

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: P193019

Luminaire Tested: **GAN-AF-01-LED-U-SLL-7030-800**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P193019
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24296)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-AF-01-LED-U-SLL-7030-800
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4280.8 lumens
Efficiency: N/A
Efficacy: 97.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U0 - G2

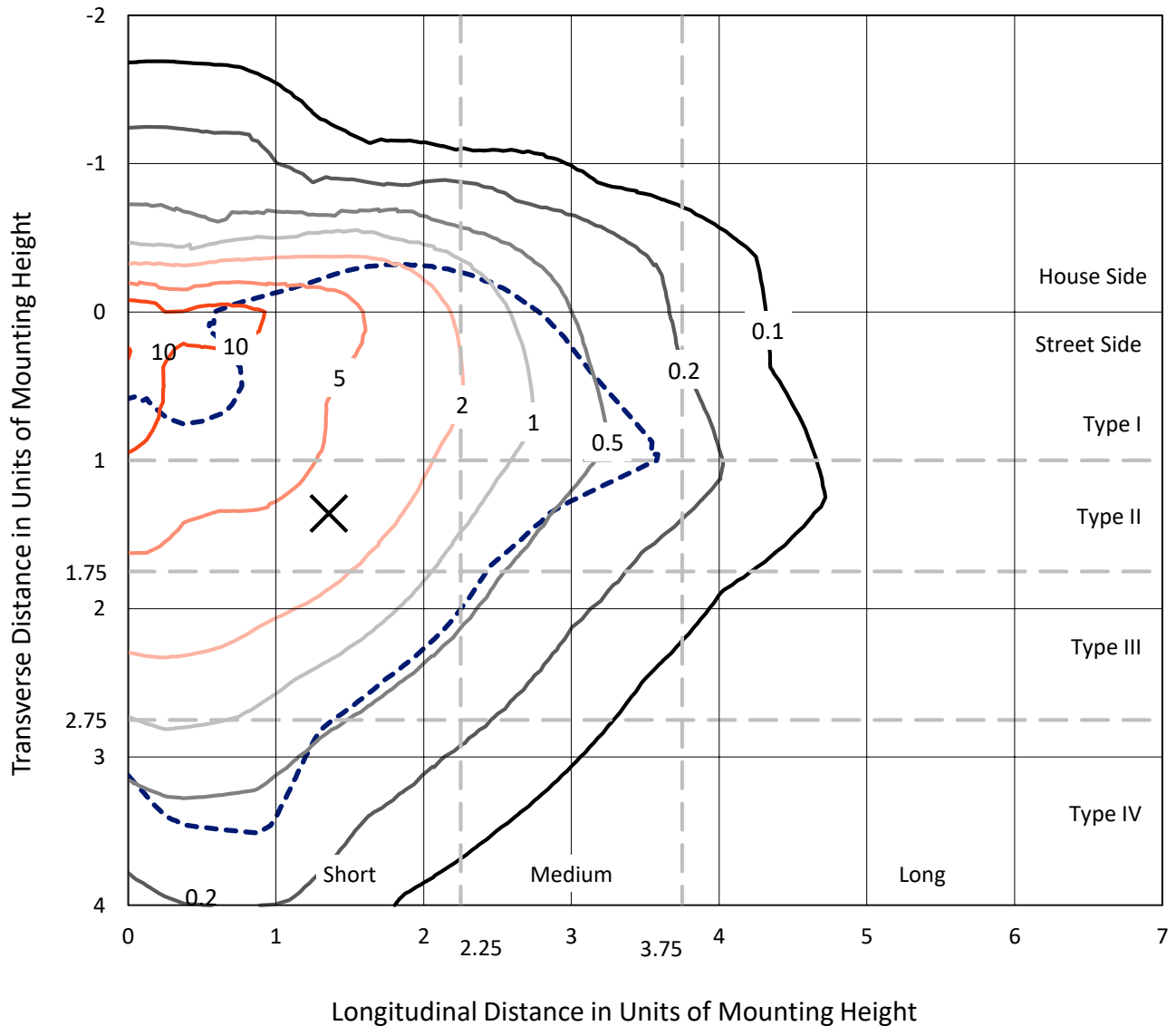
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

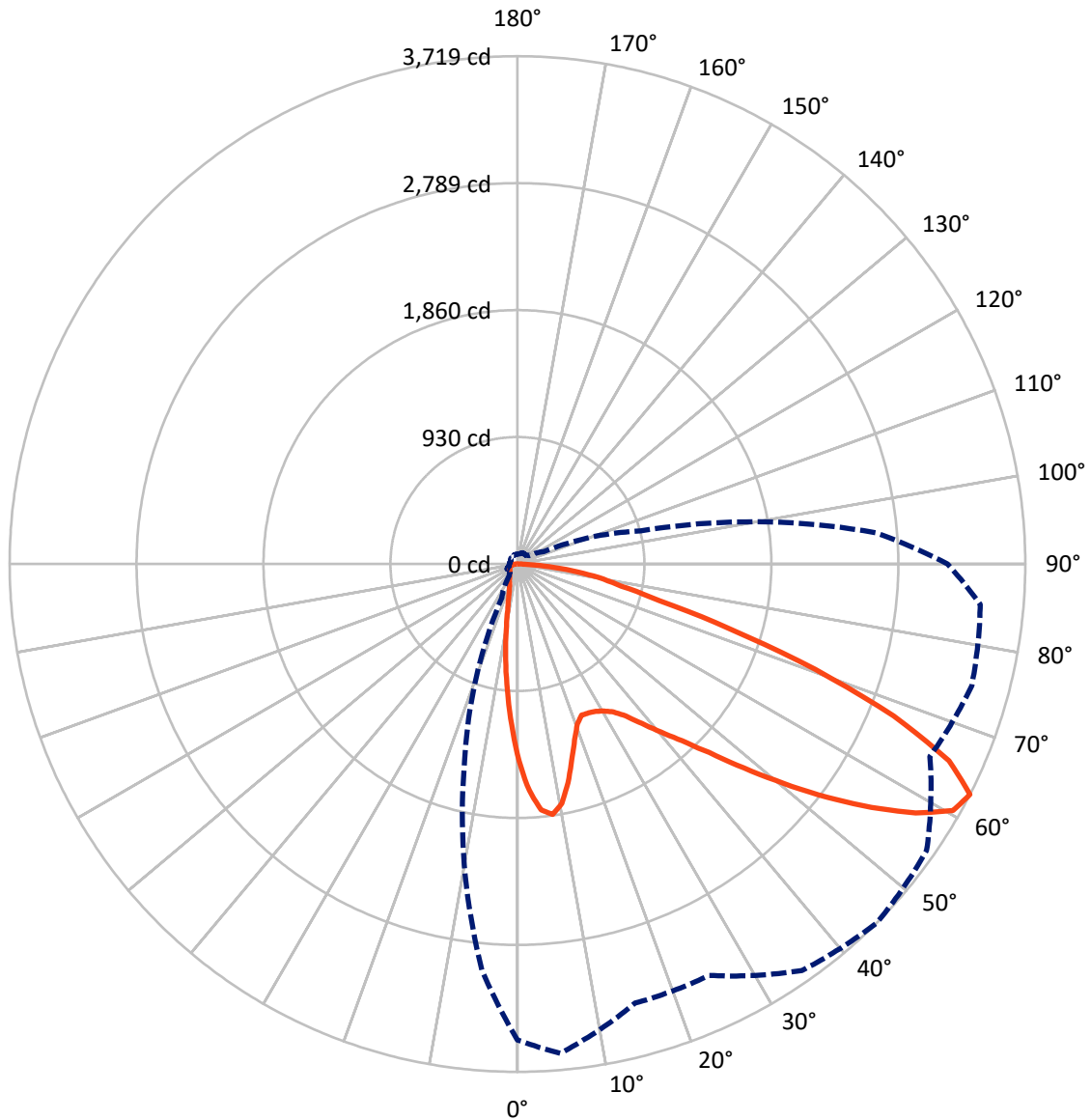
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 17 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	708.4	0.0	708.4
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	3572.4	0.0	3572.4
	% Fixture	83.5	0.0	83.5
Total	Lumens	4280.8	0.0	4280.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.3	2.5
10°-20°	193.1	4.5
20°-30°	281.5	6.6
30°-40°	433.5	10.1
40°-50°	638.0	14.9
50°-60°	935.9	21.9
60°-70°	1046.1	24.4
70°-80°	512.2	12.0
80°-90°	135.2	3.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4280.8	100.0
0°-180°	4280.8	100.0



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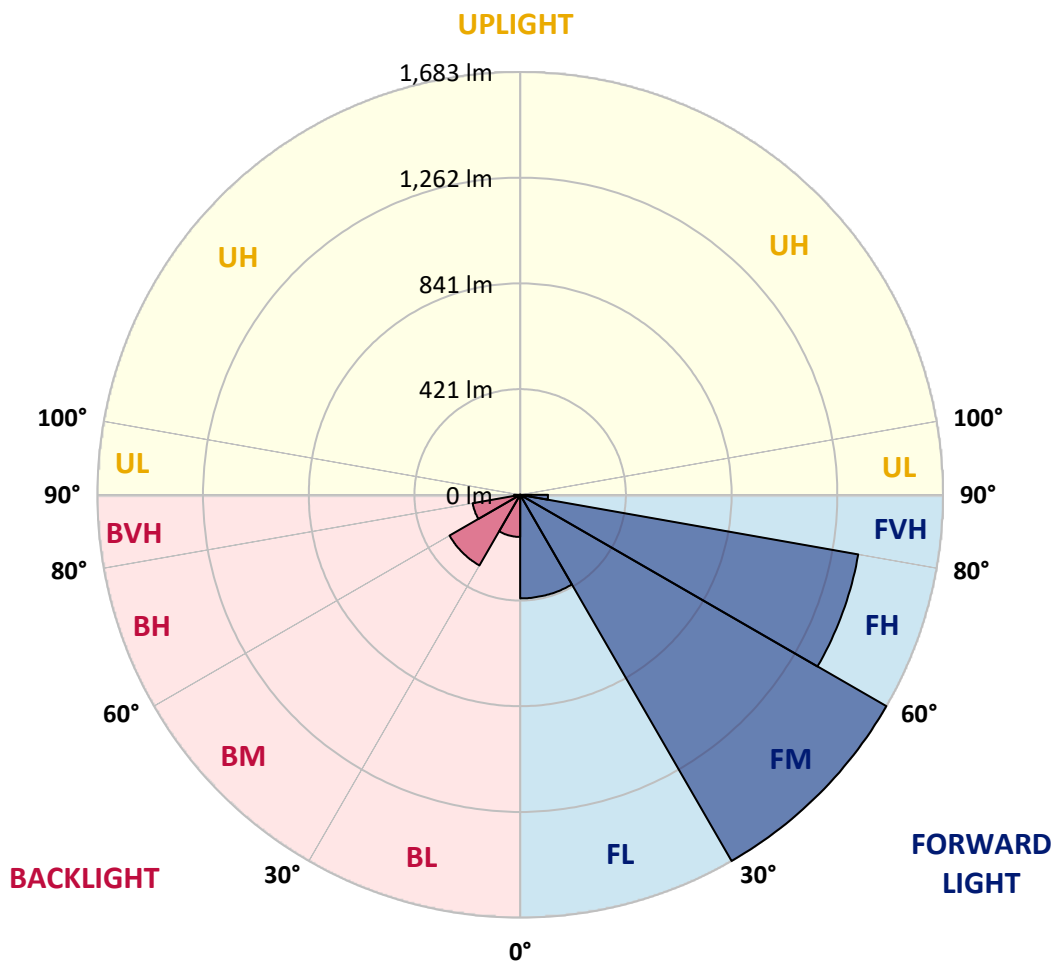
CATALOG NUMBER: GAN-AF-01-LED-U-SLL-7030-800

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	412.2	9.6			
FM (30°-60°)	1682.8	39.3			
FH (60°-80°)	1366.3	31.9			G1/1800
FVH (80°-90°)	111.1	2.6			G2/225
BL (0°-30°)	167.6	3.9	B1/500		
BM (30°-60°)	324.6	7.6	B1/1000		
BH (60°-80°)	192.0	4.5	B1/500		G1/500
BVH (80°-90°)	24.2	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1446.3	1446.3	1446.3	1446.3	1446.3	1446.3	1446.3	1446.3	1446.3	1446.3	1446.3
