

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: P417342

Luminaire Tested: **LXF.LXT-PA1-90-827-U-T3-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417342
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-7)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-90-827-U-T3-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6895 lumens
Efficiency: N/A
Efficacy: 73.4 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: B2 - U3 - G3

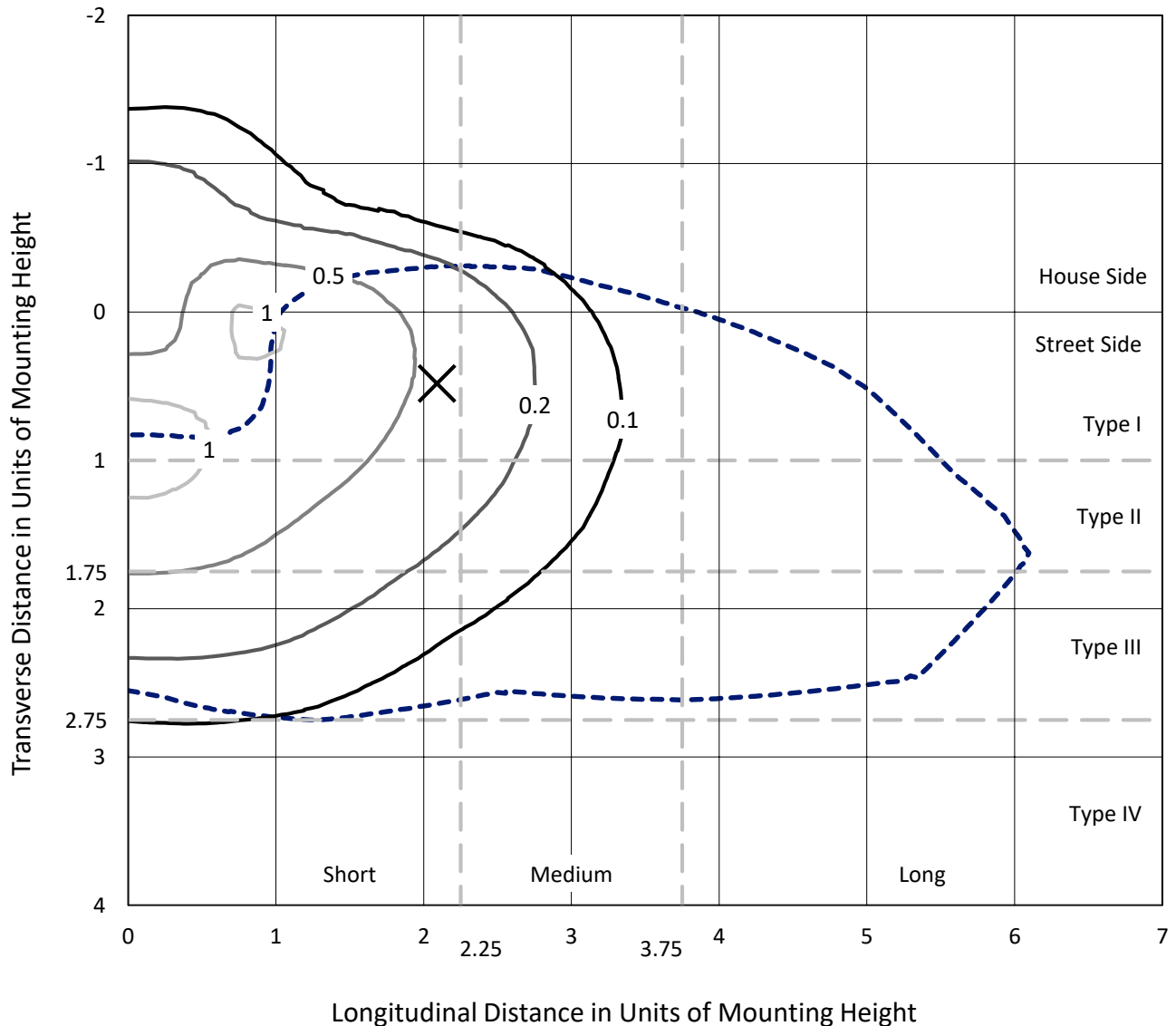
Input Watts (W): 94
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

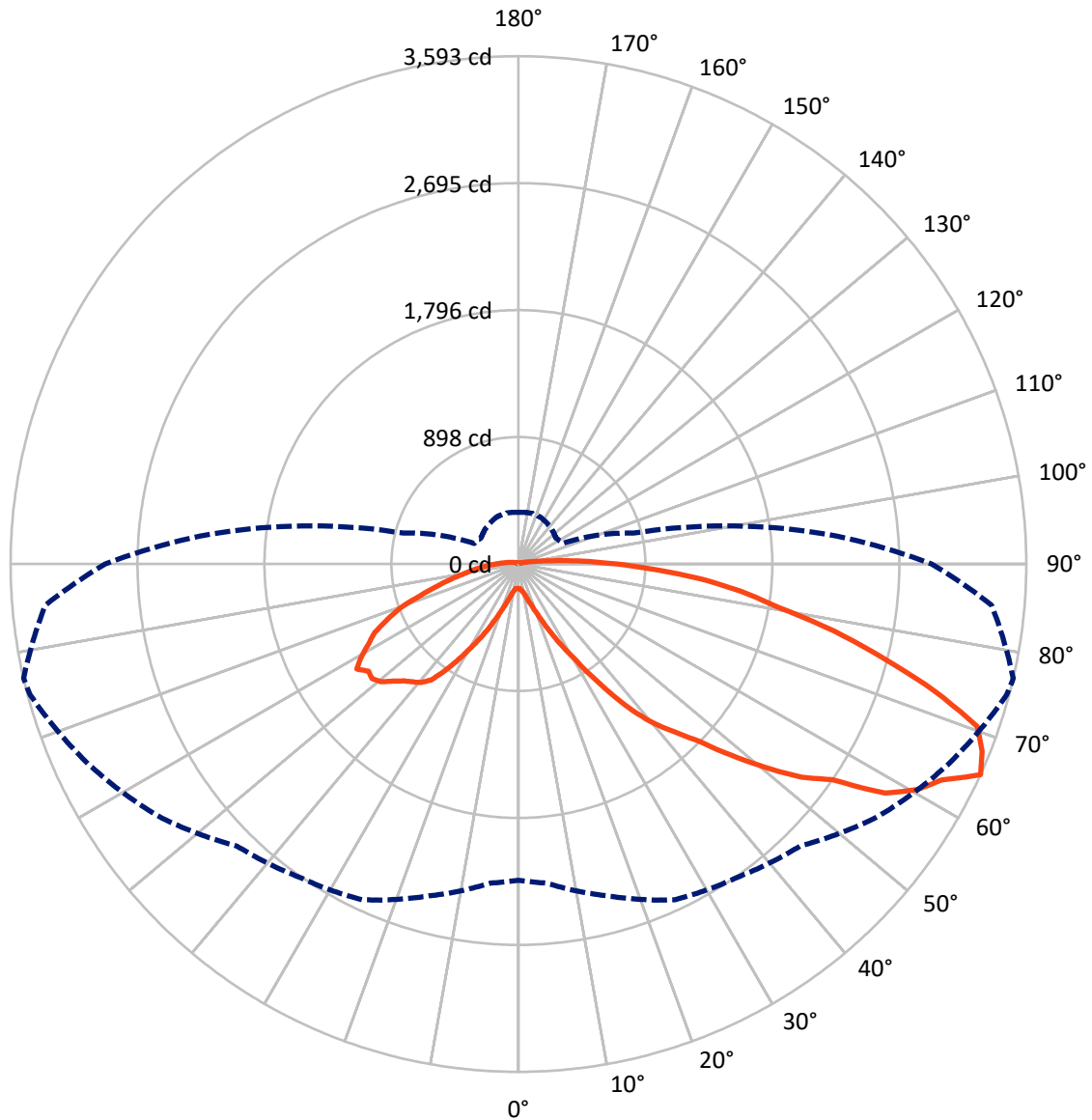


Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1519.3	108.1	1627.4
	% Fixture	22.0	1.6	23.6
Street Side	Lumens	5132.5	135.1	5267.6
	% Fixture	74.4	2.0	76.4
Total	Lumens	6651.9	243.2	6895.0
	% Fixture	96.5	3.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.8	0.3
10°-20°	75.5	1.1
20°-30°	221.3	3.2
30°-40°	529.8	7.7
40°-50°	954.0	13.8
50°-60°	1451.0	21.0
60°-70°	1711.6	24.8
70°-80°	1179.5	17.1
80°-90°	511.4	7.4
90°-100°	149.3	2.2
100°-110°	46.8	0.7
110°-120°	21.8	0.3
120°-130°	12.9	0.2
130°-140°	7.8	0.1
140°-150°	3.4	0.0
150°-160°	1.1	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6651.9	96.5
0°-180°	6895.0	100.0



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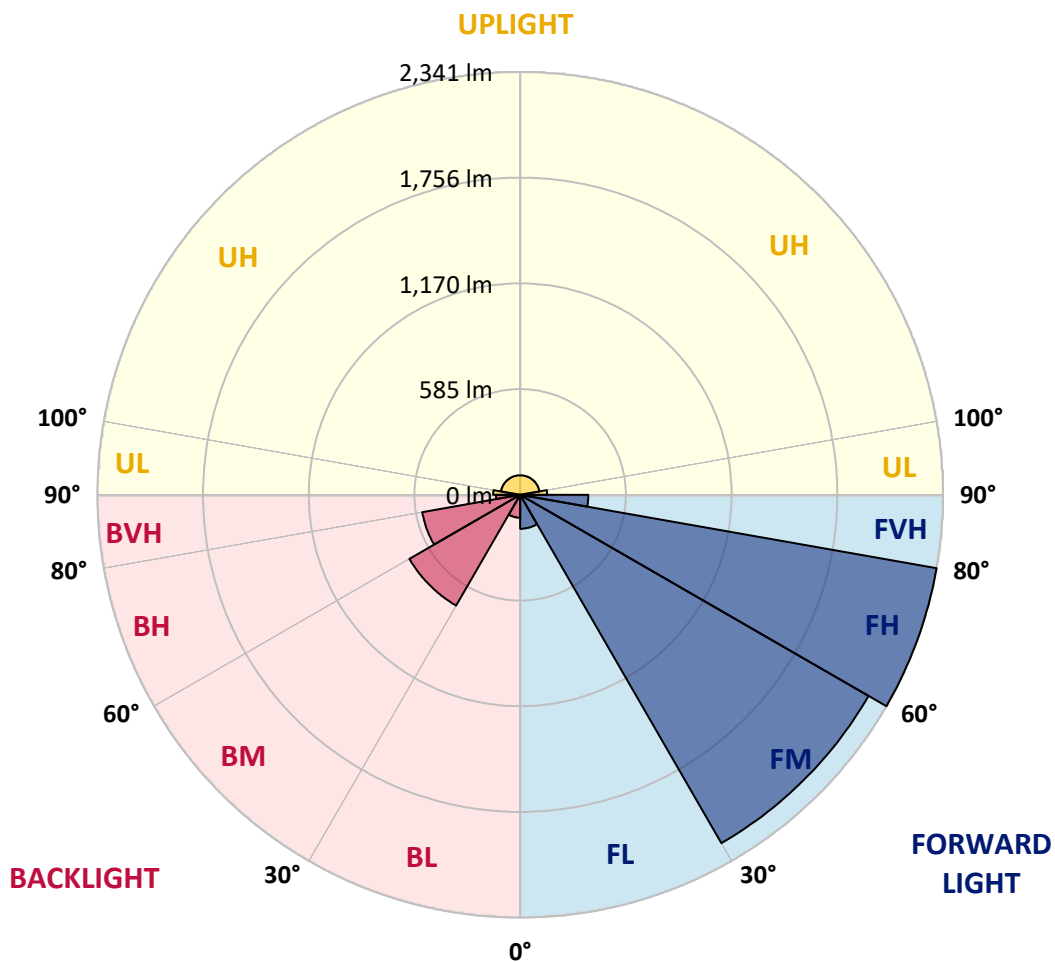
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	187.9	2.7			
FM	(30°-60°)	2226.6	32.3			
FH	(60°-80°)	2340.7	33.9			G2/5000
FVH	(80°-90°)	377.3	5.5			G3/500
BL	(0°-30°)	126.7	1.8	B1/500		
