

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: P255007

Luminaire Tested: **LXF.LXT-AF24-60-D-U-T2U-FL-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P255007  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-32)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-AF24-60-D-U-T2U-FL-7030  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS  
AND FROSTED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5987.4 lumens  
Efficiency: N/A  
Efficacy: 93.6 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type II - Short - Non-Cutoff  
BUG Rating: B2 - U3 - G3

Input Watts (W): 64  
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

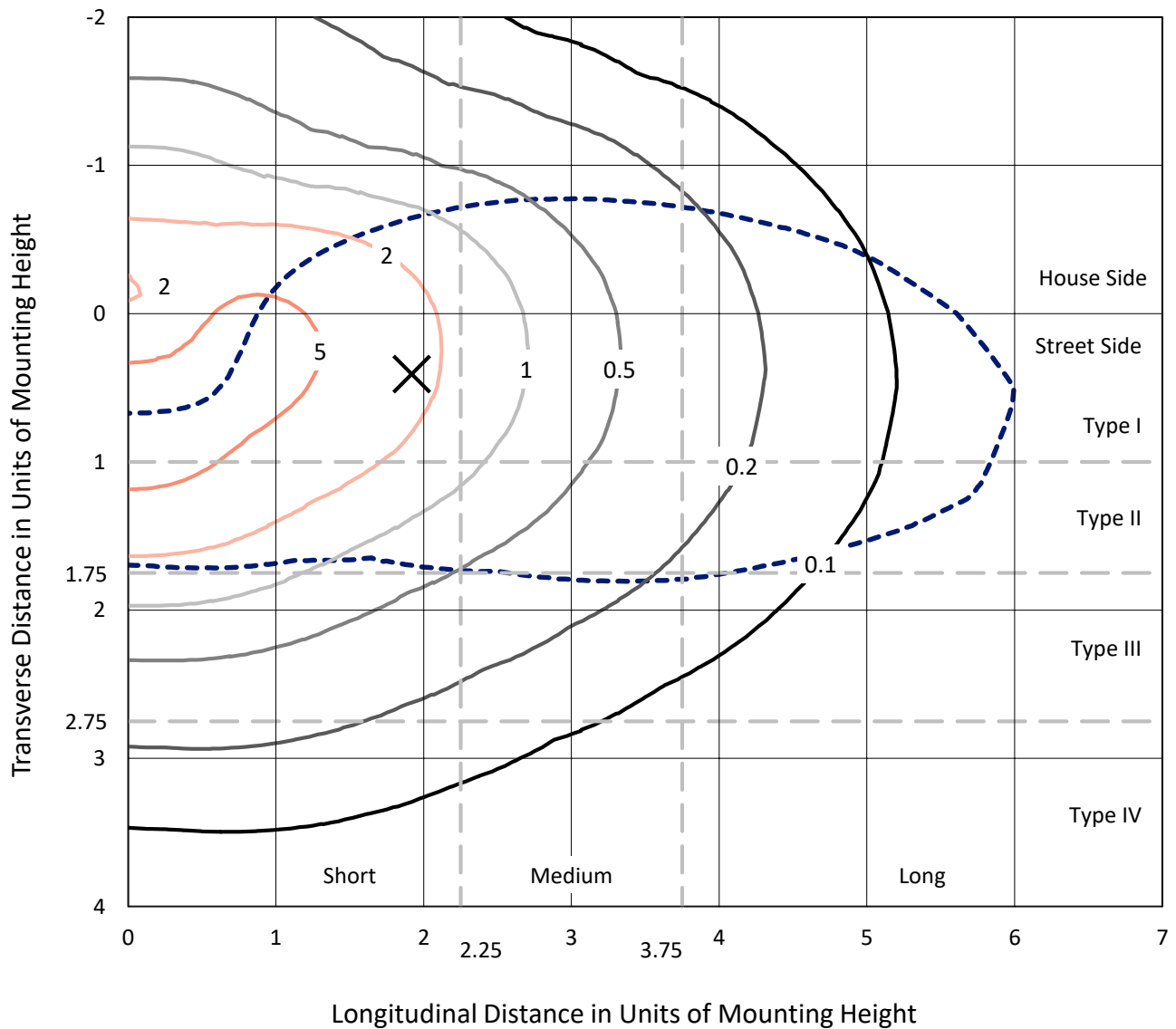


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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

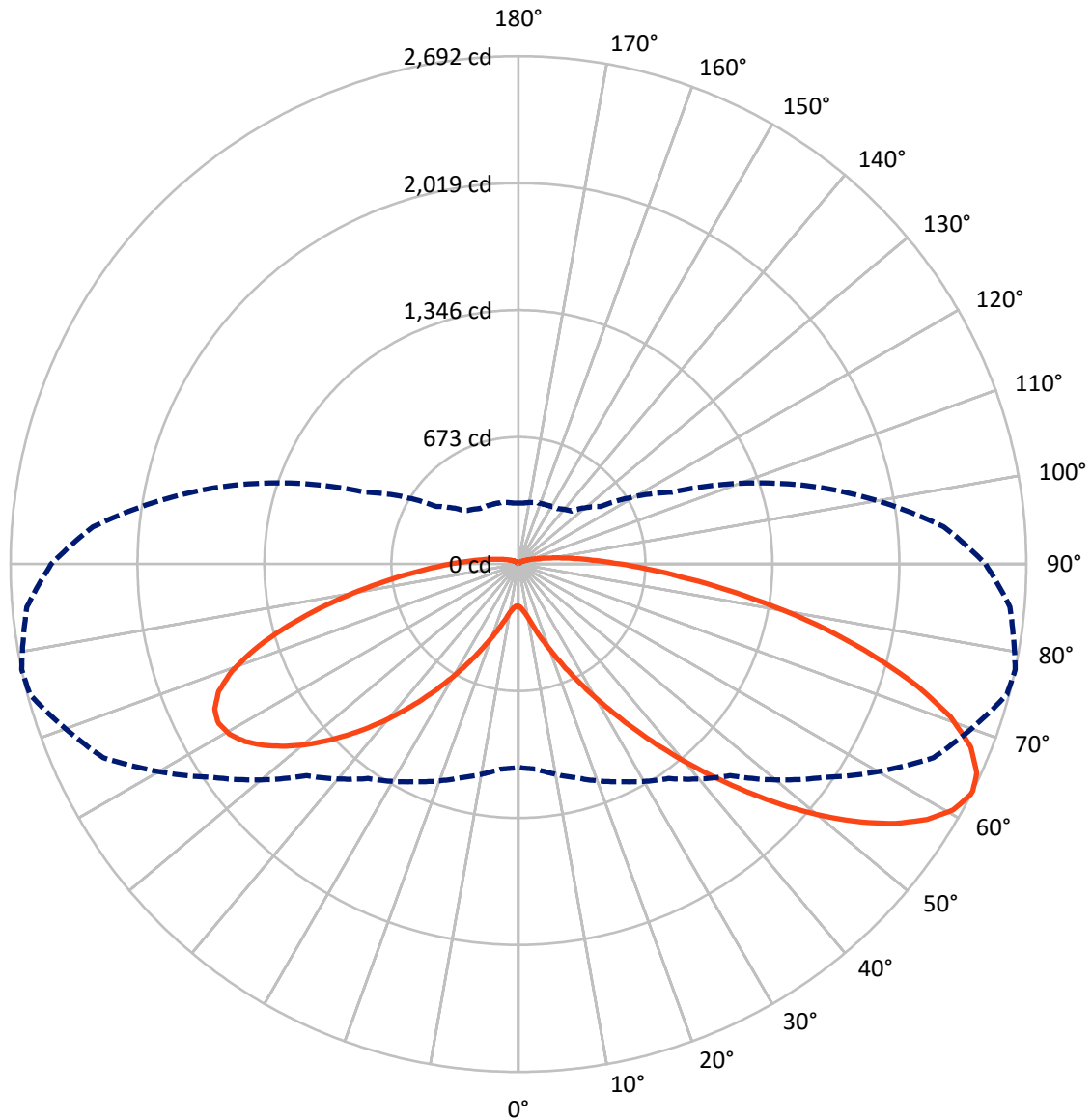


Based on 10 foot mounting height. Maximum calculated value = 7.8 fc  
 Type II - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral    - - - Horizontal Cone Through 63-Deg Vertical

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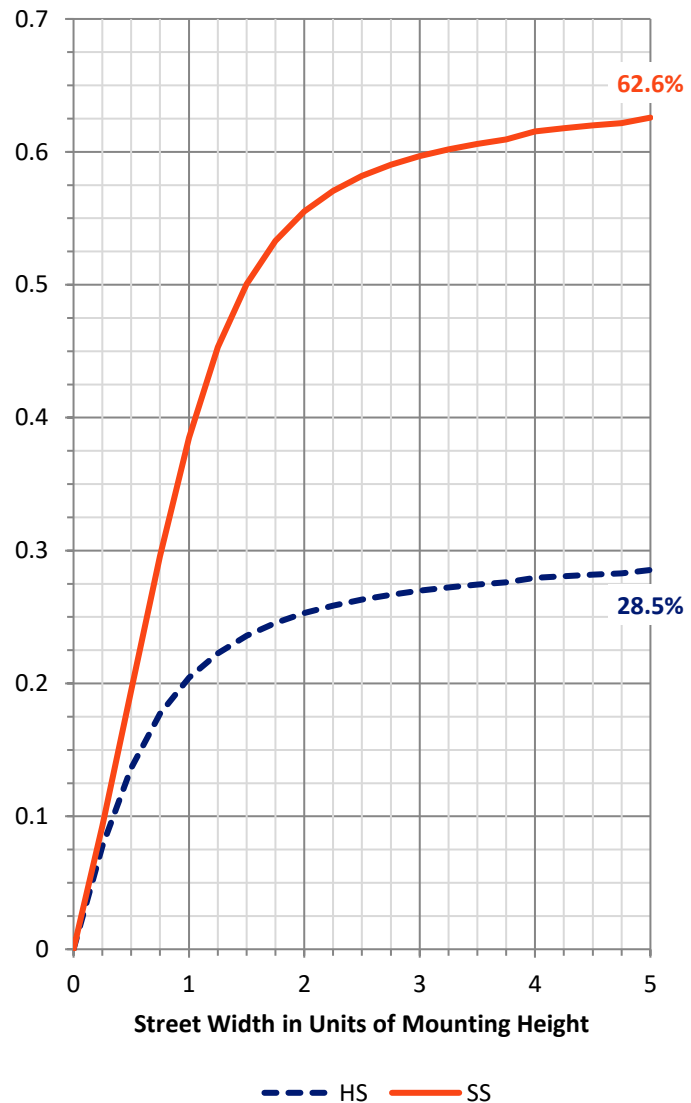
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1778.6	162.6	1941.1
	% Fixture	29.7	2.7	32.4
<b>Street Side</b>	Lumens	3844.9	201.4	4046.3
	% Fixture	64.2	3.4	67.6
<b>Total</b>	Lumens	5623.5	363.9	5987.4
	% Fixture	93.9	6.1	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	23.9	0.4
10°-20°	102.0	1.7
