

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: P254964

Luminaire Tested: **LXF.LXT-AF24-80-D-U-SL3-FL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254964
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-31)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-80-D-U-SL3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7409.2 lumens
Efficiency: N/A
Efficacy: 89.3 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: B2 - U3 - G4

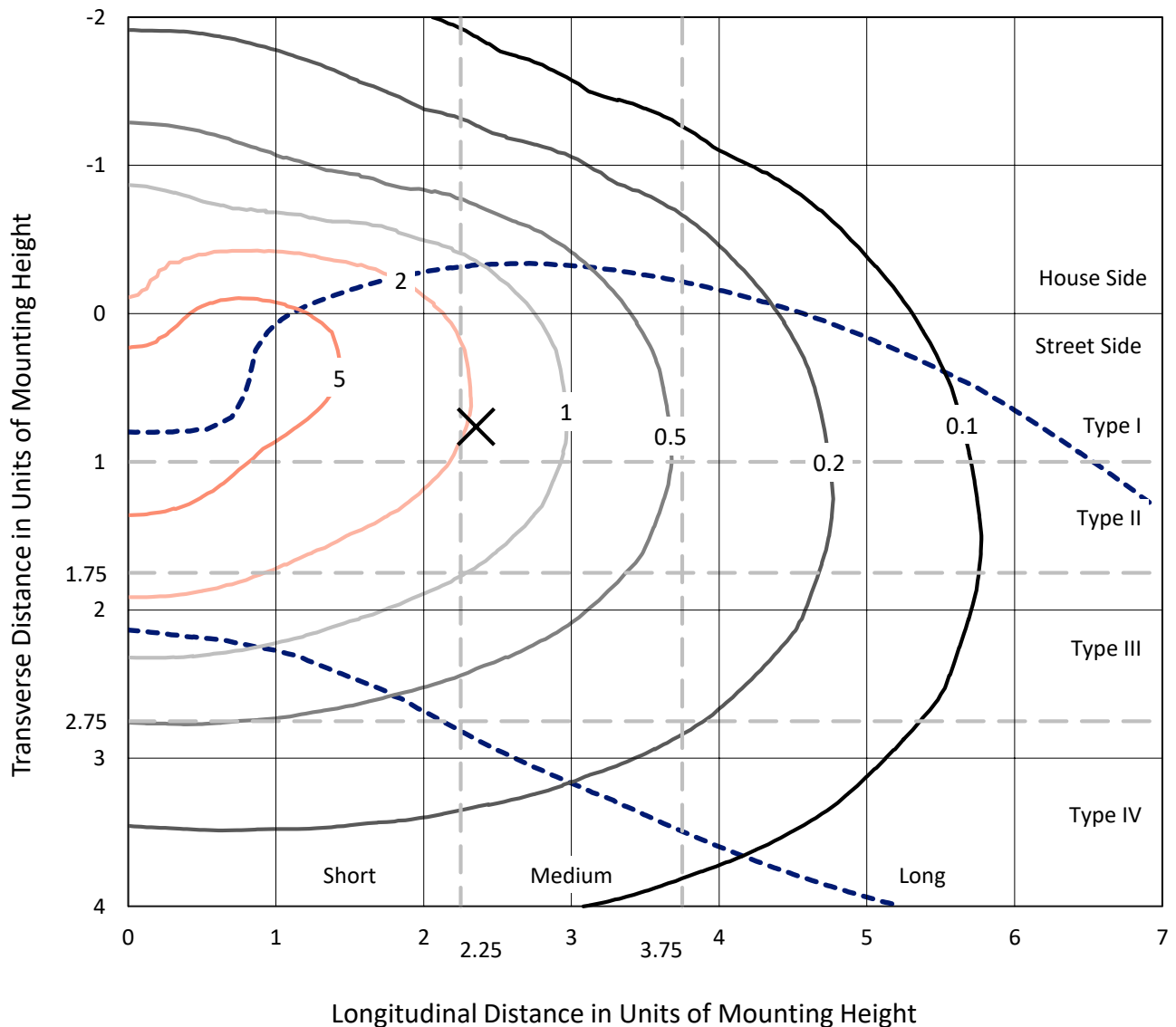
Input Watts (W): 83
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

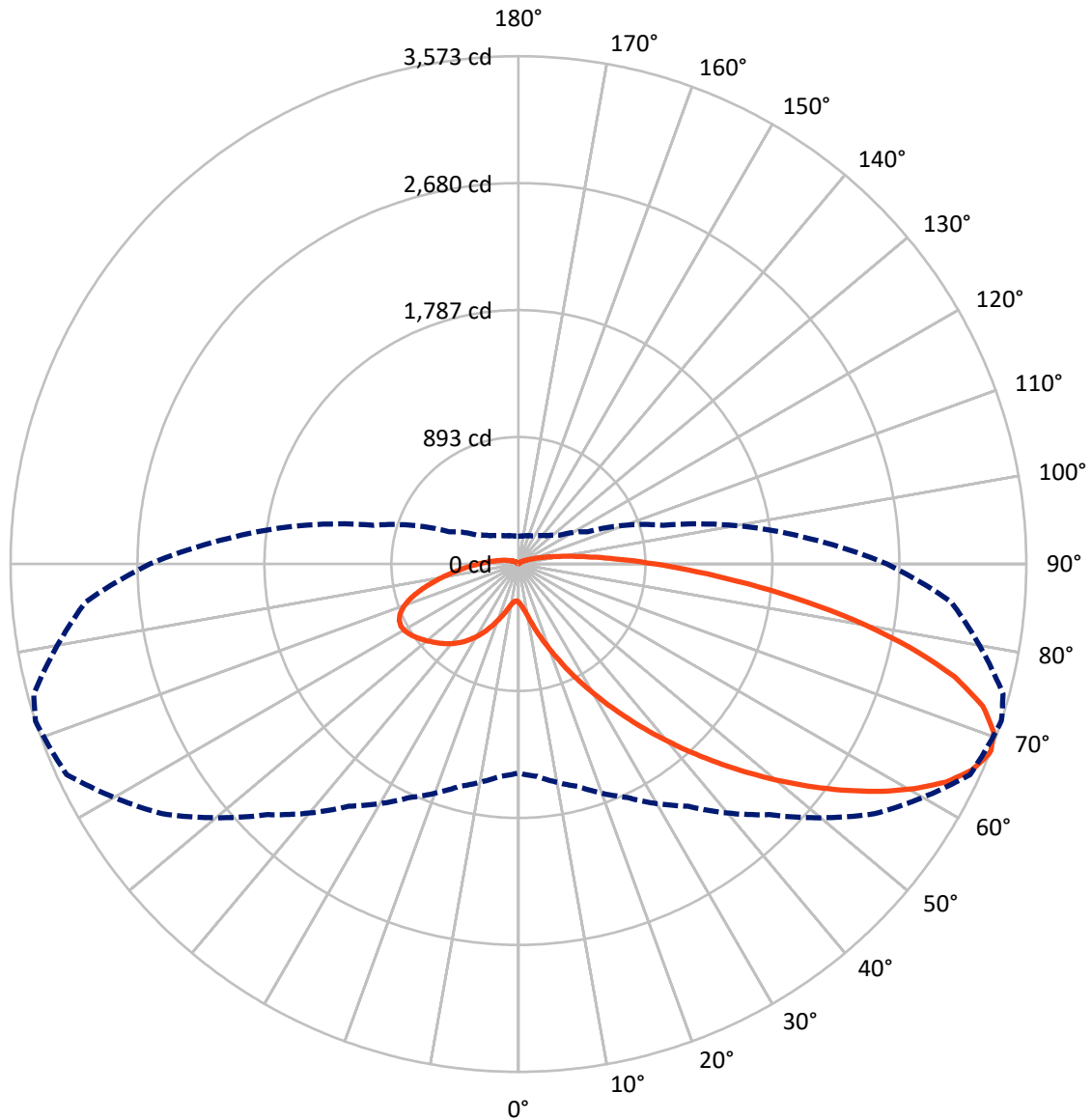


Based on 10 foot mounting height. Maximum calculated value = 8.6 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical



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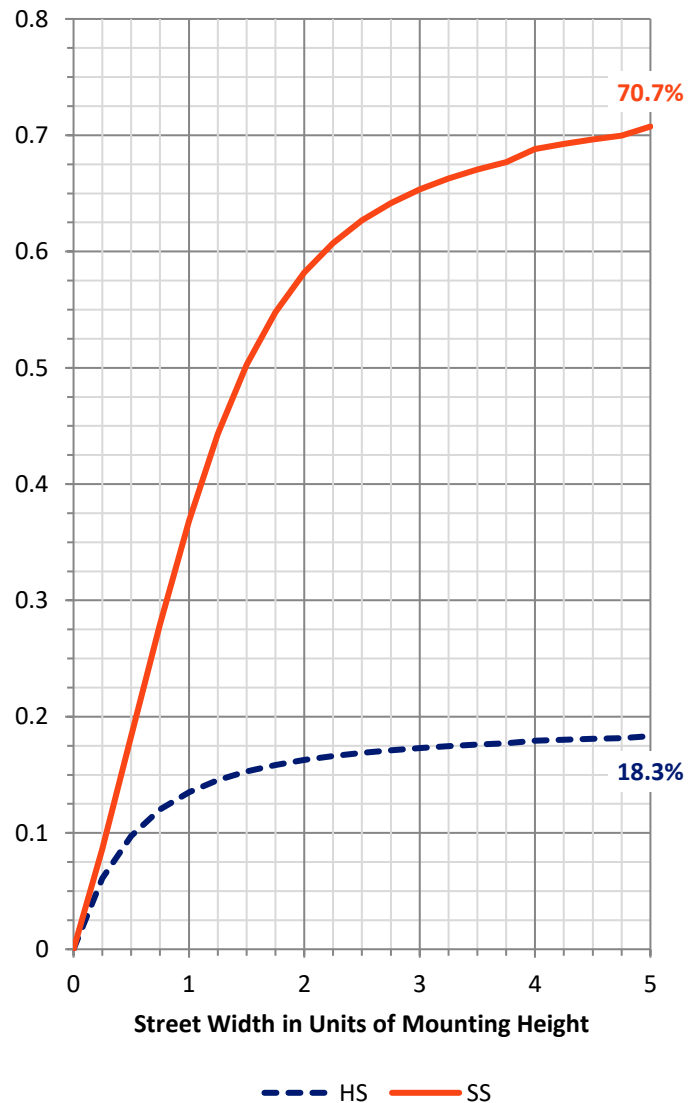
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1423.9	169.6	1593.5
	% Fixture	19.2	2.3	21.5
Street Side	Lumens	5466.0	349.7	5815.7
	% Fixture	73.8	4.7	78.5
Total	Lumens	6890.0	519.3	7409.2
	% Fixture	93.0	7.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.3	0.4
10°-20°	117.7	1.6
20°-30°	290.9	3.9
30°-40°	569.2	7.7
40°-50°	948.5	12.8
50°-60°	1351.1	18.2
60°-70°	1565.3	21.1
70°-80°	1307.2	17.6
80°-90°	711.7	9.6
90°-100°	298.7	4.0
100°-110°	124.4	1.7
110°-120°	56.1	0.8
120°-130°	26.2	0.4
130°-140°	10.9	0.1
140°-150°	2.7	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6890.0	93.0