2.5°	1502.8	1526.8	1573.6	1608.7	1651.2	1661.2	1674.7	1661.4	1637.6	1606.1	1595.7
5°	1413.0	1464.4	1578.0	1678.1	1767.0	1808.5	1819.9	1785.9	1716.9	1626.4	1571.0
7.5°	1269.3	1342.2	1496.2	1643.5	1774.6	1852.0	1850.1	1770.8	1644.0	1496.5	1407.7
10°	1145.2	1228.6	1405.1	1569.8	1709.0	1783.9	1755.0	1653.6	1502.4	1332.4	1236.2
12.5°	1075.8	1157.5	1336.6	1502.1	1618.3	1644.2	1622.1	1522.7	1380.2	1208.4	1124.2
15°	1063.8	1153.6	1309.4	1444.0	1509.1	1486.5	1460.1	1415.7	1314.9	1168.4	1080.6
17.5°	1115.9	1214.8	1340.6	1403.4	1392.4	1353.0	1345.5	1350.6	1326.3	1212.9	1111.6
20°	1215.6	1334.3	1415.2	1384.5	1303.7	1249.6	1251.4	1327.0	1398.7	1325.6	1210.0
22.5°	1355.7	1491.0	1522.7	1394.4	1266.2	1202.0	1217.5	1339.9	1514.4	1490.3	1342.7
25°	1536.8	1660.2	1637.4	1431.2	1270.0	1207.9	1220.3	1384.7	1650.8	1655.1	1507.0
27.5°	1712.4	1826.9	1733.6	1479.9	1285.6	1221.7	1238.2	1455.0	1781.2	1833.8	1694.8
30°	1849.4	1929.0	1771.7	1524.3	1316.1	1248.9	1269.3	1521.8	1840.5	1954.5	1839.3
32.5°	1962.9	2019.9	1832.4	1579.5	1372.4	1291.5	1327.4	1603.1	1925.9	2069.4	1980.7
35°	2107.7	2124.0	1908.0	1640.8	1459.2	1365.5	1410.3	1682.6	2007.3	2185.4	2119.9
37.5°	2277.6	2256.8	1979.2	1724.8	1571.4	1481.5	1518.4	1769.9	2074.4	2317.0	2262.3
40°	2445.7	2395.3	2068.8	1855.2	1735.2	1618.3	1662.1	1863.0	2136.9	2448.7	2401.4
42.5°	2588.6	2513.9	2157.0	1998.6	1887.8	1769.1	1821.4	1957.0	2196.7	2561.2	2522.1
45°	2694.3	2601.5	2240.9	2136.2	2097.9	1969.6	1994.3	2064.5	2261.4	2655.1	2621.4
47.5°	2788.6	2689.5	2336.1	2275.1	2281.7	2230.4	2190.6	2189.7	2337.7	2731.8	2715.3
50°	2914.9	2811.6	2438.1	2418.1	2557.4	2523.4	2435.6	2335.8	2434.2	2818.9	2817.0
