

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: P526054

Luminaire Tested: **GLAN-SA1A-727-U-SLR-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526054  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-26)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA1A-727-U-SLR-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 2700K, 615mA LIGHTSQUARE WITH 16 LEDS AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2882 lumens  
Efficiency: N/A  
Efficacy: 87.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G1

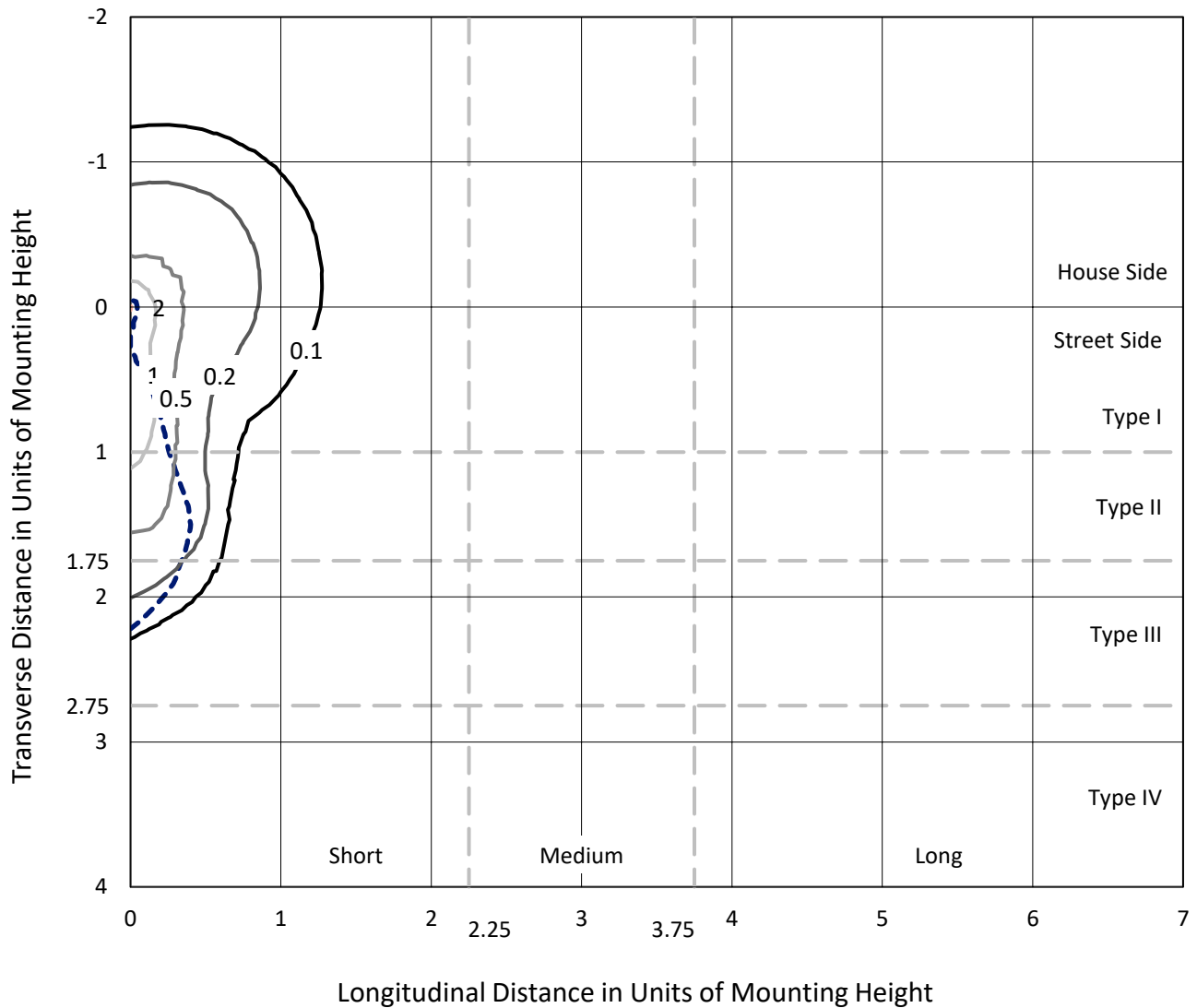
Input Watts (W): 33  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

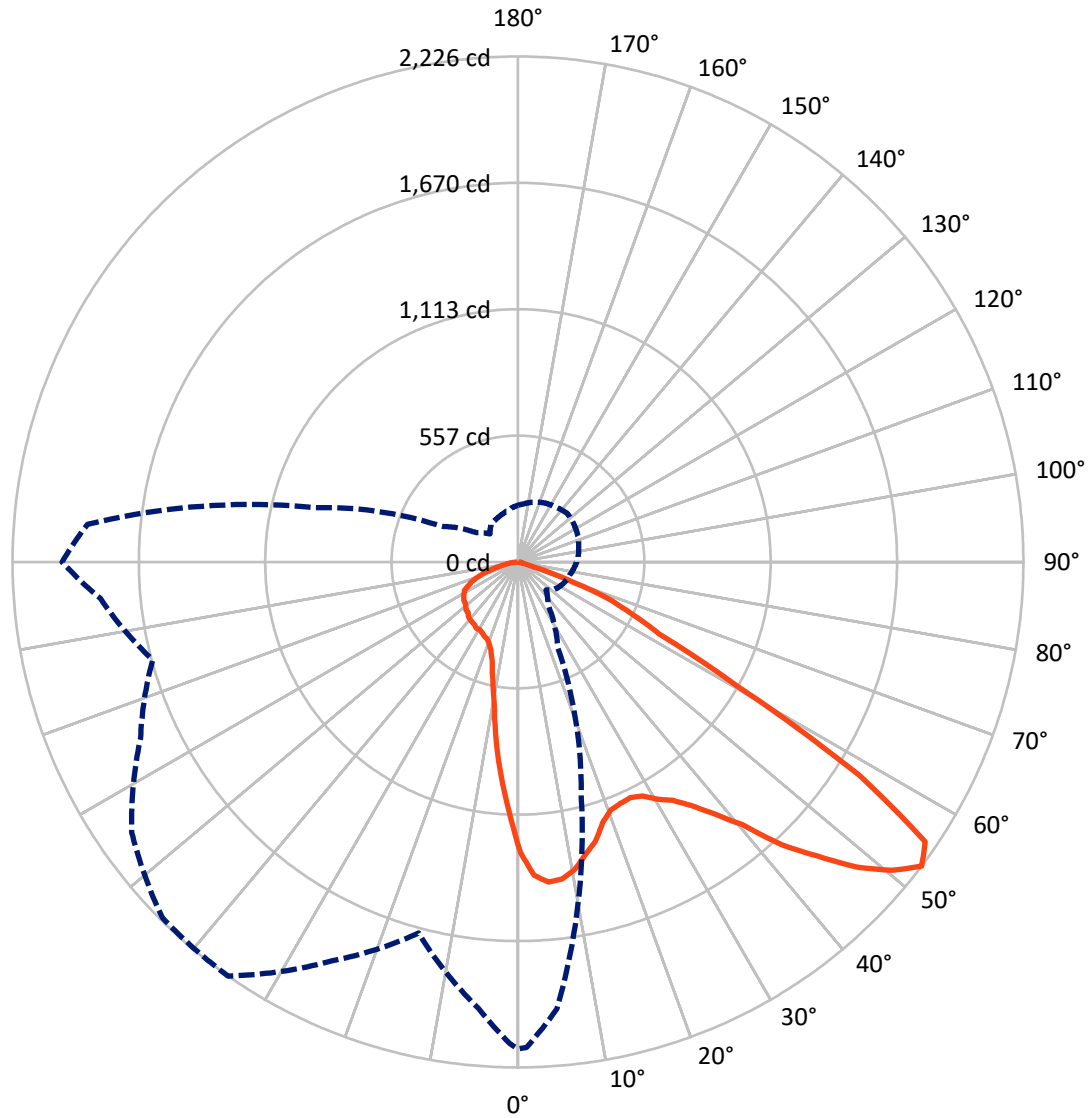
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 325-Deg Lateral    - - - Horizontal Cone Through 52.5-Deg Vertical

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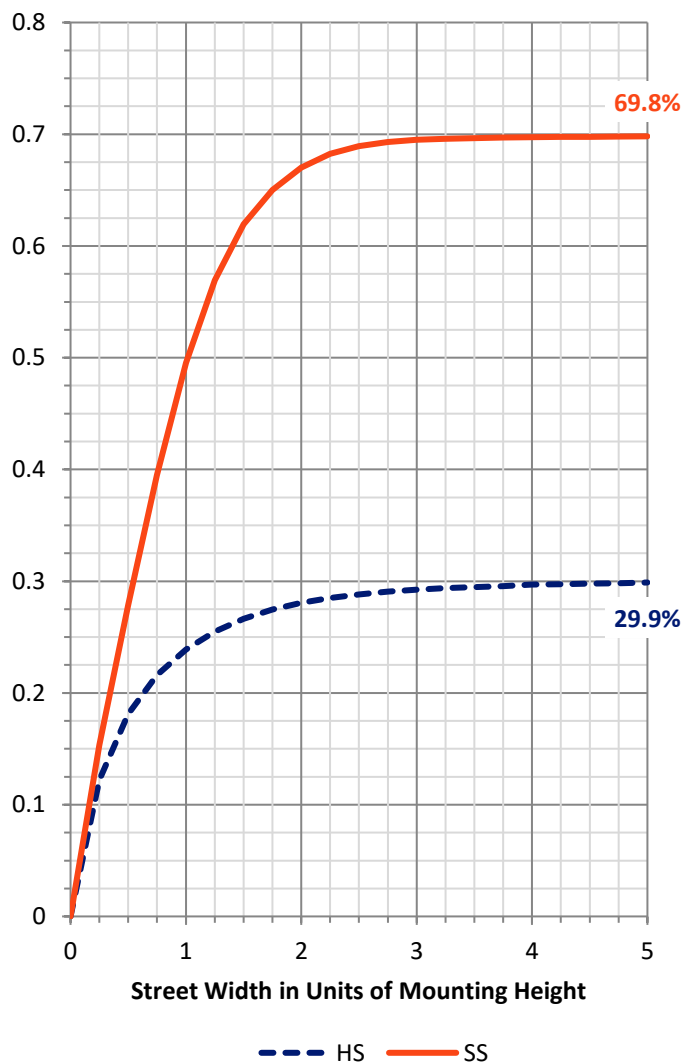
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	868.8	0.0	868.8
	% Fixture	30.1	0.0	30.1
<b>Street Side</b>	Lumens	2013.2	0.0	2013.2
	% Fixture	69.9	0.0	69.9
<b>Total</b>	Lumens	2882.0	0.0	2882.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	97.6	3.4
10°-20°	211.5	7.3
20°-30°	319.6	11.1
30°-40°	461.9	16.0
40°-50°	614.7	21.3
50°-60°	687.5	23.9
60°-70°	387.5	13.4
70°-80°	86.4	3.0
80°-90°	15.4	0.5
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°	2882.0	100.0
0°-180°	2882.0	100.0

**Coefficient of Utilization**



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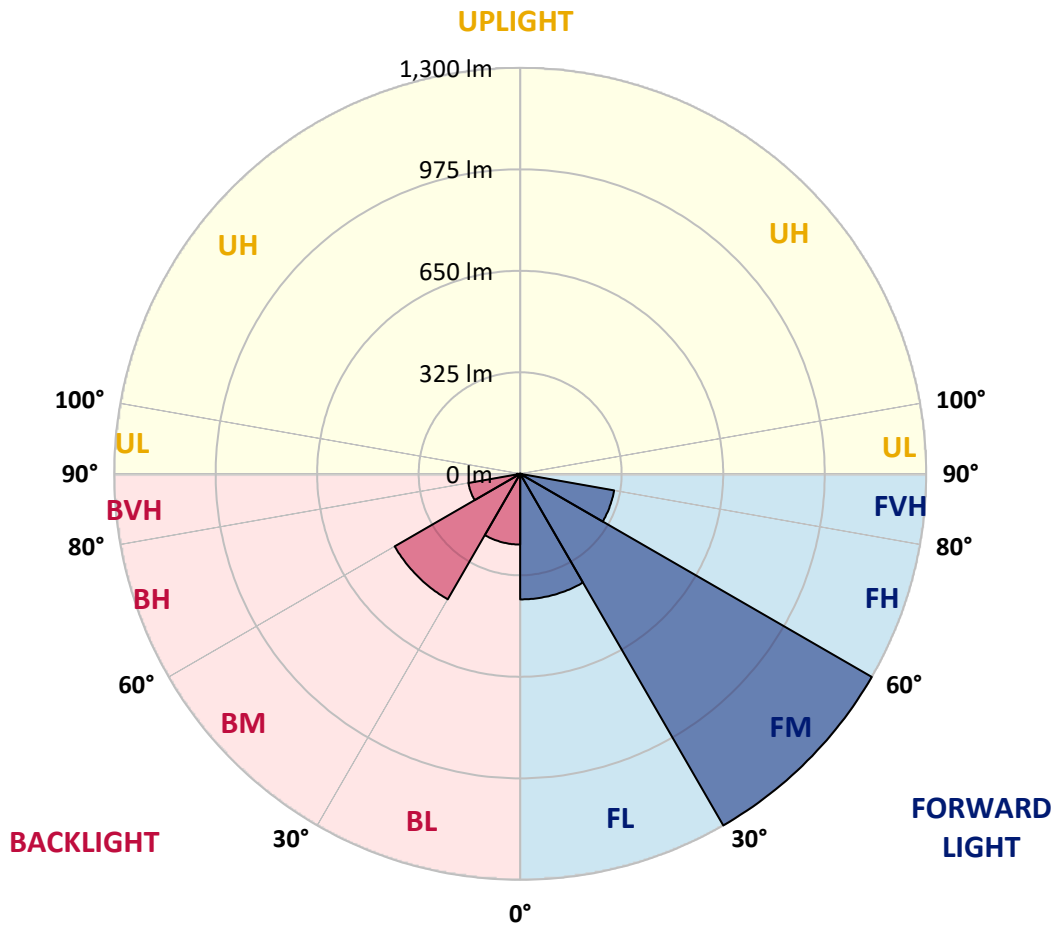
