

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: P414834

Luminaire Tested: **LXF.LXT-PA1-30-827-U-T2R-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414834
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-PA1-30-827-U-T2R-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 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: 2624 lumens
Efficiency: N/A
Efficacy: 84.6 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 - U2 - G1

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

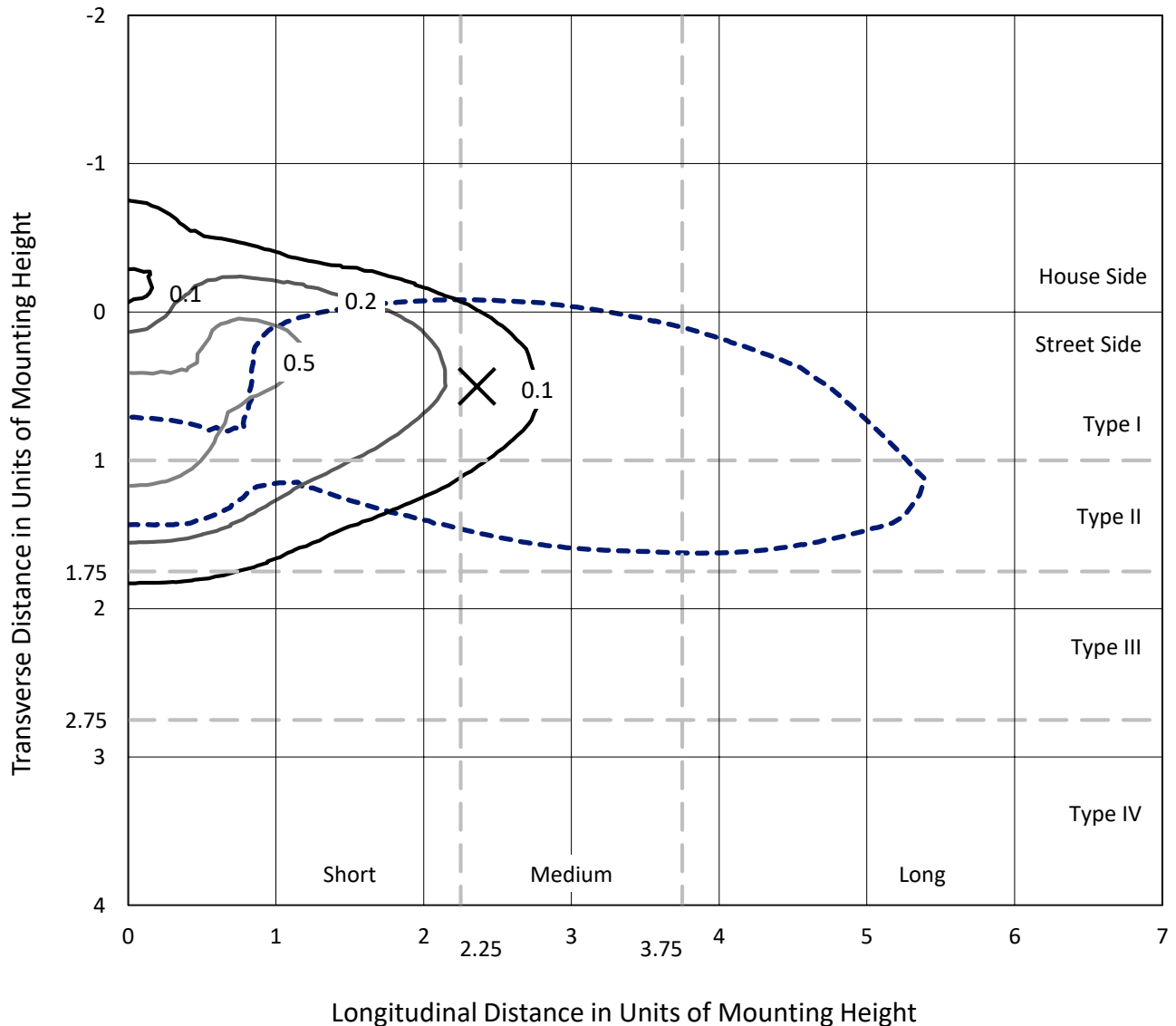


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

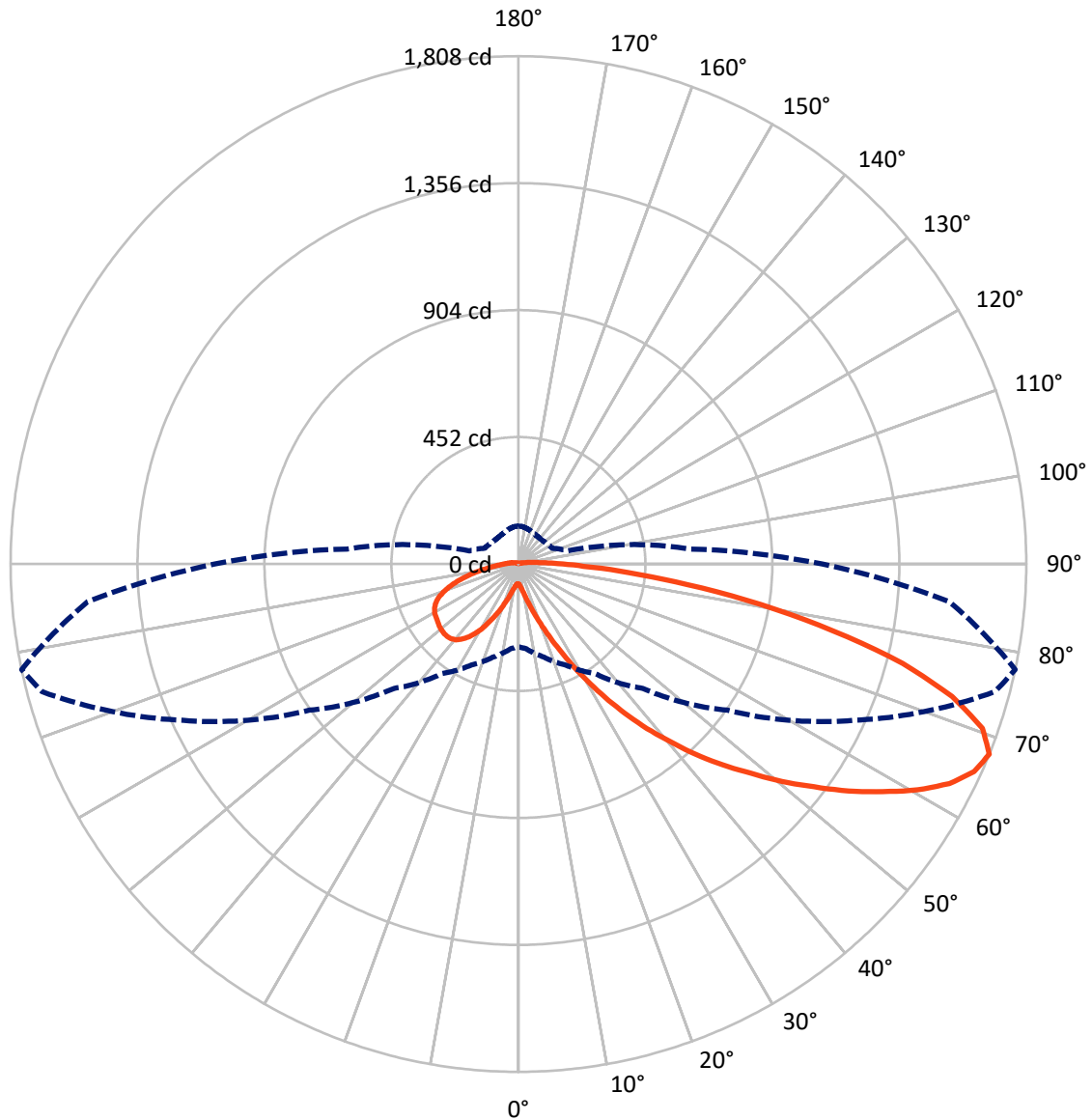


Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type II - Medium - Non-Cutoff

