

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: P255275

Luminaire Tested: **LXF.LXT-AF24-40-D-U-T2U-TL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P255275
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-37)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-40-D-U-T2U-TL-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4078.6 lumens
Efficiency: N/A
Efficacy: 102.0 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: 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

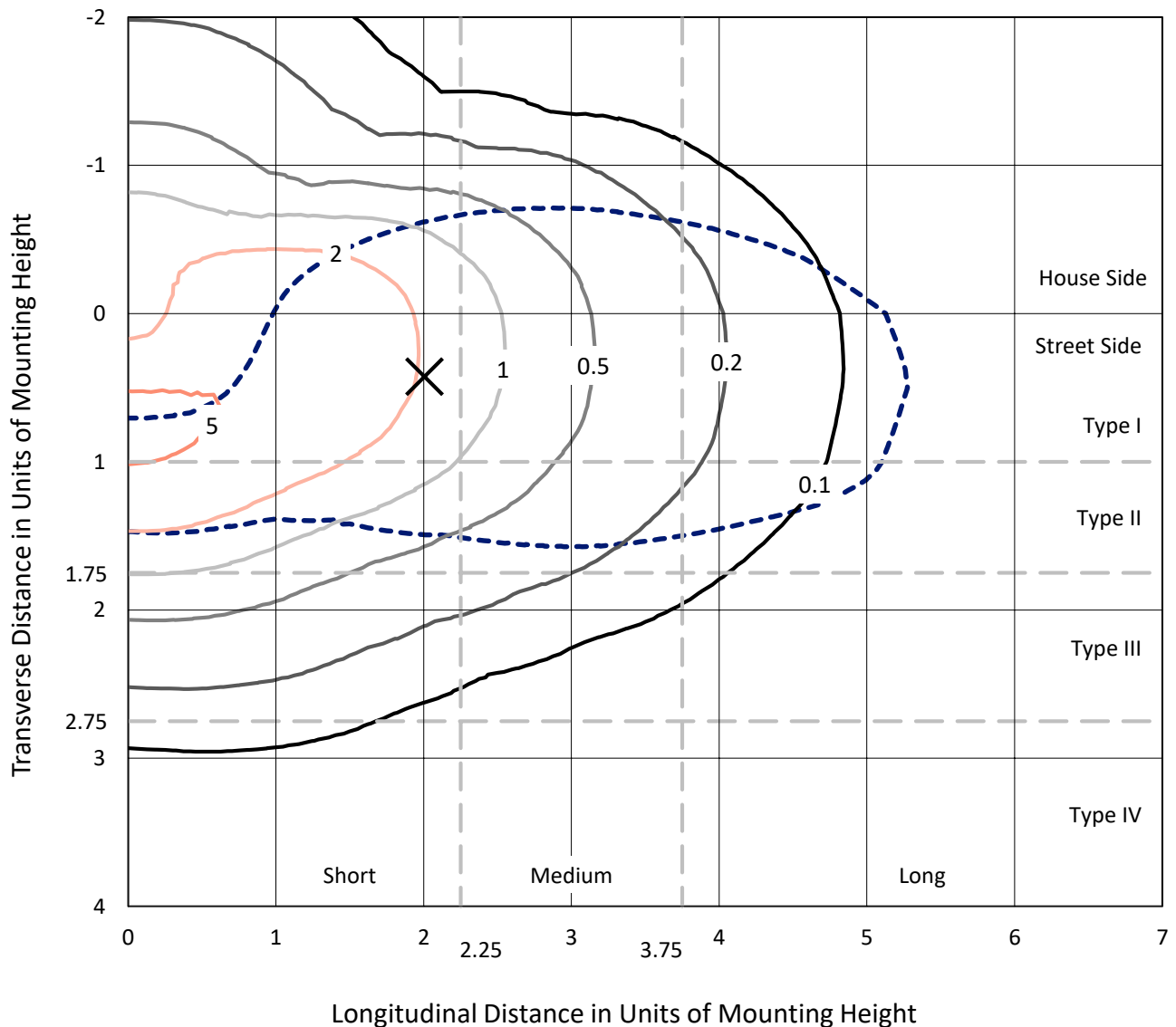


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Iso-Footcandle Lines of Horizontal Illumination

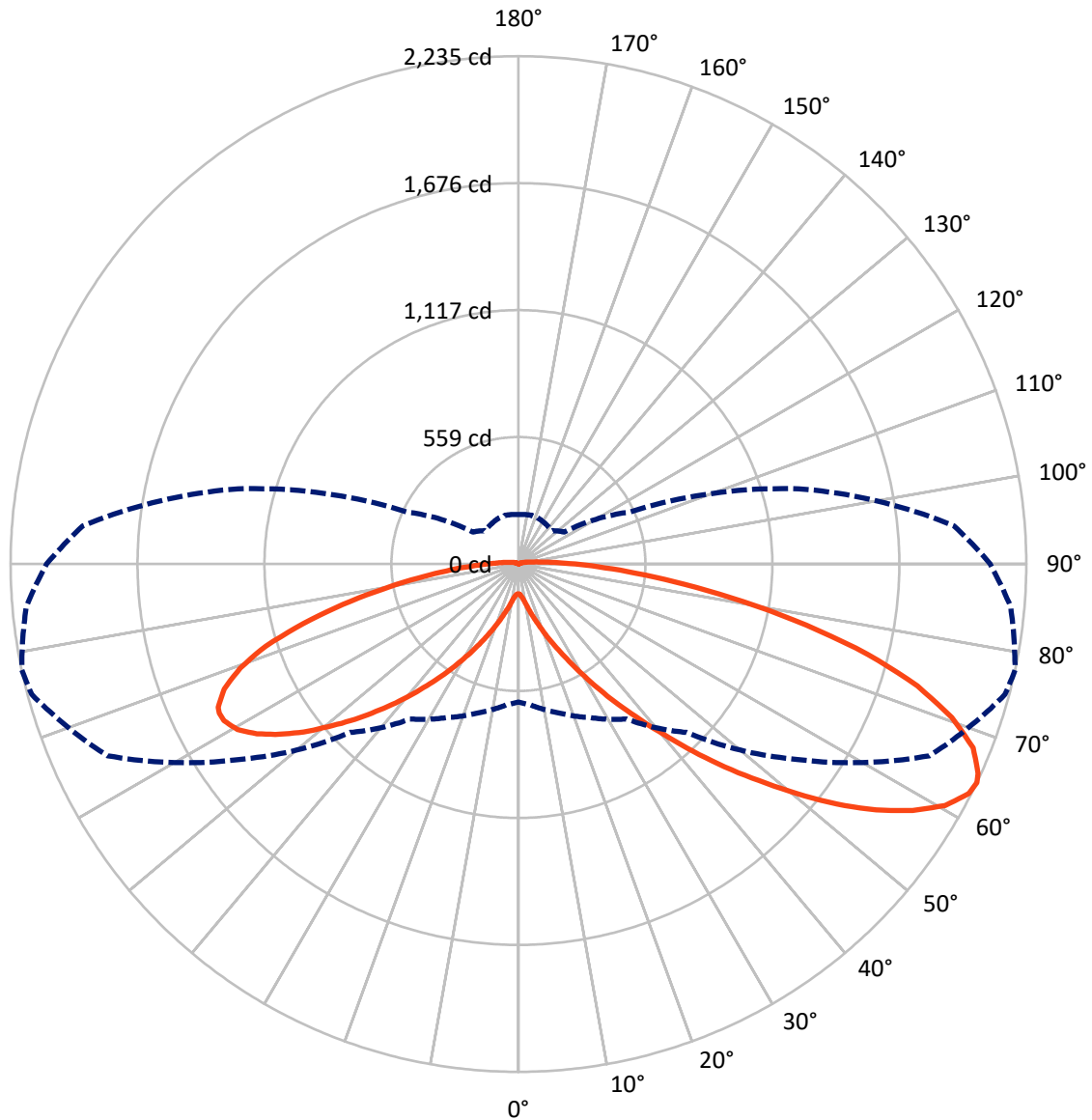
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.1 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

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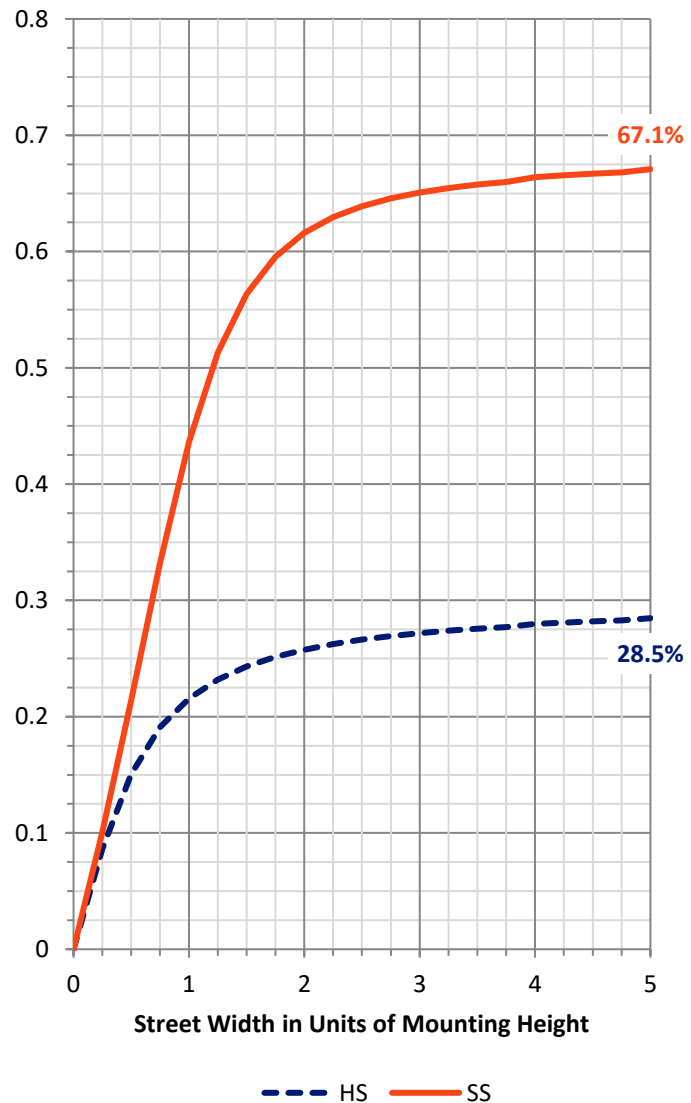
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1197.6	55.1	1252.7
	% Fixture	29.4	1.4	30.7
Street Side	Lumens	2773.7	52.3	2825.9
	% Fixture	68.0	1.3	69.3
Total	Lumens	3971.2	107.4	4078.6
	% Fixture	97.4	2.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.3	0.4
10°-20°	66.1	1.6
20°-30°	184.3	4.5
30°-40°	400.5	9.8
40°-50°	691.6	17.0
50°-60°	915.7	22.5
60°-70°	893.3	21.9
70°-80°	580.6	14.2
80°-90°	224.7	5.5
90°-100°	64.9	1.6
100°-110°	24.7	0.6
110°-120°	10.7	0.3
120°-130°	4.7	0.1
130°-140°	1.9	0.0
140°-150°	0.5	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3971.2	97.4
0°-180°	4078.6	100.0

