

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: P415038

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

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415038
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-5)
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-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4109 lumens
Efficiency: N/A
Efficacy: 102.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B1 - U3 - G2

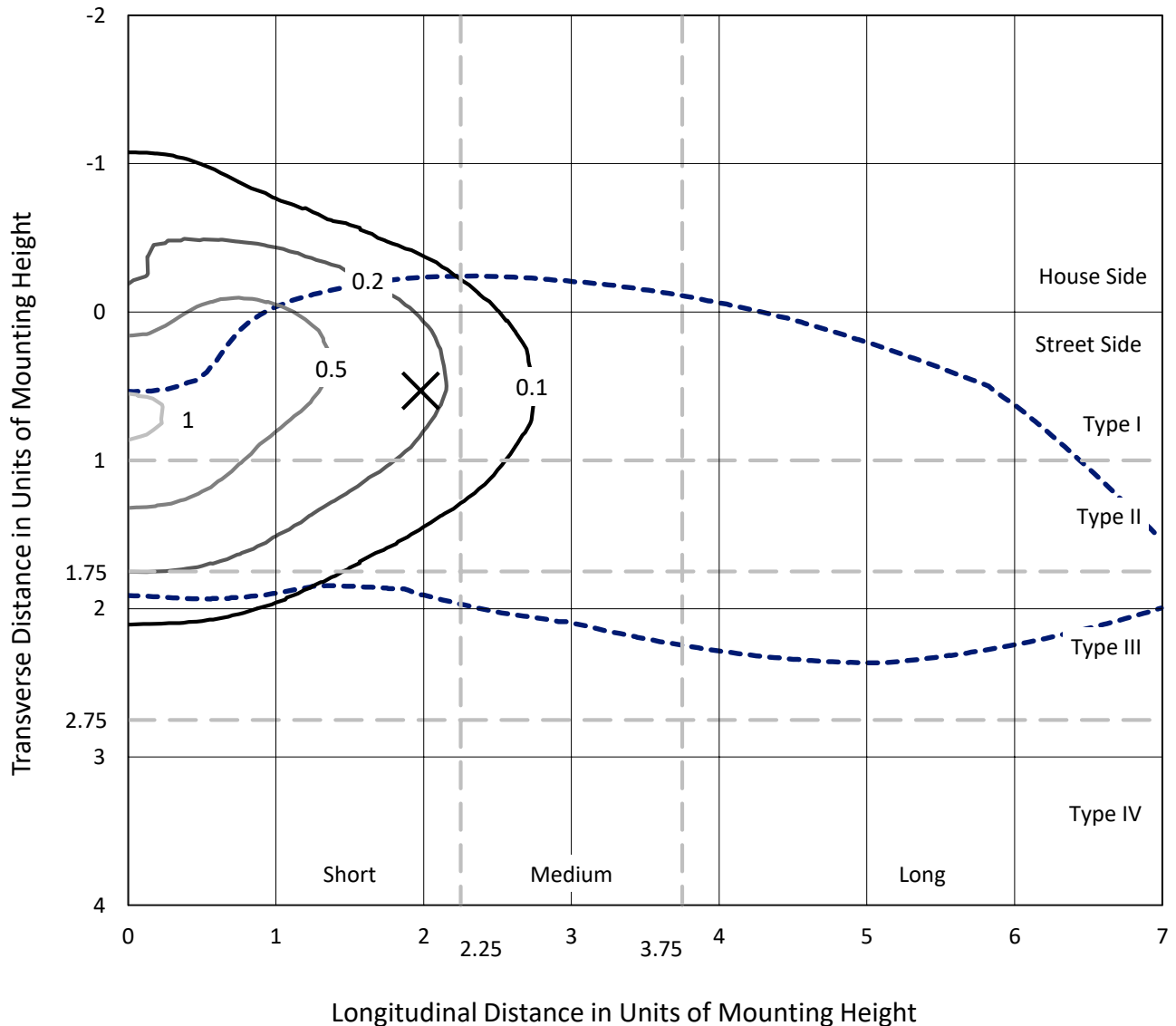
Input Watts (W): 40
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

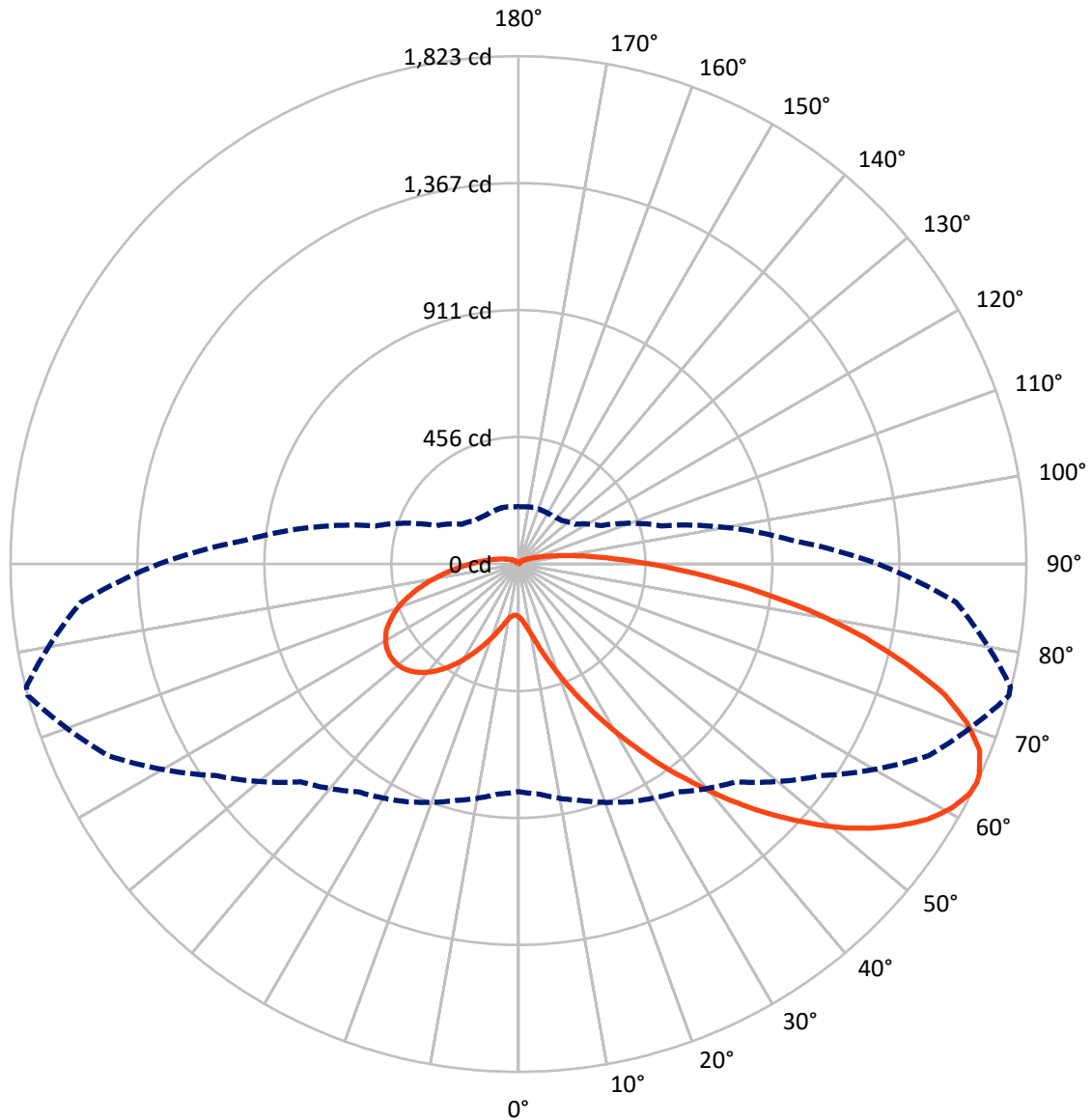


Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical



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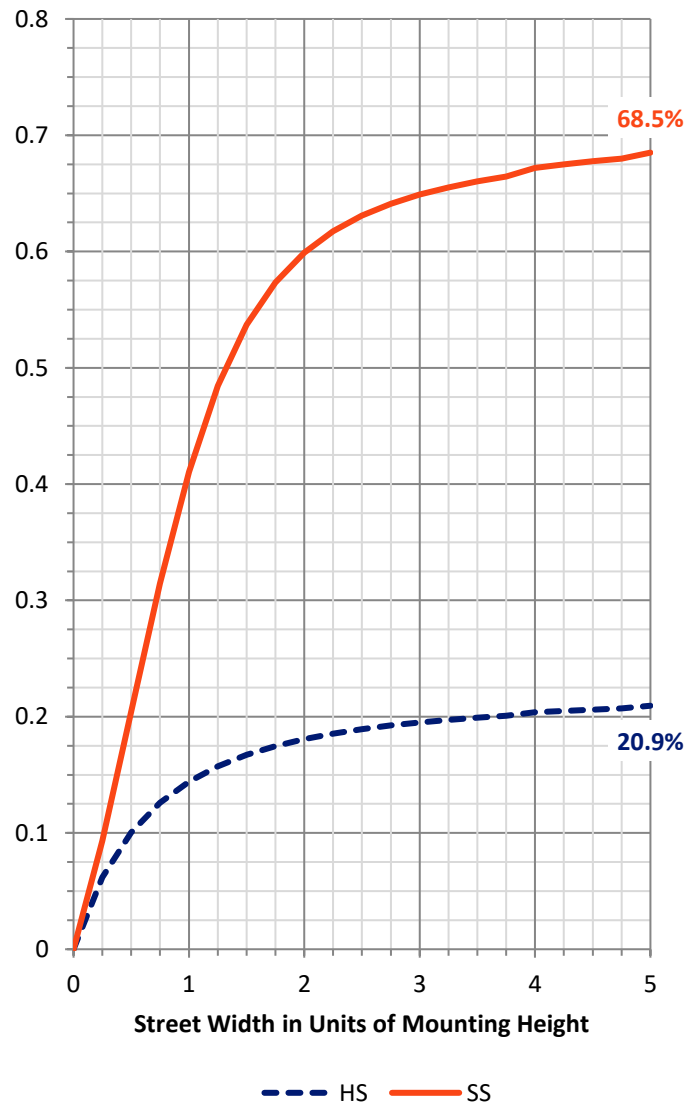
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	906.3	119.4	1025.6
	% Fixture	22.1	2.9	25.0
Street Side	Lumens	2901.8	181.6	3083.4
	% Fixture	70.6	4.4	75.0
Total	Lumens	3808.1	300.9	4109.0
	% Fixture	92.7	7.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.9	0.5
10°-20°	82.9	2.0
20°-30°	209.8	5.1
30°-40°	410.9	10.0
40°-50°	639.2	15.6
50°-60°	783.9	19.1
60°-70°	762.1	18.5
70°-80°	574.7	14.0
80°-90°	324.5	7.9
90°-100°	153.1	3.7
100°-110°	73.9	1.8
110°-120°	38.8	0.9
120°-130°	20.9	0.5
130°-140°	10.2	0.2
140°-150°	3.5	0.1
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3808.1	92.7
