

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: P415046

Luminaire Tested: **LXF.LXT-PA1-40-730-U-T2U-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415046
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-15)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-40-730-U-T2U-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4502.1 lumens
Efficiency: N/A
Efficacy: 112.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B2 - U3 - G2

Input Watts (W): 40
Input Voltage (V): NR
Input Current (A_{in}): 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

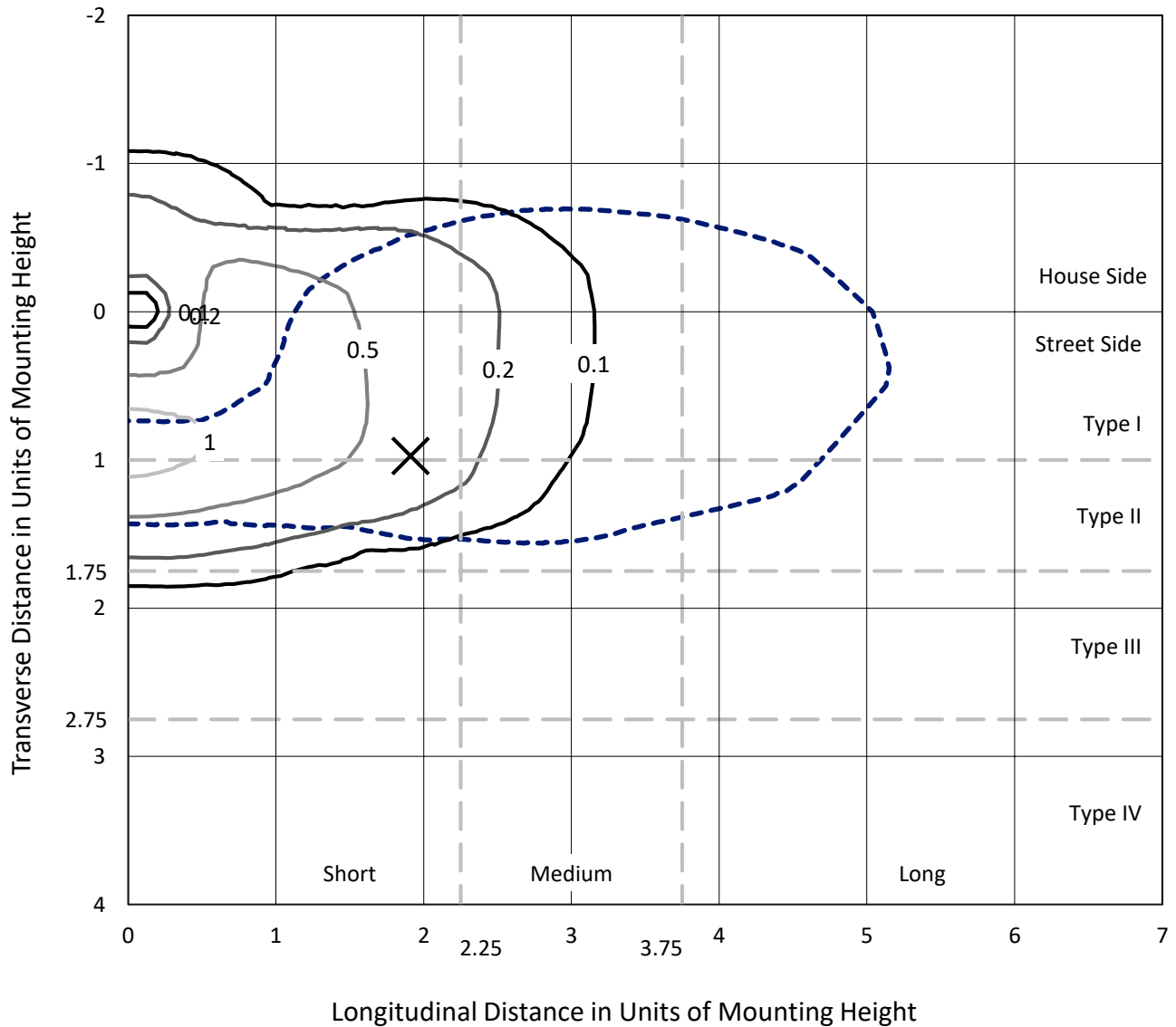


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

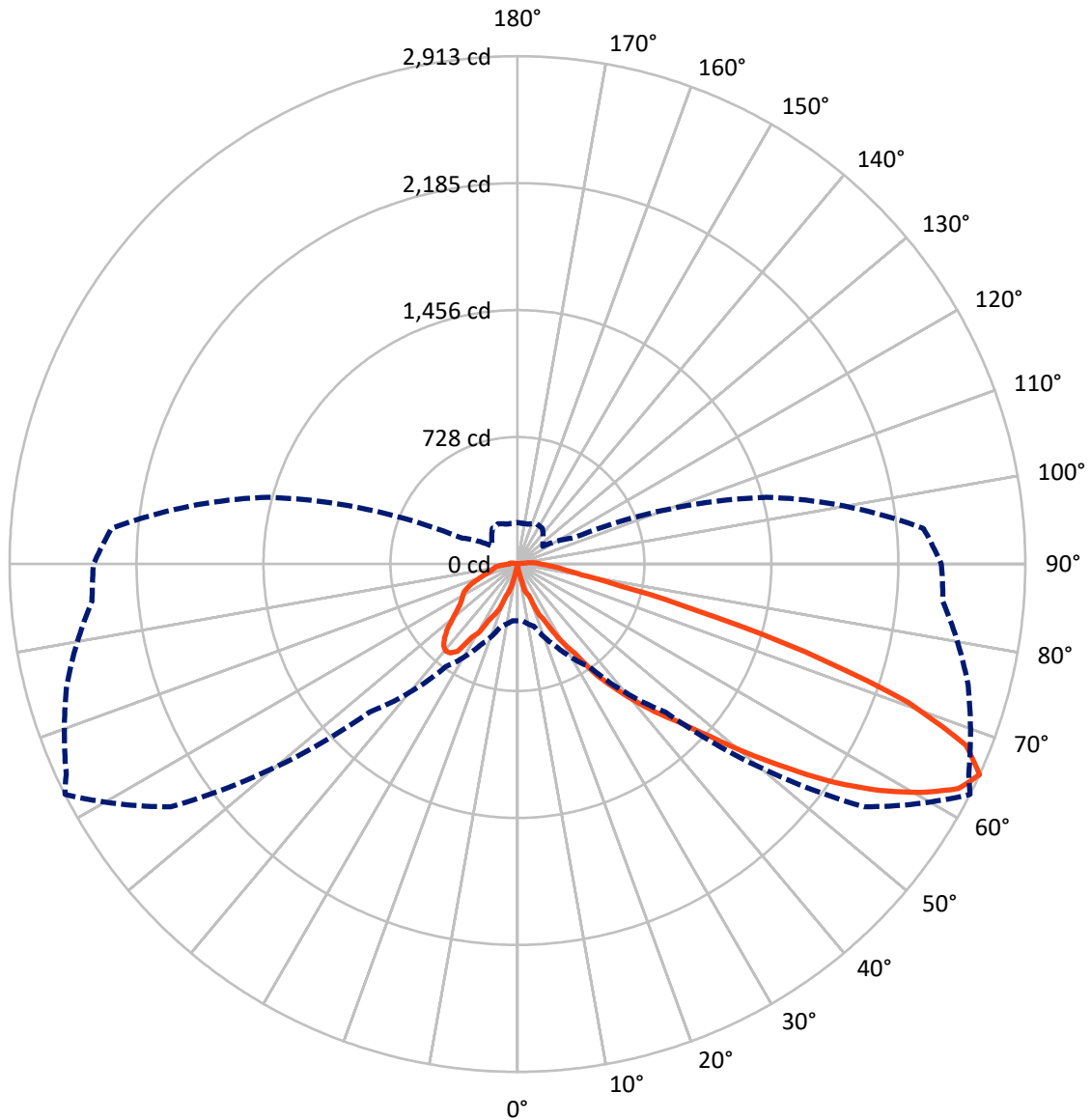


Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 63-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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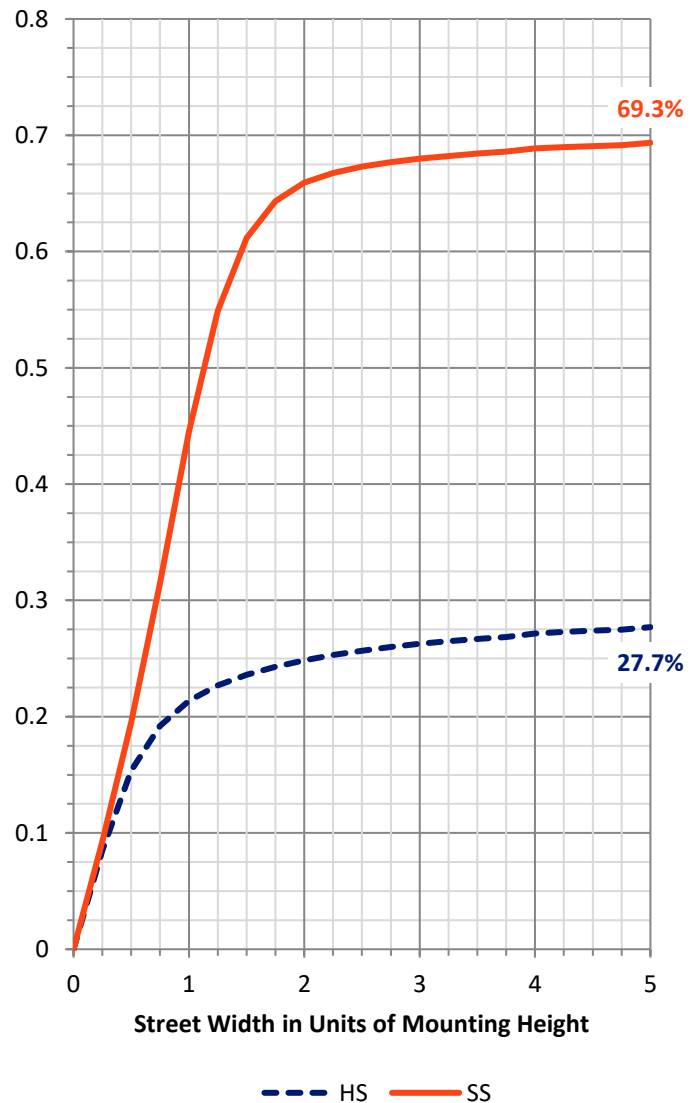
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1281.2	37.2	1318.4
	% Fixture	28.5	0.8	29.3
Street Side	Lumens	3149.0	34.7	3183.6
	% Fixture	69.9	0.8	70.7
Total	Lumens	4430.2	71.9	4502.1
	% Fixture	98.4	1.6	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.9	0.1
10°-20°	40.4	0.9
20°-30°	165.4	3.7
30°-40°	429.7	9.5
40°-50°	817.2	18.2
50°-60°	1100.1	24.4
60°-70°	1042.1	23.1
