

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: P416833

Luminaire Tested: **LXF.LXT-PA1-80-750-U-T4W-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416833
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-18)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-80-750-U-T4W-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8426.9 lumens
Efficiency: N/A
Efficacy: 101.5 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

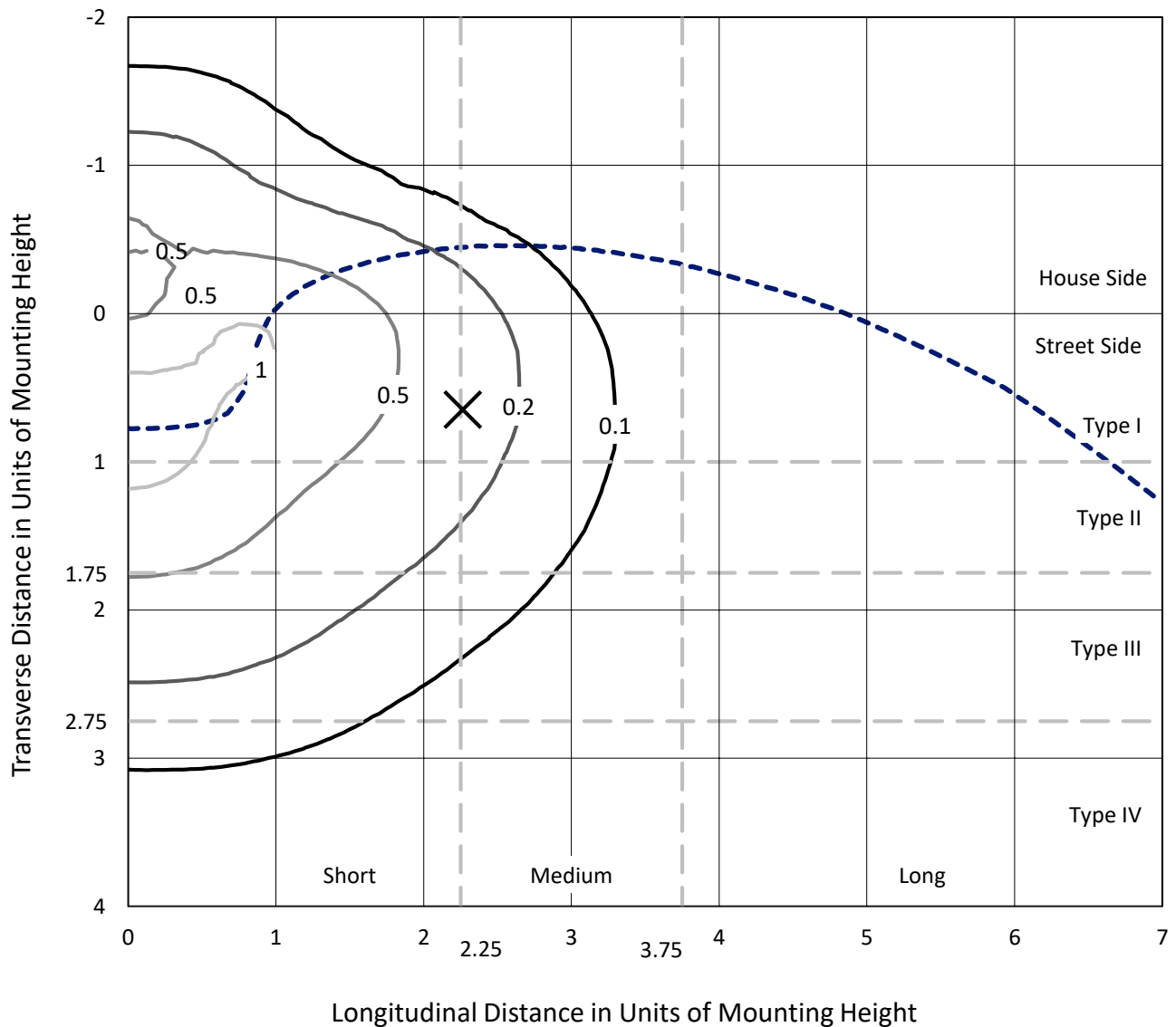


REPORT NUMBER: P416833

