

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: P415173

Luminaire Tested: **LXF.LXT-PA1-40-750-U-T4W-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415173
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-23)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-40-750-U-T4W-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4714 lumens
Efficiency: N/A
Efficacy: 117.8 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 (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

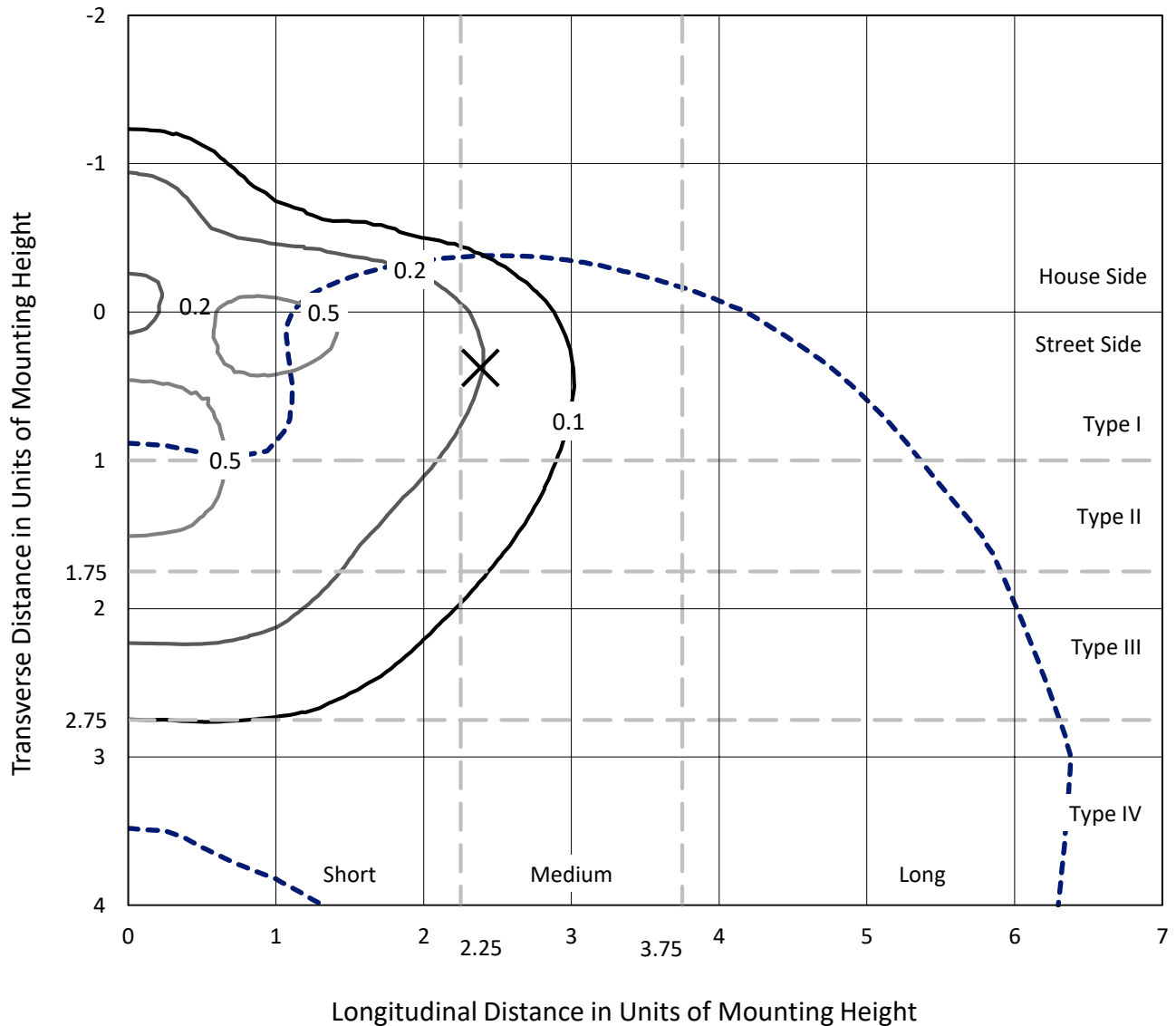


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

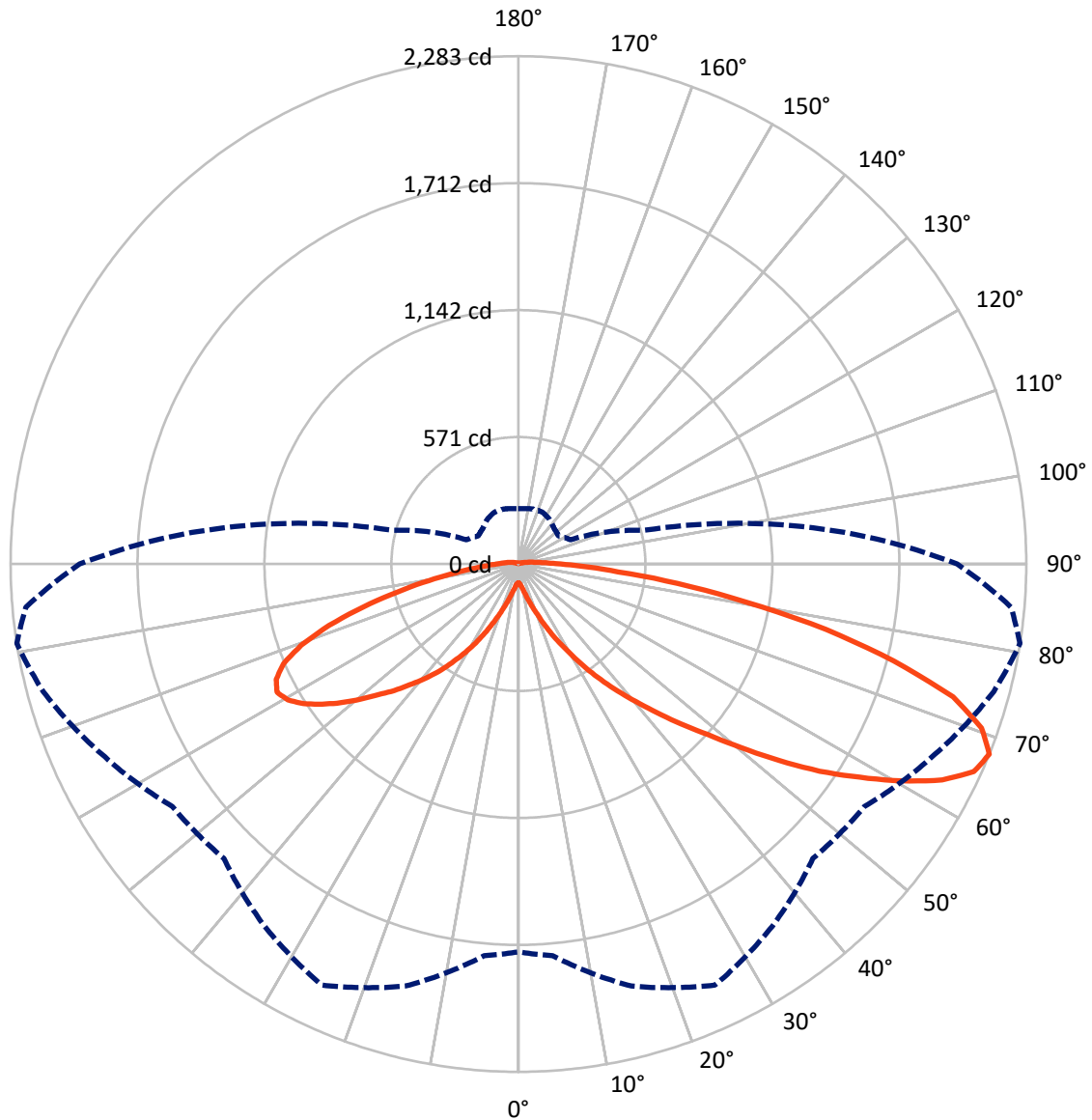


Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 81-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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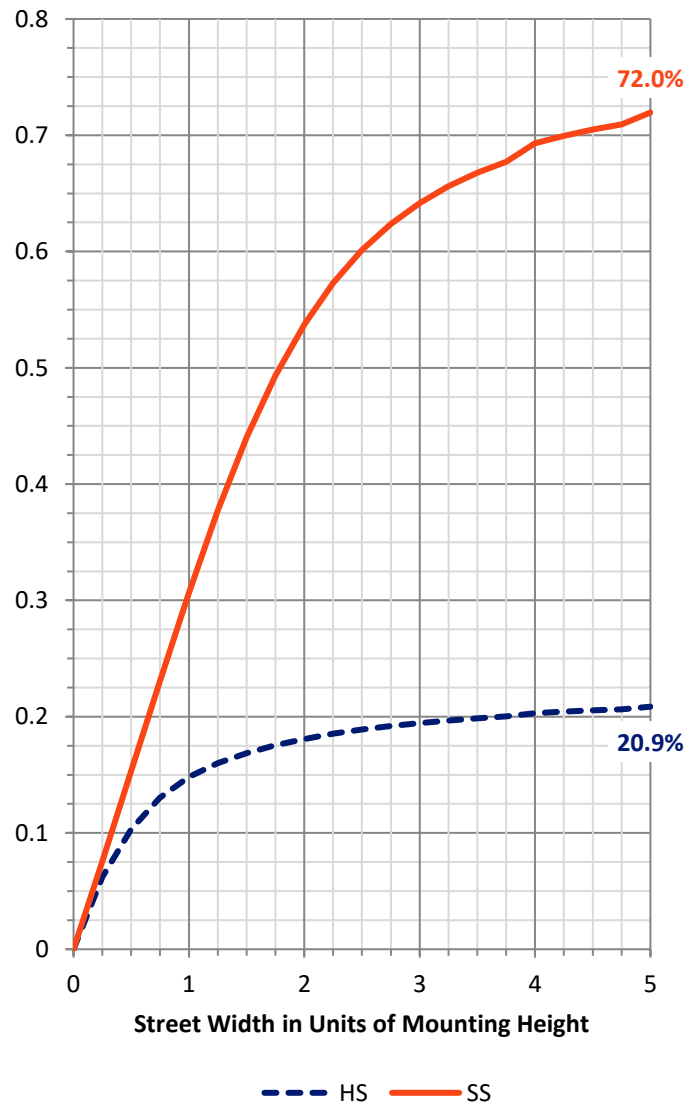
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1031.9	73.4	1105.3
	% Fixture	21.9	1.6	23.4
Street Side	Lumens	3516.4	92.3	3608.7
	% Fixture	74.6	2.0	76.6
Total	Lumens	4548.3	165.6	4714.0
	% Fixture	96.5	3.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.7	0.2
10°-20°	48.7	1.0
20°-30°	145.2	3.1
30°-40°	315.1	6.7
40°-50°	552.6	11.7
50°-60°	875.7	18.6
60°-70°	1181.7	25.1
70°-80°	1013.9	21.5
80°-90°	405.7	8.6
90°-100°	98.7	2.1
100°-110°	34.7	0.7
110°-120°	15.9	0.3
120°-130°	8.6	0.2