70°-80°	653.0	14.5
80°-90°	179.3	4.0
90°-100°	50.2	1.1
100°-110°	9.3	0.2
110°-120°	4.5	0.1
120°-130°	3.3	0.1
130°-140°	2.1	0.0
140°-150°	1.7	0.0
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4430.2	98.4
0°-180°	4502.1	100.0



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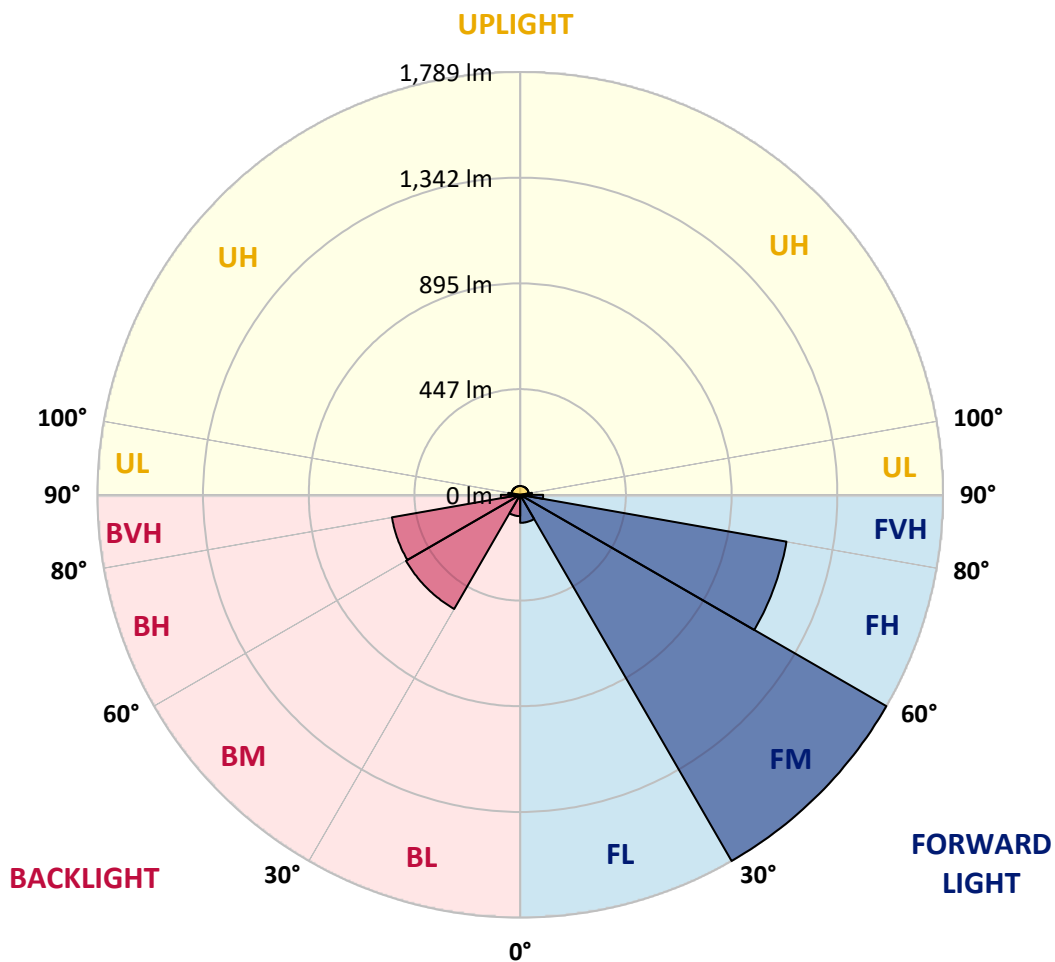
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	118.5	2.6			
FM	(30°-60°)	1789.2	39.7			
FH	(60°-80°)	1144.1	25.4			G1/1800
FVH	(80°-90°)	97.3	2.2			G1/100
BL	(0°-30°)	90.2	2.0	B0/110		
BM	(30°-60°)	557.8	12.4	B1/1000		
BH	(60°-80°)	551.1	12.2	B2/1000		G2/1000
BVH	(80°-90°)	82.1	1.8			G1/100
UL	(90°-100°)	50.2	1.1		U3/500	
UH	(100°-180°)	37.2	0.8		U2/50	

BUG Rating: B2-U3-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
2.5°	6.0	5.5	6.0	6.0	5.5	5.0	4.5	4.0	3.5	2.5	2.0
5°	70.3	70.8	69.8	68.3	24.4	11.0	6.5	5.0	4.5	3.0	2.5
7.5°	80.8	80.3	79.8	78.8	75.3	70.8	38.4	9.0	7.0	4.0	2.5
10°	88.8	87.8	85.3	84.8	81.3	78.8	72.8	46.9	39.4	7.0	5.0
12.5°	161.6	158.1	155.1	128.1	89.8	84.8	81.3	70.8	69.3	44.4	66.3
15°	169.0	169.5	167.5	164.5	157.6	105.7	131.6	159.6	159.1	137.6	135.6
17.5°	192.0	190.5	183.0	175.5	173.0	188.0	186.5	178.0	178.0	157.6	149.1
20°	296.7	294.2	289.7	241.3	214.9	242.8	227.9	198.4	199.4	243.3	264.3
22.5°	343.5	342.5	333.6	312.1	304.2	267.8	300.2	310.6	304.7	308.1	295.2
