

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: P416837

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

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416837  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-23)  
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-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8610.1 lumens  
Efficiency: N/A  
Efficacy: 103.7 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

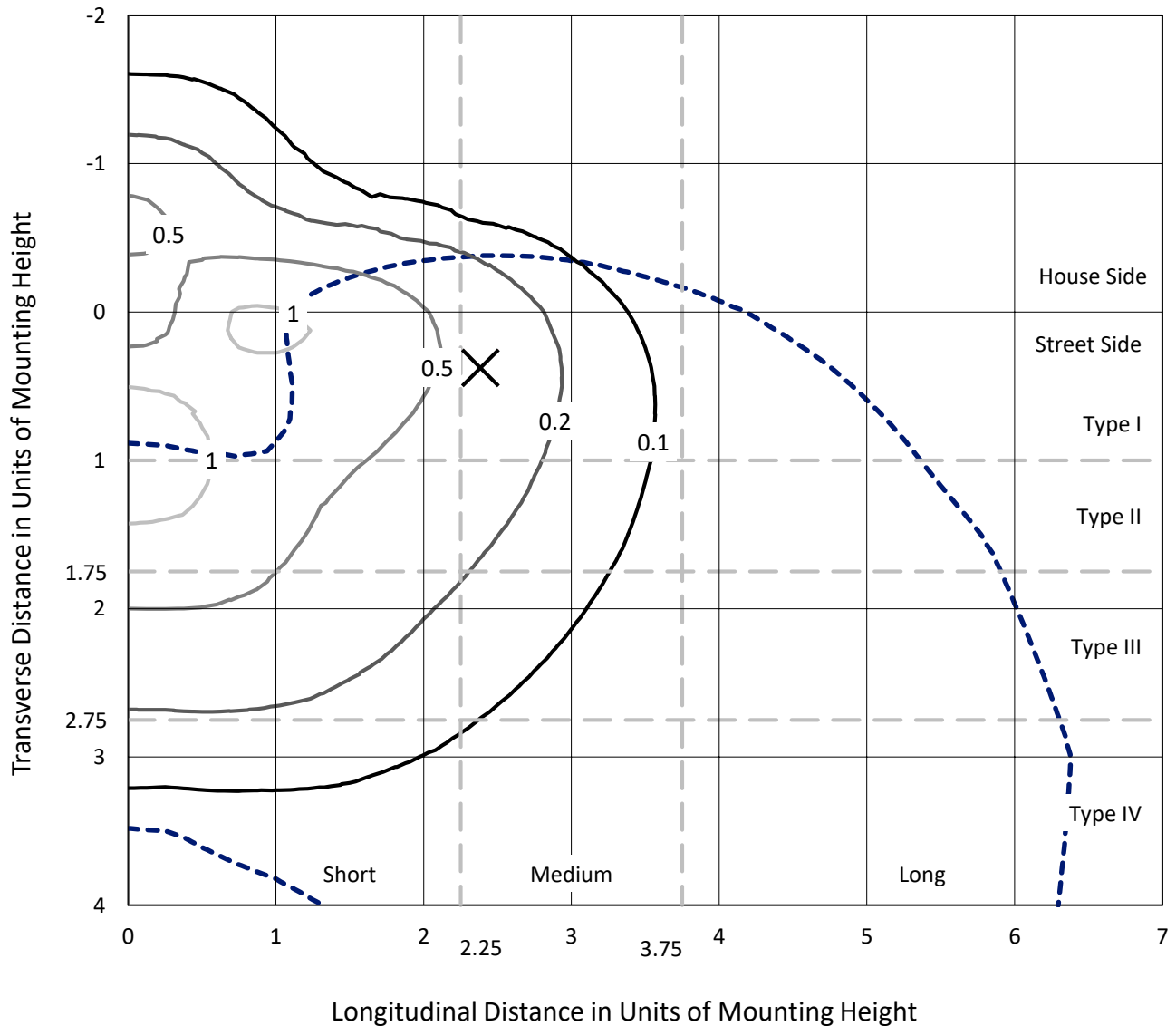


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

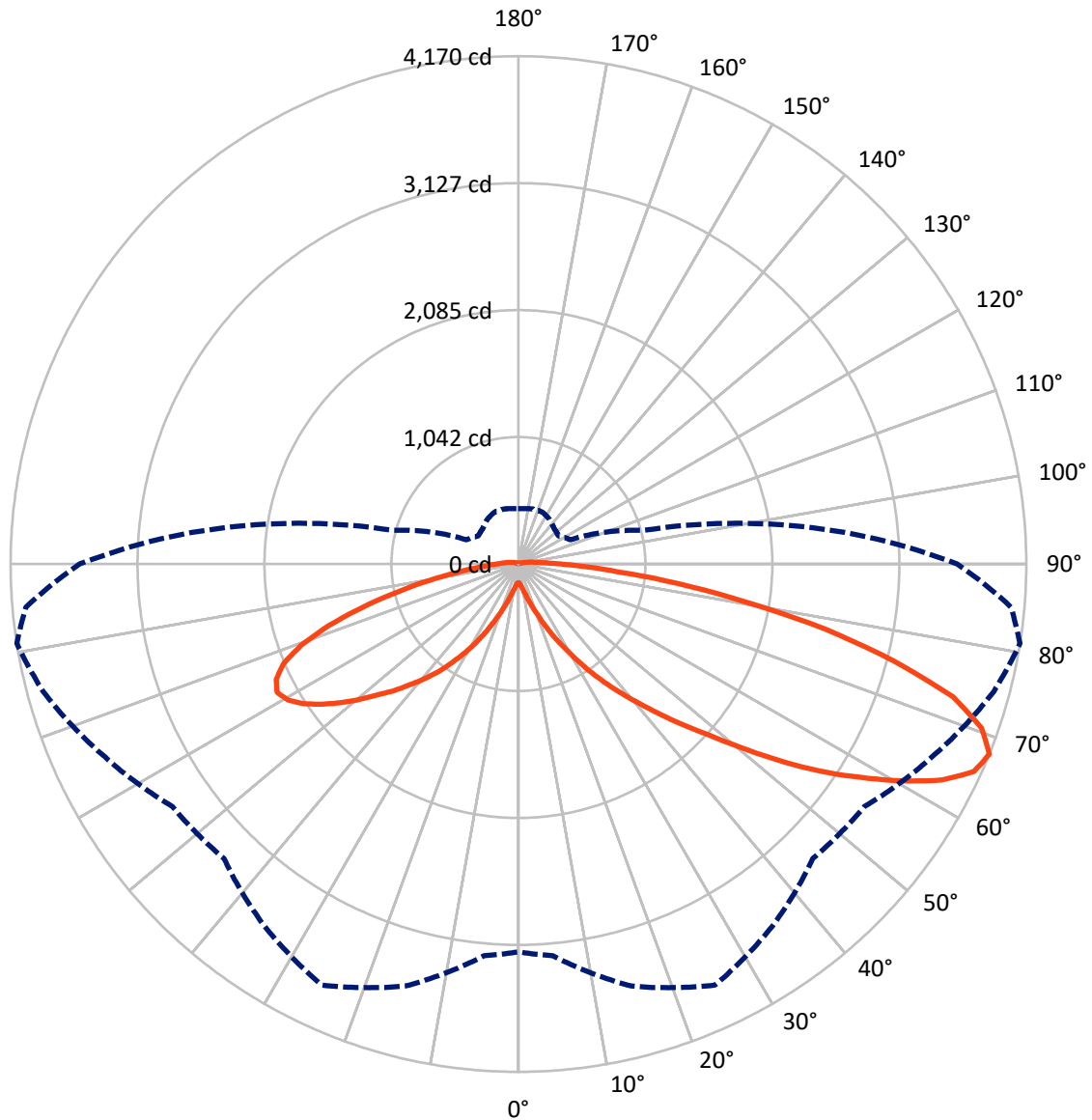


Based on 25 foot mounting height. Maximum calculated value = 1.4 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 81-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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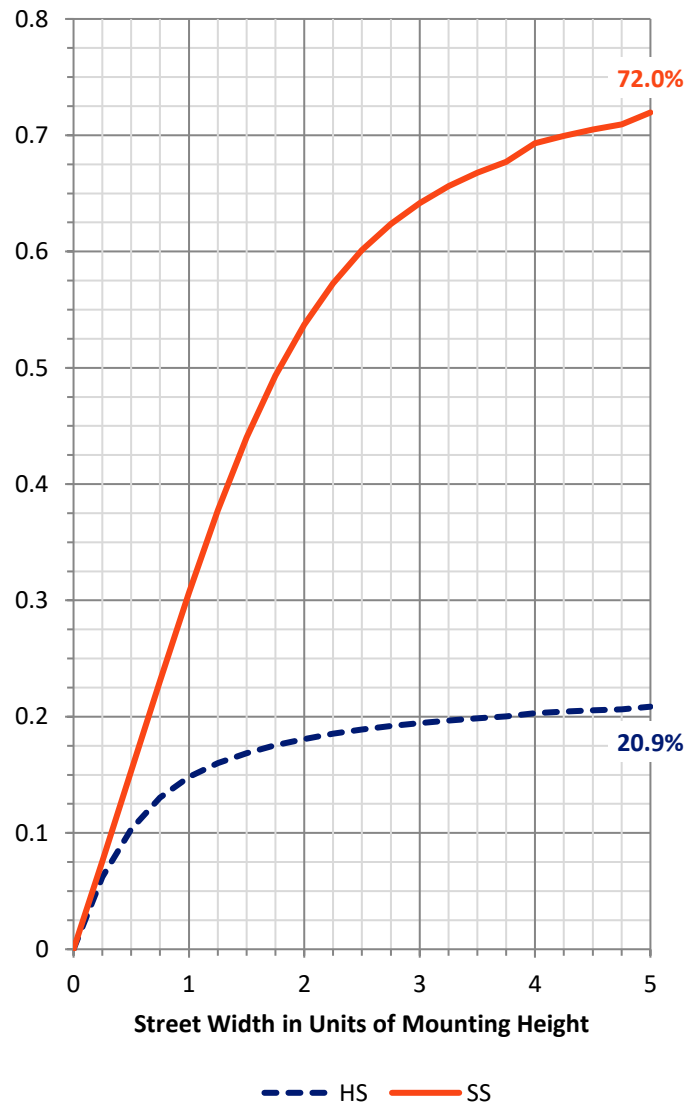
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1884.8	134.0	2018.8
	% Fixture	21.9	1.6	23.4
<b>Street Side</b>	Lumens	6422.7	168.5	6591.3
	% Fixture	74.6	2.0	76.6
<b>Total</b>	Lumens	8307.5	302.6	8610.1
	% Fixture	96.5	3.5	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	17.8	0.2
10°-20°	88.9	1.0
20°-30°	265.1	3.1
30°-40°	575.6	6.7
40°-50°	1009.3	11.7
50°-60°	1599.5	18.6
60°-70°	2158.4	25.1
70°-80°	1851.9	21.5
80°-90°	740.9	8.6
90°-100°	180.3	2.1
100°-110°	63.3	0.7
110°-120°	29.0	0.3
120°-130°	15.7	0.2