Coefficient of Utilization



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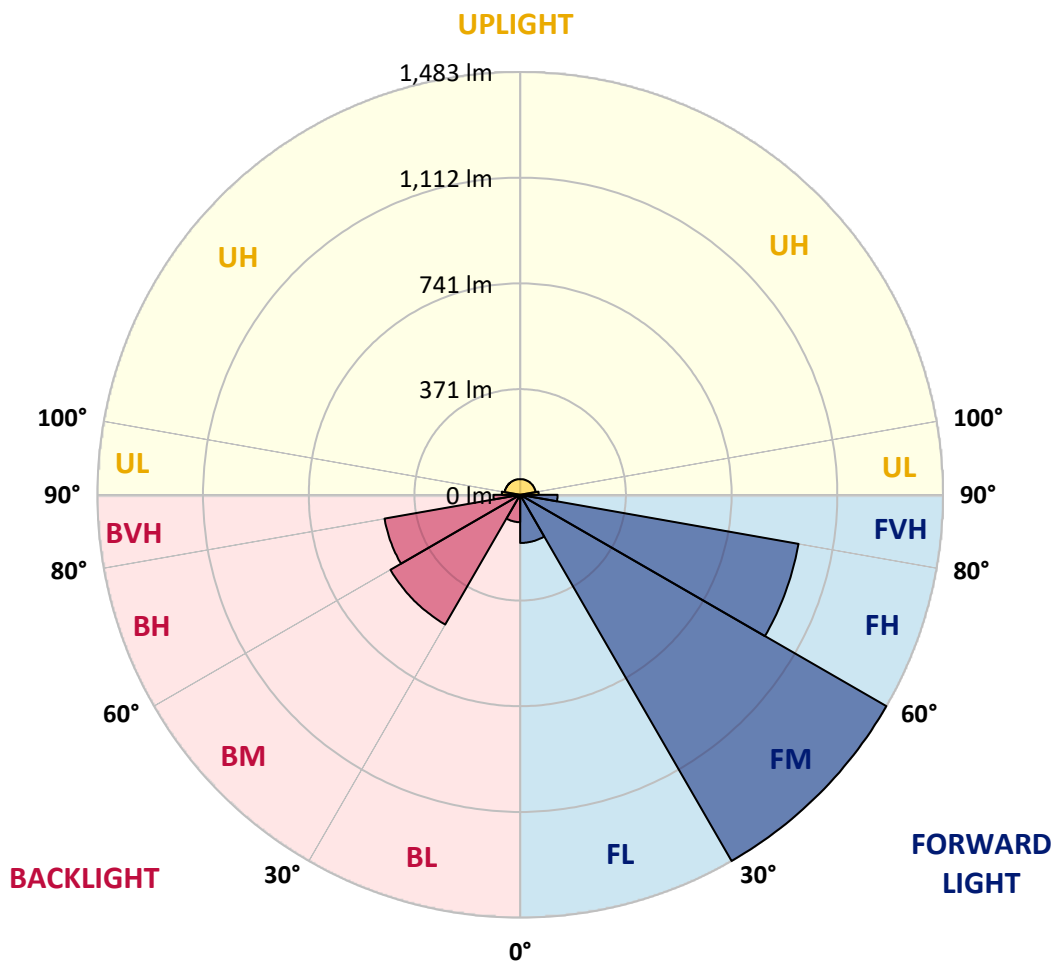
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	168.8	4.1			
FM	(30°-60°)	1482.7	36.4			
FH	(60°-80°)	991.1	24.3			G1/1800
FVH	(80°-90°)	131.0	3.2			G2/225
BL	(0°-30°)	95.9	2.4	B0/110		
BM	(30°-60°)	525.1	12.9	B1/1000		
BH	(60°-80°)	482.9	11.8	B1/500		G1/500
BVH	(80°-90°)	93.7	2.3			G1/100
UL	(90°-100°)	64.9	1.6		U3/500	
UH	(100°-180°)	55.1	1.4		U3/500	

BUG Rating: B1-U3-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	131.4	131.4	131.4	131.4	131.4	131.4	131.4	131.4	131.4	131.4	131.4
2.5°	142.1	141.6	141.6	142.1	140.6	140.2	138.8	136.8	135.4	134.8	133.4
5°	157.7	156.7	155.7	156.1	154.7	152.3	149.9	147.0	144.5	143.5	141.2
7.5°	176.0	177.0	175.2	174.2	172.2	169.8	165.4	162.0	158.7	157.2	154.7
10°	205.2	205.6	202.2	202.7	196.8	194.1	189.7	183.9	180.0	177.5	174.2
12.5°	245.0	244.4	240.6	239.2	231.8	226.5	219.7	212.9	209.0	206.2	200.3
15°	293.5	292.5	290.1	284.2	273.0	266.3	258.1	247.9	242.5	238.6	232.2
17.5°	350.7	351.2	346.4	338.6	323.5	313.8	301.7	288.1	280.4	275.0	268.2
20°	422.0	422.5	413.8	402.6	383.2	369.7	349.2	336.6	324.5	321.6	311.0
22.5°	506.9	506.4	493.3	478.8	452.6	432.1	409.8	389.5	375.5	371.6	359.9
25°	603.4	602.4	586.4	570.9	531.6	504.9	475.9	450.5	436.5	428.8	415.7
27.5°	716.8	715.0	693.6	671.3	621.3	582.1	546.7	523.0	505.5	495.3	480.6
30°	839.1	837.2	811.5	775.0	721.2	676.1	629.6	601.9	582.1	574.2	554.4
