

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: P416223

Luminaire Tested: **LXF.LXT-PA1-70-727-U-SL3-A**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416223  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-70-727-U-SL3-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6526 lumens  
Efficiency: N/A  
Efficacy: 88.2 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: B1 - U3 - G3

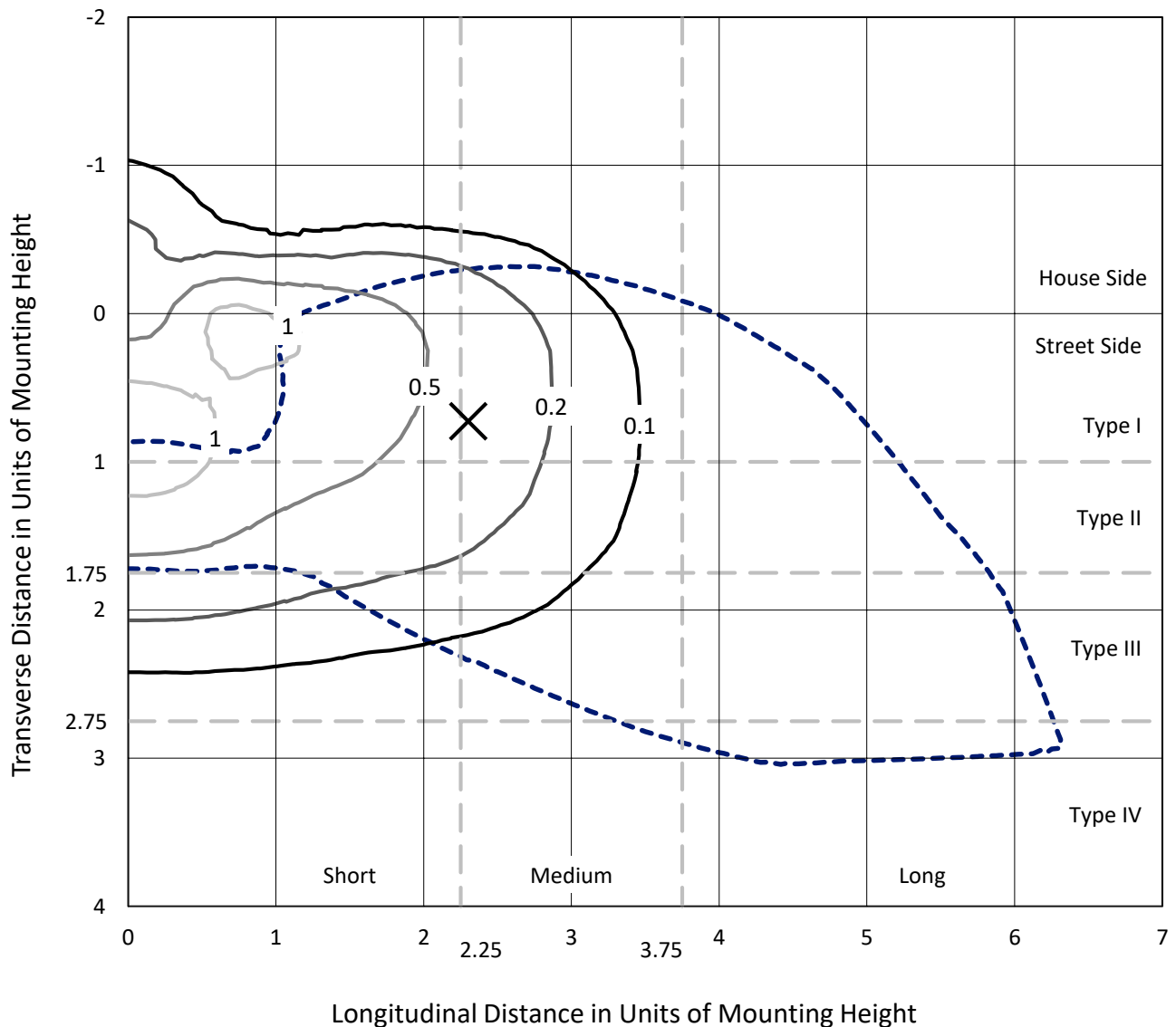
Input Watts (W): 74  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

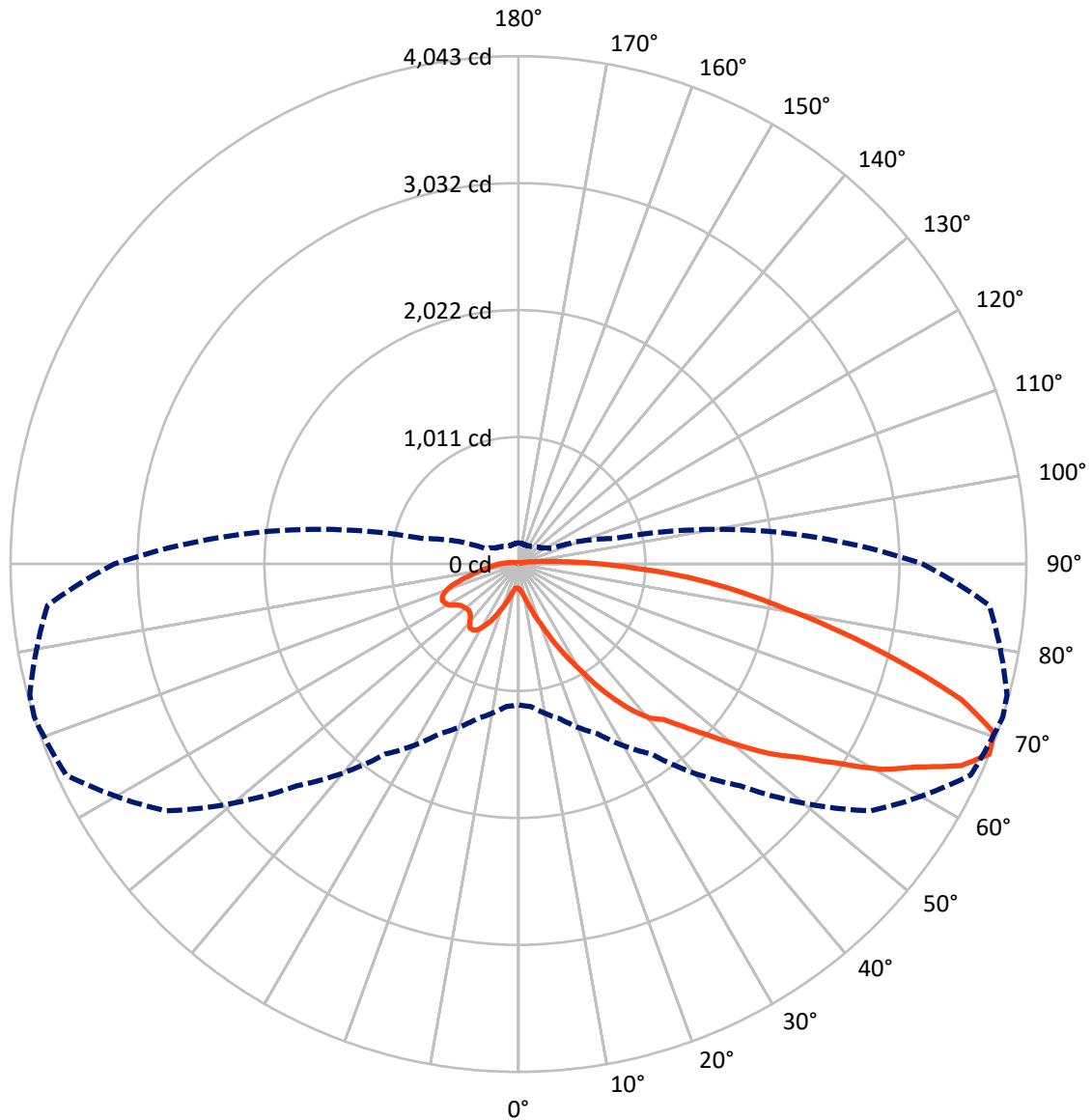
× Max cd  
 - - - 1/2 Max cd



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 72.5-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1141.9	100.4	1242.2
	% Fixture	17.5	1.5	19.0
<b>Street Side</b>	Lumens	5141.8	141.9	5283.8
	% Fixture	78.8	2.2	81.0
<b>Total</b>	Lumens	6283.7	242.3	6526.0
	% Fixture	96.3	3.7	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	20.4	0.3
10°-20°	88.1	1.3
20°-30°	244.1	3.7
30°-40°	524.8	8.0
40°-50°	888.3	13.6
50°-60°	1303.2	20.0
60°-70°	1554.3	23.8
70°-80°	1160.7	17.8
80°-90°	499.9	7.7
90°-100°	145.0	2.2
100°-110°	47.2	0.7
110°-120°	22.1	0.3
120°-130°	13.5	0.2
130°-140°	8.7	0.1
140°-150°	3.9	0.1
150°-160°	1.3	0.0
160°-170°	0.5	0.0
170°-180°	0.2	0.0
0°-90°	6283.7	96.3
0°-180°	6526.0	100.0

**Coefficient of Utilization**



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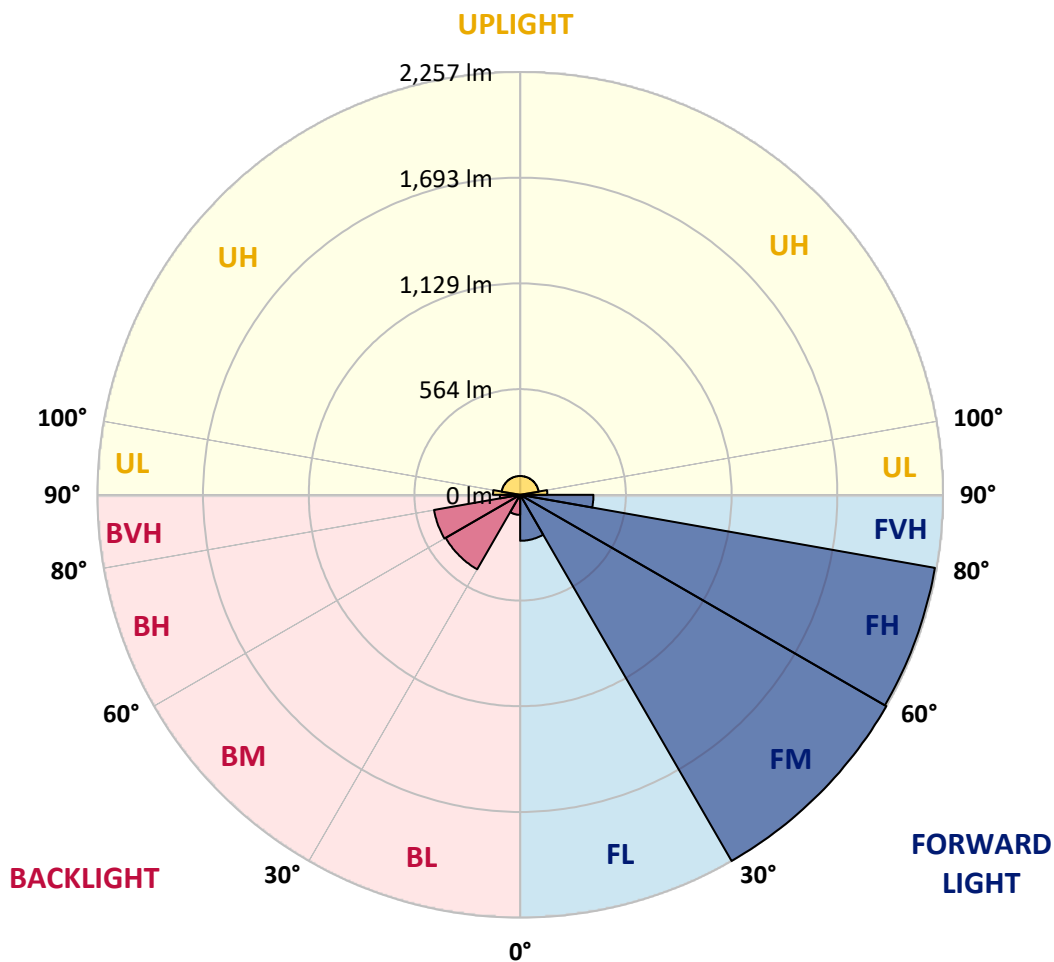
