

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: P417093

Luminaire Tested: **LXF.LXT-PA1-90-727-U-T4W-FL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P417093  
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-PA1-90-727-U-T4W-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 1180mA 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: 7598 lumens  
Efficiency: N/A  
Efficacy: 80.8 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): 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

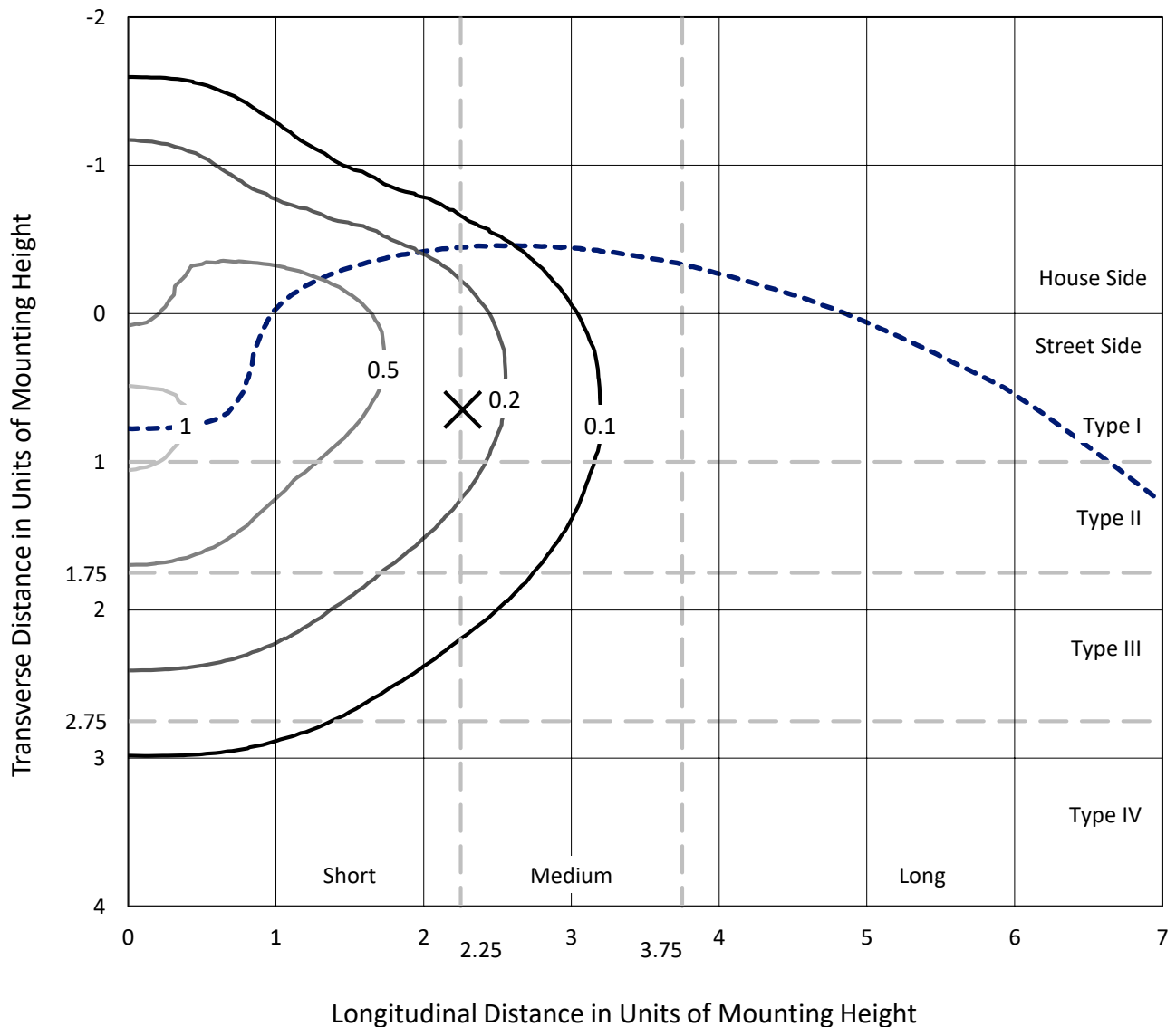


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

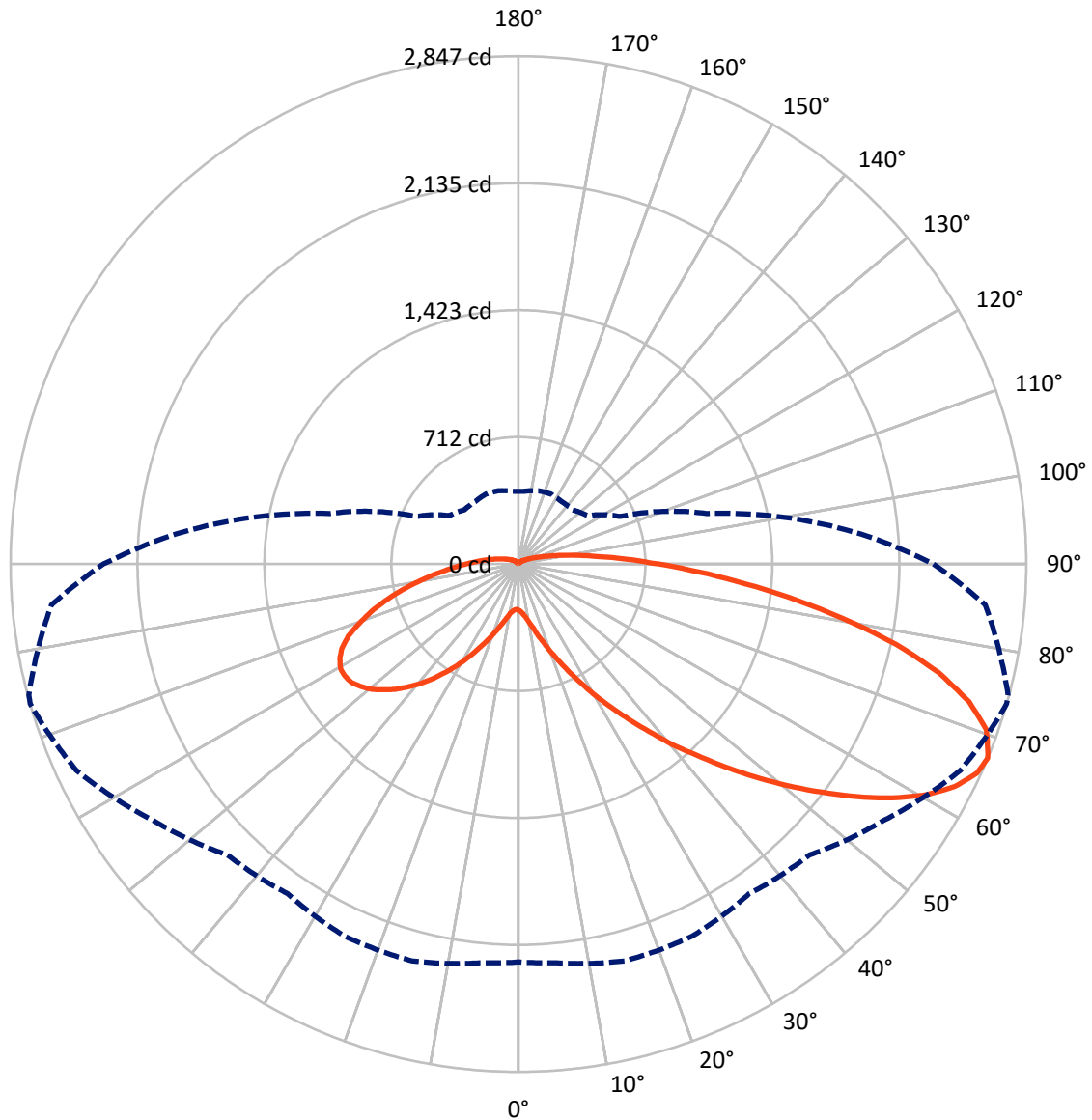


Based on 25 foot mounting height. Maximum calculated value = 1.1 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



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

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1771.8	213.0	1984.7
	% Fixture	23.3	2.8	26.1
<b>Street Side</b>	Lumens	5127.5	485.8	5613.3
	% Fixture	67.5	6.4	73.9
<b>Total</b>	Lumens	6899.2	698.8	7598.0
	% Fixture	90.8	9.2	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	27.1	0.4
10°-20°	110.7	1.5
20°-30°	274.9	3.6
30°-40°	536.9	7.1
40°-50°	888.0	11.7
50°-60°	1287.1	16.9
60°-70°	1557.8	20.5
70°-80°	1384.8	18.2
80°-90°	831.9	10.9
90°-100°	381.9	5.0
100°-110°	170.0	2.2
110°-120°	81.2	1.1
120°-130°	40.2	0.5
130°-140°	18.4	0.2
140°-150°	6.1	0.1
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6899.2	90.8
0°-180°	7598.0	100.0



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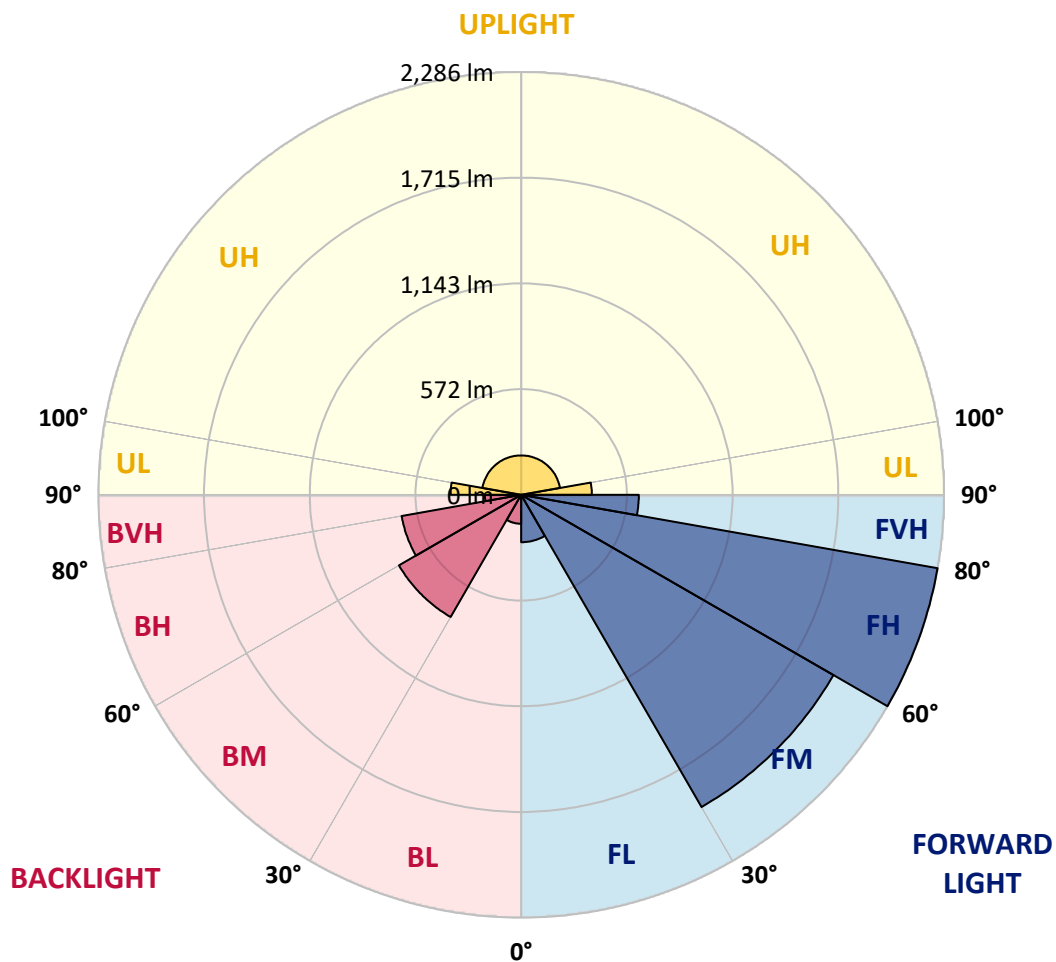