CATALOG NUMBER: GLAN-SA1A-727-U-SLR-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	402.2	14.0			
FM (30°-60°)	1300.0	45.1			
FH (60°-80°)	305.4	10.6			G0/660
FVH (80°-90°)	5.6	0.2			G0/10
BL (0°-30°)	226.6	7.9	B1/500		
BM (30°-60°)	464.0	16.1	B1/1000		
BH (60°-80°)	168.4	5.8	B1/500		G1/500
BVH (80°-90°)	9.8	0.3			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1279.0	1279.0	1279.0	1279.0	1279.0	1279.0	1279.0	1279.0	1279.0	1279.0	1279.0
2.5°	1300.4	1321.2	1298.7	1258.6	1230.2	1204.3	1177.1	1171.7	1136.2	1129.9	1104.0
5°	1226.4	1221.8	1194.3	1141.6	1083.6	1030.9	992.1	954.5	929.0	899.3	897.3
7.5°	1136.6	1109.9	1094.0	1014.2	942.4	859.7	824.2	766.9	749.0	722.2	708.4
10°	1056.4	1036.8	999.6	919.8	819.6	764.8	726.8	695.9	675.0	647.5	612.8
12.5°	1016.7	1008.8	967.0	843.4	769.0	710.5	683.8	653.7	618.2	573.9	556.8
15°	1023.8	997.1	965.3	828.8	726.0	669.6	627.0	589.4	543.9	501.7	477.0
17.5°	1076.9	1056.4	992.9	837.9	709.7	628.2	551.0	495.4	454.5	416.5	399.3
20°	1181.3	1151.6	1080.2	849.6	674.6	570.6	482.0	413.5	369.7	349.6	343.8
22.5°	1297.0	1279.5	1165.4	876.0	646.6	517.1	408.9	340.4	324.1	318.7	329.6
25°	1437.8	1392.3	1297.8	919.0	624.9	471.6	347.1	309.1	300.8	306.2	318.7
27.5°	1544.7	1532.6	1390.6	959.5	595.2	416.9	312.5	287.4	289.9	295.3	307.0
30°	1671.7	1610.3	1480.4	987.5	568.5	379.3	288.2	281.5	284.0	293.2	299.1
32.5°	1748.1	1725.2	1536.8	1029.7	537.6	346.7	269.4	263.2	266.9	280.7	294.5
35°	1845.5	1799.9	1606.5	1040.5	515.9	333.8	256.1	251.5	260.2	269.8	285.3
37.5°	1959.1	1927.8	1703.0	1033.0	504.2	320.4	244.8	242.7	249.0	262.3	280.3
