

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: P299457

Luminaire Tested: **GAA-AF-01-LED-U-SLR-8030-600**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P299457  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P194679)  
Test Lab: INNOVATION CENTER P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAA-AF-01-LED-U-SLR-8030-600  
Description: GALLEONAIRE AREA AND ROADWAY LUMINAIRE  
(1) 80 CRI, 3000K CCT 600mA LIGHTSQUARE WITH 16 LEDS EACH AND 90° Spill  
Light Eliminator Right OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

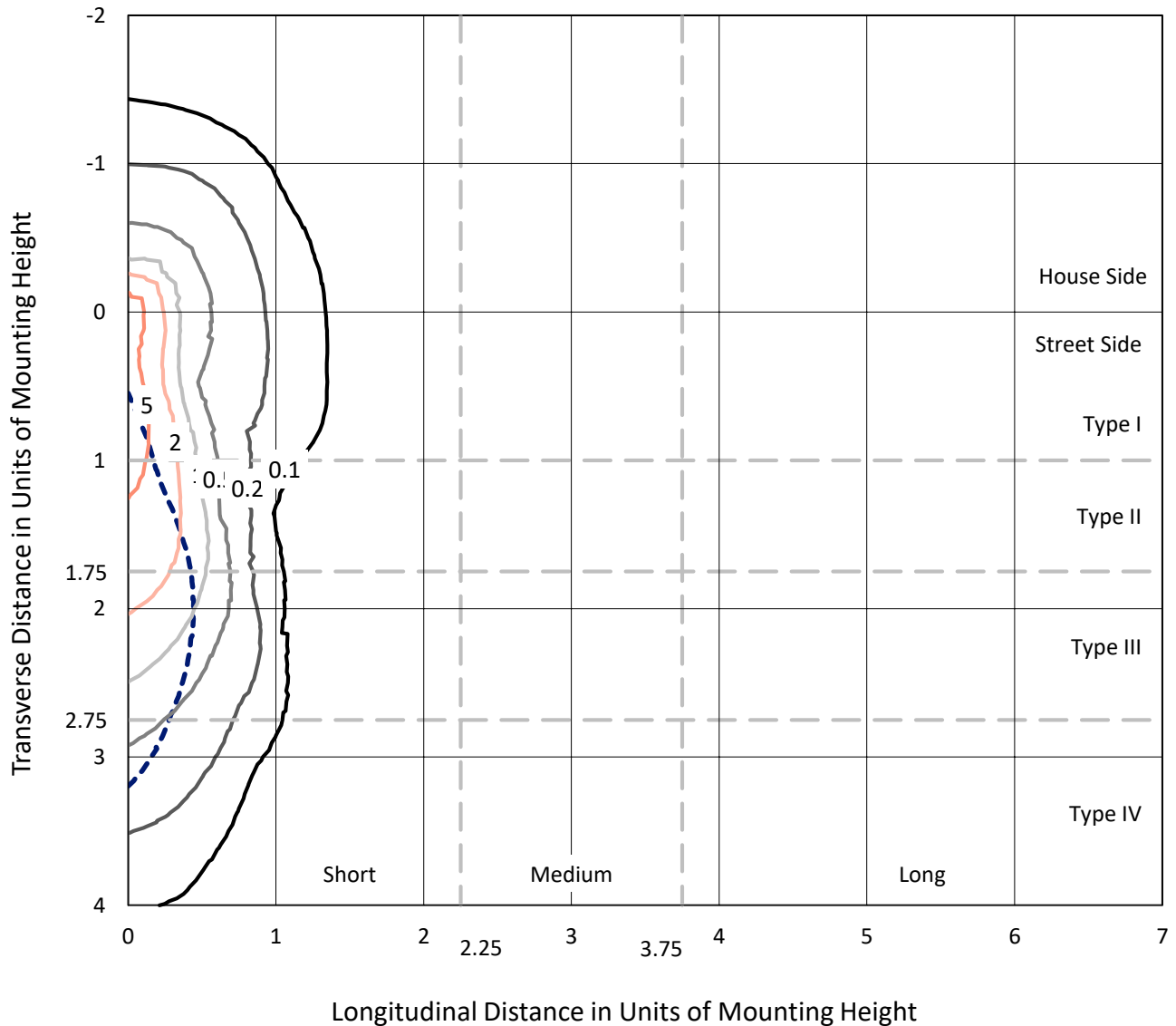
Lumens per Lamp: N/A  
Luminaire Lumens: 2934.8 lumens  
Efficiency: N/A  
Efficacy: 86.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 34  
Input Voltage (V): NR  
Input Current (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

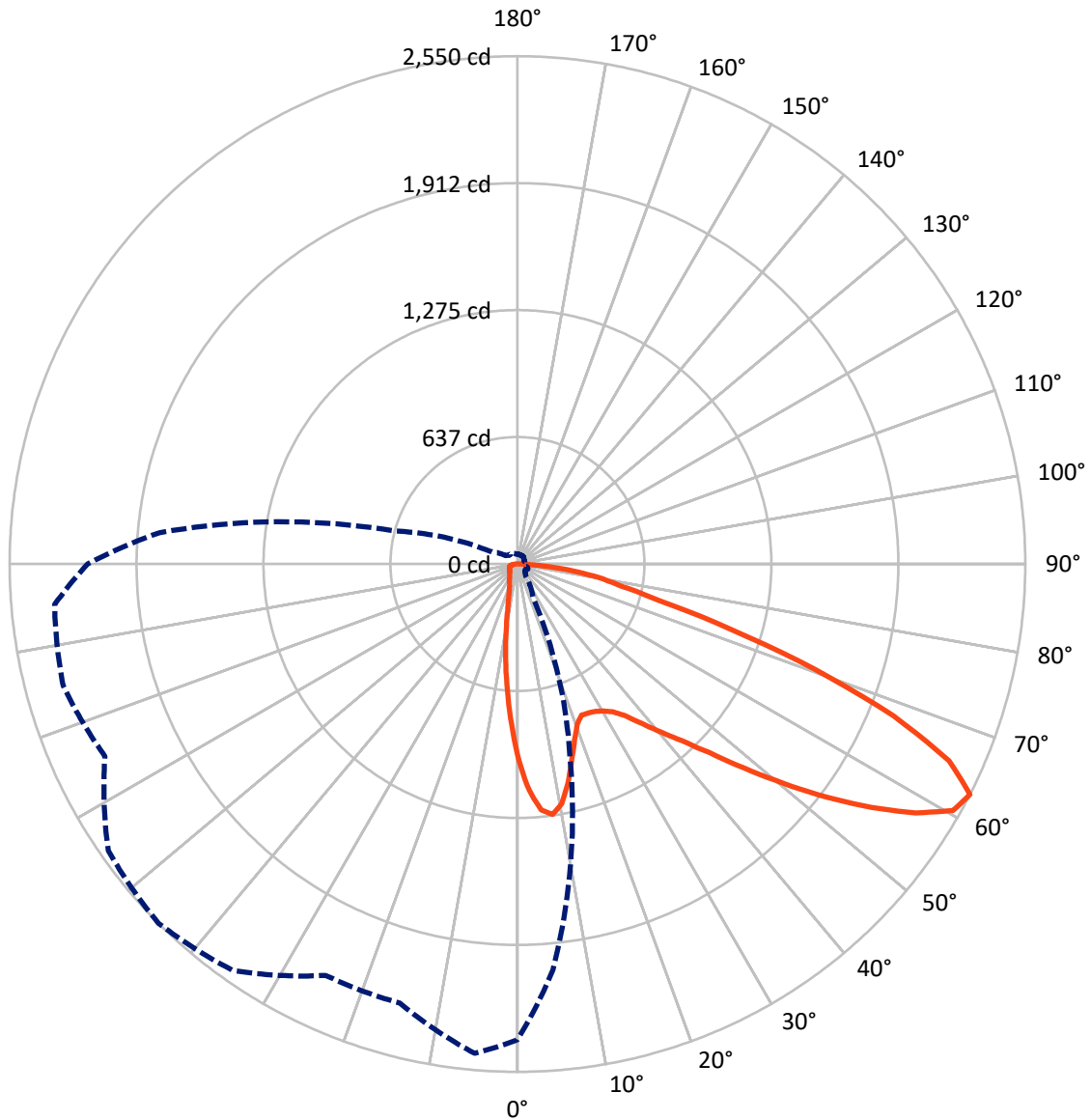
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.9 fc  
 Type IV - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	485.7	0.0	485.7
	% Fixture	16.5	0.0	16.5
<b>Street Side</b>	Lumens	2449.1	0.0	2449.1
	% Fixture	83.5	0.0	83.5
<b>Total</b>	Lumens	2934.8	0.0	2934.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	72.2	2.5
10°-20°	132.4	4.5
20°-30°	193.0	6.6
30°-40°	297.2	10.1
40°-50°	437.4	14.9
50°-60°	641.6	21.9
60°-70°	717.2	24.4
70°-80°	351.1	12.0
80°-90°	92.7	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°	2934.8	100.0
0°-180°	2934.8	100.0

**Coefficient of Utilization**



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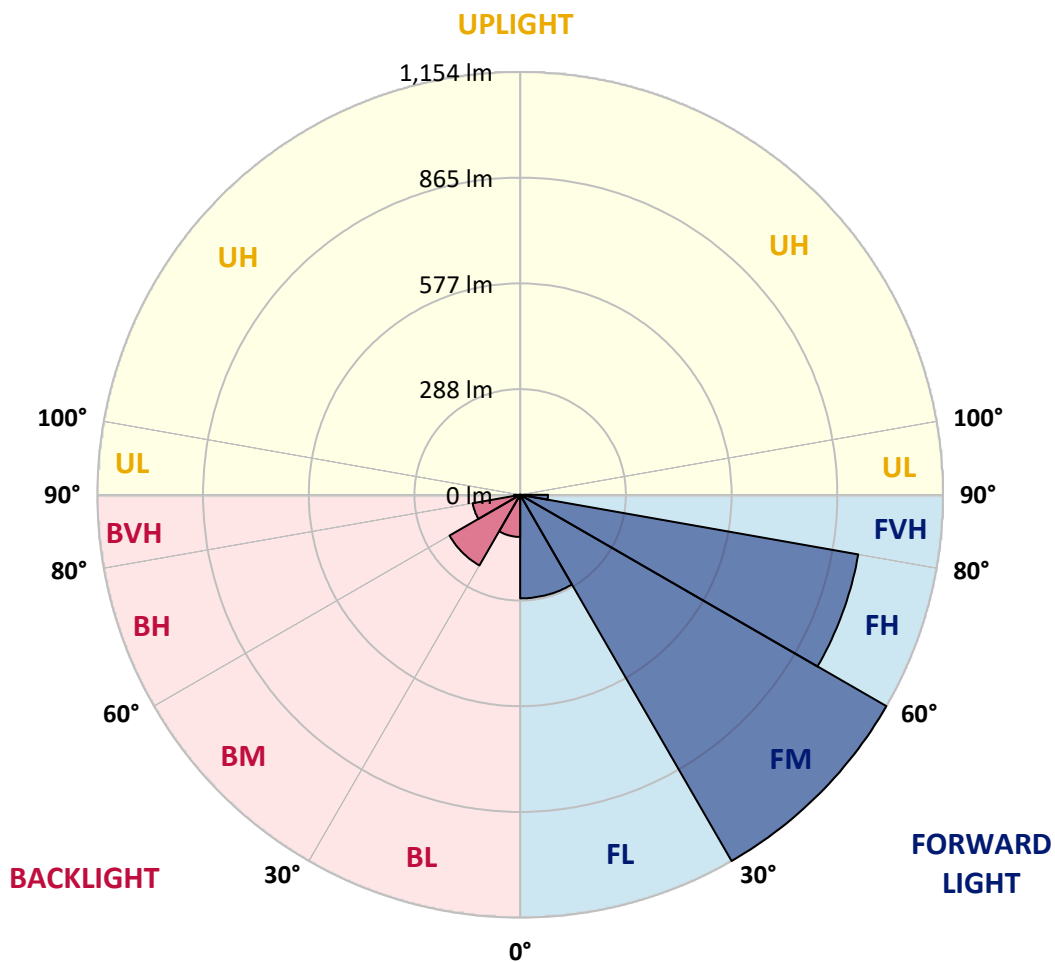
CATALOG NUMBER: GAA-AF-01-LED-U-SLR-8030-600

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	282.6	9.6			
