

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: P415315

Luminaire Tested: **LXF.LXT-PA1-40-830-U-T3-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415315
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-12)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-40-830-U-T3-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3925 lumens
Efficiency: N/A
Efficacy: 98.1 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 - G2

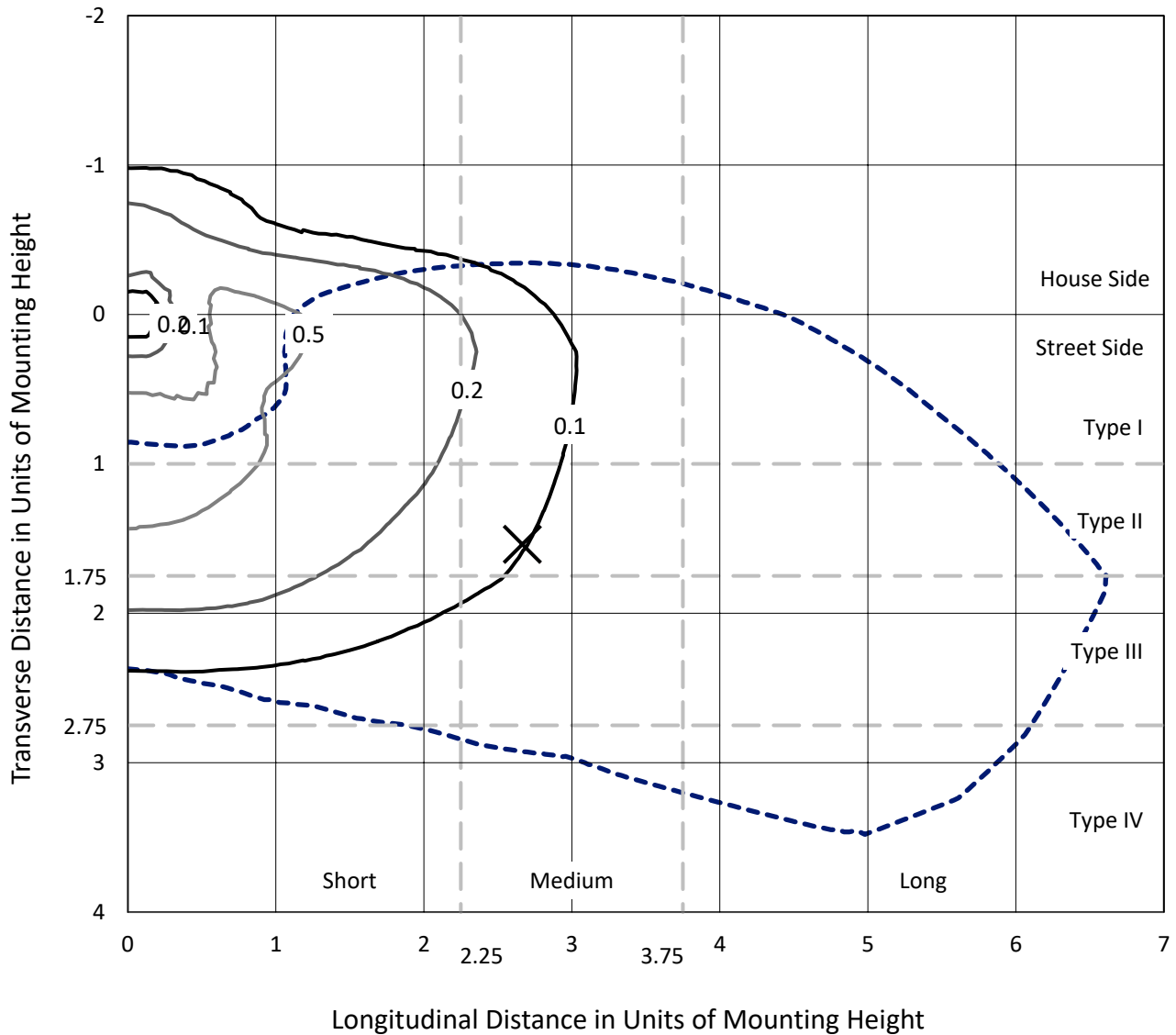
Input Watts (W): 40
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

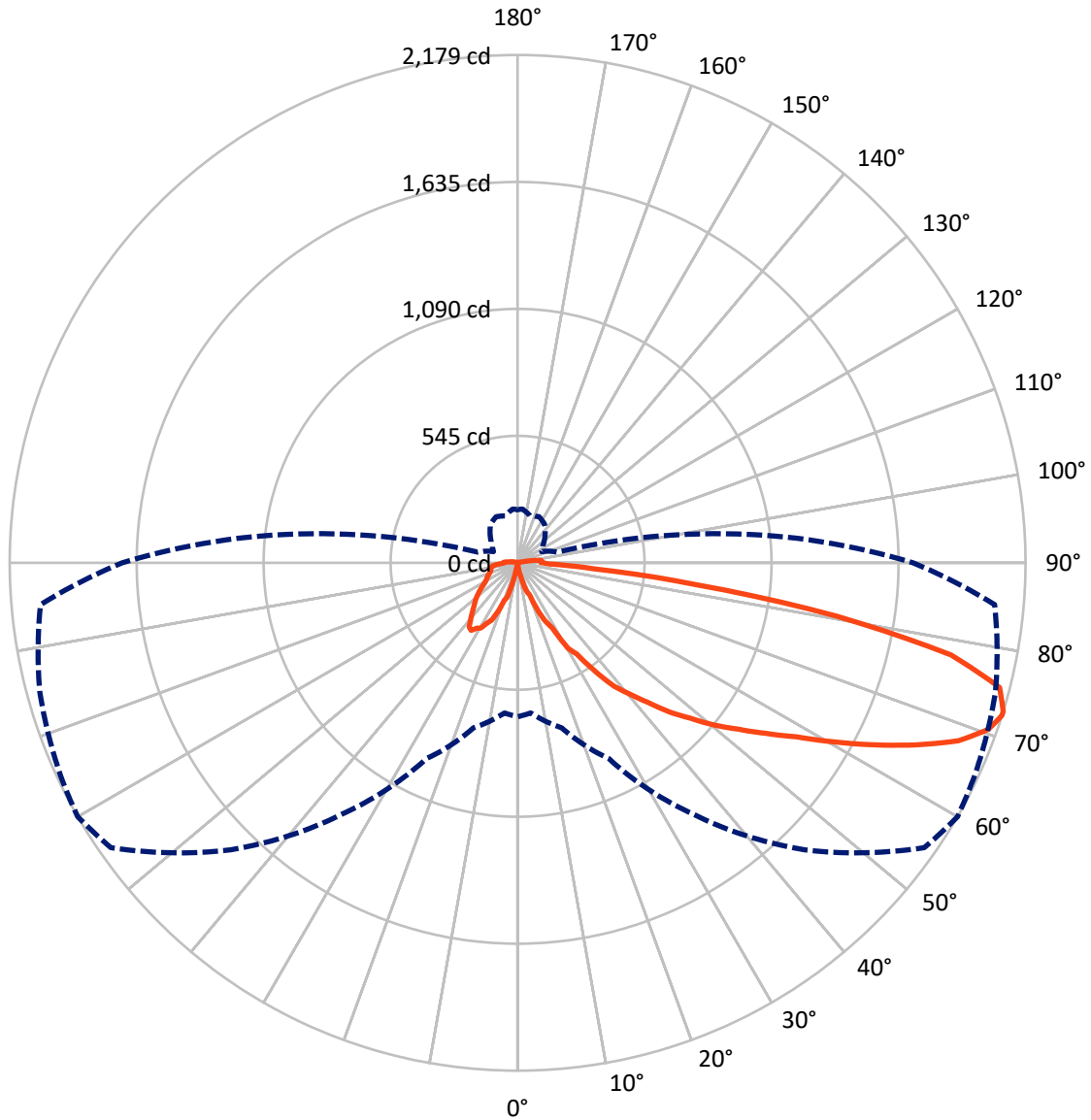
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical

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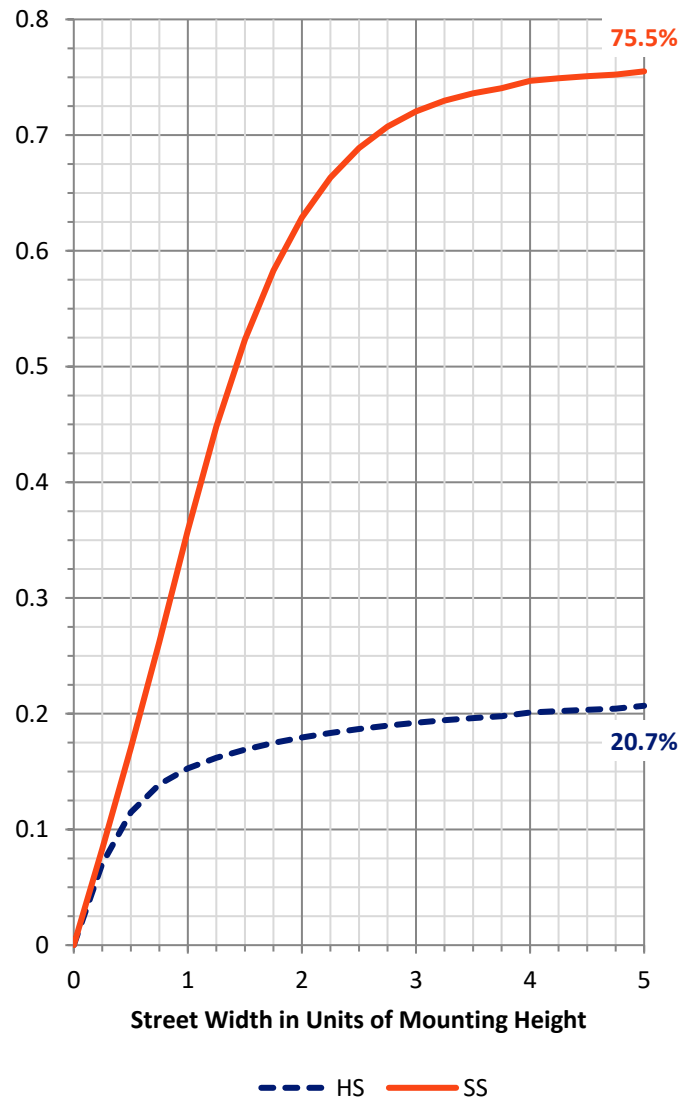
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	857.8	41.9	899.7
	% Fixture	21.9	1.1	22.9
Street Side	Lumens	2988.6	36.7	3025.3
	% Fixture	76.1	0.9	77.1
Total	Lumens	3846.4	78.6	3925.0
	% Fixture	98.0	2.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.1	0.1
10°-20°	32.1	0.8
20°-30°	133.8	3.4
30°-40°	309.1	7.9
40°-50°	542.8	13.8
50°-60°	820.4	20.9
60°-70°	1011.6	25.8
70°-80°	781.0	19.9
80°-90°	213.4	5.4
90°-100°	57.9	1.5
100°-110°	10.0	0.3
110°-120°	3.9	0.1
120°-130°	2.8	0.1
130°-140°	1.8	0.0
140°-150°	1.5	0.0