BM	(30°-60°)	708.1	10.3	B1/1000		
BH	(60°-80°)	550.5	8.0	B2/1000		G2/1000
BVH	(80°-90°)	134.1	1.9			G2/225
UL	(90°-100°)	149.3	2.2		U3/500	
UH	(100°-180°)	108.1	1.6		U3/500	

BUG Rating: B2-U3-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	173.6	173.6	173.6	173.6	173.6	173.6	173.6	173.6	173.6	173.6	173.6
2.5°	186.3	185.5	185.5	186.3	184.7	183.1	180.7	178.3	175.9	175.9	174.4
5°	201.3	200.5	200.5	200.5	197.3	195.0	189.4	186.3	183.1	181.5	179.1
7.5°	221.1	218.7	219.5	218.7	214.0	209.2	203.7	197.3	193.4	192.6	187.8
10°	247.3	245.7	244.1	240.9	236.2	228.3	220.3	214.8	209.2	208.4	202.9
12.5°	284.5	282.9	279.8	272.6	262.3	252.8	244.9	238.6	235.4	233.8	228.3
15°	329.7	324.9	323.4	312.3	298.0	286.9	278.2	274.2	271.1	271.1	263.9
17.5°	382.8	382.8	374.9	359.8	341.6	328.1	319.4	312.3	314.6	313.9	309.9
20°	448.6	447.0	435.1	415.3	393.1	380.4	369.3	365.4	368.5	371.7	371.7
22.5°	543.7	539.7	521.5	491.4	458.9	438.3	430.4	429.6	442.2	446.2	451.0
25°	650.7	645.1	622.2	585.7	545.3	513.6	502.5	511.2	534.2	542.9	552.4
27.5°	779.9	776.7	741.8	691.9	643.6	602.3	589.7	616.6	647.5	650.7	669.7
30°	946.3	947.9	900.3	828.2	745.8	703.0	688.7	721.2	767.2	770.4	808.4
32.5°	1138.9	1138.9	1067.6	980.4	874.2	814.0	800.5	852.8	924.9	936.0	972.5
35°	1384.6	1370.3	1279.2	1154.0	1020.8	931.3	929.7	1011.3	1110.4	1121.5	1161.1
37.5°	1604.9	1613.6	1520.9	1357.7	1177.7	1074.7	1088.2	1192.0	1317.2	1320.4	1363.2
40°	1843.5	1853.0	1743.6	1573.2	1352.1	1236.4	1263.3	1360.0	1484.5	1486.8	1501.9
42.5°	2030.5	2055.1	1952.9	1775.3	1551.8	1420.3	1426.6	1517.0	1612.9	1624.7	1635.0