FM	(30°-60°)	1153.7	39.3			
FH	(60°-80°)	936.7	31.9			G1/1800
FVH	(80°-90°)	76.1	2.6			G1/100
BL	(0°-30°)	114.9	3.9	B1/500		
BM	(30°-60°)	222.5	7.6	B1/1000		
BH	(60°-80°)	131.7	4.5	B1/500		G1/500
BVH	(80°-90°)	16.6	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-G1**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	991.5	991.5	991.5	991.5	991.5	991.5	991.5	991.5	991.5	991.5	991.5
2.5°	1030.2	1009.3	974.4	938.1	916.0	890.2	870.0	852.3	816.8	809.9	816.2
5°	968.8	926.7	861.0	794.9	750.8	703.5	666.8	637.3	592.2	584.3	593.8
7.5°	870.2	819.9	733.1	648.7	586.4	527.4	487.7	456.1	420.9	405.8	406.7
10°	785.2	728.4	625.8	534.0	483.0	443.2	409.8	377.3	341.7	318.3	311.8
12.5°	737.6	672.3	554.0	472.0	424.8	382.9	346.9	312.2	274.1	250.2	243.5
15°	729.4	658.4	527.1	432.4	373.1	320.1	277.7	238.9	199.7	180.4	176.3
17.5°	765.0	683.2	518.3	397.0	324.6	259.1	207.0	163.8	131.8	122.1	121.3
20°	833.4	731.0	517.2	363.8	276.7	199.9	144.2	112.8	98.8	96.0	96.2
22.5°	929.4	805.0	531.1	338.8	232.6	149.1	108.4	94.4	88.9	86.3	86.3
25°	1053.6	907.0	563.0	320.6	194.4	119.1	95.7	87.3	82.1	80.3	80.7
27.5°	1174.0	1006.2	600.1	306.2	169.4	108.1	90.6	83.1	78.6	76.8	77.6
30°	1267.9	1094.3	631.1	286.7	156.6	105.0	92.5	84.7	78.2	75.5	75.7
32.5°	1345.6	1171.4	657.1	272.6	145.3	90.0	79.7	76.3	75.5	72.3	70.7
35°	1445.0	1255.5	674.5	273.0	140.0	80.3	71.0	65.0	60.7	56.9	56.9
37.5°	1561.5	1351.9	693.1	276.7	138.1	74.7	67.9	61.9	57.9	54.4	53.7
40°	1676.7	1446.5	710.0	280.2	136.9	71.3	65.5	60.0	56.3	52.7	51.8
42.5°	1774.6	1524.2	725.2	282.0	133.1	71.0	63.7	58.7	55.2	51.3	50.4
45°	1847.1	1589.4	741.5	284.7	129.2	72.3	63.7	58.6	54.2	50.5	49.5