20°-30°	266.7	4.5
30°-40°	553.8	9.2
40°-50°	932.8	15.6
50°-60°	1226.1	20.5
60°-70°	1214.0	20.3
70°-80°	864.3	14.4
80°-90°	439.9	7.3
90°-100°	191.4	3.2
100°-110°	87.6	1.5
110°-120°	44.5	0.7
120°-130°	23.7	0.4
130°-140°	11.8	0.2
140°-150°	4.2	0.1
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5623.5	93.9
0°-180°	5987.4	100.0

**Coefficient of Utilization**



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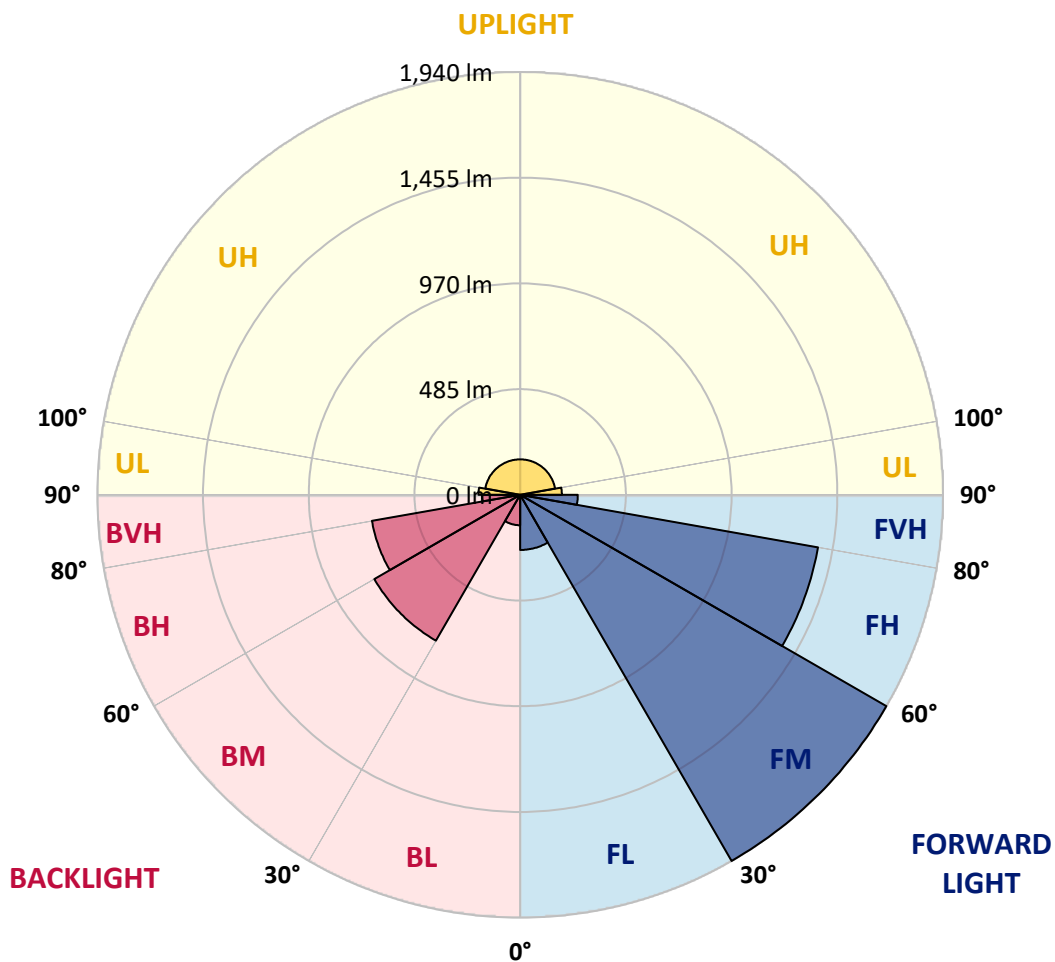
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	253.1	4.2			
FM (30°-60°)	1940.1	32.4			
FH (60°-80°)	1387.6	23.2			G1/1800
FVH (80°-90°)	264.2	4.4			G3/500
BL (0°-30°)	139.5	2.3	B1/500		
BM (30°-60°)	772.6	12.9	B1/1000		
BH (60°-80°)	690.7	11.5	B2/1000		G2/1000
BVH (80°-90°)	175.7	2.9			G2/225
UL (90°-100°)	191.4	3.2		U3/500	
UH (100°-180°)	162.6	2.7		U3/500	

**BUG Rating: B2-U3-G3**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	224.1	224.1	224.1	224.1	224.1	224.1	224.1	224.1	224.1	224.1	224.1
2.5°	248.7	249.3	249.3	247.9	246.5	243.5	240.7	237.1	232.0	231.3	227.7
5°	278.3	279.0	278.3	275.5	272.5	267.4	261.6	255.1	246.5	245.8	239.3
7.5°	314.4	315.1	314.4	309.3	304.3	297.0	289.1	279.7	267.4	265.3	256.6
10°	359.3	360.7	358.5	354.2	345.5	334.7	324.5	310.9	297.8	292.7	281.9
12.5°	416.4	416.4	412.0	405.5	394.7	380.9	367.8	351.3	336.8	329.6	318.1
15°	479.9	480.6	474.8	467.0	455.4	434.5	420.0	402.6	384.5	378.0	361.4
17.5°	553.0	554.4	547.2	535.6	519.7	498.8	480.6	460.4	439.4	428.7	411.3