0°-180°	4109.0	100.0



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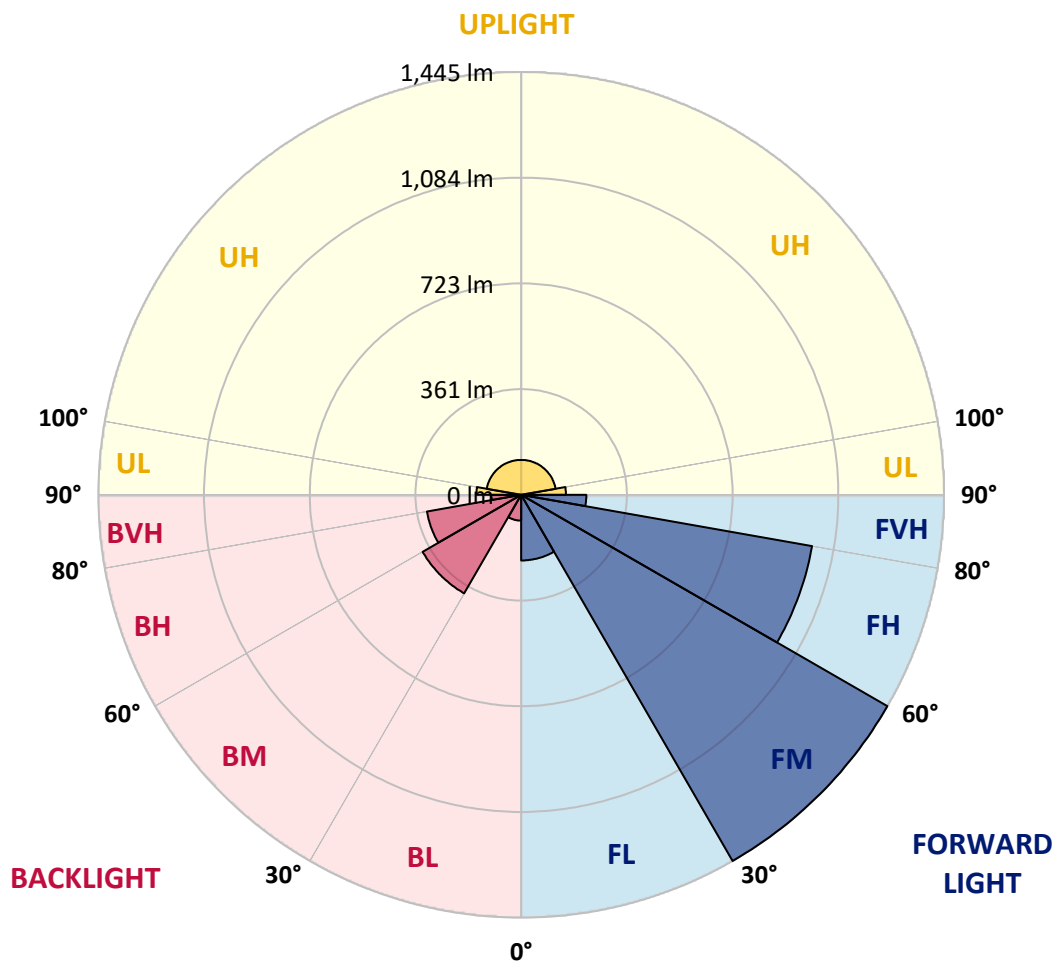
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	224.5	5.5			
FM	(30°-60°)	1445.1	35.2			
FH	(60°-80°)	1009.6	24.6			G1/1800
FVH	(80°-90°)	222.6	5.4			G2/225
BL	(0°-30°)	88.2	2.1	B0/110		
BM	(30°-60°)	388.9	9.5	B1/1000		
BH	(60°-80°)	327.2	8.0	B1/500		G1/500
BVH	(80°-90°)	101.9	2.5			G2/225
UL	(90°-100°)	153.1	3.7		U3/500	
UH	(100°-180°)	119.4	2.9		U3/500	

BUG Rating: B1-U3-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	189.5	189.5	189.5	189.5	189.5	189.5	189.5	189.5	189.5	189.5	189.5
2.5°	220.9	218.9	217.9	217.4	213.9	210.4	206.4	202.4	197.9	196.9	192.9
5°	255.3	252.8	251.8	248.8	243.8	237.8	229.3	221.4	211.4	211.9	202.9
7.5°	294.6	292.7	289.7	285.2	277.7	269.7	257.3	245.3	231.8	230.3	217.4
10°	339.5	338.0	335.0	328.0	318.6	305.1	292.7	274.7	255.8	254.8	235.8
12.5°	393.4	391.4	382.9	375.9	363.4	351.0	332.0	310.6	290.2	287.7	264.2
15°	454.2	451.2	445.2	434.2	420.8	400.3	380.4	359.0	332.0	327.5	300.1
17.5°	516.5	516.5	509.0	496.1	477.6	459.7	437.7	410.8	376.9	376.4	340.0
20°	594.8	593.8	582.3	563.4	544.9	526.0	499.6	469.1	431.2	427.8	383.4
22.5°	679.5	678.5	664.6	644.1	620.2	593.3	563.9	532.0	490.6	486.1	434.2
25°	771.3	770.8	756.3	724.9	694.5	669.1	638.6	603.3	555.4	554.4	492.1
27.5°	882.9	877.5	855.0	816.6	778.2	745.3	709.9	678.0	630.2	622.7	553.4
