

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: P254845

Luminaire Tested: **LXF.LXT-AF24-60-D-U-T3-FL-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P254845  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-29)  
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-T3-FL-7030  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS  
AND FROSTED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5945.9 lumens  
Efficiency: N/A  
Efficacy: 92.9 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type IV - 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

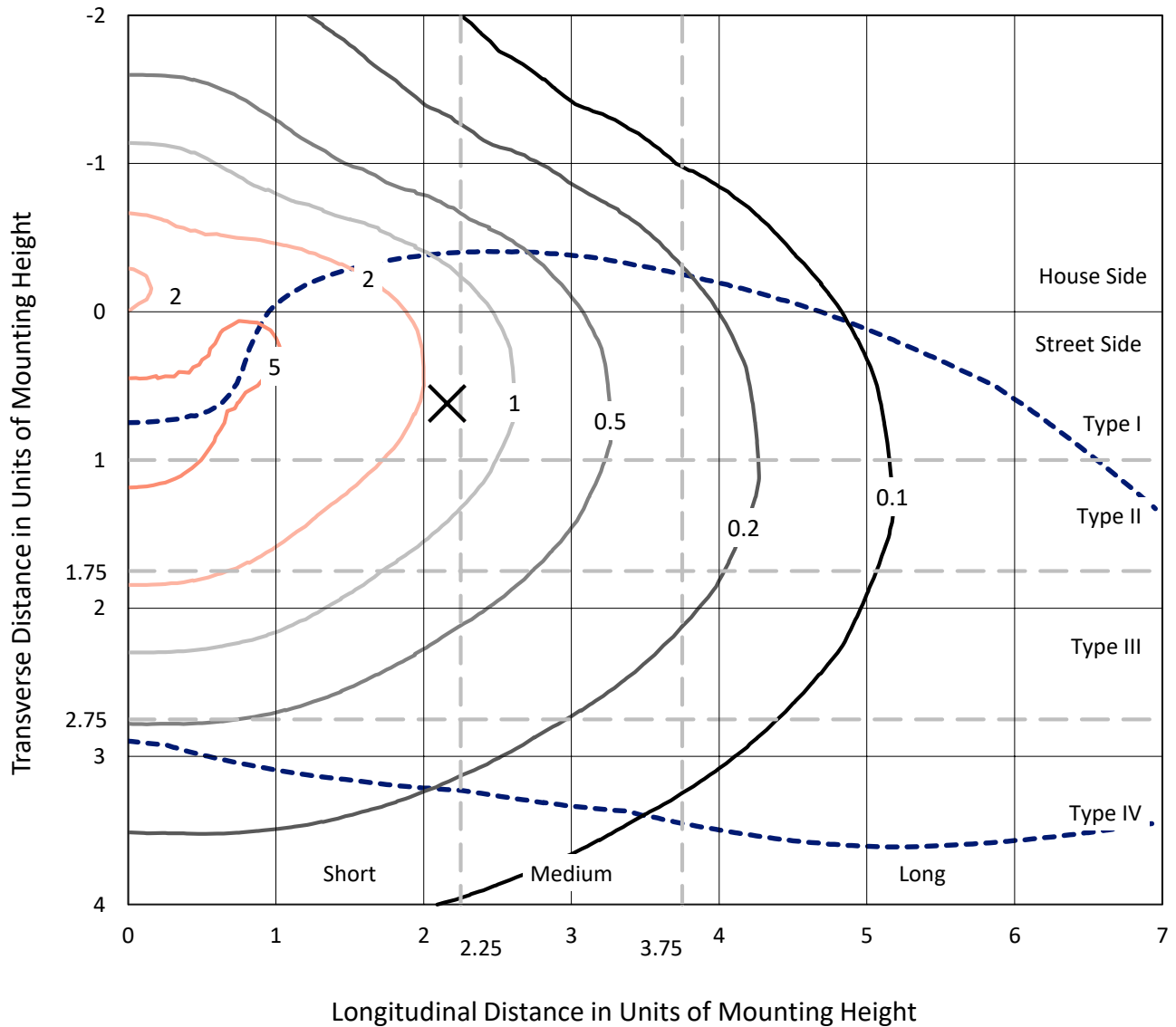


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

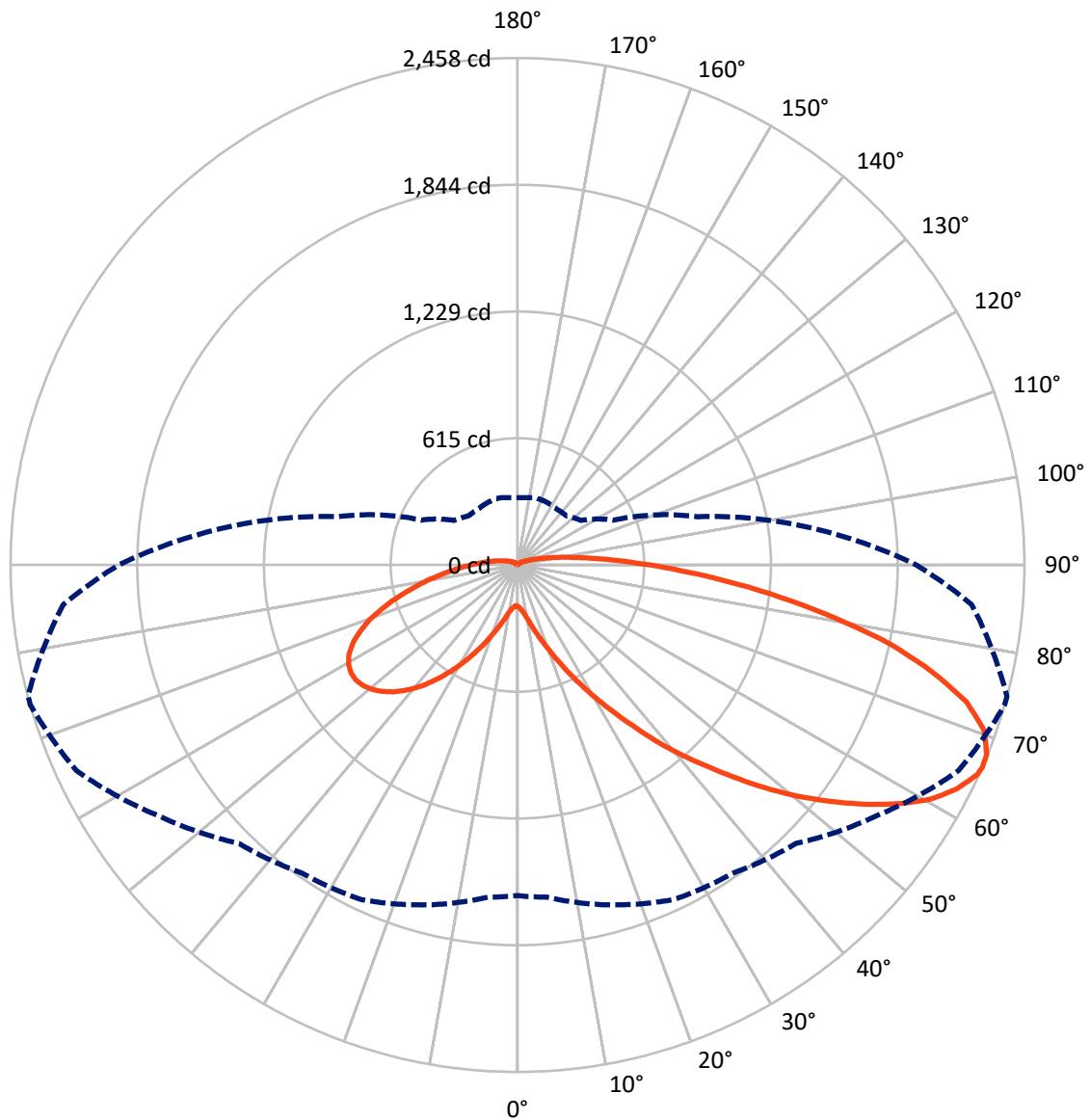


Based on 10 foot mounting height. Maximum calculated value = 6.3 fc  
 Type IV - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral      - - - Horizontal Cone Through 66-Deg Vertical



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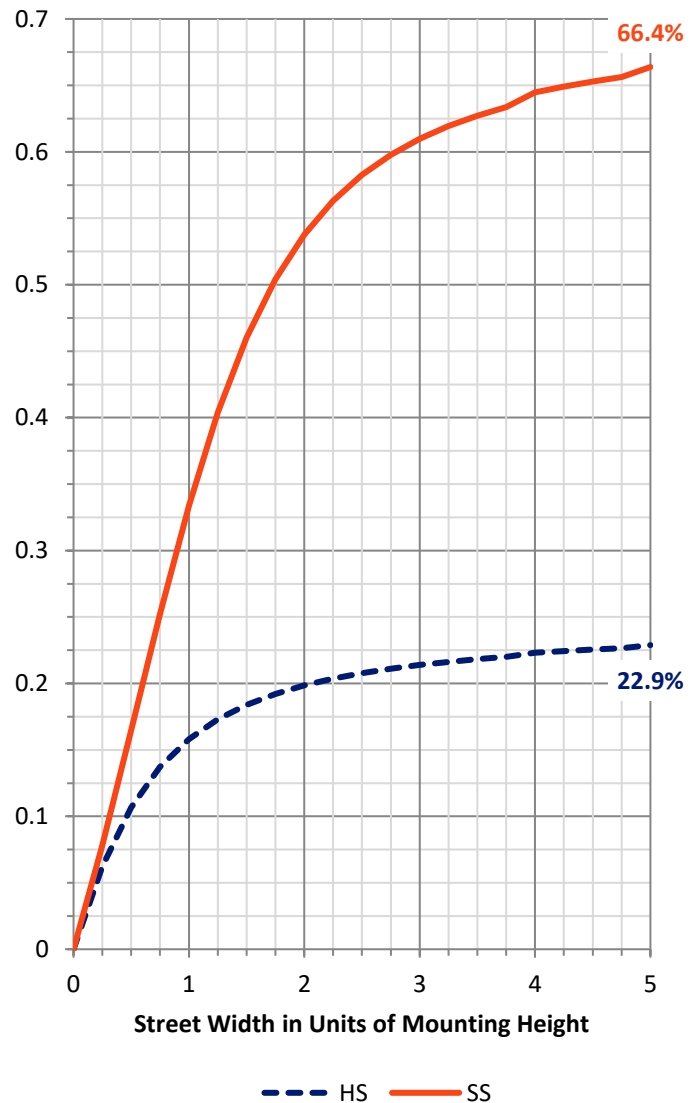
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1430.1	147.9	1578.0
	% Fixture	24.1	2.5	26.5
<b>Street Side</b>	Lumens	4114.4	253.5	4367.9
	% Fixture	69.2	4.3	73.5
<b>Total</b>	Lumens	5544.5	401.3	5945.9
	% Fixture	93.2	6.8	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	21.3	0.4
10°-20°	90.0	1.5
20°-30°	230.9	3.9
30°-40°	467.7	7.9
40°-50°	791.8	13.3
50°-60°	1122.8	18.9
60°-70°	1267.7	21.3