45°	2142.3	2160.5	2104.2	1962.4	1727.8	1604.1	1589.1	1662.8	1788.0	1784.8	1799.9
47.5°	2318.2	2339.6	2253.2	2124.1	1925.9	1773.0	1753.9	1849.8	2003.6	2019.4	2005.2
50°	2500.5	2529.1	2466.4	2315.9	2111.4	1962.4	1964.8	2074.1	2253.2	2258.8	2267.5
52.5°	2628.1	2648.7	2624.2	2519.5	2302.4	2166.9	2188.3	2319.0	2495.0	2505.3	2470.4
55°	2647.9	2679.6	2699.5	2675.7	2511.6	2377.7	2432.4	2563.1	2682.0	2690.7	2663.8
57.5°	2641.6	2667.8	2709.8	2728.0	2645.6	2594.8	2665.4	2799.3	3028.4	3057.7	3044.2
60°	2634.5	2653.5	2740.7	2767.6	2720.9	2761.3	2873.8	3112.4	3238.4	3240.8	3117.9
62.5°	2436.3	2468.0	2632.1	2767.6	2754.9	2831.8	3078.3	3243.9	3343.8	3362.0	3244.7
65°	2237.4	2265.1	2430.0	2620.2	2704.2	2819.9	3110.0	3354.1	3576.0	3592.7	3360.4
67.5°	1949.7	1993.3	2173.2	2402.2	2505.3	2689.9	3026.8	3392.9	3530.9	3538.0	3272.5
70°	1588.3	1647.7	1850.6	2092.4	2216.0	2403.0	2840.5	3254.2	3446.8	3442.9	3126.6
72.5°	1144.5	1197.6	1383.0	1669.9	1863.3	2067.8	2499.7	2978.4	3087.8	3083.8	2659.8
75°	777.5	806.0	945.5	1207.9	1486.0	1726.2	2153.4	2583.7	2676.5	2669.3	2278.6
77.5°	509.6	542.1	632.5	856.8	1115.9	1392.5	1807.8	2162.9	2308.7	2282.6	1931.5
80°	312.3	330.5	405.0	578.6	845.7	1123.8	1494.8	1830.0	1905.3	1867.3	1577.2
82.5°	195.0	209.2	262.3	382.0	607.1	867.9	1226.1	1540.7	1624.7	1581.9	1297.4
85°	119.7	126.8	163.3	251.2	412.1	638.0	985.9	1249.9	1301.4	1270.5	978.0
87.5°	87.2	88.8	111.8	169.6	278.2	456.5	726.0	941.6	978.8	921.7	685.6
90°	64.2	67.4	82.4	119.7	193.4	309.9	500.1	662.6	672.1	637.2	458.1
