

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: P415836

Luminaire Tested: **LXF.LXT-PA1-60-727-U-T3-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415836
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-17)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-60-727-U-T3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 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: 5802 lumens
Efficiency: N/A
Efficacy: 90.7 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

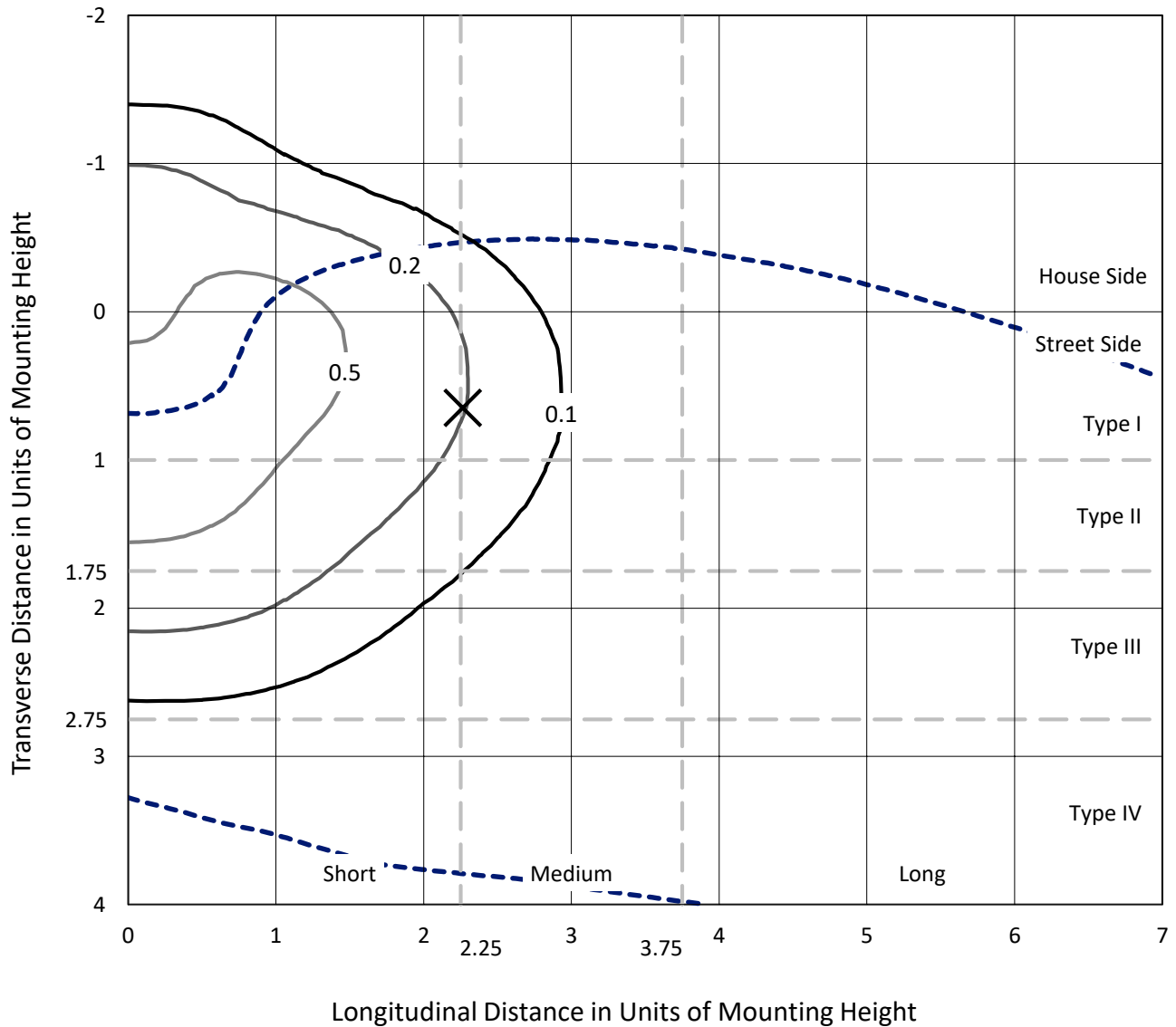
Input Watts (W): 64
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

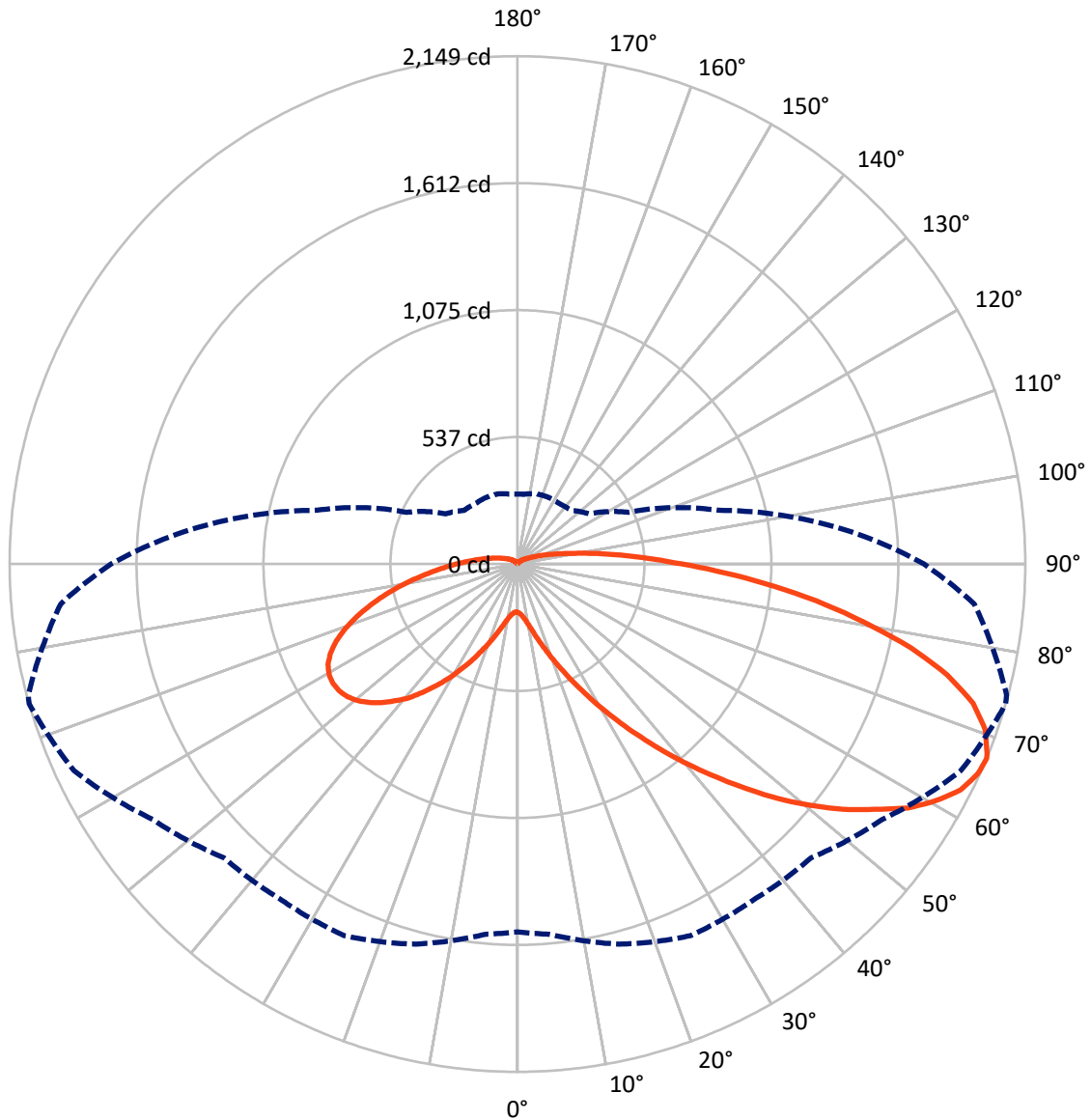
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 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
House Side	Lumens	1398.6	173.0	1571.6
	% Fixture	24.1	3.0	27.1
Street Side	Lumens	3929.3	301.1	4230.4
	% Fixture	67.7	5.2	72.9
Total	Lumens	5327.9	474.1	5802.0
	% Fixture	91.8	8.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.5	0.4
10°-20°	89.0	1.5
20°-30°	225.4	3.9
30°-40°	452.2	7.8
40°-50°	759.1	13.1
50°-60°	1064.9	18.4
60°-70°	1190.3	20.5
70°-80°	971.1	16.7
80°-90°	554.3	9.6
90°-100°	253.3	4.4
100°-110°	115.9	2.0
110°-120°	57.2	1.0
120°-130°	29.1	0.5
130°-140°	13.5	0.2
140°-150°	4.4	0.1
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5327.9	91.8
0°-180°	5802.0	100.0

Coefficient of Utilization



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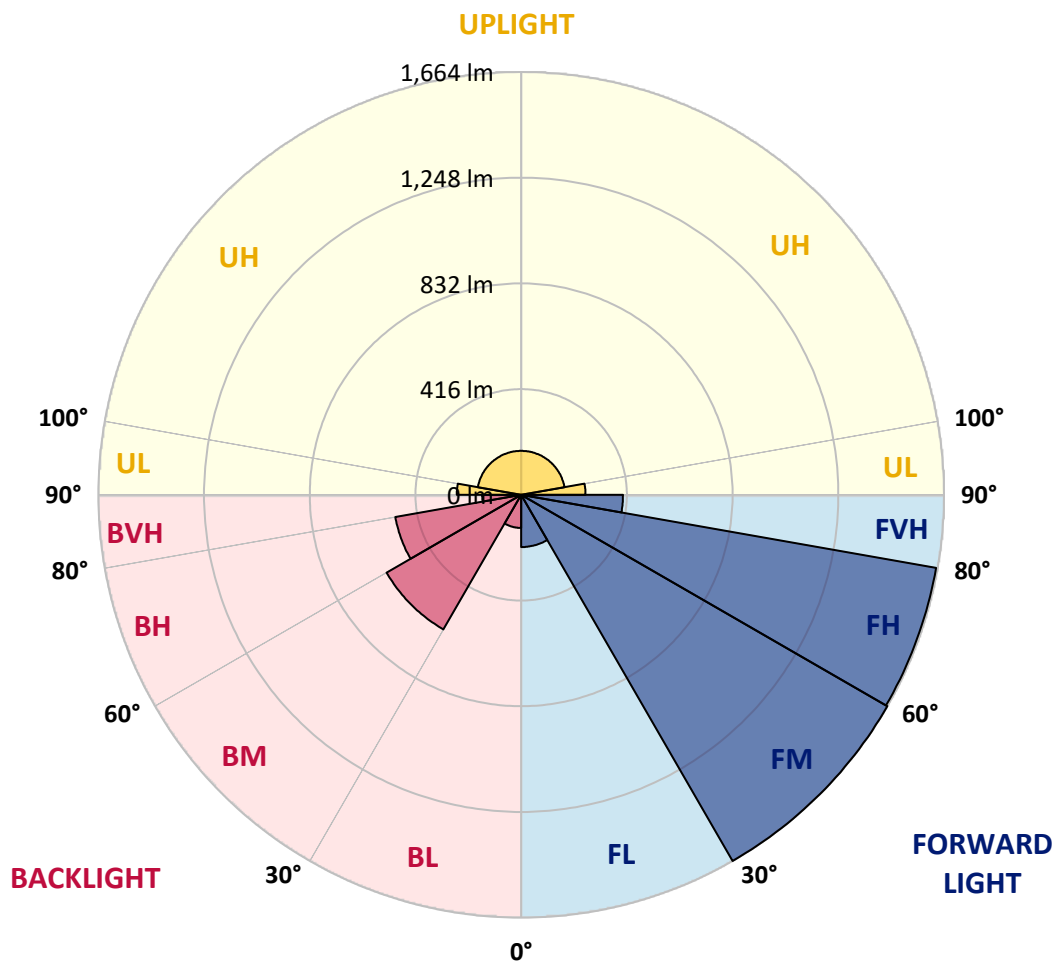
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	205.6	3.5			
FM	(30°-60°)	1664.4	28.7			