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3846.4	98.0
0°-180°	3925.0	100.0

Coefficient of Utilization



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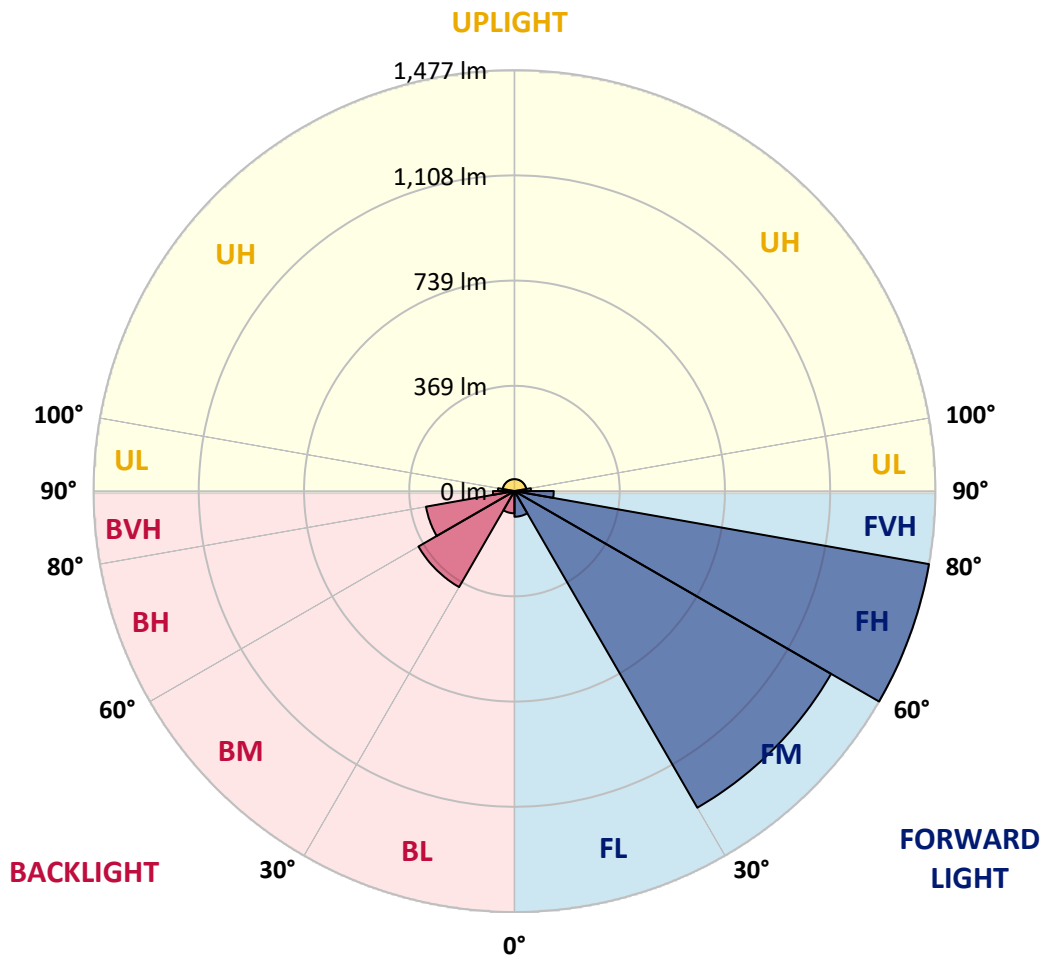
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	90.1	2.3			
FM (30°-60°)	1283.3	32.7			
FH (60°-80°)	1477.4	37.6			G1/1800
FVH (80°-90°)	137.8	3.5			G2/225
BL (0°-30°)	78.0	2.0	B0/110		
BM (30°-60°)	389.1	9.9	B1/1000		
BH (60°-80°)	315.2	8.0	B1/500		G1/500
BVH (80°-90°)	75.6	1.9			G1/100
UL (90°-100°)	57.9	1.5		U3/500	
UH (100°-180°)	41.9	1.1		U2/50	

BUG Rating: B1-U3-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
2.5°	5.2	4.8	4.4	4.4	4.8	4.4	3.9	3.5	3.0	3.0	2.6
5°	48.7	47.4	47.0	37.9	17.4	13.5	6.1	4.8	3.9	3.0	2.6
7.5°	54.0	53.5	53.1	53.1	52.2	49.6	28.3	13.9	7.8	3.9	3.5
10°	61.8	60.9	58.3	57.0	55.7	54.8	50.9	48.3	21.8	6.5	5.7
12.5°	110.1	108.3	105.7	78.3	67.0	59.2	57.9	55.7	48.3	20.0	40.5
15°	118.3	117.9	116.2	114.9	111.4	74.0	89.6	102.3	115.7	94.4	105.3
17.5°	148.8	144.5	133.1	126.6	124.4	135.8	129.7	131.8	131.8	127.1	120.5
20°	222.3	219.3	213.6	188.4	141.8	174.9	171.4	145.8	150.1	185.8	215.8
22.5°	268.0	265.0	253.2	237.1	234.1	194.5	202.3	221.0	226.3	260.6	260.2
25°	363.7	358.1	332.9	285.4	291.5	251.1	282.4	278.0	264.5	287.2	295.0
27.5°	444.2	439.5	427.3	403.3	338.1	351.1	321.1	315.5	351.6	415.1	413.8
