

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: P254955

Luminaire Tested: **LXF.LXT-AF24-80-D-U-SL3-FL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254955
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-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 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: 7004.6 lumens
Efficiency: N/A
Efficacy: 84.4 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

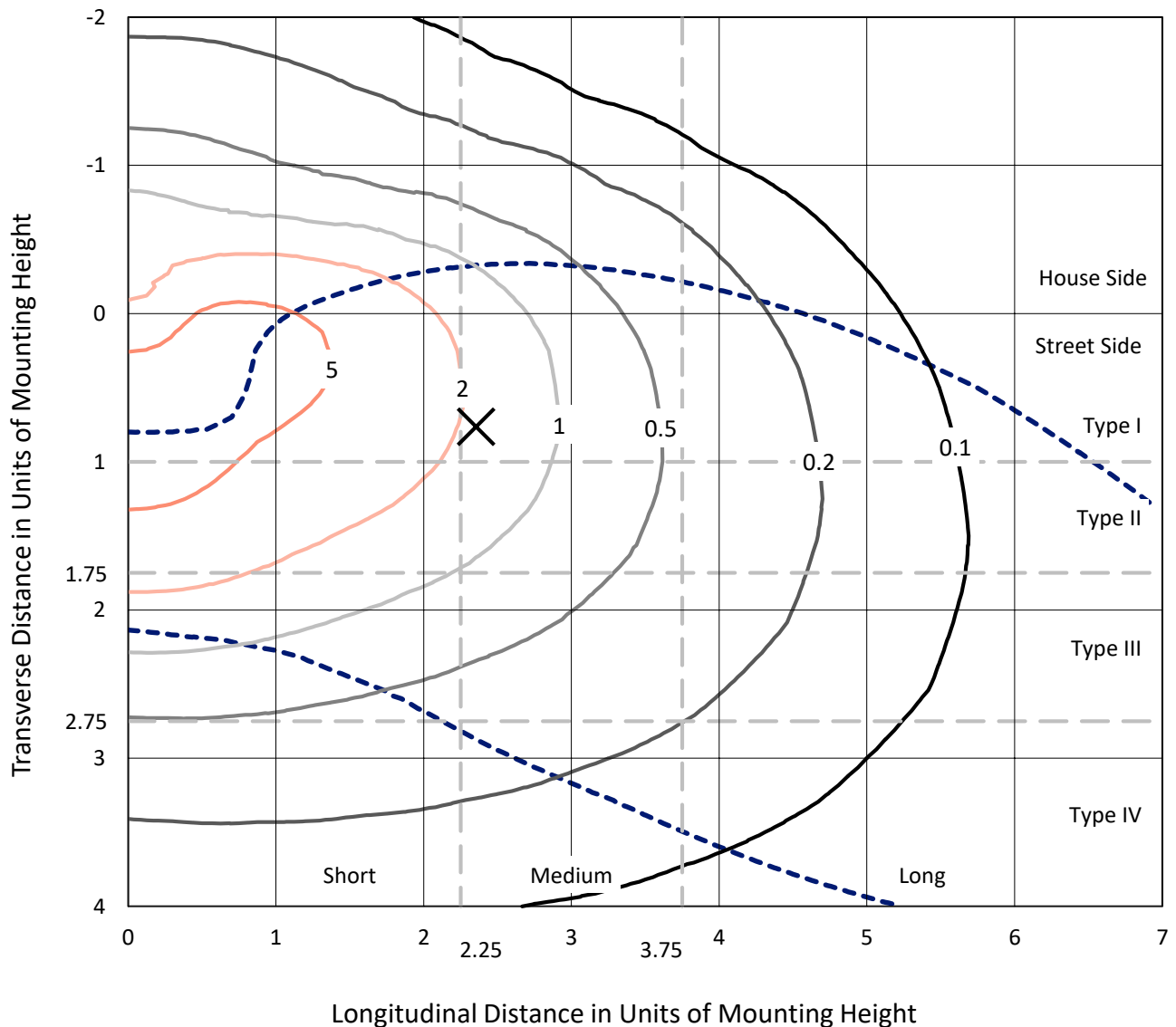


REPORT NUMBER: P254955

CATALOG NUMBER: LXF.LXT-AF24-80-D-U-SL3-FL-7030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