40°	2026.3	2016.7	1753.6	1037.6	485.8	308.7	231.8	234.3	247.3	257.7	275.3
42.5°	2091.1	2028.4	1828.3	1035.9	474.1	292.8	233.1	230.2	240.2	252.3	269.0
45°	2105.3	2043.1	1845.9	1024.2	459.9	277.4	223.5	224.7	236.8	251.9	262.7
47.5°	2096.1	2050.2	1878.5	1020.9	446.5	266.5	209.3	224.3	231.4	243.5	259.0
50°	2089.8	2087.3	1906.0	1036.8	428.6	249.4	192.1	218.9	226.0	238.1	254.8
52.5°	2145.0	2139.5	1975.0	1078.5	414.4	231.0	174.6	205.1	222.2	233.9	250.2
55°	2178.4	2154.6	2093.2	1129.9	390.6	206.8	162.5	188.0	213.0	223.5	240.2
57.5°	1959.5	1943.2	1893.5	1054.7	350.5	175.0	147.5	170.4	200.5	216.8	233.9
60°	1630.3	1604.9	1477.5	896.4	258.6	136.2	138.3	156.6	197.2	203.4	223.5
62.5°	1537.2	1474.1	1300.8	721.4	198.4	117.0	124.1	144.1	179.6	190.1	210.1
65°	1219.7	1172.9	930.7	520.9	132.8	101.5	113.2	129.9	155.0	175.4	193.8
67.5°	763.6	718.9	496.7	246.5	92.7	86.9	101.1	118.6	139.1	157.5	177.9
70°	398.9	350.0	229.3	89.0	63.9	71.0	84.4	101.1	121.1	136.2	152.0
72.5°	148.7	120.7	74.8	38.4	44.3	54.3	68.5	80.6	94.8	113.2	122.0
75°	23.0	19.6	19.2	23.4	30.1	39.3	48.9	61.0	73.5	85.2	91.1
77.5°	10.9	10.4	11.7	15.5	20.1	28.0	35.5	47.2	57.2	64.7	68.1
80°	7.1	6.7	7.5	10.4	15.0	20.9	28.4	36.3	45.5	51.8	51.0
82.5°	4.2	4.6	4.6	7.1	10.4	15.0	20.5	27.6	33.8	39.3	35.9
85°	2.5	2.1	2.1	4.2	7.1	12.1	17.1	11.7	12.1	12.1	13.8
87.5°	0.8	0.8	0.8	0.4	0.8	0.8	1.3	2.1	2.5	2.9	3.8
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):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1279.0	1279.0	1279.0	1279.0	1279.0	1279.0	1279.0	1279.0	1279.0	1279.0	1279.0