92.5°	48.3	49.9	61.8	84.8	133.1	211.6	333.7	443.8	435.1	410.5	284.5
95°	34.9	35.7	44.4	60.2	93.5	141.9	212.4	278.2	250.4	240.1	172.8
97.5°	28.5	29.3	35.7	46.8	69.0	99.9	137.1	165.6	147.4	141.1	111.0
100°	24.6	24.6	30.1	38.8	53.9	74.5	91.1	103.8	95.1	91.9	78.5
102.5°	22.2	22.2	26.2	32.5	44.4	58.6	67.4	71.3	66.6	64.2	57.9
105°	19.8	19.8	23.0	27.7	37.3	47.6	51.5	52.3	47.6	46.8	44.4
107.5°	18.2	18.2	20.6	24.6	31.7	39.6	41.2	38.8	36.5	34.9	34.9
110°	15.9	16.6	18.2	21.4	27.7	33.3	33.3	30.1	26.9	26.9	27.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	15.1	15.1	16.6	19.8	24.6	28.5	26.9	23.8	21.4	21.4	23.0
115°	13.5	13.5	15.1	18.2	22.2	24.6	23.0	19.8	17.4	18.2	19.8
117.5°	12.7	12.7	14.3	16.6	19.8	21.4	19.8	16.6	15.1	15.9	18.2
120°	12.7	12.7	14.3	15.9	18.2	19.0	17.4	14.3	13.5	13.5	15.9
122.5°	12.7	12.7	13.5	15.9	17.4	17.4	15.1	12.7	11.9	11.9	14.3
125°	12.7	12.7	14.3	15.9	15.9	15.9	13.5	11.1	10.3	11.1	12.7
127.5°	13.5	13.5	14.3	15.1	15.1	14.3	11.9	10.3	9.5	10.3	11.9
130°	13.5	13.5	14.3	15.1	14.3	12.7	11.1	9.5	9.5	9.5	11.9
132.5°	13.5	13.5	14.3	14.3	13.5	11.1	9.5	7.9	8.7	9.5	11.1
135°	12.7	12.7	12.7	12.7	11.9	10.3	7.9	7.1	7.9	8.7	10.3
137.5°	11.9	11.9	11.9	11.9	10.3	8.7	6.3	5.5	7.1	7.1	8.7
140°	10.3	10.3	11.1	10.3	9.5	7.1	5.5	4.0	5.5	5.5	7.1
142.5°	9.5	9.5	9.5	9.5	7.9	6.3	4.0	4.0	4.8	4.8	5.5
145°	7.9	7.9	8.7	7.9	6.3	4.8	3.2	3.2	4.0	4.0	4.8
147.5°	6.3	7.1	7.1	6.3	5.5	4.0	2.4	2.4	3.2	3.2	4.0
150°	5.5	5.5	5.5	5.5	4.0	2.4	1.6	2.4	3.2	3.2	3.2
152.5°	4.0	4.0	4.8	4.8	3.2	1.6	1.6	2.4	2.4	2.4	3.2
155°	3.2	3.2	4.0	3.2	2.4	0.8	1.6	1.6	2.4	2.4	2.4
