

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: P415060

Luminaire Tested: **LXF.LXT-PA1-40-730-U-T3-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415060
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-PA1-40-730-U-T3-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 500mA 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: 4340.1 lumens
Efficiency: N/A
Efficacy: 108.5 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 - G3

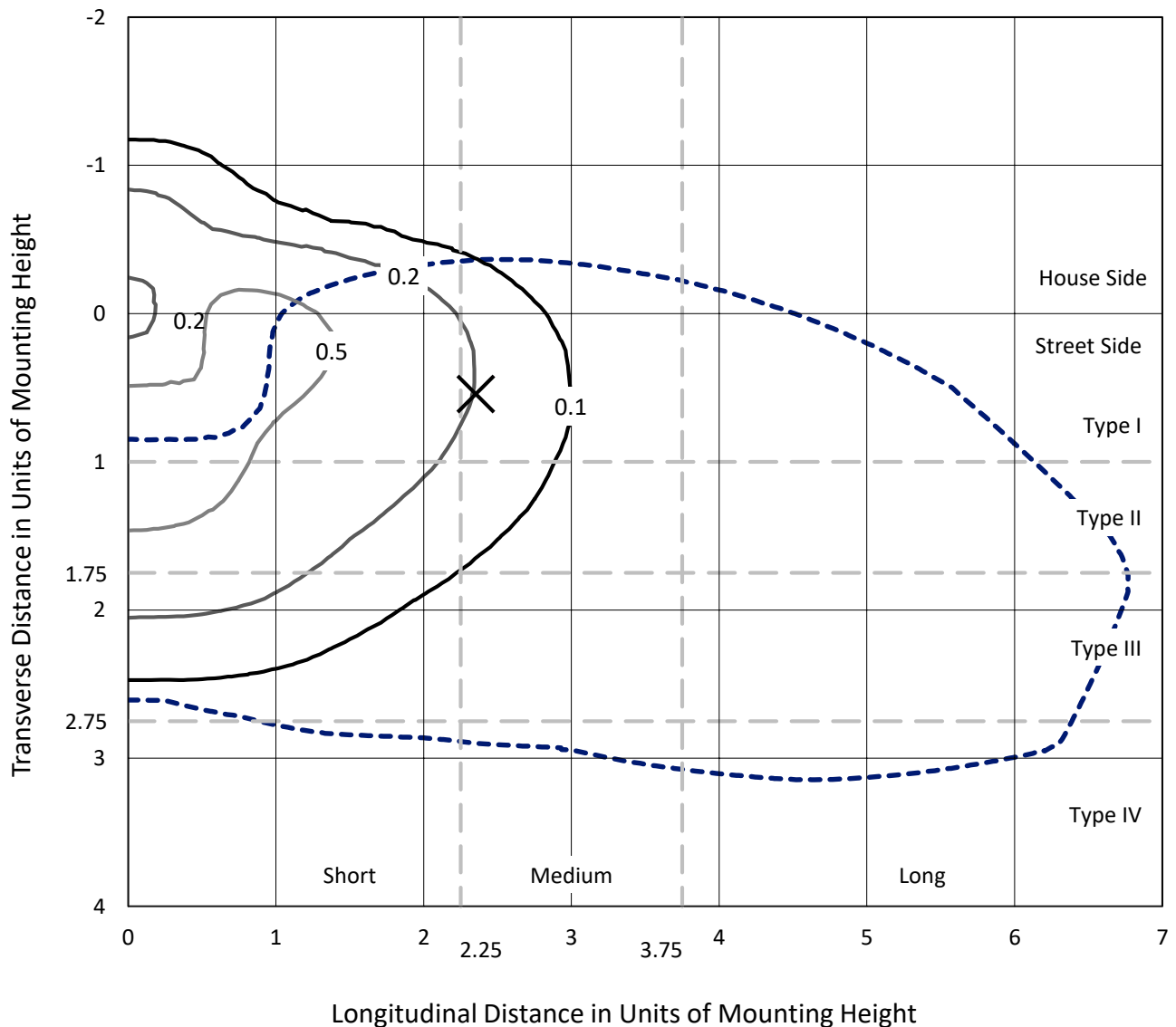
Input Watts (W): 40
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

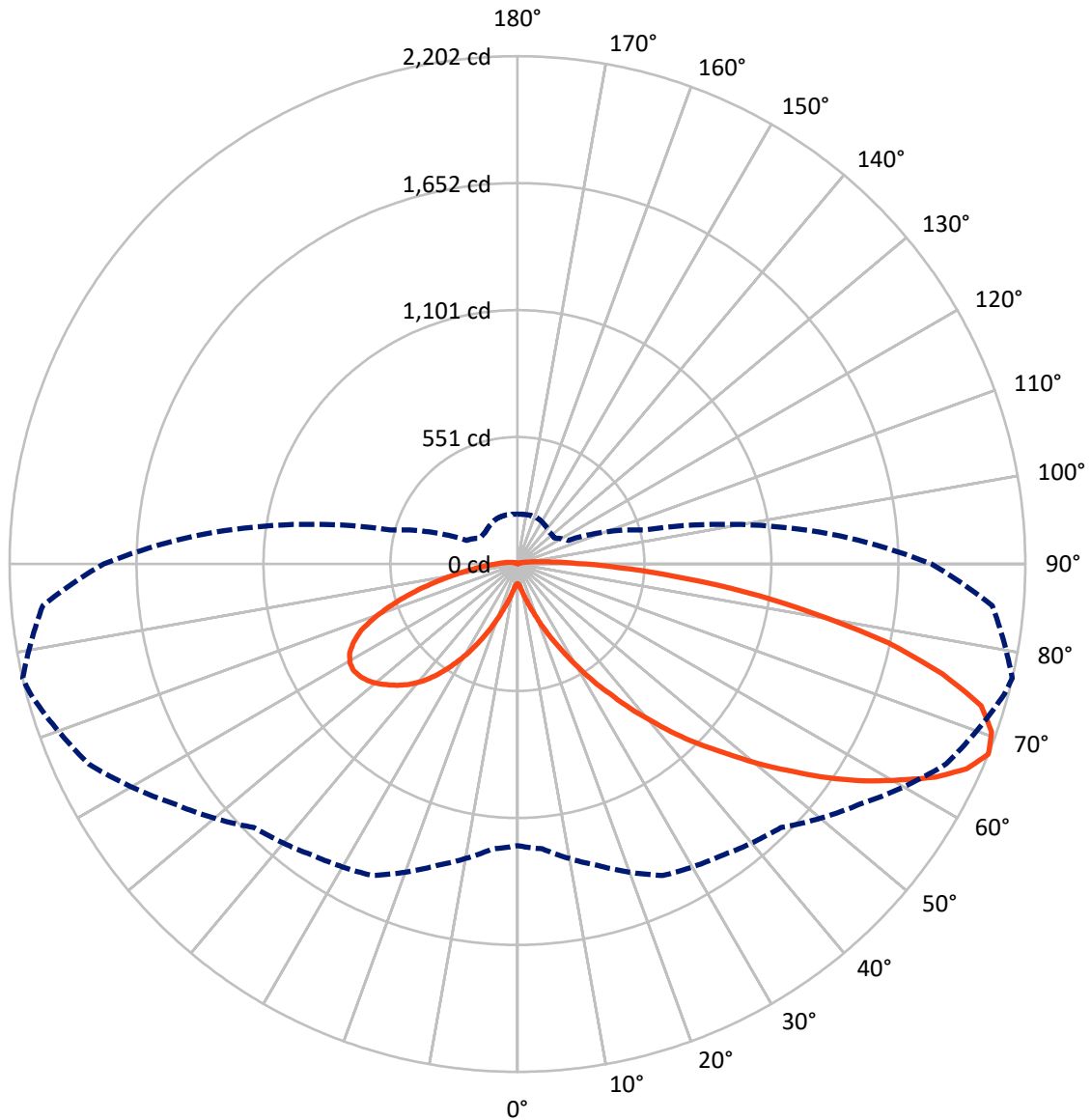
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 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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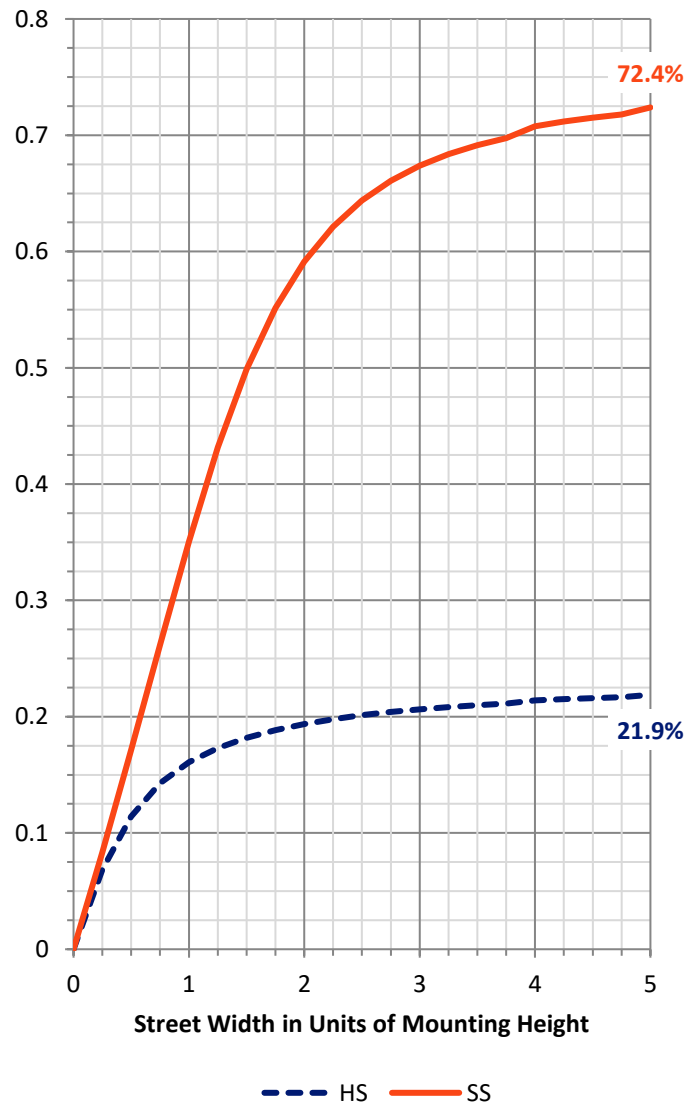
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	990.1	65.2	1055.4
	% Fixture	22.8	1.5	24.3
Street Side	Lumens	3212.1	72.7	3284.7
	% Fixture	74.0	1.7	75.7
Total	Lumens	4202.2	137.9	4340.1
	% Fixture	96.8	3.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.9	0.2
10°-20°	50.3	1.2
20°-30°	150.4	3.5
30°-40°	333.1	7.7
40°-50°	596.5	13.7
50°-60°	893.4	20.6
60°-70°	1053.0	24.3
70°-80°	804.0	18.5
80°-90°	311.7	7.2
90°-100°	79.4	1.8
100°-110°	30.0	0.7
110°-120°	14.1	0.3
120°-130°	7.6	0.2