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	256.2	3.4			
FM	(30°-60°)	1949.4	25.7			
FH	(60°-80°)	2286.1	30.1			G2/5000
FVH	(80°-90°)	635.9	8.4			G4/750
BL	(0°-30°)	156.5	2.1	B1/500		
BM	(30°-60°)	762.6	10.0	B1/1000		
BH	(60°-80°)	656.6	8.6	B2/1000		G2/1000
BVH	(80°-90°)	196.1	2.6			G2/225
UL	(90°-100°)	381.9	5.0		U3/500	
UH	(100°-180°)	213.0	2.8		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°	74°	75°	85°
0°	258.8	258.8	258.8	258.8	258.8	258.8	258.8	258.8	258.8	258.8	258.8
2.5°	285.8	283.1	283.1	281.3	280.4	277.7	275.9	269.6	266.9	266.9	262.4
5°	316.5	314.7	311.1	311.1	307.5	303.9	296.6	288.5	282.2	281.3	273.2
7.5°	354.4	349.8	349.8	345.3	339.9	333.6	323.7	312.9	303.0	302.1	289.4
10°	397.6	395.8	394.0	387.7	380.5	367.9	358.9	343.5	331.8	330.9	313.8
12.5°	450.8	448.1	442.7	436.4	423.8	414.8	398.5	381.4	366.1	367.0	347.1
15°	508.5	506.7	503.1	493.2	478.8	466.2	449.9	431.9	416.6	410.3	389.5
17.5°	574.4	570.8	566.2	555.4	539.2	526.6	504.9	487.8	468.0	468.9	439.1
20°	651.9	648.3	642.0	624.9	610.4	593.3	570.8	551.8	529.3	527.5	497.7
22.5°	728.5	730.4	715.0	697.0	683.5	663.6	642.0	617.6	597.8	596.0	561.7
25°	823.2	816.9	801.6	780.8	760.1	735.8	716.8	695.2	676.3	674.4	633.9
27.5°	922.4	917.0	896.3	870.1	842.2	815.1	798.9	776.3	761.9	759.2	717.7
30°	1030.6	1021.6	1002.7	967.5	928.7	898.1	881.8	873.7	860.2	856.6	814.2
32.5°	1152.3	1140.6	1112.7	1070.3	1014.4	980.1	972.9	965.7	960.3	954.9	915.2
35°	1273.2	1269.6	1228.1	1175.8	1120.8	1075.7	1063.1	1074.8	1071.2	1067.6	1025.2
37.5°	1400.3	1406.6	1361.5	1293.0	1217.3	1169.5	1160.4	1182.1	1192.0	1192.0	1141.5
40°	1550.0	1544.6	1499.5	1415.6	1327.3	1271.4	1274.1	1306.5	1330.9	1325.5	1275.9