52.5°	3089.1	3005.0	2562.9	2572.3	2814.8	2837.3	2728.5	2511.4	2585.2	2978.7	2967.4
55°	3294.9	3246.0	2732.8	2749.5	3130.8	3146.6	3038.7	2730.9	2807.4	3210.0	3178.7
57.5°	3455.7	3445.3	2919.2	2962.2	3366.5	3438.5	3339.2	2985.1	3057.7	3404.8	3326.3
60°	3519.7	3569.8	3117.5	3176.8	3584.6	3664.4	3577.3	3208.4	3279.6	3485.6	3316.1
62.5°	3485.1	3597.2	3328.8	3323.8	3633.3	3719.1	3658.0	3332.6	3444.2	3402.3	3148.3
65°	3325.3	3499.0	3451.4	3286.0	3466.7	3473.8	3454.0	3277.1	3482.9	3138.9	2824.1
67.5°	2977.4	3227.2	3290.1	2961.3	3017.3	2971.5	2938.2	2973.1	3280.6	2744.3	2373.4
70°	2425.0	2801.0	2831.1	2368.5	2343.1	2312.3	2246.2	2437.5	2881.2	2249.2	1883.3
72.5°	1783.0	2178.4	2270.9	1737.1	1619.4	1625.8	1573.6	1836.8	2342.6	1670.8	1406.0
75°	1219.9	1577.3	1776.7	1212.1	1071.0	1073.6	1066.9	1301.6	1865.8	1162.3	1052.1
77.5°	891.1	1126.9	1339.9	815.0	791.1	776.5	773.0	910.6	1430.5	843.8	817.0
80°	715.1	832.5	900.1	564.8	607.4	606.2	586.6	626.2	934.1	617.2	611.1
82.5°	496.0	639.8	729.3	442.6	409.9	403.0	407.7	466.4	660.3	422.0	401.2
85°	261.6	425.0	722.2	392.2	243.3	194.2	241.5	382.0	572.1	223.6	195.8
87.5°	33.5	122.8	478.1	156.5	96.0	51.8	114.6	215.1	367.3	45.7	39.8
90°	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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°	185°
0°	1446.3	1446.3	1446.3	1446.3	1446.3	1446.3	1446.3	1446.3	1446.3	1446.3	1446.3
2.5°	1569.1	1537.9	1496.9	1458.9	1419.8	1380.6	1329.5	1297.6	1275.4	1271.2	1261.8
5°	1530.9	1427.0	1348.4	1280.4	1218.7	1131.7	1083.5	1043.4	1022.0	1019.8	1014.7
7.5°	1355.3	1211.6	1105.4	1009.3	921.9	851.6	774.0	737.7	722.9	726.5	730.0
10°	1172.4	1011.8	890.0	791.6	714.7	655.3	593.1	550.8	521.7	515.8	514.6