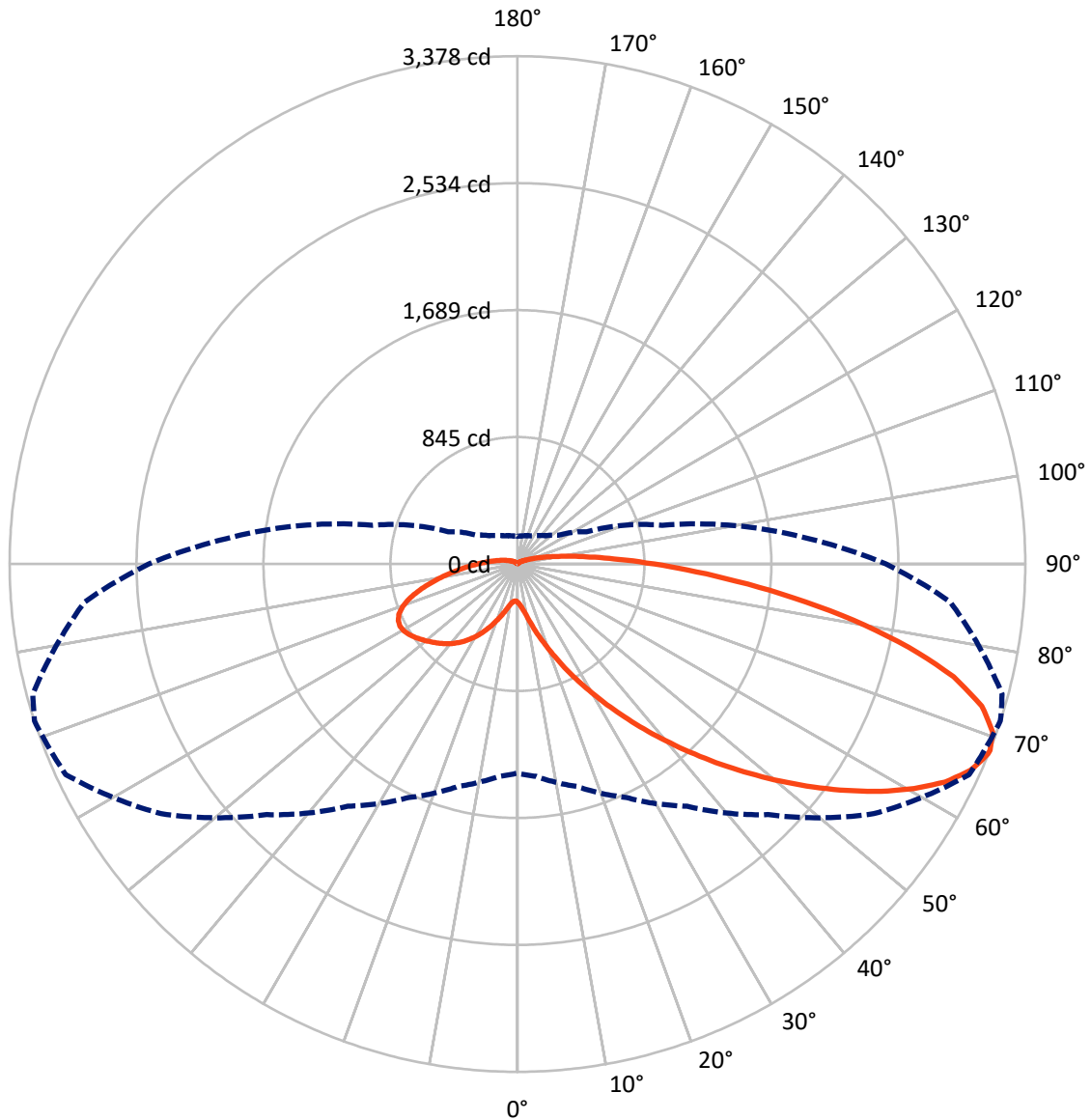


Based on 10 foot mounting height. Maximum calculated value = 8.1 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P254955

