

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: P417348

Luminaire Tested: **LXF.LXT-PA1-90-827-U-T3-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417348
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-22)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-90-827-U-T3-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6899 lumens
Efficiency: N/A
Efficacy: 73.4 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 - G3

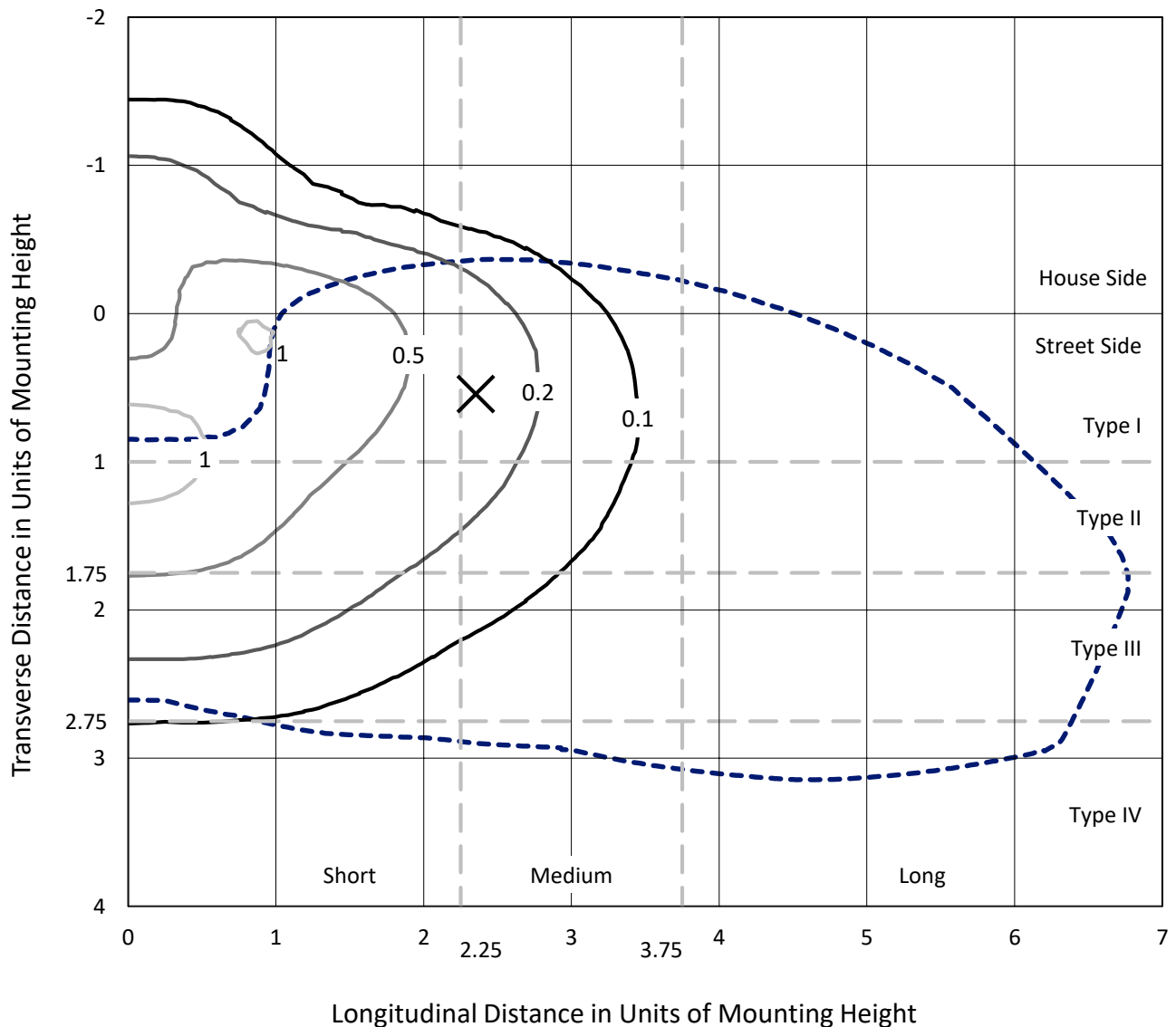
Input Watts (W): 94
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

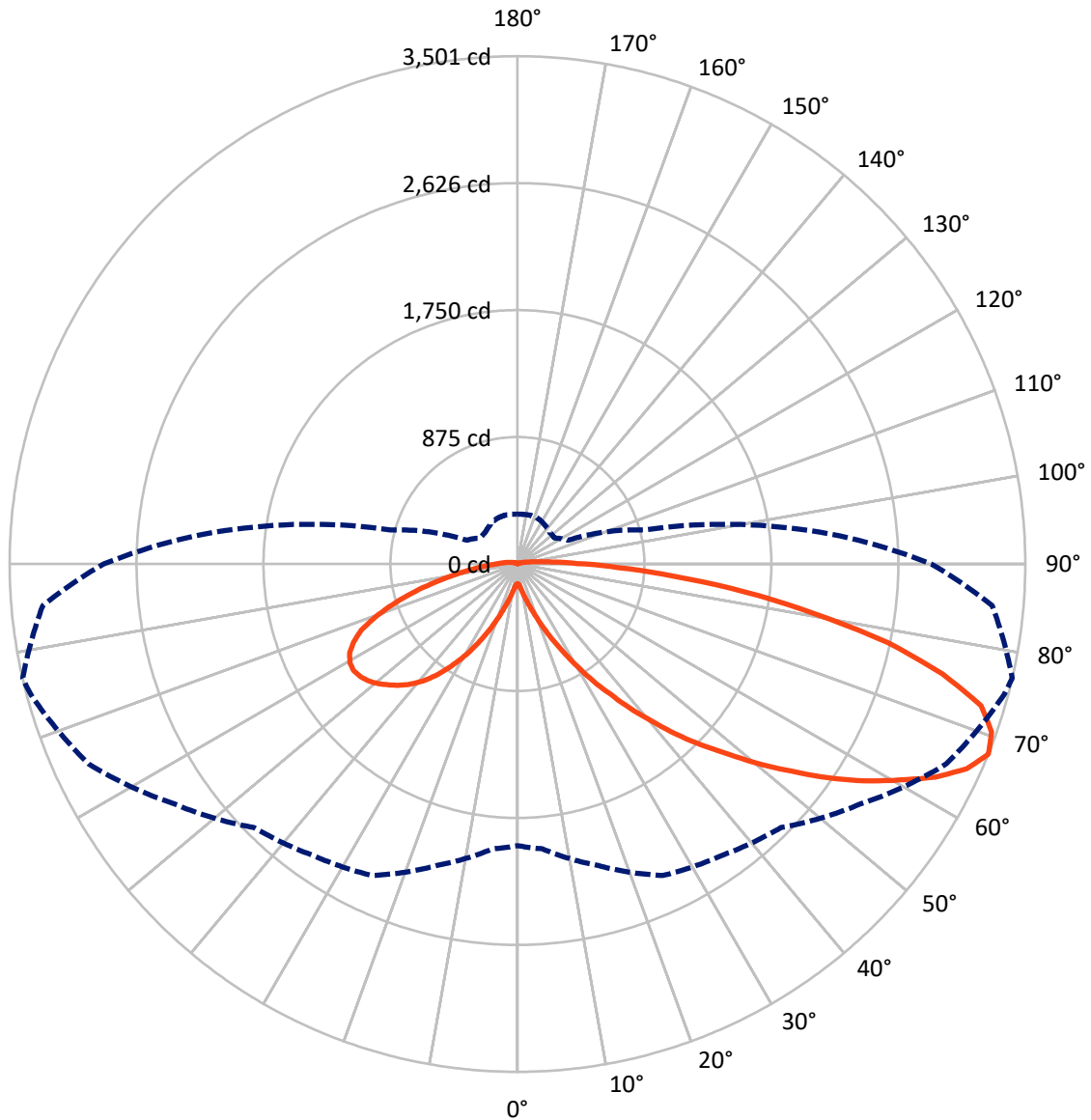
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1573.9	103.6	1677.6
	% Fixture	22.8	1.5	24.3
Street Side	Lumens	5106.0	115.4	5221.4
	% Fixture	74.0	1.7	75.7
Total	Lumens	6679.9	219.1	6899.0
	% Fixture	96.8	3.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.7	0.2
10°-20°	80.0	1.2
20°-30°	239.1	3.5
30°-40°	529.5	7.7
40°-50°	948.2	13.7
50°-60°	1420.1	20.6
60°-70°	1673.9	24.3
70°-80°	1278.0	18.5
80°-90°	495.4	7.2
90°-100°	126.3	1.8
100°-110°	47.8	0.7
110°-120°	22.5	0.3
120°-130°	12.0	0.2
130°-140°	6.6	0.1
140°-150°	3.0	0.0
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6679.9	96.8
0°-180°	6899.0	100.0



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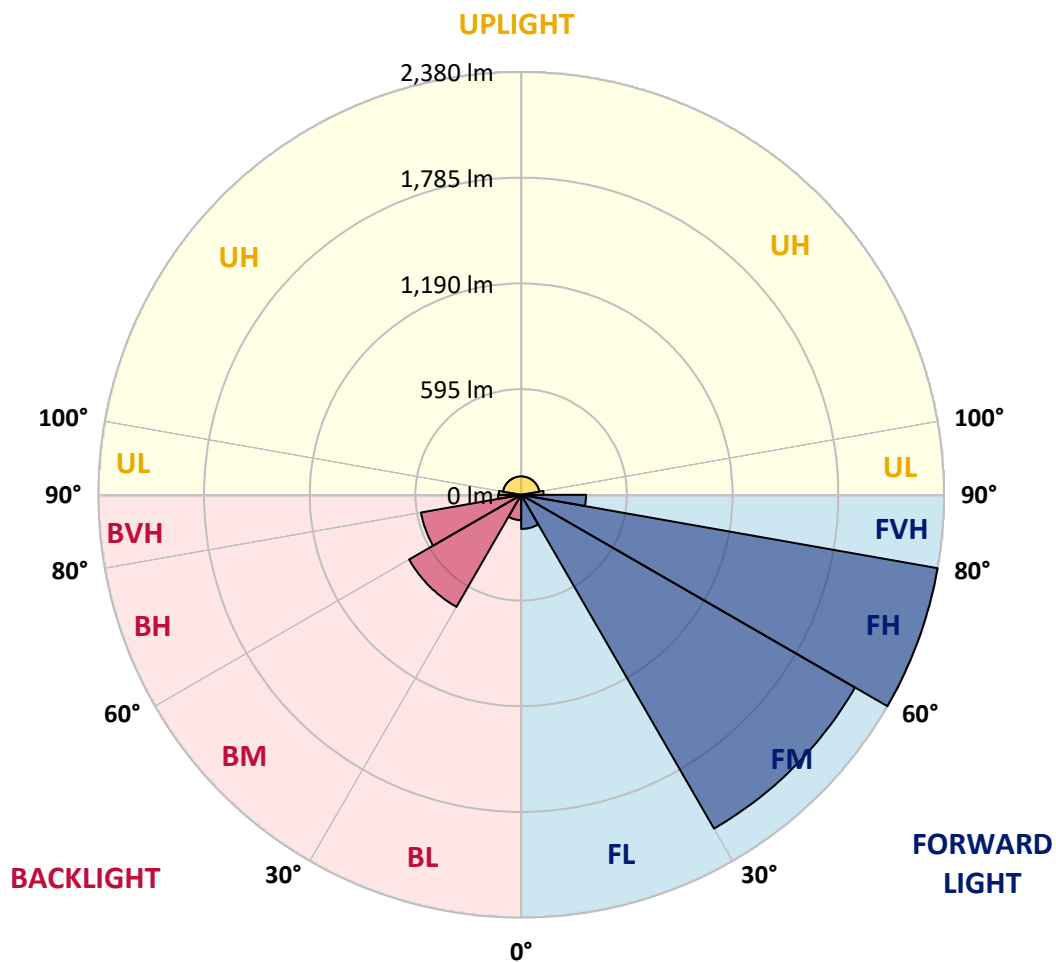
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	192.3	2.8			
FM	(30°-60°)	2169.2	31.4			
FH	(60°-80°)	2379.6	34.5			G2/5000
FVH	(80°-90°)	364.9	5.3			G3/500
BL	(0°-30°)	142.5	2.1	B1/500		