20°	638.3	638.3	630.3	615.1	594.9	571.8	548.6	525.4	502.4	489.4	471.2
22.5°	735.1	735.1	725.7	705.5	676.6	651.3	625.9	600.0	574.6	560.9	537.8
25°	847.1	851.4	833.4	808.1	775.5	740.1	714.9	684.5	657.0	641.9	616.6
27.5°	973.6	975.8	953.4	915.8	873.8	837.0	808.8	781.3	751.0	735.1	704.7
30°	1109.5	1105.1	1085.0	1040.1	985.2	940.4	912.2	886.8	852.2	839.8	806.7
32.5°	1255.5	1252.6	1226.7	1165.1	1105.9	1051.7	1021.3	1005.4	970.8	957.0	921.6
35°	1409.5	1404.4	1373.4	1309.0	1231.0	1171.7	1144.2	1136.3	1104.5	1090.7	1048.2
37.5°	1570.7	1559.1	1520.1	1438.4	1357.4	1294.5	1282.2	1270.6	1249.7	1235.2	1184.7
40°	1699.3	1694.3	1655.3	1569.9	1482.4	1429.7	1421.8	1429.7	1409.5	1392.8	1334.3
42.5°	1803.5	1799.8	1768.7	1684.9	1597.4	1549.0	1557.6	1583.7	1577.1	1560.5	1495.5
45°	1875.7	1872.0	1849.6	1777.4	1697.2	1661.8	1700.7	1748.4	1752.8	1739.1	1662.5
47.5°	1901.0	1898.8	1886.6	1833.8	1772.3	1763.7	1841.0	1916.2	1934.2	1922.6	1835.9
50°	1868.5	1869.9	1874.3	1850.5	1812.8	1837.4	1951.6	2075.9	2114.9	2101.9	2009.4
52.5°	1784.6	1789.6	1810.7	1818.6	1812.8	1875.7	2044.1	2220.4	2287.1	2272.5	2177.1
55°	1656.0	1663.2	1700.1	1741.3	1770.9	1872.8	2101.9	2342.6	2438.0	2428.0	2328.9
57.5°	1486.8	1501.2	1551.2	1624.1	1684.1	1828.0	2118.5	2426.4	2561.6	2554.4	2458.3
60°	1299.6	1311.8	1380.6	1476.0	1562.7	1740.5	2082.4	2462.6	2645.5	2647.7	2556.5
62.5°	1113.9	1127.5	1208.5	1307.5	1418.1	1614.8	1996.3	2441.0	2680.1	2691.0	2612.3