CATALOG NUMBER: LXF.LXT-AF24-80-D-U-SL3-FL-7030

Luminous Intensity Polar Plot



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

REPORT NUMBER: P254955

CATALOG NUMBER: LXF.LXT-AF24-80-D-U-SL3-FL-7030

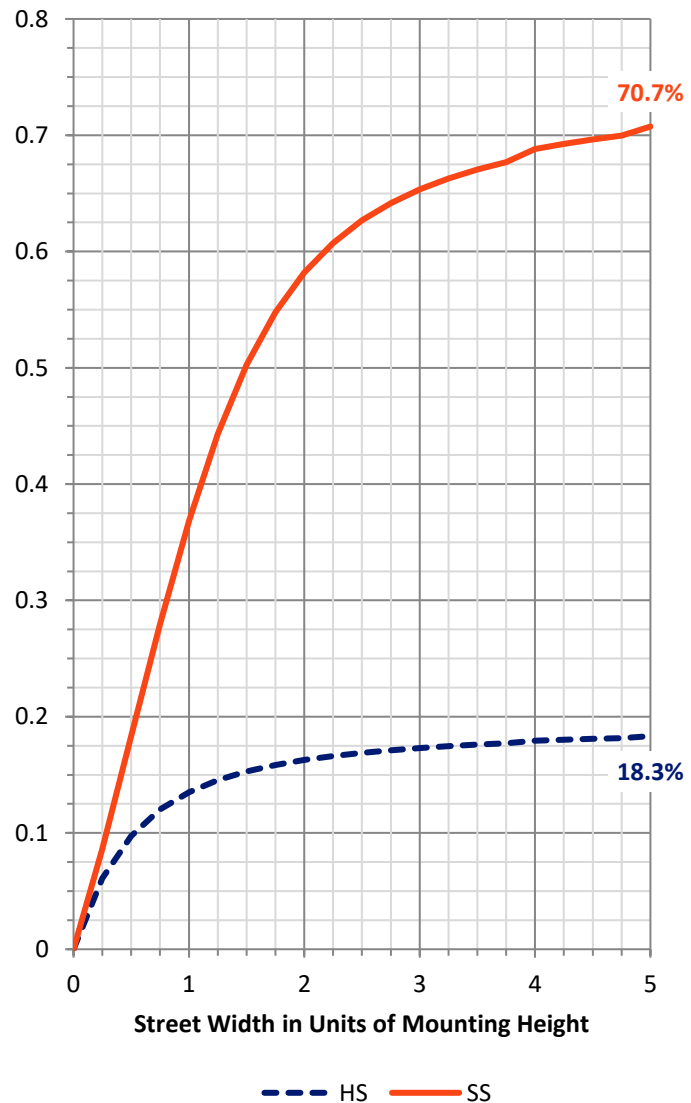
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1346.2	160.3	1506.5
	% Fixture	19.2	2.3	21.5
Street Side	Lumens	5167.5	330.6	5498.1
	% Fixture	73.8	4.7	78.5
Total	Lumens	6513.7	490.9	7004.6
	% Fixture	93.0	7.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.8	0.4
10°-20°	111.2	1.6
20°-30°	275.1	3.9
30°-40°	538.1	7.7
40°-50°	896.7	12.8
50°-60°	1277.3	18.2
60°-70°	1479.9	21.1
70°-80°	1235.8	17.6
80°-90°	672.8	9.6
90°-100°	282.4	4.0
100°-110°	117.6	1.7
110°-120°	53.0	0.8
120°-130°	24.7	0.4
130°-140°	10.3	0.1
140°-150°	2.6	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6513.7	93.0
0°-180°	7004.6	100.0



