

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: P255286

Luminaire Tested: **LXF.LXT-AF24-60-D-U-T2U-TL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P255286
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-AF24-60-D-U-T2U-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 800mA 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: 6428.2 lumens
Efficiency: N/A
Efficacy: 100.4 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: B2 - U3 - G2

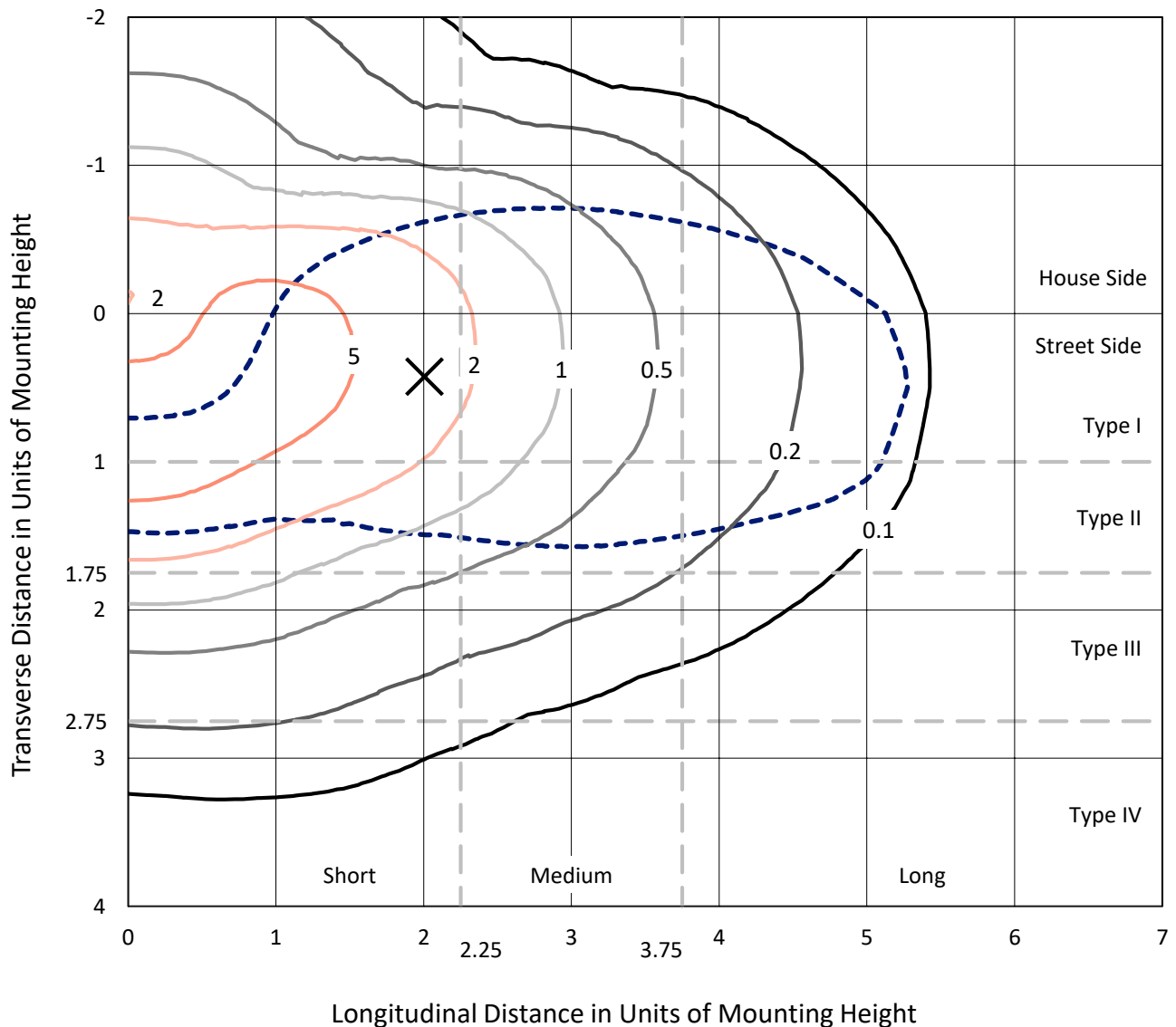
Input Watts (W): 64
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

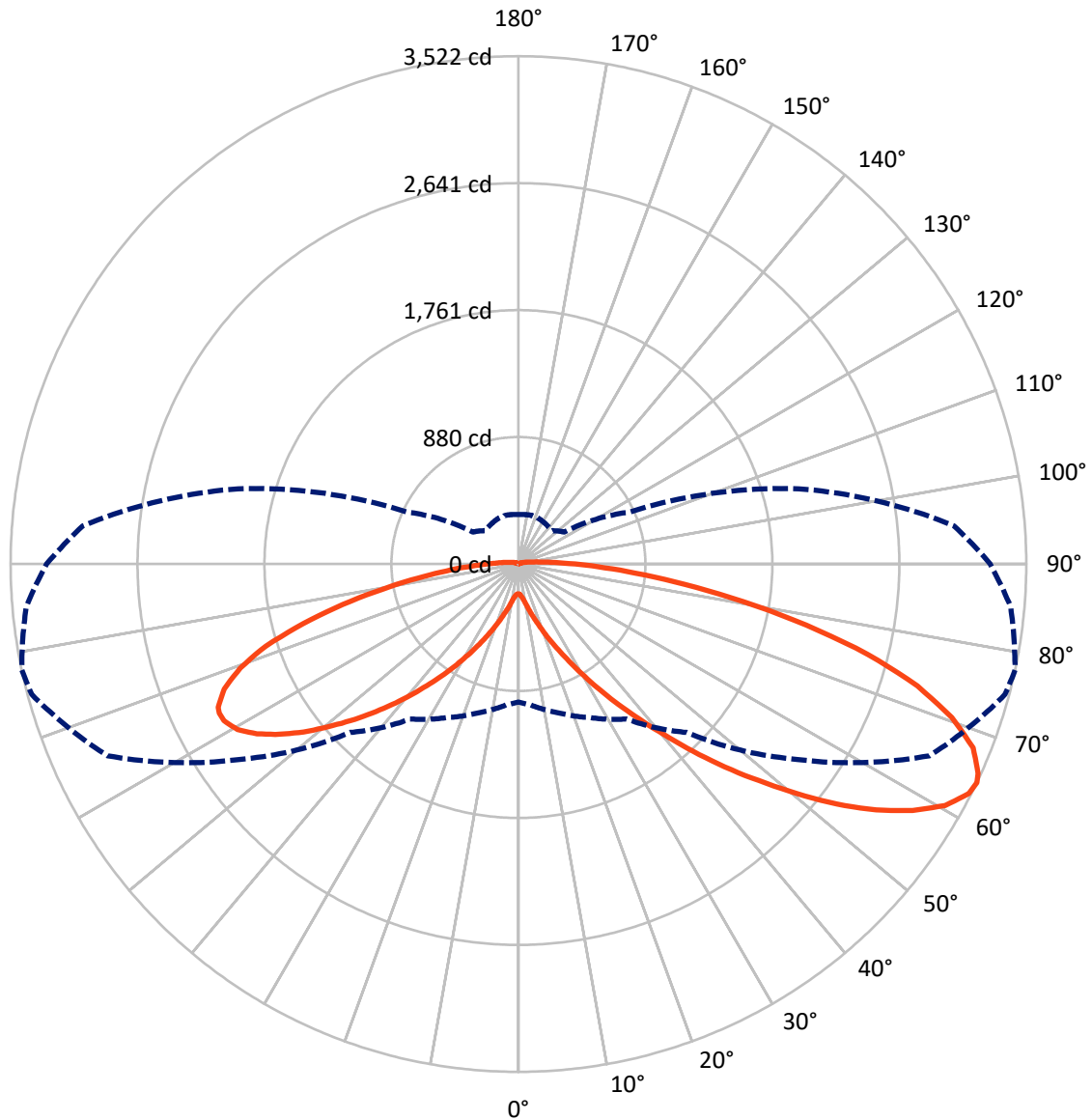
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.7 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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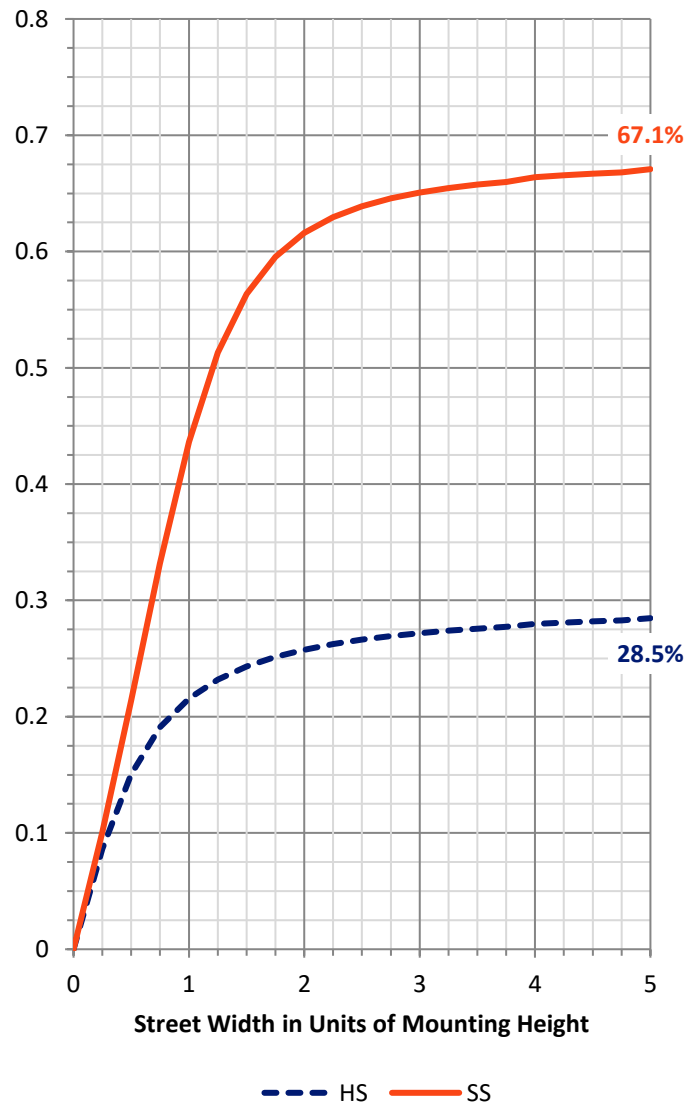
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1887.5	86.9	1974.4
	% Fixture	29.4	1.4	30.7
Street Side	Lumens	4371.5	82.4	4453.8
	% Fixture	68.0	1.3	69.3
Total	Lumens	6258.9	169.3	6428.2
	% Fixture	97.4	2.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.6	0.4
10°-20°	104.2	1.6
20°-30°	290.5	4.5
30°-40°	631.2	9.8
40°-50°	1090.1	17.0
50°-60°	1443.2	22.5
60°-70°	1408.0	21.9
70°-80°	915.1	14.2
80°-90°	354.1	5.5
90°-100°	102.2	1.6
100°-110°	38.9	0.6
110°-120°	16.9	0.3
120°-130°	7.4	0.1
