

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: McGRAW-EDISON

Report Number: P455773

Luminaire Tested: **GALN-SA7A-727-U-SLR**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P455773
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-22)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA7A-727-U-SLR
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22962 lumens
Efficiency: N/A
Efficacy: 106.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G3

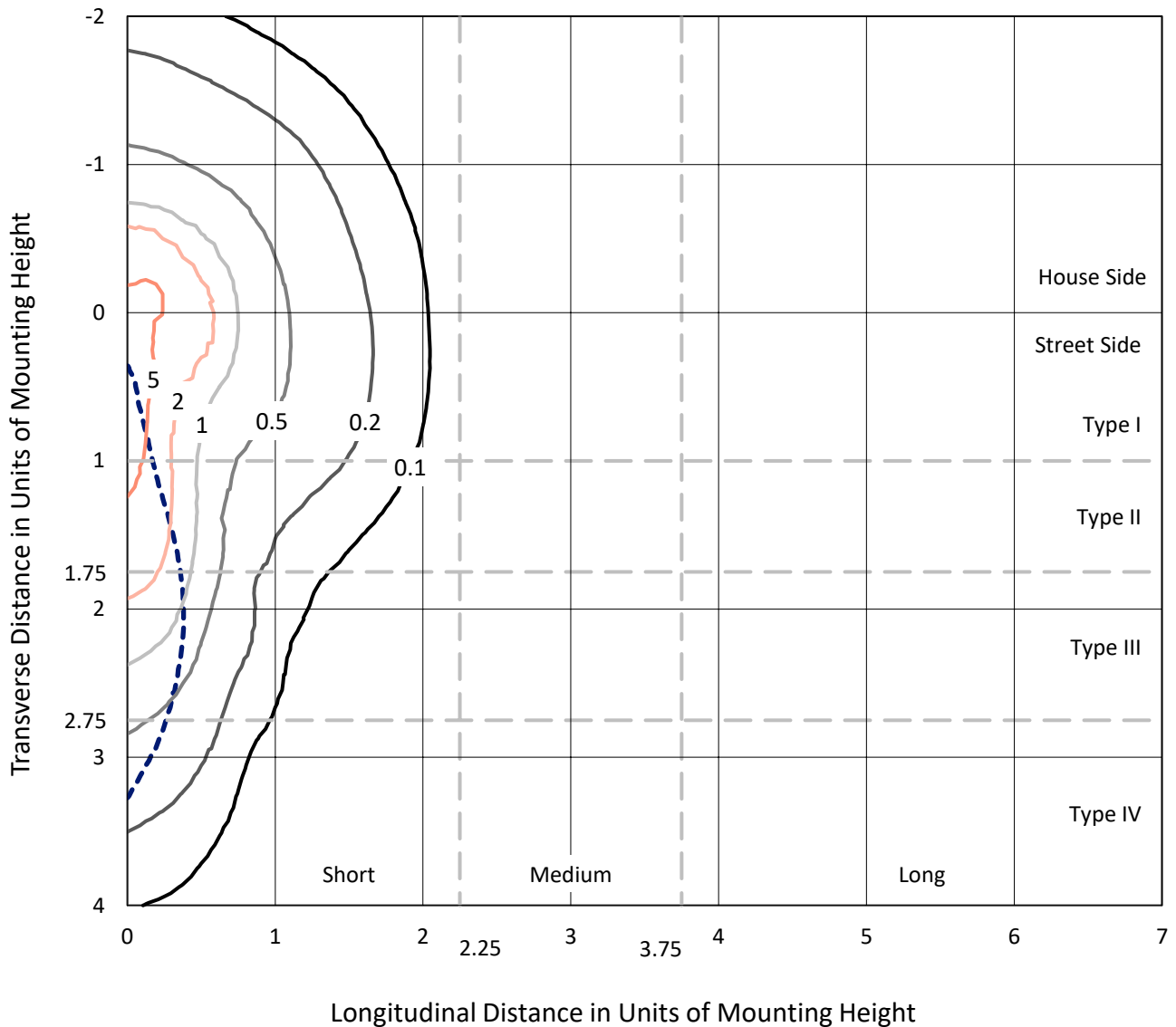
Input Watts (W): 215
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

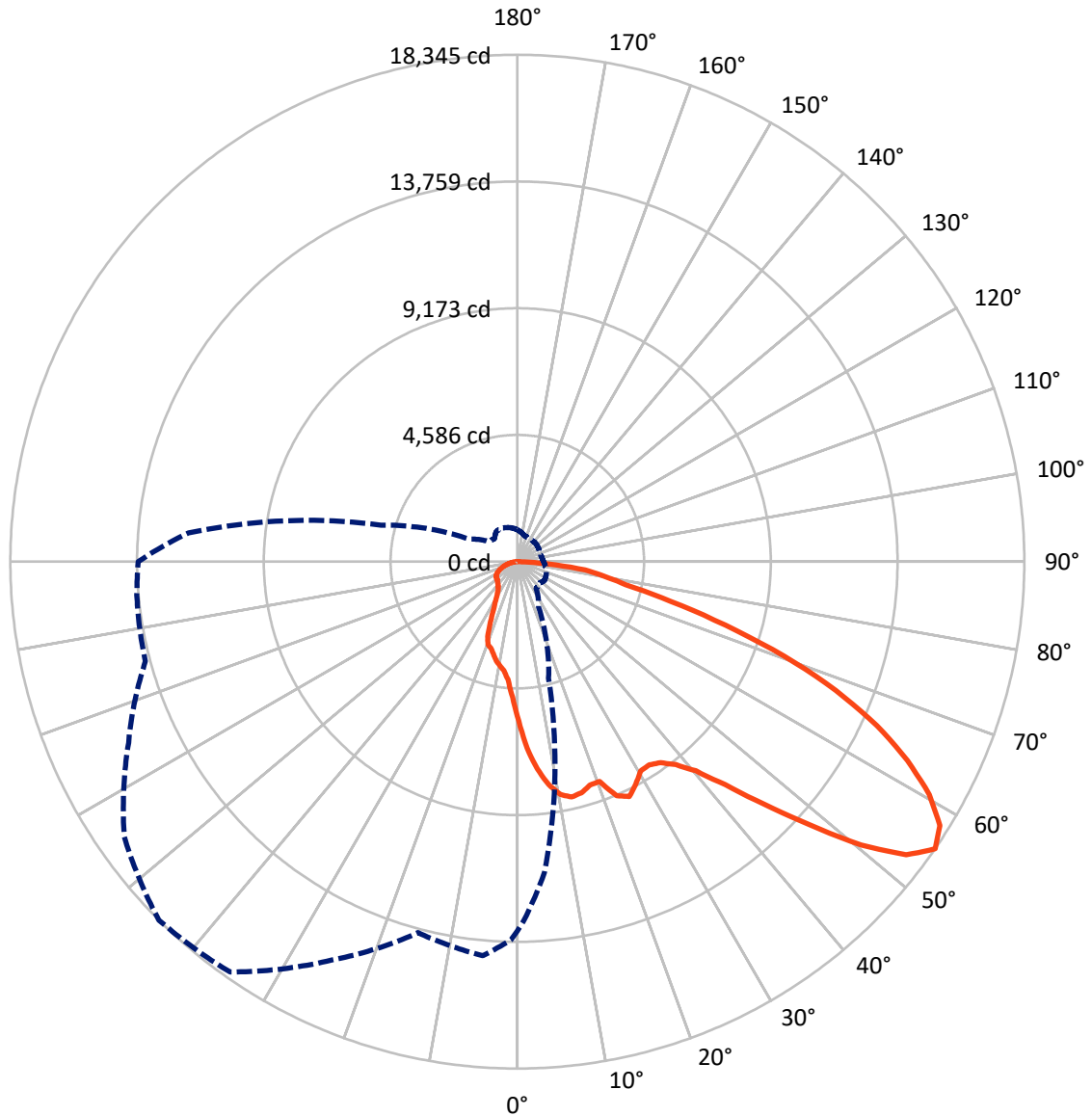
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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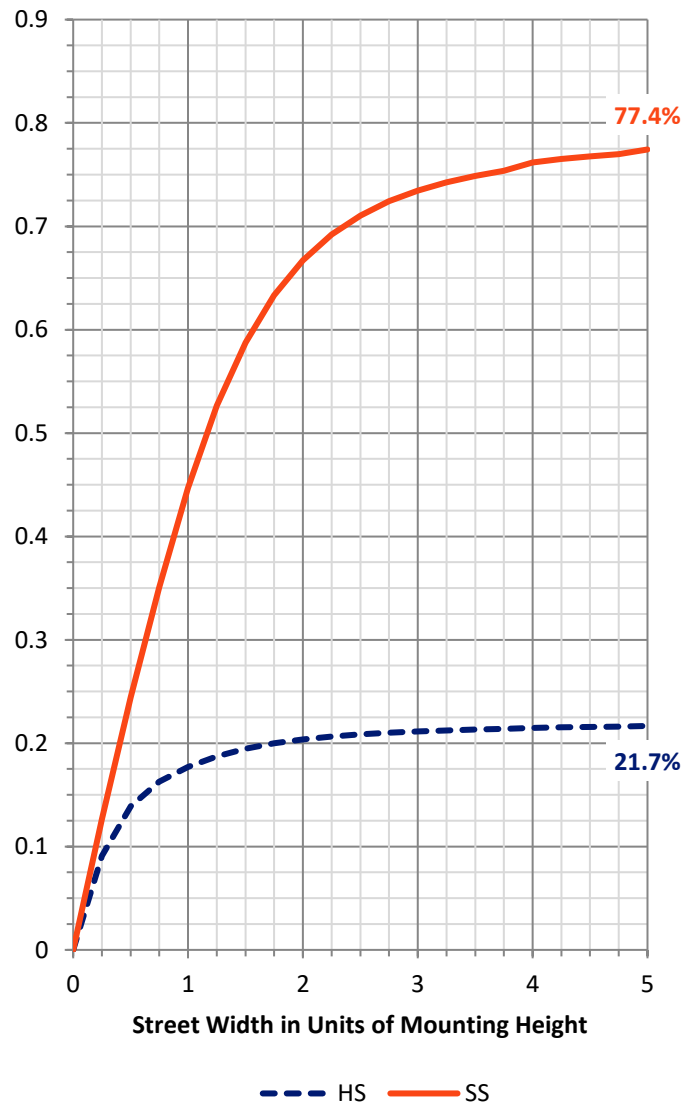
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5022.8	0.0	5022.8