REPORT NUMBER: P254955

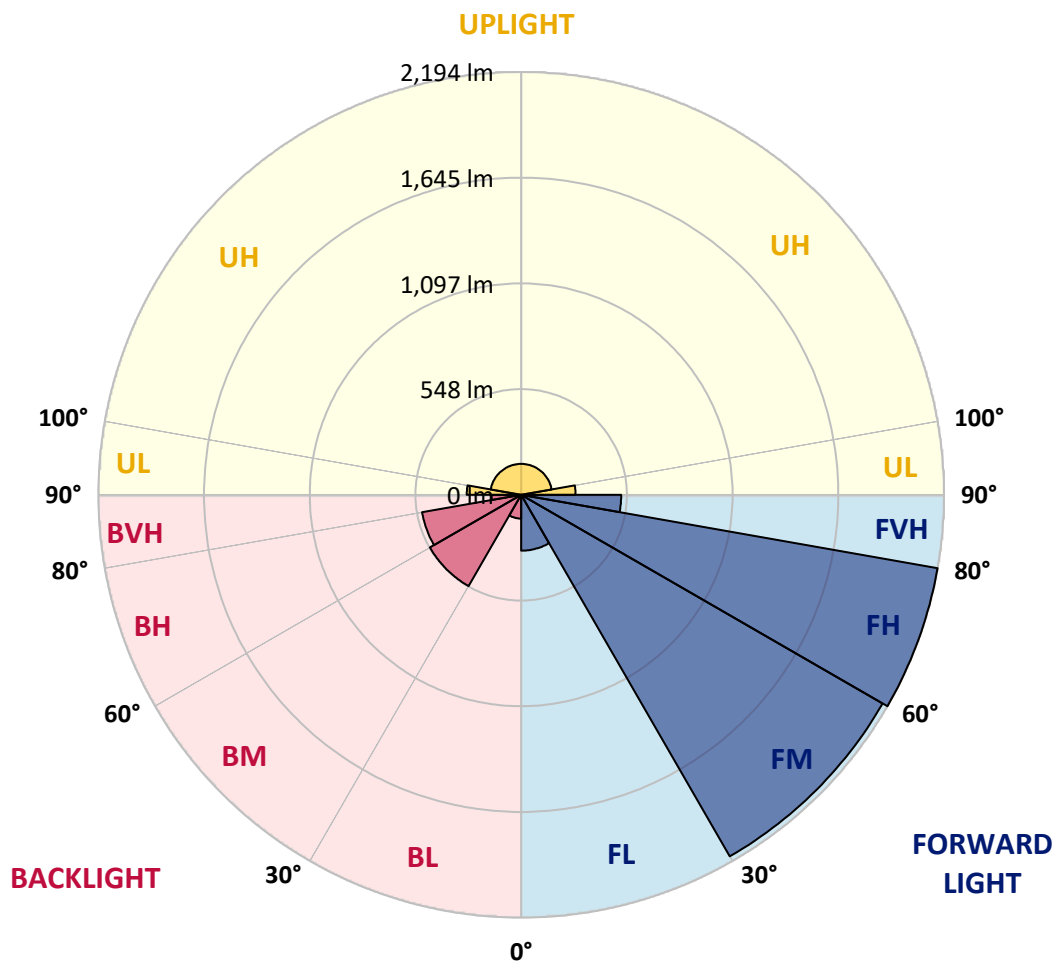
CATALOG NUMBER: LXF.LXT-AF24-80-D-U-SL3-FL-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	289.8	4.1			
FM	(30°-60°)	2165.4	30.9			
FH	(60°-80°)	2193.6	31.3			G2/5000
FVH	(80°-90°)	518.7	7.4			G4/750
BL	(0°-30°)	123.3	1.8	B1/500		
BM	(30°-60°)	546.7	7.8	B1/1000		
BH	(60°-80°)	522.1	7.5	B2/1000		G2/1000
BVH	(80°-90°)	154.1	2.2			G2/225
UL	(90°-100°)	282.4	4.0		U3/500	
UH	(100°-180°)	160.3	2.3		U3/500	