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	245.6	3.8			
FM	(30°-60°)	2257.1	34.6			
FH	(60°-80°)	2248.1	34.4			G2/5000
FVH	(80°-90°)	391.0	6.0			G3/500
BL	(0°-30°)	107.0	1.6	B0/110		
BM	(30°-60°)	459.2	7.0	B1/1000		
BH	(60°-80°)	466.8	7.2	B1/500		G1/500
BVH	(80°-90°)	108.9	1.7			G2/225
UL	(90°-100°)	145.0	2.2		U3/500	
UH	(100°-180°)	100.4	1.5		U3/500	

**BUG Rating: B1-U3-G3**

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
0°	195.9	195.9	195.9	195.9	195.9	195.9	195.9	195.9	195.9	195.9	195.9
2.5°	214.2	215.8	217.3	216.5	215.8	213.5	209.6	205.8	202.0	202.0	198.9
5°	244.8	244.1	243.3	244.1	240.3	234.9	228.8	221.9	216.5	215.0	207.4
7.5°	280.0	278.5	280.0	275.4	270.1	263.2	254.0	244.8	235.7	234.1	221.9
10°	322.1	320.6	319.8	316.0	306.1	296.1	286.9	272.4	265.5	263.2	247.1
12.5°	374.9	374.2	369.6	361.9	348.9	339.0	325.9	318.3	311.4	306.1	290.0
15°	435.4	436.9	431.5	415.5	399.4	384.1	378.0	371.9	366.5	364.2	350.4
17.5°	520.3	517.2	505.0	480.5	454.5	442.2	436.9	433.1	438.4	436.9	415.5
20°	625.1	617.5	598.3	556.3	524.1	504.2	499.6	506.5	509.6	517.2	502.7
22.5°	748.3	738.4	706.2	658.8	612.1	574.6	570.0	590.7	609.8	612.1	606.0
25°	868.4	859.2	830.9	769.0	706.2	656.5	645.8	691.7	729.9	736.8	745.2
27.5°	991.6	987.0	945.7	878.4	809.5	746.8	745.2	795.0	854.7	870.7	885.3
30°	1131.6	1142.3	1090.3	1005.4	918.9	846.2	842.4	915.9	989.3	1023.8	1048.2
32.5°	1329.0	1319.9	1254.8	1159.9	1031.4	946.5	951.8	1037.5	1161.5	1190.6	1222.7