32.5°	971.1	967.2	937.1	892.9	829.4	772.1	725.2	693.6	669.3	661.6	635.9
35°	1104.9	1099.5	1067.6	1016.1	942.9	880.3	832.3	799.3	769.3	759.2	728.0
37.5°	1233.4	1226.2	1201.0	1136.0	1061.8	1003.5	949.7	908.5	875.5	866.3	825.6
40°	1335.3	1331.0	1307.8	1245.1	1174.3	1115.6	1074.3	1041.4	999.7	985.6	942.0
42.5°	1412.9	1408.6	1390.7	1338.8	1275.7	1235.4	1201.0	1177.2	1141.3	1126.3	1064.6
45°	1453.1	1446.9	1439.2	1401.8	1358.6	1338.8	1334.4	1325.7	1290.7	1273.2	1201.5
47.5°	1444.0	1441.0	1448.3	1425.5	1408.6	1426.1	1463.4	1480.8	1440.6	1424.5	1349.0
50°	1385.7	1389.7	1408.1	1406.1	1422.7	1481.8	1575.8	1633.7	1608.4	1587.1	1504.6
52.5°	1288.2	1293.6	1326.6	1344.6	1392.1	1504.1	1663.3	1777.6	1780.1	1755.4	1662.3
55°	1160.3	1171.8	1212.1	1247.0	1323.6	1478.4	1714.6	1898.9	1935.3	1910.1	1811.2
57.5°	1008.4	1025.4	1069.5	1127.2	1216.5	1408.1	1724.7	1989.6	2066.7	2045.9	1951.4
60°	850.2	862.4	917.2	982.2	1071.5	1300.4	1682.6	2037.1	2170.1	2157.0	2079.9
62.5°	695.1	708.6	765.0	836.2	923.6	1147.7	1582.2	2033.8	2218.1	2224.4	2156.0
64°	607.3	622.3	677.6	745.0	832.3	1048.2	1498.8	1995.9	2217.1	2234.6	2174.5
65°	552.5	567.5	621.8	688.8	774.1	979.3	1436.2	1959.6	2207.9	2222.5	2175.0
67.5°	431.7	443.8	495.3	564.1	632.5	807.1	1237.8	1816.0	2133.2	2157.5	2129.8
70°	331.8	343.4	390.5	454.0	511.3	656.2	1022.4	1606.0	1989.2	2023.2	2010.1
72.5°	255.1	264.9	306.6	361.8	408.4	519.0	816.8	1357.6	1780.6	1835.9	1838.3
75°	196.8	204.7	239.2	287.2	324.0	403.6	636.3	1090.4	1514.8	1588.0	1605.0
77.5°	153.7	158.7	186.3	225.5	255.6	308.4	478.8	839.1	1222.3	1295.0	1325.1