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	17939.2	0.0	17939.2
	% Fixture	78.1	0.0	78.1
Total	Lumens	22962.0	0.0	22962.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	488.4	2.1
10°-20°	1295.7	5.6
20°-30°	2238.4	9.7
30°-40°	2601.4	11.3
40°-50°	3629.5	15.8
50°-60°	4924.8	21.4
60°-70°	4685.4	20.4
70°-80°	2531.2	11.0
80°-90°	567.3	2.5
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°	22962.0	100.0
0°-180°	22962.0	100.0



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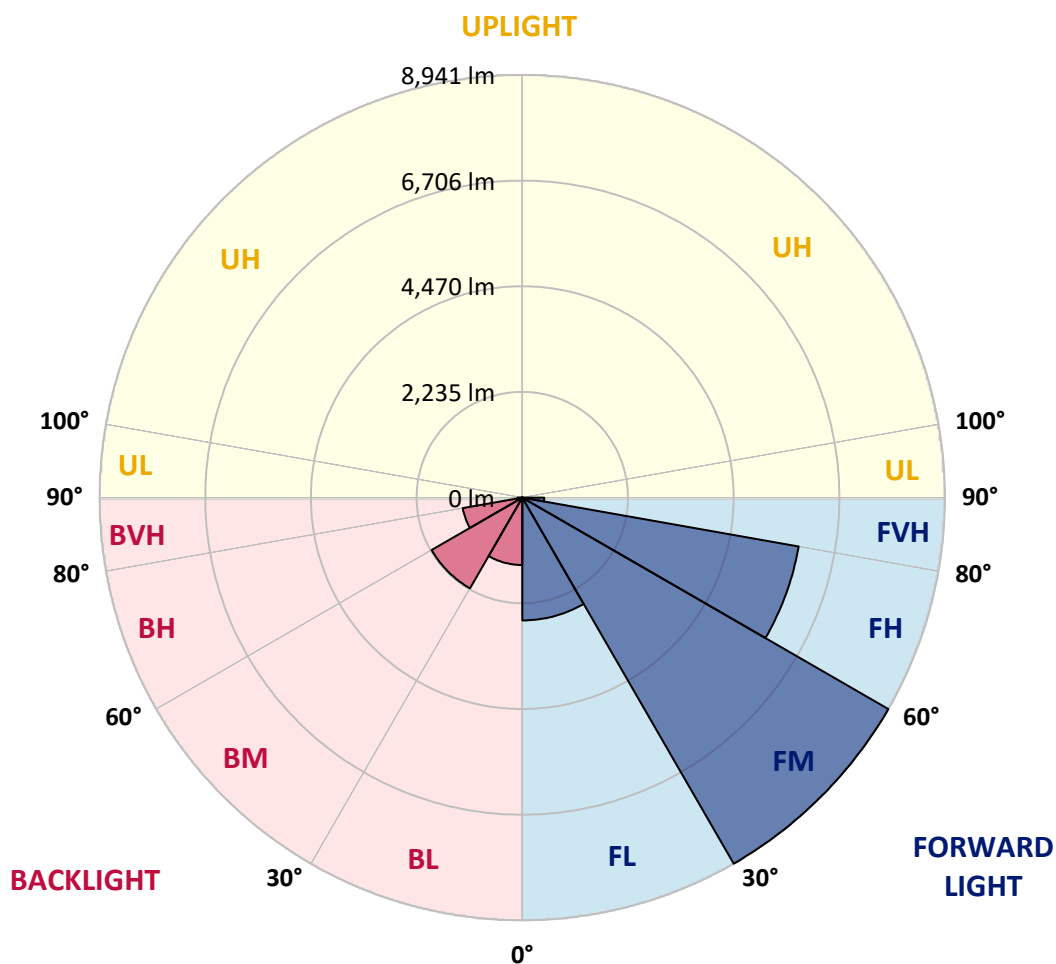
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2597.1	11.3			
FM (30°-60°)	8940.9	38.9			
FH (60°-80°)	5937.6	25.9			G3/7500
FVH (80°-90°)	463.6	2.0			G3/500
BL (0°-30°)	1425.5	6.2	B3/2500		
BM (30°-60°)	2214.7	9.6	B2/2500		
BH (60°-80°)	1278.9	5.6	B3/2500		G3/2500