BM	(30°-60°)	728.6	10.6	B1/1000		
BH	(60°-80°)	572.4	8.3	B2/1000		G2/1000
BVH	(80°-90°)	130.5	1.9			G2/225
UL	(90°-100°)	126.3	1.8		U3/500	
UH	(100°-180°)	103.6	1.5		U3/500	

BUG Rating: B2-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	135.5	135.5	135.5	135.5	135.5	135.5	135.5	135.5	135.5	135.5	135.5
2.5°	143.5	142.7	143.5	143.5	144.3	142.7	141.1	140.3	139.5	139.5	138.7
5°	158.5	156.9	157.7	158.5	157.7	156.1	153.8	153.0	151.4	151.4	149.8
7.5°	179.9	179.9	179.1	177.5	179.1	176.7	175.2	174.4	172.0	171.2	170.4
10°	212.4	210.8	210.0	208.5	206.9	206.1	202.9	202.9	198.9	200.5	198.1
12.5°	254.4	251.3	252.0	248.9	244.1	240.9	239.4	238.6	238.6	238.6	237.8
15°	305.1	302.8	302.0	294.8	290.1	286.1	283.0	283.7	287.7	288.5	285.3
17.5°	363.0	367.0	359.8	353.5	346.4	338.4	338.4	338.4	341.6	344.0	342.4
20°	443.9	435.9	428.0	417.7	405.8	399.5	396.3	405.8	411.4	415.3	413.7
22.5°	532.6	524.7	516.0	499.3	482.7	470.8	470.8	482.7	495.4	500.1	501.7
25°	633.3	638.0	616.6	591.3	561.2	550.9	552.4	569.9	588.9	592.9	602.4
27.5°	757.7	757.7	739.5	699.1	659.4	638.8	640.4	669.0	697.5	703.0	710.2
30°	909.1	903.6	879.0	825.1	772.8	733.9	741.1	776.0	821.1	825.9	834.6
32.5°	1077.9	1077.1	1029.6	963.0	887.7	841.7	844.9	895.6	951.9	965.4	974.9
35°	1265.0	1269.7	1207.9	1111.2	1024.0	962.2	972.5	1030.4	1096.2	1099.3	1111.2
37.5°	1479.0	1476.6	1402.9	1297.5	1167.5	1101.7	1093.8	1172.2	1241.2	1261.8	1255.5
40°	1716.0	1690.6	1619.3	1488.5	1328.4	1240.4	1242.0	1322.8	1416.4	1422.7	1421.1
42.5°	1949.8	1938.7	1852.3	1675.5	1504.3	1400.5	1404.5	1482.2	1578.9	1603.4	1586.0