30°	990.6	987.6	957.2	915.8	863.0	819.6	783.7	759.3	709.9	703.0	625.2
32.5°	1101.8	1099.8	1062.9	1015.1	949.7	895.9	868.0	841.6	794.2	791.2	696.0
35°	1224.9	1217.0	1174.6	1108.8	1033.0	972.7	947.8	935.8	888.9	878.0	773.8
37.5°	1325.7	1319.7	1281.3	1201.0	1111.8	1047.0	1028.0	1020.0	979.7	975.2	858.0
40°	1422.9	1418.4	1371.5	1284.8	1183.1	1118.3	1099.3	1112.8	1080.4	1073.4	942.8
42.5°	1493.2	1487.2	1443.8	1351.6	1244.9	1176.6	1176.1	1207.0	1183.6	1176.1	1030.5
45°	1535.0	1529.1	1493.2	1404.4	1293.2	1227.4	1238.9	1293.2	1286.3	1277.3	1110.8
47.5°	1539.0	1535.5	1509.6	1427.4	1322.7	1267.3	1300.2	1378.0	1385.5	1377.0	1196.5
50°	1502.6	1506.1	1489.7	1424.4	1333.1	1293.2	1350.1	1458.3	1485.7	1475.7	1281.8
52.5°	1433.8	1429.9	1436.8	1390.5	1322.2	1302.2	1384.0	1525.6	1575.9	1566.0	1360.6
55°	1319.2	1322.2	1346.6	1329.1	1287.8	1291.8	1404.4	1578.9	1657.7	1649.7	1431.8
57.5°	1198.5	1191.5	1235.4	1238.4	1226.9	1263.8	1406.9	1619.3	1730.0	1721.5	1493.2
60°	1040.5	1057.4	1096.8	1130.7	1150.7	1217.5	1390.5	1640.2	1782.8	1780.3	1542.5
62.5°	903.9	907.4	960.7	1012.1	1059.9	1152.2	1354.1	1639.7	1817.2	1814.2	1571.9
64°	817.1	828.6	879.0	941.3	998.6	1105.3	1324.2	1625.8	1822.7	1820.2	1576.9
65°	769.8	768.3	828.6	891.4	953.2	1069.9	1293.7	1610.8	1817.7	1817.7	1574.9
67.5°	639.6	644.6	697.5	769.8	846.0	976.2	1216.0	1557.5	1784.8	1788.3	1546.0
