

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: P266152

Luminaire Tested: **LXF.LXT-AF24-70-D-U-T2U-A-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P266152
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-22)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-70-D-U-T2U-A-7027
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6059.7 lumens
Efficiency: N/A
Efficacy: 81.9 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 - G2

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

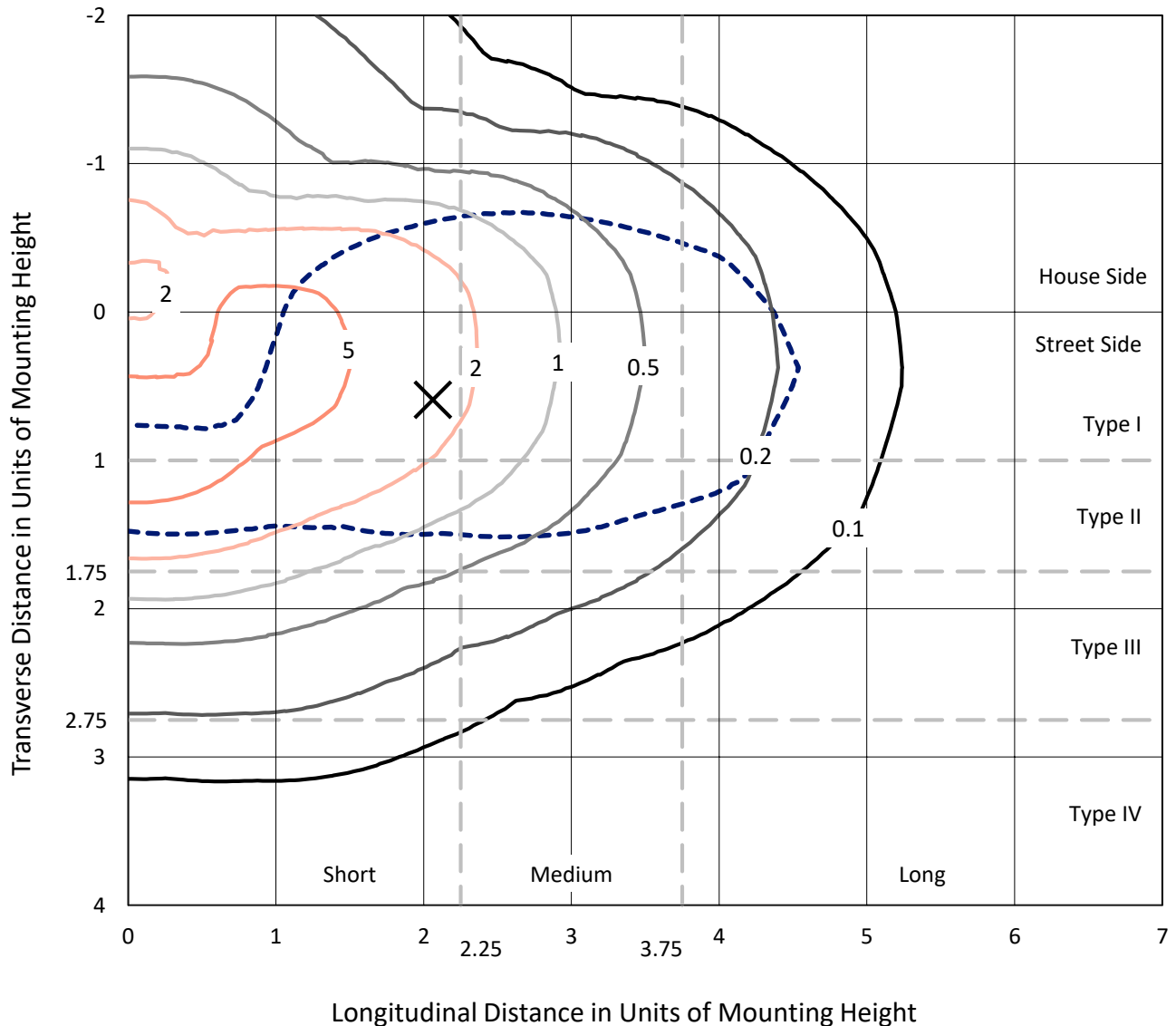


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

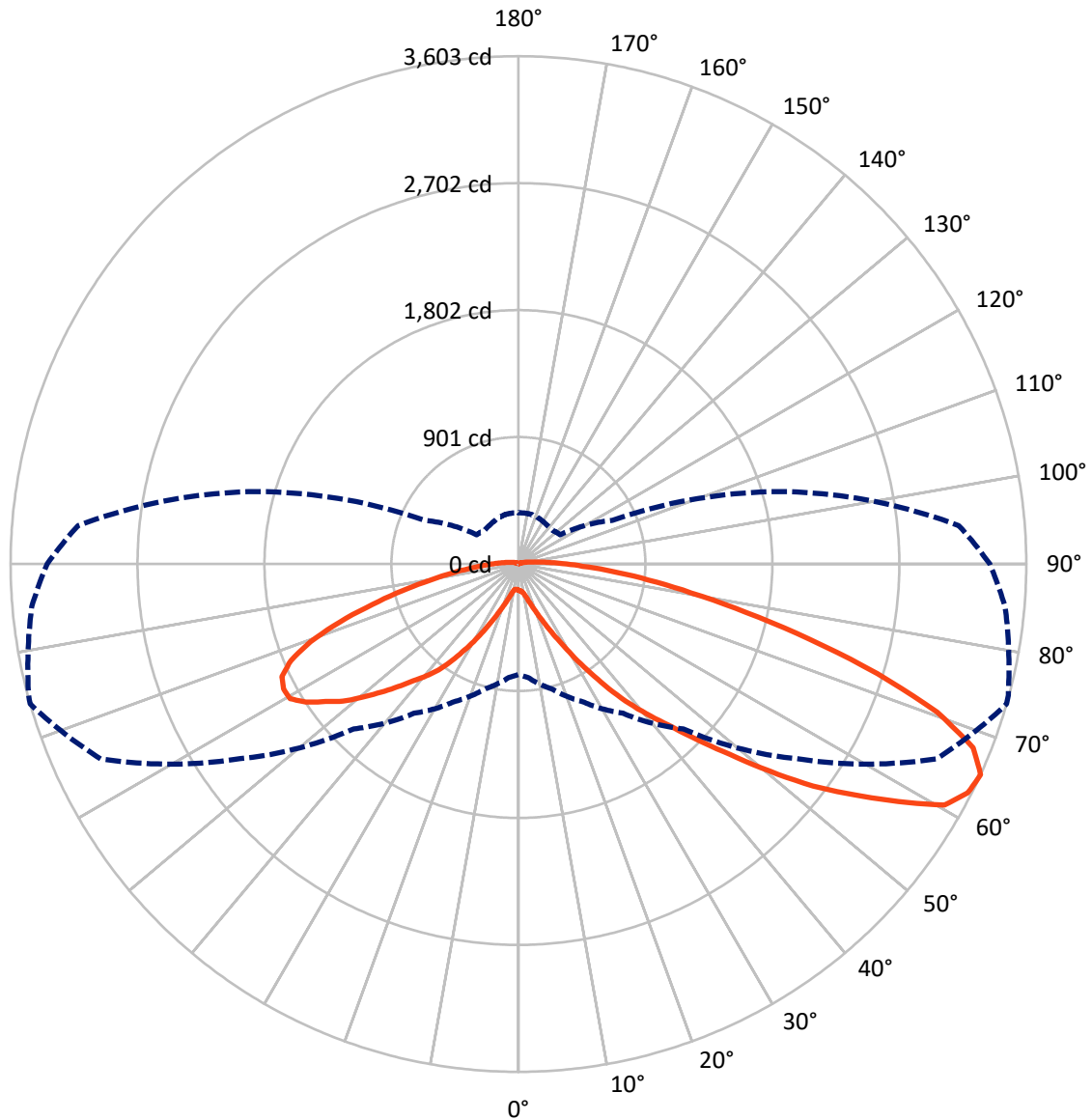


Based on 10 foot mounting height. Maximum calculated value = 9.1 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical



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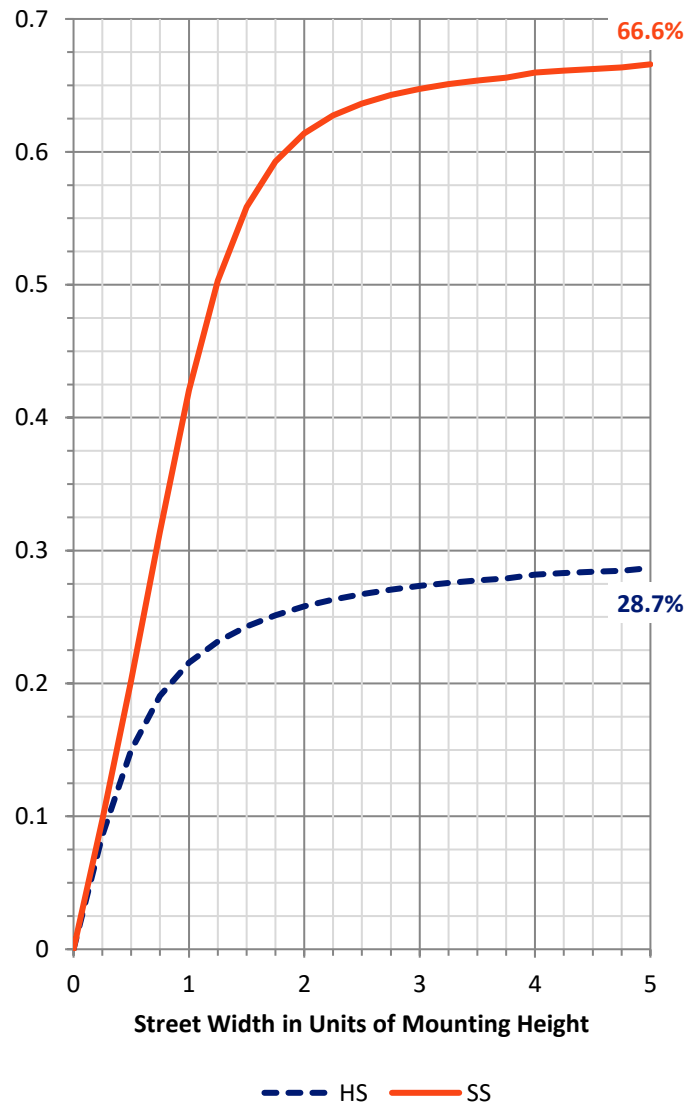
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1791.9	87.6	1879.5
	% Fixture	29.6	1.4	31.0
Street Side	Lumens	4091.0	89.2	4180.2
	% Fixture	67.5	1.5	69.0
Total	Lumens	5882.8	176.9	6059.7
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.5	0.3
10°-20°	76.0	1.3
20°-30°	224.2	3.7
30°-40°	546.8	9.0
40°-50°	998.2	16.5
50°-60°	1420.4	23.4
60°-70°	1430.0	23.6
70°-80°	846.7	14.0
80°-90°	322.2	5.3
90°-100°	101.6	1.7
100°-110°	38.4	0.6
110°-120°	18.4	0.3