130°-140°	3.0	0.0
140°-150°	0.8	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6258.9	97.4
0°-180°	6428.2	100.0

Coefficient of Utilization



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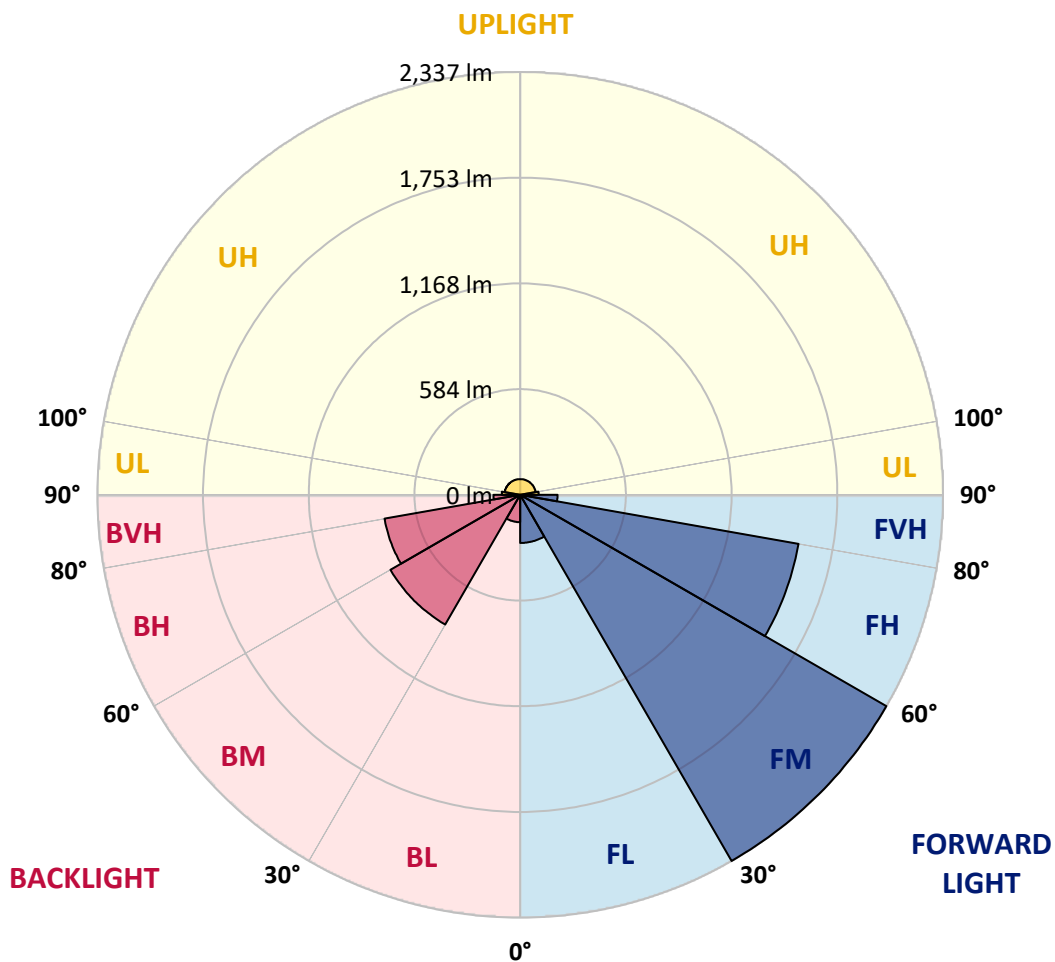
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	266.1	4.1			
FM	(30°-60°)	2336.8	36.4			
FH	(60°-80°)	1562.0	24.3			G1/1800
FVH	(80°-90°)	206.5	3.2			G2/225
BL	(0°-30°)	151.2	2.4	B1/500		
BM	(30°-60°)	827.6	12.9	B1/1000		
BH	(60°-80°)	761.1	11.8	B2/1000		G2/1000
BVH	(80°-90°)	147.6	2.3			G2/225
UL	(90°-100°)	102.2	1.6		U3/500	
UH	(100°-180°)	86.9	1.4		U3/500	

BUG Rating: B2-U3-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	207.1	207.1	207.1	207.1	207.1	207.1	207.1	207.1	207.1	207.1	207.1
2.5°	224.0	223.2	223.2	224.0	221.7	221.0	218.6	215.5	213.3	212.6	210.2
5°	248.5	246.9	245.4	246.1	243.9	240.1	236.2	231.6	227.8	226.3	222.5
7.5°	277.5	279.1	276.0	274.5	271.4	267.6	260.6	255.3	250.0	247.7	243.9
10°	323.4	324.2	318.8	319.6	310.4	305.8	298.9	289.7	283.7	279.8	274.5
12.5°	386.1	385.2	379.2	376.9	365.4	357.0	346.3	335.6	329.5	324.9	315.7
15°	462.5	460.9	457.2	448.0	430.4	419.7	406.7	390.7	382.3	376.1	366.2
17.5°	552.7	553.4	545.8	533.6	509.9	494.6	475.5	454.1	441.8	433.4	422.8
20°	665.1	665.8	652.1	634.5	604.0	582.5	550.4	530.5	511.4	506.9	490.0
