

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: P415042

Luminaire Tested: **LXF.LXT-PA1-40-730-U-T2R-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415042
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-PA1-40-730-U-T2R-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 500mA 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: 4210.1 lumens
Efficiency: N/A
Efficacy: 105.3 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

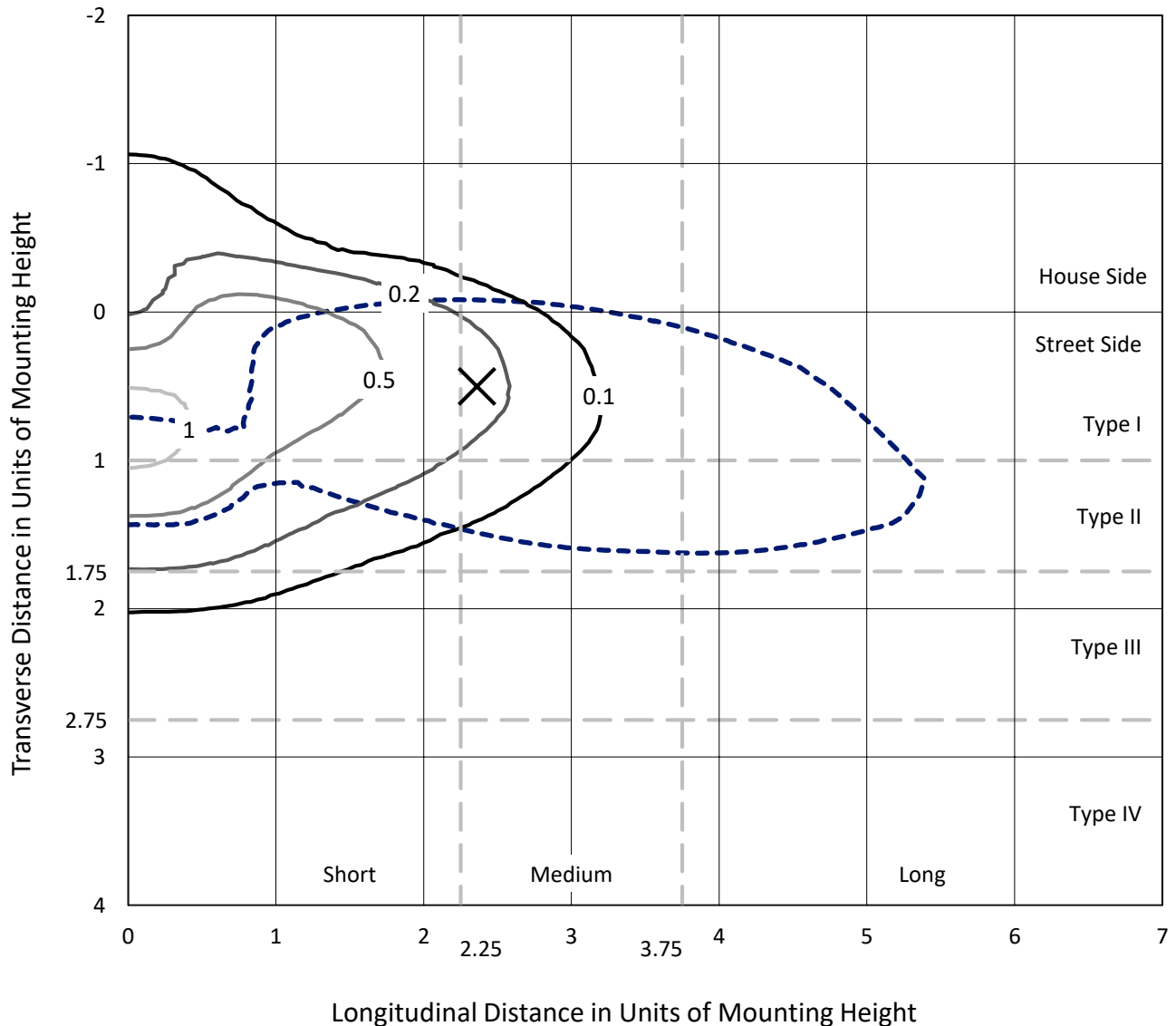
Input Watts (W): 40
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

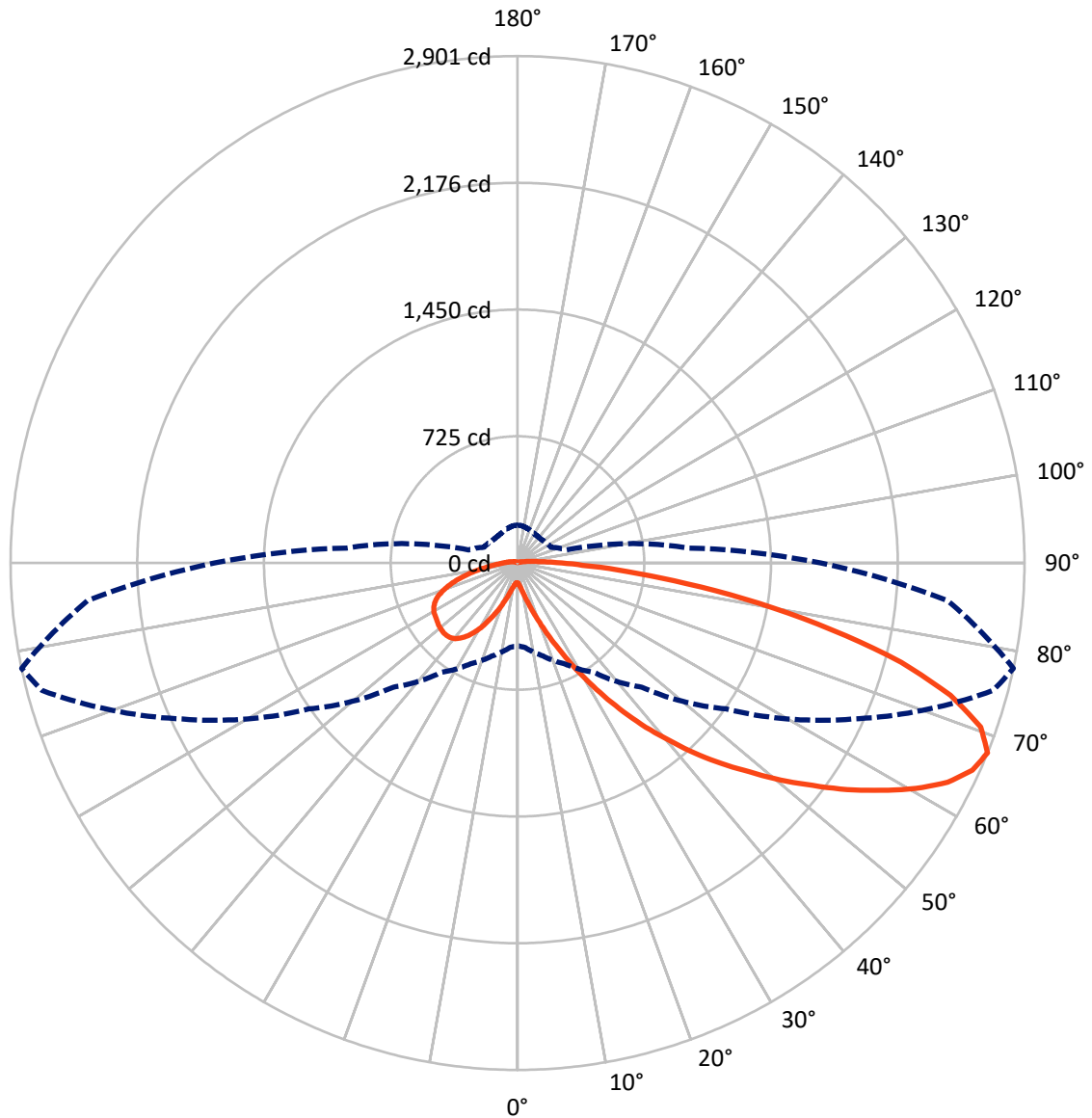


Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type II - Medium - Non-Cutoff

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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	800.0	65.0	864.9
	% Fixture	19.0	1.5	20.5
Street Side	Lumens	3279.3	65.9	3345.1
	% Fixture	77.9	1.6	79.5
Total	Lumens	4079.2	130.8	4210.1
	% Fixture	96.9	3.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.1	0.3
10°-20°	65.4	1.6
20°-30°	199.3	4.7
30°-40°	445.9	10.6
40°-50°	734.7	17.4
50°-60°	904.2	21.5
60°-70°	877.0	20.8
70°-80°	607.3	14.4
80°-90°	232.5	5.5
90°-100°	66.7	1.6
100°-110°	28.9	0.7
110°-120°	15.6	0.4
120°-130°	9.7	0.2
130°-140°	6.0	0.1
140°-150°	2.9	0.1
150°-160°	0.9	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	4079.2	96.9
0°-180°	4210.1	100.0

Coefficient of Utilization



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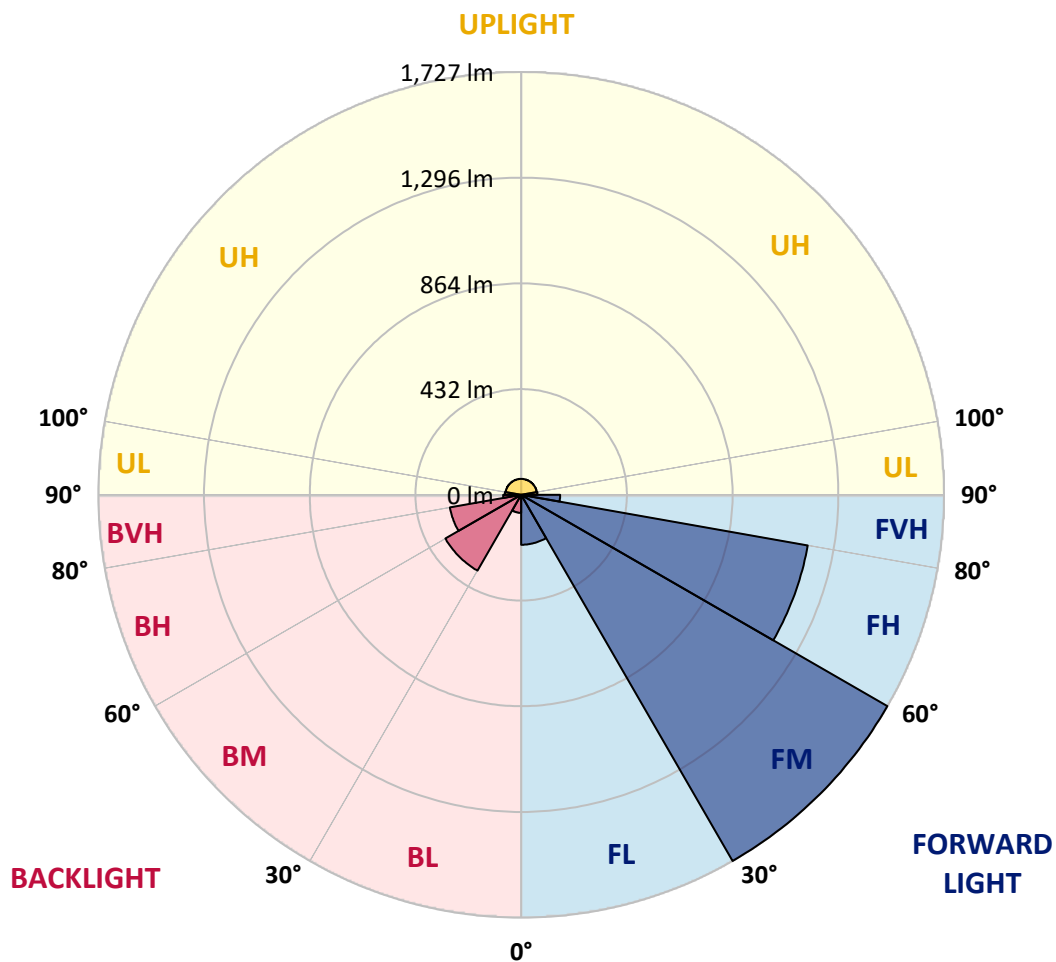