47.5°	1911.7	1665.9	768.7	284.7	124.5	69.8	65.8	58.7	54.1	50.2	49.4
50°	1998.4	1770.7	820.4	278.1	117.9	67.3	69.4	58.1	52.6	49.5	48.5
52.5°	2117.7	1905.1	902.3	266.7	107.8	62.3	68.9	57.8	51.1	47.9	46.8
55°	2258.9	2049.0	991.7	253.3	92.6	58.7	66.5	56.9	49.5	46.0	44.8
57.5°	2369.1	2148.1	1054.6	232.6	79.4	56.8	58.9	56.2	47.6	43.9	42.9
60°	2413.0	2144.2	1071.9	205.0	72.9	55.2	51.5	62.9	46.0	42.2	41.1
62.5°	2389.3	2045.2	1023.5	185.7	71.5	53.1	48.3	58.2	44.7	41.1	39.5
65°	2279.7	1869.6	895.2	180.5	75.7	51.0	46.2	45.7	42.9	39.5	37.9
67.5°	2041.1	1607.3	716.8	181.0	81.0	48.9	44.1	41.8	40.5	37.8	36.3
70°	1662.5	1270.8	534.3	182.3	83.7	46.4	41.8	39.4	37.9	35.2	34.2
72.5°	1222.4	979.4	388.2	173.9	84.2	43.7	38.7	36.6	35.2	32.3	31.5
75°	836.3	749.2	269.3	144.1	73.4	39.9	35.3	33.4	32.4	28.9	28.4
77.5°	610.9	562.4	172.3	107.0	56.6	35.0	31.2	29.7	29.1	25.2	24.5
80°	490.3	444.9	107.8	73.3	41.5	29.4	26.1	25.3	24.7	20.8	20.3
82.5°	340.1	298.0	69.2	47.6	31.2	22.8	20.7	20.3	19.3	15.8	15.3
85°	179.4	161.8	43.9	32.4	22.6	15.6	14.4	14.4	13.9	10.5	10.2
87.5°	22.9	37.3	22.3	16.9	12.4	6.9	6.9	6.8	7.3	6.0	5.2
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):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°	185°
0°	991.5	991.5	991.5	991.5	991.5	991.5	991.5	991.5	991.5	991.5	991.5
2.5°	801.3	809.1	801.7	802.1	810.4	834.9	846.0	855.2	865.1	871.5	874.4
5°	580.8	598.9	605.0	617.9	636.9	668.2	680.6	689.7	695.7	699.2	700.7
7.5°	397.2	408.2	420.4	441.2	482.7	501.1	509.3	507.2	500.5	498.0	495.6
10°	299.4	295.1	292.8	304.3	337.8	356.4	362.2	356.5	352.8	353.6	357.7
12.5°	232.0	224.4	215.2	213.9	236.0	252.6	256.4	256.7	263.4	269.4	278.3