70°-80°	1013.7	17.0
80°-90°	538.5	9.1
90°-100°	227.1	3.8
100°-110°	96.6	1.6
110°-120°	44.6	0.7
120°-130°	21.3	0.4
130°-140°	9.2	0.2
140°-150°	2.4	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5544.5	93.2
0°-180°	5945.9	100.0

**Coefficient of Utilization**



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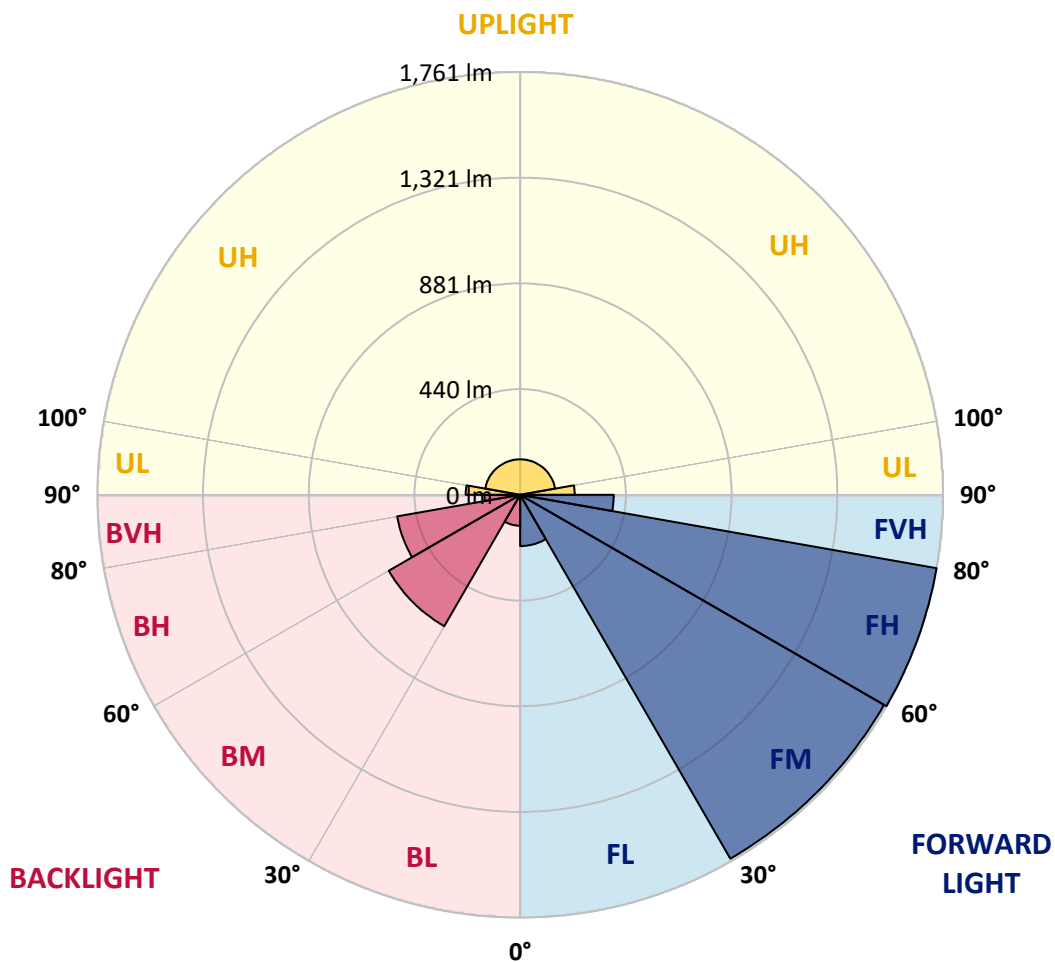
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	213.3	3.6			
FM	(30°-60°)	1750.1	29.4			
FH	(60°-80°)	1761.3	29.6			G1/1800
FVH	(80°-90°)	389.6	6.6			G3/500
BL	(0°-30°)	128.9	2.2	B1/500		
BM	(30°-60°)	632.2	10.6	B1/1000		
BH	(60°-80°)	520.1	8.7	B2/1000		G2/1000
BVH	(80°-90°)	148.9	2.5			G2/225
UL	(90°-100°)	227.1	3.8		U3/500	
UH	(100°-180°)	147.9	2.5		U3/500	

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

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	200.9	200.9	200.9	200.9	200.9	200.9	200.9	200.9	200.9	200.9	200.9
2.5°	218.9	220.3	218.9	218.3	216.8	216.2	213.2	209.6	207.4	206.7	203.8
5°	241.4	243.5	242.1	240.0	237.7	234.9	230.5	224.7	220.3	219.7	213.9
7.5°	268.9	271.7	269.6	266.7	263.1	258.7	252.3	245.0	238.5	237.1	229.8
10°	307.9	307.1	304.3	299.9	294.9	290.5	282.6	271.7	263.8	262.3	252.3
12.5°	352.0	352.0	347.7	341.1	333.9	327.3	319.5	307.1	298.5	296.3	284.1
15°	401.8	404.0	397.4	390.3	380.1	370.7	363.5	350.5	340.5	338.2	323.1
17.5°	460.4	461.1	453.9	444.4	432.8	424.3	413.4	399.7	388.1	385.9	367.1