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	204.1	4.8			
FM	(30°-60°)	1727.4	41.0			
FH	(60°-80°)	1188.7	28.2			G1/1800
FVH	(80°-90°)	159.1	3.8			G2/225
BL	(0°-30°)	73.7	1.7	B0/110		
BM	(30°-60°)	357.3	8.5	B1/1000		
BH	(60°-80°)	295.6	7.0	B1/500		G1/500
BVH	(80°-90°)	73.4	1.7			G1/100
UL	(90°-100°)	66.7	1.6		U3/500	
UH	(100°-180°)	65.0	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°	114.7	114.7	114.7	114.7	114.7	114.7	114.7	114.7	114.7	114.7	114.7
2.5°	136.6	135.6	135.6	135.1	133.1	131.1	128.1	124.7	121.7	119.7	117.7
5°	166.0	162.5	163.5	160.6	157.1	153.1	147.6	140.1	133.1	131.6	126.1
7.5°	201.4	197.0	198.4	195.0	188.5	180.0	172.5	161.6	151.1	147.6	139.6
10°	246.3	241.8	239.3	234.3	226.9	215.9	204.4	190.0	175.5	170.5	160.6
12.5°	299.7	296.2	292.7	285.7	273.7	259.8	245.3	229.4	210.4	203.9	188.5
15°	366.0	363.0	355.5	346.0	328.6	313.1	291.2	276.7	253.3	245.3	226.4
17.5°	440.3	434.3	426.8	412.9	392.9	373.5	355.0	330.6	305.2	298.7	275.2
20°	532.0	530.0	515.6	492.1	470.2	443.8	425.8	401.9	373.5	364.5	333.6
22.5°	640.7	636.7	619.8	584.4	551.5	517.6	503.1	478.2	457.7	445.3	404.9
25°	771.4	763.9	736.0	693.6	646.7	606.3	582.4	573.4	557.5	538.5	489.1
27.5°	910.5	911.0	872.6	809.8	744.4	696.1	677.6	681.1	661.7	651.2	590.9
30°	1082.5	1070.0	1019.7	942.4	854.1	791.8	780.8	798.3	792.8	772.4	701.1
32.5°	1254.5	1250.0	1187.7	1082.0	966.3	898.0	890.0	927.9	926.4	906.0	815.2
35°	1426.0	1421.1	1343.8	1220.6	1083.5	1005.2	998.2	1048.1	1066.0	1045.6	943.9
37.5°	1598.6	1587.1	1509.3	1359.7	1194.7	1103.4	1106.4	1169.3	1211.1	1192.7	1068.0