30°	533.0	506.9	474.3	466.9	418.6	398.1	406.0	424.7	438.2	444.2	459.5
32.5°	646.6	643.5	619.2	523.0	507.8	455.1	492.5	466.9	477.3	565.2	617.4
35°	725.3	733.2	690.1	632.6	560.4	559.1	543.4	569.1	619.2	631.3	667.5
37.5°	908.9	911.1	872.4	708.4	661.4	616.1	664.8	671.8	685.7	706.6	737.1
40°	1047.3	1027.7	979.9	858.0	755.8	706.6	741.4	740.6	771.0	809.3	828.4
42.5°	1217.9	1196.1	1110.4	972.5	876.7	822.4	825.8	818.4	843.7	904.2	915.9
45°	1361.0	1351.4	1285.3	1140.0	1010.3	945.1	921.6	912.4	925.0	1001.2	1007.7
47.5°	1496.3	1470.7	1427.6	1280.5	1204.4	1085.6	1018.1	996.4	1000.3	1086.9	1106.0
50°	1639.5	1596.4	1543.3	1414.1	1358.8	1262.2	1129.1	1095.2	1096.5	1176.5	1209.2
52.5°	1724.3	1656.0	1621.6	1514.6	1458.9	1410.6	1245.3	1186.5	1192.6	1268.3	1317.9
55°	1671.7	1651.2	1652.1	1588.1	1546.8	1490.2	1358.0	1292.3	1299.2	1388.0	1450.2
57.5°	1582.9	1598.6	1653.8	1651.2	1628.2	1572.9	1470.2	1408.9	1448.9	1523.3	1589.0
60°	1514.6	1532.4	1622.1	1668.2	1711.3	1670.8	1586.4	1559.9	1597.3	1662.1	1740.9
62.5°	1400.6	1415.0	1538.1	1659.9	1709.1	1754.3	1696.9	1720.8	1755.2	1810.0	1905.8
65°	1244.8	1241.4	1394.5	1584.2	1694.7	1800.9	1839.2	1883.1	1914.5	1973.2	2060.2
67.5°	1060.8	1078.2	1207.0	1421.1	1638.6	1824.4	1958.8	2039.3	2058.9	2081.6	2144.2