0°-180°	7409.2	100.0



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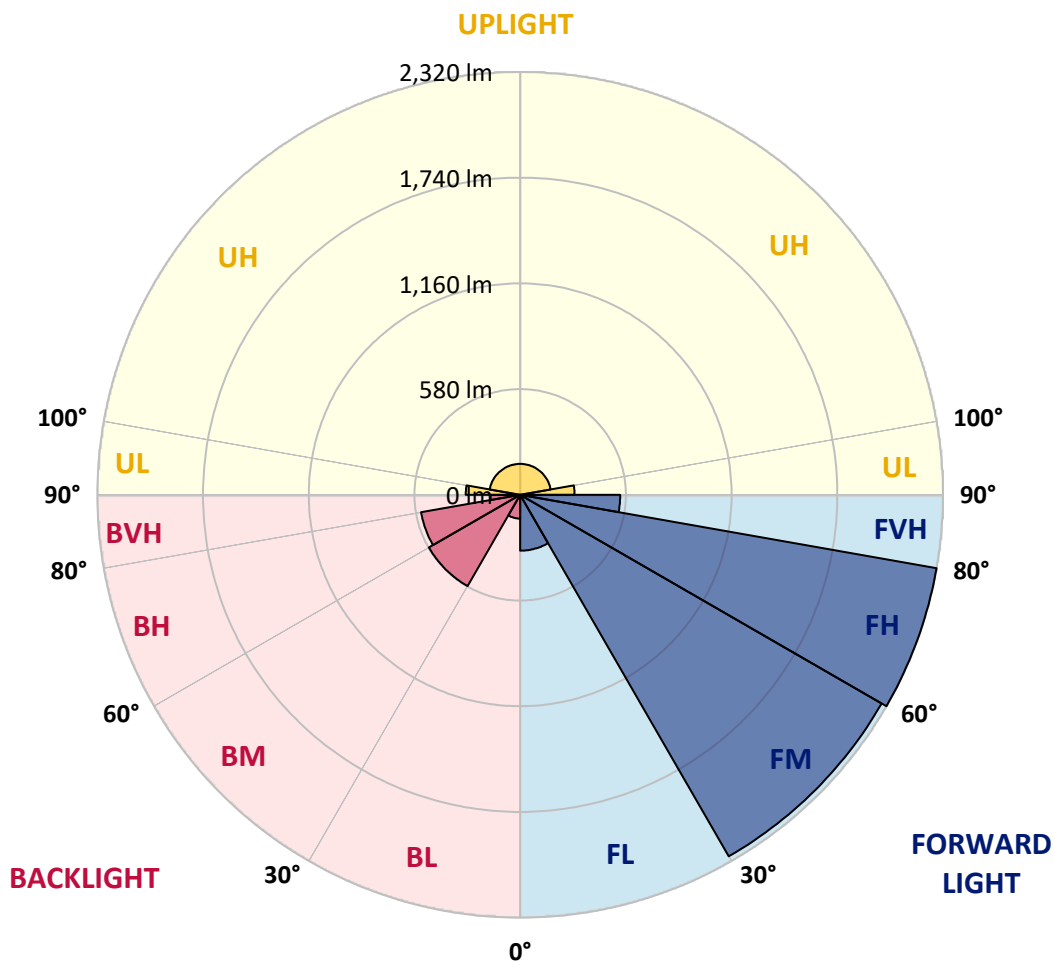
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	306.5	4.1			
FM	(30°-60°)	2290.5	30.9			
FH	(60°-80°)	2320.4	31.3			G2/5000
FVH	(80°-90°)	548.6	7.4			G4/750
BL	(0°-30°)	130.4	1.8	B1/500		
BM	(30°-60°)	578.3	7.8	B1/1000		
BH	(60°-80°)	552.2	7.5	B2/1000		G2/1000
BVH	(80°-90°)	163.0	2.2			G2/225
UL	(90°-100°)	298.7	4.0		U3/500	
UH	(100°-180°)	169.6	2.3		U3/500	

BUG Rating: B2-U3-G4

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	268.9	268.9	268.9	268.9	268.9	268.9	268.9	268.9	268.9	268.9	268.9
2.5°	308.3	308.3	309.2	306.5	303.6	300.8	294.2	288.7	284.0	281.1	275.5
5°	350.5	351.4	349.5	346.7	342.1	335.5	326.1	314.9	305.5	303.6	290.5
7.5°	400.2	400.2	398.2	393.6	388.0	378.6	364.6	349.5	336.4	333.6	313.9
10°	457.3	457.3	456.3	448.9	440.5	429.2	412.4	396.4	378.6	373.0	346.7
12.5°	524.8	523.9	521.0	511.7	501.3	487.3	468.5	448.9	432.0	425.4	393.6
15°	597.9	597.9	594.1	582.0	569.8	552.9	536.0	519.1	497.6	490.1	449.8
17.5°	678.4	677.5	670.0	658.8	641.9	628.8	612.8	593.2	569.8	560.4	513.5
20°	769.4	766.5	756.3	741.2	726.3	709.4	693.5	666.2	646.6	641.0	586.7
22.5°	872.5	867.8	854.7	834.0	816.2	795.5	778.8	755.3	737.4	727.2	673.8
25°	987.7	985.8	969.9	936.2	910.8	887.4	870.5	859.3	843.4	828.4	766.5
27.5°	1113.3	1108.6	1082.4	1048.6	1009.2	983.1	967.1	958.6	949.3	940.8	868.7