BUG Rating: B2-U3-G4

Type IV Medium





REPORT NUMBER: P254955

CATALOG NUMBER: LXF.LXT-AF24-80-D-U-SL3-FL-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	254.2	254.2	254.2	254.2	254.2	254.2	254.2	254.2	254.2	254.2	254.2
2.5°	291.5	291.5	292.4	289.6	287.1	284.4	278.2	272.8	268.4	265.8	260.5
5°	331.4	332.2	330.4	327.8	323.4	317.2	308.3	297.6	288.8	287.1	274.7
7.5°	378.2	378.2	376.5	372.1	366.8	358.0	344.6	330.4	318.1	315.4	296.7
10°	432.3	432.3	431.5	424.4	416.4	405.8	389.8	374.8	358.0	352.6	327.8
12.5°	496.1	495.3	492.5	483.7	473.9	460.6	442.9	424.4	408.4	402.2	372.1
15°	565.2	565.2	561.7	550.1	538.6	522.7	506.8	490.8	470.5	463.4	425.2
17.5°	641.5	640.5	633.4	622.8	606.8	594.5	579.4	560.8	538.6	529.8	485.4
20°	727.3	724.7	715.0	700.8	686.5	670.7	655.5	629.9	611.3	606.0	554.6
22.5°	824.8	820.3	808.0	788.6	771.6	752.1	736.2	714.0	697.2	687.5	637.0
25°	933.7	932.0	916.9	885.0	861.1	839.0	823.0	812.4	797.4	783.2	724.7
27.5°	1052.5	1048.1	1023.2	991.3	954.2	929.4	914.3	906.3	897.4	889.5	821.3
30°	1180.0	1177.4	1144.6	1104.7	1055.1	1023.2	1012.7	1013.5	1011.7	1003.8	928.4
32.5°	1318.2	1316.5	1275.7	1225.3	1163.2	1120.7	1118.0	1131.3	1134.0	1128.6	1043.7
35°	1466.1	1464.4	1417.4	1354.6	1276.5	1227.0	1230.6	1256.3	1267.7	1263.4	1166.8
37.5°	1616.8	1615.1	1566.3	1489.2	1393.6	1336.9	1347.5	1390.0	1412.1	1408.6	1297.9
40°	1782.4	1766.5	1716.0	1623.9	1514.9	1452.0	1476.0	1532.7	1565.4	1553.0	1435.2
42.5°	1926.0	1914.4	1859.6	1756.8	1638.1	1580.4	1609.7	1684.1	1728.5	1724.8	1582.3
45°	2052.7	2047.4	1993.3	1883.5	1761.3	1703.7	1750.6	1846.3	1901.2	1891.4	1737.3
47.5°	2166.9	2158.1	2108.4	1997.8	1874.6	1833.0	1896.7	2012.8	2081.1	2074.9	1897.7
50°	2244.0	2240.5	2197.1	2091.7	1980.0	1944.6	2050.0	2193.5	2270.6	2263.6	2064.2
52.5°	2279.4	2278.6	2249.3	2160.7	2070.4	2075.7	2206.0	2378.7	2463.8	2461.1	2237.0
55°	2268.0	2267.0	2256.4	2198.0	2141.3	2184.6	2361.8	2567.4	2659.5	2657.7	2404.4
57.5°	2199.7	2203.3	2217.4	2196.2	2188.3	2284.8	2512.5	2751.7	2852.6	2847.3	2568.2
60°	2069.5	2077.4	2122.7	2149.2	2201.5	2355.6	2651.6	2933.3	3032.5	3023.6	2717.2
62.5°	1890.5	1909.2	1976.5	2057.2	2175.0	2403.4	2775.6	3094.5	3192.9	3174.2	2820.7
65°	1677.0	1698.3	1789.5	1922.4	2108.4	2410.6	2864.2	3226.5	3311.5	3287.6	2892.5
67.5°	1439.6	1466.1	1576.9	1751.4	1995.9	2372.4	2896.0	3308.1	3375.3	3337.3	2899.6
68°	1390.9	1417.4	1531.7	1713.4	1966.7	2357.5	2895.2	3315.2	3378.0	3337.3	2889.1
70°	1201.3	1229.6	1354.6	1555.7	1850.8	2282.1	2860.6	3307.2	3354.2	3304.4	2818.2
72.5°	985.2	1013.5	1139.2	1352.8	1672.6	2127.1	2739.2	3208.0	3230.0	3171.6	2647.2
75°	791.1	820.3	941.7	1157.0	1479.5	1942.8	2538.2	3000.6	2996.2	2927.9	2389.3
77.5°	626.4	653.0	768.1	971.9	1281.1	1717.8	2279.4	2691.4	2662.2	2590.4	2061.5
80°	492.5	516.5	621.0	808.0	1089.7	1482.1	1970.3	2314.8	2266.1	2192.7	1709.0
82.5°	384.5	406.7	498.8	664.4	913.4	1252.6	1638.1	1917.2	1849.8	1782.4	1370.5
85°	300.4	318.1	399.6	542.2	754.8	1035.7	1347.5	1530.8	1460.0	1401.6	1068.4
87.5°	234.8	249.8	318.9	440.4	622.8	841.7	1074.7	1192.4	1126.0	1078.2	819.5
90°	184.3	194.9	256.9	357.1	502.3	678.6	844.2	915.1	855.8	818.6	625.5
92.5°	146.2	154.2	204.7	289.6	405.0	538.6	653.8	693.7	644.1	616.6	474.8
95°	116.9	123.1	165.6	236.5	329.5	426.1	503.2	523.6	484.6	463.4	360.5
97.5°	95.7	100.1	136.5	192.3	264.0	338.3	389.8	397.8	365.9	349.9	275.6
100°	79.8	82.4	112.5	159.5	214.3	269.4	303.8	304.8	278.2	264.9	210.0
102.5°	67.3	69.1	93.9	132.9	177.2	216.2	239.2	234.8	210.9	200.3	161.2
105°	57.6	59.3	78.8	111.7	147.9	175.4	188.7	181.6	161.2	153.3	124.9
107.5°	50.5	51.4	66.4	93.9	124.0	144.4	152.4	142.6	124.9	117.8	98.4