130°-140°	4.8	0.1
140°-150°	2.2	0.0
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4548.3	96.5
0°-180°	4714.0	100.0



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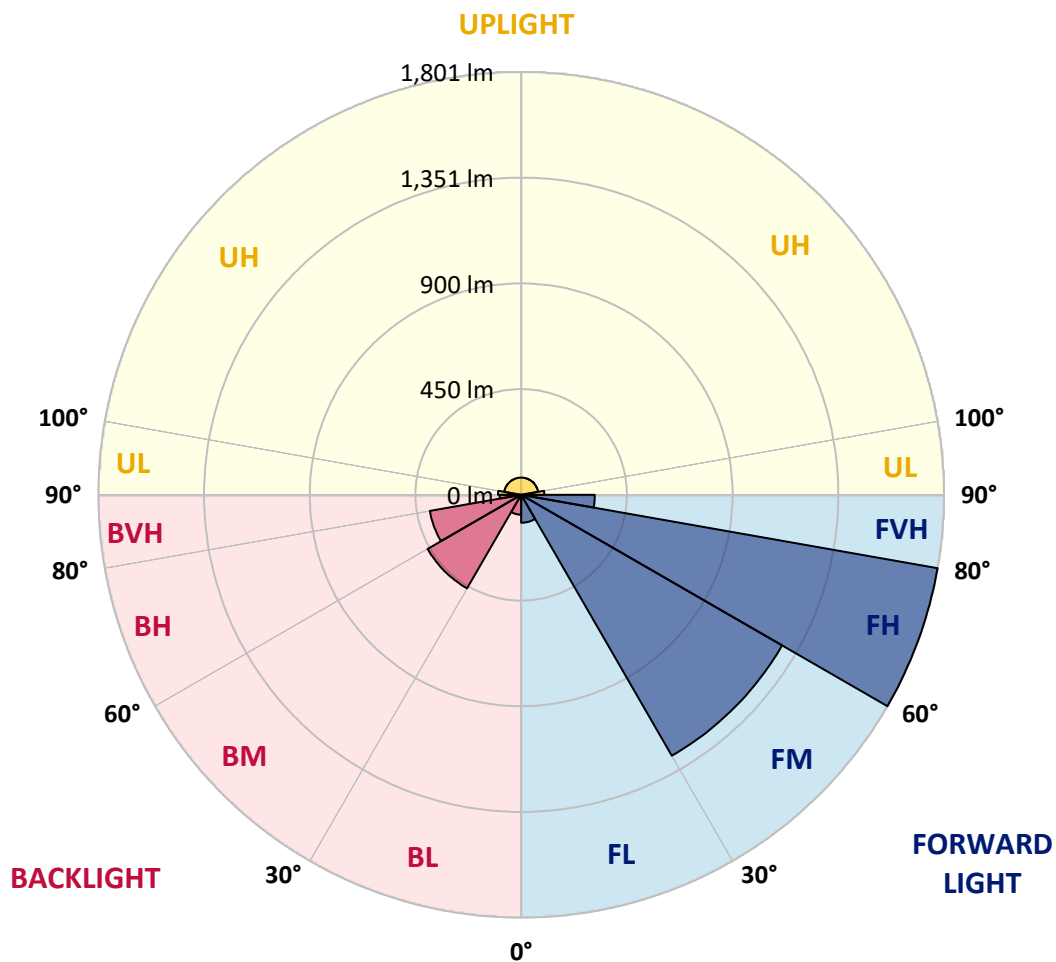
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	118.9	2.5			
FM	(30°-60°)	1283.1	27.2			
FH	(60°-80°)	1800.9	38.2			G2/5000
FVH	(80°-90°)	313.5	6.7			G3/500
BL	(0°-30°)	84.6	1.8	B0/110		
BM	(30°-60°)	460.3	9.8	B1/1000		
BH	(60°-80°)	394.8	8.4	B1/500		G1/500
BVH	(80°-90°)	92.1	2.0			G1/100
UL	(90°-100°)	98.7	2.1		U3/500	
UH	(100°-180°)	73.4	1.6		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°	81°	85°
0°	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
2.5°	92.5	92.0	92.0	92.5	92.5	92.5	90.9	89.2	87.6	87.1	86.5
5°	105.1	104.0	104.0	104.0	103.5	101.8	99.6	97.5	95.3	94.2	93.1
7.5°	121.5	121.0	120.4	118.8	118.3	115.5	112.2	108.9	105.7	104.6	103.5
10°	144.0	143.4	140.7	140.2	137.4	134.7	129.8	124.8	120.4	118.8	117.2
12.5°	172.5	172.5	168.6	164.2	161.0	155.5	151.1	145.1	141.8	139.6	137.4
15°	209.7	207.5	202.6	197.6	188.9	182.3	175.7	172.5	170.3	167.5	164.2
17.5°	250.7	248.0	243.6	233.8	222.3	213.0	206.9	203.7	202.6	200.9	197.1
20°	300.0	296.7	290.7	275.4	262.8	250.2	243.1	241.4	242.5	239.8	236.0
22.5°	358.6	356.4	343.8	324.7	307.1	289.6	283.1	284.1	286.3	290.2	288.0