130°-140°	4.2	0.1
140°-150°	1.9	0.0
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4202.2	96.8
0°-180°	4340.1	100.0



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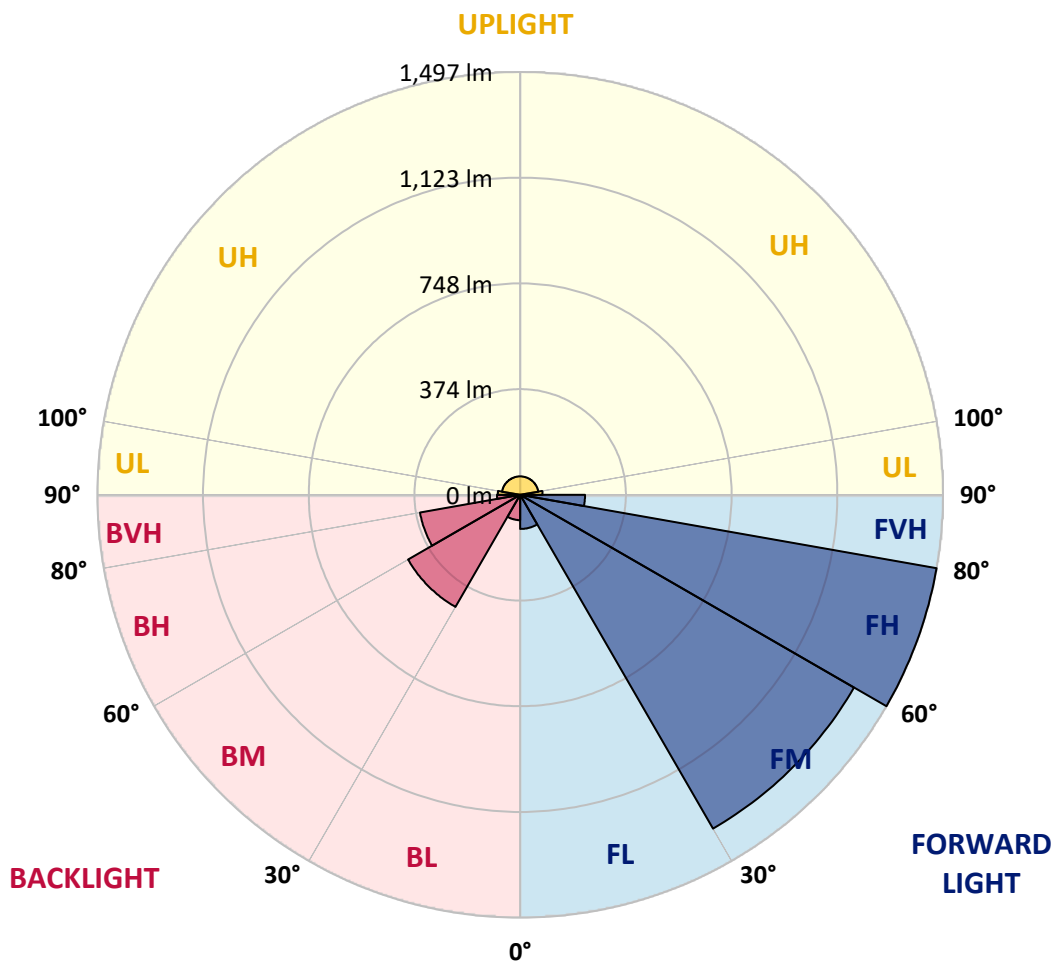
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	121.0	2.8			
FM	(30°-60°)	1364.6	31.4			
FH	(60°-80°)	1496.9	34.5			G1/1800
FVH	(80°-90°)	229.5	5.3			G3/500
BL	(0°-30°)	89.6	2.1	B0/110		
BM	(30°-60°)	458.3	10.6	B1/1000		
BH	(60°-80°)	360.1	8.3	B1/500		G1/500
BVH	(80°-90°)	82.1	1.9			G1/100
UL	(90°-100°)	79.4	1.8		U3/500	
UH	(100°-180°)	65.2	1.5		U3/500	

BUG Rating: B1-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
2.5°	90.2	89.7	90.2	90.2	90.7	89.7	88.8	88.3	87.8	87.8	87.3
5°	99.7	98.7	99.2	99.7	99.2	98.2	96.7	96.2	95.2	95.2	94.2
7.5°	113.2	113.2	112.7	111.7	112.7	111.2	110.2	109.7	108.2	107.7	107.2
10°	133.6	132.6	132.1	131.1	130.1	129.6	127.6	127.6	125.1	126.1	124.7
12.5°	160.1	158.1	158.6	156.6	153.6	151.6	150.6	150.1	150.1	150.1	149.6
15°	192.0	190.5	190.0	185.5	182.5	180.0	178.0	178.5	181.0	181.5	179.5
17.5°	228.4	230.9	226.4	222.4	217.9	212.9	212.9	212.9	214.9	216.4	215.4
20°	279.2	274.2	269.2	262.8	255.3	251.3	249.3	255.3	258.8	261.3	260.3
22.5°	335.1	330.1	324.6	314.1	303.6	296.2	296.2	303.6	311.6	314.6	315.6
25°	398.4	401.4	387.9	372.0	353.0	346.5	347.5	358.5	370.5	373.0	378.9