70°	527.5	534.9	592.8	657.1	741.3	881.9	1119.8	1461.3	1707.5	1712.5	1483.7
72.5°	435.2	443.7	486.1	550.9	644.1	782.7	1011.1	1340.6	1598.4	1600.4	1379.5
75°	354.0	363.4	406.3	462.7	543.4	676.0	892.4	1209.5	1439.3	1449.3	1244.9
77.5°	288.2	298.1	337.5	388.4	465.2	578.3	774.8	1057.9	1270.3	1276.3	1090.8
80°	232.8	243.3	278.2	326.1	392.9	492.6	664.6	902.9	1087.8	1087.8	932.3
82.5°	189.0	197.9	229.3	270.7	331.5	415.8	558.4	750.3	899.4	899.9	770.3
85°	152.6	158.0	189.0	225.3	275.7	348.5	461.7	610.7	725.4	714.9	620.7
87.5°	122.6	127.6	153.6	189.0	228.8	290.7	378.9	497.1	570.3	573.8	495.6
90°	98.7	101.7	125.6	155.5	192.4	240.3	308.1	395.4	448.7	444.2	388.4
92.5°	80.3	83.8	104.2	131.1	162.0	201.9	253.8	313.1	347.5	348.5	303.6
95°	65.8	67.8	86.7	110.7	138.6	169.0	206.9	249.3	272.7	269.7	236.3
97.5°	54.8	55.8	73.3	94.7	117.7	142.6	172.5	198.4	211.4	209.4	185.0
100°	46.4	47.4	62.3	82.3	101.7	121.6	142.6	160.0	164.5	162.0	145.6
102.5°	40.4	40.9	53.3	71.3	87.7	104.2	118.7	129.6	129.1	129.1	115.2
105°	35.4	35.9	46.4	62.3	77.3	90.2	100.2	105.7	103.7	102.7	92.2
107.5°	31.9	32.4	40.9	54.8	68.3	78.3	85.8	87.2	83.3	82.3	74.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
110°	28.9	28.9	35.9	48.4	60.3	68.3	73.3	73.3	67.3	66.8	61.8
112.5°	26.4	26.9	32.4	42.9	53.3	60.3	63.3	60.8	55.3	54.8	52.3
115°	24.4	24.9	28.9	38.4	47.4	53.3	54.8	51.4	45.9	45.4	43.4
117.5°	22.9	23.4	26.4	33.9	42.4	46.9	47.4	43.9	38.4	37.9	37.4