15°	169.1	168.3	163.8	161.0	173.6	187.2	188.8	191.6	197.8	202.1	209.9
17.5°	119.2	123.6	127.1	128.9	138.4	148.1	146.3	144.9	143.7	143.7	147.4
20°	96.2	99.0	103.6	108.7	118.4	125.2	120.8	115.0	110.8	109.5	110.0
22.5°	86.6	88.9	91.5	96.0	104.7	109.4	104.7	100.5	96.3	94.8	94.4
25°	81.8	84.7	87.1	90.5	96.9	100.2	95.7	92.6	90.0	88.3	86.9
27.5°	79.1	81.6	82.3	83.9	89.4	92.3	90.0	88.7	87.1	85.5	83.9
30°	76.1	75.7	74.5	74.7	79.1	82.0	81.8	82.1	82.0	81.5	81.2
32.5°	69.5	68.6	67.6	68.6	72.6	75.2	75.4	76.0	76.0	75.8	77.1
35°	57.9	59.7	60.8	63.7	68.6	70.8	69.8	68.2	65.3	63.5	63.4
37.5°	53.6	53.9	55.8	59.8	65.2	67.3	65.8	62.1	60.2	59.8	60.3
40°	51.5	51.8	52.9	56.6	61.9	64.0	62.8	60.0	58.2	58.1	58.9
42.5°	50.0	50.4	51.0	53.6	57.9	60.5	60.7	58.7	56.6	56.8	57.6
45°	49.2	49.4	49.2	50.5	54.5	57.6	58.9	57.6	55.8	56.2	57.1
47.5°	49.0	48.5	47.9	48.3	52.5	55.5	57.1	56.6	55.8	56.2	56.9
50°	48.4	47.3	46.4	46.3	50.5	53.7	55.2	55.2	55.5	56.2	56.9
52.5°	46.4	45.2	45.2	44.7	49.2	52.3	53.2	53.4	53.9	55.0	56.2
55°	44.1	43.6	44.1	43.2	48.3	51.1	51.6	52.0	52.3	53.2	54.8
57.5°	42.0	41.3	42.4	42.1	47.4	50.0	50.0	50.6	50.6	52.0	53.2
60°	40.8	39.5	40.0	40.3	46.3	49.0	48.7	49.4	49.7	50.8	51.8
62.5°	39.4	38.2	38.2	39.0	45.0	47.6	47.4	47.9	49.2	49.5	50.5
65°	37.6	37.1	36.6	37.6	43.7	46.0	46.2	46.8	47.9	48.3	49.0
67.5°	35.8	36.0	35.0	36.0	42.6	44.3	44.3	45.7	46.2	46.8	47.6
70°	33.9	34.0	33.2	34.4	41.8	42.6	42.4	44.2	44.5	45.0	45.8
72.5°	31.5	31.5	31.2	32.8	40.5	40.8	40.5	42.0	42.1	42.6	42.9
75°	28.9	28.9	28.6	30.8	39.7	38.9	37.9	39.0	39.4	39.7	39.7
77.5°	25.5	25.8	25.8	28.6	36.9	38.1	34.8	35.5	36.0	36.1	35.7
80°	21.3	22.1	22.4	26.0	31.0	35.2	31.2	31.6	31.8	31.8	31.2
82.5°	16.3	17.7	18.6	22.4	23.7	29.5	27.1	27.6	27.1	26.1	25.8