35°	1555.5	1558.6	1469.8	1322.2	1170.7	1065.8	1062.0	1181.4	1325.2	1349.7	1403.3
37.5°	1741.4	1756.8	1690.9	1521.1	1326.7	1191.3	1196.7	1330.6	1482.1	1531.0	1577.7
40°	1941.1	1954.9	1878.4	1713.1	1496.6	1329.8	1337.5	1467.5	1612.1	1651.9	1663.4
42.5°	2159.2	2173.0	2080.4	1884.5	1639.7	1496.6	1466.8	1566.2	1692.5	1742.2	1752.2
45°	2363.5	2387.2	2293.9	2063.6	1799.6	1646.6	1601.4	1681.8	1847.0	1892.9	1903.7
47.5°	2426.2	2454.6	2414.0	2225.8	1952.6	1775.9	1746.0	1857.7	2036.0	2104.1	2090.4
50°	2486.7	2512.7	2488.2	2321.4	2079.6	1925.8	1932.7	2062.8	2264.8	2352.0	2341.3
52.5°	2495.9	2522.7	2497.4	2380.3	2188.3	2077.3	2153.9	2307.6	2508.1	2571.6	2556.3
55°	2511.2	2528.8	2505.8	2373.5	2267.1	2238.8	2383.4	2558.6	2717.8	2793.5	2768.3
57.5°	2298.5	2305.4	2388.8	2353.6	2283.9	2417.8	2642.0	2800.4	2987.9	3101.1	3088.1
60°	1992.4	2007.0	2110.2	2191.3	2272.5	2545.6	2896.0	3135.5	3319.2	3393.4	3323.0
62.5°	1740.7	1756.8	1865.4	1969.5	2175.3	2602.2	3161.5	3435.5	3556.4	3623.7	3540.3
65°	1402.5	1414.7	1547.1	1751.4	2016.9	2580.0	3360.5	3747.6	3869.3	3896.1	3734.6
67.5°	1120.9	1139.3	1274.0	1492.0	1847.0	2495.9	3425.5	3972.6	4043.0	4026.9	3762.9
70°	834.0	843.2	1007.7	1284.7	1645.8	2312.2	3363.5	4023.1	4012.4	3991.7	3629.8
72.5°	574.6	573.1	727.6	997.7	1436.2	2102.6	3075.1	3737.7	3687.2	3633.6	3175.3
75°	371.1	391.7	488.2	725.3	1161.5	1799.6	2701.7	3245.7	3160.0	3075.1	2616.0
77.5°	250.2	264.7	342.8	519.5	887.6	1513.4	2325.2	2787.4	2644.3	2567.0	2111.8