CATALOG NUMBER: LXF.LXT-PA1-80-750-U-T4W-FL

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

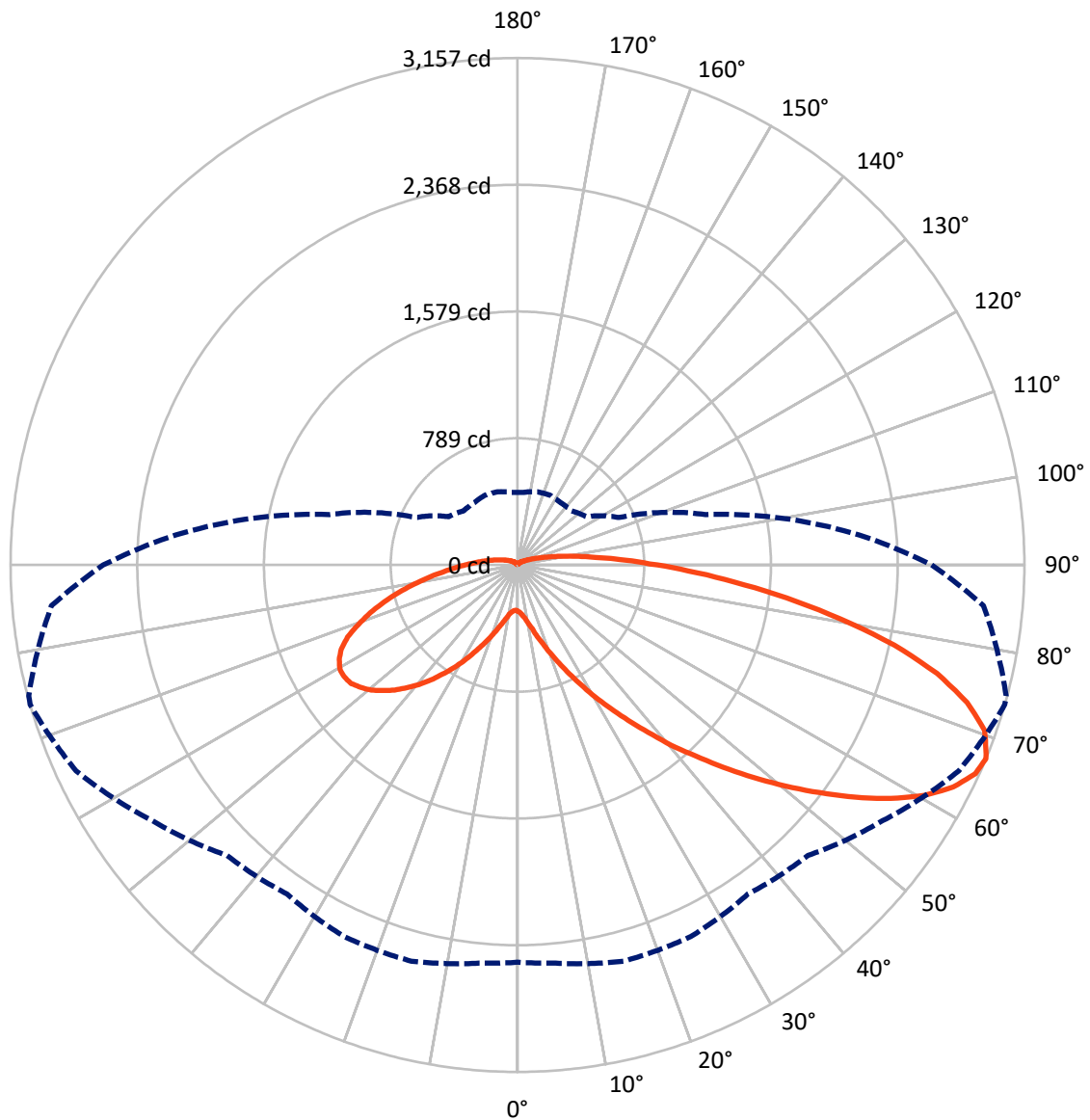


Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P416833

CATALOG NUMBER: LXF.LXT-PA1-80-750-U-T4W-FL

Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

REPORT NUMBER: P416833

CATALOG NUMBER: LXF.LXT-PA1-80-750-U-T4W-FL

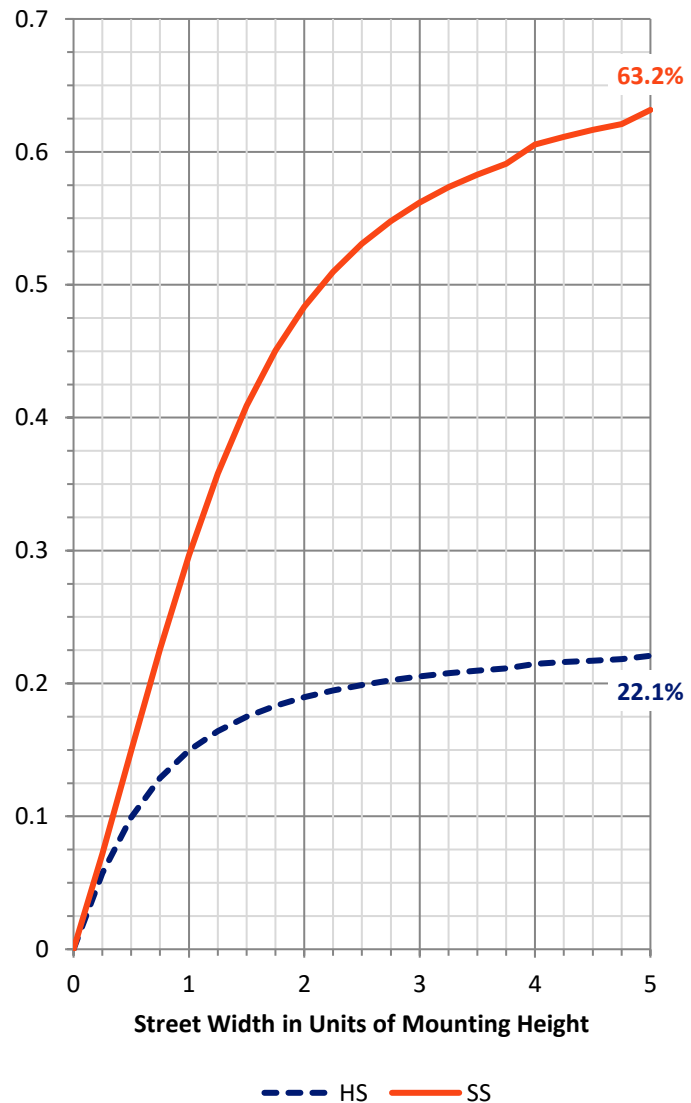
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1965.0	236.2	2201.2
	% Fixture	23.3	2.8	26.1
Street Side	Lumens	5686.9	538.8	6225.7
	% Fixture	67.5	6.4	73.9
Total	Lumens	7651.9	775.0	8426.9
	% Fixture	90.8	9.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.0	0.4
10°-20°	122.8	1.5
20°-30°	304.9	3.6
30°-40°	595.5	7.1
40°-50°	984.9	11.7
50°-60°	1427.5	16.9
60°-70°	1727.7	20.5
70°-80°	1535.9	18.2
80°-90°	922.7	10.9
90°-100°	423.6	5.0
100°-110°	188.6	2.2
110°-120°	90.0	1.1
120°-130°	44.6	0.5
130°-140°	20.4	0.2
140°-150°	6.7	0.1
150°-160°	1.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7651.9	90.8
0°-180°	8426.9	100.0