30°	1248.2	1245.4	1210.8	1168.5	1116.0	1082.4	1071.1	1072.1	1070.2	1061.7	982.0
32.5°	1394.4	1392.5	1349.4	1296.0	1230.4	1185.4	1182.6	1196.6	1199.5	1193.9	1103.9
35°	1550.9	1549.1	1499.3	1432.8	1350.4	1297.9	1301.6	1328.8	1341.0	1336.3	1234.2
37.5°	1710.2	1708.3	1656.8	1575.2	1474.1	1414.1	1425.3	1470.3	1493.7	1490.0	1372.8
40°	1885.4	1868.5	1815.1	1717.7	1602.5	1535.9	1561.2	1621.2	1655.9	1642.8	1518.1
42.5°	2037.2	2025.0	1966.9	1858.3	1732.7	1671.8	1702.7	1781.5	1828.3	1824.5	1673.6
45°	2171.2	2165.6	2108.5	1992.3	1863.0	1802.0	1851.7	1952.9	2011.0	2000.7	1837.6
47.5°	2292.1	2282.8	2230.3	2113.1	1982.9	1938.9	2006.3	2129.1	2201.3	2194.6	2007.2
50°	2373.7	2369.9	2324.0	2212.4	2094.4	2056.9	2168.5	2320.3	2401.8	2394.3	2183.4
52.5°	2411.2	2410.2	2379.3	2285.6	2190.0	2195.7	2333.4	2516.2	2606.1	2603.2	2366.2
55°	2398.9	2398.0	2386.7	2325.0	2264.9	2310.8	2498.3	2715.7	2813.1	2811.3	2543.3
57.5°	2326.8	2330.6	2345.5	2323.0	2314.6	2416.7	2657.6	2910.6	3017.5	3011.9	2716.7
60°	2189.0	2197.5	2245.3	2273.4	2328.6	2491.7	2804.7	3102.7	3207.7	3198.4	2874.1
62.5°	1999.8	2019.4	2090.7	2175.9	2300.6	2542.3	2936.0	3273.2	3377.3	3357.6	2983.7
65°	1773.9	1796.4	1893.0	2033.5	2230.3	2549.8	3029.7	3412.9	3502.9	3477.5	3059.6
67.5°	1522.8	1550.9	1668.0	1852.7	2111.3	2509.5	3063.3	3499.1	3570.3	3530.0	3067.1
68°	1471.2	1499.3	1620.3	1812.4	2080.4	2493.6	3062.4	3506.6	3573.2	3530.0	3055.9