70°	866.3	865.4	978.1	1205.7	1518.1	1811.3	2072.4	2142.0	2142.5	2129.0	2147.7
72°	660.5	646.6	733.6	927.6	1318.4	1741.3	2130.7	2179.4	2163.4	2123.3	2055.0
72.5°	566.9	579.6	661.4	873.7	1228.7	1706.5	2136.8	2179.0	2161.6	2117.7	2027.2
75°	287.6	269.3	315.9	468.2	847.6	1378.9	2092.9	2136.4	2087.6	2032.8	1777.4
77.5°	112.7	115.7	134.0	202.3	412.5	908.1	1806.6	1901.4	1870.1	1831.4	1401.9
80°	79.2	79.2	89.6	115.3	211.5	369.0	1251.8	1389.7	1438.0	1457.2	937.7
82.5°	57.4	58.3	68.3	80.5	151.0	177.1	614.8	772.3	848.5	919.8	524.3
85°	53.5	53.5	54.8	54.0	107.9	126.2	223.6	329.8	381.2	446.9	211.9
87.5°	25.2	27.4	40.5	32.2	53.1	77.9	121.8	132.3	135.3	153.6	152.3
90°	16.5	16.5	13.5	13.9	26.1	63.1	97.9	100.1	96.2	112.7	141.8
92.5°	17.0	17.4	12.6	13.1	20.5	57.9	100.5	102.3	99.2	118.3	150.5
95°	15.7	15.7	10.9	11.3	16.1	44.4	100.5	102.3	93.5	117.9	150.5
97.5°	13.1	13.5	8.7	9.1	12.6	21.8	69.6	74.8	59.6	60.0	73.5
100°	11.3	11.3	7.0	7.4	9.1	10.0	35.2	37.0	33.1	14.8	10.0
102.5°	11.3	11.3	6.1	6.1	6.1	5.7	10.9	18.3	15.2	8.7	9.6
105°	10.9	11.3	5.7	4.8	4.8	4.4	5.7	7.0	7.0	7.0	10.0
107.5°	8.7	9.1	4.4	4.4	3.9	3.9	3.0	3.0	4.4	6.5	10.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	7.0	7.0	3.5	3.9	3.0	3.5	2.6	2.6	3.9	4.8	8.3
112.5°	3.9	3.9	2.6	3.0	2.6	3.0	2.6	2.6	3.0	3.9	5.2
115°	3.5	3.5	2.2	2.2	2.2	2.2	2.2	2.2	2.6	3.5	5.7