157.5°	1.6	1.6	2.4	2.4	1.6	0.8	0.8	1.6	1.6	1.6	2.4
160°	0.8	0.8	2.4	2.4	1.6	0.8	0.8	0.8	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°	173.6	173.6	173.6	173.6	173.6	173.6	173.6	173.6	173.6	173.6	173.6
2.5°	173.6	172.0	171.2	169.6	168.0	166.4	166.4	166.4	165.6	164.9	165.6
5°	176.7	175.9	172.0	168.8	165.6	164.1	162.5	161.7	161.7	160.1	160.1
7.5°	185.5	182.3	176.7	171.2	168.0	164.9	162.5	161.7	160.9	159.3	159.3
10°	198.9	195.0	188.6	179.9	174.4	168.8	166.4	166.4	165.6	164.9	164.9
12.5°	224.3	219.5	208.4	196.6	185.5	177.5	175.9	178.3	183.1	183.9	183.9
15°	261.5	256.0	241.7	222.7	205.3	194.2	195.8	202.1	208.4	210.8	210.8
17.5°	307.5	301.2	280.6	252.8	229.8	219.5	218.7	227.5	236.2	240.9	240.9
20°	369.3	359.0	332.1	292.5	260.8	248.9	244.1	252.0	265.5	271.1	269.5
22.5°	446.2	434.3	396.3	336.0	296.4	275.0	268.7	277.4	294.0	301.2	300.4
25°	547.7	535.8	474.0	390.7	331.3	298.0	294.0	306.7	331.3	345.6	344.0
27.5°	665.7	645.9	563.5	451.8	365.4	317.0	317.8	339.2	364.6	380.4	378.8
30°	791.8	766.4	653.9	510.4	397.1	338.4	336.8	362.2	388.4	405.0	405.0
32.5°	958.2	921.0	758.5	566.7	421.6	355.1	349.5	378.1	405.0	422.4	421.6
35°	1136.5	1086.6	867.9	626.1	442.2	363.8	357.4	386.8	414.5	435.1	435.1
37.5°	1341.0	1256.2	970.1	667.3	456.5	368.5	359.8	393.1	427.2	448.6	447.0
40°	1448.8	1353.7	1019.2	685.6	458.9	369.3	363.8	398.7	427.2	435.1	431.2
42.5°	1569.3	1446.4	1039.8	663.4	450.2	367.7	366.2	393.1	405.8	403.4	401.0
45°	1721.4	1555.8	1059.7	635.6	429.6	365.4	362.2	378.1	378.8	369.3	366.2
47.5°	1915.6	1706.4	1092.1	602.3	409.0	359.8	355.9	363.0	349.5	332.1	326.5