FH	(60°-80°)	1658.5	28.6			G1/1800
FVH	(80°-90°)	400.8	6.9			G3/500
BL	(0°-30°)	130.3	2.2	B1/500		
BM	(30°-60°)	611.8	10.5	B1/1000		
BH	(60°-80°)	502.9	8.7	B2/1000		G2/1000
BVH	(80°-90°)	153.5	2.6			G2/225
UL	(90°-100°)	253.3	4.4		U3/500	
UH	(100°-180°)	173.0	3.0		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°	74°	75°	85°
0°	204.7	204.7	204.7	204.7	204.7	204.7	204.7	204.7	204.7	204.7	204.7
2.5°	222.4	221.0	221.0	219.7	219.0	216.3	214.2	211.5	210.1	209.4	207.4
5°	242.9	240.8	240.8	239.5	236.7	233.3	228.5	225.8	221.0	221.7	215.6
7.5°	267.4	266.8	265.4	262.7	259.2	255.2	250.4	244.2	238.8	238.8	231.3
10°	300.2	296.1	296.1	292.7	289.3	283.1	276.3	269.5	262.0	261.3	251.1
12.5°	339.8	339.1	335.0	330.2	324.7	318.6	307.7	300.9	293.4	292.7	281.8
15°	386.1	384.1	378.6	376.6	368.4	357.5	348.6	341.8	334.3	331.6	317.2
17.5°	440.7	438.0	435.9	425.7	418.9	410.0	399.8	390.9	378.0	376.6	360.9
20°	504.9	498.7	492.6	484.4	473.5	465.3	454.4	446.2	431.2	431.2	410.0
22.5°	572.4	571.0	565.6	551.9	536.9	528.7	518.5	502.1	489.8	486.4	463.2
25°	654.3	652.9	642.0	627.7	612.0	599.7	583.3	565.6	555.3	554.7	528.7
27.5°	747.0	749.1	730.0	711.6	690.4	670.6	652.9	644.0	630.4	628.3	598.3
30°	858.9	850.1	830.3	803.7	774.3	749.1	730.7	721.8	712.9	712.3	676.1
32.5°	972.9	962.6	945.6	908.7	867.8	828.9	820.0	812.5	802.3	796.9	760.7
35°	1099.1	1090.9	1066.3	1017.9	963.3	921.0	902.6	904.0	899.2	896.5	852.8
37.5°	1238.3	1223.9	1190.5	1143.4	1062.9	1017.2	996.1	1007.7	1004.9	999.5	953.8
40°	1369.2	1367.2	1331.7	1258.7	1177.5	1112.7	1098.4	1118.2	1114.8	1107.9	1057.5