40°	1750.6	1748.6	1657.9	1487.9	1301.9	1203.2	1223.1	1305.9	1357.2	1331.8	1194.2
42.5°	1867.3	1858.8	1778.6	1594.1	1398.1	1296.4	1330.8	1440.5	1506.3	1488.9	1318.3
45°	1921.2	1916.2	1851.9	1674.4	1472.9	1377.2	1431.5	1565.2	1654.9	1636.0	1446.0
47.5°	1906.7	1902.2	1867.3	1713.7	1522.3	1446.5	1520.3	1686.3	1811.0	1785.5	1573.1
50°	1819.9	1824.4	1813.5	1702.3	1539.7	1490.9	1604.5	1807.5	1963.5	1951.6	1695.8
52.5°	1661.4	1674.4	1691.8	1642.4	1523.8	1510.8	1665.4	1912.7	2115.1	2114.6	1831.9
55°	1455.5	1464.4	1525.3	1516.3	1462.9	1510.3	1710.3	2016.4	2285.7	2288.1	1972.5
57.5°	1237.1	1232.6	1313.4	1360.2	1374.2	1471.9	1732.2	2108.1	2436.2	2453.7	2121.1
60°	998.2	1014.7	1090.5	1186.2	1238.6	1396.1	1724.7	2173.0	2581.3	2619.7	2256.2
62.5°	811.2	803.8	887.0	991.2	1097.5	1287.4	1670.4	2203.4	2719.4	2762.3	2380.9
65°	612.8	628.3	703.5	795.8	921.9	1150.3	1582.6	2187.4	2804.7	2859.6	2459.2
67.5°	472.7	484.7	549.0	635.7	764.4	1004.7	1456.0	2113.1	2817.7	2900.9	2470.1
70°	365.5	375.0	420.3	494.1	616.8	844.2	1278.0	1971.5	2746.9	2811.7	2369.4
72.5°	291.2	295.2	327.1	386.9	487.1	688.6	1084.5	1749.1	2533.0	2590.8	2163.0
75°	228.9	234.8	260.8	305.7	380.4	550.5	886.5	1477.9	2207.4	2267.2	1878.3
77.5°	182.0	188.0	207.4	238.8	295.2	424.3	692.6	1204.2	1802.0	1838.9	1496.3
80°	144.6	147.6	164.0	187.5	229.4	327.1	521.6	914.0	1364.7	1403.1	1111.9
82.5°	109.7	112.2	128.6	149.1	179.0	247.8	377.0	642.7	961.3	971.8	754.9
85°	78.8	83.3	96.7	113.7	137.1	184.5	270.2	436.3	613.3	629.3	478.2
87.5°	55.8	57.8	71.3	87.3	104.7	136.6	188.0	287.2	377.5	373.0	290.2