25°	470.2	465.2	425.8	387.9	392.4	361.5	361.0	354.5	351.0	335.6	359.0
27.5°	598.3	594.3	585.4	532.0	453.2	435.8	407.9	445.3	435.3	471.2	479.2
30°	792.8	756.4	680.6	644.7	618.8	535.5	527.5	539.0	536.0	526.0	517.1
32.5°	995.2	980.3	935.9	804.8	722.5	674.6	651.2	615.8	599.3	706.5	714.0
35°	1206.6	1192.7	1084.0	1007.7	866.6	788.8	775.8	780.8	758.9	811.2	798.8
37.5°	1578.6	1571.6	1462.4	1225.6	1078.0	925.9	908.0	902.0	867.6	905.5	906.0
40°	1817.4	1806.0	1685.3	1510.8	1273.0	1146.3	1059.1	1024.6	1015.7	1017.7	1018.2
42.5°	1995.0	1976.5	1906.2	1745.6	1497.3	1348.7	1225.6	1159.3	1177.2	1142.3	1140.3
45°	2110.1	2100.2	2036.3	1902.2	1730.2	1656.4	1438.5	1288.9	1349.2	1286.9	1283.9
47.5°	2136.1	2131.6	2087.2	2019.9	1948.1	1917.2	1695.3	1466.4	1521.8	1494.3	1438.5
50°	2023.4	2027.4	2010.9	2035.3	2113.6	2149.0	1966.0	1701.8	1732.2	1666.9	1595.6
52.5°	1777.1	1776.6	1836.4	1944.6	2174.5	2316.1	2216.8	1946.6	1945.1	1826.9	1746.1
55°	1426.5	1453.5	1554.7	1722.7	2091.2	2392.8	2454.7	2215.8	2174.0	2013.9	1880.3
57.5°	1087.0	1121.9	1246.0	1398.6	1854.3	2338.5	2627.7	2449.7	2406.3	2182.4	2022.4
60°	735.5	748.9	905.5	1082.0	1474.9	2129.6	2709.0	2660.6	2612.7	2354.5	2166.0
62.5°	490.1	502.1	591.9	806.8	1057.6	1730.7	2656.6	2838.6	2775.3	2557.9	2316.1
65°	326.1	326.1	370.5	519.1	719.5	1201.7	2427.2	2912.9	2855.6	2675.6	2449.2