130°-140°	8.8	0.1
140°-150°	4.1	0.0
150°-160°	1.3	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	8307.5	96.5
0°-180°	8610.1	100.0



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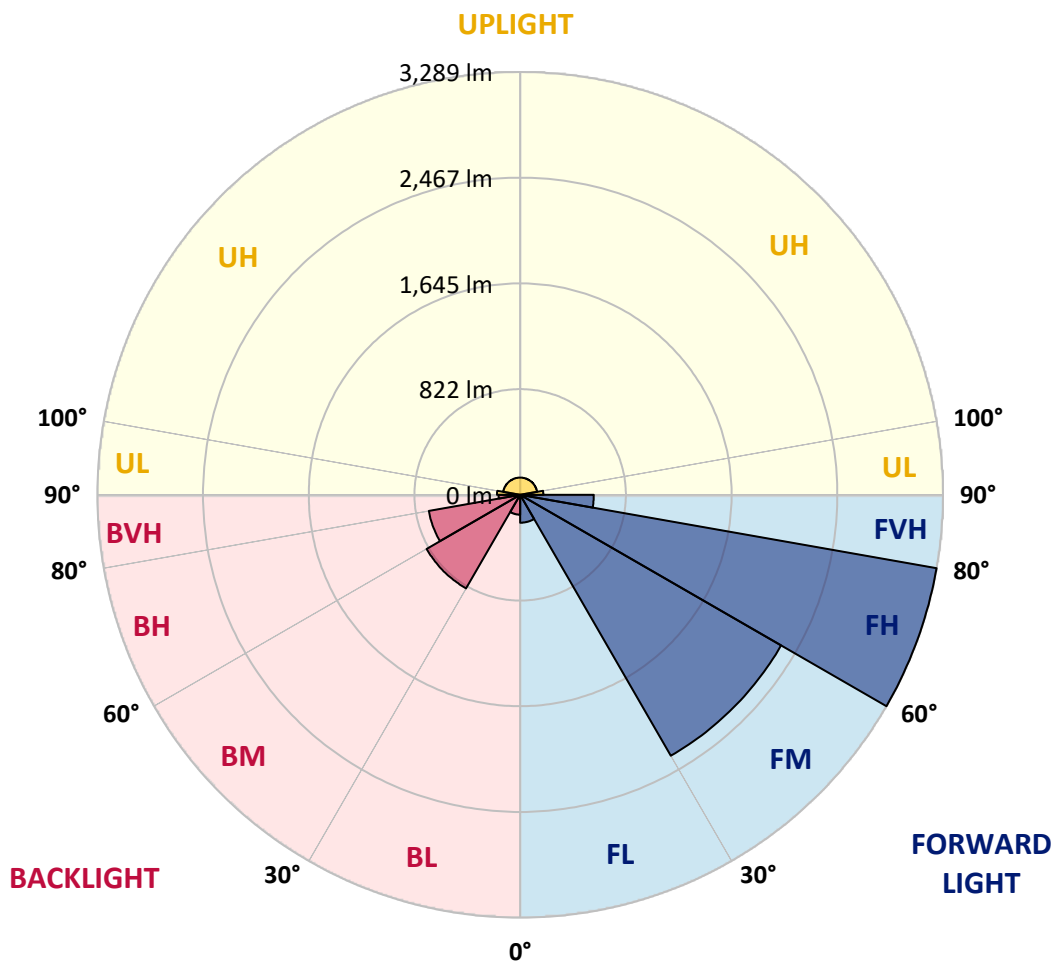
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	217.2	2.5			
FM	(30°-60°)	2343.6	27.2			
FH	(60°-80°)	3289.2	38.2			G2/5000
FVH	(80°-90°)	572.7	6.7			G4/750
BL	(0°-30°)	154.6	1.8	B1/500		
BM	(30°-60°)	840.8	9.8	B1/1000		
BH	(60°-80°)	721.1	8.4	B2/1000		G2/1000
BVH	(80°-90°)	168.2	2.0			G2/225
UL	(90°-100°)	180.3	2.1		U3/500	
UH	(100°-180°)	134.0	1.6		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°	75°	81°	85°
0°	155.0	155.0	155.0	155.0	155.0	155.0	155.0	155.0	155.0	155.0	155.0
2.5°	169.0	168.0	168.0	169.0	169.0	169.0	166.0	163.0	160.0	159.0	158.0
5°	192.0	190.0	190.0	190.0	189.0	186.0	182.0	178.0	174.0	172.0	170.0
7.5°	222.0	221.0	220.0	217.0	216.0	211.0	205.0	199.0	193.0	191.0	189.0
10°	263.0	262.0	257.0	256.0	251.0	246.0	237.0	228.0	220.0	217.0	214.0
12.5°	315.0	315.0	308.0	300.0	294.0	284.0	276.0	265.0	259.0	255.0	251.0
15°	383.0	379.0	370.0	361.0	345.0	333.0	321.0	315.0	311.0	306.0	300.0
17.5°	458.0	453.0	445.0	427.0	406.0	389.0	378.0	372.0	370.0	367.0	360.0
20°	548.0	542.0	531.0	503.0	480.0	457.0	444.0	441.0	443.0	438.0	431.0
22.5°	655.0	651.0	628.0	593.0	561.0	529.0	517.0	519.0	523.0	530.0	526.0