12.5°	1038.7	862.7	744.3	674.9	615.3	559.6	493.5	443.8	405.9	393.0	384.3
15°	982.2	789.7	665.7	590.9	525.2	454.4	393.0	341.0	306.2	294.9	288.6
17.5°	994.3	769.5	611.7	515.8	431.8	358.0	280.5	236.0	215.1	209.7	209.7
20°	1057.3	765.7	566.8	446.7	341.9	256.2	192.8	167.2	160.5	159.7	161.7
22.5°	1145.8	778.9	533.5	386.7	265.7	187.1	150.1	140.7	137.6	138.3	140.5
25°	1277.6	823.4	509.2	333.2	208.4	153.2	133.9	128.3	126.8	128.7	131.3
27.5°	1433.8	867.8	494.2	293.0	176.0	140.0	127.3	121.4	122.4	124.8	127.1
30°	1571.0	904.3	470.4	264.3	165.8	140.7	127.3	119.3	118.3	118.9	119.5
32.5°	1694.1	929.0	442.6	237.0	143.0	125.0	118.9	117.7	112.5	110.6	110.8
35°	1800.1	929.0	425.9	220.9	128.3	110.8	100.9	95.0	92.5	92.8	95.3
37.5°	1902.5	910.4	417.7	212.1	120.3	105.4	96.7	91.6	88.1	87.3	87.7
40°	1992.9	883.4	408.3	208.2	114.1	102.1	93.9	89.7	85.9	84.6	85.0
42.5°	2065.4	861.5	397.9	203.3	110.4	99.8	92.0	88.3	84.0	82.8	82.6
45°	2143.7	854.2	384.3	193.4	112.2	100.0	91.6	87.5	83.2	82.0	81.4
47.5°	2247.0	877.1	370.2	181.7	116.3	101.2	92.3	87.5	83.0	82.0	81.4
50°	2377.2	930.7	352.3	164.4	112.2	104.5	92.0	86.9	83.0	82.0	81.0
52.5°	2544.3	1003.2	328.8	144.8	110.0	112.5	91.6	85.4	82.0	80.2	78.5
55°	2747.4	1062.4	300.8	128.5	104.5	110.4	90.8	83.8	80.0	77.7	76.3
57.5°	2896.1	1083.9	264.7	117.9	96.9	106.8	89.9	81.6	77.7	75.8	73.9
60°	2866.6	1042.5	234.4	111.3	92.5	96.4	89.1	79.8	75.5	74.1	72.4
62.5°	2631.1	934.1	214.8	108.2	89.7	88.1	89.9	77.9	73.6	72.2	71.8
65°	2277.9	774.4	207.0	107.5	87.3	83.0	83.6	75.8	71.6	70.4	69.9
67.5°	1879.0	625.0	200.3	110.0	84.2	79.5	77.1	72.9	69.4	68.3	67.3
70°	1481.8	519.8	197.2	108.5	80.6	76.1	73.4	69.9	66.8	65.7	64.9