80°	172.2	178.3	238.0	381.8	660.3	1200.5	1904.4	2306.9	2150.8	2059.0	1638.9
82.5°	120.9	125.5	166.0	281.6	497.3	896.7	1520.3	1919.0	1755.2	1688.7	1273.2
85°	87.2	90.3	119.4	209.6	378.0	673.3	1156.9	1492.8	1350.5	1299.2	909.7
87.5°	65.0	68.1	90.3	155.3	290.8	511.9	863.1	1068.9	915.9	849.3	574.6
90°	48.2	51.3	69.6	116.3	227.2	385.6	625.1	730.7	594.5	538.7	366.5
92.5°	36.0	38.3	52.0	84.9	173.7	295.3	440.7	462.1	352.0	320.6	231.1
95°	26.8	28.3	39.0	62.0	124.0	215.0	288.5	270.1	207.4	188.2	146.1
97.5°	22.2	23.0	30.6	47.4	87.2	150.7	185.2	166.0	133.9	124.7	101.0
100°	18.4	19.1	24.5	36.0	63.5	103.3	122.4	107.9	93.3	89.5	78.8
102.5°	16.1	16.8	20.7	29.8	47.4	74.2	84.9	77.3	68.9	65.8	61.2
105°	14.5	14.5	18.4	25.2	39.0	55.9	62.0	56.6	51.3	49.7	49.0
107.5°	13.0	13.0	16.1	22.2	32.1	43.6	46.7	42.1	37.5	36.7	39.0
110°	12.2	12.2	14.5	19.9	27.5	36.0	36.7	31.4	28.3	28.3	31.4



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	11.5	11.5	13.8	17.6	24.5	29.8	29.1	24.5	22.2	22.2	26.0
115°	11.5	11.5	13.0	16.8	21.4	25.2	23.7	19.9	18.4	18.4	22.2
117.5°	11.5	12.2	13.0	16.1	19.9	22.2	20.7	16.8	16.1	16.1	19.9
120°	12.2	12.2	13.0	16.1	18.4	19.1	17.6	14.5	13.8	14.5	18.4
122.5°	12.2	12.2	13.8	16.1	17.6	17.6	15.3	13.0	13.0	13.0	16.8
125°	13.0	13.0	13.8	16.1	16.8	16.1	13.8	12.2	12.2	13.0	15.3
127.5°	13.8	13.8	14.5	16.1	16.1	14.5	13.0	11.5	11.5	12.2	15.3
130°	15.3	15.3	15.3	16.1	14.5	13.0	11.5	10.7	11.5	12.2	15.3