63°	1077.8	1091.4	1172.4	1273.6	1387.8	1586.6	1973.2	2428.7	2680.1	2692.4	2615.8
65°	937.5	950.4	1030.8	1136.3	1256.9	1463.6	1861.2	2356.4	2651.2	2670.1	2610.1
67.5°	774.1	787.9	868.8	973.0	1089.4	1290.3	1684.9	2207.5	2552.2	2586.1	2547.9
70°	636.1	650.5	724.3	822.5	931.0	1113.9	1483.2	2007.2	2393.3	2430.0	2415.6
72.5°	524.0	536.4	608.6	690.9	787.9	950.4	1276.4	1765.8	2165.5	2210.4	2219.0
75°	427.9	440.9	504.6	578.2	663.5	800.1	1076.3	1510.6	1883.6	1945.8	1970.4
77.5°	349.1	361.4	417.8	482.2	554.4	666.5	892.0	1257.7	1594.5	1669.7	1701.5
80°	284.8	296.3	342.6	401.2	462.6	553.0	730.7	1013.4	1308.3	1376.2	1409.5
82.5°	231.3	241.5	281.9	333.2	385.2	458.3	596.3	811.0	1045.2	1102.3	1120.4
85°	186.5	195.1	231.3	276.1	320.2	376.6	482.2	641.2	817.5	862.3	884.7
87.5°	148.9	156.1	188.7	227.7	265.3	316.7	390.3	511.0	632.5	665.7	680.1
90°	120.7	126.5	153.2	186.5	220.4	258.1	316.7	397.6	486.4	510.4	520.4
92.5°	98.4	102.6	126.5	153.9	184.3	218.3	258.1	314.4	374.4	390.3	396.8
95°	82.4	83.8	104.8	128.7	153.2	182.1	211.1	250.1	289.1	299.9	302.8
97.5°	67.2	69.4	87.4	109.2	130.1	151.8	172.7	200.3	224.7	231.3	232.0
100°	57.8	58.6	73.8	93.2	111.3	128.7	143.7	160.5	175.0	177.1	178.5
102.5°	49.1	49.8	63.0	81.0	96.1	110.6	122.2	131.5	137.3	138.1	138.1
105°	42.6	43.3	54.2	70.2	83.8	94.7	104.2	107.7	109.2	108.3	108.3
107.5°	38.4	38.4	47.7	61.4	73.8	83.1	88.9	89.6	87.4	86.0	86.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
110°	34.0	34.8	41.9	54.9	65.8	72.9	77.3	75.2	70.8	69.4	69.4