120°-130°	10.5	0.2
130°-140°	5.9	0.1
140°-150°	2.0	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5882.8	97.1
0°-180°	6059.7	100.0

Coefficient of Utilization



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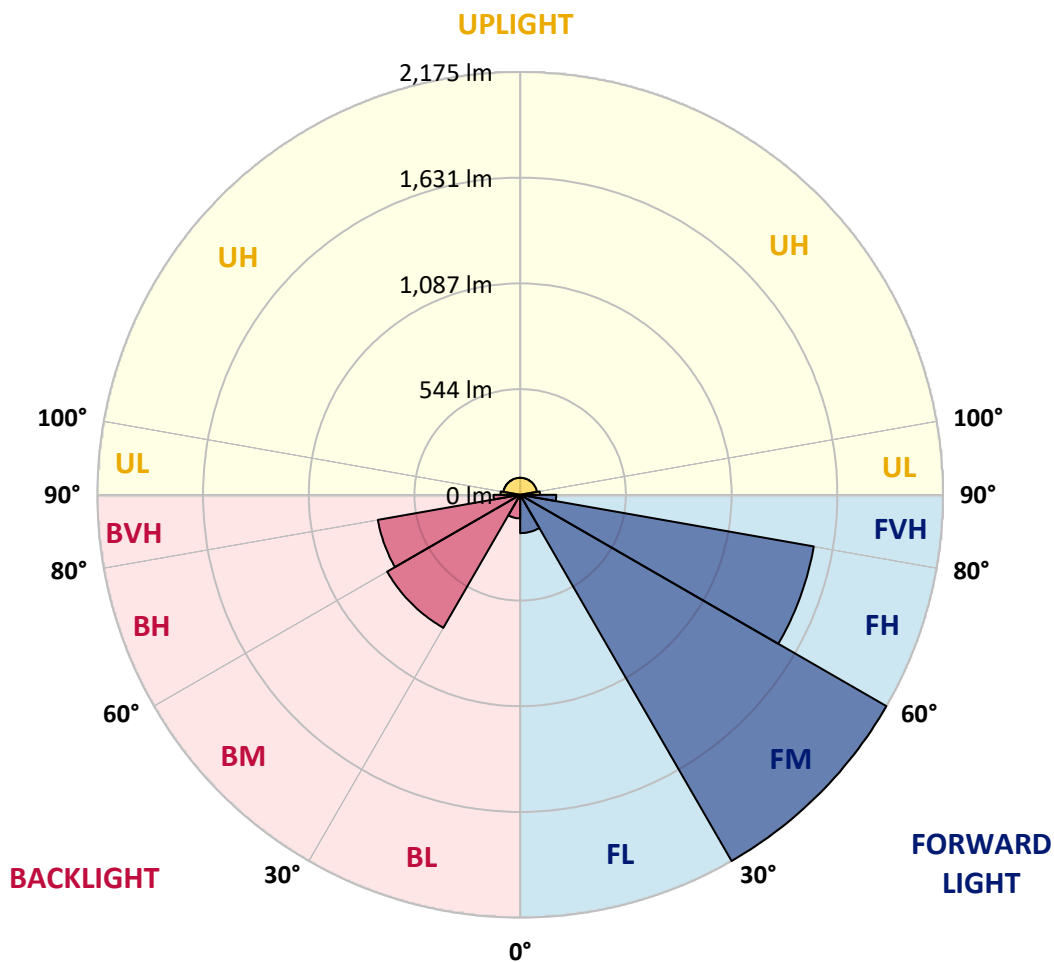
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	197.3	3.3			
FM (30°-60°)	2174.8	35.9			
FH (60°-80°)	1533.5	25.3			G1/1800
FVH (80°-90°)	185.4	3.1			G2/225
BL (0°-30°)	121.4	2.0	B1/500		
BM (30°-60°)	790.5	13.0	B1/1000		
BH (60°-80°)	743.2	12.3	B2/1000		G2/1000
BVH (80°-90°)	136.8	2.3			G2/225
UL (90°-100°)	101.6	1.7		U3/500	
UH (100°-180°)	87.6	1.4		U3/500	

BUG Rating: B2-U3-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	186.4	186.4	186.4	186.4	186.4	186.4	186.4	186.4	186.4	186.4	186.4
2.5°	199.5	198.7	199.5	198.7	198.7	197.3	195.1	192.1	189.4	188.6	186.4
5°	213.3	213.3	213.3	211.9	210.5	208.1	203.8	198.7	193.7	193.0	188.6
7.5°	232.2	233.0	231.6	228.6	225.7	219.8	214.8	207.5	201.0	200.2	193.7
10°	260.7	259.9	257.8	254.1	246.0	239.5	230.8	220.7	213.3	211.9	203.8
12.5°	299.9	299.2	295.6	285.4	274.4	262.0	253.3	243.9	236.7	235.9	228.6
15°	350.9	349.4	342.2	329.0	311.6	295.6	288.3	278.8	271.6	270.7	263.6
17.5°	413.5	412.1	401.9	382.9	359.0	340.6	332.7	321.9	313.8	314.4	303.5
20°	492.1	488.5	474.7	449.2	420.0	398.2	385.8	375.0	368.3	367.6	359.6