45°	2201.8	2174.1	2080.6	1898.3	1689.8	1577.3	1567.0	1654.1	1760.4	1779.4	1762.7
47.5°	2405.5	2388.1	2305.7	2111.5	1888.8	1744.5	1728.7	1835.7	1956.9	1958.5	1933.9
50°	2574.4	2565.6	2500.6	2328.6	2081.4	1931.6	1914.9	2021.1	2147.9	2168.5	2132.9
52.5°	2720.2	2705.9	2673.4	2503.8	2256.5	2091.7	2089.3	2205.8	2364.3	2373.8	2339.7
55°	2767.0	2775.7	2770.9	2651.2	2428.5	2250.2	2270.0	2426.9	2568.8	2602.1	2537.9
57.5°	2759.8	2759.8	2805.0	2750.3	2543.4	2393.6	2436.4	2625.9	2810.5	2820.8	2744.0
60°	2652.0	2654.4	2763.0	2778.0	2625.9	2516.5	2617.2	2828.0	3017.4	3023.8	2951.6
62.5°	2496.7	2491.1	2650.4	2726.5	2636.2	2589.4	2746.3	3004.7	3212.4	3233.8	3125.2
65°	2254.1	2264.4	2436.4	2587.8	2582.3	2617.2	2847.0	3164.0	3370.9	3401.8	3244.9
67.5°	1941.1	1971.2	2151.9	2369.1	2453.1	2568.8	2884.3	3261.5	3473.9	3500.9	3285.3
70°	1608.2	1601.0	1796.8	2069.5	2233.5	2445.2	2843.0	3265.5	3476.3	3467.6	3198.9
72.5°	1219.8	1249.9	1425.9	1703.3	1946.6	2210.6	2709.1	3164.0	3343.2	3341.6	2970.7
75°	867.1	885.3	1040.7	1318.1	1608.2	1936.3	2442.0	2942.9	3074.5	3026.9	2640.1
77.5°	572.3	588.9	722.8	975.7	1244.4	1591.5	2082.9	2556.9	2661.5	2612.4	2218.5
80°	355.9	363.8	465.3	665.8	904.4	1233.3	1686.6	2090.9	2132.1	2082.2	1708.0
82.5°	211.6	218.0	290.9	427.2	644.4	898.0	1271.3	1602.6	1616.1	1582.0	1231.7
85°	130.0	138.7	185.5	285.3	429.6	633.3	886.1	1113.6	1123.1	1083.5	814.0
87.5°	84.8	89.6	126.0	185.5	289.3	424.0	593.7	741.1	719.7	695.1	514.4
90°	57.9	61.0	86.4	127.6	195.8	280.6	375.7	463.7	429.6	410.6	312.3