132.5°	15.3	15.3	15.3	15.3	13.8	11.5	10.7	9.9	11.5	12.2	14.5
135°	13.8	13.8	13.8	13.8	12.2	9.9	9.2	9.2	10.7	11.5	13.8
137.5°	12.2	12.2	12.2	11.5	10.7	9.2	7.7	7.7	9.2	9.9	12.2
140°	10.7	10.7	9.9	9.9	9.2	7.7	6.9	6.9	7.7	8.4	9.9
142.5°	8.4	8.4	8.4	8.4	7.7	6.1	5.4	5.4	6.9	7.7	8.4
145°	6.9	6.9	6.9	6.9	6.1	5.4	4.6	4.6	5.4	6.1	6.9
147.5°	5.4	5.4	6.1	6.1	5.4	4.6	3.1	3.8	4.6	4.6	5.4
150°	4.6	4.6	4.6	5.4	3.8	3.1	2.3	3.1	3.8	3.8	4.6
152.5°	3.8	3.8	3.8	3.8	3.1	1.5	2.3	3.1	3.1	3.8	3.8
155°	2.3	2.3	3.1	3.1	2.3	1.5	2.3	2.3	3.1	3.1	3.8
157.5°	1.5	1.5	2.3	2.3	2.3	1.5	1.5	2.3	2.3	2.3	3.1
160°	0.0	0.8	1.5	2.3	2.3	1.5	1.5	1.5	1.5	1.5	2.3
162.5°	0.0	0.8	1.5	2.3	2.3	1.5	1.5	1.5	1.5	1.5	2.3
165°	0.0	0.8	1.5	2.3	2.3	1.5	1.5	1.5	1.5	1.5	2.3
167.5°	0.0	0.8	1.5	2.3	2.3	1.5	1.5	1.5	1.5	1.5	2.3
170°	0.0	0.8	1.5	2.3	2.3	1.5	1.5	1.5	1.5	1.5	2.3
172.5°	0.0	0.8	1.5	2.3	2.3	1.5	1.5	1.5	1.5	1.5	2.3
175°	0.0	0.8	1.5	2.3	2.3	1.5	1.5	1.5	1.5	1.5	2.3
177.5°	0.0	0.8	1.5	2.3	2.3	1.5	1.5	1.5	1.5	1.5	2.3
180°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	195.9	195.9	195.9	195.9	195.9	195.9	195.9	195.9	195.9	195.9	195.9
2.5°	196.6	195.1	192.0	189.0	185.9	182.9	182.1	180.6	179.8	179.0	179.8
5°	204.3	199.7	192.8	185.9	179.8	174.5	170.6	166.8	163.7	162.2	162.2
7.5°	218.1	210.4	198.9	187.5	176.7	167.6	161.4	156.1	152.3	150.7	150.0
10°	239.5	230.3	213.5	195.1	179.0	165.3	156.1	150.0	146.1	143.8	143.8
12.5°	277.0	266.3	239.5	211.2	185.2	166.0	153.8	147.7	143.8	143.1	143.8