27.5°	476.7	476.7	465.2	439.8	414.8	401.9	402.9	420.8	438.8	442.3	446.7
30°	571.9	568.4	553.0	519.0	486.1	461.7	466.2	488.1	516.6	519.5	525.0
32.5°	678.1	677.6	647.7	605.8	558.4	529.5	531.5	563.4	598.8	607.3	613.3
35°	795.8	798.8	759.9	699.0	644.2	605.3	611.8	648.2	689.6	691.6	699.0
37.5°	930.4	928.9	882.5	816.2	734.4	693.1	688.1	737.4	780.8	793.8	789.8
40°	1079.5	1063.5	1018.6	936.4	835.7	780.3	781.3	832.2	891.0	895.0	894.0
42.5°	1226.6	1219.6	1165.2	1054.0	946.3	881.0	883.5	932.4	993.2	1008.7	997.7
45°	1385.1	1367.7	1308.8	1194.2	1063.0	992.2	985.7	1040.6	1107.4	1119.4	1108.9
47.5°	1513.3	1502.3	1450.4	1328.3	1188.2	1097.4	1087.5	1154.8	1231.1	1232.0	1216.6
50°	1619.5	1614.0	1573.1	1464.9	1309.3	1215.1	1204.6	1271.4	1351.2	1364.2	1341.7
52.5°	1711.2	1702.2	1681.8	1575.1	1419.5	1315.8	1314.3	1387.6	1487.3	1493.3	1471.9
55°	1740.6	1746.1	1743.1	1667.8	1527.7	1415.5	1428.0	1526.7	1616.0	1636.9	1596.5
57.5°	1736.1	1736.1	1764.6	1730.2	1600.0	1505.8	1532.7	1651.9	1768.0	1774.5	1726.2
60°	1668.3	1669.8	1738.1	1747.6	1651.9	1583.1	1646.4	1779.0	1898.2	1902.2	1856.8
62.5°	1570.6	1567.1	1667.3	1715.2	1658.4	1628.9	1727.7	1890.2	2020.8	2034.3	1966.0
65°	1418.0	1424.5	1532.7	1627.9	1624.5	1646.4	1791.0	1990.4	2120.6	2140.0	2041.3
67.5°	1221.1	1240.0	1353.7	1490.3	1543.2	1616.0	1814.4	2051.8	2185.4	2202.3	2066.7