90°	37.9	39.4	51.4	64.3	79.8	102.2	131.1	180.5	231.9	224.4	182.0
92.5°	25.4	27.9	37.9	48.9	62.3	78.8	93.2	118.2	143.6	136.6	115.7
95°	18.9	19.9	28.9	38.9	49.9	60.3	69.3	80.8	91.7	89.8	79.8
97.5°	15.0	16.0	23.4	31.9	40.4	48.9	53.9	57.8	63.8	63.3	57.3
100°	13.0	13.5	19.9	27.4	34.9	40.9	43.9	44.9	46.9	45.9	43.9
102.5°	11.0	12.0	17.5	23.9	30.4	34.9	36.9	35.9	35.4	34.4	32.4
105°	10.0	10.5	15.5	21.4	26.9	30.4	30.9	29.4	26.9	26.4	25.4
107.5°	9.5	10.0	14.0	19.4	23.9	26.9	26.4	24.4	21.4	20.4	19.9
110°	9.0	9.5	13.0	17.5	21.9	23.9	23.4	20.4	17.0	16.0	16.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
112.5°	9.0	9.0	12.0	16.0	19.9	21.4	20.4	17.5	14.0	13.5	14.0
115°	8.5	9.0	11.5	15.0	18.0	19.4	18.0	15.0	12.0	11.5	12.0
117.5°	8.5	9.0	11.0	14.0	17.0	17.5	16.0	13.0	10.0	10.0	11.0
120°	8.5	9.0	10.5	13.0	15.5	16.0	14.5	11.5	9.0	9.0	10.0
122.5°	9.0	9.0	10.0	12.5	14.5	15.0	13.0	10.0	8.5	8.5	9.5
125°	9.0	9.0	10.0	11.5	13.5	13.5	12.0	9.0	7.5	7.5	9.0
127.5°	9.0	9.0	10.0	11.0	12.5	12.5	11.0	8.5	7.0	7.0	8.5
130°	9.0	9.5	9.5	10.5	11.5	11.5	10.0	7.5	7.0	7.0	8.0
132.5°	9.5	9.5	9.5	10.0	11.0	10.5	8.5	7.0	6.5	6.5	7.5
135°	9.0	9.0	9.0	9.5	10.0	9.5	7.5	6.0	6.0	6.5	7.0
137.5°	9.0	9.0	9.0	8.5	9.0	8.5	7.0	5.5	5.5	6.0	6.5
140°	8.0	8.5	8.0	8.0	8.0	7.5	6.0	4.5	5.0	5.5	5.5
142.5°	7.5	7.5	7.5	7.0	7.0	6.5	5.0	4.0	4.5	4.5	5.0
145°	7.0	7.0	6.5	6.0	6.0	5.0	4.0	3.5	4.0	4.0	4.5
147.5°	6.0	6.0	6.0	5.0	4.5	4.0	2.5	2.5	3.0	3.5	3.5
150°	5.0	5.0	5.0	4.5	3.5	3.0	2.0	2.5	2.5	2.5	3.0
152.5°	4.0	4.0	4.0	3.5	3.0	2.0	1.5	2.0	2.0	2.0	2.5