2.5°	1103.2	1116.1	1111.5	1095.3	1107.8	1109.9	1101.5	1130.3	1135.8	1127.0	1129.5
5°	894.3	897.7	905.2	921.1	932.3	945.7	945.7	946.5	935.3	963.7	955.3
7.5°	696.8	698.8	707.6	741.4	751.1	776.5	787.4	779.9	757.3	747.7	755.6
10°	601.5	589.4	586.5	590.7	612.4	623.2	632.4	629.9	626.2	618.6	610.3
12.5°	538.0	529.2	522.1	512.1	513.4	523.8	530.9	525.1	526.7	528.4	530.9
15°	469.1	462.8	459.1	444.0	442.4	449.5	452.0	455.3	461.6	462.0	459.1
17.5°	396.0	390.6	398.9	407.3	401.4	401.8	406.4	409.4	407.7	400.2	396.4
20°	345.9	351.7	360.1	368.0	374.3	378.0	379.7	375.1	369.7	354.2	353.8
22.5°	331.2	338.8	345.9	358.0	363.8	373.4	364.7	354.2	346.7	339.2	330.4
25°	320.4	326.7	340.9	345.5	356.7	364.7	358.4	348.0	335.0	324.1	317.5
27.5°	312.5	319.6	328.7	341.3	350.0	354.6	348.4	344.2	330.8	317.9	308.3
30°	307.4	315.0	331.7	342.1	349.6	353.4	342.5	337.5	327.9	317.0	308.7
32.5°	304.1	310.8	325.0	338.4	343.4	343.4	345.0	339.2	325.8	307.4	300.3
35°	293.2	302.4	314.1	329.6	338.8	344.2	335.8	329.2	320.4	301.6	288.6
37.5°	287.0	293.2	308.3	322.9	330.8	336.7	333.3	321.6	309.9	294.5	284.0
40°	280.3	290.3	303.7	317.5	326.2	332.1	329.6	315.8	301.6	287.0	279.9
42.5°	275.7	282.4	296.2	311.6	322.1	333.3	325.8	308.7	298.7	278.6	270.7
45°	271.9	282.8	297.4	303.7	314.5	326.2	312.9	302.4	290.7	276.1	269.4
47.5°	267.3	277.4	287.0	303.7	308.7	314.1	311.6	294.9	284.9	269.0	264.4
50°	265.7	269.4	287.0	296.2	303.3	308.7	302.0	289.5	279.9	263.6	253.6
52.5°	259.0	266.1	277.4	289.5	298.2	304.9	294.1	286.1	273.2	256.1	249.8
55°	250.6	254.8	274.9	287.4	292.0	296.6	292.4	279.5	266.1	248.5	242.3