92.5°	40.4	43.6	63.4	91.9	135.5	187.8	244.1	277.4	263.1	254.4	196.6
95°	31.7	33.3	48.3	71.3	100.7	133.2	161.7	172.0	163.3	156.9	132.4
97.5°	25.4	26.9	40.4	57.9	78.5	99.1	112.5	115.7	107.0	103.8	91.9
100°	21.4	23.0	34.1	48.3	64.2	78.5	84.0	83.2	76.1	74.5	66.6
102.5°	19.0	19.8	30.1	42.0	54.7	63.4	66.6	62.6	55.5	54.7	49.9
105°	16.6	18.2	26.2	36.5	46.8	53.9	53.9	49.1	41.2	40.4	38.0
107.5°	15.9	15.9	23.0	31.7	40.4	45.2	45.2	39.6	32.5	30.9	29.3
110°	14.3	15.1	20.6	27.7	34.9	38.8	38.0	31.7	24.6	23.8	23.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	13.5	13.5	18.2	24.6	30.1	33.3	31.7	26.2	19.8	19.0	18.2
115°	12.7	12.7	16.6	22.2	26.9	29.3	26.9	21.4	15.9	15.1	15.9
117.5°	11.9	12.7	15.1	19.8	23.8	25.4	23.0	18.2	13.5	12.7	13.5
120°	11.9	11.9	14.3	17.4	20.6	22.2	19.8	15.1	11.1	11.1	11.9
122.5°	11.9	11.9	13.5	15.9	18.2	19.0	16.6	12.7	10.3	10.3	11.1
125°	11.1	11.1	12.7	14.3	16.6	16.6	15.1	11.1	8.7	8.7	10.3
127.5°	11.1	11.1	11.9	13.5	15.1	15.1	12.7	9.5	7.9	8.7	9.5
130°	10.3	10.3	11.1	11.9	13.5	12.7	11.1	8.7	7.1	7.9	8.7
132.5°	10.3	10.3	10.3	11.1	11.9	11.1	9.5	7.1	7.1	7.1	7.9
135°	9.5	9.5	10.3	10.3	10.3	9.5	7.9	6.3	6.3	6.3	7.1
137.5°	9.5	9.5	9.5	9.5	9.5	8.7	7.1	5.5	5.5	5.5	6.3
140°	8.7	8.7	8.7	7.9	7.9	7.1	5.5	4.8	4.8	4.8	5.5
142.5°	7.9	7.9	7.9	7.1	7.1	5.5	4.8	4.0	4.0	4.8	4.8
145°	7.1	7.1	7.1	6.3	5.5	4.8	3.2	3.2	4.0	4.0	4.8
147.5°	5.5	5.5	5.5	5.5	4.0	4.0	2.4	3.2	3.2	4.0	4.0
150°	4.8	4.8	4.8	4.8	3.2	2.4	1.6	2.4	3.2	3.2	3.2
152.5°	4.0	4.0	4.0	4.0	2.4	1.6	1.6	2.4	2.4	2.4	3.2
155°	2.4	2.4	3.2	2.4	1.6	0.8	1.6	1.6	2.4	2.4	2.4