155°	2.5	2.5	2.5	2.5	2.0	1.0	1.5	1.5	2.0	2.0	2.0
157.5°	1.5	1.5	1.5	1.5	1.0	1.0	1.0	1.5	1.5	1.5	1.5
160°	0.5	0.5	1.0	1.0	1.5	1.0	1.0	1.0	1.0	1.0	1.0
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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	114.7	114.7	114.7	114.7	114.7	114.7	114.7	114.7	114.7	114.7	114.7
2.5°	116.2	114.7	112.2	109.7	107.2	104.7	102.7	102.2	100.7	100.7	100.2
5°	123.2	120.7	114.2	109.2	103.7	99.2	95.7	94.2	92.7	91.7	91.7
7.5°	135.6	130.1	120.7	112.2	104.7	98.2	93.7	91.2	89.3	88.3	88.3
10°	152.6	145.6	131.1	118.7	107.7	99.7	94.7	91.7	90.2	89.3	88.8
12.5°	177.5	167.5	146.6	128.6	114.7	104.7	98.2	96.2	96.7	96.7	96.7
15°	211.4	197.0	168.5	144.1	124.2	111.2	106.7	106.7	108.2	108.7	107.7
17.5°	255.3	235.8	196.0	159.6	136.1	122.7	117.7	117.7	120.2	121.7	121.7
20°	309.1	281.2	224.9	180.0	150.1	135.6	129.6	130.1	133.1	135.1	135.1
22.5°	371.0	338.1	261.8	200.9	165.5	147.1	140.6	141.1	146.1	148.6	149.6
25°	451.2	400.4	298.7	222.4	180.0	158.1	151.6	152.1	158.6	162.0	162.0
27.5°	536.0	469.7	336.1	243.3	192.5	168.0	161.6	163.0	170.0	173.0	174.0
30°	626.3	543.5	373.5	261.3	202.4	175.5	169.0	172.0	178.5	183.0	183.5
32.5°	726.5	615.8	403.4	275.7	210.9	182.0	175.5	180.0	185.5	190.5	191.0
35°	831.2	687.6	429.8	285.7	216.4	187.5	180.5	185.0	190.5	195.0	194.5
37.5°	924.9	746.4	447.3	289.7	219.4	190.5	184.0	188.5	193.5	197.0	197.0
40°	1017.2	807.8	455.7	286.7	219.4	192.0	185.5	190.5	195.0	197.0	197.0
42.5°	1104.9	853.1	454.2	280.7	218.4	192.5	186.5	191.0	195.0	196.0	196.0