20°	527.6	526.8	518.2	505.3	492.2	484.2	470.5	455.3	442.3	440.9	418.5
22.5°	604.2	598.4	591.8	575.2	564.5	549.2	534.9	517.5	505.3	503.0	479.2
25°	690.2	682.3	675.8	654.0	638.2	620.0	605.0	589.8	579.6	575.2	547.1
27.5°	787.0	782.0	768.9	742.2	717.7	695.2	683.8	669.2	658.4	656.2	627.3
30°	895.5	883.2	869.4	836.9	803.7	773.3	761.7	756.0	748.0	745.1	712.6
32.5°	1003.1	1002.5	982.1	940.9	897.6	863.7	852.8	849.9	842.7	843.4	804.3
35°	1130.3	1129.6	1104.3	1053.7	999.5	957.6	950.3	954.0	951.8	951.1	907.0
37.5°	1265.4	1262.6	1234.4	1173.0	1105.8	1058.0	1053.0	1065.3	1074.7	1068.2	1016.8
40°	1405.0	1407.1	1368.8	1296.6	1217.8	1163.6	1160.7	1188.8	1199.0	1192.4	1131.8
42.5°	1540.1	1538.7	1502.6	1428.1	1331.3	1273.4	1275.6	1312.4	1324.8	1321.8	1254.7
45°	1670.9	1669.5	1636.9	1550.3	1447.5	1384.8	1395.6	1440.4	1464.2	1464.2	1384.0
47.5°	1785.9	1784.4	1756.3	1668.1	1559.6	1496.0	1513.4	1574.1	1613.9	1608.8	1514.2
50°	1879.8	1877.6	1858.1	1777.2	1665.8	1605.1	1634.8	1713.6	1762.1	1751.1	1647.1
52.5°	1939.8	1942.6	1933.3	1865.4	1761.3	1706.3	1751.9	1850.9	1904.4	1900.0	1782.2
55°	1968.8	1970.2	1981.8	1929.0	1837.8	1796.0	1863.2	1983.2	2048.9	2043.1	1912.4
57.5°	1954.9	1959.3	1990.3	1963.0	1890.6	1869.7	1963.0	2105.3	2184.1	2184.7	2027.2
60°	1897.2	1908.8	1956.4	1963.0	1916.6	1917.4	2045.4	2213.7	2304.1	2299.0	2122.6
62.5°	1800.3	1814.8	1884.1	1919.5	1903.7	1939.1	2099.5	2298.3	2390.8	2394.4	2191.3