57.5°	239.8	249.4	265.7	283.2	289.1	291.6	284.9	274.4	257.7	242.3	232.3
60°	228.5	238.5	256.5	270.7	276.5	285.7	275.7	269.4	250.2	233.1	222.2
62.5°	217.2	228.5	241.9	259.8	264.8	268.6	266.1	257.3	241.9	222.6	209.3
65°	203.8	212.2	228.9	238.1	241.4	250.2	241.4	238.1	224.3	205.9	194.7
67.5°	183.8	190.9	205.5	214.3	216.8	220.6	220.1	216.4	200.9	188.4	178.4
70°	160.8	167.1	176.3	186.7	188.0	192.6	188.4	187.6	177.5	160.4	155.0
72.5°	129.1	134.9	147.0	151.6	152.0	153.7	151.6	148.7	146.2	128.2	122.8
75°	99.0	102.3	108.2	112.4	112.4	114.5	113.2	110.3	103.6	92.3	86.9
77.5°	68.9	72.3	79.8	82.3	81.9	82.7	78.9	76.0	66.0	60.2	55.6
80°	50.1	52.2	56.0	57.6	58.1	59.3	54.7	52.2	46.4	39.7	37.6
82.5°	36.3	37.6	38.0	40.1	40.1	38.0	36.8	34.3	30.1	25.9	24.2
85°	15.0	15.5	15.9	18.4	18.8	22.6	20.9	19.6	17.1	14.6	13.4
87.5°	3.8	4.2	5.4	4.6	5.4	5.4	5.8	6.7	6.7	5.4	5.4
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):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1279.0	1279.0	1279.0	1279.0	1279.0	1279.0	1279.0	1279.0	1279.0	1279.0	1279.0
2.5°	1139.1	1142.5	1185.1	1190.5	1211.4	1232.7	1275.7	1306.6	1331.7	1348.0	1352.6
5°	964.1	985.4	1005.0	1036.8	1065.6	1106.5	1153.7	1212.2	1285.7	1323.3	1338.4
7.5°	754.8	779.9	808.3	839.2	881.4	954.9	1018.0	1085.6	1179.6	1218.5	1277.4
10°	616.1	644.1	681.7	705.5	756.5	826.7	900.2	978.3	1068.1	1124.1	1192.2
12.5°	544.7	567.7	602.3	652.5	690.5	736.0	790.7	889.3	1018.0	1071.0	1117.8
15°	465.8	491.2	531.3	586.9	632.4	686.7	748.1	855.5	992.5	1074.4	1114.1
17.5°	400.6	419.0	461.2	509.2	561.4	620.7	708.9	853.8	1019.2	1124.1	1188.8