85°	11.3	13.2	14.2	17.1	17.9	22.8	22.6	22.6	21.6	20.3	20.2
87.5°	6.2	7.3	7.9	10.2	12.3	15.3	16.6	16.1	15.3	14.5	14.7
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°	991.5	991.5	991.5	991.5	991.5	991.5	991.5	991.5	991.5	991.5	991.5
2.5°	889.6	911.5	946.5	973.3	1000.2	1026.2	1054.3	1075.7	1094.0	1101.1	1122.7
5°	715.4	742.8	775.8	835.5	877.8	924.4	978.3	1049.6	1077.0	1115.0	1177.0
7.5°	505.8	530.6	583.8	632.1	692.0	757.9	830.7	929.1	965.1	1025.9	1127.0
10°	377.7	406.5	449.3	490.0	542.7	610.2	693.7	803.8	847.5	913.5	1029.9
12.5°	304.3	338.3	383.6	421.9	462.7	510.3	591.5	712.1	770.7	828.4	946.2
15°	233.7	269.4	311.5	360.1	405.1	456.4	541.4	673.4	740.8	801.0	901.5
17.5°	161.8	192.3	245.4	296.0	353.6	419.3	527.6	681.6	762.1	831.5	909.3
20°	114.7	132.1	175.7	234.4	306.2	388.6	525.0	724.8	829.5	908.8	958.9
22.5°	96.5	102.9	128.3	182.1	265.1	365.7	534.0	785.5	920.5	1021.7	1038.1
25°	87.9	91.8	105.0	143.0	228.4	349.1	564.5	875.8	1033.2	1134.6	1131.7
27.5°	83.2	87.3	96.0	120.7	200.9	338.8	595.0	983.0	1161.9	1257.2	1221.1
30°	81.8	87.3	96.5	113.7	181.2	322.5	620.0	1077.0	1260.9	1340.0	1261.8
32.5°	80.7	81.5	85.7	98.1	162.4	303.4	636.9	1161.4	1357.9	1418.8	1320.3
35°	65.2	69.2	76.0	87.9	151.5	292.0	636.9	1234.2	1453.4	1498.3	1376.2
37.5°	62.8	66.3	72.3	82.4	145.3	286.3	624.2	1304.4	1551.0	1588.5	1422.1
40°	61.5	64.4	70.0	78.2	142.8	279.9	605.6	1366.3	1646.3	1678.8	1465.1
42.5°	60.5	63.1	68.4	75.7	139.4	272.8	590.6	1416.0	1729.1	1755.9	1506.0
45°	60.0	62.8	68.6	77.0	132.6	263.4	585.6	1469.7	1797.2	1820.3	1550.4
47.5°	60.0	63.2	69.4	79.7	124.5	253.8	601.3	1540.6	1861.6	1872.9	1602.6
50°	59.5	63.1	71.6	77.0	112.8	241.5	638.0	1629.7	1931.3	1932.5	1668.8