65°	1666.6	1680.3	1764.2	1835.0	1853.8	1926.8	2123.4	2351.7	2450.0	2449.3	2215.1
66°	1603.0	1616.7	1706.3	1790.2	1823.4	1909.5	2122.0	2359.7	2458.0	2457.2	2211.5
67.5°	1498.2	1513.4	1606.6	1708.5	1763.5	1871.2	2105.3	2355.3	2453.6	2452.3	2187.7
70°	1304.5	1321.8	1426.0	1538.7	1630.4	1772.0	2038.8	2306.3	2400.2	2392.9	2099.5
72.5°	1102.1	1120.2	1224.2	1344.2	1473.6	1641.3	1919.5	2192.8	2277.3	2267.9	1952.0
75°	904.1	921.5	1024.1	1146.2	1286.4	1469.3	1751.9	2013.5	2080.8	2080.0	1753.3
77.5°	723.4	738.6	830.4	951.8	1093.4	1278.5	1545.9	1796.7	1851.6	1837.2	1516.9
80°	567.4	581.8	660.6	769.7	907.7	1080.5	1320.4	1534.3	1563.9	1555.3	1267.6
82.5°	440.1	453.1	521.8	616.4	740.8	892.5	1083.3	1269.8	1283.6	1274.2	1026.3
85°	340.5	352.0	410.5	492.2	597.6	723.4	875.9	1008.3	1021.2	1014.7	810.9
87.5°	263.8	271.7	320.9	389.5	478.4	580.3	694.6	796.4	791.4	784.9	627.3
90°	203.8	211.8	252.3	309.3	382.3	461.8	545.6	614.4	605.0	597.6	481.3
92.5°	158.3	164.1	199.5	247.2	306.5	367.1	426.4	470.5	458.3	453.1	367.1
95°	125.0	129.4	157.6	201.7	247.2	293.5	333.9	364.9	346.9	342.5	279.7
97.5°	100.4	103.4	127.2	162.6	200.9	236.3	263.8	276.8	263.1	259.5	213.2
100°	82.4	83.8	104.2	132.2	163.4	192.3	209.6	215.3	200.9	198.0	162.6
102.5°	68.0	69.4	86.0	111.3	135.9	156.1	166.9	170.6	152.5	150.3	125.7
105°	57.2	57.8	71.6	94.0	114.1	128.6	135.9	132.2	117.8	115.6	98.4
107.5°	49.1	49.8	60.0	80.2	96.8	107.7	112.0	107.0	91.8	89.6	77.3