80°	120.7	124.7	146.0	177.0	200.8	231.8	350.7	620.8	937.1	1003.1	1031.7
82.5°	93.6	97.0	113.9	139.2	157.7	178.0	250.7	442.4	682.0	736.3	759.6
85°	71.3	73.8	88.3	107.2	122.3	136.8	175.2	302.2	474.8	516.0	532.1
87.5°	52.9	54.8	66.9	82.5	93.6	104.8	127.7	199.8	319.1	348.7	360.3
90°	38.4	39.8	49.5	62.6	72.2	80.6	92.7	132.4	205.2	225.1	233.9
92.5°	27.2	28.6	36.4	47.1	56.3	63.1	71.3	92.1	131.4	142.1	148.9
95°	19.8	20.9	26.7	35.4	43.7	49.9	56.7	66.9	86.9	92.7	95.0
97.5°	15.1	15.6	20.3	27.2	34.4	39.8	44.6	51.0	61.0	64.0	65.4
100°	11.7	12.1	16.0	21.9	27.7	32.4	35.9	39.8	45.2	47.1	48.0
102.5°	9.8	10.2	13.1	17.9	22.8	26.7	29.6	32.0	34.4	35.4	36.8
105°	8.7	8.7	11.7	15.6	19.4	22.8	25.2	26.2	26.7	27.2	27.7
107.5°	7.3	7.7	10.2	13.5	16.9	19.8	21.3	21.3	20.3	20.3	20.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
110°	6.8	6.8	8.7	11.7	15.1	16.9	17.9	16.9	15.1	15.1	15.6
112.5°	5.8	6.3	7.7	10.2	13.1	15.1	15.1	13.5	11.2	11.2	11.7
115°	5.4	5.4	6.8	9.2	11.2	12.6	12.6	11.2	8.2	8.2	8.7
117.5°	4.8	4.8	5.8	7.7	9.8	11.2	10.7	8.7	6.3	6.3	7.3
120°	4.8	4.8	5.4	6.8	8.2	9.2	8.7	6.8	4.8	4.8	5.8
122.5°	4.4	4.4	4.8	5.8	7.3	7.7	7.3	5.4	4.0	4.4	4.8
125°	4.4	4.4	4.4	5.4	6.3	6.8	6.3	4.4	3.4	3.4	4.0
127.5°	4.0	4.0	4.0	4.4	5.4	5.8	4.8	3.4	2.9	2.9	3.4
130°	4.0	4.0	3.4	4.0	4.8	4.8	4.0	2.4	1.9	2.4	2.9
132.5°	3.4	3.4	3.4	3.4	4.0	4.0	3.4	1.9	1.9	1.9	2.4
135°	3.4	3.4	2.9	2.9	3.4	3.4	2.4	1.4	1.4	1.4	1.9
137.5°	2.9	2.9	2.9	2.4	2.4	2.4	1.9	1.0	1.0	1.4	1.4
140°	2.4	2.4	2.4	1.9	1.9	1.4	1.0	0.4	1.0	1.0	1.4