70°	1011.7	1007.2	1130.3	1301.9	1405.1	1538.2	1788.5	2054.2	2186.9	2181.4	2012.4
72.5°	767.4	786.3	897.0	1071.5	1224.6	1390.6	1704.2	1990.4	2103.1	2102.1	1868.8
75°	545.5	556.9	654.7	829.2	1011.7	1218.1	1536.2	1851.3	1934.1	1904.2	1660.8
77.5°	360.0	370.5	454.7	613.8	782.8	1001.2	1310.3	1608.5	1674.3	1643.4	1395.6
80°	223.9	228.9	292.7	418.8	568.9	775.8	1061.0	1315.3	1341.2	1309.8	1074.5
82.5°	133.1	137.1	183.0	268.7	405.4	564.9	799.8	1008.2	1016.7	995.2	774.8
85°	81.8	87.3	116.7	179.5	270.2	398.4	557.4	700.5	706.5	681.6	512.1
87.5°	53.4	56.3	79.3	116.7	182.0	266.8	373.5	466.2	452.7	437.3	323.6
90°	36.4	38.4	54.3	80.3	123.2	176.5	236.3	291.7	270.2	258.3	196.4
92.5°	25.4	27.4	39.9	57.8	85.3	118.2	153.6	174.5	165.5	160.1	123.7
95°	19.9	20.9	30.4	44.9	63.3	83.8	101.7	108.2	102.7	98.7	83.3
97.5°	16.0	17.0	25.4	36.4	49.4	62.3	70.8	72.8	67.3	65.3	57.8
100°	13.5	14.5	21.4	30.4	40.4	49.4	52.9	52.4	47.9	46.9	41.9
102.5°	12.0	12.5	18.9	26.4	34.4	39.9	41.9	39.4	34.9	34.4	31.4
105°	10.5	11.5	16.5	22.9	29.4	33.9	33.9	30.9	25.9	25.4	23.9
107.5°	10.0	10.0	14.5	19.9	25.4	28.4	28.4	24.9	20.4	19.4	18.4
110°	9.0	9.5	13.0	17.5	21.9	24.4	23.9	19.9	15.5	15.0	14.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	8.5	8.5	11.5	15.5	18.9	20.9	19.9	16.5	12.5	12.0	11.5
115°	8.0	8.0	10.5	14.0	17.0	18.4	17.0	13.5	10.0	9.5	10.0