42.5°	1520.7	1505.7	1466.1	1384.3	1286.0	1214.4	1198.7	1228.0	1232.1	1233.5	1165.9
45°	1650.3	1643.5	1606.0	1511.8	1398.6	1320.8	1307.8	1339.2	1352.9	1354.2	1279.9
47.5°	1776.5	1773.8	1735.6	1638.0	1508.4	1425.9	1408.8	1453.8	1482.5	1476.4	1388.3
50°	1871.4	1876.1	1845.4	1752.7	1617.6	1519.3	1523.4	1578.7	1605.3	1601.9	1504.3
52.5°	1952.6	1945.7	1932.8	1844.8	1704.2	1614.2	1618.9	1685.1	1724.7	1722.6	1614.2
55°	1982.6	1980.5	1981.9	1910.3	1775.2	1691.9	1706.3	1799.7	1832.5	1828.4	1703.5
57.5°	1976.4	1975.1	1996.2	1949.1	1832.5	1753.3	1786.1	1893.9	1947.8	1942.3	1797.7
60°	1930.0	1923.9	1969.6	1952.6	1855.7	1791.5	1848.9	1976.4	2034.4	2033.1	1874.8
62.5°	1825.7	1835.2	1898.7	1914.4	1848.9	1811.3	1886.4	2040.6	2105.4	2100.6	1930.0
65°	1680.3	1704.2	1780.6	1835.2	1802.5	1793.6	1900.0	2069.2	2140.9	2140.2	1949.8
67°	1556.2	1572.6	1665.3	1734.9	1737.0	1757.4	1884.3	2069.9	2149.0	2142.9	1940.3
67.5°	1512.5	1534.3	1628.5	1713.1	1722.0	1747.2	1878.2	2068.5	2143.6	2140.2	1935.5
70°	1314.7	1339.9	1442.9	1549.4	1603.9	1658.5	1822.3	2030.3	2099.9	2092.4	1880.2
72.5°	1114.1	1149.6	1247.1	1373.3	1453.2	1543.2	1725.4	1934.8	2016.7	2001.0	1772.4
75°	921.7	945.6	1040.4	1176.9	1280.6	1402.7	1593.0	1805.9	1879.6	1866.6	1635.3
77.5°	734.8	756.6	848.0	985.1	1102.5	1239.6	1438.2	1644.2	1701.5	1694.0	1461.3
80°	579.9	595.6	683.6	805.7	926.5	1073.2	1261.5	1445.7	1483.2	1488.6	1269.6
82.5°	446.2	466.6	543.1	650.9	764.8	904.6	1068.4	1231.4	1273.1	1259.4	1073.2
85°	341.1	358.2	426.4	517.8	631.7	749.8	895.8	1029.5	1047.9	1032.2	869.8
87.5°	266.8	279.7	332.9	421.6	512.4	613.3	730.0	832.3	841.9	839.1	696.6