22.5°	798.8	798.1	777.4	754.5	713.2	681.1	646.0	613.9	591.7	585.5	567.2
25°	950.9	949.5	924.2	899.8	837.8	795.8	749.9	710.1	688.0	675.8	655.1
27.5°	1129.8	1126.8	1093.1	1058.0	979.3	917.4	861.5	824.1	796.6	780.5	757.6
30°	1322.5	1319.4	1278.9	1221.6	1136.7	1065.6	992.3	948.7	917.4	905.1	873.8
32.5°	1530.4	1524.3	1476.9	1407.4	1307.2	1217.0	1142.8	1093.1	1055.0	1042.7	1002.2
35°	1741.5	1733.0	1682.5	1601.5	1486.1	1387.5	1311.8	1259.9	1212.4	1196.3	1147.4
37.5°	1944.0	1932.6	1892.8	1790.4	1673.4	1581.7	1496.8	1431.8	1379.9	1365.3	1301.1
40°	2104.5	2097.7	2060.9	1962.3	1850.7	1758.2	1693.3	1641.3	1575.5	1553.4	1484.6
42.5°	2226.9	2220.0	2191.7	2109.9	2010.5	1947.1	1892.8	1855.3	1798.8	1775.0	1677.9
45°	2290.3	2280.4	2268.2	2209.3	2141.2	2109.9	2103.0	2089.3	2034.2	2006.7	1893.6
47.5°	2275.8	2271.2	2282.7	2246.7	2220.0	2247.5	2306.3	2333.9	2270.4	2245.2	2126.0
50°	2184.1	2190.1	2219.2	2216.1	2242.1	2335.4	2483.7	2574.7	2535.0	2501.3	2371.3
52.5°	2030.4	2038.8	2090.8	2119.0	2194.0	2370.6	2621.3	2801.8	2805.5	2766.6	2619.8
55°	1828.6	1846.9	1910.4	1965.4	2086.2	2330.1	2702.3	2992.8	3050.1	3010.4	2854.4
57.5°	1589.3	1616.1	1685.6	1776.6	1917.2	2219.2	2718.4	3135.8	3257.4	3224.4	3075.4
60°	1340.1	1359.2	1445.6	1548.0	1688.7	2049.5	2651.9	3210.7	3420.1	3399.6	3277.9
62.5°	1095.5	1116.9	1205.5	1318.0	1455.6	1808.7	2493.6	3205.4	3495.8	3505.8	3398.0