22.5°	593.3	588.2	563.4	533.0	496.6	466.7	450.7	439.0	434.6	435.4	428.1
25°	723.0	713.4	682.2	640.0	594.8	549.0	530.0	517.0	519.1	520.6	513.2
27.5°	876.6	872.2	824.1	773.3	706.2	647.1	629.7	616.6	621.0	624.6	618.8
30°	1067.2	1052.8	996.7	920.3	833.5	761.6	738.9	734.5	746.2	751.3	747.7
32.5°	1286.5	1274.1	1197.6	1100.9	974.8	889.6	863.5	875.0	894.1	899.8	895.5
35°	1546.3	1535.5	1432.7	1300.2	1140.0	1049.1	1014.1	1033.8	1057.8	1063.0	1056.3
37.5°	1814.9	1809.1	1697.1	1523.0	1327.2	1209.3	1179.5	1207.9	1233.4	1237.7	1215.9
40°	2045.0	2050.1	1938.1	1745.0	1519.5	1379.5	1362.1	1387.6	1394.9	1397.1	1355.6
42.5°	2232.2	2235.1	2137.4	1942.3	1700.0	1557.2	1547.8	1560.8	1563.1	1563.1	1515.0
45°	2281.7	2297.7	2241.6	2093.1	1871.8	1729.7	1729.7	1759.7	1774.2	1778.6	1716.8
47.5°	2304.2	2315.9	2283.9	2176.9	2010.0	1896.5	1934.4	2003.5	2018.1	2026.0	1946.7
50°	2283.9	2299.8	2294.0	2224.8	2104.6	2049.5	2160.1	2280.9	2307.8	2315.9	2219.1
52.5°	2123.7	2155.8	2203.7	2216.1	2162.2	2176.9	2388.7	2592.5	2616.6	2621.0	2477.4
55°	1892.2	1930.0	2011.6	2098.3	2149.9	2261.3	2610.7	2893.9	2888.1	2891.0	2726.4
57.5°	1600.9	1638.1	1748.0	1884.9	2034.8	2280.2	2744.0	3138.6	3178.7	3186.6	3030.8
60°	1333.1	1348.4	1466.3	1621.4	1820.1	2184.0	2744.0	3342.5	3472.7	3457.3	3246.2
62.5°	1024.3	1055.7	1178.7	1347.5	1563.8	1949.0	2644.3	3407.2	3577.5	3556.4	3358.5