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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	498.6	40.5	539.1
	% Fixture	19.0	1.5	20.5
Street Side	Lumens	2043.9	41.0	2084.9
	% Fixture	77.9	1.6	79.5
Total	Lumens	2542.5	81.5	2624.0
	% Fixture	96.9	3.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.1	0.3
10°-20°	40.7	1.6
20°-30°	124.2	4.7
30°-40°	277.9	10.6
40°-50°	457.9	17.4
50°-60°	563.6	21.5
60°-70°	546.6	20.8
70°-80°	378.5	14.4
80°-90°	144.9	5.5
90°-100°	41.6	1.6
100°-110°	18.0	0.7
110°-120°	9.7	0.4
120°-130°	6.0	0.2
130°-140°	3.7	0.1
140°-150°	1.8	0.1
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2542.5	96.9
0°-180°	2624.0	100.0

Coefficient of Utilization



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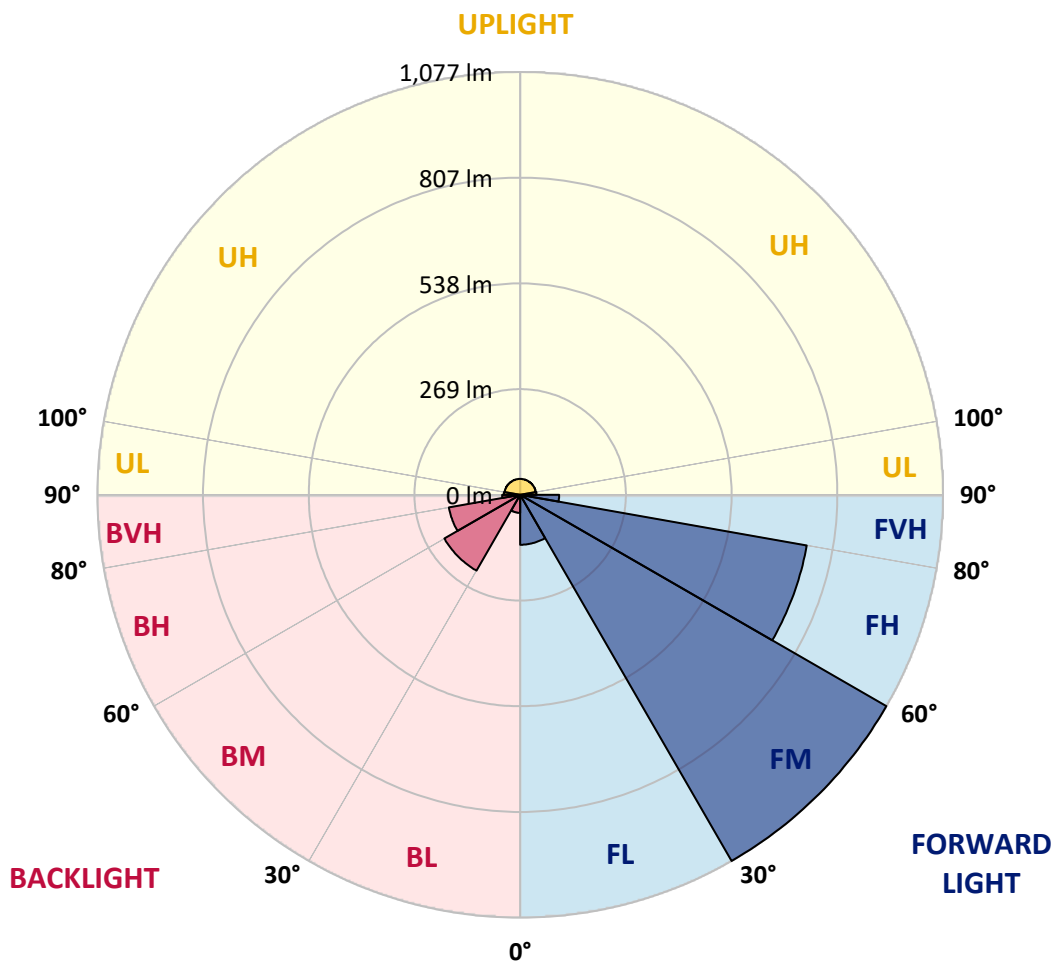
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	127.2	4.8			
FM	(30°-60°)	1076.6	41.0			
FH	(60°-80°)	740.9	28.2			G1/1800
FVH	(80°-90°)	99.2	3.8			G1/100
BL	(0°-30°)	45.9	1.7	B0/110		
BM	(30°-60°)	222.7	8.5	B1/1000		
BH	(60°-80°)	184.2	7.0	B1/500		G1/500
BVH	(80°-90°)	45.7	1.7			G1/100
UL	(90°-100°)	41.6	1.6		U2/50	
UH	(100°-180°)	40.5	1.5		U2/50	