64°	957.1	980.8	1068.0	1174.2	1311.8	1652.0	2362.2	3145.8	3494.3	3521.8	3427.1
65°	870.7	894.4	980.0	1085.6	1220.1	1543.4	2263.6	3088.4	3479.8	3502.8	3427.8
67.5°	680.4	699.5	780.5	889.0	996.9	1272.0	1950.9	2862.1	3362.0	3400.3	3356.7
70°	522.9	541.2	615.4	715.6	805.8	1034.3	1611.5	2531.1	3135.0	3188.5	3167.9
72.5°	402.1	417.4	483.1	570.3	643.6	818.0	1287.4	2139.7	2806.4	2893.5	2897.3
75°	310.4	322.6	376.9	452.6	510.7	636.1	1003.0	1718.5	2387.4	2502.9	2529.6
77.5°	242.3	250.0	293.6	355.5	402.8	486.2	754.5	1322.5	1926.4	2041.1	2088.5
80°	190.4	196.5	230.1	279.1	316.5	365.4	552.7	978.6	1476.9	1580.9	1626.0
82.5°	147.5	152.9	179.6	219.4	248.5	280.6	395.3	697.1	1074.8	1160.4	1197.2
85°	112.4	116.2	139.1	169.0	192.6	215.5	276.0	476.3	748.4	813.3	838.6
87.5°	83.4	86.3	105.5	129.9	147.5	165.1	201.0	315.0	503.0	549.6	567.9
90°	60.4	62.7	77.9	98.6	113.9	126.9	146.0	208.7	323.4	354.7	368.5
92.5°	42.8	45.1	57.3	74.2	88.7	99.3	112.4	145.3	207.1	224.0	234.7
95°	31.3	32.8	42.0	55.9	68.8	78.8	89.4	105.5	136.9	146.0	149.9
97.5°	23.7	24.4	32.1	42.8	54.3	62.7	70.4	80.3	96.4	100.9	103.2
100°	18.3	19.1	25.3	34.4	43.6	51.2	56.6	62.7	71.1	74.2	75.7
102.5°	15.2	16.1	20.7	28.3	35.9	42.0	46.6	50.4	54.3	55.9	58.1
105°	13.8	13.8	18.3	24.4	30.6	35.9	39.8	41.3	42.0	42.8	43.6