42.5°	1698.7	1687.0	1627.5	1545.5	1433.7	1377.8	1377.8	1427.3	1464.3	1465.2	1412.9
45°	1844.8	1832.2	1776.3	1669.0	1547.3	1486.9	1499.5	1559.9	1620.3	1612.2	1560.8
47.5°	1978.3	1972.9	1915.1	1800.6	1663.6	1600.5	1625.7	1715.9	1781.7	1781.7	1724.9
50°	2109.0	2101.8	2047.7	1918.8	1780.8	1718.6	1756.5	1866.5	1950.3	1954.8	1889.0
52.5°	2221.7	2217.2	2166.7	2038.7	1896.2	1833.1	1889.9	2027.9	2124.3	2134.3	2064.8
55°	2302.9	2305.6	2266.8	2145.1	2000.8	1948.5	2026.1	2188.4	2302.9	2304.7	2229.8
57.5°	2362.4	2366.0	2339.8	2234.3	2092.8	2053.1	2157.7	2343.4	2473.3	2481.4	2383.1
60°	2387.6	2393.9	2385.8	2297.5	2174.8	2149.6	2275.8	2482.3	2626.6	2629.3	2511.2
62.5°	2374.1	2380.4	2396.6	2333.5	2234.3	2233.4	2390.3	2603.1	2746.5	2750.1	2608.5
65°	2312.8	2322.7	2363.3	2333.5	2256.0	2285.7	2466.1	2696.0	2824.9	2829.4	2646.4
67°	2230.7	2243.4	2302.9	2302.0	2256.0	2306.5	2503.0	2734.8	2846.6	2841.2	2626.6
67.5°	2211.8	2224.4	2283.9	2292.9	2249.7	2309.2	2507.5	2739.3	2838.5	2837.6	2613.9
70°	2051.3	2073.8	2160.4	2203.7	2202.8	2287.5	2505.7	2714.9	2783.5	2774.4	2508.4
72.5°	1866.5	1894.4	1999.9	2082.9	2109.9	2219.9	2439.9	2618.4	2641.0	2630.2	2311.0
75°	1676.2	1691.5	1801.5	1919.7	1988.2	2105.4	2316.4	2465.2	2433.6	2407.5	2063.9
77.5°	1475.1	1481.4	1604.1	1736.6	1819.6	1954.8	2132.4	2240.6	2163.1	2141.5	1782.6
80°	1241.6	1267.7	1390.4	1528.3	1631.1	1753.7	1903.4	1968.3	1838.5	1818.7	1483.2
82.5°	1050.4	1066.7	1178.5	1313.7	1429.1	1544.6	1641.9	1659.1	1522.9	1508.5	1192.0
85°	857.5	871.9	989.1	1114.5	1222.7	1319.1	1384.1	1358.8	1217.3	1201.9	942.2