117.5°	7.5	8.0	9.5	12.5	15.0	16.0	14.5	11.5	8.5	8.0	8.5
120°	7.5	7.5	9.0	11.0	13.0	14.0	12.5	9.5	7.0	7.0	7.5
122.5°	7.5	7.5	8.5	10.0	11.5	12.0	10.5	8.0	6.5	6.5	7.0
125°	7.0	7.0	8.0	9.0	10.5	10.5	9.5	7.0	5.5	5.5	6.5
127.5°	7.0	7.0	7.5	8.5	9.5	9.5	8.0	6.0	5.0	5.5	6.0
130°	6.5	6.5	7.0	7.5	8.5	8.0	7.0	5.5	4.5	5.0	5.5
132.5°	6.5	6.5	6.5	7.0	7.5	7.0	6.0	4.5	4.5	4.5	5.0
135°	6.0	6.0	6.5	6.5	6.5	6.0	5.0	4.0	4.0	4.0	4.5
137.5°	6.0	6.0	6.0	6.0	6.0	5.5	4.5	3.5	3.5	3.5	4.0
140°	5.5	5.5	5.5	5.0	5.0	4.5	3.5	3.0	3.0	3.0	3.5
142.5°	5.0	5.0	5.0	4.5	4.5	3.5	3.0	2.5	2.5	3.0	3.0
145°	4.5	4.5	4.5	4.0	3.5	3.0	2.0	2.0	2.5	2.5	3.0
147.5°	3.5	3.5	3.5	3.5	2.5	2.5	1.5	2.0	2.0	2.5	2.5
150°	3.0	3.0	3.0	3.0	2.0	1.5	1.0	1.5	2.0	2.0	2.0
152.5°	2.5	2.5	2.5	2.5	1.5	1.0	1.0	1.5	1.5	1.5	2.0
155°	1.5	1.5	2.0	1.5	1.0	0.5	1.0	1.0	1.5	1.5	1.5
157.5°	1.0	1.0	1.0	1.0	0.5	0.5	0.5	1.0	1.0	1.0	1.5
160°	0.5	0.5	1.0	1.0	1.0	0.5	0.5	0.5	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°	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
2.5°	86.8	87.3	86.8	86.3	86.3	85.8	85.8	85.8	85.8	85.3	85.3
5°	94.7	94.2	93.7	92.7	91.7	90.7	90.7	90.2	89.7	89.3	89.3
7.5°	105.7	105.7	104.7	103.2	101.7	100.7	99.7	99.2	97.7	97.7	97.2
10°	122.7	122.7	119.7	118.2	115.7	113.2	112.2	110.7	109.7	109.2	108.7
12.5°	147.1	145.6	142.6	137.6	132.6	128.6	126.1	125.1	125.6	125.6	126.1