BUG Rating: B1-U2-G1

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
2.5°	85.2	84.5	84.5	84.2	83.0	81.7	79.9	77.7	75.8	74.6	73.3
5°	103.5	101.3	101.9	100.1	97.9	95.4	92.0	87.3	83.0	82.0	78.6
7.5°	125.6	122.8	123.7	121.5	117.5	112.2	107.5	100.7	94.2	92.0	87.0
10°	153.5	150.7	149.2	146.1	141.4	134.6	127.4	118.4	109.4	106.3	100.1
12.5°	186.8	184.6	182.4	178.1	170.6	161.9	152.9	143.0	131.1	127.1	117.5
15°	228.1	226.2	221.6	215.7	204.8	195.2	181.5	172.5	157.9	152.9	141.1
17.5°	274.4	270.7	266.0	257.3	244.9	232.8	221.3	206.0	190.2	186.2	171.5
20°	331.6	330.4	321.3	306.7	293.1	276.6	265.4	250.5	232.8	227.2	207.9
22.5°	399.3	396.9	386.3	364.2	343.7	322.6	313.6	298.0	285.3	277.5	252.4
25°	480.8	476.1	458.7	432.3	403.1	377.9	363.0	357.4	347.4	335.6	304.9
27.5°	567.5	567.8	543.9	504.7	464.0	433.8	422.3	424.5	412.4	405.9	368.3
30°	674.7	666.9	635.5	587.4	532.4	493.5	486.7	497.6	494.1	481.4	437.0
32.5°	781.9	779.1	740.3	674.4	602.3	559.7	554.7	578.4	577.4	564.7	508.1
35°	888.8	885.7	837.5	760.8	675.3	626.5	622.2	653.3	664.4	651.7	588.3
37.5°	996.3	989.2	940.7	847.5	744.6	687.7	689.6	728.8	754.9	743.4	665.7
40°	1091.1	1089.9	1033.3	927.4	811.4	749.9	762.3	813.9	845.9	830.1	744.3
42.5°	1163.9	1158.6	1108.5	993.6	871.4	808.0	829.5	897.8	938.9	928.0	821.7
45°	1197.4	1194.3	1154.2	1043.6	918.0	858.4	892.2	975.5	1031.5	1019.7	901.3
47.5°	1188.4	1185.6	1163.9	1068.1	948.8	901.6	947.6	1051.0	1128.7	1112.9	980.5
50°	1134.3	1137.1	1130.3	1061.0	959.7	929.2	1000.1	1126.6	1223.8	1216.4	1056.9
52.5°	1035.5	1043.6	1054.5	1023.7	949.7	941.7	1038.0	1192.1	1318.3	1318.0	1141.8
55°	907.2	912.7	950.7	945.1	911.8	941.3	1066.0	1256.8	1424.6	1426.2	1229.4
57.5°	771.0	768.2	818.6	847.8	856.5	917.4	1079.6	1314.0	1518.5	1529.3	1322.0
60°	622.2	632.4	679.7	739.3	772.0	870.2	1075.0	1354.4	1608.9	1632.8	1406.3
62.5°	505.6	501.0	552.9	617.8	684.0	802.4	1041.1	1373.3	1695.0	1721.7	1484.0
65°	381.9	391.6	438.5	496.0	574.6	717.0	986.4	1363.4	1748.1	1782.3	1532.7
67.5°	294.6	302.1	342.2	396.2	476.4	626.2	907.5	1317.1	1756.2	1808.1	1539.6
70°	227.8	233.7	262.0	308.0	384.4	526.1	796.5	1228.8	1712.1	1752.5	1476.8
72.5°	181.5	184.0	203.9	241.2	303.6	429.2	675.9	1090.2	1578.7	1614.8	1348.1
75°	142.6	146.4	162.5	190.5	237.1	343.1	552.6	921.1	1375.8	1413.1	1170.7
77.5°	113.4	117.2	129.3	148.9	184.0	264.5	431.7	750.5	1123.1	1146.1	932.6
80°	90.1	92.0	102.2	116.9	143.0	203.9	325.1	569.7	850.6	874.5	693.0