70°	1270.7	1300.7	1432.8	1645.5	1957.6	2414.0	3025.9	3498.2	3547.8	3495.3	2980.9
72.5°	1042.1	1072.1	1205.1	1430.9	1769.2	2250.0	2897.5	3393.2	3416.7	3354.8	2800.0
75°	836.9	867.8	996.1	1223.9	1564.9	2055.0	2684.7	3173.9	3169.3	3097.1	2527.3
77.5°	662.6	690.6	812.4	1028.0	1355.0	1817.1	2411.2	2846.9	2816.0	2740.1	2180.6
80°	521.0	546.4	656.9	854.7	1152.7	1567.8	2084.1	2448.6	2397.1	2319.3	1807.7
82.5°	406.7	430.2	527.5	702.9	966.2	1325.0	1732.7	2027.9	1956.7	1885.4	1449.7
85°	317.6	336.4	422.6	573.5	798.4	1095.5	1425.3	1619.3	1544.3	1482.5	1130.2
87.5°	248.4	264.2	337.4	465.7	658.8	890.3	1136.7	1261.3	1191.0	1140.5	866.8
90°	194.9	206.1	271.8	377.7	531.3	717.8	893.0	968.0	905.2	865.9	661.5
92.5°	154.7	163.1	216.5	306.5	428.2	569.8	691.6	733.8	681.3	652.2	502.3
95°	123.7	130.2	175.2	250.2	348.6	450.7	532.2	553.8	512.6	490.1	381.4
97.5°	101.2	105.9	144.3	203.4	279.3	357.9	412.4	420.7	387.0	370.1	291.4
100°	84.3	87.2	119.0	168.7	226.8	284.9	321.4	322.3	294.2	280.2	222.1
102.5°	71.2	73.1	99.3	140.6	187.4	228.6	253.0	248.4	223.0	211.8	170.5
105°	60.9	62.8	83.4	118.0	156.5	185.6	199.6	192.1	170.5	162.1	132.2
107.5°	53.4	54.3	70.3	99.3	131.2	152.7	161.2	150.9	132.2	124.6	104.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
110°	46.9	47.8	59.9	85.3	110.6	128.4	131.2	119.0	103.1	97.5	83.4
112.5°	41.2	42.1	52.5	72.1	94.6	107.7	108.7	95.5	81.5	76.8	67.5