72.5°	1193.3	439.1	195.6	107.1	75.5	71.3	69.0	65.9	62.6	62.2	61.4
75°	1009.8	345.3	179.0	102.6	69.9	65.7	64.0	61.1	57.9	57.9	57.5
77.5°	778.9	249.6	148.9	90.8	64.0	59.3	57.9	55.7	52.0	52.7	52.5
80°	575.4	162.8	116.5	75.3	56.7	52.2	51.6	49.3	45.5	46.3	46.3
82.5°	394.2	106.8	83.8	61.6	48.5	44.2	44.2	42.2	37.7	38.1	39.6
85°	197.9	73.4	62.6	47.7	37.7	35.5	35.5	33.9	29.4	29.6	31.5
87.5°	60.2	44.2	41.4	34.1	27.1	26.6	25.4	24.2	21.5	21.2	22.4
90°	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):

	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°	285°
0°	1446.3	1446.3	1446.3	1446.3	1446.3	1446.3	1446.3	1446.3	1446.3	1446.3	1446.3
2.5°	1247.4	1234.0	1217.8	1181.9	1170.0	1169.3	1180.1	1168.8	1190.5	1181.3	1191.5
5°	1006.0	992.8	974.7	929.0	901.3	882.5	873.5	847.2	866.2	852.3	863.9
7.5°	739.8	742.9	731.0	704.0	643.6	613.3	595.4	579.4	593.3	591.8	613.9
10°	520.1	528.3	519.8	492.8	443.8	427.1	430.4	436.7	454.8	464.3	498.4
12.5°	374.4	373.8	368.5	344.2	312.1	313.9	327.3	338.3	355.1	365.0	399.8
15°	279.6	275.4	272.9	253.2	234.8	238.8	245.4	246.6	257.2	263.1	291.2
17.5°	211.3	213.4	216.0	201.9	188.0	185.4	180.3	173.9	177.0	178.1	192.3
20°	167.8	176.2	182.6	172.7	158.7	151.1	144.4	140.3	140.3	140.0	144.0
22.5°	146.6	152.8	159.5	152.8	140.0	133.4	129.7	126.4	125.8	125.8	129.7
25°	135.1	139.6	146.1	141.4	131.9	127.1	123.6	119.3	117.7	117.2	119.7
27.5°	129.5	131.3	134.6	130.3	122.4	119.9	119.1	115.3	113.2	112.0	114.6
30°	119.7	119.3	119.5	115.3	108.9	108.7	110.4	111.1	110.4	110.2	114.1
32.5°	110.8	110.0	109.7	105.9	100.0	98.6	100.0	101.4	103.0	105.4	110.2
35°	99.5	101.9	103.4	100.0	93.0	88.7	87.1	84.4	83.0	83.0	88.5
37.5°	90.5	96.0	98.2	95.0	87.3	81.4	78.5	78.1	78.3	79.3	84.4