107.5°	11.5	12.3	16.1	21.4	26.8	31.3	33.7	33.7	32.1	32.1	32.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
110°	10.7	10.7	13.8	18.3	23.7	26.8	28.3	26.8	23.7	23.7	24.4
112.5°	9.2	9.9	12.3	16.1	20.7	23.7	23.7	21.4	17.6	17.6	18.3
115°	8.4	8.4	10.7	14.5	17.6	19.8	19.8	17.6	13.0	13.0	13.8
117.5°	7.7	7.7	9.2	12.3	15.2	17.6	16.8	13.8	9.9	9.9	11.5
120°	7.7	7.7	8.4	10.7	13.0	14.5	13.8	10.7	7.7	7.7	9.2
122.5°	6.9	6.9	7.7	9.2	11.5	12.3	11.5	8.4	6.1	6.9	7.7
125°	6.9	6.9	6.9	8.4	9.9	10.7	9.9	6.9	5.3	5.3	6.1
127.5°	6.1	6.1	6.1	6.9	8.4	9.2	7.7	5.3	4.6	4.6	5.3
130°	6.1	6.1	5.3	6.1	7.7	7.7	6.1	3.8	3.1	3.8	4.6
132.5°	5.3	5.3	5.3	5.3	6.1	6.1	5.3	3.1	3.1	3.1	3.8
135°	5.3	5.3	4.6	4.6	5.3	5.3	3.8	2.3	2.3	2.3	3.1
137.5°	4.6	4.6	4.6	3.8	3.8	3.8	3.1	1.5	1.5	2.3	2.3
140°	3.8	3.8	3.8	3.1	3.1	2.3	1.5	0.7	1.5	1.5	2.3
142.5°	3.1	3.1	3.1	2.3	2.3	1.5	0.7	0.7	0.7	1.5	1.5
145°	2.3	2.3	2.3	1.5	1.5	0.7	0.7	0.7	0.7	0.7	1.5
147.5°	1.5	1.5	1.5	0.7	0.0	0.0	0.0	0.0	0.7	0.7	0.7
150°	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
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°	207.1	207.1	207.1	207.1	207.1	207.1	207.1	207.1	207.1	207.1	207.1
2.5°	209.5	208.7	206.4	204.9	203.4	201.8	201.8	200.3	199.5	198.8	198.8
5°	221.7	218.6	214.8	211.8	208.0	204.1	201.0	198.8	197.2	196.5	195.7
7.5°	240.1	236.2	229.3	224.0	217.1	211.8	207.1	202.5	201.0	199.5	199.5
10°	270.6	263.7	253.8	243.9	234.7	225.6	220.1	214.0	212.6	211.0	211.0