50°	2124.1	1880.7	1132.6	573.8	389.9	352.7	348.7	346.3	332.9	315.4	312.3
52.5°	2305.6	1998.8	1143.7	543.7	377.3	347.9	343.2	340.8	328.1	308.3	304.3
55°	2468.0	2099.5	1104.8	498.5	367.0	344.8	343.2	343.2	329.7	309.1	305.1
57.5°	2789.0	2340.4	1119.1	452.6	353.5	344.0	346.3	347.1	334.5	314.6	310.7
60°	2798.5	2294.5	1035.9	420.1	341.6	344.0	349.5	351.1	342.4	328.9	326.5
62.5°	2889.7	2296.0	924.1	378.1	333.7	342.4	351.9	357.4	358.2	350.3	348.7
65°	2923.0	2262.8	843.3	344.8	322.6	338.4	352.7	366.2	370.9	367.0	365.4
67.5°	2795.4	2109.8	733.1	322.6	311.5	332.1	351.9	368.5	378.8	381.2	381.2
70°	2627.3	1937.8	634.8	301.2	299.6	323.4	346.3	368.5	382.8	389.1	389.1
72.5°	2200.9	1591.5	523.9	279.0	283.7	309.9	334.5	361.4	377.3	382.8	380.4
75°	1841.1	1310.1	431.2	260.0	267.9	293.2	317.8	344.0	355.1	358.2	355.9
77.5°	1557.4	1089.8	354.3	242.5	248.9	271.8	294.0	312.3	319.4	317.8	313.9
80°	1255.4	850.4	290.9	221.1	227.5	245.7	261.5	275.8	282.9	279.0	276.6
82.5°	999.4	676.1	248.1	202.1	204.5	219.5	230.6	241.7	253.6	250.4	244.1
85°	739.5	497.7	210.8	181.5	181.5	192.6	198.1	208.4	225.1	224.3	221.9
87.5°	505.7	354.3	179.1	160.9	160.1	166.4	169.6	180.7	202.1	202.9	200.5
90°	332.9	242.5	149.8	139.5	137.9	142.7	145.0	154.5	172.0	173.6	170.4
92.5°	216.4	168.0	122.8	118.1	117.3	121.3	120.5	126.8	138.7	137.9	135.5
95°	138.7	117.3	99.9	97.5	95.1	99.9	98.3	99.9	106.2	104.6	104.6
97.5°	95.9	89.6	82.4	78.5	76.9	81.6	80.0	80.0	83.2	80.0	78.5
100°	73.7	71.3	68.2	65.0	61.8	65.8	65.8	65.8	68.2	63.4	61.8