BVH (80°-90°)	103.7	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5762.6	5762.6	5762.6	5762.6	5762.6	5762.6	5762.6	5762.6	5762.6	5762.6	5762.6
2.5°	6401.8	6377.6	6309.4	6130.7	5950.4	5767.1	5626.2	5450.5	5267.2	5168.7	5043.0
5°	6489.7	6462.4	6301.9	5898.9	5533.8	5150.6	4844.6	4576.4	4467.4	4306.8	4178.0
7.5°	6283.7	6271.6	6030.7	5452.0	4952.1	4450.7	4103.8	3888.7	3693.3	3620.5	3635.7
10°	6095.8	6047.4	5745.9	4990.0	4406.8	3999.3	3750.8	3540.3	3402.4	3366.0	3373.6
12.5°	5939.8	5874.7	5518.7	4679.4	4168.9	3843.2	3526.6	3307.0	3181.2	3216.1	3334.2
15°	5908.0	5820.1	5423.2	4573.4	4038.6	3619.0	3272.1	3019.1	2925.2	3001.0	3190.3
17.5°	6114.0	6003.4	5586.8	4608.2	3914.4	3390.3	2964.6	2675.3	2596.5	2717.7	2964.6
20°	6776.0	6612.4	6097.4	4809.7	3902.3	3276.7	2785.8	2495.0	2528.3	2758.6	3016.1
22.5°	8000.0	7754.6	6991.1	5103.6	3965.9	3247.9	2749.5	2598.0	2781.3	2976.7	3146.4
25°	8242.4	8050.0	7151.7	5170.3	3952.3	3228.2	2852.5	2928.2	3132.8	3229.7	3170.6