115°	37.4	38.5	45.9	61.9	80.6	90.9	89.9	76.8	64.7	60.9	55.2
117.5°	34.7	35.6	41.2	53.4	69.4	76.8	75.0	62.8	52.5	49.7	46.9
120°	31.8	32.8	36.5	45.9	59.0	65.6	61.9	50.6	43.1	41.2	39.4
122.5°	30.0	30.0	32.8	40.3	50.6	55.2	51.6	42.1	35.6	33.8	33.8
125°	27.2	28.1	30.0	34.7	43.1	46.9	43.1	34.7	29.1	29.1	29.1
127.5°	26.3	26.3	27.2	30.9	36.5	39.4	35.6	28.1	24.3	24.3	25.3
130°	24.3	24.3	24.3	27.2	30.9	31.8	28.1	22.5	20.7	20.7	21.6
132.5°	22.5	22.5	22.5	23.4	25.3	25.3	22.5	18.7	17.8	17.8	18.7
135°	20.7	20.7	19.6	19.6	20.7	19.6	17.8	15.0	14.0	15.0	16.0
137.5°	17.8	17.8	17.8	16.9	16.0	15.0	12.2	11.3	11.3	12.2	13.1
140°	15.0	15.0	15.0	13.1	12.2	10.3	8.4	7.5	8.4	9.4	10.3
142.5°	12.2	12.2	12.2	10.3	8.4	6.5	4.7	4.7	5.6	6.5	7.5
145°	9.4	9.4	9.4	7.5	5.6	3.8	2.8	3.8	4.7	4.7	5.6
147.5°	6.5	6.5	6.5	4.7	2.8	0.9	0.9	2.8	3.8	3.8	4.7
150°	3.8	3.8	3.8	1.8	0.9	0.0	0.0	1.8	2.8	2.8	3.8
152.5°	0.9	0.9	1.8	0.9	0.0	0.0	0.0	0.9	1.8	1.8	2.8
155°	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.9	0.9	1.8
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
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°	268.9	268.9	268.9	268.9	268.9	268.9	268.9	268.9	268.9	268.9	268.9
2.5°	271.8	268.9	262.4	255.8	250.2	245.5	241.7	239.9	238.0	237.1	235.2
5°	284.0	277.4	264.2	252.1	240.8	231.5	222.1	216.5	212.7	209.9	209.0
7.5°	304.5	294.2	274.6	255.8	238.0	221.2	209.9	202.4	195.9	192.1	191.2
10°	334.5	321.4	292.4	265.1	240.8	219.3	203.4	192.1	184.6	180.9	180.9