40°	87.5	91.6	93.4	90.3	82.6	77.1	75.5	75.1	75.5	76.9	82.2
42.5°	85.7	88.5	88.3	84.4	78.1	74.4	73.4	72.9	73.4	74.9	80.6
45°	84.0	85.9	84.0	79.5	73.6	71.8	72.0	71.8	72.2	73.6	79.1
47.5°	82.6	83.2	81.0	76.5	70.4	69.9	70.8	71.6	72.0	73.2	78.8
50°	80.6	80.6	78.3	73.6	67.5	67.7	69.0	70.6	70.8	72.2	76.7
52.5°	77.9	77.7	76.3	71.8	65.2	65.9	65.9	67.7	68.3	69.9	74.7
55°	75.8	75.3	74.7	70.4	63.1	64.3	63.6	64.3	65.4	67.0	72.2
57.5°	73.9	72.9	72.9	69.2	61.4	61.8	60.2	61.1	62.6	64.0	69.4
60°	72.0	71.0	71.6	67.5	58.8	58.4	57.7	59.5	60.0	61.6	67.0
62.5°	69.9	69.2	69.4	65.7	57.0	55.7	55.7	57.5	57.7	60.0	65.2
65°	68.3	67.3	67.0	63.8	54.8	53.4	54.1	54.8	55.2	57.7	62.6
67.5°	66.6	64.7	64.7	62.2	52.5	51.1	52.5	52.2	53.0	55.0	59.1
70°	64.5	61.8	62.2	60.9	50.1	48.5	49.6	49.3	49.9	51.4	55.2
72.5°	61.1	59.1	59.5	59.1	47.7	45.5	45.9	45.9	45.9	47.1	51.4
75°	57.0	55.2	56.7	57.9	44.9	41.6	42.2	42.2	41.4	42.2	47.3
77.5°	51.8	50.8	55.5	53.9	41.6	37.7	37.7	37.1	35.7	36.7	42.4
80°	46.1	45.5	51.4	45.3	37.9	32.7	32.2	31.0	29.6	30.4	36.0
82.5°	40.2	39.6	43.0	34.6	32.7	27.1	25.9	23.8	22.4	23.1	28.2
85°	33.0	33.0	33.3	26.1	24.9	20.8	19.3	16.5	14.9	15.3	20.2
87.5°	23.5	24.2	22.4	17.9	14.9	11.6	10.6	9.0	7.5	8.7	10.6
90°	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):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	1446.3	1446.3	1446.3	1446.3	1446.3	1446.3	1446.3	1446.3
2.5°	1243.2	1269.0	1298.5	1336.1	1368.4	1421.4	1472.2	1502.8
5°	929.5	972.6	1026.3	1095.3	1159.5	1255.9	1351.6	1413.0
7.5°	665.3	711.4	769.3	855.4	946.1	1069.3	1195.9	1269.3
10°	550.4	597.7	646.4	704.5	778.9	912.9	1062.4	1145.2
12.5°	455.4	506.0	558.5	619.6	688.6	808.1	980.6	1075.8