25°	777.0	767.0	745.0	695.0	642.0	611.0	599.0	608.0	626.0	636.0	628.0
27.5°	919.0	913.0	869.0	804.0	735.0	693.0	684.0	710.0	741.0	749.0	749.0
30°	1069.0	1073.0	1009.0	932.0	845.0	787.0	776.0	813.0	866.0	871.0	884.0
32.5°	1259.0	1252.0	1185.0	1059.0	956.0	881.0	874.0	926.0	993.0	1019.0	1019.0
35°	1458.0	1451.0	1369.0	1220.0	1077.0	980.0	985.0	1040.0	1131.0	1164.0	1169.0
37.5°	1687.0	1664.0	1575.0	1390.0	1209.0	1095.0	1086.0	1169.0	1276.0	1323.0	1323.0
40°	1938.9	1925.9	1801.9	1583.0	1344.0	1214.0	1207.0	1303.0	1433.0	1485.0	1495.0
42.5°	2183.9	2166.9	2051.9	1769.9	1500.0	1340.0	1341.0	1446.0	1595.0	1667.0	1680.0
45°	2442.9	2426.9	2300.9	1999.9	1669.0	1496.0	1484.0	1615.0	1792.9	1872.9	1887.9
47.5°	2672.9	2661.9	2552.9	2228.9	1878.9	1663.0	1647.0	1797.9	2003.9	2092.9	2137.9
50°	2922.9	2908.9	2806.9	2472.9	2087.9	1840.9	1839.9	2001.9	2259.9	2367.9	2404.9
52.5°	3125.9	3109.9	3038.9	2717.9	2294.9	2048.9	2031.9	2230.9	2524.9	2679.9	2697.9
55°	3312.9	3306.9	3282.9	2980.9	2546.9	2252.9	2263.9	2499.9	2826.9	3001.9	3028.9
57.5°	3447.9	3455.9	3466.9	3244.9	2793.9	2480.9	2500.9	2769.9	3140.9	3303.9	3340.9
60°	3539.9	3567.9	3640.9	3474.9	3045.9	2729.9	2763.9	3036.9	3442.9	3616.9	3646.9
62.5°	3546.9	3576.9	3746.9	3689.9	3287.9	2984.9	3023.9	3311.9	3712.9	3905.9	3908.9
65°	3413.9	3454.9	3726.9	3805.9	3500.9	3228.9	3263.9	3556.9	3938.9	4109.9	4047.9
67.5°	3184.9	3227.9	3587.9	3815.9	3632.9	3418.9	3468.9	3746.9	4040.9	4169.9	4059.9