65°	784.1	809.6	918.1	1077.4	1293.0	1654.0	2407.5	3271.1	3603.0	3597.9	3466.2
67.5°	611.6	615.2	708.4	844.4	1022.9	1334.5	2020.3	3006.7	3479.9	3479.2	3400.7
70°	462.3	466.0	541.7	667.6	789.9	1020.7	1613.4	2576.5	3153.1	3143.6	3180.0
72.5°	353.2	357.4	417.2	517.7	607.2	762.2	1229.6	2072.0	2662.3	2676.2	2730.0
75°	273.1	277.3	324.0	401.9	465.2	559.1	888.2	1560.1	2134.6	2157.2	2269.9
77.5°	210.5	214.8	252.0	310.9	357.4	409.8	618.8	1144.5	1651.2	1680.3	1806.2
80°	161.7	165.9	198.7	240.9	278.8	310.9	436.0	819.8	1242.7	1275.6	1421.8
82.5°	125.3	129.5	157.3	191.5	223.5	245.3	317.5	583.9	926.8	953.7	1105.9
85°	96.8	100.5	123.7	150.6	181.3	201.0	243.3	413.5	665.5	688.0	808.1
87.5°	75.0	78.0	96.8	118.7	147.1	166.7	193.7	300.7	456.5	473.9	554.1
90°	56.9	59.6	75.0	91.7	116.5	137.6	155.0	216.2	313.8	324.0	364.7
92.5°	41.5	43.7	56.1	68.5	88.8	109.2	123.7	160.2	213.3	218.4	235.9
95°	31.4	32.8	41.5	50.9	67.0	84.4	96.1	117.9	143.4	146.3	152.2
97.5°	24.8	25.5	32.0	39.3	51.7	65.5	74.3	86.6	101.1	102.6	105.6
100°	21.1	21.9	26.9	32.8	41.5	52.5	59.0	67.0	75.0	75.6	78.0
102.5°	18.1	19.0	22.5	26.9	34.9	43.7	48.1	53.1	57.5	56.9	59.0
105°	16.0	16.0	19.7	23.3	29.9	36.4	39.3	42.2	43.7	43.7	45.2
107.5°	13.8	14.6	16.8	20.4	26.2	31.4	32.8	33.4	33.4	33.4	34.9
110°	12.3	12.3	14.6	17.4	22.5	26.9	27.7	26.9	26.2	26.2	27.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