67.5°	240.3	244.3	258.8	334.6	490.1	719.0	1930.6	2775.8	2781.8	2689.0	2491.6
70°	217.9	220.4	232.9	252.3	350.0	427.8	1276.0	2377.9	2481.1	2587.3	2437.2
72.5°	190.5	191.5	211.4	232.4	275.7	328.1	741.9	1728.2	1945.1	2365.9	2287.6
75°	159.6	161.1	177.0	208.4	238.3	275.2	394.9	1052.1	1268.0	2031.3	2089.7
77.5°	129.6	133.1	146.1	170.5	218.9	230.9	303.2	601.3	734.5	1512.8	1766.6
80°	99.7	103.2	114.7	134.1	179.0	203.9	251.8	370.0	445.3	940.4	1234.6
82.5°	68.3	70.8	82.3	96.7	128.1	170.0	208.4	272.7	294.7	514.6	681.1
85°	48.4	49.9	57.3	63.8	79.8	111.7	174.0	216.4	222.4	272.7	277.2
87.5°	27.4	26.9	27.9	32.4	36.4	43.4	102.7	158.6	166.0	190.0	176.5
90°	18.9	18.4	15.5	15.0	17.0	18.4	58.3	126.1	132.6	153.1	157.1
92.5°	19.9	18.9	15.0	14.0	16.0	17.0	38.9	110.2	124.2	153.1	161.6
95°	18.9	18.0	13.5	12.0	14.5	15.0	23.9	75.8	97.7	143.1	158.1
97.5°	16.5	15.5	11.0	10.0	12.0	12.0	13.5	34.9	47.9	66.8	75.3
100°	13.5	12.5	9.0	8.0	8.5	9.0	8.5	17.5	17.5	18.4	14.5
102.5°	12.0	11.5	7.5	6.5	6.0	6.0	5.5	8.5	9.0	10.0	12.5
105°	10.5	10.0	6.5	5.5	4.5	4.5	4.0	5.5	6.0	8.5	12.0
107.5°	7.5	7.5	5.5	4.5	4.0	4.0	3.0	4.5	5.0	7.5	12.5
110°	5.0	5.0	4.0	4.0	3.5	4.0	3.0	4.5	4.5	6.0	9.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
112.5°	4.0	4.0	3.5	3.0	2.5	3.0	3.5	4.0	4.0	4.5	6.0
115°	4.0	3.5	3.0	2.5	2.0	2.5	2.5	3.5	3.5	4.5	6.0