REPORT NUMBER: P254955

CATALOG NUMBER: LXF.LXT-AF24-80-D-U-SL3-FL-7030

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
110°	44.2	45.3	56.7	80.7	104.6	121.4	124.0	112.5	97.5	92.1	78.8
112.5°	39.0	39.9	49.6	68.2	89.5	101.8	102.8	90.3	77.0	72.6	63.8
115°	35.4	36.3	43.3	58.5	76.2	86.0	85.0	72.6	61.0	57.6	52.2
117.5°	32.8	33.7	39.0	50.5	65.5	72.6	70.9	59.3	49.6	47.0	44.2
120°	30.1	31.0	34.5	43.3	55.8	62.1	58.5	47.8	40.8	39.0	37.2
122.5°	28.3	28.3	31.0	38.1	47.8	52.2	48.7	39.9	33.7	31.9	31.9
125°	25.6	26.6	28.3	32.8	40.8	44.2	40.8	32.8	27.5	27.5	27.5
127.5°	24.8	24.8	25.6	29.3	34.5	37.2	33.7	26.6	23.1	23.1	23.9
130°	23.1	23.1	23.1	25.6	29.3	30.1	26.6	21.3	19.4	19.4	20.3
132.5°	21.3	21.3	21.3	22.2	23.9	23.9	21.3	17.7	16.8	16.8	17.7
135°	19.4	19.4	18.6	18.6	19.4	18.6	16.8	14.2	13.3	14.2	15.1
137.5°	16.8	16.8	16.8	16.0	15.1	14.2	11.5	10.6	10.6	11.5	12.4
140°	14.2	14.2	14.2	12.4	11.5	9.8	7.9	7.1	7.9	8.8	9.8
142.5°	11.5	11.5	11.5	9.8	7.9	6.2	4.5	4.5	5.4	6.2	7.1
145°	8.8	8.8	8.8	7.1	5.4	3.5	2.6	3.5	4.5	4.5	5.4
147.5°	6.2	6.2	6.2	4.5	2.6	0.9	0.9	2.6	3.5	3.5	4.5
150°	3.5	3.5	3.5	1.7	0.9	0.0	0.0	1.7	2.6	2.6	3.5
152.5°	0.9	0.9	1.7	0.9	0.0	0.0	0.0	0.9	1.7	1.7	2.6
155°	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.9	0.9	1.7
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