Coefficient of Utilization



REPORT NUMBER: P416833

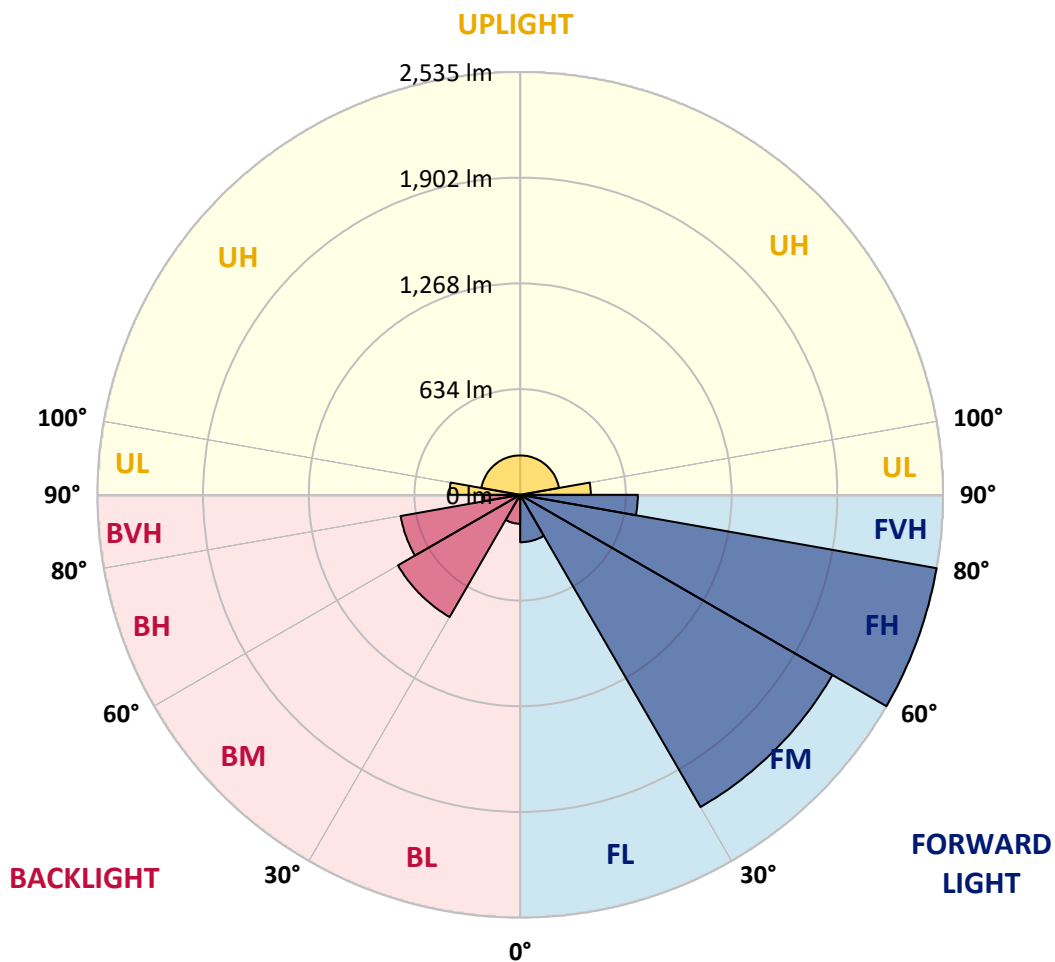
CATALOG NUMBER: LXF.LXT-PA1-80-750-U-T4W-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	284.1	3.4			
FM	(30°-60°)	2162.0	25.7			
FH	(60°-80°)	2535.5	30.1			G2/5000
FVH	(80°-90°)	705.2	8.4			G4/750
BL	(0°-30°)	173.6	2.1	B1/500		
BM	(30°-60°)	845.8	10.0	B1/1000		
BH	(60°-80°)	728.2	8.6	B2/1000		G2/1000
BVH	(80°-90°)	217.4	2.6			G2/225
UL	(90°-100°)	423.6	5.0		U3/500	
UH	(100°-180°)	236.2	2.8		U3/500	