12.5°	311.2	304.2	288.2	274.5	259.9	247.7	239.3	233.9	232.4	230.1	230.9
15°	359.3	347.1	329.5	309.6	291.2	274.5	264.5	256.0	252.3	250.0	250.7
17.5°	413.6	399.8	374.6	348.6	324.9	306.6	289.7	277.5	271.4	269.1	269.1
20°	476.3	460.9	428.8	393.7	363.1	337.2	315.7	297.4	289.7	286.6	286.6
22.5°	550.4	531.3	486.9	441.8	403.7	365.4	337.2	315.0	305.8	302.7	302.7
25°	636.1	610.8	554.2	498.4	441.1	389.8	353.9	330.2	319.6	315.7	315.7
27.5°	725.5	701.7	628.4	557.3	478.5	409.8	366.9	340.9	328.7	326.4	325.7
30°	838.6	805.0	710.1	613.1	510.7	423.5	372.3	347.1	334.8	332.6	332.6
32.5°	957.1	917.4	802.7	671.2	535.1	429.6	373.1	349.3	338.7	336.3	335.6
35°	1096.2	1045.0	899.0	730.8	557.3	431.9	372.3	350.9	342.5	339.4	338.7
37.5°	1247.6	1182.6	1000.7	785.8	568.8	428.1	370.0	350.2	344.0	340.2	339.4
40°	1411.2	1336.3	1116.9	830.2	570.3	420.4	365.4	350.9	344.7	340.2	338.7
42.5°	1593.9	1503.6	1229.3	870.7	565.7	411.3	362.3	350.9	345.6	340.2	338.7
45°	1797.2	1687.2	1347.0	902.0	553.4	400.6	359.3	350.9	346.3	339.4	338.7
47.5°	2014.3	1883.7	1467.7	926.5	538.2	389.8	357.7	352.4	348.6	340.2	339.4
50°	2241.4	2090.8	1584.8	942.5	519.9	379.9	356.2	352.4	350.2	340.9	340.2
52.5°	2486.0	2310.2	1711.6	950.9	498.4	370.0	354.7	353.9	351.7	343.2	341.7
55°	2713.8	2521.2	1824.7	950.9	476.3	360.8	353.2	354.7	353.9	345.6	344.0