102.5°	57.1	56.3	56.3	53.9	51.5	54.7	55.5	56.3	55.5	50.7	49.9
105°	45.2	45.2	46.8	44.4	43.6	46.0	46.8	46.0	46.0	42.0	42.0
107.5°	35.7	37.3	38.8	37.3	37.3	38.8	38.8	38.8	37.3	34.9	35.7
110°	29.3	30.9	33.3	31.7	31.7	33.3	32.5	31.7	30.9	30.1	30.1



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CATALOG NUMBER: LXF.LXT-PA1-90-827-U-T3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	25.4	26.2	27.7	26.9	27.7	28.5	27.7	26.2	26.2	26.2	26.9
115°	21.4	23.0	24.6	23.8	23.8	24.6	23.0	22.2	22.2	23.0	23.0
117.5°	19.0	20.6	21.4	21.4	20.6	21.4	19.8	19.0	19.8	20.6	20.6
120°	17.4	18.2	19.0	19.0	18.2	18.2	17.4	16.6	17.4	18.2	19.0
122.5°	15.9	16.6	16.6	17.4	16.6	15.9	15.1	15.1	15.9	16.6	16.6
125°	14.3	15.1	15.1	15.1	15.1	14.3	13.5	13.5	14.3	15.1	15.9
127.5°	12.7	13.5	13.5	14.3	13.5	12.7	11.9	12.7	13.5	14.3	14.3
130°	12.7	12.7	12.7	12.7	11.9	11.1	11.1	11.1	12.7	13.5	13.5
132.5°	11.9	12.7	11.9	11.9	11.1	9.5	9.5	10.3	11.9	12.7	12.7
135°	11.1	11.1	10.3	10.3	9.5	8.7	7.9	9.5	10.3	11.1	11.1
137.5°	9.5	9.5	8.7	7.9	7.9	7.1	7.1	7.9	9.5	10.3	10.3
140°	7.1	7.9	7.1	6.3	6.3	5.5	6.3	7.1	8.7	8.7	8.7
142.5°	5.5	6.3	5.5	4.8	4.8	4.8	4.8	6.3	7.9	7.9	7.9
145°	4.8	4.8	4.8	4.0	3.2	3.2	4.0	5.5	7.1	7.1	7.1
147.5°	4.0	4.0	4.0	3.2	2.4	2.4	3.2	4.8	5.5	5.5	5.5
150°	3.2	3.2	3.2	3.2	2.4	1.6	2.4	4.0	4.8	4.8	4.8
152.5°	3.2	3.2	3.2	2.4	1.6	0.8	1.6	3.2	4.0	4.0	4.0
155°	2.4	2.4	2.4	2.4	1.6	0.8	0.8	2.4	3.2	3.2	3.2
157.5°	2.4	2.4	2.4	1.6	0.8	0.0	0.8	2.4	3.2	2.4	2.4
160°	1.6	1.6	1.6	1.6	0.8	0.0	0.8	1.6	2.4	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

(END OF REPORT)