BUG Rating: B2-U3-G4

Type IV Medium





REPORT NUMBER: P416833

CATALOG NUMBER: LXF.LXT-PA1-80-750-U-T4W-FL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	287.0	287.0	287.0	287.0	287.0	287.0	287.0	287.0	287.0	287.0	287.0
2.5°	317.0	314.0	314.0	312.0	311.0	308.0	306.0	299.0	296.0	296.0	291.0
5°	351.0	349.0	345.0	345.0	341.0	337.0	329.0	320.0	313.0	312.0	303.0
7.5°	393.0	388.0	388.0	383.0	377.0	370.0	359.0	347.0	336.0	335.0	321.0
10°	441.0	439.0	437.0	430.0	422.0	408.0	398.0	381.0	368.0	367.0	348.0
12.5°	500.0	497.0	491.0	484.0	470.0	460.0	442.0	423.0	406.0	407.0	385.0
15°	564.0	562.0	558.0	547.0	531.0	517.0	499.0	479.0	462.0	455.0	432.0
17.5°	637.0	633.0	628.0	616.0	598.0	584.0	560.0	541.0	519.0	520.0	487.0
20°	723.0	719.0	712.0	693.0	677.0	658.0	633.0	612.0	587.0	585.0	552.0
22.5°	808.0	810.0	793.0	773.0	758.0	736.0	712.0	685.0	663.0	661.0	623.0
25°	913.0	906.0	889.0	866.0	843.0	816.0	795.0	771.0	750.0	748.0	703.0
27.5°	1023.1	1017.0	994.0	965.0	934.0	904.0	886.0	861.0	845.0	842.0	796.0
30°	1143.1	1133.1	1112.1	1073.1	1030.1	996.0	978.0	969.0	954.0	950.0	903.0
32.5°	1278.1	1265.1	1234.1	1187.1	1125.1	1087.1	1079.1	1071.1	1065.1	1059.1	1015.0
35°	1412.1	1408.1	1362.1	1304.1	1243.1	1193.1	1179.1	1192.1	1188.1	1184.1	1137.1
37.5°	1553.1	1560.1	1510.1	1434.1	1350.1	1297.1	1287.1	1311.1	1322.1	1322.1	1266.1
40°	1719.1	1713.1	1663.1	1570.1	1472.1	1410.1	1413.1	1449.1	1476.1	1470.1	1415.1
42.5°	1884.1	1871.1	1805.1	1714.1	1590.1	1528.1	1528.1	1583.1	1624.1	1625.1	1567.1
45°	2046.1	2032.1	1970.1	1851.1	1716.1	1649.1	1663.1	1730.1	1797.1	1788.1	1731.1
47.5°	2194.1	2188.1	2124.1	1997.1	1845.1	1775.1	1803.1	1903.1	1976.1	1976.1	1913.1
50°	2339.1	2331.1	2271.1	2128.1	1975.1	1906.1	1948.1	2070.1	2163.1	2168.1	2095.1
52.5°	2464.1	2459.1	2403.1	2261.1	2103.1	2033.1	2096.1	2249.1	2356.1	2367.1	2290.1
55°	2554.1	2557.1	2514.1	2379.1	2219.1	2161.1	2247.1	2427.1	2554.1	2556.1	2473.1
57.5°	2620.1	2624.1	2595.1	2478.1	2321.1	2277.1	2393.1	2599.1	2743.1	2752.1	2643.1
60°	2648.1	2655.1	2646.1	2548.1	2412.1	2384.1	2524.1	2753.1	2913.1	2916.1	2785.1
62.5°	2633.1	2640.1	2658.1	2588.1	2478.1	2477.1	2651.1	2887.1	3046.1	3050.1	2893.1
65°	2565.1	2576.1	2621.1	2588.1	2502.1	2535.1	2735.1	2990.1	3133.2	3138.2	2935.1
67°	2474.1	2488.1	2554.1	2553.1	2502.1	2558.1	2776.1	3033.1	3157.2	3151.2	2913.1
67.5°	2453.1	2467.1	2533.1	2543.1	2495.1	2561.1	2781.1	3038.1	3148.2	3147.2	2899.1
70°	2275.1	2300.1	2396.1	2444.1	2443.1	2537.1	2779.1	3011.1	3087.2	3077.2	2782.1
72.5°	2070.1	2101.1	2218.1	2310.1	2340.1	2462.1	2706.1	2904.1	2929.1	2917.1	2563.1
75°	1859.1	1876.1	1998.1	2129.1	2205.1	2335.1	2569.1	2734.1	2699.1	2670.1	2289.1
77.5°	1636.1	1643.1	1779.1	1926.1	2018.1	2168.1	2365.1	2485.1	2399.1	2375.1	1977.1
80°	1377.1	1406.1	1542.1	1695.1	1809.1	1945.1	2111.1	2183.1	2039.1	2017.1	1645.1
82.5°	1165.1	1183.1	1307.1	1457.1	1585.1	1713.1	1821.1	1840.1	1689.1	1673.1	1322.1
85°	951.0	967.0	1097.1	1236.1	1356.1	1463.1	1535.1	1507.1	1350.1	1333.1	1045.1
87.5°	787.0	799.0	889.0	1030.1	1136.1	1213.1	1251.1	1216.1	1066.1	1042.1	807.0
90°	624.0	642.0	723.0	842.0	950.0	1000.0	1004.0	946.0	823.0	805.0	618.0
92.5°	504.0	516.0	593.0	692.0	777.0	815.0	805.0	756.0	643.0	622.0	478.0
95°	408.0	418.0	482.0	569.0	638.0	673.0	645.0	580.0	491.0	483.0	369.0
97.5°	339.0	341.0	391.0	469.0	524.0	542.0	520.0	461.0	384.0	368.0	283.0
100°	277.0	279.0	321.0	380.0	430.0	442.0	420.0	363.0	298.0	288.0	222.0
102.5°	225.0	230.0	262.0	315.0	352.0	361.0	338.0	288.0	230.0	223.0	173.0
105°	191.0	192.0	220.0	260.0	293.0	300.0	277.0	234.0	181.0	177.0	138.0
107.5°	162.0	162.0	184.0	219.0	245.0	249.0	231.0	191.0	143.0	139.0	112.0