15°	335.9	319.1	280.0	239.5	199.7	167.6	152.3	150.0	151.5	152.3	152.3
17.5°	404.8	381.8	332.1	270.9	215.8	174.5	158.4	156.9	159.1	161.4	163.0
20°	482.0	452.2	380.3	300.7	226.5	184.4	164.5	161.4	166.8	171.4	170.6
22.5°	580.0	544.0	441.5	323.7	234.1	186.7	166.8	163.7	172.9	178.3	179.8
25°	708.5	657.3	513.4	348.1	238.7	183.6	165.3	166.0	179.8	190.5	192.8
27.5°	848.5	774.3	580.0	368.0	238.7	176.0	163.0	172.2	191.3	205.1	206.6
30°	1001.6	898.3	638.1	383.3	231.8	168.3	160.7	175.2	194.3	208.9	210.4
32.5°	1164.5	1026.8	698.6	388.7	221.9	162.2	158.4	172.9	189.0	202.0	205.1
35°	1309.1	1141.6	722.3	381.0	208.1	157.6	153.0	165.3	181.3	197.4	198.2
37.5°	1459.9	1251.0	733.0	359.6	194.3	153.0	148.4	159.9	179.0	198.2	200.5
40°	1524.2	1279.3	702.4	329.8	181.3	150.0	146.1	159.1	179.8	198.9	202.0
42.5°	1590.0	1306.9	664.9	286.9	172.9	149.2	148.4	159.1	176.0	191.3	193.6
45°	1702.4	1368.1	648.1	257.9	168.3	151.5	150.7	156.9	169.1	182.9	187.5
47.5°	1863.1	1460.6	639.7	239.5	168.3	155.3	153.0	154.6	162.2	174.5	178.3
50°	2068.9	1589.2	650.4	229.5	172.2	160.7	156.1	153.8	156.9	169.9	174.5
52.5°	2241.8	1712.4	663.4	228.0	178.3	167.6	160.7	153.8	156.1	171.4	176.7
55°	2423.2	1829.4	677.9	231.8	185.9	172.9	163.7	155.3	156.9	171.4	177.5
57.5°	2686.4	2028.4	715.4	240.3	193.6	179.0	167.6	157.6	156.1	167.6	172.2
60°	2926.6	2218.1	771.3	256.3	202.8	185.2	171.4	159.1	155.3	163.0	166.0
62.5°	3072.0	2320.7	792.7	271.6	211.9	190.5	172.9	159.1	157.6	164.5	166.8