52.5°	58.6	62.8	77.1	75.4	99.2	225.4	687.8	1744.3	2034.4	2042.1	1772.4
55°	57.4	62.3	75.7	71.6	88.1	206.2	728.4	1883.5	2179.2	2200.7	1924.7
57.5°	56.0	61.6	73.3	66.5	80.8	181.5	743.1	1985.5	2280.4	2334.3	2096.3
60°	54.7	61.1	66.1	63.4	76.3	160.7	714.7	1965.3	2273.4	2389.6	2248.4
62.5°	53.4	61.6	60.3	61.5	74.2	147.3	640.5	1803.8	2158.4	2332.5	2361.2
65°	52.0	57.3	56.9	59.8	73.7	142.0	530.9	1561.7	1936.1	2152.0	2387.8
67.5°	50.0	52.9	54.5	57.8	75.4	137.3	428.5	1288.2	1627.2	1881.4	2249.1
70°	47.9	50.4	52.1	55.2	74.4	135.2	356.4	1015.9	1291.1	1542.0	1975.3
72.5°	45.2	47.3	48.9	51.8	73.4	134.1	301.0	818.1	964.0	1145.4	1606.1
75°	42.0	43.9	45.0	47.9	70.3	122.8	236.7	692.3	721.3	796.8	1279.2
77.5°	38.2	39.7	40.6	43.9	62.3	102.1	171.2	534.0	560.1	578.5	980.7
80°	33.9	35.3	35.8	38.9	51.6	79.9	111.6	394.4	418.9	423.1	640.5
82.5°	28.9	30.3	30.3	33.2	42.2	57.4	73.3	270.2	275.1	289.3	452.7
85°	23.2	24.4	24.4	25.8	32.8	42.9	50.4	135.7	134.2	153.3	392.2
87.5°	16.6	17.4	18.2	18.6	23.4	28.4	30.3	41.3	27.3	31.3	251.8
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):**

	295°	305°	315°	325°	335°	345°	355°	360°
0°	991.5	991.5	991.5	991.5	991.5	991.5	991.5	991.5
2.5°	1139.0	1148.2	1138.8	1132.1	1102.9	1078.8	1046.7	1030.2
5°	1224.3	1247.7	1239.8	1211.4	1150.4	1081.9	1004.0	968.8
7.5°	1214.0	1268.4	1269.6	1216.6	1126.7	1025.7	920.2	870.2
10°	1133.7	1203.2	1223.0	1171.6	1076.2	963.3	842.3	785.2
12.5°	1044.0	1112.0	1127.2	1109.4	1029.8	916.3	793.6	737.6
15°	970.5	1001.1	1019.1	1034.6	989.9	897.6	790.8	729.4
17.5°	925.9	922.5	927.7	954.6	962.1	919.1	832.8	765.0
20°	909.7	858.0	856.7	893.8	949.1	970.3	914.7	833.4