70°	2852.9	2894.9	3273.9	3664.9	3656.9	3530.9	3596.9	3824.9	4021.9	4034.9	3879.9
72.5°	2416.9	2412.9	2821.9	3334.9	3523.9	3521.9	3626.9	3765.9	3804.9	3731.9	3501.9
75°	1850.9	1902.9	2275.9	2857.9	3220.9	3362.9	3468.9	3521.9	3409.9	3183.9	2934.9
77.5°	1326.0	1369.0	1707.9	2252.9	2770.9	3032.9	3149.9	3124.9	2846.9	2581.9	2295.9
80°	878.0	903.0	1186.0	1682.0	2233.9	2537.9	2678.9	2582.9	2229.9	1890.9	1644.0
82.5°	527.0	568.0	746.0	1182.0	1657.0	2005.9	2091.9	1931.9	1592.0	1316.0	1135.0
85°	319.0	328.0	464.0	756.0	1157.0	1443.0	1525.0	1353.0	1047.0	822.0	682.0
87.5°	179.0	195.0	287.0	492.0	778.0	1002.0	1031.0	891.0	657.0	510.0	427.0
90°	105.0	116.0	176.0	305.0	496.0	648.0	656.0	539.0	389.0	307.0	273.0
92.5°	67.0	75.0	117.0	196.0	319.0	421.0	410.0	333.0	249.0	205.0	177.0
95°	48.0	52.0	82.0	135.0	214.0	265.0	261.0	209.0	167.0	143.0	130.0
97.5°	36.0	40.0	64.0	99.0	144.0	178.0	174.0	139.0	116.0	105.0	100.0
100°	30.0	32.0	52.0	78.0	107.0	128.0	126.0	103.0	87.0	79.0	77.0
102.5°	26.0	28.0	43.0	63.0	85.0	99.0	95.0	80.0	66.0	59.0	57.0
105°	23.0	24.0	37.0	54.0	70.0	78.0	77.0	64.0	51.0	44.0	43.0
107.5°	21.0	22.0	32.0	46.0	59.0	66.0	64.0	52.0	39.0	34.0	33.0
110°	19.0	20.0	28.0	40.0	50.0	56.0	53.0	43.0	31.0	26.0	26.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
112.5°	18.0	18.0	25.0	34.0	43.0	48.0	45.0	35.0	24.0	21.0	22.0
115°	17.0	17.0	22.0	30.0	38.0	42.0	38.0	29.0	20.0	18.0	18.0