90°	206.7	218.3	262.7	332.9	416.2	502.8	594.2	665.9	661.1	665.2	549.2
92.5°	162.4	168.5	208.8	270.8	340.4	410.0	479.6	527.4	526.7	515.1	428.4
95°	131.7	135.1	169.9	221.7	277.7	332.9	384.8	415.5	414.1	401.8	334.3
97.5°	106.4	108.5	138.5	182.2	229.2	272.2	309.7	331.6	320.7	315.9	262.0
100°	87.3	88.7	114.6	152.1	191.0	227.9	254.5	263.3	248.3	245.6	206.0
102.5°	74.4	75.0	96.9	128.9	159.6	187.6	207.4	211.5	193.8	195.1	162.4
105°	63.4	64.1	81.2	109.8	135.8	156.9	171.2	169.2	154.9	152.8	129.6
107.5°	55.3	55.9	69.6	94.1	116.7	134.4	141.9	137.1	124.2	121.4	104.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	48.4	49.1	60.0	80.5	100.3	115.3	119.4	111.9	100.3	97.6	86.0
112.5°	43.7	43.7	52.5	69.6	87.3	99.6	101.0	93.5	80.5	79.1	71.6
115°	39.6	39.6	46.4	60.0	75.7	85.3	85.3	76.4	66.2	65.5	60.0
117.5°	36.2	36.2	40.9	52.5	65.5	73.7	72.3	64.1	55.3	54.6	51.8
120°	33.4	33.4	36.8	45.7	56.6	62.8	61.4	53.2	46.4	45.7	44.3
122.5°	30.7	31.4	33.4	40.3	49.1	53.9	52.5	45.7	39.6	38.9	38.9
125°	28.7	28.7	30.0	34.8	42.3	46.4	44.3	37.5	33.4	33.4	33.4
127.5°	26.6	26.6	27.3	30.7	36.2	38.9	36.8	31.4	29.3	28.7	29.3
130°	24.6	24.6	25.2	26.6	30.7	32.1	30.0	26.6	24.6	24.6	25.2
132.5°	22.5	22.5	22.5	23.2	25.2	26.6	24.6	21.8	21.1	21.1	21.8
135°	20.5	21.1	20.5	20.5	21.1	21.1	19.1	17.7	17.7	18.4	19.1
137.5°	18.4	18.4	17.7	17.1	17.1	16.4	15.0	14.3	15.0	15.0	15.7
140°	16.4	16.4	15.7	14.3	13.0	12.3	11.6	10.9	12.3	12.3	13.0
142.5°	14.3	14.3	13.0	11.6	9.6	8.2	7.5	8.2	9.6	9.6	10.2
145°	11.6	11.6	10.9	9.6	6.8	5.5	4.8	6.1	6.8	6.8	7.5
147.5°	9.6	8.9	8.2	6.8	4.8	3.4	2.7	4.1	4.8	4.8	5.5
150°	6.8	6.8	6.1	4.8	2.7	1.4	1.4	2.0	2.7	2.7	3.4