117.5°	4.0	4.0	3.0	2.5	2.0	2.0	2.5	3.0	3.0	4.5	6.5
120°	4.0	4.0	3.0	2.5	2.0	1.5	2.0	3.0	3.0	4.0	6.0
122.5°	4.0	4.0	3.0	2.5	2.0	1.5	2.0	2.5	2.5	3.5	6.0
125°	4.5	4.5	3.5	2.5	2.0	1.5	2.0	2.0	2.0	3.5	5.5
127.5°	4.5	4.5	3.5	2.5	2.0	1.5	2.0	2.0	2.0	3.0	4.5
130°	4.5	4.5	3.5	2.5	2.0	1.5	2.0	1.5	1.5	2.5	4.0
132.5°	4.5	4.0	3.5	3.0	2.5	2.0	2.0	1.5	1.5	1.5	3.0
135°	4.0	4.0	3.5	3.0	2.5	2.0	2.0	1.5	1.5	1.5	2.0
137.5°	4.0	4.0	4.0	3.5	3.0	2.5	2.0	1.5	1.5	1.5	1.5
140°	4.5	4.5	4.5	4.0	3.0	2.5	2.0	1.5	1.5	1.5	1.5
142.5°	5.0	5.0	5.0	4.5	3.0	2.5	2.5	1.5	1.5	1.5	1.5
145°	5.5	5.5	5.5	4.5	3.0	2.5	2.5	2.0	2.0	1.5	2.0
147.5°	6.0	6.0	5.5	4.5	2.5	2.0	2.0	2.0	2.0	2.0	2.0
150°	5.5	5.0	5.0	3.5	2.0	1.0	1.5	1.5	1.5	2.0	2.0
152.5°	4.0	4.0	3.5	2.5	1.5	0.5	1.0	1.0	1.5	1.5	1.5
155°	2.5	2.5	2.0	1.5	1.0	0.5	0.5	1.0	1.0	1.0	1.0
157.5°	1.0	1.0	1.0	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5
160°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
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°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
2.5°	2.0	2.0	2.5	3.0	3.0	3.5	3.5	3.5	3.5	3.5	3.5
5°	2.0	2.0	2.5	3.0	3.5	4.0	4.5	4.5	4.5	5.0	5.0
7.5°	2.5	2.5	2.5	3.5	4.0	5.5	15.0	44.9	69.3	71.3	72.3
10°	5.0	5.0	5.0	5.0	11.0	63.8	79.3	82.8	84.8	86.3	86.3
12.5°	66.8	66.3	23.9	12.0	54.8	82.8	87.8	90.2	92.2	93.7	94.2