25°	425.4	419.9	407.9	380.5	351.5	334.5	327.9	332.9	342.7	348.2	343.8
27.5°	503.1	499.9	475.8	440.2	402.4	379.4	374.5	388.7	405.7	410.1	410.1
30°	585.3	587.5	552.4	510.3	462.6	430.9	424.8	445.1	474.1	476.9	484.0
32.5°	689.3	685.5	648.8	579.8	523.4	482.3	478.5	507.0	543.7	557.9	557.9
35°	798.2	794.4	749.5	667.9	589.6	536.5	539.3	569.4	619.2	637.3	640.0
37.5°	923.6	911.0	862.3	761.0	661.9	599.5	594.6	640.0	698.6	724.3	724.3
40°	1061.6	1054.5	986.6	866.7	735.8	664.6	660.8	713.4	784.5	813.0	818.5
42.5°	1195.7	1186.4	1123.4	969.1	821.2	733.6	734.2	791.7	873.2	912.7	919.8
45°	1337.5	1328.8	1259.8	1095.0	913.8	819.0	812.5	884.2	981.6	1025.4	1033.7
47.5°	1463.4	1457.4	1397.7	1220.3	1028.7	910.5	901.7	984.4	1097.2	1145.9	1170.5
50°	1600.3	1592.6	1536.8	1353.9	1143.2	1007.9	1007.4	1096.1	1237.3	1296.4	1316.7
52.5°	1711.4	1702.7	1663.8	1488.1	1256.5	1121.8	1112.5	1221.4	1382.4	1467.3	1477.1
55°	1813.8	1810.5	1797.4	1632.1	1394.4	1233.5	1239.5	1368.7	1547.7	1643.6	1658.3
57.5°	1887.7	1892.1	1898.1	1776.6	1529.7	1358.3	1369.3	1516.5	1719.7	1808.9	1829.2
60°	1938.1	1953.4	1993.4	1902.5	1667.6	1494.6	1513.3	1662.7	1885.0	1980.3	1996.7
62.5°	1941.9	1958.4	2051.4	2020.2	1800.1	1634.2	1655.6	1813.3	2032.8	2138.5	2140.1
65°	1869.1	1891.6	2040.5	2083.7	1916.8	1767.8	1787.0	1947.4	2156.6	2250.2	2216.2
67.5°	1743.7	1767.3	1964.4	2089.2	1989.0	1871.9	1899.2	2051.4	2212.4	2283.0	2222.8