117.5°	16.0	16.0	20.0	27.0	34.0	37.0	33.0	25.0	17.0	15.0	16.0
120°	15.0	16.0	19.0	24.0	30.0	32.0	29.0	21.0	14.0	14.0	15.0
122.5°	15.0	15.0	18.0	22.0	27.0	28.0	25.0	18.0	13.0	13.0	13.0
125°	15.0	15.0	17.0	20.0	24.0	25.0	21.0	15.0	12.0	12.0	12.0
127.5°	15.0	15.0	16.0	19.0	21.0	22.0	19.0	14.0	11.0	11.0	12.0
130°	14.0	15.0	15.0	17.0	19.0	19.0	16.0	12.0	10.0	10.0	11.0
132.5°	14.0	14.0	15.0	16.0	17.0	17.0	14.0	11.0	9.0	10.0	10.0
135°	14.0	14.0	14.0	15.0	16.0	15.0	12.0	9.0	8.0	9.0	9.0
137.5°	13.0	13.0	13.0	14.0	14.0	13.0	11.0	8.0	8.0	8.0	8.0
140°	12.0	12.0	12.0	12.0	13.0	12.0	9.0	7.0	7.0	7.0	7.0
142.5°	11.0	11.0	11.0	11.0	11.0	10.0	8.0	6.0	6.0	6.0	6.0
145°	10.0	10.0	10.0	10.0	9.0	8.0	6.0	5.0	5.0	6.0	6.0
147.5°	8.0	8.0	8.0	8.0	8.0	7.0	5.0	4.0	5.0	5.0	5.0
150°	7.0	7.0	7.0	7.0	6.0	6.0	4.0	4.0	4.0	5.0	5.0
152.5°	5.0	5.0	5.0	6.0	5.0	4.0	3.0	3.0	4.0	4.0	4.0
155°	4.0	4.0	4.0	4.0	4.0	3.0	2.0	3.0	4.0	4.0	4.0
157.5°	2.0	3.0	3.0	3.0	3.0	3.0	2.0	3.0	3.0	3.0	3.0
160°	1.0	1.0	2.0	2.0	3.0	3.0	2.0	2.0	3.0	3.0	3.0
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°	155.0	155.0	155.0	155.0	155.0	155.0	155.0	155.0	155.0	155.0	155.0
2.5°	158.0	157.0	156.0	155.0	154.0	154.0	153.0	152.0	151.0	150.0	150.0
5°	169.0	167.0	164.0	162.0	160.0	160.0	158.0	157.0	155.0	154.0	154.0
7.5°	186.0	185.0	179.0	176.0	173.0	172.0	170.0	168.0	166.0	166.0	166.0
