

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: P414678

Luminaire Tested: **LXF.LXT-PA1-30-740-U-T2R-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414678
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-PA1-30-740-U-T2R-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 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: 3570 lumens
Efficiency: N/A
Efficacy: 115.2 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

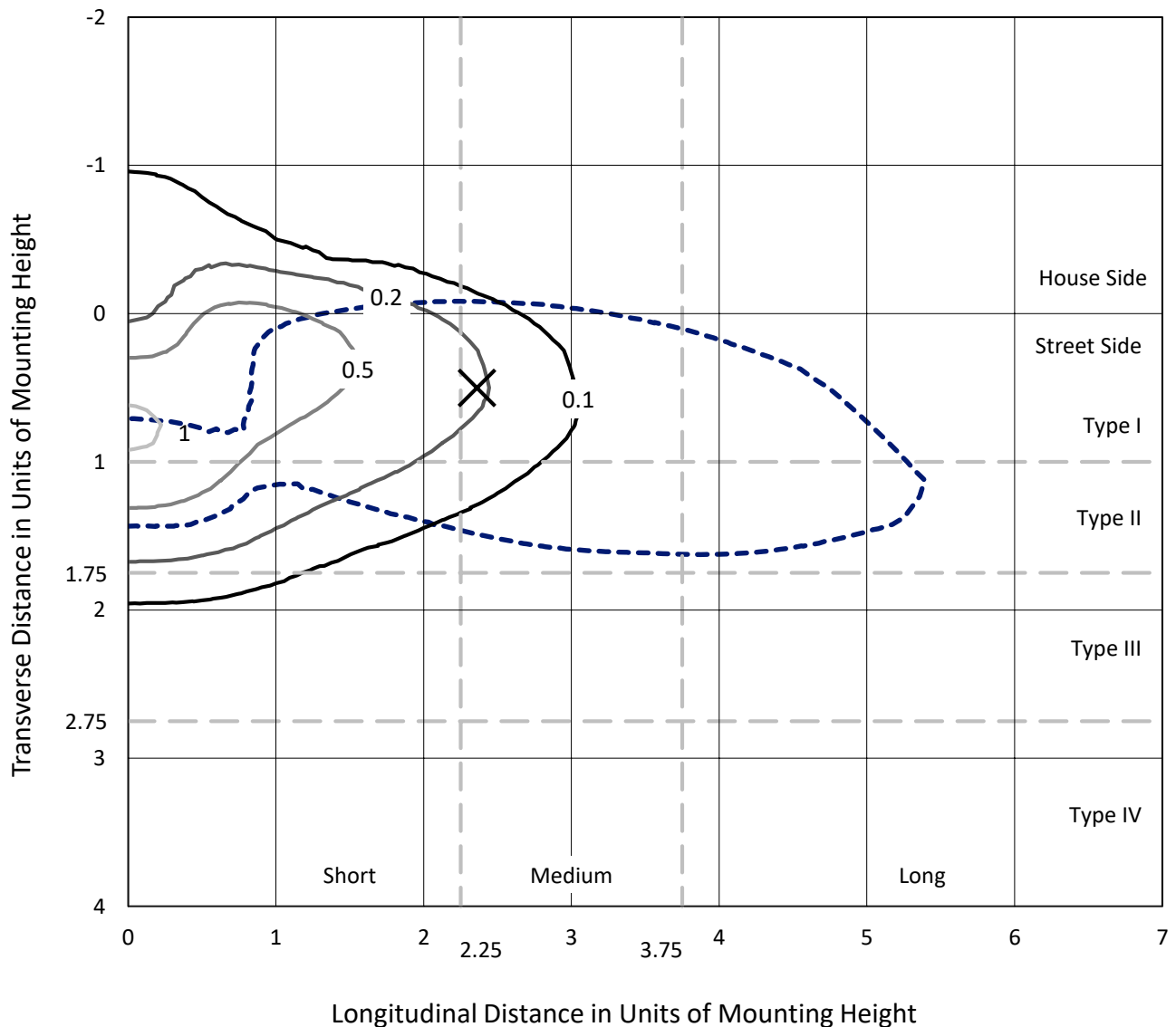


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

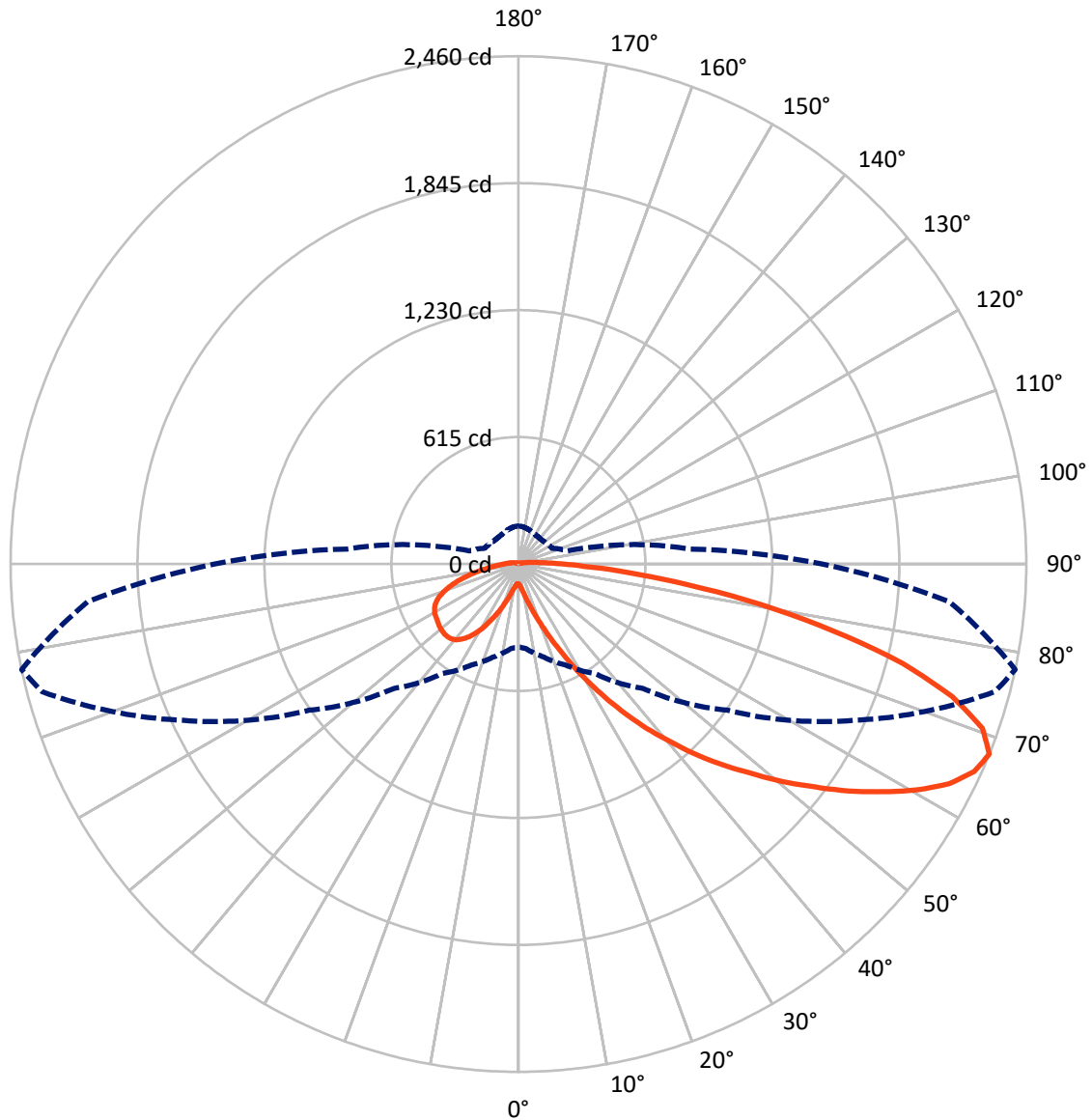


Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type II - Medium - Non-Cutoff

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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	678.3	55.1	733.4
	% Fixture	19.0	1.5	20.5
Street Side	Lumens	2780.7	55.8	2836.6
	% Fixture	77.9	1.6	79.5
Total	Lumens	3459.1	110.9	3570.0
	% Fixture	96.9	3.1	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.1	0.3
10°-20°	55.4	1.6
20°-30°	169.0	4.7
30°-40°	378.1	10.6
40°-50°	623.0	17.5
50°-60°	766.7	21.5
60°-70°	743.7	20.8
70°-80°	515.0	14.4
80°-90°	197.1	5.5
90°-100°	56.6	1.6
100°-110°	24.5	0.7
110°-120°	13.2	0.4
120°-130°	8.2	0.2
130°-140°	5.1	0.1
140°-150°	2.5	0.1
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3459.1	96.9
0°-180°	3570.0	100.0



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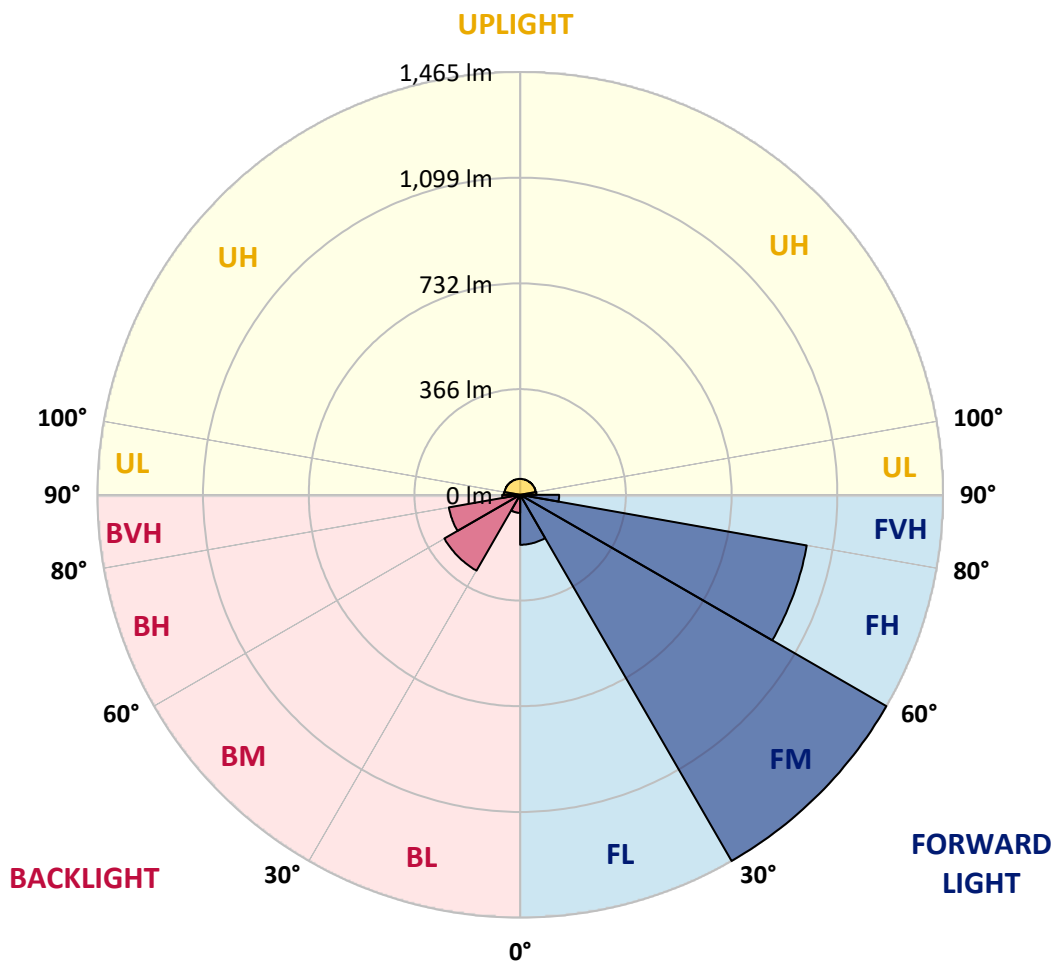
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	173.0	4.8			