20°	355.5	358.0	381.0	421.9	492.9	570.2	684.6	845.5	1104.9	1209.7	1291.6
22.5°	327.1	324.6	325.0	359.7	409.4	520.5	646.6	873.9	1202.2	1345.9	1401.0
25°	312.9	306.2	302.0	309.5	354.6	461.6	617.8	911.5	1307.0	1458.2	1525.9
27.5°	305.4	293.7	285.3	286.6	319.6	431.9	599.8	927.7	1411.0	1614.9	1638.7
30°	302.4	287.8	275.7	271.5	293.2	390.6	561.4	955.7	1504.2	1700.9	1721.4
32.5°	292.0	274.0	262.3	258.6	267.3	354.2	533.8	975.8	1586.5	1794.5	1787.4
35°	279.9	264.8	250.2	243.1	249.4	330.8	511.7	966.2	1683.4	1867.2	1863.4
37.5°	278.6	259.0	246.9	235.2	234.8	302.0	481.6	975.4	1745.2	1997.5	1946.1
40°	267.8	255.2	239.4	229.7	224.3	287.4	452.4	953.6	1835.9	2050.2	1999.6
42.5°	268.2	249.4	235.6	224.3	218.9	266.1	432.3	947.8	1867.6	2135.8	2024.7
45°	261.5	243.1	231.4	218.0	215.1	249.8	413.1	920.6	1923.6	2140.0	1993.3
47.5°	254.8	238.5	226.0	210.1	203.4	243.9	398.1	898.1	1894.3	2100.7	1949.9
50°	250.2	231.4	219.7	208.4	189.6	233.9	378.5	892.7	1853.4	2047.6	1869.3
52.5°	242.3	225.6	213.5	204.7	174.6	224.7	370.9	924.4	1903.5	2008.0	1845.9
55°	234.8	217.6	202.2	185.0	162.1	200.5	350.0	954.1	1976.6	2099.4	1952.0
57.5°	226.8	210.5	193.8	173.4	150.0	175.4	328.3	959.5	1839.6	1940.3	1853.0
60°	216.4	195.5	183.0	156.2	137.0	145.4	260.2	845.9	1426.9	1620.3	1623.2
62.5°	204.7	182.1	171.3	139.9	123.6	125.3	212.2	711.0	1157.5	1341.3	1421.1
65°	189.2	167.5	154.6	129.5	114.0	108.6	155.4	520.9	879.3	1088.2	1178.8
67.5°	169.2	148.7	132.4	112.8	101.9	93.2	106.1	293.2	519.2	730.6	758.2
70°	147.9	130.3	113.2	96.9	84.8	78.5	77.7	129.9	248.1	393.1	447.4