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	42.6	42.6	51.4	68.0	82.4	91.8	93.2	85.3	72.2	70.8	62.2
112.5°	37.5	37.5	44.8	58.6	70.8	78.0	78.0	69.4	57.2	56.4	50.6
115°	34.0	34.0	39.0	50.6	61.4	67.2	65.8	56.4	46.2	45.6	41.9
117.5°	30.4	30.4	34.0	43.3	52.8	57.8	55.6	46.2	37.5	36.8	35.4
120°	27.5	27.5	30.4	36.8	45.6	49.1	47.0	38.4	31.0	30.4	29.6
122.5°	25.3	25.3	26.8	32.6	39.0	41.9	39.8	31.8	26.0	26.0	25.3
125°	23.2	23.2	24.6	28.2	33.3	36.2	33.3	26.0	21.7	21.7	22.4
127.5°	21.7	21.7	22.4	24.6	29.0	30.4	27.5	21.7	18.8	18.8	19.5
130°	19.5	19.5	20.2	21.7	23.8	25.3	22.4	18.0	16.6	16.0	16.6
132.5°	18.0	18.0	18.0	18.8	19.5	20.2	18.0	14.4	13.7	13.7	14.4
135°	16.0	16.6	16.0	16.0	16.0	16.0	13.7	11.6	11.6	11.6	12.2
137.5°	14.4	14.4	13.7	13.0	13.0	12.2	10.8	9.4	9.4	9.4	10.2
140°	12.2	12.2	12.2	10.8	9.4	8.6	7.2	7.2	7.9	7.9	8.6
142.5°	10.2	10.2	9.4	8.6	6.5	5.8	5.0	5.0	5.8	5.8	6.5
145°	7.9	7.9	7.2	5.8	4.4	2.8	2.8	2.8	3.6	3.6	4.4
147.5°	5.8	5.8	5.0	3.6	2.1	1.4	1.4	2.1	2.8	2.8	3.6
150°	3.6	3.6	2.8	2.1	0.8	0.0	0.8	1.4	2.1	2.1	2.8
152.5°	1.4	1.4	1.4	0.8	0.0	0.0	0.0	0.8	1.4	1.4	2.1
155°	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8	0.8	1.4
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
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°	200.9	200.9	200.9	200.9	200.9	200.9	200.9	200.9	200.9	200.9	200.9
2.5°	202.3	200.9	198.0	195.9	193.0	191.5	190.7	189.3	188.6	187.9	187.9