15°	135.6	136.1	136.1	137.6	99.7	90.2	95.2	140.6	166.5	171.5	173.5
17.5°	148.6	148.6	148.1	165.0	185.5	146.6	163.5	178.5	183.5	186.0	187.0
20°	271.2	270.7	218.4	189.5	196.0	243.3	183.0	190.0	194.0	231.4	232.4
22.5°	299.2	297.7	291.2	292.7	230.9	263.3	250.8	243.3	266.8	265.8	266.8
25°	367.5	331.6	317.6	314.6	334.6	273.7	290.7	251.8	257.8	256.8	257.8
27.5°	481.2	468.2	435.8	368.5	356.5	338.1	291.2	264.3	297.2	304.7	305.6
30°	516.1	499.6	465.2	468.2	397.4	344.0	283.7	292.7	281.2	280.2	278.2
32.5°	707.5	686.1	634.2	510.6	442.8	323.1	285.2	266.3	272.2	292.2	293.2
35°	788.3	763.9	727.5	651.7	429.3	317.1	260.8	259.8	263.8	264.3	263.3
37.5°	880.1	848.1	813.7	686.6	448.3	287.2	243.3	243.8	252.8	270.2	268.3
40°	986.8	951.4	895.5	707.0	402.4	269.3	231.9	239.3	248.8	244.8	241.3
42.5°	1106.9	1049.1	961.3	703.0	350.0	248.3	228.9	233.8	232.4	224.9	222.9
45°	1231.1	1169.7	1025.6	669.6	302.7	234.8	223.4	224.9	218.9	209.4	207.4
47.5°	1374.2	1293.4	1062.0	620.8	264.8	233.8	221.9	216.9	205.4	197.0	196.5
50°	1518.3	1430.0	1118.9	555.5	236.3	229.9	225.4	214.9	200.9	192.5	191.5
52.5°	1659.4	1582.1	1180.2	500.6	214.9	225.4	226.9	215.9	200.9	188.5	188.0
55°	1801.0	1733.2	1246.5	457.2	200.4	224.9	232.4	218.9	203.9	185.5	185.0
57.5°	1943.1	1877.3	1310.4	428.3	194.0	218.4	235.8	228.4	211.9	196.5	197.5