117.5°	3.5	3.5	2.2	2.2	2.2	1.7	1.7	2.2	2.2	3.5	5.7
120°	3.5	3.5	2.2	2.2	1.7	1.7	1.7	2.2	2.2	3.5	5.7
122.5°	3.9	3.5	2.2	1.7	1.7	1.7	1.7	1.7	2.2	3.0	5.7
125°	3.9	3.5	2.6	1.7	1.7	1.7	1.7	1.7	2.2	3.0	4.8
127.5°	3.9	3.9	2.6	1.7	1.7	1.7	1.7	1.7	1.7	2.6	4.4
130°	3.9	3.5	2.6	1.7	1.7	1.7	1.7	1.7	1.7	2.6	3.9
132.5°	3.5	3.5	2.6	1.7	2.2	1.7	1.7	1.7	1.7	2.2	3.0
135°	3.0	3.0	2.2	2.2	2.2	1.7	1.7	1.7	1.7	1.7	2.6
137.5°	3.0	3.0	2.6	2.2	2.2	2.2	1.7	1.7	1.7	1.7	2.2
140°	3.0	3.0	2.6	2.6	2.6	2.2	1.7	1.7	1.7	2.2	2.2
142.5°	3.5	3.5	3.0	2.6	2.6	2.2	1.7	1.7	2.2	2.2	2.2
145°	3.9	3.9	3.5	3.0	2.6	1.7	1.7	2.2	2.2	2.2	2.6
147.5°	3.9	3.9	3.5	2.6	2.2	1.7	1.7	2.2	2.2	2.6	2.6
150°	3.5	3.5	3.0	2.2	1.7	1.3	1.7	1.7	2.2	2.6	2.6
152.5°	2.6	2.6	2.2	1.7	1.3	0.9	1.3	1.7	1.7	2.2	2.6
155°	1.7	1.7	1.3	0.9	0.9	0.9	1.3	1.3	1.3	1.7	2.2
157.5°	0.9	0.9	0.4	0.4	0.9	0.9	0.9	1.3	1.3	1.3	1.7
160°	0.4	0.4	0.4	0.4	0.9	0.9	0.9	1.3	1.3	1.3	1.3
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°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
2.5°	2.6	2.6	2.6	2.6	2.6	2.6	3.0	3.0	3.0	3.5	3.9
5°	2.6	2.6	2.6	2.6	3.0	3.5	3.9	4.4	4.8	5.2	5.2
7.5°	3.0	3.0	3.0	3.5	3.9	4.8	10.9	38.3	52.2	57.0	55.7
10°	5.7	5.7	5.2	5.2	6.1	50.9	64.8	70.5	73.5	77.0	77.0
12.5°	45.3	52.2	18.7	10.4	50.5	71.4	76.6	80.5	83.1	86.6	86.6