12.5°	377.7	357.9	319.6	282.0	248.4	221.2	201.5	191.2	185.6	182.7	182.7
15°	431.1	404.8	355.2	306.5	263.3	229.6	209.9	198.7	193.0	190.3	190.3
17.5°	490.1	456.3	394.6	332.7	278.3	244.6	219.3	206.1	199.6	196.8	196.8
20°	557.6	519.1	436.7	359.0	298.0	258.6	229.6	212.7	206.1	204.3	203.4
22.5°	634.4	584.7	482.6	386.1	317.6	269.9	238.0	218.3	212.7	210.8	210.8
25°	719.6	659.7	532.2	415.1	333.6	278.3	244.6	224.9	218.3	217.4	216.5
27.5°	809.7	739.4	582.0	443.2	345.8	283.1	248.4	230.6	223.0	223.0	222.1
30°	914.6	822.8	629.7	466.7	353.3	284.9	249.3	233.3	226.8	227.7	228.6
32.5°	1019.6	910.8	677.5	487.3	359.0	285.8	249.3	234.3	227.7	230.6	230.6
35°	1131.1	1001.8	723.4	504.1	361.7	284.9	249.3	236.2	228.6	231.5	232.4
37.5°	1248.2	1094.6	767.5	517.3	363.6	284.0	249.3	236.2	229.6	232.4	232.4
40°	1368.2	1187.3	809.7	526.6	363.6	283.1	248.4	236.2	231.5	231.5	232.4
42.5°	1497.5	1283.8	848.0	534.2	363.6	281.1	248.4	236.2	229.6	230.6	231.5
45°	1634.3	1383.1	884.6	539.8	362.6	281.1	247.3	235.2	228.6	227.7	228.6
47.5°	1768.3	1486.2	920.2	545.4	361.7	282.0	247.3	234.3	226.8	223.0	223.9
50°	1916.4	1593.0	956.8	549.1	362.6	282.0	248.4	233.3	223.9	219.3	220.2
52.5°	2062.6	1699.9	992.4	553.8	362.6	283.1	248.4	231.5	221.2	214.6	215.5
55°	2217.1	1805.8	1027.0	558.5	363.6	284.0	249.3	229.6	218.3	210.8	211.8
57.5°	2352.1	1907.0	1057.9	561.3	363.6	285.8	249.3	228.6	215.5	207.1	207.1