15°	178.5	175.5	171.0	161.5	152.6	146.6	145.1	145.1	145.6	145.6	146.1
17.5°	215.9	211.4	201.4	189.5	176.5	168.5	165.0	165.0	166.0	167.5	169.0
20°	261.3	257.3	241.8	220.9	201.4	191.0	185.0	184.5	186.5	191.0	190.0
22.5°	312.6	308.1	285.2	254.8	227.9	210.9	204.4	206.4	211.4	214.4	214.4
25°	374.5	367.0	332.6	288.2	253.8	229.9	221.4	224.4	231.9	235.3	236.8
27.5°	440.8	430.8	384.9	324.6	274.2	245.3	236.3	240.3	249.3	254.8	256.3
30°	519.5	502.1	439.8	358.5	292.7	256.3	246.8	254.3	264.3	270.7	272.2
32.5°	602.3	575.4	487.1	387.4	306.1	263.8	254.3	263.3	274.2	281.7	282.2
35°	685.1	654.2	539.5	410.8	313.1	267.3	257.3	267.8	279.7	285.7	287.2
37.5°	774.8	732.0	584.9	425.8	316.1	266.8	257.3	267.8	279.2	284.2	285.2
40°	861.1	808.2	625.2	434.8	315.1	262.8	253.8	264.8	274.7	278.2	277.7
42.5°	957.8	882.0	657.7	435.3	308.1	256.8	249.3	258.8	265.8	265.3	265.8
45°	1050.1	960.3	681.6	431.8	298.7	249.3	243.3	251.8	254.3	251.8	251.3
47.5°	1151.3	1038.1	700.5	422.8	287.2	242.3	236.8	243.3	243.8	238.3	237.3
50°	1258.5	1115.9	718.0	406.4	273.7	234.3	230.9	236.3	235.3	226.4	224.9
52.5°	1363.2	1194.7	729.0	386.4	260.3	227.4	225.9	231.4	228.4	217.9	215.9
55°	1474.9	1267.5	731.0	366.5	247.3	221.4	221.4	227.4	223.9	212.9	211.4
57.5°	1584.1	1343.7	723.5	340.5	234.8	214.9	217.9	224.9	222.4	211.4	210.4