72.5°	116.5	104.0	90.2	78.1	70.2	61.0	55.6	53.9	84.0	160.0	221.0
75°	83.5	73.1	65.2	57.2	51.4	46.4	42.2	38.4	35.1	40.1	55.1
77.5°	52.6	48.9	42.6	40.5	37.2	35.9	34.3	32.2	29.7	28.0	28.0
80°	35.5	33.0	30.9	30.5	29.2	28.8	29.2	27.2	24.6	22.6	23.4
82.5°	23.8	23.4	23.0	22.6	23.0	23.4	24.2	23.8	21.7	20.5	20.9
85°	14.2	15.0	15.9	16.7	18.4	16.3	13.4	11.3	10.0	9.2	8.8
87.5°	5.4	7.5	6.7	6.3	6.7	6.3	5.8	5.4	4.6	4.2	4.2
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):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1279.0	1279.0	1279.0	1279.0	1279.0	1279.0	1279.0	1279.0	1279.0	1279.0
2.5°	1383.1	1391.4	1398.5	1396.8	1382.2	1362.6	1354.7	1314.1	1305.8	1300.4
5°	1401.9	1450.3	1460.8	1454.5	1416.5	1368.4	1321.7	1262.3	1227.7	1226.4
7.5°	1367.2	1426.9	1445.7	1459.9	1409.4	1325.8	1245.6	1156.7	1134.9	1136.6
10°	1279.0	1374.3	1420.7	1435.3	1377.2	1304.9	1193.8	1103.6	1057.2	1056.4
12.5°	1230.2	1304.9	1317.9	1338.4	1321.2	1248.1	1163.8	1062.7	1017.6	1016.7
15°	1186.7	1236.0	1239.8	1268.6	1277.8	1228.5	1171.7	1063.9	1027.6	1023.8
17.5°	1224.7	1190.5	1176.3	1180.1	1207.2	1225.2	1217.6	1134.9	1097.8	1076.9
20°	1250.2	1173.8	1130.8	1134.9	1167.1	1232.7	1286.2	1237.7	1178.8	1181.3
22.5°	1318.3	1176.3	1109.0	1104.4	1155.4	1271.9	1363.4	1367.6	1310.8	1297.0
25°	1420.2	1205.1	1102.4	1101.1	1150.0	1314.1	1453.7	1521.3	1463.3	1437.8
27.5°	1502.1	1250.2	1123.2	1127.4	1167.1	1348.4	1530.5	1620.3	1576.0	1544.7
30°	1574.0	1297.0	1152.5	1133.3	1213.1	1366.4	1563.5	1733.1	1697.6	1671.7
32.5°	1603.6	1363.4	1198.8	1167.1	1251.1	1388.1	1632.0	1842.5	1812.1	1748.1