112.5°	31.0	31.8	36.8	48.4	57.8	65.0	67.2	63.6	57.8	56.4	57.2
115°	29.0	29.0	33.3	42.6	52.0	57.8	58.6	54.2	47.7	47.0	47.7
117.5°	26.8	26.8	29.6	38.4	46.2	51.4	51.4	46.2	40.4	39.0	39.8
120°	25.3	25.3	27.5	34.0	41.2	45.6	44.8	39.8	34.0	34.0	34.8
122.5°	23.8	23.8	25.3	30.4	36.8	40.4	39.8	34.0	29.0	29.0	29.6
125°	22.4	22.4	23.2	27.5	32.6	35.4	34.8	29.0	25.3	25.3	26.0
127.5°	21.0	21.0	21.7	24.6	29.0	31.0	29.6	24.6	22.4	22.4	23.2
130°	20.2	20.2	20.2	21.7	25.3	27.5	25.3	21.0	19.5	19.5	20.2
132.5°	18.8	18.8	18.8	19.5	21.7	23.2	21.7	18.0	17.4	17.4	18.0
135°	18.0	18.0	17.4	17.4	18.8	19.5	17.4	15.2	15.2	15.2	16.0
137.5°	16.6	16.6	16.0	15.2	16.0	16.0	14.4	12.2	13.0	13.0	13.7
140°	15.2	15.2	14.4	13.0	12.2	12.2	10.8	10.2	10.8	10.8	11.6
142.5°	13.0	13.0	12.2	10.8	9.4	8.6	7.9	7.9	8.6	8.6	9.4
145°	10.8	10.8	10.2	8.6	7.2	6.5	5.8	5.8	6.5	6.5	7.2
147.5°	8.6	8.6	7.9	6.5	5.0	3.6	3.6	4.4	5.0	5.0	5.0
150°	7.2	7.2	6.5	5.0	2.8	2.1	1.4	2.1	2.8	2.8	2.8
152.5°	5.0	5.0	4.4	2.8	2.1	0.8	0.8	1.4	2.1	2.1	2.1
155°	2.8	2.8	2.1	1.4	0.8	0.8	0.8	0.8	1.4	1.4	1.4
157.5°	1.4	1.4	0.8	0.8	0.0	0.8	0.8	0.8	0.8	0.8	0.8
160°	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.0	0.0	0.0	0.8
162.5°	0.0	0.0	0.0	0.0	0.0	0.8	0.8	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°	224.1	224.1	224.1	224.1	224.1	224.1	224.1	224.1	224.1	224.1	224.1
2.5°	226.2	224.7	221.1	217.5	214.7	212.5	211.1	208.9	208.1	207.5	207.5
5°	235.7	232.0	225.5	219.1	213.3	208.1	203.9	200.3	198.1	196.5	197.3