60°	2475.8	2000.7	1083.3	562.2	363.6	285.8	249.3	226.8	213.7	203.4	203.4
62.5°	2569.6	2063.5	1095.5	560.4	361.7	285.8	248.4	224.9	211.8	200.5	200.5
65°	2617.3	2090.7	1089.9	553.8	359.9	284.9	247.3	222.1	209.0	198.7	197.7
67.5°	2605.1	2070.0	1062.6	540.7	355.2	282.0	244.6	218.3	207.1	196.8	194.9
68°	2593.0	2054.1	1054.3	536.9	352.3	281.1	243.7	218.3	206.1	196.8	194.9
70°	2510.5	1985.8	1010.2	521.0	347.7	277.4	240.8	214.6	203.4	194.9	193.0
72.5°	2336.2	1837.6	936.2	493.9	336.4	270.8	234.3	209.9	199.6	192.1	189.2
75°	2086.0	1639.9	843.4	462.0	322.3	262.4	225.9	203.4	194.0	187.4	184.6
77.5°	1801.1	1407.5	741.2	423.6	305.5	252.1	216.5	195.9	187.4	181.8	177.1
80°	1490.0	1168.5	638.1	383.3	286.7	239.0	206.1	186.5	179.0	172.5	168.7
82.5°	1194.8	946.4	540.7	344.8	264.2	222.1	194.0	175.2	167.8	162.1	157.4
85°	936.2	754.3	452.7	305.5	243.7	207.1	180.9	163.1	156.5	150.0	145.3
87.5°	725.3	593.2	379.5	268.9	220.2	190.3	167.8	150.9	143.4	135.8	132.2
90°	560.4	466.7	313.9	234.3	199.6	174.3	153.6	137.8	129.3	122.8	119.0
92.5°	432.0	368.3	260.5	205.2	178.1	157.4	139.6	125.6	116.2	107.7	105.0
95°	334.5	291.4	216.5	178.1	158.4	141.5	126.5	112.4	102.2	93.7	90.9
97.5°	260.5	230.6	179.9	153.6	139.6	125.6	112.4	100.2	89.9	79.7	77.7
100°	201.5	182.7	150.9	133.1	122.8	110.6	99.3	89.0	76.8	67.5	66.5
102.5°	158.4	146.2	126.5	115.3	106.8	97.5	88.1	77.7	65.6	56.3	55.2
105°	125.6	118.0	105.9	98.4	92.8	85.3	77.7	67.5	54.3	46.9	46.9