FM (30°-60°)	1464.8	41.0			
FH (60°-80°)	1008.0	28.2			G1/1800
FVH (80°-90°)	134.9	3.8			G2/225
BL (0°-30°)	62.5	1.8	B0/110		
BM (30°-60°)	303.0	8.5	B1/1000		
BH (60°-80°)	250.7	7.0	B1/500		G1/500
BVH (80°-90°)	62.2	1.7			G1/100
UL (90°-100°)	56.6	1.6		U3/500	
UH (100°-180°)	55.1	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°	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
2.5°	115.9	115.0	115.0	114.6	112.9	111.2	108.7	105.7	103.2	101.5	99.8
5°	140.8	137.8	138.7	136.1	133.2	129.8	125.2	118.8	112.9	111.6	107.0
7.5°	170.8	167.0	168.3	165.3	159.8	152.6	146.3	137.0	128.1	125.2	118.4
10°	208.9	205.1	203.0	198.7	192.4	183.1	173.4	161.1	148.8	144.6	136.1
12.5°	254.1	251.2	248.2	242.3	232.1	220.3	208.0	194.5	178.4	172.9	159.8
15°	310.3	307.8	301.5	293.4	278.6	265.5	246.9	234.7	214.8	208.0	192.0
17.5°	373.3	368.3	361.9	350.1	333.2	316.7	301.0	280.3	258.8	253.3	233.4
20°	451.1	449.5	437.2	417.3	398.7	376.3	361.1	340.8	316.7	309.1	282.9
22.5°	543.3	539.9	525.6	495.5	467.6	438.9	426.6	405.5	388.1	377.6	343.3
25°	654.1	647.8	624.1	588.1	548.4	514.1	493.8	486.2	472.7	456.6	414.8
27.5°	772.1	772.5	739.9	686.7	631.3	590.3	574.6	577.6	561.1	552.2	501.0
30°	917.9	907.4	864.7	799.1	724.3	671.4	662.1	676.9	672.3	654.9	594.5
32.5°	1063.8	1060.0	1007.1	917.5	819.4	761.5	754.7	786.9	785.6	768.3	691.3
35°	1209.3	1205.0	1139.5	1035.1	918.8	852.4	846.5	888.8	904.0	886.6	800.4
37.5°	1355.5	1345.8	1279.9	1153.0	1013.1	935.7	938.2	991.5	1027.0	1011.4	905.7