70°	1562.0	1585.0	1792.5	2006.5	2002.2	1933.2	1969.3	2094.1	2202.0	2209.1	2124.2
72.5°	1323.3	1321.1	1545.0	1825.9	1929.3	1928.2	1985.7	2061.8	2083.2	2043.2	1917.3
75°	1013.4	1041.9	1246.1	1564.7	1763.5	1841.2	1899.2	1928.2	1866.9	1743.2	1606.9
77.5°	726.0	749.5	935.1	1233.5	1517.1	1660.5	1724.6	1710.9	1558.7	1413.6	1257.0
80°	480.7	494.4	649.3	920.9	1223.1	1389.5	1466.7	1414.2	1220.9	1035.3	900.1
82.5°	288.5	311.0	408.4	647.1	907.2	1098.3	1145.3	1057.7	871.6	720.5	621.4
85°	174.6	179.6	254.0	413.9	633.4	790.0	834.9	740.7	573.2	450.0	373.4
87.5°	98.0	106.8	157.1	269.4	425.9	548.6	564.5	487.8	359.7	279.2	233.8
90°	57.5	63.5	96.4	167.0	271.6	354.8	359.2	295.1	213.0	168.1	149.5
92.5°	36.7	41.1	64.1	107.3	174.6	230.5	224.5	182.3	136.3	112.2	96.9
95°	26.3	28.5	44.9	73.9	117.2	145.1	142.9	114.4	91.4	78.3	71.2
97.5°	19.7	21.9	35.0	54.2	78.8	97.5	95.3	76.1	63.5	57.5	54.7
100°	16.4	17.5	28.5	42.7	58.6	70.1	69.0	56.4	47.6	43.3	42.2
102.5°	14.2	15.3	23.5	34.5	46.5	54.2	52.0	43.8	36.1	32.3	31.2
105°	12.6	13.1	20.3	29.6	38.3	42.7	42.2	35.0	27.9	24.1	23.5
107.5°	11.5	12.0	17.5	25.2	32.3	36.1	35.0	28.5	21.4	18.6	18.1
110°	10.4	10.9	15.3	21.9	27.4	30.7	29.0	23.5	17.0	14.2	14.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
112.5°	9.9	9.9	13.7	18.6	23.5	26.3	24.6	19.2	13.1	11.5	12.0