82.5°	68.4	69.9	80.2	92.9	111.6	154.5	234.9	400.6	599.2	605.7	470.5
85°	49.1	51.9	60.3	70.9	85.5	115.0	168.4	271.9	382.3	392.2	298.0
87.5°	34.8	36.1	44.4	54.4	65.3	85.2	117.2	179.0	235.3	232.5	180.9
90°	23.6	24.6	32.0	40.1	49.7	63.7	81.7	112.5	144.5	139.8	113.4
92.5°	15.8	17.4	23.6	30.5	38.8	49.1	58.1	73.7	89.5	85.2	72.1
95°	11.8	12.4	18.0	24.2	31.1	37.6	43.2	50.3	57.2	55.9	49.7
97.5°	9.3	9.9	14.6	19.9	25.2	30.5	33.6	36.1	39.8	39.5	35.7
100°	8.1	8.4	12.4	17.1	21.8	25.5	27.3	28.0	29.2	28.6	27.3
102.5°	6.8	7.5	10.9	14.9	19.0	21.8	23.0	22.4	22.1	21.4	20.2
105°	6.2	6.5	9.6	13.4	16.8	19.0	19.3	18.3	16.8	16.5	15.8
107.5°	5.9	6.2	8.7	12.1	14.9	16.8	16.5	15.2	13.4	12.7	12.4
110°	5.6	5.9	8.1	10.9	13.7	14.9	14.6	12.7	10.6	9.9	10.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
112.5°	5.6	5.6	7.5	9.9	12.4	13.4	12.7	10.9	8.7	8.4	8.7
115°	5.3	5.6	7.1	9.3	11.2	12.1	11.2	9.3	7.5	7.1	7.5
117.5°	5.3	5.6	6.8	8.7	10.6	10.9	9.9	8.1	6.2	6.2	6.8
120°	5.3	5.6	6.5	8.1	9.6	9.9	9.0	7.1	5.6	5.6	6.2
122.5°	5.6	5.6	6.2	7.8	9.0	9.3	8.1	6.2	5.3	5.3	5.9
125°	5.6	5.6	6.2	7.1	8.4	8.4	7.5	5.6	4.7	4.7	5.6
127.5°	5.6	5.6	6.2	6.8	7.8	7.8	6.8	5.3	4.4	4.4	5.3
130°	5.6	5.9	5.9	6.5	7.1	7.1	6.2	4.7	4.4	4.4	5.0
132.5°	5.9	5.9	5.9	6.2	6.8	6.5	5.3	4.4	4.0	4.0	4.7
135°	5.6	5.6	5.6	5.9	6.2	5.9	4.7	3.7	3.7	4.0	4.4
137.5°	5.6	5.6	5.6	5.3	5.6	5.3	4.4	3.4	3.4	3.7	4.0
140°	5.0	5.3	5.0	5.0	5.0	4.7	3.7	2.8	3.1	3.4	3.4
142.5°	4.7	4.7	4.7	4.4	4.4	4.0	3.1	2.5	2.8	2.8	3.1
145°	4.4	4.4	4.0	3.7	3.7	3.1	2.5	2.2	2.5	2.5	2.8
147.5°	3.7	3.7	3.7	3.1	2.8	2.5	1.6	1.6	1.9	2.2	2.2
150°	3.1	3.1	3.1	2.8	2.2	1.9	1.2	1.6	1.6	1.6	1.9
152.5°	2.5	2.5	2.5	2.2	1.9	1.2	0.9	1.2	1.2	1.2	1.6
155°	1.6	1.6	1.6	1.6	1.2	0.6	0.9	0.9	1.2	1.2	1.2
157.5°	0.9	0.9	0.9	0.9	0.6	0.6	0.6	0.9	0.9	0.9	0.9
160°	0.3	0.3	0.6	0.6	0.9	0.6	0.6	0.6	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°	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
2.5°	72.4	71.5	69.9	68.4	66.8	65.3	64.0	63.7	62.8	62.8	62.5
5°	76.8	75.2	71.2	68.1	64.6	61.8	59.7	58.7	57.8	57.2	57.2
7.5°	84.5	81.1	75.2	69.9	65.3	61.2	58.4	56.9	55.6	55.0	55.0
10°	95.1	90.7	81.7	74.0	67.1	62.2	59.0	57.2	56.3	55.6	55.3
12.5°	110.6	104.4	91.4	80.2	71.5	65.3	61.2	60.0	60.3	60.3	60.3
15°	131.8	122.8	105.0	89.8	77.4	69.3	66.5	66.5	67.4	67.7	67.1
17.5°	159.1	147.0	122.1	99.4	84.8	76.5	73.3	73.3	74.9	75.8	75.8
20°	192.7	175.3	140.2	112.2	93.5	84.5	80.8	81.1	83.0	84.2	84.2