157.5°	1.6	1.6	1.6	1.6	0.8	0.8	0.8	1.6	1.6	1.6	2.4
160°	0.8	0.8	1.6	1.6	1.6	0.8	0.8	0.8	1.6	1.6	1.6
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°	135.5	135.5	135.5	135.5	135.5	135.5	135.5	135.5	135.5	135.5	135.5
2.5°	137.9	138.7	137.9	137.1	137.1	136.3	136.3	136.3	136.3	135.5	135.5
5°	150.6	149.8	149.0	147.4	145.8	144.3	144.3	143.5	142.7	141.9	141.9
7.5°	168.0	168.0	166.4	164.1	161.7	160.1	158.5	157.7	155.3	155.3	154.6
10°	195.0	195.0	190.2	187.8	183.9	179.9	178.3	176.0	174.4	173.6	172.8
12.5°	233.8	231.4	226.7	218.8	210.8	204.5	200.5	198.9	199.7	199.7	200.5
15°	283.7	279.0	271.9	256.8	242.5	233.0	230.6	230.6	231.4	231.4	232.2
17.5°	343.2	336.1	320.2	301.2	280.6	267.9	262.3	262.3	263.9	266.3	268.7
20°	415.3	409.0	384.4	351.1	320.2	303.6	294.1	293.3	296.4	303.6	302.0
22.5°	497.0	489.8	453.4	405.0	362.2	335.3	325.0	328.1	336.1	340.8	340.8
25°	595.2	583.4	528.7	458.1	403.4	365.4	351.9	356.7	368.6	374.1	376.5
27.5°	700.7	684.8	611.9	516.0	435.9	390.0	375.7	382.0	396.3	405.0	407.4
30°	825.9	798.1	699.1	569.9	465.3	407.4	392.3	404.2	420.1	430.4	432.8
32.5°	957.5	914.7	774.4	615.8	486.7	419.3	404.2	418.5	435.9	447.8	448.6
35°	1089.0	1039.9	857.6	653.1	497.8	424.8	409.0	425.6	444.6	454.2	456.5
37.5°	1231.7	1163.5	929.7	676.9	502.5	424.0	409.0	425.6	443.9	451.8	453.4
40°	1368.8	1284.8	993.9	691.1	500.9	417.7	403.4	420.9	436.7	442.3	441.5
42.5°	1522.6	1402.1	1045.4	691.9	489.8	408.2	396.3	411.4	422.5	421.7	422.5
45°	1669.2	1526.5	1083.5	686.4	474.8	396.3	386.8	400.3	404.2	400.3	399.5