40°	1484.5	1482.8	1405.9	1261.7	1104.0	1020.3	1037.2	1107.4	1150.9	1129.3	1012.6
42.5°	1583.4	1576.3	1508.2	1351.7	1185.6	1099.3	1128.5	1221.5	1277.3	1262.5	1117.9
45°	1629.1	1624.9	1570.3	1419.8	1249.0	1167.8	1213.9	1327.2	1403.3	1387.3	1226.2
47.5°	1616.8	1613.0	1583.4	1453.2	1290.9	1226.6	1289.2	1430.0	1535.7	1514.1	1334.0
50°	1543.3	1547.1	1537.8	1443.5	1305.7	1264.2	1360.6	1532.7	1665.1	1654.9	1438.0
52.5°	1408.8	1419.8	1434.6	1392.8	1292.1	1281.1	1412.2	1621.9	1793.6	1793.2	1553.4
55°	1234.2	1241.8	1293.4	1285.8	1240.5	1280.7	1450.3	1709.9	1938.2	1940.3	1672.7
57.5°	1049.0	1045.2	1113.7	1153.4	1165.3	1248.2	1468.9	1787.7	2065.9	2080.7	1798.7
60°	846.5	860.4	924.7	1005.9	1050.3	1183.9	1462.5	1842.6	2188.9	2221.5	1913.2
62.5°	687.9	681.6	752.2	840.6	930.6	1091.7	1416.4	1868.4	2306.0	2342.4	2018.9
65°	519.6	532.7	596.6	674.8	781.8	975.4	1342.0	1854.9	2378.3	2424.9	2085.3
67.5°	400.8	411.0	465.5	539.1	648.2	852.0	1234.6	1791.9	2389.3	2459.9	2094.6
70°	309.9	318.0	356.4	419.0	523.0	715.8	1083.7	1671.8	2329.3	2384.3	2009.2
72.5°	246.9	250.3	277.4	328.1	413.1	583.9	919.6	1483.2	2147.9	2197.0	1834.2
75°	194.1	199.1	221.1	259.2	322.6	466.8	751.8	1253.2	1871.8	1922.5	1592.7
77.5°	154.3	159.4	175.9	202.5	250.3	359.8	587.3	1021.1	1528.1	1559.3	1268.9
80°	122.6	125.2	139.1	159.0	194.5	277.4	442.3	775.0	1157.2	1189.8	942.9
82.5°	93.0	95.1	109.1	126.4	151.8	210.1	319.6	545.0	815.2	824.1	640.1
85°	66.8	70.6	82.0	96.4	116.3	156.4	229.2	370.0	520.1	533.6	405.5