5°	211.1	208.1	203.1	198.0	193.7	189.3	187.2	184.9	182.9	181.4	181.4
7.5°	225.5	221.1	213.2	205.3	198.0	192.3	187.9	184.9	182.1	180.8	180.0
10°	245.8	240.0	229.1	218.3	208.1	199.5	193.7	190.1	187.2	184.9	184.3
12.5°	277.5	268.9	252.9	237.1	221.1	211.8	203.8	201.7	200.2	198.8	200.2
15°	314.3	303.5	284.1	263.1	243.5	228.4	221.9	220.3	218.9	218.3	218.3
17.5°	355.5	344.0	318.0	290.5	266.7	251.6	242.1	239.2	237.1	236.3	235.6
20°	405.5	390.3	357.1	321.7	293.5	276.8	263.8	258.7	256.5	256.5	256.5
22.5°	463.3	443.0	401.8	355.5	323.1	299.9	286.2	278.3	276.8	277.5	276.8
25°	528.3	503.6	451.0	393.9	351.3	322.4	305.0	297.7	295.5	297.0	297.0
27.5°	602.0	573.8	503.6	434.3	378.0	341.9	322.4	315.9	313.7	315.9	315.9
30°	679.4	647.6	558.7	472.6	401.1	357.8	336.1	331.0	328.9	331.0	331.7
32.5°	771.9	724.2	616.4	509.4	422.9	370.7	347.7	343.3	341.1	344.0	344.0
35°	867.3	808.7	674.3	543.4	440.1	380.1	355.5	352.0	350.5	353.5	353.5
37.5°	964.1	900.6	733.5	573.8	453.1	386.7	361.3	358.5	357.8	357.8	358.5
40°	1070.3	990.9	790.0	598.4	462.5	390.3	364.9	361.3	360.7	359.9	359.9
42.5°	1180.2	1078.3	840.5	617.2	466.9	391.0	364.9	362.8	362.0	359.3	358.5
45°	1293.0	1171.5	888.3	630.2	468.2	389.5	364.3	362.0	361.3	356.3	355.5
47.5°	1407.8	1261.2	927.3	636.0	464.7	386.7	362.0	359.9	358.5	350.5	350.5
50°	1521.3	1349.4	960.5	636.8	458.9	381.7	359.3	358.5	355.5	346.2	344.7
52.5°	1632.7	1432.4	985.1	631.6	449.5	376.5	356.3	356.3	352.7	342.5	341.1