22.5°	231.2	210.7	163.2	125.2	103.2	91.7	87.6	87.9	91.1	92.6	93.2
25°	281.3	249.6	186.2	138.6	112.2	98.5	94.5	94.8	98.8	101.0	101.0
27.5°	334.1	292.8	209.5	151.7	120.0	104.7	100.7	101.6	106.0	107.8	108.5
30°	390.3	338.7	232.8	162.8	126.2	109.4	105.4	107.2	111.3	114.1	114.4
32.5°	452.8	383.8	251.4	171.9	131.5	113.4	109.4	112.2	115.6	118.7	119.0
35°	518.1	428.6	267.9	178.1	134.9	116.9	112.5	115.3	118.7	121.5	121.2
37.5°	576.5	465.2	278.8	180.6	136.7	118.7	114.7	117.5	120.6	122.8	122.8
40°	634.0	503.5	284.0	178.7	136.7	119.6	115.6	118.7	121.5	122.8	122.8
42.5°	688.7	531.7	283.1	175.0	136.1	120.0	116.2	119.0	121.5	122.1	122.1
45°	735.9	557.8	277.5	168.8	133.9	119.6	116.5	119.0	120.9	120.9	121.2
47.5°	791.9	578.4	269.4	162.2	131.5	119.0	115.9	118.7	120.3	120.3	120.0
50°	842.2	598.2	258.6	155.1	129.3	118.4	115.6	118.4	120.3	119.6	119.6
52.5°	895.7	616.0	247.4	148.6	127.1	118.1	115.6	118.4	120.3	120.0	120.3
55°	945.1	633.7	233.4	142.6	125.9	117.8	115.9	118.7	121.2	121.2	120.9
57.5°	1008.5	643.0	222.5	138.6	124.6	117.8	116.2	119.3	122.4	122.8	123.1
60°	1053.2	655.1	213.5	136.1	124.6	118.4	117.2	120.3	124.3	125.9	126.8
62.5°	1085.9	654.5	202.6	134.9	124.9	119.0	118.1	121.2	126.5	128.7	129.9
65°	1102.9	643.3	191.4	133.9	125.2	119.6	118.7	121.8	128.0	132.1	133.3
67.5°	1080.6	613.2	179.9	132.4	124.9	119.3	119.0	122.4	129.0	134.3	134.9
70°	1026.2	562.2	166.3	129.0	123.7	118.4	118.1	120.9	128.0	134.3	134.9
72.5°	923.0	497.6	150.4	124.0	120.9	116.2	115.3	118.1	124.9	131.1	131.1
75°	785.0	422.7	134.9	116.9	115.3	112.5	111.6	113.1	119.0	124.9	125.2
77.5°	614.7	336.6	118.4	106.9	108.5	106.3	105.4	106.3	111.6	115.6	115.9
80°	467.7	256.4	102.6	95.1	98.8	98.2	97.3	97.0	100.7	103.8	102.9
82.5°	322.6	182.4	84.8	82.7	86.7	87.6	87.3	85.2	87.9	90.4	88.9
85°	208.2	129.0	70.9	69.9	73.7	75.2	74.9	73.3	74.0	76.8	73.7
87.5°	134.6	92.6	58.4	57.8	60.9	62.8	62.8	59.7	60.9	63.7	60.3
90°	84.2	65.6	48.8	48.5	50.7	51.6	50.3	48.5	49.1	50.7	49.4
92.5°	59.7	49.4	40.7	40.7	41.3	42.0	41.3	39.2	40.4	40.4	40.4
95°	43.5	39.2	35.4	34.8	34.5	34.2	33.9	32.3	33.6	33.3	32.3
97.5°	33.3	31.4	30.1	29.8	29.2	28.9	28.6	27.3	28.3	27.7	27.0
100°	26.1	25.8	25.8	25.8	25.2	24.2	24.2	23.9	23.9	23.0	23.0
102.5°	20.8	20.8	22.1	22.4	21.8	21.1	21.1	20.8	20.5	19.3	19.0
105°	16.5	17.1	19.0	19.3	19.0	18.3	18.0	18.0	17.4	15.8	15.8
107.5°	13.4	14.0	16.2	16.8	16.5	16.2	15.8	15.5	14.9	13.4	13.4
110°	10.9	11.8	13.7	14.6	14.3	14.0	14.0	13.4	12.7	11.5	11.5