112.5°	10.9	10.9	12.3	16.0	20.4	24.1	24.1	22.5	20.4	20.4	21.9
115°	9.4	10.2	10.9	14.6	19.0	21.9	21.1	19.0	16.8	16.8	18.1
117.5°	8.8	8.8	10.2	13.1	17.4	19.7	19.0	16.0	13.8	13.8	15.4
120°	8.8	8.8	9.4	12.3	16.0	18.1	16.8	13.8	11.7	11.7	13.8
122.5°	8.8	8.8	9.4	11.7	14.6	16.0	15.4	12.3	10.2	10.2	11.7
125°	9.4	9.4	9.4	11.7	13.8	15.4	13.8	11.7	9.4	9.4	10.2
127.5°	10.2	10.2	10.2	11.7	13.1	13.8	12.3	10.2	8.8	8.8	9.4
130°	10.9	10.9	10.2	10.9	12.3	12.3	11.7	9.4	8.1	8.1	9.4
132.5°	10.9	10.9	10.2	10.2	10.9	10.9	10.2	8.1	7.2	7.2	8.8
135°	10.2	10.2	9.4	9.4	9.4	9.4	8.1	6.6	6.6	6.6	7.2
137.5°	9.4	9.4	8.8	8.8	8.8	8.1	6.6	5.1	5.1	5.1	6.6
140°	8.1	8.1	8.1	7.2	7.2	6.6	5.1	4.4	4.4	4.4	5.1
142.5°	7.2	6.6	6.6	5.7	5.7	5.1	3.7	3.0	3.0	3.0	3.7
145°	5.7	5.7	5.1	4.4	4.4	3.7	2.2	1.4	2.2	2.2	3.0
147.5°	4.4	4.4	3.7	3.7	3.0	2.2	0.7	1.4	1.4	1.4	2.2
150°	3.0	3.0	3.0	2.2	1.4	0.7	0.7	0.7	0.7	1.4	1.4
152.5°	1.4	1.4	1.4	0.7	0.0	0.0	0.0	0.7	0.7	0.7	1.4
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	186.4	186.4	186.4	186.4	186.4	186.4	186.4	186.4	186.4	186.4	186.4
2.5°	185.0	184.2	182.7	179.8	179.1	177.7	175.4	174.7	173.3	174.0	173.3
5°	186.4	185.0	179.8	176.8	173.3	171.0	168.9	167.4	165.9	165.3	164.5
7.5°	190.0	187.8	181.9	176.2	171.0	167.4	164.5	162.4	160.8	160.2	159.4