120°	21.9	21.9	24.4	30.4	37.4	41.4	40.9	37.4	32.9	32.4	32.4
122.5°	20.9	20.9	22.4	26.9	32.9	36.4	35.9	31.9	27.9	27.9	27.9
125°	19.9	19.9	20.9	24.4	29.4	31.9	30.9	27.4	23.9	23.9	24.9
127.5°	18.9	18.9	19.4	21.4	25.9	27.4	26.4	22.9	20.9	20.9	21.4
130°	17.9	17.9	17.9	19.4	22.4	23.4	22.4	19.4	17.9	17.9	18.9
132.5°	17.0	17.0	17.0	17.0	18.9	19.9	18.4	16.0	15.5	16.0	16.5
135°	16.0	16.0	15.5	15.0	16.0	16.5	15.0	13.5	13.5	13.5	14.5
137.5°	15.0	14.5	14.0	13.5	13.0	13.0	12.0	10.5	11.5	11.5	12.5
140°	13.5	13.0	12.5	11.5	10.5	10.0	9.0	8.5	9.5	9.5	10.0
142.5°	12.0	11.5	11.0	9.5	8.0	7.0	6.0	6.5	7.5	7.5	8.0
145°	10.0	10.0	9.0	7.5	6.0	5.0	4.0	4.5	5.5	5.5	6.0
147.5°	8.5	8.0	7.5	6.0	4.0	3.0	2.0	3.0	4.0	4.0	4.5
150°	6.5	6.0	5.5	4.0	2.5	1.0	1.0	2.0	2.5	2.5	3.0
152.5°	4.5	4.5	4.0	2.5	1.0	0.0	0.5	1.0	1.5	1.5	2.0
155°	3.0	2.5	2.0	1.5	0.5	0.0	0.0	0.5	1.0	1.0	1.0
157.5°	1.5	1.5	1.0	1.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
160°	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	189.5	189.5	189.5	189.5	189.5	189.5	189.5	189.5	189.5	189.5	189.5
2.5°	190.4	188.5	184.0	180.0	176.0	172.5	170.5	168.0	167.5	167.0	167.0
5°	197.4	192.9	184.0	175.5	167.5	161.0	156.0	151.1	148.6	147.6	147.1
7.5°	209.4	202.4	188.0	175.0	163.0	153.1	145.1	139.1	135.6	133.6	133.1
10°	225.8	215.9	195.9	178.0	162.0	149.1	139.1	132.1	127.6	125.6	125.1
