	132.0	124.7	117.8	113.2	112.0	112.0	112.4	112.4	112.8
17.5°	166.7	163.2	155.5	146.3	136.3	130.1	127.4	127.4	128.2	129.4	130.5
20°	201.7	198.7	186.7	170.5	155.5	147.4	142.8	142.4	144.0	147.4	146.7
22.5°	241.4	237.9	220.2	196.7	175.9	162.8	157.8	159.4	163.2	165.5	165.5
25°	289.1	283.3	256.8	222.5	196.0	177.5	170.9	173.2	179.0	181.7	182.9
27.5°	340.3	332.6	297.2	250.6	211.7	189.4	182.5	185.6	192.5	196.7	197.9
30°	401.2	387.7	339.6	276.8	226.0	197.9	190.6	196.3	204.0	209.0	210.2
32.5°	465.1	444.3	376.1	299.1	236.4	203.7	196.3	203.3	211.7	217.5	217.9
35°	529.0	505.1	416.6	317.2	241.8	206.4	198.7	206.7	216.0	220.6	221.7
37.5°	598.3	565.2	451.6	328.8	244.1	206.0	198.7	206.7	215.6	219.4	220.2
40°	664.9	624.1	482.8	335.7	243.3	202.9	196.0	204.4	212.1	214.8	214.4
42.5°	739.6	681.0	507.8	336.1	237.9	198.3	192.5	199.8	205.2	204.8	205.2
45°	810.8	741.5	526.3	333.4	230.6	192.5	187.9	194.4	196.3	194.4	194.0
47.5°	888.9	801.5	540.9	326.5	221.7	187.1	182.9	187.9	188.3	184.0	183.3
50°	971.7	861.6	554.4	313.8	211.4	180.9	178.2	182.5	181.7	174.8	173.6
52.5°	1052.5	922.4	562.8	298.4	201.0	175.6	174.4	178.6	176.3	168.2	166.7
55°	1138.8	978.6	564.4	283.0	191.0	170.9	170.9	175.6	172.9	164.4	163.2
57.5°	1223.1	1037.5	558.6	262.9	181.3	165.9	168.2	173.6	171.7	163.2	162.5
60°	1302.0	1081.8	542.8	244.1	172.5	162.5	166.3	172.5	170.9	164.0	163.2
62.5°	1363.2	1111.1	517.8	225.6	164.8	159.0	164.4	170.5	170.9	165.2	165.5
65°	1391.7	1111.1	481.6	207.1	157.8	155.5	162.5	169.4	170.2	166.7	166.7
67.5°	1385.5	1082.6	440.8	187.9	151.3	151.3	159.8	167.1	168.6	167.1	167.1
70°	1320.5	1005.6	385.0	172.5	144.8	146.3	155.5	163.2	165.5	165.9	165.5
72.5°	1214.6	889.7	327.2	156.3	137.8	141.3	150.1	157.8	160.9	161.7	161.3
75°	1051.0	755.3	270.6	142.8	130.5	134.7	144.0	150.5	154.0	155.5	154.8
77.5°	844.7	599.4	221.7	129.4	122.0	126.7	135.5	140.9	145.1	147.1	145.5
80°	643.7	446.2	176.3	115.9	111.6	116.6	124.3	130.1	134.0	134.7	133.6
82.5°	457.0	316.5	141.3	103.2	100.5	104.7	111.6	115.5	120.1	119.7	117.4
85°	299.5	214.8	110.9	89.7	88.5	91.2	96.6	98.9	103.6	103.6	100.9
87.5°	194.8	142.4	87.4	75.5	76.6	78.9	81.6	83.5	85.5	85.9	83.5
90°	124.3	97.4	69.7	64.3	65.4	67.4	67.4	67.0	70.1	70.8	68.9
92.5°	81.6	69.3	57.7	54.7	55.4	55.8	55.8	54.3	57.0	57.4	55.8
95°	57.4	52.0	47.7	47.0	47.0	47.0	46.2	44.3	46.6	46.6	45.8
97.5°	43.1	40.4	40.0	40.0	40.0	39.7	38.5	37.7	38.5	38.5	38.1
100°	32.3	32.0	33.1	33.9	34.3	33.9	33.1	32.0	32.0	30.4	30.8
102.5°	24.6	25.4	27.7	28.9	28.9	28.9	28.5	26.9	26.2	24.6	24.3
105°	19.2	20.0	22.7	24.3	24.6	25.0	24.3	22.7	21.2	19.6	19.2
107.5°	15.0	16.2	18.5	20.4	21.2	21.2	20.8	19.2	17.3	15.4	15.4
110°	12.3	13.1	15.4	17.3	18.1	18.1	17.7	15.8	13.9	12.3	12.3



REPORT NUMBER: P414644

CATALOG NUMBER: LXF.LXT-PA1-30-730-U-T3-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	10.0	10.8	13.1	14.6	15.4	15.8	15.0	13.5	11.5	10.0	10.0
115°	8.5	9.2	11.2	12.3	13.1	13.1	12.7	11.2	9.6	8.5	8.5
117.5°	7.3	8.1	9.6	10.8	11.2	11.5	10.8	9.6	8.1	7.3	7.3
120°	6.5	6.9	8.5	9.2	9.6	9.6	9.2	8.1	6.9	6.5	6.5
122.5°	5.8	6.5	7.3	8.1	8.5	8.5	8.1	6.9	6.2	5.8	6.2
125°	5.4	5.8	6.5	7.3	7.3	7.3	6.9	6.2	5.4	5.4	5.4
127.5°	5.0	5.4	5.8	6.2	6.5	6.5	6.2	5.4	5.0	5.0	5.0
130°	4.6	5.0	5.4	5.4	5.8	5.8	5.4	4.6	4.6	4.6	4.6
132.5°	4.2	4.6	4.6	5.0	5.0	5.0	4.6	4.2	4.2	4.2	4.2
135°	3.8	3.8	4.2	4.2	4.2	4.2	3.8	3.8	3.8	3.8	3.8
137.5°	3.5	3.5	3.8	3.5	3.8	3.5	3.5	3.1	3.5	3.5	3.5
140°	3.1	3.1	3.1	3.1	3.1	3.1	2.7	2.7	3.1	3.1	3.1
142.5°	2.7	2.7	2.7	2.3	2.3	2.3	2.3	2.3	2.7	2.7	2.7
145°	2.3	2.3	2.3	1.9	1.9	1.5	1.9	1.9	2.3	2.3	2.3
147.5°	1.9	1.9	1.9	1.9	1.5	1.2	1.2	1.5	1.9	1.9	1.9
150°	1.5	1.9	1.9	1.5	1.2	0.8	0.8	1.2	1.5	1.5	1.5
152.5°	1.5	1.5	1.5	1.2	0.8	0.4	0.4	0.8	1.2	1.2	1.2
155°	1.2	1.2	1.2	1.2	0.8	0.4	0.0	0.8	0.8	0.8	0.8
157.5°	1.2	1.2	1.2	0.8	0.4	0.0	0.0	0.4	0.8	0.4	0.4
160°	0.8	0.8	0.8	0.8	0.4	0.4	0.0	0.4	0.4	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)