60°	2111.6	2033.8	1385.6	407.9	191.5	214.9	238.8	239.3	216.9	199.4	201.9
62.5°	2277.2	2198.4	1449.5	388.9	185.0	211.4	240.3	247.8	227.9	212.9	215.4
65°	2431.2	2337.5	1478.9	352.5	177.0	207.4	249.3	255.3	236.3	234.8	237.8
67.5°	2490.1	2402.8	1450.0	307.1	172.0	207.4	258.8	265.8	245.3	253.3	261.3
70°	2433.2	2360.4	1377.2	250.3	173.5	208.9	260.3	270.7	258.3	264.8	271.7
72.5°	2256.7	2164.0	1200.2	201.4	173.5	206.9	253.8	262.8	253.3	274.7	281.7
75°	2033.8	1872.3	955.3	166.0	168.5	205.9	238.8	249.3	239.8	262.3	269.7
77.5°	1679.8	1472.9	660.7	146.6	161.6	197.0	223.4	225.4	215.9	229.4	232.9
80°	1184.7	992.7	418.3	132.6	154.6	178.0	197.9	194.5	185.0	187.5	190.5
82.5°	660.7	525.0	243.8	122.2	145.1	148.1	162.0	163.0	150.6	151.1	151.6
85°	262.3	242.8	165.0	102.7	117.2	106.7	121.2	126.1	114.2	100.2	97.2
87.5°	174.0	165.0	115.2	70.3	71.8	60.3	78.8	81.8	67.3	58.3	57.8
90°	165.5	160.6	99.2	47.4	39.9	32.9	43.9	42.4	32.4	28.4	28.9
92.5°	170.5	167.5	100.7	45.4	38.9	31.4	38.9	33.4	24.4	21.4	21.9
95°	168.0	166.5	98.2	44.4	36.9	28.9	32.9	26.9	18.9	17.0	17.0
97.5°	79.8	84.3	60.8	39.9	32.9	24.4	25.4	20.4	13.5	12.5	12.0
100°	12.0	18.9	32.9	36.9	24.4	17.0	16.5	13.5	8.5	8.0	8.0
102.5°	12.5	13.5	20.4	25.4	13.5	9.0	9.0	8.0	6.5	7.5	7.5
105°	13.5	12.5	12.0	14.0	8.0	5.5	5.0	5.0	5.5	8.0	8.5
107.5°	14.5	13.5	9.5	7.5	6.0	5.0	4.0	3.5	5.0	8.5	9.0