60°	1686.3	1401.1	703.0	316.1	223.4	210.4	215.4	223.4	221.4	212.4	211.4
62.5°	1765.6	1439.0	670.6	292.2	213.4	205.9	212.9	220.9	221.4	213.9	214.4
65°	1802.5	1439.0	623.8	268.2	204.4	201.4	210.4	219.4	220.4	215.9	215.9
67.5°	1794.5	1402.1	570.9	243.3	196.0	196.0	206.9	216.4	218.4	216.4	216.4
70°	1710.2	1302.4	498.6	223.4	187.5	189.5	201.4	211.4	214.4	214.9	214.4
72.5°	1573.1	1152.3	423.8	202.4	178.5	183.0	194.5	204.4	208.4	209.4	208.9
75°	1361.2	978.3	350.5	185.0	169.0	174.5	186.5	195.0	199.4	201.4	200.4
77.5°	1093.9	776.3	287.2	167.5	158.1	164.0	175.5	182.5	188.0	190.5	188.5
80°	833.7	577.9	228.4	150.1	144.6	151.1	161.0	168.5	173.5	174.5	173.0
82.5°	591.8	409.9	183.0	133.6	130.1	135.6	144.6	149.6	155.6	155.1	152.1
85°	387.9	278.2	143.6	116.2	114.7	118.2	125.1	128.1	134.1	134.1	130.6
87.5°	252.3	184.5	113.2	97.7	99.2	102.2	105.7	108.2	110.7	111.2	108.2
90°	161.0	126.1	90.2	83.3	84.8	87.3	87.3	86.8	90.7	91.7	89.3
92.5°	105.7	89.7	74.8	70.8	71.8	72.3	72.3	70.3	73.8	74.3	72.3
95°	74.3	67.3	61.8	60.8	60.8	60.8	59.8	57.3	60.3	60.3	59.3
97.5°	55.8	52.4	51.9	51.9	51.9	51.4	49.9	48.9	49.9	49.9	49.4
100°	41.9	41.4	42.9	43.9	44.4	43.9	42.9	41.4	41.4	39.4	39.9
102.5°	31.9	32.9	35.9	37.4	37.4	37.4	36.9	34.9	33.9	31.9	31.4
105°	24.9	25.9	29.4	31.4	31.9	32.4	31.4	29.4	27.4	25.4	24.9