87.5°	47.4	49.0	60.5	74.0	88.8	115.9	159.4	243.5	320.1	316.3	246.1
90°	32.1	33.4	43.6	54.5	67.7	86.7	111.2	153.1	196.6	190.3	154.3
92.5°	21.6	23.7	32.1	41.4	52.9	66.8	79.1	100.2	121.8	115.9	98.1
95°	16.1	16.9	24.5	33.0	42.3	51.2	58.8	68.5	77.8	76.1	67.7
97.5°	12.7	13.5	19.9	27.1	34.2	41.4	45.7	49.0	54.1	53.7	48.6
100°	11.0	11.4	16.9	23.3	29.6	34.7	37.2	38.1	39.7	38.9	37.2
102.5°	9.3	10.1	14.8	20.3	25.8	29.6	31.3	30.4	30.0	29.2	27.5
105°	8.5	8.9	13.1	18.2	22.8	25.8	26.2	24.9	22.8	22.4	21.6
107.5°	8.0	8.5	11.8	16.5	20.3	22.8	22.4	20.7	18.2	17.3	16.9
110°	7.6	8.0	11.0	14.8	18.6	20.3	19.9	17.3	14.4	13.5	14.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
112.5°	7.6	7.6	10.1	13.5	16.9	18.2	17.3	14.8	11.8	11.4	11.8
115°	7.2	7.6	9.7	12.7	15.2	16.5	15.2	12.7	10.1	9.7	10.1
117.5°	7.2	7.6	9.3	11.8	14.4	14.8	13.5	11.0	8.5	8.5	9.3
120°	7.2	7.6	8.9	11.0	13.1	13.5	12.3	9.7	7.6	7.6	8.5
122.5°	7.6	7.6	8.5	10.6	12.3	12.7	11.0	8.5	7.2	7.2	8.0
125°	7.6	7.6	8.5	9.7	11.4	11.4	10.1	7.6	6.3	6.3	7.6
127.5°	7.6	7.6	8.5	9.3	10.6	10.6	9.3	7.2	5.9	5.9	7.2
130°	7.6	8.0	8.0	8.9	9.7	9.7	8.5	6.3	5.9	5.9	6.8
132.5°	8.0	8.0	8.0	8.5	9.3	8.9	7.2	5.9	5.5	5.5	6.3
135°	7.6	7.6	7.6	8.0	8.5	8.0	6.3	5.1	5.1	5.5	5.9
137.5°	7.6	7.6	7.6	7.2	7.6	7.2	5.9	4.7	4.7	5.1	5.5
140°	6.8	7.2	6.8	6.8	6.8	6.3	5.1	3.8	4.2	4.7	4.7
142.5°	6.3	6.3	6.3	5.9	5.9	5.5	4.2	3.4	3.8	3.8	4.2
145°	5.9	5.9	5.5	5.1	5.1	4.2	3.4	3.0	3.4	3.4	3.8
147.5°	5.1	5.1	5.1	4.2	3.8	3.4	2.1	2.1	2.5	3.0	3.0
150°	4.2	4.2	4.2	3.8	3.0	2.5	1.7	2.1	2.1	2.1	2.5
152.5°	3.4	3.4	3.4	3.0	2.5	1.7	1.3	1.7	1.7	1.7	2.1