55°	1737.4	1506.9	999.5	620.0	438.6	370.1	352.7	353.5	349.8	338.9	337.5
57.5°	1828.5	1568.3	1001.7	602.8	426.4	363.5	349.1	350.5	348.3	336.1	334.7
60°	1901.4	1607.3	991.5	581.8	411.9	355.5	344.7	347.7	345.5	333.9	333.1
62.5°	1941.2	1622.5	966.3	555.8	397.4	348.3	338.9	344.0	342.5	331.0	330.3
65°	1944.2	1603.7	924.4	526.2	382.3	339.7	333.9	338.2	338.2	328.1	327.3
66°	1933.3	1585.0	903.3	514.6	375.9	336.1	331.0	336.1	336.7	327.3	325.9
67.5°	1899.4	1545.9	867.3	494.3	365.7	330.3	325.9	331.7	332.4	324.5	322.4
70°	1804.6	1450.5	801.5	461.1	349.1	318.7	316.6	322.4	323.7	317.3	315.1
72.5°	1659.3	1325.5	724.2	424.9	330.3	305.7	305.0	310.8	312.3	306.5	304.3
75°	1475.8	1161.4	638.8	389.5	310.1	291.2	290.5	294.9	297.0	292.7	289.1
77.5°	1266.2	993.0	555.0	353.5	289.9	274.7	274.7	278.3	278.9	274.7	271.1
80°	1051.5	826.8	479.2	317.3	268.9	255.8	255.8	257.3	258.0	253.7	249.3
82.5°	849.9	674.3	406.1	282.6	245.0	234.9	234.2	234.2	233.5	229.8	224.7
85°	672.2	541.3	339.7	250.1	221.9	213.9	211.8	209.6	208.1	203.8	199.5
87.5°	525.4	430.7	286.2	219.7	198.8	192.3	189.3	186.5	182.9	177.8	172.0
90°	408.3	341.1	238.5	191.5	175.6	169.8	165.5	161.1	156.8	151.0	148.1
92.5°	316.6	269.6	199.5	164.8	153.9	149.5	145.4	139.6	133.8	128.0	125.0
95°	246.5	214.7	165.5	142.4	134.4	130.8	126.5	119.9	112.7	107.0	104.8
97.5°	192.3	170.6	138.0	122.9	117.8	113.5	109.2	102.6	94.7	88.2	86.8
100°	149.5	135.9	115.6	106.2	101.9	99.0	94.7	88.2	78.7	72.2	71.6