10°	211.0	208.0	203.0	195.0	192.0	190.0	187.0	185.0	185.0	186.0	186.0
12.5°	249.0	241.0	234.0	223.0	217.0	213.0	211.0	212.0	217.0	219.0	217.0
15°	293.0	291.0	274.0	258.0	246.0	238.0	243.0	249.0	256.0	258.0	261.0
17.5°	354.0	347.0	324.0	301.0	279.0	275.0	281.0	291.0	299.0	305.0	310.0
20°	427.0	415.0	387.0	347.0	322.0	316.0	320.0	334.0	349.0	361.0	362.0
22.5°	519.0	501.0	451.0	401.0	364.0	354.0	359.0	381.0	403.0	418.0	417.0
25°	619.0	597.0	530.0	458.0	407.0	389.0	398.0	427.0	458.0	476.0	478.0
27.5°	731.0	709.0	616.0	513.0	446.0	419.0	434.0	467.0	509.0	531.0	535.0
30°	863.0	833.0	702.0	572.0	482.0	447.0	461.0	504.0	550.0	581.0	585.0
32.5°	1000.0	953.0	788.0	620.0	507.0	465.0	481.0	531.0	584.0	618.0	624.0
35°	1142.0	1084.0	875.0	661.0	525.0	476.0	492.0	548.0	604.0	641.0	646.0
37.5°	1302.0	1225.0	954.0	692.0	535.0	479.0	495.0	551.0	608.0	644.0	649.0
40°	1463.0	1360.0	1020.0	711.0	536.0	476.0	489.0	543.0	597.0	628.0	633.0
42.5°	1636.0	1502.0	1086.0	716.0	531.0	468.0	479.0	527.0	573.0	597.0	600.0
45°	1829.9	1666.0	1142.0	712.0	517.0	456.0	464.0	505.0	541.0	552.0	557.0
47.5°	2034.9	1827.9	1185.0	700.0	503.0	443.0	448.0	482.0	505.0	506.0	507.0
50°	2284.9	2024.9	1238.0	683.0	484.0	431.0	434.0	461.0	472.0	467.0	465.0
52.5°	2558.9	2235.9	1272.0	656.0	467.0	420.0	423.0	444.0	448.0	437.0	438.0
55°	2856.9	2432.9	1301.0	630.0	449.0	413.0	419.0	436.0	436.0	422.0	421.0
57.5°	3134.9	2633.9	1314.0	597.0	434.0	408.0	418.0	435.0	433.0	420.0	419.0