115°	9.3	9.3	12.0	16.4	20.8	23.0	20.8	15.9	10.9	9.9	9.9
117.5°	8.8	8.8	10.9	14.8	18.6	20.3	18.1	13.7	9.3	8.2	8.8
120°	8.2	8.8	10.4	13.1	16.4	17.5	15.9	11.5	7.7	7.7	8.2
122.5°	8.2	8.2	9.9	12.0	14.8	15.3	13.7	9.9	7.1	7.1	7.1
125°	8.2	8.2	9.3	10.9	13.1	13.7	11.5	8.2	6.6	6.6	6.6
127.5°	8.2	8.2	8.8	10.4	11.5	12.0	10.4	7.7	6.0	6.0	6.6
130°	7.7	8.2	8.2	9.3	10.4	10.4	8.8	6.6	5.5	5.5	6.0
132.5°	7.7	7.7	8.2	8.8	9.3	9.3	7.7	6.0	4.9	5.5	5.5
135°	7.7	7.7	7.7	8.2	8.8	8.2	6.6	4.9	4.4	4.9	4.9
137.5°	7.1	7.1	7.1	7.7	7.7	7.1	6.0	4.4	4.4	4.4	4.4
140°	6.6	6.6	6.6	6.6	7.1	6.6	4.9	3.8	3.8	3.8	3.8
142.5°	6.0	6.0	6.0	6.0	6.0	5.5	4.4	3.3	3.3	3.3	3.3
145°	5.5	5.5	5.5	5.5	4.9	4.4	3.3	2.7	2.7	3.3	3.3
147.5°	4.4	4.4	4.4	4.4	4.4	3.8	2.7	2.2	2.7	2.7	2.7
150°	3.8	3.8	3.8	3.8	3.3	3.3	2.2	2.2	2.2	2.7	2.7
152.5°	2.7	2.7	2.7	3.3	2.7	2.2	1.6	1.6	2.2	2.2	2.2
155°	2.2	2.2	2.2	2.2	2.2	1.6	1.1	1.6	2.2	2.2	2.2
157.5°	1.1	1.6	1.6	1.6	1.6	1.6	1.1	1.6	1.6	1.6	1.6
160°	0.5	0.5	1.1	1.1	1.6	1.6	1.1	1.1	1.6	1.6	1.6
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°	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
2.5°	86.5	86.0	85.4	84.9	84.3	84.3	83.8	83.2	82.7	82.1	82.1
5°	92.5	91.4	89.8	88.7	87.6	87.6	86.5	86.0	84.9	84.3	84.3
7.5°	101.8	101.3	98.0	96.4	94.7	94.2	93.1	92.0	90.9	90.9	90.9
10°	115.5	113.9	111.1	106.8	105.1	104.0	102.4	101.3	101.3	101.8	101.8