22.5°	918.6	834.7	824.1	868.1	956.0	1044.0	1022.2	929.4
25°	949.3	836.7	828.1	870.7	981.2	1122.5	1138.2	1053.6
27.5°	997.5	848.9	837.6	881.4	1014.6	1188.5	1252.4	1174.0
30°	1043.3	870.2	856.2	902.3	1045.1	1214.6	1322.4	1267.9
32.5°	1099.0	910.1	885.4	940.9	1082.8	1256.3	1384.9	1345.6
35°	1153.5	966.8	936.2	1000.4	1124.9	1308.1	1456.2	1445.0
37.5°	1213.4	1041.1	1015.7	1077.4	1182.6	1356.9	1547.2	1561.5
40°	1277.3	1139.5	1109.4	1189.6	1271.9	1418.3	1642.2	1676.7
42.5°	1341.6	1248.7	1212.9	1294.2	1370.2	1478.7	1723.5	1774.6
45°	1415.3	1367.3	1350.3	1438.2	1464.6	1536.4	1783.5	1847.1
47.5°	1501.2	1501.8	1529.1	1564.2	1559.8	1601.5	1843.9	1911.7
50°	1601.4	1669.7	1730.0	1753.3	1657.8	1671.5	1927.6	1998.4
52.5°	1721.7	1870.6	1945.1	1929.8	1763.5	1757.0	2060.2	2117.7
55°	1872.2	2083.3	2157.3	2146.3	1885.0	1873.5	2225.4	2258.9
57.5°	2046.4	2289.3	2357.4	2308.0	2030.8	2001.3	2362.0	2369.1
60°	2199.6	2452.5	2512.2	2457.5	2178.0	2137.3	2447.4	2413.0
62.5°	2284.7	2507.9	2549.8	2490.9	2278.8	2282.1	2466.1	2389.3
65°	2246.7	2368.0	2381.5	2376.7	2252.8	2366.2	2398.8	2279.7
67.5°	2038.2	2014.4	2037.1	2068.6	2030.2	2255.5	2212.4	2041.1
70°	1671.1	1539.9	1585.2	1606.3	1623.8	1940.9	1920.3	1662.5
72.5°	1259.3	1078.8	1114.6	1110.3	1190.9	1556.8	1493.4	1222.4
75°	892.3	731.5	736.0	734.2	831.0	1218.0	1081.4	836.3
77.5°	624.3	530.0	532.4	542.4	558.7	918.6	772.6	610.9
80°	429.3	402.2	415.6	416.4	387.2	617.1	570.8	490.3
82.5°	319.8	279.6	276.3	281.0	303.4	500.0	438.6	340.1
85°	261.8	165.5	133.1	166.8	268.9	495.1	291.4	179.4
87.5°	147.4	78.6	35.5	65.8	107.3	327.8	84.2	22.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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