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CATALOG NUMBER: LXF.LXT-PA1-30-827-U-T2R-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	9.3	10.3	11.8	12.7	12.7	12.4	12.1	11.8	10.9	9.9	9.9
115°	8.1	9.0	10.6	11.2	11.2	10.9	10.6	10.3	9.3	8.7	9.0
117.5°	7.5	8.1	9.3	9.9	9.9	9.6	9.3	9.0	8.4	8.1	8.1
120°	6.8	7.5	8.4	9.0	9.0	8.7	8.4	8.1	7.5	7.5	7.5
122.5°	6.2	6.8	7.8	8.1	8.1	7.8	7.5	7.1	6.5	6.8	6.8
125°	5.9	6.2	6.8	7.5	7.5	7.1	6.8	6.2	5.9	6.2	6.2
127.5°	5.6	5.9	6.5	6.8	6.8	6.5	5.9	5.6	5.3	5.6	5.6
130°	5.3	5.6	5.9	6.2	6.2	5.6	5.3	5.0	5.0	5.3	5.3
132.5°	5.0	5.3	5.3	5.6	5.6	5.3	4.7	4.4	4.4	4.7	4.7
135°	4.7	4.7	5.0	5.0	5.0	4.7	4.0	3.7	4.0	4.4	4.4
137.5°	4.0	4.4	4.4	4.7	4.4	4.0	3.4	3.4	3.7	3.7	3.7
140°	3.7	3.7	4.0	4.0	3.7	3.4	3.1	2.8	3.1	3.4	3.4
142.5°	3.4	3.4	3.4	3.4	3.4	2.8	2.5	2.5	2.8	2.8	2.8
145°	2.8	2.8	3.1	2.8	2.8	2.2	1.9	2.2	2.5	2.5	2.5
147.5°	2.2	2.5	2.5	2.5	2.2	1.6	1.2	1.9	2.2	2.2	2.2
150°	1.9	1.9	1.9	1.9	1.9	1.2	0.9	1.6	1.9	1.9	1.9
152.5°	1.6	1.6	1.9	1.9	1.6	0.9	0.6	1.2	1.6	1.6	1.2
155°	1.2	1.2	1.6	1.6	1.2	0.6	0.6	0.9	1.2	1.2	0.9
157.5°	0.9	1.2	1.2	1.2	0.9	0.6	0.3	0.6	0.9	0.9	0.9
160°	0.9	0.9	0.9	1.2	0.9	0.6	0.3	0.6	0.9	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

(END OF REPORT)