12.5°	136.3	131.9	128.1	122.1	118.8	116.6	115.5	116.1	118.8	119.9	118.8
15°	160.4	159.3	150.0	141.3	134.7	130.3	133.0	136.3	140.2	141.3	142.9
17.5°	193.8	190.0	177.4	164.8	152.7	150.6	153.8	159.3	163.7	167.0	169.7
20°	233.8	227.2	211.9	190.0	176.3	173.0	175.2	182.9	191.1	197.6	198.2
22.5°	284.1	274.3	246.9	219.5	199.3	193.8	196.5	208.6	220.6	228.8	228.3
25°	338.9	326.8	290.2	250.7	222.8	213.0	217.9	233.8	250.7	260.6	261.7
27.5°	400.2	388.2	337.3	280.9	244.2	229.4	237.6	255.7	278.7	290.7	292.9
30°	472.5	456.1	384.3	313.2	263.9	244.7	252.4	275.9	301.1	318.1	320.3
32.5°	547.5	521.8	431.4	339.4	277.6	254.6	263.3	290.7	319.7	338.3	341.6
35°	625.2	593.5	479.1	361.9	287.4	260.6	269.4	300.0	330.7	350.9	353.7
37.5°	712.8	670.7	522.3	378.9	292.9	262.2	271.0	301.7	332.9	352.6	355.3
40°	801.0	744.6	558.4	389.3	293.5	260.6	267.7	297.3	326.8	343.8	346.6
42.5°	895.7	822.3	594.6	392.0	290.7	256.2	262.2	288.5	313.7	326.8	328.5
45°	1001.9	912.1	625.2	389.8	283.1	249.7	254.0	276.5	296.2	302.2	305.0
47.5°	1114.1	1000.8	648.8	383.2	275.4	242.5	245.3	263.9	276.5	277.0	277.6
50°	1251.0	1108.7	677.8	373.9	265.0	236.0	237.6	252.4	258.4	255.7	254.6
52.5°	1401.0	1224.2	696.4	359.2	255.7	229.9	231.6	243.1	245.3	239.3	239.8
55°	1564.2	1332.0	712.3	344.9	245.8	226.1	229.4	238.7	238.7	231.0	230.5
57.5°	1716.4	1442.1	719.4	326.8	237.6	223.4	228.8	238.2	237.1	229.9	229.4