47.5°	1830.1	1650.2	1113.6	672.1	456.5	385.2	376.5	386.8	387.6	378.9	377.3
50°	2000.5	1773.8	1141.3	646.0	435.1	372.5	367.0	375.7	374.1	359.8	357.5
52.5°	2167.0	1899.1	1158.8	614.3	413.7	361.4	359.0	367.8	363.0	346.4	343.2
55°	2344.5	2014.8	1161.9	582.6	393.1	351.9	351.9	361.4	355.9	338.4	336.1
57.5°	2518.1	2136.0	1150.1	541.3	373.3	341.6	346.4	357.5	353.5	336.1	334.5
60°	2680.6	2227.2	1117.6	502.5	355.1	334.5	342.4	355.1	351.9	337.6	336.1
62.5°	2806.6	2287.4	1066.0	464.5	339.2	327.3	338.4	351.1	351.9	340.0	340.8
65°	2865.2	2287.4	991.5	426.4	325.0	320.2	334.5	348.7	350.3	343.2	343.2
67.5°	2852.6	2228.8	907.5	386.8	311.5	311.5	328.9	344.0	347.2	344.0	344.0
70°	2718.6	2070.3	792.6	355.1	298.0	301.2	320.2	336.1	340.8	341.6	340.8
72.5°	2500.6	1831.7	673.7	321.8	283.7	290.9	309.1	325.0	331.3	332.9	332.1
75°	2163.8	1555.1	557.2	294.1	268.7	277.4	296.4	309.9	317.0	320.2	318.6
77.5°	1739.0	1234.1	456.5	266.3	251.3	260.8	279.0	290.1	298.8	302.8	299.6
80°	1325.2	918.6	363.0	238.6	229.9	240.2	256.0	267.9	275.8	277.4	275.0
82.5°	940.8	651.5	290.9	212.4	206.9	215.6	229.9	237.8	247.3	246.5	241.7
85°	616.6	442.3	228.3	184.7	182.3	187.8	198.9	203.7	213.2	213.2	207.7
87.5°	401.1	293.3	179.9	155.3	157.7	162.5	168.0	172.0	176.0	176.7	172.0
90°	256.0	200.5	143.5	132.4	134.7	138.7	138.7	137.9	144.3	145.8	141.9
92.5°	168.0	142.7	118.9	112.5	114.1	114.9	114.9	111.8	117.3	118.1	114.9
95°	118.1	107.0	98.3	96.7	96.7	96.7	95.1	91.1	95.9	95.9	94.3
97.5°	88.8	83.2	82.4	82.4	82.4	81.6	79.3	77.7	79.3	79.3	78.5
100°	66.6	65.8	68.2	69.7	70.5	69.7	68.2	65.8	65.8	62.6	63.4