12.5°	251.8	235.8	210.9	185.5	164.5	148.6	137.1	129.6	127.6	125.6	125.6
15°	281.2	265.2	230.8	199.4	172.5	151.6	141.6	136.6	133.6	132.1	131.6
17.5°	319.1	294.6	253.3	214.4	182.5	162.5	149.6	144.1	141.1	139.6	139.1
20°	358.0	329.0	278.2	230.8	195.9	175.5	160.0	151.6	148.6	147.1	146.6
22.5°	404.3	369.4	304.1	248.3	211.4	187.5	170.0	160.0	156.5	155.1	155.5
25°	451.7	414.3	332.0	266.7	225.8	197.4	179.5	168.0	165.5	163.5	163.5
27.5°	509.5	459.7	360.5	287.7	238.3	206.4	188.0	176.5	172.0	172.0	171.5
30°	570.3	508.0	391.4	305.6	249.3	214.4	194.4	184.0	179.5	179.0	179.0
32.5°	629.7	559.9	421.8	323.6	257.8	219.9	200.4	190.4	185.0	184.5	185.0
35°	699.0	612.7	450.2	338.0	265.2	224.3	204.9	195.9	189.9	189.5	189.5
37.5°	764.8	667.1	477.6	349.5	270.2	227.3	208.4	200.4	193.9	193.4	192.9
40°	833.6	718.4	502.5	359.0	272.7	229.3	210.4	203.4	197.4	195.4	195.4
42.5°	903.4	770.3	523.5	364.4	274.2	229.8	211.9	205.4	199.9	196.4	196.4
45°	968.7	814.6	540.9	367.4	274.2	230.3	212.9	206.9	201.9	197.4	196.9
47.5°	1040.5	859.5	554.4	367.9	272.7	229.3	213.4	208.4	202.9	197.9	197.4
50°	1103.3	901.9	562.9	366.4	270.7	228.8	213.9	208.9	204.4	198.4	198.4
52.5°	1158.6	935.8	566.9	362.4	268.2	227.8	213.9	209.9	205.9	199.4	198.9
55°	1207.5	962.2	566.4	356.5	264.2	226.3	213.4	209.9	206.9	199.9	199.9
57.5°	1249.4	980.7	561.9	349.5	260.2	225.3	213.4	210.4	207.9	201.4	201.4
60°	1277.8	991.1	552.9	341.0	256.3	223.4	212.9	210.9	209.4	202.9	203.4