65°	3222.0	2418.6	801.1	283.9	217.3	193.6	172.9	160.7	160.7	165.3	166.0
67.5°	3216.6	2397.2	781.2	290.0	221.9	195.1	172.9	160.7	162.2	166.8	167.6
70°	3075.8	2274.0	731.5	289.2	221.1	192.8	169.9	159.9	166.0	171.4	172.2
72.5°	2662.7	1954.9	651.1	280.0	214.2	186.7	165.3	158.4	167.6	175.2	175.2
75°	2184.5	1592.2	537.9	262.4	205.8	179.0	158.4	153.0	164.5	175.2	175.2
77.5°	1720.8	1246.4	436.1	239.5	193.6	169.9	150.0	143.8	156.9	166.8	166.0
80°	1336.7	944.9	350.4	216.5	179.8	159.9	140.0	133.1	144.6	151.5	150.0
82.5°	1025.3	727.6	289.2	195.1	166.0	148.4	130.1	124.0	134.7	139.3	137.7
85°	700.1	521.1	237.2	171.4	148.4	134.7	120.1	115.5	127.8	133.1	131.6
87.5°	462.1	358.1	198.2	150.7	130.8	120.9	108.6	107.1	120.9	126.2	125.5
90°	305.3	250.2	168.3	130.8	114.0	105.6	97.9	97.9	110.2	114.8	111.7
92.5°	201.2	177.5	133.1	110.9	97.2	91.8	87.2	86.5	97.2	98.7	96.4
95°	137.0	124.7	104.1	91.8	81.9	78.8	75.0	76.5	83.4	81.9	79.6
97.5°	97.9	94.9	84.2	75.0	68.1	67.3	65.8	66.6	70.4	67.3	65.8
100°	78.0	75.7	69.6	62.7	58.2	57.4	56.6	57.4	59.7	56.6	55.1
102.5°	62.7	62.7	58.2	52.8	49.0	49.7	49.7	49.7	50.5	45.9	45.9
105°	50.5	50.5	49.0	44.4	42.1	42.1	42.8	42.8	42.8	39.8	39.8
107.5°	40.6	42.1	41.3	37.5	36.0	36.7	36.7	36.0	36.0	34.4	34.4
110°	32.9	34.4	34.4	32.1	31.4	32.1	31.4	30.6	29.8	29.8	29.8



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	27.5	29.1	29.8	28.3	27.5	27.5	26.8	26.0	26.0	26.8	26.8
115°	23.7	25.2	26.0	24.5	24.5	24.5	23.0	22.2	22.2	23.7	23.7