102.5°	118.5	109.2	96.8	91.8	88.9	86.0	81.6	75.2	65.8	58.6	58.6
105°	94.0	88.2	81.6	78.7	76.6	74.4	70.2	63.6	53.4	47.7	47.7
107.5°	75.9	71.6	68.7	67.2	66.5	64.4	60.7	53.4	44.0	39.0	39.0



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	61.4	59.2	57.8	57.8	57.2	56.4	52.0	44.8	36.2	31.8	32.6
112.5°	50.6	49.1	49.1	49.8	49.8	48.4	44.0	37.5	29.6	26.8	26.8
115°	41.9	41.2	41.9	42.6	43.3	41.9	37.5	31.0	23.8	22.4	22.4
117.5°	35.4	35.4	36.2	36.8	36.8	35.4	31.8	26.0	19.5	18.8	18.8
120°	30.4	30.4	30.4	31.0	31.8	30.4	26.8	21.0	16.0	16.0	16.0
122.5°	26.0	26.0	26.0	26.8	26.8	26.0	22.4	17.4	13.7	13.7	13.7
125°	22.4	22.4	22.4	23.2	23.2	21.7	18.0	14.4	11.6	11.6	11.6
127.5°	19.5	19.5	19.5	19.5	19.5	18.0	15.2	11.6	9.4	10.2	10.2
130°	17.4	17.4	16.6	16.6	16.0	15.2	12.2	9.4	7.9	8.6	8.6
132.5°	14.4	15.2	14.4	13.7	13.0	11.6	9.4	7.2	6.5	7.2	7.2
135°	12.2	13.0	12.2	10.8	10.2	9.4	7.2	5.8	5.8	5.8	5.8
137.5°	10.8	10.8	10.2	8.6	7.9	6.5	5.0	4.4	4.4	5.0	5.0
140°	8.6	8.6	7.9	6.5	5.8	4.4	2.8	2.8	3.6	3.6	3.6
142.5°	6.5	6.5	5.8	4.4	2.8	2.1	1.4	1.4	2.1	2.8	2.8
145°	4.4	4.4	4.4	2.8	2.1	0.8	0.0	0.8	1.4	1.4	1.4
147.5°	3.6	3.6	2.8	2.1	0.8	0.0	0.0	0.0	0.8	0.8	0.8
150°	2.8	2.8	2.1	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.1	2.1	1.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.4	1.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.8	0.8	0.0	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)