62.5°	1291.3	989.6	538.9	332.0	251.8	221.4	211.9	210.4	209.9	204.9	204.9
64°	1290.3	982.6	529.5	325.6	248.8	220.4	211.4	209.9	210.4	205.9	205.9
65°	1283.8	972.7	519.5	320.6	246.3	219.4	210.4	209.4	210.4	205.9	205.9
67.5°	1252.4	941.8	494.1	308.1	239.8	214.9	207.4	206.9	208.4	205.4	204.9
70°	1190.0	892.9	466.6	292.2	231.8	209.9	202.9	202.4	204.4	201.9	200.9
72.5°	1105.3	825.1	433.2	275.7	222.4	202.9	196.9	196.4	197.4	195.9	194.4
75°	998.6	745.3	395.9	257.3	211.9	193.9	188.5	187.5	189.0	187.0	186.0
77.5°	879.9	657.1	356.5	237.8	198.4	184.0	178.5	177.0	177.0	174.5	172.0
80°	749.3	566.9	317.1	217.9	184.5	171.5	167.0	165.0	163.5	159.5	157.0
82.5°	625.7	482.1	276.7	197.4	169.5	158.0	153.6	151.1	147.6	142.6	139.1
85°	509.0	401.3	239.8	175.5	154.6	143.6	140.1	135.6	131.1	125.6	121.1
87.5°	408.8	328.5	206.9	156.0	137.6	129.1	125.1	119.2	114.7	108.7	104.7
90°	324.6	269.2	177.0	137.1	122.6	115.2	111.7	105.7	99.2	92.7	89.2
92.5°	261.7	219.4	152.6	121.1	109.7	103.2	98.7	92.7	85.3	78.8	76.3
95°	207.9	177.5	130.1	107.2	97.2	91.2	86.7	81.3	73.3	65.8	63.8
97.5°	164.5	146.1	111.2	94.2	86.2	81.3	76.3	71.3	63.3	55.8	54.8
100°	132.1	118.7	95.2	83.3	76.3	71.8	67.8	62.3	54.8	46.9	46.9
102.5°	106.7	98.2	81.8	73.3	67.8	63.8	59.8	54.8	47.4	40.4	39.9
105°	87.2	81.3	70.3	64.8	60.3	57.3	53.3	47.9	40.9	34.4	33.9
107.5°	72.8	67.3	60.8	57.3	53.8	50.9	47.9	42.4	35.4	29.9	29.9