117.5°	21.4	22.2	23.0	22.2	21.4	21.4	20.7	19.1	19.1	20.7	21.4
120°	19.1	19.9	20.7	19.9	19.1	18.4	17.6	16.8	16.8	19.1	19.1
122.5°	17.6	18.4	18.4	17.6	16.8	16.8	16.1	15.3	15.3	16.8	17.6
125°	16.8	16.8	16.8	16.1	15.3	14.5	13.8	13.8	13.8	15.3	15.3
127.5°	16.1	16.1	15.3	14.5	13.8	13.0	13.0	12.2	12.2	13.8	14.5
130°	16.1	16.1	14.5	13.8	13.0	11.5	11.5	10.7	11.5	13.0	13.0
132.5°	15.3	15.3	13.8	13.0	11.5	10.7	9.9	9.9	9.9	11.5	12.2
135°	14.5	13.8	12.2	11.5	9.9	9.2	9.2	9.2	9.2	10.7	10.7
137.5°	13.0	12.2	10.7	9.9	9.2	8.4	7.7	7.7	8.4	9.2	9.9
140°	10.7	10.7	9.2	8.4	7.7	6.9	6.9	6.9	7.7	8.4	8.4
142.5°	9.2	9.2	7.7	6.9	6.1	5.4	6.1	6.1	6.9	7.7	7.7
145°	7.7	6.9	6.9	5.4	5.4	4.6	4.6	5.4	6.1	6.9	6.9
147.5°	6.1	6.1	5.4	4.6	3.8	3.8	3.8	4.6	5.4	5.4	6.1
150°	5.4	5.4	4.6	4.6	3.1	2.3	3.1	4.6	4.6	4.6	4.6
152.5°	4.6	4.6	4.6	3.8	3.1	1.5	2.3	3.8	3.8	3.8	3.8
155°	3.8	3.8	3.8	3.1	2.3	0.8	2.3	3.1	3.1	3.1	3.1
157.5°	3.1	3.1	3.1	3.1	1.5	0.8	1.5	2.3	2.3	2.3	3.1
160°	2.3	2.3	2.3	2.3	1.5	0.8	1.5	2.3	2.3	2.3	2.3
162.5°	2.3	2.3	2.3	2.3	1.5	0.8	0.8	2.3	1.5	1.5	1.5
165°	2.3	2.3	2.3	2.3	1.5	0.8	0.8	1.5	1.5	1.5	1.5
167.5°	2.3	2.3	2.3	2.3	1.5	0.8	0.8	1.5	1.5	0.8	0.8
170°	2.3	2.3	2.3	2.3	1.5	0.8	0.8	1.5	1.5	0.8	0.8
172.5°	2.3	2.3	2.3	2.3	1.5	0.8	0.8	1.5	1.5	0.8	0.8
175°	2.3	2.3	2.3	2.3	1.5	0.8	0.8	1.5	1.5	0.8	0.8
177.5°	2.3	2.3	2.3	2.3	1.5	0.8	0.8	1.5	1.5	0.8	0.8
180°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5

(END OF REPORT)