10°	199.5	196.5	187.8	179.8	171.8	166.7	163.1	160.8	159.4	159.4	159.4
12.5°	222.8	219.1	206.0	192.1	179.1	171.0	166.7	169.6	173.3	176.8	179.1
15°	256.2	252.0	235.9	216.2	196.5	185.0	185.7	191.5	195.8	200.2	201.0
17.5°	298.4	292.7	272.2	246.0	219.8	210.5	207.5	213.3	220.7	224.9	227.1
20°	350.9	343.6	317.5	281.0	254.8	240.9	234.4	236.7	244.6	252.0	252.7
22.5°	417.9	404.7	374.2	324.0	291.2	270.1	260.7	260.7	271.6	281.0	282.4
25°	503.1	490.7	442.0	378.5	330.5	298.4	287.5	289.8	304.3	316.7	318.2
27.5°	608.0	590.5	526.3	443.4	371.3	323.2	311.6	317.5	332.0	345.0	346.6
30°	733.1	705.4	624.0	513.2	411.3	348.1	329.8	337.0	350.2	364.1	364.1
32.5°	875.0	842.3	733.8	587.5	449.2	365.5	340.0	349.4	362.6	376.4	375.8
35°	1028.6	990.8	848.2	662.5	483.4	377.8	345.0	356.0	371.3	388.1	388.1
37.5°	1184.5	1145.9	963.3	729.6	507.5	379.4	346.6	362.6	382.9	398.2	396.8
40°	1312.7	1260.2	1056.3	777.6	517.7	375.8	348.7	366.1	381.5	388.1	386.6
42.5°	1466.3	1399.3	1148.8	802.2	511.0	369.2	349.4	361.8	369.2	369.2	366.1
45°	1652.0	1575.4	1263.8	828.4	494.3	361.8	345.8	353.2	353.2	347.3	343.0
47.5°	1876.9	1773.4	1385.5	851.9	477.5	355.3	342.2	345.0	337.0	328.3	325.5
50°	2139.0	2013.7	1519.5	868.5	461.5	350.2	340.6	339.3	333.5	324.6	321.9
52.5°	2380.7	2240.2	1658.5	881.6	444.8	348.1	340.6	340.6	334.9	322.5	319.5
55°	2618.6	2468.7	1769.8	874.4	426.6	348.7	343.6	345.0	337.0	324.6	321.9