45°	1180.7	895.0	445.3	270.7	214.9	192.0	187.0	191.0	194.0	194.0	194.5
47.5°	1270.5	927.9	432.3	260.3	210.9	191.0	186.0	190.5	193.0	193.0	192.5
50°	1351.2	959.8	414.8	248.8	207.4	190.0	185.5	190.0	193.0	192.0	192.0
52.5°	1437.0	988.3	396.9	238.3	203.9	189.5	185.5	190.0	193.0	192.5	193.0
55°	1516.3	1016.7	374.5	228.9	201.9	189.0	186.0	190.5	194.5	194.5	194.0
57.5°	1618.0	1031.6	357.0	222.4	199.9	189.0	186.5	191.5	196.5	197.0	197.5
60°	1689.8	1051.1	342.5	218.4	199.9	190.0	188.0	193.0	199.4	201.9	203.4
62.5°	1742.2	1050.1	325.1	216.4	200.4	191.0	189.5	194.5	202.9	206.4	208.4
65°	1769.6	1032.1	307.1	214.9	200.9	192.0	190.5	195.5	205.4	211.9	213.9
67.5°	1733.7	983.8	288.7	212.4	200.4	191.5	191.0	196.5	206.9	215.4	216.4
70°	1646.4	902.0	266.8	206.9	198.4	190.0	189.5	194.0	205.4	215.4	216.4
72.5°	1480.9	798.3	241.3	198.9	194.0	186.5	185.0	189.5	200.4	210.4	210.4
75°	1259.5	678.1	216.4	187.5	185.0	180.5	179.0	181.5	191.0	200.4	200.9
77.5°	986.3	540.0	190.0	171.5	174.0	170.5	169.0	170.5	179.0	185.5	186.0
80°	750.4	411.4	164.5	152.6	158.6	157.6	156.1	155.6	161.6	166.5	165.0
82.5°	517.6	292.7	136.1	132.6	139.1	140.6	140.1	136.6	141.1	145.1	142.6
85°	334.1	206.9	113.7	112.2	118.2	120.7	120.2	117.7	118.7	123.2	118.2
87.5°	215.9	148.6	93.7	92.7	97.7	100.7	100.7	95.7	97.7	102.2	96.7
90°	135.1	105.2	78.3	77.8	81.3	82.8	80.8	77.8	78.8	81.3	79.3
92.5°	95.7	79.3	65.3	65.3	66.3	67.3	66.3	62.8	64.8	64.8	64.8
95°	69.8	62.8	56.8	55.8	55.3	54.8	54.3	51.9	53.9	53.4	51.9
97.5°	53.4	50.4	48.4	47.9	46.9	46.4	45.9	43.9	45.4	44.4	43.4
100°	41.9	41.4	41.4	41.4	40.4	38.9	38.9	38.4	38.4	36.9	36.9