REPORT NUMBER: P254955

CATALOG NUMBER: LXF.LXT-AF24-80-D-U-SL3-FL-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	254.2	254.2	254.2	254.2	254.2	254.2	254.2	254.2	254.2	254.2	254.2
2.5°	256.9	254.2	248.0	241.9	236.5	232.0	228.6	226.8	225.1	224.1	222.4
5°	268.4	262.2	249.8	238.3	227.7	218.8	210.0	204.7	201.1	198.5	197.5
7.5°	287.9	278.2	259.6	241.9	225.1	209.1	198.5	191.3	185.2	181.6	180.8
10°	316.3	303.8	276.4	250.7	227.7	207.3	192.3	181.6	174.5	171.0	171.0
12.5°	357.1	338.3	302.1	266.7	234.8	209.1	190.4	180.8	175.4	172.7	172.7
15°	407.5	382.7	335.8	289.6	248.9	217.1	198.5	187.8	182.5	179.8	179.8
17.5°	463.4	431.5	373.0	314.4	263.1	231.2	207.3	194.9	188.7	186.1	186.1
20°	527.1	490.8	412.9	339.4	281.7	244.5	217.1	201.1	194.9	193.2	192.3
22.5°	599.8	552.9	456.2	365.0	300.4	255.1	225.1	206.4	201.1	199.3	199.3
25°	680.3	623.7	503.2	392.5	315.4	263.1	231.2	212.6	206.4	205.5	204.7
27.5°	765.5	699.0	550.1	419.0	326.9	267.5	234.8	218.0	210.9	210.9	210.0
30°	864.7	777.8	595.4	441.2	334.0	269.4	235.7	220.6	214.3	215.2	216.2
32.5°	963.8	861.1	640.5	460.6	339.4	270.2	235.7	221.5	215.2	218.0	218.0
35°	1069.3	947.1	684.0	476.6	342.0	269.4	235.7	223.2	216.2	218.8	219.7
37.5°	1180.0	1034.8	725.6	489.1	343.7	268.4	235.7	223.2	217.1	219.7	219.7
40°	1293.4	1122.4	765.5	497.9	343.7	267.5	234.8	223.2	218.8	218.8	219.7
42.5°	1415.7	1213.8	801.8	505.0	343.7	265.8	234.8	223.2	217.1	218.0	218.8
45°	1545.0	1307.7	836.3	510.2	342.8	265.8	234.0	222.4	216.2	215.2	216.2
47.5°	1671.7	1405.1	869.9	515.6	342.0	266.7	234.0	221.5	214.3	210.9	211.8
50°	1811.7	1506.0	904.5	519.2	342.8	266.7	234.8	220.6	211.8	207.3	208.1
52.5°	1950.0	1607.1	938.2	523.6	342.8	267.5	234.8	218.8	209.1	202.9	203.8
55°	2096.1	1707.1	971.0	528.0	343.7	268.4	235.7	217.1	206.4	199.3	200.3
57.5°	2223.7	1802.9	1000.2	530.7	343.7	270.2	235.7	216.2	203.8	195.8	195.8
60°	2340.6	1891.4	1024.1	531.5	343.7	270.2	235.7	214.3	202.0	192.3	192.3
62.5°	2429.2	1950.9	1035.7	529.8	342.0	270.2	234.8	212.6	200.3	189.6	189.6
65°	2474.4	1976.5	1030.4	523.6	340.3	269.4	234.0	210.0	197.5	187.8	187.0
67.5°	2462.8	1957.1	1004.6	511.3	335.8	266.7	231.2	206.4	195.8	186.1	184.3
68°	2451.3	1942.0	996.7	507.6	333.1	265.8	230.3	206.4	194.9	186.1	184.3
70°	2373.3	1877.3	955.0	492.5	328.7	262.2	227.7	202.9	192.3	184.3	182.5
72.5°	2208.5	1737.3	885.0	466.9	318.1	256.0	221.5	198.5	188.7	181.6	178.9
75°	1972.0	1550.4	797.4	436.7	304.8	248.0	213.5	192.3	183.3	177.2	174.5
77.5°	1702.7	1330.7	700.8	400.4	288.8	238.3	204.7	185.2	177.2	171.9	167.3
80°	1408.6	1104.7	603.3	362.3	271.1	225.9	194.9	176.4	169.3	163.1	159.5
82.5°	1129.5	894.9	511.3	326.0	249.8	210.0	183.3	165.6	158.5	153.3	148.8
85°	885.0	713.1	427.9	288.8	230.3	195.8	171.0	154.2	147.9	141.7	137.3
87.5°	685.7	560.8	358.8	254.2	208.1	179.8	158.5	142.6	135.6	128.5	124.9
90°	529.8	441.2	296.7	221.5	188.7	164.8	145.4	130.2	122.3	116.1	112.5
92.5°	408.4	348.2	246.3	194.1	168.4	148.8	131.9	118.8	109.8	101.8	99.2
95°	316.3	275.6	204.7	168.4	149.6	133.8	119.6	106.3	96.5	88.6	86.0
97.5°	246.3	218.0	170.1	145.4	131.9	118.8	106.3	94.8	85.0	75.3	73.5
100°	190.4	172.7	142.6	125.7	116.1	104.6	93.9	84.1	72.6	63.8	63.0
102.5°	149.6	138.2	119.6	108.9	100.9	92.1	83.2	73.5	62.1	53.2	52.2
105°	118.8	111.7	100.1	93.0	87.7	80.7	73.5	63.8	51.4	44.2	44.2
107.5°	94.8	90.3	84.1	79.8	76.2	70.0	63.8	54.1	42.5	36.3	37.2