107.5°	100.2	95.5	89.0	84.3	80.6	74.1	67.5	57.2	45.0	38.5	39.4



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CATALOG NUMBER: LXF.LXT-AF24-80-D-U-SL3-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	81.5	78.8	75.0	73.1	70.3	64.7	58.1	48.7	37.4	31.8	32.8
112.5°	66.5	65.6	63.7	62.8	60.9	56.3	49.7	40.3	30.0	27.2	27.2
115°	55.2	54.3	54.3	53.4	52.5	48.7	42.1	33.8	24.3	22.5	22.5
117.5°	46.9	46.9	45.9	45.9	45.0	41.2	35.6	28.1	19.6	18.7	18.7
120°	39.4	39.4	39.4	39.4	38.5	34.7	30.0	22.5	16.0	16.0	16.0
122.5°	33.8	34.7	33.8	33.8	32.8	30.0	24.3	17.8	13.1	13.1	14.0
125°	29.1	29.1	29.1	28.1	27.2	24.3	19.6	14.0	11.3	11.3	11.3
127.5°	25.3	25.3	25.3	24.3	22.5	20.7	16.0	11.3	9.4	9.4	9.4
130°	22.5	21.6	21.6	20.7	18.7	16.0	12.2	8.4	7.5	7.5	7.5
132.5°	18.7	18.7	17.8	16.9	15.0	12.2	9.4	5.6	5.6	6.5	6.5
135°	16.0	16.0	15.0	13.1	11.3	9.4	6.5	4.7	4.7	4.7	4.7
137.5°	13.1	13.1	12.2	10.3	8.4	5.6	3.8	2.8	2.8	3.8	3.8
140°	10.3	10.3	9.4	7.5	5.6	3.8	1.8	0.9	1.8	1.8	1.8
142.5°	7.5	7.5	6.5	4.7	2.8	1.8	0.0	0.9	0.9	0.9	0.9
145°	5.6	5.6	4.7	3.8	1.8	0.9	0.0	0.0	0.9	0.0	0.0
147.5°	4.7	4.7	3.8	2.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0
150°	3.8	2.8	2.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.8	1.8	1.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.8	1.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.9	0.9	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

(END OF REPORT)