15°	109.2	111.0	114.0	102.7	99.2	80.9	84.4	114.4	150.5	160.1	161.0
17.5°	122.7	124.9	127.1	150.5	160.1	124.0	142.7	160.6	164.0	167.5	167.5
20°	234.1	237.6	192.8	172.7	168.8	210.2	161.4	165.8	171.9	202.8	205.8
22.5°	265.4	267.6	250.6	261.5	191.4	219.7	212.3	212.3	237.6	239.3	239.7
25°	297.6	309.8	277.6	268.9	272.4	222.3	250.6	226.3	229.7	232.3	232.8
27.5°	434.2	432.5	406.4	307.6	273.2	269.3	243.2	223.2	261.1	271.1	271.5
30°	461.6	457.3	433.8	360.3	283.7	266.7	229.3	258.0	251.1	252.4	252.8
32.5°	634.8	627.9	561.3	364.6	296.3	246.3	248.9	240.2	241.0	268.0	268.9
35°	678.3	668.8	575.2	421.6	282.4	249.8	230.2	241.0	245.4	244.1	244.1
37.5°	736.6	718.4	570.9	396.4	293.7	233.7	220.2	227.6	225.0	241.5	240.6
40°	800.2	774.5	573.0	367.7	266.3	219.3	211.0	217.6	215.8	211.0	207.5
42.5°	881.1	836.7	572.6	343.7	241.0	214.5	199.3	198.8	191.4	183.6	181.0
45°	963.8	902.4	574.3	316.3	221.9	210.6	192.8	182.3	175.8	167.5	165.3
47.5°	1054.3	972.5	579.6	294.6	207.1	198.8	184.5	171.9	167.1	156.6	155.8
50°	1161.3	1046.0	581.3	277.2	189.7	188.4	178.4	164.5	157.1	146.6	145.8
52.5°	1276.6	1123.9	584.3	251.5	176.2	184.5	181.9	162.7	159.7	146.2	145.3
55°	1385.8	1197.8	583.5	220.6	170.1	181.0	181.9	174.0	169.3	147.1	145.3
57.5°	1517.2	1277.9	570.4	191.9	160.6	175.8	190.6	184.1	178.8	160.6	157.1
60°	1634.7	1360.6	531.7	169.7	152.3	170.1	198.0	191.4	176.7	164.9	161.4