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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	59.8	57.8	52.8	50.4	48.4	45.4	42.4	36.9	30.4	26.4	26.4
112.5°	50.9	48.9	46.4	44.9	42.9	40.9	37.4	32.4	26.4	23.4	23.4
115°	42.9	41.9	40.4	39.4	38.4	36.4	32.9	27.9	22.4	20.4	20.9
117.5°	37.4	36.9	35.9	35.4	34.4	31.9	28.9	24.4	19.4	18.4	18.4
120°	32.4	32.4	31.4	31.4	30.4	28.4	24.9	20.9	17.0	16.5	16.5
122.5°	28.4	28.4	27.9	27.9	26.9	24.9	21.9	17.9	14.5	14.5	15.0
125°	24.9	24.9	24.4	24.4	23.9	21.9	18.9	15.5	13.0	13.0	13.0
127.5°	21.9	21.9	21.9	21.4	20.4	18.9	16.0	13.0	11.5	11.5	11.5
130°	19.4	19.4	18.9	18.9	17.9	16.0	13.5	11.0	9.5	10.5	10.5
132.5°	17.0	17.0	17.0	16.0	15.0	13.5	11.0	9.0	8.5	9.0	9.0
135°	14.5	15.0	14.5	14.0	13.0	11.0	9.0	7.5	7.5	8.0	8.0
137.5°	12.5	12.5	12.5	11.5	10.5	9.0	7.0	6.0	6.5	7.0	7.0
140°	10.5	10.5	10.0	9.5	8.5	7.0	5.5	4.5	5.5	6.0	6.0
142.5°	8.5	8.5	8.0	7.5	6.0	5.0	3.5	3.5	4.5	5.0	5.0
145°	6.5	6.5	6.0	5.5	4.5	3.0	2.5	3.0	4.0	4.0	4.0
147.5°	4.5	4.5	4.5	3.5	2.5	1.5	1.0	2.0	3.0	3.0	3.5
150°	3.0	3.0	3.0	2.5	1.5	0.5	0.5	1.5	2.0	2.5	2.5
152.5°	2.0	2.0	2.0	1.5	1.0	0.0	0.0	1.0	1.5	1.5	1.5
155°	1.0	1.0	1.0	1.0	0.5	0.0	0.0	0.5	1.0	1.0	1.0
157.5°	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.5	1.0	0.5	0.5
160°	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5	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)