57.5°	2926.4	2715.3	1924.2	939.5	452.6	351.7	350.2	353.9	354.7	347.1	345.6
60°	3109.8	2885.0	1994.4	921.2	428.1	342.5	346.3	352.4	354.7	347.8	346.3
62.5°	3233.6	3002.8	2018.2	882.2	402.1	332.6	339.4	347.8	352.4	346.3	344.7
64°	3271.9	3032.6	2012.9	853.1	386.1	326.4	334.8	344.7	349.3	344.7	343.2
65°	3282.5	3037.1	1993.7	828.7	376.1	321.8	331.0	341.7	347.1	342.5	340.9
67.5°	3218.4	2957.7	1899.7	756.1	352.4	309.6	320.3	331.0	337.9	335.6	334.1
70°	3054.7	2789.5	1744.5	676.6	328.0	295.1	305.8	317.2	325.7	324.2	323.4
72.5°	2784.9	2524.2	1548.7	583.3	303.5	279.1	286.6	299.6	308.1	307.3	305.8
75°	2427.9	2174.9	1279.7	498.4	276.7	258.4	266.1	277.5	285.9	284.4	284.4
77.5°	2010.5	1768.2	1027.5	412.0	252.3	236.2	243.1	252.3	259.9	257.6	256.9
80°	1566.3	1360.7	785.1	335.6	226.3	212.6	217.1	224.0	230.9	227.8	227.0
82.5°	1151.2	995.3	578.7	269.1	200.3	185.8	189.6	195.7	199.5	196.5	195.7
85°	807.3	695.6	418.9	214.0	172.0	159.8	160.5	163.6	166.6	162.0	161.3
87.5°	544.3	466.4	290.5	169.7	145.3	134.5	133.8	135.3	137.6	133.0	130.7
90°	357.0	304.2	198.8	137.6	121.5	112.4	110.9	110.9	111.6	106.3	104.8
92.5°	226.3	197.2	144.4	112.4	101.7	93.3	90.9	90.2	89.4	84.1	83.4
95°	147.5	135.3	110.9	93.3	84.1	77.2	74.9	73.3	71.8	68.0	66.5
97.5°	103.9	97.9	87.9	77.2	70.4	64.2	61.9	59.6	58.1	53.5	52.8
100°	77.9	75.7	71.1	64.2	58.8	53.5	51.2	48.9	47.4	42.8	42.0