152.5°	4.8	4.8	4.1	2.7	1.4	0.0	0.7	1.4	1.4	1.4	2.0
155°	2.7	2.7	2.7	2.0	0.7	0.0	0.0	0.7	0.7	0.7	1.4
157.5°	1.4	1.4	1.4	1.4	0.7	0.0	0.0	0.0	0.7	0.7	0.7
160°	0.7	0.7	1.4	0.7	0.7	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	204.7	204.7	204.7	204.7	204.7	204.7	204.7	204.7	204.7	204.7	204.7
2.5°	206.0	204.7	203.3	201.3	199.9	198.5	197.2	196.5	196.5	195.8	196.5
5°	213.5	211.5	207.4	204.0	199.9	197.2	194.4	193.1	191.7	191.0	191.0
7.5°	227.2	224.5	217.6	211.5	205.4	200.6	197.2	193.8	192.4	191.7	191.7
10°	247.0	242.9	232.6	223.8	214.9	208.8	202.6	199.2	197.2	195.8	195.8
12.5°	274.9	268.1	255.2	240.1	228.5	220.4	212.9	209.4	208.8	208.8	208.8
15°	312.5	302.9	283.1	265.4	248.3	234.0	228.5	228.5	227.9	227.2	227.9
17.5°	351.4	340.4	315.9	293.4	272.2	257.9	249.0	247.0	246.3	245.6	246.3
20°	397.7	384.1	355.4	324.7	298.1	284.5	272.2	266.8	266.1	266.8	265.4
22.5°	450.3	435.3	393.0	356.1	326.8	307.7	293.4	285.9	287.2	287.2	286.5
25°	513.7	490.5	440.7	390.9	355.4	328.8	312.5	305.0	305.6	307.0	308.4
27.5°	577.9	551.2	487.8	427.1	380.7	350.0	330.9	322.7	322.0	326.1	325.4
30°	652.9	618.8	539.6	463.9	403.9	365.0	345.2	338.4	337.7	341.1	341.8
32.5°	733.4	691.1	593.5	500.8	424.4	378.0	355.4	350.7	349.3	352.7	353.4
35°	821.4	767.5	646.1	532.8	441.4	386.8	363.6	358.2	356.1	359.5	360.9
37.5°	906.7	843.9	700.0	561.5	455.1	392.3	367.0	362.9	360.2	362.3	362.9
40°	996.7	929.9	754.6	587.4	463.2	395.0	368.4	364.3	361.6	361.6	361.6
42.5°	1095.7	1009.0	798.9	605.8	468.0	394.3	367.0	362.3	358.9	356.1	356.1
45°	1197.3	1094.3	844.6	620.8	468.7	390.9	363.6	359.5	354.1	348.6	347.9