57.5°	2918.7	2757.1	1902.3	861.2	407.7	350.2	346.6	348.1	340.6	329.0	326.2
60°	3126.9	2947.8	1997.0	840.9	390.3	350.2	348.1	350.2	348.1	342.2	340.0
62.5°	3250.6	3051.2	2007.3	794.3	377.1	347.3	346.6	353.8	359.0	356.7	354.6
65°	3343.9	3135.7	1984.6	733.8	361.8	339.3	343.0	354.6	363.3	364.1	363.3
67.5°	3271.7	3057.0	1875.4	663.2	343.6	329.0	336.3	349.4	362.6	367.0	366.1
70°	3050.5	2839.4	1687.6	576.6	322.5	313.1	323.2	340.6	354.6	359.6	358.2
72.5°	2595.5	2406.9	1429.2	493.6	297.8	291.9	302.9	323.2	334.9	337.9	335.6
75°	2148.4	1982.4	1147.3	406.9	270.7	265.7	275.9	291.9	299.9	299.9	296.4
77.5°	1717.4	1563.1	903.4	337.9	243.3	237.3	246.9	256.2	257.8	252.7	249.0
80°	1349.1	1203.4	684.4	279.6	214.8	208.9	211.9	217.7	219.8	210.5	205.4
82.5°	1046.2	915.8	514.0	231.6	187.0	179.8	181.9	185.0	185.7	174.0	168.2
85°	754.2	655.9	377.1	195.1	160.8	154.4	153.6	154.4	155.0	144.8	139.7
87.5°	517.7	449.2	275.9	163.9	139.1	132.5	131.1	130.3	130.3	119.4	114.4
90°	340.6	301.4	205.4	138.2	117.9	111.4	108.4	107.7	106.3	94.6	90.3
92.5°	221.3	202.4	152.2	113.5	97.6	91.7	88.2	85.9	83.7	72.9	68.5
95°	144.8	136.9	115.1	91.0	78.6	73.5	70.6	67.7	64.8	55.3	52.5
97.5°	102.6	99.7	89.6	73.5	62.6	59.0	56.9	54.5	52.5	44.3	42.9
100°	77.2	76.4	72.0	60.5	50.9	48.8	46.6	45.2	43.7	37.9	36.4
102.5°	59.6	60.5	59.0	49.4	42.9	40.8	39.3	37.9	37.1	32.8	32.0