142.5°	1.9	1.9	1.9	1.4	1.4	1.0	0.4	0.4	0.4	1.0	1.0
145°	1.4	1.4	1.4	1.0	1.0	0.4	0.4	0.4	0.4	0.4	1.0
147.5°	1.0	1.0	1.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4	0.4
150°	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	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°	131.4	131.4	131.4	131.4	131.4	131.4	131.4	131.4	131.4	131.4	131.4
2.5°	132.9	132.4	131.0	130.0	129.0	128.1	128.1	127.1	126.6	126.0	126.0
5°	140.6	138.8	136.2	134.4	131.9	129.5	127.7	126.0	125.1	124.7	124.1
7.5°	152.3	149.9	145.6	142.1	137.7	134.4	131.4	128.5	127.7	126.6	126.6
10°	171.7	167.3	161.0	154.7	148.9	143.1	139.8	135.8	134.8	133.9	133.9
12.5°	197.4	193.1	182.9	174.2	164.9	157.2	151.9	148.4	147.5	146.0	146.5
15°	228.0	220.1	209.0	196.4	184.7	174.2	167.8	162.5	160.1	158.7	159.1
17.5°	262.4	253.7	237.6	221.1	206.2	194.5	183.9	176.0	172.2	170.8	170.8
20°	302.2	292.5	272.0	249.7	230.4	213.9	200.3	188.7	183.9	181.9	181.9
22.5°	349.2	337.1	308.9	280.4	256.1	231.8	213.9	199.8	194.1	192.1	192.1
25°	403.6	387.6	351.7	316.2	279.9	247.4	224.5	209.6	202.7	200.3	200.3
27.5°	460.3	445.2	398.7	353.6	303.6	259.9	232.8	216.4	208.5	207.1	206.6
30°	532.1	510.8	450.5	389.0	324.0	268.7	236.2	220.1	212.4	211.0	211.0
32.5°	607.3	582.1	509.2	425.9	339.6	272.6	236.6	221.7	214.9	213.4	212.9
35°	695.6	663.1	570.5	463.7	353.6	274.0	236.2	222.7	217.3	215.3	214.9
37.5°	791.6	750.4	634.9	498.7	360.9	271.6	234.8	222.2	218.3	215.9	215.3
40°	895.4	847.9	708.6	526.7	361.8	266.8	231.8	222.7	218.7	215.9	214.9