47.5°	1296.2	1171.4	884.9	629.0	466.6	386.1	358.9	353.4	348.6	340.4	340.4
50°	1392.4	1248.5	918.3	633.1	460.5	380.7	354.1	348.6	342.5	331.6	330.2
52.5°	1480.5	1318.8	943.5	631.7	451.6	373.2	347.9	343.2	335.7	322.7	322.7
55°	1567.1	1383.6	959.2	622.9	440.7	365.0	342.5	337.7	329.5	315.9	314.5
57.5°	1638.0	1430.0	965.4	609.2	428.4	356.1	337.0	332.2	324.7	309.7	309.7
60°	1698.1	1468.9	961.3	591.5	414.8	347.9	330.2	327.5	320.7	306.3	306.3
62.5°	1732.9	1484.5	945.6	569.0	399.1	339.1	324.1	322.7	316.6	302.9	302.9
65°	1740.4	1474.3	913.5	541.0	383.4	328.8	317.2	316.6	312.5	299.5	298.1
67°	1719.9	1447.7	878.0	517.1	369.8	320.7	311.1	311.1	307.7	296.1	295.4
67.5°	1712.4	1437.5	868.5	511.0	367.0	319.3	309.7	310.4	307.0	295.4	293.4
70°	1646.9	1368.6	809.8	476.2	347.9	307.0	300.9	301.5	298.8	289.9	287.9
72.5°	1545.3	1269.6	740.9	442.8	328.8	294.7	288.6	291.3	288.6	281.8	277.7
75°	1408.1	1148.9	669.3	404.6	309.7	279.7	275.6	277.0	276.3	269.5	266.1
77.5°	1246.4	1015.8	592.9	369.1	288.6	264.7	260.6	262.7	261.3	255.2	251.1
80°	1071.1	875.3	519.2	333.6	266.8	247.7	243.6	244.2	243.6	237.4	232.0
82.5°	899.2	737.5	444.1	298.8	245.6	229.2	224.5	223.8	222.4	215.6	211.5
85°	742.3	605.8	379.3	265.4	223.8	208.8	204.7	201.9	199.9	192.4	189.7
87.5°	591.5	495.3	320.7	236.7	201.9	189.7	184.2	179.4	176.0	169.2	166.5
90°	472.1	399.1	273.6	207.4	182.2	171.2	163.7	157.6	153.5	146.0	141.9
92.5°	374.5	317.9	229.9	182.2	163.1	153.5	146.7	139.2	133.7	124.2	122.1
95°	296.8	255.8	193.8	159.6	144.6	136.4	130.3	122.1	114.6	105.1	103.0
97.5°	234.7	208.8	163.1	139.9	127.6	120.8	114.6	106.4	98.2	88.7	87.3