60°	3403.9	2797.9	1298.0	565.0	424.0	406.0	424.0	442.0	440.0	429.0	428.0
62.5°	3589.9	2900.9	1258.0	533.0	415.0	409.0	431.0	452.0	452.0	440.0	440.0
65°	3669.9	2888.9	1176.0	501.0	408.0	411.0	441.0	463.0	461.0	451.0	449.0
67.5°	3602.9	2779.9	1066.0	470.0	402.0	413.0	446.0	469.0	467.0	456.0	454.0
70°	3387.9	2550.9	933.0	442.0	394.0	410.0	448.0	468.0	465.0	455.0	451.0
72.5°	2959.9	2194.9	794.0	415.0	382.0	403.0	442.0	460.0	457.0	449.0	444.0
75°	2437.9	1769.9	656.0	385.0	367.0	390.0	429.0	445.0	441.0	434.0	429.0
77.5°	1863.9	1337.0	542.0	357.0	349.0	373.0	411.0	423.0	419.0	413.0	410.0
80°	1319.0	952.0	436.0	326.0	323.0	347.0	379.0	392.0	390.0	384.0	379.0
82.5°	868.0	633.0	348.0	291.0	293.0	318.0	342.0	349.0	348.0	343.0	337.0
85°	535.0	417.0	274.0	251.0	260.0	280.0	300.0	301.0	298.0	297.0	288.0
87.5°	341.0	285.0	215.0	213.0	226.0	243.0	252.0	248.0	250.0	250.0	243.0
90°	222.0	200.0	172.0	178.0	192.0	205.0	209.0	198.0	204.0	201.0	198.0
92.5°	161.0	149.0	140.0	148.0	162.0	174.0	172.0	160.0	163.0	163.0	162.0
95°	122.0	116.0	117.0	125.0	136.0	144.0	140.0	130.0	131.0	129.0	126.0
97.5°	96.0	95.0	99.0	105.0	115.0	120.0	116.0	107.0	106.0	103.0	102.0
100°	76.0	77.0	83.0	90.0	96.0	100.0	97.0	88.0	84.0	79.0	78.0
102.5°	59.0	61.0	69.0	75.0	81.0	84.0	81.0	74.0	67.0	62.0	61.0
105°	46.0	48.0	57.0	63.0	68.0	70.0	68.0	60.0	53.0	47.0	47.0