62.5°	1772.2	1431.9	477.7	153.6	149.2	171.9	200.6	196.2	178.0	174.0	172.7
65°	1865.3	1458.9	395.9	140.5	148.8	171.9	199.7	200.6	187.5	191.4	191.0
67.5°	1876.6	1424.1	300.2	130.5	143.6	171.9	198.4	209.3	196.2	212.3	213.2
70°	1822.2	1337.1	218.9	120.5	137.9	169.7	198.8	214.9	202.8	228.0	226.3
72°	1696.9	1205.2	177.1	114.0	133.1	166.2	201.9	218.0	208.4	231.9	228.0
72.5°	1664.3	1164.8	169.3	113.1	132.3	165.8	202.8	218.9	208.9	235.8	231.0
75°	1392.8	927.6	145.3	106.6	133.6	163.6	207.1	218.4	211.5	238.4	239.3
77.5°	1055.1	625.2	128.8	100.9	133.1	159.7	205.8	214.9	207.5	229.3	234.1
80°	653.1	363.7	114.4	100.5	132.3	157.9	200.1	205.8	196.7	214.1	215.4
82.5°	357.2	212.8	99.2	98.8	128.4	153.2	189.3	195.4	186.7	205.8	192.3
85°	182.7	144.5	74.4	80.9	112.3	144.0	176.7	176.2	167.5	174.5	164.9
87.5°	141.0	113.6	48.3	58.3	91.8	118.8	145.3	144.0	132.7	133.6	129.7
90°	129.7	101.4	31.8	41.3	76.6	85.3	100.9	97.0	89.2	90.9	89.6
92.5°	130.5	100.1	30.5	43.9	73.5	76.6	92.7	87.9	80.1	80.9	78.3
95°	127.5	96.2	30.5	38.7	60.9	54.4	66.6	64.8	58.3	55.3	54.0
97.5°	60.9	47.9	28.3	28.7	34.4	29.6	40.5	43.5	34.8	27.8	27.8
100°	10.4	16.1	24.8	29.2	24.8	18.7	25.7	29.6	20.0	9.1	10.0
102.5°	10.4	10.0	19.1	24.8	17.8	10.0	14.8	19.6	12.6	7.0	7.4
105°	11.3	10.4	9.1	17.0	10.4	5.2	5.7	10.0	7.0	7.0	7.0