155°	2.1	2.1	2.1	2.1	1.7	0.8	1.3	1.3	1.7	1.7	1.7
157.5°	1.3	1.3	1.3	1.3	0.8	0.8	0.8	1.3	1.3	1.3	1.3
160°	0.4	0.4	0.8	0.8	1.3	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°	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
2.5°	98.5	97.2	95.1	93.0	90.9	88.8	87.1	86.7	85.4	85.4	85.0
5°	104.4	102.3	96.8	92.6	87.9	84.1	81.2	79.9	78.6	77.8	77.8
7.5°	115.0	110.4	102.3	95.1	88.8	83.3	79.5	77.4	75.7	74.8	74.8
10°	129.4	123.5	111.2	100.6	91.3	84.6	80.3	77.8	76.5	75.7	75.3
12.5°	150.5	142.1	124.3	109.1	97.2	88.8	83.3	81.6	82.0	82.0	82.0
15°	179.3	167.0	142.9	122.2	105.3	94.3	90.5	90.5	91.8	92.2	91.3
17.5°	216.5	200.0	166.2	135.3	115.4	104.0	99.8	99.8	101.9	103.2	103.2
20°	262.1	238.5	190.7	152.6	127.3	115.0	109.9	110.4	112.9	114.6	114.6
22.5°	314.6	286.7	222.0	170.4	140.4	124.7	119.2	119.7	123.9	126.0	126.8
25°	382.6	339.5	253.3	188.6	152.6	134.0	128.5	129.0	134.5	137.4	137.4
27.5°	454.5	398.3	285.0	206.3	163.2	142.5	137.0	138.3	144.2	146.7	147.6
30°	531.1	460.9	316.7	221.6	171.7	148.8	143.3	145.9	151.4	155.2	155.6
32.5°	616.0	522.2	342.1	233.8	178.9	154.3	148.8	152.6	157.3	161.5	161.9
35°	704.8	583.1	364.5	242.3	183.5	159.0	153.1	156.9	161.5	165.3	164.9
37.5°	784.3	633.0	379.3	245.7	186.0	161.5	156.0	159.8	164.1	167.0	167.0
40°	862.5	685.0	386.5	243.1	186.0	162.8	157.3	161.5	165.3	167.0	167.0
42.5°	937.0	723.4	385.2	238.0	185.2	163.2	158.1	161.9	165.3	166.2	166.2
45°	1001.2	759.0	377.6	229.6	182.2	162.8	158.6	161.9	164.5	164.5	164.9