REPORT NUMBER: P416833

CATALOG NUMBER: LXF.LXT-PA1-80-750-U-T4W-FL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	139.0	140.0	156.0	184.0	208.0	211.0	193.0	153.0	114.0	111.0	91.0
112.5°	121.0	123.0	134.0	156.0	177.0	180.0	162.0	125.0	93.0	89.0	76.0
115°	107.0	108.0	116.0	134.0	151.0	153.0	135.0	103.0	75.0	72.0	64.0
117.5°	95.0	96.0	102.0	117.0	130.0	131.0	113.0	85.0	63.0	60.0	56.0
120°	86.0	86.0	91.0	101.0	112.0	112.0	95.0	70.0	52.0	51.0	48.0
122.5°	78.0	78.0	81.0	88.0	96.0	94.0	79.0	58.0	44.0	43.0	42.0
125°	71.0	71.0	73.0	77.0	82.0	79.0	65.0	48.0	38.0	37.0	37.0
127.5°	64.0	64.0	65.0	68.0	69.0	66.0	54.0	40.0	33.0	32.0	33.0
130°	58.0	58.0	58.0	58.0	58.0	56.0	44.0	33.0	28.0	28.0	29.0
132.5°	52.0	52.0	51.0	50.0	49.0	45.0	36.0	27.0	25.0	25.0	26.0
135°	46.0	46.0	45.0	43.0	40.0	35.0	27.0	22.0	21.0	21.0	22.0
137.5°	40.0	40.0	39.0	36.0	32.0	27.0	21.0	18.0	18.0	18.0	19.0
140°	34.0	34.0	33.0	30.0	25.0	20.0	16.0	14.0	15.0	15.0	16.0
142.5°	29.0	28.0	27.0	24.0	19.0	14.0	11.0	11.0	12.0	12.0	13.0
145°	23.0	22.0	21.0	18.0	14.0	10.0	8.0	8.0	9.0	9.0	10.0
147.5°	18.0	17.0	16.0	13.0	10.0	7.0	5.0	6.0	7.0	7.0	7.0
150°	12.0	12.0	12.0	10.0	6.0	4.0	3.0	4.0	4.0	4.0	5.0
152.5°	8.0	8.0	8.0	6.0	4.0	2.0	2.0	2.0	3.0	3.0	3.0
155°	5.0	5.0	5.0	4.0	2.0	1.0	1.0	1.0	2.0	2.0	2.0
157.5°	2.0	2.0	2.0	2.0	2.0	1.0	0.0	1.0	1.0	1.0	1.0
160°	1.0	1.0	2.0	2.0	2.0	1.0	0.0	0.0	1.0	1.0	1.0
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: P416833