7.5°	250.9	245.1	235.7	225.5	216.2	208.9	202.3	198.1	194.5	192.3	192.3
10°	274.7	266.7	252.3	237.8	226.2	215.3	207.5	200.9	196.5	194.5	194.5
12.5°	308.6	298.5	278.3	258.1	242.1	227.7	217.5	211.1	209.7	207.5	207.5
15°	349.1	336.8	312.3	286.3	264.5	245.1	236.3	230.5	226.9	224.1	224.1
17.5°	396.8	380.9	349.8	318.1	291.2	271.1	256.6	248.7	244.3	242.1	242.1
20°	451.8	432.2	393.9	354.2	320.9	299.3	279.7	267.4	263.1	260.9	260.2
22.5°	515.3	491.5	445.2	395.4	356.3	327.4	304.3	286.3	281.2	279.0	277.5
25°	591.3	564.6	503.0	442.4	393.9	354.2	326.0	305.7	298.5	296.3	295.6
27.5°	676.6	644.0	568.8	494.4	429.4	378.0	344.8	323.9	314.4	311.5	312.3
30°	771.9	733.6	641.2	547.2	464.1	399.7	360.0	337.5	327.4	324.5	324.5
32.5°	878.2	827.6	719.9	602.8	496.6	417.8	373.0	349.8	337.5	335.4	335.4
35°	995.4	942.6	805.2	659.2	525.4	432.2	382.4	359.3	346.3	343.3	343.3
37.5°	1129.7	1060.4	895.6	713.5	550.0	443.0	388.9	365.0	352.1	347.7	347.7
40°	1266.4	1186.1	989.6	764.7	571.0	449.6	392.5	367.8	355.6	349.8	349.1
42.5°	1416.0	1315.5	1085.7	811.7	585.5	453.2	393.3	370.1	357.1	349.8	348.4
45°	1571.3	1463.0	1174.5	852.2	596.3	453.2	392.5	369.4	357.1	347.7	346.3
47.5°	1728.3	1605.3	1267.1	886.2	601.4	451.0	391.0	368.6	356.3	344.8	343.3
50°	1891.6	1747.7	1354.6	912.9	600.7	446.7	387.5	366.4	353.5	341.2	339.7
52.5°	2044.8	1878.6	1434.8	931.7	596.3	440.2	383.1	364.3	351.3	337.5	336.1
55°	2193.7	2010.2	1504.2	941.9	586.9	432.2	378.8	361.4	349.1	333.9	333.2