107.5°	12.2	11.3	6.5	6.5	5.2	4.8	4.4	3.9	4.8	7.0	7.4



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CATALOG NUMBER: LXF.LXT-PA1-40-830-U-T3-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	9.1	9.1	6.1	5.2	4.8	4.8	3.5	3.5	4.8	7.4	7.4
112.5°	6.5	6.5	5.2	4.4	3.9	4.8	3.5	3.5	4.4	7.4	7.8
115°	6.5	6.5	4.8	3.9	3.5	3.9	3.5	3.0	4.4	7.4	7.8
117.5°	6.5	6.5	4.8	3.5	3.0	3.0	2.6	3.0	4.4	7.4	7.8
120°	6.5	6.5	4.8	3.5	3.0	2.6	2.6	2.6	4.4	7.4	7.8
122.5°	6.1	6.1	4.4	3.0	2.6	2.2	2.2	2.6	3.9	7.0	7.4
125°	5.7	5.7	3.9	3.0	2.6	2.2	2.2	2.2	3.9	6.5	7.0
127.5°	5.2	5.2	3.9	2.6	2.2	2.2	2.2	2.2	3.5	6.1	6.5
130°	4.4	4.4	3.5	2.6	2.2	1.7	2.2	2.2	3.5	5.7	5.7
132.5°	3.5	3.5	2.6	2.2	2.2	1.7	1.7	2.2	3.0	4.8	5.2
135°	2.6	2.6	2.6	2.2	2.2	1.7	1.7	1.7	2.6	3.9	4.4
137.5°	2.2	2.6	2.2	2.2	2.2	1.7	1.7	1.7	2.6	3.5	3.5
140°	2.2	2.2	2.2	2.2	2.2	1.7	1.7	1.7	2.6	3.0	3.5
142.5°	2.2	2.6	2.2	2.2	2.2	1.7	1.7	2.2	2.6	3.5	3.5
145°	2.6	2.6	2.6	2.2	2.2	1.3	1.3	2.2	2.6	3.5	3.5
147.5°	2.6	2.6	2.6	2.2	1.7	1.3	1.3	1.7	2.6	3.5	3.5
150°	2.6	2.6	2.6	2.2	1.7	0.9	0.9	1.7	2.2	3.0	3.5
152.5°	2.6	2.6	2.2	2.2	1.3	0.9	0.4	1.3	1.7	2.6	2.6
155°	2.2	2.2	2.2	1.7	1.3	0.4	0.0	0.4	1.3	2.2	2.2
157.5°	1.7	1.7	1.7	1.3	0.9	0.4	0.0	0.4	0.4	1.3	1.3
160°	1.3	1.3	1.3	1.3	0.9	0.4	0.0	0.0	0.4	0.9	0.9
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)