47.5°	1077.3	786.9	366.6	220.7	178.9	161.9	157.7	161.5	163.6	163.6	163.2
50°	1145.8	813.9	351.8	211.0	175.9	161.1	157.3	161.1	163.6	162.8	162.8
52.5°	1218.6	838.0	336.6	202.1	172.9	160.7	157.3	161.1	163.6	163.2	163.6
55°	1285.8	862.1	317.5	194.1	171.2	160.2	157.7	161.5	164.9	164.9	164.5
57.5°	1372.0	874.8	302.7	188.6	169.5	160.2	158.1	162.4	166.6	167.0	167.4
60°	1432.9	891.3	290.5	185.2	169.5	161.1	159.4	163.6	169.1	171.2	172.5
62.5°	1477.3	890.5	275.7	183.5	170.0	161.9	160.7	164.9	172.1	175.0	176.7
65°	1500.6	875.2	260.5	182.2	170.4	162.8	161.5	165.7	174.2	179.7	181.4
67.5°	1470.1	834.2	244.8	180.1	170.0	162.4	161.9	166.6	175.5	182.7	183.5
70°	1396.1	764.9	226.2	175.5	168.3	161.1	160.7	164.5	174.2	182.7	183.5
72.5°	1255.8	676.9	204.6	168.7	164.5	158.1	156.9	160.7	170.0	178.4	178.4
75°	1068.0	575.0	183.5	159.0	156.9	153.1	151.8	153.9	161.9	170.0	170.4
77.5°	836.3	457.9	161.1	145.4	147.6	144.6	143.3	144.6	151.8	157.3	157.7
80°	636.3	348.8	139.5	129.4	134.5	133.6	132.3	131.9	137.0	141.2	140.0
82.5°	438.9	248.2	115.4	112.5	118.0	119.2	118.8	115.9	119.7	123.0	120.9
85°	283.3	175.5	96.4	95.1	100.2	102.3	101.9	99.8	100.6	104.4	100.2
87.5°	183.1	126.0	79.5	78.6	82.9	85.4	85.4	81.2	82.9	86.7	82.0
90°	114.6	89.2	66.4	66.0	68.9	70.2	68.5	66.0	66.8	68.9	67.2
92.5°	81.2	67.2	55.4	55.4	56.2	57.1	56.2	53.3	55.0	55.0	55.0
95°	59.2	53.3	48.2	47.4	46.9	46.5	46.1	44.0	45.7	45.2	44.0
97.5°	45.2	42.7	41.0	40.6	39.7	39.3	38.9	37.2	38.5	37.6	36.8
100°	35.5	35.1	35.1	35.1	34.2	33.0	33.0	32.6	32.6	31.3	31.3