107.5°	36.0	38.0	47.0	54.0	57.0	59.0	56.0	50.0	42.0	37.0	37.0
110°	29.0	31.0	39.0	45.0	48.0	50.0	47.0	40.0	34.0	30.0	30.0



REPORT NUMBER: P416837

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

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	23.0	26.0	32.0	38.0	41.0	42.0	39.0	34.0	27.0	25.0	25.0
115°	20.0	22.0	27.0	32.0	35.0	35.0	33.0	28.0	22.0	21.0	21.0
117.5°	17.0	19.0	23.0	28.0	30.0	30.0	28.0	23.0	19.0	18.0	18.0
120°	16.0	17.0	20.0	24.0	26.0	26.0	24.0	20.0	16.0	16.0	16.0
122.5°	14.0	15.0	18.0	21.0	23.0	23.0	21.0	17.0	14.0	15.0	15.0
125°	13.0	14.0	16.0	18.0	20.0	20.0	18.0	15.0	13.0	13.0	13.0
127.5°	12.0	13.0	14.0	16.0	17.0	17.0	16.0	13.0	12.0	12.0	12.0
130°	11.0	12.0	13.0	14.0	15.0	15.0	13.0	11.0	11.0	11.0	11.0
132.5°	11.0	11.0	11.0	12.0	13.0	13.0	12.0	10.0	10.0	10.0	10.0
135°	10.0	10.0	10.0	10.0	11.0	11.0	10.0	9.0	9.0	9.0	9.0
137.5°	9.0	9.0	9.0	9.0	10.0	10.0	9.0	8.0	8.0	8.0	8.0
140°	8.0	8.0	8.0	7.0	8.0	8.0	7.0	7.0	7.0	7.0	7.0
142.5°	6.0	7.0	6.0	6.0	6.0	6.0	6.0	5.0	6.0	6.0	6.0
145°	6.0	6.0	6.0	5.0	5.0	5.0	5.0	4.0	5.0	5.0	5.0
147.5°	5.0	5.0	5.0	4.0	3.0	4.0	3.0	4.0	4.0	4.0	4.0
150°	5.0	5.0	4.0	4.0	3.0	2.0	2.0	3.0	3.0	3.0	3.0
152.5°	4.0	4.0	4.0	3.0	2.0	1.0	1.0	2.0	2.0	2.0	2.0
155°	4.0	4.0	3.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0
157.5°	3.0	3.0	3.0	2.0	2.0	1.0	0.0	1.0	0.0	0.0	0.0
160°	3.0	3.0	3.0	2.0	1.0	1.0	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)