102.5°	50.7	52.3	57.1	59.4	59.4	59.4	58.7	55.5	53.9	50.7	49.9
105°	39.6	41.2	46.8	49.9	50.7	51.5	49.9	46.8	43.6	40.4	39.6
107.5°	30.9	33.3	38.0	42.0	43.6	43.6	42.8	39.6	35.7	31.7	31.7
110°	25.4	26.9	31.7	35.7	37.3	37.3	36.5	32.5	28.5	25.4	25.4



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CATALOG NUMBER: LXF.LXT-PA1-90-827-U-T3-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	20.6	22.2	26.9	30.1	31.7	32.5	30.9	27.7	23.8	20.6	20.6
115°	17.4	19.0	23.0	25.4	26.9	26.9	26.2	23.0	19.8	17.4	17.4
117.5°	15.1	16.6	19.8	22.2	23.0	23.8	22.2	19.8	16.6	15.1	15.1
120°	13.5	14.3	17.4	19.0	19.8	19.8	19.0	16.6	14.3	13.5	13.5
122.5°	11.9	13.5	15.1	16.6	17.4	17.4	16.6	14.3	12.7	11.9	12.7
125°	11.1	11.9	13.5	15.1	15.1	15.1	14.3	12.7	11.1	11.1	11.1
127.5°	10.3	11.1	11.9	12.7	13.5	13.5	12.7	11.1	10.3	10.3	10.3
130°	9.5	10.3	11.1	11.1	11.9	11.9	11.1	9.5	9.5	9.5	9.5
132.5°	8.7	9.5	9.5	10.3	10.3	10.3	9.5	8.7	8.7	8.7	8.7
135°	7.9	7.9	8.7	8.7	8.7	8.7	7.9	7.9	7.9	7.9	7.9
137.5°	7.1	7.1	7.9	7.1	7.9	7.1	7.1	6.3	7.1	7.1	7.1
140°	6.3	6.3	6.3	6.3	6.3	6.3	5.5	5.5	6.3	6.3	6.3
142.5°	5.5	5.5	5.5	4.8	4.8	4.8	4.8	4.8	5.5	5.5	5.5
145°	4.8	4.8	4.8	4.0	4.0	3.2	4.0	4.0	4.8	4.8	4.8
147.5°	4.0	4.0	4.0	4.0	3.2	2.4	2.4	3.2	4.0	4.0	4.0
150°	3.2	4.0	4.0	3.2	2.4	1.6	1.6	2.4	3.2	3.2	3.2
152.5°	3.2	3.2	3.2	2.4	1.6	0.8	0.8	1.6	2.4	2.4	2.4
155°	2.4	2.4	2.4	2.4	1.6	0.8	0.0	1.6	1.6	1.6	1.6
157.5°	2.4	2.4	2.4	1.6	0.8	0.0	0.0	0.8	1.6	0.8	0.8
160°	1.6	1.6	1.6	1.6	0.8	0.8	0.0	0.8	0.8	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)