60°	1863.6	1531.9	710.6	309.3	232.1	222.3	232.1	242.0	240.9	234.9	234.3
62.5°	1965.5	1588.3	688.7	291.8	227.2	223.9	236.0	247.5	247.5	240.9	240.9
65°	2009.3	1581.7	643.8	274.3	223.4	225.0	241.4	253.5	252.4	246.9	245.8
67.5°	1972.6	1522.0	583.6	257.3	220.1	226.1	244.2	256.8	255.7	249.7	248.6
70°	1854.9	1396.6	510.8	242.0	215.7	224.5	245.3	256.2	254.6	249.1	246.9
72.5°	1620.6	1201.7	434.7	227.2	209.1	220.6	242.0	251.8	250.2	245.8	243.1
75°	1334.8	969.1	359.2	210.8	200.9	213.5	234.9	243.6	241.4	237.6	234.9
77.5°	1020.5	732.0	296.7	195.5	191.1	204.2	225.0	231.6	229.4	226.1	224.5
80°	722.1	521.2	238.7	178.5	176.8	190.0	207.5	214.6	213.5	210.2	207.5
82.5°	475.2	346.6	190.5	159.3	160.4	174.1	187.2	191.1	190.5	187.8	184.5
85°	292.9	228.3	150.0	137.4	142.3	153.3	164.2	164.8	163.2	162.6	157.7
87.5°	186.7	156.0	117.7	116.6	123.7	133.0	138.0	135.8	136.9	136.9	133.0
90°	121.5	109.5	94.2	97.5	105.1	112.2	114.4	108.4	111.7	110.0	108.4
92.5°	88.1	81.6	76.6	81.0	88.7	95.3	94.2	87.6	89.2	89.2	88.7
95°	66.8	63.5	64.1	68.4	74.5	78.8	76.6	71.2	71.7	70.6	69.0
97.5°	52.6	52.0	54.2	57.5	63.0	65.7	63.5	58.6	58.0	56.4	55.8
100°	41.6	42.2	45.4	49.3	52.6	54.7	53.1	48.2	46.0	43.3	42.7
102.5°	32.3	33.4	37.8	41.1	44.3	46.0	44.3	40.5	36.7	33.9	33.4
105°	25.2	26.3	31.2	34.5	37.2	38.3	37.2	32.8	29.0	25.7	25.7