110°	11.0	10.5	8.0	6.0	6.0	5.5	3.5	3.5	5.5	9.0	10.0



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CATALOG NUMBER: LXF.LXT-PA1-40-730-U-T2U-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	6.5	7.5	7.0	5.5	5.0	5.0	3.5	3.5	5.5	9.5	10.5
115°	7.0	7.0	6.0	4.5	4.0	4.0	3.5	3.0	5.5	10.0	10.5
117.5°	7.0	7.0	6.0	4.5	3.5	3.0	3.0	3.0	5.5	10.0	10.5
120°	7.0	7.0	6.0	4.0	3.5	3.0	3.0	3.0	5.5	9.5	10.5
122.5°	6.5	6.5	5.5	4.0	3.0	3.0	3.0	3.0	5.5	9.0	9.5
125°	6.0	6.0	5.0	3.5	3.0	2.5	3.0	3.0	5.0	8.0	8.5
127.5°	5.0	5.5	4.5	3.5	3.0	2.5	3.0	3.0	4.5	7.0	7.5
130°	4.5	4.5	4.0	3.0	2.5	2.5	3.0	3.0	4.5	6.5	7.0
132.5°	3.5	3.5	3.0	3.0	2.5	2.5	2.5	2.5	3.5	5.5	5.5
135°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3.0	4.0	4.5
137.5°	2.0	2.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3.5	3.5
140°	1.5	2.0	2.0	2.5	2.5	2.5	2.5	2.5	2.5	3.0	3.0
142.5°	1.5	2.0	2.0	2.5	2.5	2.5	2.5	2.5	3.0	3.5	3.5
145°	2.0	2.0	2.5	2.5	2.5	2.0	2.5	2.5	3.0	3.5	3.5
147.5°	2.0	2.0	2.5	2.5	2.5	2.0	2.0	2.5	3.0	3.5	3.5
150°	2.0	2.0	2.5	2.5	2.0	1.5	2.0	2.0	2.5	3.5	3.5
152.5°	2.0	2.0	2.0	2.0	1.5	1.0	1.5	1.5	2.0	2.5	2.5
155°	1.5	1.5	1.5	1.5	1.5	1.0	1.0	1.0	1.5	1.5	2.0
157.5°	1.0	1.0	1.0	1.5	1.0	1.0	0.5	0.5	0.5	1.0	1.0
160°	0.5	0.5	1.0	1.0	1.0	1.0	0.5	0.5	0.5	0.5	0.5
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)