42.5°	1011.3	954.1	779.9	552.5	358.9	260.9	229.9	222.7	219.3	215.9	214.9
45°	1140.3	1070.5	854.6	572.3	351.2	254.1	228.0	222.7	219.7	215.3	214.9
47.5°	1278.2	1195.2	931.3	587.9	341.4	247.4	227.0	223.7	221.1	215.9	215.3
50°	1422.1	1326.6	1005.5	598.0	329.9	241.0	226.0	223.7	222.2	216.4	215.9
52.5°	1577.3	1465.8	1086.0	603.4	316.2	234.8	225.1	224.5	223.1	217.8	216.8
55°	1721.9	1599.7	1157.8	603.4	302.2	228.9	224.1	225.1	224.5	219.3	218.3
57.5°	1856.8	1722.9	1220.9	596.1	287.2	223.1	222.2	224.5	225.1	220.1	219.3
60°	1973.1	1830.5	1265.4	584.4	271.6	217.3	219.7	223.7	225.1	220.7	219.7
62.5°	2051.7	1905.3	1280.5	559.7	255.1	211.0	215.3	220.7	223.7	219.7	218.7
64°	2075.9	1924.2	1277.1	541.3	245.0	207.1	212.4	218.7	221.7	218.7	217.8
65°	2082.8	1927.2	1265.0	525.7	238.6	204.2	210.0	216.8	220.1	217.3	216.4
67.5°	2042.0	1876.6	1205.3	479.7	223.7	196.4	203.2	210.0	214.3	212.9	212.0
70°	1938.3	1769.9	1106.9	429.3	208.0	187.3	194.1	201.2	206.6	205.6	205.2
72.5°	1767.0	1601.6	982.7	370.1	192.6	177.0	181.9	190.1	195.5	195.0	194.1
75°	1540.4	1380.0	811.9	316.2	175.6	164.0	168.8	176.0	181.4	180.4	180.4
77.5°	1275.7	1121.9	651.8	261.4	160.1	149.9	154.3	160.1	164.9	163.5	163.1
80°	993.8	863.3	498.1	212.9	143.5	134.8	137.7	142.1	146.5	144.5	144.0
82.5°	730.5	631.5	367.2	170.8	127.1	117.9	120.3	124.1	126.6	124.7	124.1
85°	512.2	441.4	265.8	135.8	109.2	101.4	101.8	103.8	105.8	102.8	102.3
87.5°	345.4	295.9	184.3	107.7	92.1	85.3	84.9	85.9	87.3	84.3	82.9
90°	226.5	193.1	126.0	87.3	77.1	71.3	70.4	70.4	70.8	67.4	66.4