107.5°	19.7	20.8	25.7	29.6	31.2	32.3	30.7	27.4	23.0	20.3	20.3
110°	15.9	17.0	21.4	24.6	26.3	27.4	25.7	21.9	18.6	16.4	16.4



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CATALOG NUMBER: LXF.LXT-PA1-40-750-U-T4W-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	12.6	14.2	17.5	20.8	22.4	23.0	21.4	18.6	14.8	13.7	13.7
115°	10.9	12.0	14.8	17.5	19.2	19.2	18.1	15.3	12.0	11.5	11.5
117.5°	9.3	10.4	12.6	15.3	16.4	16.4	15.3	12.6	10.4	9.9	9.9
120°	8.8	9.3	10.9	13.1	14.2	14.2	13.1	10.9	8.8	8.8	8.8
122.5°	7.7	8.2	9.9	11.5	12.6	12.6	11.5	9.3	7.7	8.2	8.2
125°	7.1	7.7	8.8	9.9	10.9	10.9	9.9	8.2	7.1	7.1	7.1
127.5°	6.6	7.1	7.7	8.8	9.3	9.3	8.8	7.1	6.6	6.6	6.6
130°	6.0	6.6	7.1	7.7	8.2	8.2	7.1	6.0	6.0	6.0	6.0
132.5°	6.0	6.0	6.0	6.6	7.1	7.1	6.6	5.5	5.5	5.5	5.5
135°	5.5	5.5	5.5	5.5	6.0	6.0	5.5	4.9	4.9	4.9	4.9
137.5°	4.9	4.9	4.9	4.9	5.5	5.5	4.9	4.4	4.4	4.4	4.4
140°	4.4	4.4	4.4	3.8	4.4	4.4	3.8	3.8	3.8	3.8	3.8
142.5°	3.3	3.8	3.3	3.3	3.3	3.3	3.3	2.7	3.3	3.3	3.3
145°	3.3	3.3	3.3	2.7	2.7	2.7	2.7	2.2	2.7	2.7	2.7
147.5°	2.7	2.7	2.7	2.2	1.6	2.2	1.6	2.2	2.2	2.2	2.2
150°	2.7	2.7	2.2	2.2	1.6	1.1	1.1	1.6	1.6	1.6	1.6
152.5°	2.2	2.2	2.2	1.6	1.1	0.5	0.5	1.1	1.1	1.1	1.1
155°	2.2	2.2	1.6	1.6	1.1	0.5	0.5	0.5	0.5	0.5	0.5
157.5°	1.6	1.6	1.6	1.1	1.1	0.5	0.0	0.5	0.0	0.0	0.0
160°	1.6	1.6	1.6	1.1	0.5	0.5	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)