57.5°	2313.7	2120.7	1558.4	941.0	573.2	422.1	373.6	357.9	346.3	331.8	330.3
60°	2412.0	2209.7	1593.1	930.3	556.5	412.0	367.8	353.5	343.3	328.9	326.6
62.5°	2469.8	2259.5	1601.7	907.1	536.4	400.4	360.0	346.9	338.2	325.3	323.1
63°	2476.4	2263.9	1599.5	901.4	532.0	397.6	358.5	346.3	337.5	324.5	322.5
65°	2474.1	2262.4	1578.6	871.7	513.2	386.0	351.3	339.7	332.4	320.2	318.1
67.5°	2417.8	2207.5	1519.4	822.5	485.7	370.8	339.7	330.3	323.1	312.3	310.1
70°	2295.6	2090.3	1419.6	761.1	455.4	353.5	325.3	318.1	310.9	300.7	297.8
72.5°	2114.9	1917.6	1285.9	695.3	423.6	333.2	309.3	302.1	296.3	287.7	282.7
75°	1879.3	1698.6	1131.2	621.5	388.9	312.3	289.9	284.1	276.9	268.9	264.5
77.5°	1605.3	1448.6	967.8	545.8	353.5	288.5	268.9	262.3	255.8	247.3	241.5
80°	1328.5	1196.9	805.9	472.0	318.1	263.1	245.8	240.0	232.0	222.7	216.9
82.5°	1065.4	962.8	659.2	404.0	283.3	237.8	221.9	214.7	206.0	196.5	193.0
85°	831.9	756.7	531.2	342.6	249.3	212.5	198.1	190.7	180.0	169.2	164.8
87.5°	641.9	586.9	426.4	288.5	218.3	187.9	173.5	164.8	154.7	143.7	140.2
90°	492.2	454.6	341.2	242.9	190.1	163.4	151.8	143.7	132.3	121.4	118.5
92.5°	377.3	352.1	273.9	204.6	162.6	143.1	133.0	124.3	112.7	101.9	99.8
95°	289.9	273.2	221.1	171.3	141.0	125.0	116.4	107.0	95.4	85.3	83.1
97.5°	224.7	213.3	178.5	144.5	122.2	109.2	101.9	92.6	81.0	71.6	70.2
100°	174.2	166.9	145.4	121.4	106.2	95.4	88.2	80.2	69.4	59.2	59.2
102.5°	135.9	131.5	119.3	104.2	92.6	84.5	78.0	69.4	58.6	50.6	49.8