27.5°	8378.7	8159.1	7141.1	4840.0	3534.2	2928.2	2726.8	2852.5	2904.0	2810.1	2649.5
30°	8696.9	8468.1	7321.4	4493.1	2910.1	2172.3	1904.2	1852.7	1887.5	1905.7	1848.1
32.5°	9134.7	8908.9	7660.7	4265.9	2516.2	1796.6	1533.0	1460.3	1443.7	1424.0	1401.3
35°	9701.2	9354.3	7994.0	4120.4	2354.1	1661.8	1419.4	1363.4	1340.7	1313.4	1289.2
37.5°	10276.9	9913.3	8415.1	3967.4	2246.6	1567.9	1343.7	1317.9	1278.6	1249.8	1214.9
40°	10888.9	10481.4	8798.4	3834.1	2142.0	1507.3	1289.2	1286.1	1234.6	1201.3	1160.4
42.5°	11419.1	10999.5	9140.7	3752.3	2061.7	1443.7	1255.8	1264.9	1211.9	1161.9	1108.9
45°	11840.2	11428.2	9457.3	3752.3	1996.6	1380.0	1249.8	1243.7	1190.7	1128.6	1068.0
47.5°	12209.9	11784.2	9766.4	3847.8	1955.7	1327.0	1216.4	1227.0	1172.5	1093.7	1034.7
50°	12496.2	12120.5	10183.0	3996.2	1914.8	1284.6	1174.0	1231.6	1157.4	1075.6	1007.4