REPORT NUMBER: P254955

CATALOG NUMBER: LXF.LXT-AF24-80-D-U-SL3-FL-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	77.0	74.4	70.9	69.1	66.4	61.0	54.9	46.1	35.4	30.1	31.0
112.5°	63.0	62.1	60.2	59.3	57.6	53.2	47.0	38.1	28.3	25.6	25.6
115°	52.2	51.4	51.4	50.5	49.6	46.1	39.9	31.9	23.1	21.3	21.3
117.5°	44.2	44.2	43.3	43.3	42.5	39.0	33.7	26.6	18.6	17.7	17.7
120°	37.2	37.2	37.2	37.2	36.3	32.8	28.3	21.3	15.1	15.1	15.1
122.5°	31.9	32.8	31.9	31.9	31.0	28.3	23.1	16.8	12.4	12.4	13.3
125°	27.5	27.5	27.5	26.6	25.6	23.1	18.6	13.3	10.6	10.6	10.6
127.5°	23.9	23.9	23.9	23.1	21.3	19.4	15.1	10.6	8.8	8.8	8.8
130°	21.3	20.3	20.3	19.4	17.7	15.1	11.5	7.9	7.1	7.1	7.1
132.5°	17.7	17.7	16.8	16.0	14.2	11.5	8.8	5.4	5.4	6.2	6.2
135°	15.1	15.1	14.2	12.4	10.6	8.8	6.2	4.5	4.5	4.5	4.5
137.5°	12.4	12.4	11.5	9.8	7.9	5.4	3.5	2.6	2.6	3.5	3.5
140°	9.8	9.8	8.8	7.1	5.4	3.5	1.7	0.9	1.7	1.7	1.7
142.5°	7.1	7.1	6.2	4.5	2.6	1.7	0.0	0.9	0.9	0.9	0.9
145°	5.4	5.4	4.5	3.5	1.7	0.9	0.0	0.0	0.9	0.0	0.0
147.5°	4.5	4.5	3.5	2.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0
150°	3.5	2.6	2.6	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.6	1.7	1.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.7	1.7	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)