87.5°	709.6	720.4	801.6	928.7	1024.3	1093.7	1128.0	1096.4	961.2	939.5	727.6
90°	562.6	578.9	651.9	759.2	856.6	901.7	905.3	853.0	742.1	725.8	557.2
92.5°	454.4	465.3	534.7	624.0	700.6	734.9	725.8	681.7	579.8	560.8	431.0
95°	367.9	376.9	434.6	513.1	575.3	606.8	581.6	523.0	442.7	435.5	332.7
97.5°	305.7	307.5	352.6	422.9	472.5	488.7	468.9	415.7	346.2	331.8	255.2
100°	249.8	251.6	289.4	342.6	387.7	398.5	378.7	327.3	268.7	259.7	200.2
102.5°	202.9	207.4	236.2	284.0	317.4	325.5	304.8	259.7	207.4	201.1	156.0
105°	172.2	173.1	198.4	234.4	264.2	270.5	249.8	211.0	163.2	159.6	124.4
107.5°	146.1	146.1	165.9	197.5	220.9	224.5	208.3	172.2	128.9	125.3	101.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	125.3	126.2	140.7	165.9	187.5	190.3	174.0	138.0	102.8	100.1	82.1
112.5°	109.1	110.9	120.8	140.7	159.6	162.3	146.1	112.7	83.9	80.2	68.5
115°	96.5	97.4	104.6	120.8	136.2	138.0	121.7	92.9	67.6	64.9	57.7
117.5°	85.7	86.6	92.0	105.5	117.2	118.1	101.9	76.6	56.8	54.1	50.5
120°	77.5	77.5	82.1	91.1	101.0	101.0	85.7	63.1	46.9	46.0	43.3
122.5°	70.3	70.3	73.0	79.3	86.6	84.8	71.2	52.3	39.7	38.8	37.9
125°	64.0	64.0	65.8	69.4	73.9	71.2	58.6	43.3	34.3	33.4	33.4
127.5°	57.7	57.7	58.6	61.3	62.2	59.5	48.7	36.1	29.8	28.9	29.8
130°	52.3	52.3	52.3	52.3	52.3	50.5	39.7	29.8	25.2	25.2	26.1
132.5°	46.9	46.9	46.0	45.1	44.2	40.6	32.5	24.3	22.5	22.5	23.4
135°	41.5	41.5	40.6	38.8	36.1	31.6	24.3	19.8	18.9	18.9	19.8
137.5°	36.1	36.1	35.2	32.5	28.9	24.3	18.9	16.2	16.2	16.2	17.1
140°	30.7	30.7	29.8	27.1	22.5	18.0	14.4	12.6	13.5	13.5	14.4
142.5°	26.1	25.2	24.3	21.6	17.1	12.6	9.9	9.9	10.8	10.8	11.7
145°	20.7	19.8	18.9	16.2	12.6	9.0	7.2	7.2	8.1	8.1	9.0