105°	107.7	105.6	98.4	88.9	81.0	74.4	68.7	60.0	49.8	42.6	42.6
107.5°	86.0	85.3	81.7	75.9	70.8	65.8	60.7	52.0	42.6	36.8	36.8



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	70.2	70.2	68.7	65.0	62.2	57.8	52.8	45.6	36.2	31.8	31.8
112.5°	57.8	58.6	57.8	56.4	54.9	51.4	47.0	39.0	31.0	28.2	28.2
115°	48.4	49.1	49.1	49.1	48.4	45.6	41.2	34.0	26.8	24.6	24.6
117.5°	41.2	41.9	42.6	42.6	41.9	39.8	36.2	29.6	23.2	21.7	22.4
120°	35.4	36.2	36.8	37.5	36.8	35.4	31.0	25.3	20.2	19.5	19.5
122.5°	31.0	31.8	31.8	32.6	32.6	31.0	27.5	21.7	17.4	17.4	17.4
125°	26.8	27.5	28.2	28.2	29.0	26.8	23.2	18.0	15.2	15.2	16.0
127.5°	23.8	23.8	23.8	24.6	24.6	23.2	20.2	15.2	13.0	13.7	13.7
130°	21.0	21.0	21.7	21.7	21.7	20.2	16.6	13.0	11.6	12.2	12.2
132.5°	18.0	18.8	18.8	18.0	18.0	17.4	13.7	10.8	10.2	10.8	10.8
135°	16.0	16.6	16.6	15.2	15.2	13.7	11.6	8.6	9.4	9.4	10.2
137.5°	13.7	14.4	13.7	13.0	12.2	11.6	9.4	7.2	7.9	8.6	8.6
140°	11.6	11.6	11.6	10.8	10.2	8.6	7.2	5.8	7.2	7.2	7.2
142.5°	9.4	9.4	9.4	8.6	7.2	6.5	5.0	5.0	5.8	5.8	5.8
145°	7.2	7.2	7.2	6.5	5.0	4.4	3.6	3.6	4.4	5.0	5.0
147.5°	5.0	5.0	5.0	4.4	2.8	2.1	2.1	2.8	3.6	3.6	3.6
150°	3.6	3.6	3.6	2.8	2.1	1.4	1.4	2.1	2.1	2.8	2.8
152.5°	2.1	2.8	2.8	2.1	1.4	0.8	0.8	1.4	1.4	1.4	1.4
155°	1.4	1.4	2.1	1.4	1.4	0.8	0.0	0.0	0.8	0.8	0.8
157.5°	1.4	1.4	1.4	1.4	0.8	0.8	0.0	0.0	0.0	0.0	0.0
160°	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0
162.5°	0.8	0.8	0.8	0.8	0.8	0.8	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)