102.5°	33.4	33.4	35.4	35.9	34.9	33.9	33.9	33.4	32.9	30.9	30.4
105°	26.4	27.4	30.4	30.9	30.4	29.4	28.9	28.9	27.9	25.4	25.4
107.5°	21.4	22.4	25.9	26.9	26.4	25.9	25.4	24.9	23.9	21.4	21.4
110°	17.5	18.9	21.9	23.4	22.9	22.4	22.4	21.4	20.4	18.4	18.4



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CATALOG NUMBER: LXF.LXT-PA1-40-730-U-T2R-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	15.0	16.5	18.9	20.4	20.4	19.9	19.4	18.9	17.5	16.0	16.0
115°	13.0	14.5	17.0	18.0	18.0	17.5	17.0	16.5	15.0	14.0	14.5
117.5°	12.0	13.0	15.0	16.0	16.0	15.5	15.0	14.5	13.5	13.0	13.0
120°	11.0	12.0	13.5	14.5	14.5	14.0	13.5	13.0	12.0	12.0	12.0
122.5°	10.0	11.0	12.5	13.0	13.0	12.5	12.0	11.5	10.5	11.0	11.0
125°	9.5	10.0	11.0	12.0	12.0	11.5	11.0	10.0	9.5	10.0	10.0
127.5°	9.0	9.5	10.5	11.0	11.0	10.5	9.5	9.0	8.5	9.0	9.0
130°	8.5	9.0	9.5	10.0	10.0	9.0	8.5	8.0	8.0	8.5	8.5
132.5°	8.0	8.5	8.5	9.0	9.0	8.5	7.5	7.0	7.0	7.5	7.5
135°	7.5	7.5	8.0	8.0	8.0	7.5	6.5	6.0	6.5	7.0	7.0
137.5°	6.5	7.0	7.0	7.5	7.0	6.5	5.5	5.5	6.0	6.0	6.0
140°	6.0	6.0	6.5	6.5	6.0	5.5	5.0	4.5	5.0	5.5	5.5
142.5°	5.5	5.5	5.5	5.5	5.5	4.5	4.0	4.0	4.5	4.5	4.5
145°	4.5	4.5	5.0	4.5	4.5	3.5	3.0	3.5	4.0	4.0	4.0
147.5°	3.5	4.0	4.0	4.0	3.5	2.5	2.0	3.0	3.5	3.5	3.5
150°	3.0	3.0	3.0	3.0	3.0	2.0	1.5	2.5	3.0	3.0	3.0
152.5°	2.5	2.5	3.0	3.0	2.5	1.5	1.0	2.0	2.5	2.5	2.0
155°	2.0	2.0	2.5	2.5	2.0	1.0	1.0	1.5	2.0	2.0	1.5
157.5°	1.5	2.0	2.0	2.0	1.5	1.0	0.5	1.0	1.5	1.5	1.5
160°	1.5	1.5	1.5	2.0	1.5	1.0	0.5	1.0	1.5	1.0	1.0
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)