147.5°	16.2	15.3	14.4	11.7	9.0	6.3	4.5	5.4	6.3	6.3	6.3
150°	10.8	10.8	10.8	9.0	5.4	3.6	2.7	3.6	3.6	3.6	4.5
152.5°	7.2	7.2	7.2	5.4	3.6	1.8	1.8	1.8	2.7	2.7	2.7
155°	4.5	4.5	4.5	3.6	1.8	0.9	0.9	0.9	1.8	1.8	1.8
157.5°	1.8	1.8	1.8	1.8	1.8	0.9	0.0	0.9	0.9	0.9	0.9
160°	0.9	0.9	1.8	1.8	1.8	0.9	0.0	0.0	0.9	0.9	0.9
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°	258.8	258.8	258.8	258.8	258.8	258.8	258.8	258.8	258.8	258.8	258.8
2.5°	260.6	258.8	255.2	252.5	249.8	247.1	244.4	242.5	239.8	239.8	239.8
5°	269.6	265.1	257.9	252.5	246.2	241.6	236.2	232.6	229.9	229.0	229.0
7.5°	284.9	278.6	267.8	257.0	248.0	240.7	234.4	229.9	226.3	225.4	225.4
10°	306.6	298.5	281.3	268.7	257.0	247.1	238.9	232.6	229.9	228.1	228.1
12.5°	338.1	327.3	307.5	285.8	270.5	257.9	248.0	245.3	245.3	246.2	245.3
15°	376.0	365.2	338.1	312.9	290.3	275.9	270.5	270.5	269.6	271.4	271.4
17.5°	423.8	408.5	376.0	342.6	316.5	303.0	297.6	295.7	297.6	300.3	298.5
20°	480.6	458.0	417.5	376.0	348.0	334.5	325.5	323.7	326.4	328.2	329.1
22.5°	540.1	515.8	464.4	411.2	382.3	364.3	354.4	351.7	356.2	360.7	361.6
25°	607.7	580.7	514.9	453.5	413.0	388.6	379.6	378.7	385.9	392.2	392.2
27.5°	689.8	653.7	569.9	499.5	447.2	414.8	404.8	405.8	415.7	421.1	422.9
30°	775.4	734.9	633.0	541.9	474.3	435.5	424.7	429.2	439.1	449.9	451.7
32.5°	871.9	824.1	694.3	584.3	498.6	451.7	440.0	449.0	459.9	472.5	474.3
35°	972.9	908.9	757.4	623.1	518.5	464.4	450.8	461.7	475.2	486.9	490.5
37.5°	1087.4	1011.7	825.9	654.6	533.8	471.6	457.1	469.8	485.1	496.8	497.7
40°	1204.6	1117.2	890.8	684.4	544.6	476.1	460.8	473.4	487.8	497.7	498.6
42.5°	1327.3	1224.5	951.3	708.7	550.0	476.1	459.0	471.6	485.1	490.5	491.4