15°	348.5	405.1	466.9	544.3	630.7	768.7	960.4	1063.8
17.5°	238.8	301.9	377.9	473.4	579.1	756.1	996.6	1115.9
20°	164.4	210.4	291.6	403.6	530.7	754.4	1066.3	1215.6
22.5°	137.6	158.1	217.4	339.4	494.2	774.6	1174.2	1355.7
25°	127.3	139.6	173.6	283.5	467.6	821.3	1323.0	1536.8
27.5°	121.2	132.2	157.7	247.0	446.7	875.3	1467.7	1712.4
30°	123.6	134.8	153.2	228.5	418.1	920.6	1596.2	1849.4
32.5°	111.3	116.3	131.3	212.1	397.7	958.4	1708.7	1962.9
35°	94.8	103.6	117.2	204.2	398.1	983.9	1831.3	2107.7
37.5°	90.3	99.1	108.9	201.5	403.6	1010.9	1972.0	2277.6
40°	87.5	95.5	104.1	199.8	408.7	1035.7	2109.9	2445.7
42.5°	85.7	93.0	103.6	194.2	411.4	1057.7	2223.3	2588.6
45°	85.4	93.0	105.4	188.5	415.3	1081.5	2318.4	2694.3
47.5°	85.7	96.0	101.9	181.7	415.3	1121.3	2429.9	2788.6
50°	84.6	101.2	98.2	172.0	405.7	1196.6	2582.9	2914.9
52.5°	84.2	100.5	90.8	157.3	389.0	1316.1	2778.9	3089.1
55°	83.0	96.9	85.7	135.1	369.4	1446.5	2988.8	3294.9
57.5°	82.0	85.9	82.8	115.9	339.4	1538.3	3133.3	3455.7
60°	91.8	75.1	80.6	106.4	299.1	1563.5	3127.6	3519.7
62.5°	85.0	70.4	77.5	104.3	270.9	1492.9	2983.1	3485.1
65°	66.6	67.3	74.4	110.4	263.4	1305.7	2727.1	3325.3
67.5°	60.9	64.3	71.3	118.1	264.1	1045.5	2344.4	2977.4
70°	57.5	60.9	67.7	122.2	265.9	779.3	1853.6	2425.0
72.5°	53.4	56.5	63.8	122.8	253.7	566.2	1428.7	1783.0
75°	48.7	51.6	58.1	107.1	210.1	392.8	1092.8	1219.9
77.5°	43.2	45.5	51.1	82.6	156.0	251.3	820.3	891.1
80°	36.9	38.1	42.8	60.5	106.8	157.3	649.0	715.1
82.5°	29.6	30.1	33.3	45.5	69.4	100.9	434.7	496.0
85°	21.0	21.0	22.8	33.0	47.3	64.0	236.0	261.6
87.5°	9.9	10.2	10.2	18.1	24.7	32.4	54.4	33.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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