35°	1653.7	1400.6	1223.9	1221.4	1317.5	1440.3	1664.2	1914.8	1902.3	1845.5
37.5°	1693.8	1438.2	1312.9	1285.3	1408.5	1528.0	1716.0	2014.6	1985.8	1959.1
40°	1724.8	1505.5	1396.0	1432.4	1520.5	1607.8	1763.6	2020.9	2104.0	2026.3
42.5°	1696.3	1565.6	1532.6	1619.5	1703.0	1698.9	1769.0	2069.4	2131.6	2091.1
45°	1689.2	1667.5	1748.6	1827.5	1846.7	1774.5	1730.2	2015.9	2123.3	2105.3
47.5°	1672.1	1767.8	1909.0	2037.6	2008.4	1825.0	1683.8	2006.3	2128.3	2096.1
50°	1666.3	1789.5	2027.6	2152.9	2135.4	1868.9	1662.1	1944.5	2092.8	2089.8
52.5°	1665.9	1834.2	2076.9	2215.6	2226.4	1938.2	1691.8	1975.8	2120.3	2145.0
55°	1684.7	1820.0	2070.6	2180.9	2176.7	1907.3	1695.1	1996.7	2154.2	2178.4
57.5°	1589.0	1630.3	1708.9	1796.2	1773.6	1579.8	1513.8	1845.9	1977.1	1959.5
60°	1372.2	1242.7	1154.2	1150.0	1106.1	1045.5	1238.9	1647.5	1647.5	1630.3
62.5°	1201.8	815.8	700.9	668.3	699.7	769.4	1195.1	1602.4	1556.8	1537.2
65°	1051.0	622.8	506.7	497.5	551.8	657.1	1080.6	1365.1	1284.9	1219.7
67.5°	676.3	456.1	376.8	360.5	426.1	482.5	719.3	839.6	789.1	763.6
70°	436.1	297.0	209.7	196.7	222.2	297.4	459.5	489.6	416.0	398.9
72.5°	206.4	128.2	73.5	60.6	68.1	113.6	181.7	195.5	162.5	148.7
75°	65.6	47.2	30.1	25.9	24.6	29.2	41.8	32.2	23.4	23.0
77.5°	29.2	28.0	23.8	20.1	17.5	14.6	12.1	10.0	10.4	10.9
80°	24.2	22.1	19.6	17.5	14.6	11.3	8.8	6.7	6.7	7.1
82.5°	21.3	19.2	17.1	14.6	12.5	9.2	6.7	4.6	4.2	4.2
85°	9.2	10.9	11.7	12.5	10.0	7.5	4.6	2.9	2.5	2.5
87.5°	3.8	3.3	2.9	2.5	2.1	2.1	1.7	1.3	0.8	0.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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