45°	1470.6	1338.1	1013.5	725.8	551.8	474.3	456.2	466.2	476.1	477.9	480.6
47.5°	1614.9	1450.8	1066.7	738.5	550.9	469.8	451.7	459.9	466.2	464.4	467.1
50°	1767.3	1573.4	1118.1	746.6	546.4	465.3	445.4	452.6	454.4	449.0	449.0
52.5°	1913.3	1679.8	1157.7	747.5	540.1	459.9	440.9	446.3	445.4	435.5	436.4
55°	2059.4	1793.4	1191.1	739.4	531.1	454.4	436.4	440.0	437.3	425.6	423.8
57.5°	2184.7	1885.4	1205.5	727.6	521.2	449.0	433.7	437.3	431.9	418.4	417.5
60°	2291.1	1956.6	1206.4	711.4	509.4	444.5	431.0	435.5	431.0	414.8	413.0
62.5°	2357.0	1989.1	1183.0	686.2	497.7	439.1	431.0	434.6	429.2	413.0	412.1
65°	2367.8	1972.9	1145.1	657.3	484.2	433.7	429.2	433.7	428.3	411.2	409.4
67°	2325.4	1926.0	1093.7	630.3	472.5	429.2	425.6	431.9	425.6	409.4	406.7
67.5°	2311.0	1904.3	1082.0	626.7	469.8	427.4	424.7	430.1	424.7	408.5	405.8
70°	2184.7	1786.2	993.6	587.0	452.6	418.4	418.4	422.9	417.5	402.1	397.6
72.5°	1990.0	1620.3	905.3	549.1	433.7	404.8	407.6	412.1	406.7	392.2	386.8
75°	1764.6	1433.7	807.0	504.9	412.1	391.3	393.1	397.6	392.2	376.9	372.4
77.5°	1513.9	1218.2	707.8	464.4	389.5	373.3	374.2	376.9	372.4	357.1	352.6
80°	1245.2	1004.5	606.8	418.4	363.4	350.7	351.7	351.7	345.3	332.7	329.1
82.5°	1003.6	816.0	517.6	377.8	334.5	325.5	325.5	324.6	316.5	305.7	300.3
85°	780.8	658.2	433.7	336.3	305.7	297.6	296.6	293.0	284.9	273.2	266.9
87.5°	612.2	521.2	365.2	296.6	276.8	271.4	266.0	257.9	251.6	241.6	236.2
90°	477.9	413.9	308.4	260.6	248.9	241.6	236.2	226.3	216.4	206.5	203.8
92.5°	374.2	327.3	257.0	227.2	220.0	214.6	207.4	196.6	187.5	175.8	176.7
95°	296.6	266.0	219.1	200.2	194.8	190.3	181.2	169.5	159.6	148.8	147.0