CATALOG NUMBER: LXF.LXT-PA1-80-750-U-T4W-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	287.0	287.0	287.0	287.0	287.0	287.0	287.0	287.0	287.0	287.0	287.0
2.5°	289.0	287.0	283.0	280.0	277.0	274.0	271.0	269.0	266.0	266.0	266.0
5°	299.0	294.0	286.0	280.0	273.0	268.0	262.0	258.0	255.0	254.0	254.0
7.5°	316.0	309.0	297.0	285.0	275.0	267.0	260.0	255.0	251.0	250.0	250.0
10°	340.0	331.0	312.0	298.0	285.0	274.0	265.0	258.0	255.0	253.0	253.0
12.5°	375.0	363.0	341.0	317.0	300.0	286.0	275.0	272.0	272.0	273.0	272.0
15°	417.0	405.0	375.0	347.0	322.0	306.0	300.0	300.0	299.0	301.0	301.0
17.5°	470.0	453.0	417.0	380.0	351.0	336.0	330.0	328.0	330.0	333.0	331.0
20°	533.0	508.0	463.0	417.0	386.0	371.0	361.0	359.0	362.0	364.0	365.0
22.5°	599.0	572.0	515.0	456.0	424.0	404.0	393.0	390.0	395.0	400.0	401.0
25°	674.0	644.0	571.0	503.0	458.0	431.0	421.0	420.0	428.0	435.0	435.0
27.5°	765.0	725.0	632.0	554.0	496.0	460.0	449.0	450.0	461.0	467.0	469.0
30°	860.0	815.0	702.0	601.0	526.0	483.0	471.0	476.0	487.0	499.0	501.0
32.5°	967.0	914.0	770.0	648.0	553.0	501.0	488.0	498.0	510.0	524.0	526.0
35°	1079.1	1008.0	840.0	691.0	575.0	515.0	500.0	512.0	527.0	540.0	544.0
37.5°	1206.1	1122.1	916.0	726.0	592.0	523.0	507.0	521.0	538.0	551.0	552.0
40°	1336.1	1239.1	988.0	759.0	604.0	528.0	511.0	525.0	541.0	552.0	553.0
42.5°	1472.1	1358.1	1055.1	786.0	610.0	528.0	509.0	523.0	538.0	544.0	545.0
45°	1631.1	1484.1	1124.1	805.0	612.0	526.0	506.0	517.0	528.0	530.0	533.0
47.5°	1791.1	1609.1	1183.1	819.0	611.0	521.0	501.0	510.0	517.0	515.0	518.0
50°	1960.1	1745.1	1240.1	828.0	606.0	516.0	494.0	502.0	504.0	498.0	498.0
52.5°	2122.1	1863.1	1284.1	829.0	599.0	510.0	489.0	495.0	494.0	483.0	484.0
55°	2284.1	1989.1	1321.1	820.0	589.0	504.0	484.0	488.0	485.0	472.0	470.0
57.5°	2423.1	2091.1	1337.1	807.0	578.0	498.0	481.0	485.0	479.0	464.0	463.0
60°	2541.1	2170.1	1338.1	789.0	565.0	493.0	478.0	483.0	478.0	460.0	458.0
62.5°	2614.1	2206.1	1312.1	761.0	552.0	487.0	478.0	482.0	476.0	458.0	457.0
65°	2626.1	2188.1	1270.1	729.0	537.0	481.0	476.0	481.0	475.0	456.0	454.0
67°	2579.1	2136.1	1213.1	699.0	524.0	476.0	472.0	479.0	472.0	454.0	451.0
67.5°	2563.1	2112.1	1200.1	695.0	521.0	474.0	471.0	477.0	471.0	453.0	450.0
70°	2423.1	1981.1	1102.1	651.0	502.0	464.0	464.0	469.0	463.0	446.0	441.0
72.5°	2207.1	1797.1	1004.0	609.0	481.0	449.0	452.0	457.0	451.0	435.0	429.0
75°	1957.1	1590.1	895.0	560.0	457.0	434.0	436.0	441.0	435.0	418.0	413.0
77.5°	1679.1	1351.1	785.0	515.0	432.0	414.0	415.0	418.0	413.0	396.0	391.0
80°	1381.1	1114.1	673.0	464.0	403.0	389.0	390.0	390.0	383.0	369.0	365.0
82.5°	1113.1	905.0	574.0	419.0	371.0	361.0	361.0	360.0	351.0	339.0	333.0
85°	866.0	730.0	481.0	373.0	339.0	330.0	329.0	325.0	316.0	303.0	296.0
87.5°	679.0	578.0	405.0	329.0	307.0	301.0	295.0	286.0	279.0	268.0	262.0
90°	530.0	459.0	342.0	289.0	276.0	268.0	262.0	251.0	240.0	229.0	226.0
92.5°	415.0	363.0	285.0	252.0	244.0	238.0	230.0	218.0	208.0	195.0	196.0
95°	329.0	295.0	243.0	222.0	216.0	211.0	201.0	188.0	177.0	165.0	163.0
97.5°	258.0	235.0	204.0	193.0	191.0	185.0	175.0	162.0	150.0	137.0	137.0
100°	205.0	192.0	172.0	170.0	166.0	162.0	152.0	140.0	125.0	114.0	114.0
102.5°	165.0	154.0	147.0	147.0	146.0	142.0	132.0	120.0	105.0	94.0	94.0
105°	132.0	128.0	125.0	128.0	129.0	125.0	115.0	102.0	87.0	77.0	79.0
107.5°	110.0	107.0	107.0	111.0	113.0	109.0	100.0	86.0	72.0	65.0	65.0