107.5°	19.4	20.9	23.9	26.4	27.4	27.4	26.9	24.9	22.4	19.9	19.9
110°	16.0	17.0	19.9	22.4	23.4	23.4	22.9	20.4	17.9	16.0	16.0



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CATALOG NUMBER: LXF.LXT-PA1-40-730-U-T3-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	13.0	14.0	17.0	18.9	19.9	20.4	19.4	17.5	15.0	13.0	13.0
115°	11.0	12.0	14.5	16.0	17.0	17.0	16.5	14.5	12.5	11.0	11.0
117.5°	9.5	10.5	12.5	14.0	14.5	15.0	14.0	12.5	10.5	9.5	9.5
120°	8.5	9.0	11.0	12.0	12.5	12.5	12.0	10.5	9.0	8.5	8.5
122.5°	7.5	8.5	9.5	10.5	11.0	11.0	10.5	9.0	8.0	7.5	8.0
125°	7.0	7.5	8.5	9.5	9.5	9.5	9.0	8.0	7.0	7.0	7.0
127.5°	6.5	7.0	7.5	8.0	8.5	8.5	8.0	7.0	6.5	6.5	6.5
130°	6.0	6.5	7.0	7.0	7.5	7.5	7.0	6.0	6.0	6.0	6.0
132.5°	5.5	6.0	6.0	6.5	6.5	6.5	6.0	5.5	5.5	5.5	5.5
135°	5.0	5.0	5.5	5.5	5.5	5.5	5.0	5.0	5.0	5.0	5.0
137.5°	4.5	4.5	5.0	4.5	5.0	4.5	4.5	4.0	4.5	4.5	4.5
140°	4.0	4.0	4.0	4.0	4.0	4.0	3.5	3.5	4.0	4.0	4.0
142.5°	3.5	3.5	3.5	3.0	3.0	3.0	3.0	3.0	3.5	3.5	3.5
145°	3.0	3.0	3.0	2.5	2.5	2.0	2.5	2.5	3.0	3.0	3.0
147.5°	2.5	2.5	2.5	2.5	2.0	1.5	1.5	2.0	2.5	2.5	2.5
150°	2.0	2.5	2.5	2.0	1.5	1.0	1.0	1.5	2.0	2.0	2.0
152.5°	2.0	2.0	2.0	1.5	1.0	0.5	0.5	1.0	1.5	1.5	1.5
155°	1.5	1.5	1.5	1.5	1.0	0.5	0.0	1.0	1.0	1.0	1.0
157.5°	1.5	1.5	1.5	1.0	0.5	0.0	0.0	0.5	1.0	0.5	0.5
160°	1.0	1.0	1.0	1.0	0.5	0.5	0.0	0.5	0.5	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)