97.5°	232.6	211.9	183.9	174.0	172.2	166.8	157.8	146.1	135.3	123.5	123.5
100°	184.8	173.1	155.1	153.3	149.7	146.1	137.1	126.2	112.7	102.8	102.8
102.5°	148.8	138.9	132.5	132.5	131.6	128.0	119.0	108.2	94.7	84.8	84.8
105°	119.0	115.4	112.7	115.4	116.3	112.7	103.7	92.0	78.4	69.4	71.2
107.5°	99.2	96.5	96.5	100.1	101.9	98.3	90.2	77.5	64.9	58.6	58.6



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	82.1	81.2	83.0	87.5	88.4	85.7	77.5	65.8	54.1	48.7	49.6
112.5°	69.4	68.5	72.1	76.6	77.5	74.8	66.7	55.9	45.1	41.5	41.5
115°	58.6	59.5	62.2	65.8	67.6	64.9	57.7	47.8	37.0	35.2	35.2
117.5°	50.5	51.4	54.1	58.6	59.5	55.9	48.7	39.7	31.6	30.7	30.7
120°	44.2	45.1	47.8	50.5	51.4	47.8	41.5	33.4	27.1	26.1	26.1
122.5°	38.8	40.6	42.4	44.2	45.1	41.5	36.1	28.0	22.5	22.5	23.4
125°	34.3	35.2	37.0	38.8	38.8	35.2	29.8	23.4	19.8	19.8	19.8
127.5°	30.7	30.7	31.6	33.4	33.4	30.7	25.2	18.9	17.1	17.1	18.0
130°	27.1	28.0	28.0	28.0	28.0	25.2	20.7	16.2	14.4	15.3	15.3
132.5°	23.4	24.3	24.3	24.3	23.4	20.7	17.1	13.5	12.6	13.5	13.5
135°	20.7	20.7	20.7	20.7	18.9	17.1	13.5	10.8	10.8	11.7	11.7
137.5°	18.0	18.0	18.0	17.1	15.3	13.5	10.8	9.0	9.0	9.9	9.9
140°	14.4	15.3	14.4	13.5	11.7	9.9	8.1	7.2	8.1	8.1	8.1
142.5°	11.7	11.7	11.7	10.8	9.0	7.2	6.3	5.4	6.3	6.3	7.2
145°	9.0	9.0	9.0	8.1	6.3	4.5	4.5	4.5	5.4	5.4	5.4
147.5°	6.3	6.3	6.3	5.4	3.6	2.7	2.7	2.7	3.6	3.6	3.6
150°	4.5	4.5	4.5	3.6	1.8	0.9	0.9	1.8	2.7	2.7	2.7
152.5°	2.7	2.7	2.7	1.8	0.9	0.0	0.9	1.8	1.8	0.9	0.9
155°	1.8	1.8	1.8	1.8	0.9	0.0	0.9	0.9	0.9	0.0	0.0
157.5°	1.8	1.8	0.9	0.9	0.0	0.0	0.0	0.9	0.0	0.0	0.0
160°	0.9	0.9	0.9	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)