102.5°	28.3	28.3	30.0	30.4	29.6	28.8	28.8	28.3	27.9	26.2	25.8
105°	22.4	23.3	25.8	26.2	25.8	24.9	24.5	24.5	23.7	21.6	21.6
107.5°	18.2	19.0	22.0	22.8	22.4	22.0	21.6	21.1	20.3	18.2	18.2
110°	14.8	16.1	18.6	19.9	19.4	19.0	19.0	18.2	17.3	15.6	15.6



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CATALOG NUMBER: LXF.LXT-PA1-30-740-U-T2R-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	12.7	14.0	16.1	17.3	17.3	16.9	16.5	16.1	14.8	13.5	13.5
115°	11.0	12.3	14.4	15.2	15.2	14.8	14.4	14.0	12.7	11.8	12.3
117.5°	10.1	11.0	12.7	13.5	13.5	13.1	12.7	12.3	11.4	11.0	11.0
120°	9.3	10.1	11.4	12.3	12.3	11.8	11.4	11.0	10.1	10.1	10.1
122.5°	8.5	9.3	10.6	11.0	11.0	10.6	10.1	9.7	8.9	9.3	9.3
125°	8.0	8.5	9.3	10.1	10.1	9.7	9.3	8.5	8.0	8.5	8.5
127.5°	7.6	8.0	8.9	9.3	9.3	8.9	8.0	7.6	7.2	7.6	7.6
130°	7.2	7.6	8.0	8.5	8.5	7.6	7.2	6.8	6.8	7.2	7.2
132.5°	6.8	7.2	7.2	7.6	7.6	7.2	6.3	5.9	5.9	6.3	6.3
135°	6.3	6.3	6.8	6.8	6.8	6.3	5.5	5.1	5.5	5.9	5.9
137.5°	5.5	5.9	5.9	6.3	5.9	5.5	4.7	4.7	5.1	5.1	5.1
140°	5.1	5.1	5.5	5.5	5.1	4.7	4.2	3.8	4.2	4.7	4.7
142.5°	4.7	4.7	4.7	4.7	4.7	3.8	3.4	3.4	3.8	3.8	3.8
145°	3.8	3.8	4.2	3.8	3.8	3.0	2.5	3.0	3.4	3.4	3.4
147.5°	3.0	3.4	3.4	3.4	3.0	2.1	1.7	2.5	3.0	3.0	3.0
150°	2.5	2.5	2.5	2.5	2.5	1.7	1.3	2.1	2.5	2.5	2.5
152.5°	2.1	2.1	2.5	2.5	2.1	1.3	0.8	1.7	2.1	2.1	1.7
155°	1.7	1.7	2.1	2.1	1.7	0.8	0.8	1.3	1.7	1.7	1.3
157.5°	1.3	1.7	1.7	1.7	1.3	0.8	0.4	0.8	1.3	1.3	1.3
160°	1.3	1.3	1.3	1.7	1.3	0.8	0.4	0.8	1.3	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)