100°	187.6	167.8	139.9	122.1	113.9	107.1	101.0	93.5	83.2	73.7	73.7
102.5°	150.8	137.8	117.3	107.1	100.3	94.8	89.4	81.9	71.0	60.7	60.7
105°	122.1	113.9	101.0	93.5	88.7	84.6	79.1	70.3	59.4	51.2	51.2
107.5°	100.3	94.1	86.6	81.2	78.5	74.4	69.6	60.7	50.5	43.0	43.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	83.2	79.1	73.7	71.6	69.6	66.2	60.7	52.5	42.3	36.8	36.8
112.5°	69.6	67.5	63.4	62.8	61.4	58.7	53.2	45.0	35.5	32.1	32.1
115°	59.4	58.0	55.3	55.3	53.9	51.8	46.4	38.9	30.7	27.3	28.0
117.5°	50.5	49.8	48.4	48.4	47.8	45.7	40.3	33.4	25.9	24.6	24.6
120°	44.3	43.7	43.0	42.3	42.3	39.6	34.8	28.0	22.5	21.8	21.8
122.5°	38.2	38.2	37.5	37.5	36.8	34.1	30.0	23.9	19.8	19.1	19.1
125°	33.4	33.4	32.7	32.7	32.1	30.0	25.9	20.5	17.1	17.1	17.1
127.5°	29.3	29.3	28.7	28.7	28.0	25.2	21.8	17.1	15.0	15.0	15.7
130°	25.9	25.9	25.2	24.6	23.9	21.8	17.7	14.3	13.0	13.6	13.6
132.5°	22.5	21.8	21.8	21.1	19.8	17.7	15.0	12.3	11.6	12.3	12.3
135°	19.1	19.1	18.4	17.7	16.4	15.0	12.3	10.2	10.2	10.9	10.9
137.5°	16.4	16.4	15.7	14.3	13.6	11.6	9.6	8.2	8.9	9.6	9.6
140°	13.0	13.6	13.0	11.6	10.2	8.9	7.5	6.8	7.5	8.2	8.9
142.5°	10.9	10.9	10.2	8.9	7.5	6.1	5.5	5.5	6.8	7.5	7.5
145°	8.2	8.2	7.5	6.8	4.8	4.1	3.4	4.8	5.5	6.1	6.1
147.5°	5.5	5.5	5.5	4.1	2.7	2.0	2.0	3.4	4.8	4.8	4.8
150°	3.4	3.4	3.4	2.7	1.4	0.7	1.4	2.7	3.4	4.1	4.1
152.5°	2.0	2.0	2.0	1.4	0.7	0.0	0.7	2.0	2.7	2.7	2.7
155°	1.4	1.4	1.4	0.7	0.7	0.0	0.7	1.4	2.0	2.0	2.0
157.5°	0.7	0.7	0.7	0.7	0.0	0.0	0.0	1.4	1.4	1.4	1.4
160°	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.7	1.4	0.7	0.7
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)