102.5°	60.4	60.4	58.1	53.5	48.9	44.3	42.8	40.5	38.3	35.2	34.4
105°	46.6	46.6	47.4	45.1	41.3	38.3	35.9	34.4	32.1	28.3	28.3
107.5°	35.2	36.7	38.3	37.4	35.2	32.1	30.6	29.1	26.0	23.7	23.7



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CATALOG NUMBER: LXF.LXT-AF24-60-D-U-T2U-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	26.8	27.5	30.6	31.3	29.8	27.5	26.0	23.7	21.4	19.1	19.1
112.5°	19.8	21.4	24.4	26.0	25.3	23.7	22.2	19.8	16.8	16.1	16.1
115°	15.2	16.8	19.8	21.4	21.4	19.8	18.3	16.1	13.8	13.0	13.8
117.5°	12.3	13.8	16.1	17.6	17.6	16.1	15.2	13.0	11.5	11.5	11.5
120°	9.9	11.5	13.0	14.5	14.5	13.8	12.3	10.7	9.2	9.9	9.9
122.5°	8.4	9.2	10.7	11.5	12.3	11.5	9.9	8.4	7.7	8.4	8.4
125°	6.9	7.7	9.2	9.2	9.9	9.2	8.4	6.9	6.1	6.9	6.9
127.5°	6.1	6.9	7.7	7.7	8.4	7.7	6.9	5.3	5.3	6.1	6.1
130°	4.6	5.3	6.1	6.1	6.9	6.1	5.3	4.6	4.6	5.3	5.3
132.5°	3.8	4.6	4.6	5.3	5.3	5.3	4.6	3.1	3.8	3.8	3.8
135°	3.8	3.8	4.6	3.8	3.8	3.8	3.1	2.3	3.1	3.1	3.1
137.5°	3.1	3.1	3.8	3.8	3.1	3.1	2.3	1.5	2.3	3.1	3.1
140°	2.3	3.1	3.1	3.1	3.1	2.3	1.5	0.7	1.5	1.5	1.5
142.5°	2.3	2.3	3.1	3.1	2.3	1.5	0.7	0.0	0.7	0.7	0.7
145°	1.5	2.3	2.3	2.3	1.5	1.5	0.7	0.0	0.0	0.7	0.0
147.5°	1.5	1.5	2.3	1.5	1.5	0.7	0.0	0.0	0.0	0.0	0.0
150°	0.7	1.5	1.5	1.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.7	0.7	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)