REPORT NUMBER: P416833

CATALOG NUMBER: LXF.LXT-PA1-80-750-U-T4W-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	91.0	90.0	92.0	97.0	98.0	95.0	86.0	73.0	60.0	54.0	55.0
112.5°	77.0	76.0	80.0	85.0	86.0	83.0	74.0	62.0	50.0	46.0	46.0
115°	65.0	66.0	69.0	73.0	75.0	72.0	64.0	53.0	41.0	39.0	39.0
117.5°	56.0	57.0	60.0	65.0	66.0	62.0	54.0	44.0	35.0	34.0	34.0
120°	49.0	50.0	53.0	56.0	57.0	53.0	46.0	37.0	30.0	29.0	29.0
122.5°	43.0	45.0	47.0	49.0	50.0	46.0	40.0	31.0	25.0	25.0	26.0
125°	38.0	39.0	41.0	43.0	43.0	39.0	33.0	26.0	22.0	22.0	22.0
127.5°	34.0	34.0	35.0	37.0	37.0	34.0	28.0	21.0	19.0	19.0	20.0
130°	30.0	31.0	31.0	31.0	31.0	28.0	23.0	18.0	16.0	17.0	17.0
132.5°	26.0	27.0	27.0	27.0	26.0	23.0	19.0	15.0	14.0	15.0	15.0
135°	23.0	23.0	23.0	23.0	21.0	19.0	15.0	12.0	12.0	13.0	13.0
137.5°	20.0	20.0	20.0	19.0	17.0	15.0	12.0	10.0	10.0	11.0	11.0
140°	16.0	17.0	16.0	15.0	13.0	11.0	9.0	8.0	9.0	9.0	9.0
142.5°	13.0	13.0	13.0	12.0	10.0	8.0	7.0	6.0	7.0	7.0	8.0
145°	10.0	10.0	10.0	9.0	7.0	5.0	5.0	5.0	6.0	6.0	6.0
147.5°	7.0	7.0	7.0	6.0	4.0	3.0	3.0	3.0	4.0	4.0	4.0
150°	5.0	5.0	5.0	4.0	2.0	1.0	1.0	2.0	3.0	3.0	3.0
152.5°	3.0	3.0	3.0	2.0	1.0	0.0	1.0	2.0	2.0	1.0	1.0
155°	2.0	2.0	2.0	2.0	1.0	0.0	1.0	1.0	1.0	0.0	0.0
157.5°	2.0	2.0	1.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
160°	1.0	1.0	1.0	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)