92.5°	143.5	125.1	91.7	71.3	64.5	59.2	57.7	57.3	56.7	53.3	52.9
95°	93.6	85.9	70.4	59.2	53.3	48.9	47.5	46.6	45.6	43.1	42.2
97.5°	66.0	62.1	55.8	48.9	44.6	40.8	39.4	37.8	36.8	34.0	33.5
100°	49.5	48.0	45.2	40.8	37.3	34.0	32.4	31.0	30.0	27.2	26.7
102.5°	38.4	38.4	36.8	34.0	31.0	28.1	27.2	25.6	24.2	22.3	21.9
105°	29.6	29.6	30.0	28.6	26.2	24.2	22.8	21.9	20.3	17.9	17.9
107.5°	22.3	23.3	24.2	23.8	22.3	20.3	19.4	18.5	16.5	15.1	15.1



REPORT NUMBER: P255275

CATALOG NUMBER: LXF.LXT-AF24-40-D-U-T2U-TL-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	16.9	17.5	19.4	19.8	18.9	17.5	16.5	15.1	13.5	12.1	12.1
112.5°	12.6	13.5	15.6	16.5	16.0	15.1	14.1	12.6	10.7	10.2	10.2
115°	9.8	10.7	12.6	13.5	13.5	12.6	11.7	10.2	8.7	8.2	8.7
117.5°	7.7	8.7	10.2	11.2	11.2	10.2	9.8	8.2	7.3	7.3	7.3
120°	6.3	7.3	8.2	9.2	9.2	8.7	7.7	6.8	5.8	6.3	6.3
122.5°	5.4	5.8	6.8	7.3	7.7	7.3	6.3	5.4	4.8	5.4	5.4
125°	4.4	4.8	5.8	5.8	6.3	5.8	5.4	4.4	4.0	4.4	4.4
127.5°	4.0	4.4	4.8	4.8	5.4	4.8	4.4	3.4	3.4	4.0	4.0
130°	2.9	3.4	4.0	4.0	4.4	4.0	3.4	2.9	2.9	3.4	3.4
132.5°	2.4	2.9	2.9	3.4	3.4	3.4	2.9	1.9	2.4	2.4	2.4
135°	2.4	2.4	2.9	2.4	2.4	2.4	1.9	1.4	1.9	1.9	1.9
137.5°	1.9	1.9	2.4	2.4	1.9	1.9	1.4	1.0	1.4	1.9	1.9
140°	1.4	1.9	1.9	1.9	1.9	1.4	1.0	0.4	1.0	1.0	1.0
142.5°	1.4	1.4	1.9	1.9	1.4	1.0	0.4	0.0	0.4	0.4	0.4
145°	1.0	1.4	1.4	1.4	1.0	1.0	0.4	0.0	0.0	0.4	0.0
147.5°	1.0	1.0	1.4	1.0	1.0	0.4	0.0	0.0	0.0	0.0	0.0
150°	0.4	1.0	1.0	1.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	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

(END OF REPORT)