105°	46.6	48.1	47.3	41.5	36.4	34.9	33.4	32.0	31.4	28.3	28.3
107.5°	36.4	37.9	38.5	34.2	31.4	29.9	28.3	26.9	26.9	25.5	25.5
110°	29.1	30.6	32.0	29.1	26.9	26.2	24.8	23.3	22.5	22.5	22.5



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	24.1	24.8	26.2	24.8	23.3	22.5	21.1	19.7	19.7	19.7	20.4
115°	19.7	21.1	21.9	21.1	20.4	20.4	18.1	16.8	16.0	17.4	17.4
117.5°	16.8	18.1	19.0	18.1	18.1	18.1	16.0	14.6	13.8	14.6	15.4
120°	14.6	15.4	16.0	16.0	16.0	16.0	14.6	12.3	11.7	13.1	13.1
122.5°	12.3	13.1	13.8	14.6	14.6	13.8	12.3	10.9	10.2	11.7	11.7
125°	10.9	11.7	12.3	13.1	13.1	12.3	10.9	9.4	8.8	10.2	10.2
127.5°	10.2	10.9	11.7	11.7	11.7	10.9	9.4	8.1	8.1	8.8	9.4
130°	10.2	10.2	10.9	10.9	10.2	9.4	8.1	6.6	6.6	8.1	8.1
132.5°	9.4	9.4	9.4	9.4	8.8	8.1	6.6	5.7	5.7	7.2	7.2
135°	8.1	8.1	8.1	8.1	7.2	6.6	5.7	4.4	5.1	5.7	5.7
137.5°	6.6	6.6	6.6	6.6	5.7	5.1	4.4	3.7	3.7	4.4	5.1
140°	5.1	5.7	5.7	5.1	4.4	4.4	3.0	2.2	3.0	3.7	3.7
142.5°	4.4	4.4	4.4	3.7	3.7	3.0	2.2	1.4	2.2	3.0	3.0
145°	3.7	3.7	3.7	3.7	3.0	1.4	0.7	0.7	1.4	1.4	1.4
147.5°	3.0	3.0	3.0	3.0	2.2	1.4	0.0	0.0	0.7	0.7	0.7
150°	2.2	2.2	2.2	2.2	1.4	0.7	0.0	0.0	0.0	0.0	0.0
152.5°	1.4	1.4	2.2	1.4	0.7	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.7	1.4	1.4	1.4	0.7	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	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)