52.5°	12861.2	12524.9	10684.4	4199.2	1880.0	1237.6	1136.2	1231.6	1155.8	1077.1	1002.8
55°	13367.2	13012.7	11288.8	4367.4	1823.9	1193.7	1102.8	1196.7	1151.3	1069.5	990.7
57.5°	13721.7	13456.6	11716.0	4479.5	1743.6	1137.7	1072.5	1163.4	1131.6	1040.7	954.4
58°	13738.4	13479.3	11778.1	4505.2	1723.9	1127.1	1065.0	1148.3	1122.5	1028.6	942.2
60°	13547.5	13324.8	11790.2	4468.9	1611.8	1074.0	1025.6	1086.2	1074.0	957.4	877.1
62.5°	12853.7	12615.8	11300.9	4173.5	1463.4	1008.9	965.0	1002.8	975.6	857.4	783.2
65°	11867.5	11429.7	10295.1	3709.9	1357.3	939.2	883.2	886.2	857.4	772.6	707.4
67.5°	10554.1	10064.8	8716.6	3126.7	1277.0	862.0	786.2	778.6	743.8	689.3	636.2
70°	8937.7	8602.9	7083.5	2543.5	1187.7	777.1	677.1	672.6	651.4	610.5	563.5
72.5°	7244.1	6818.4	5720.1	2036.0	1078.6	695.3	575.7	584.7	557.5	528.7	486.3
75°	5346.0	5067.2	4421.9	1633.0	931.6	605.9	480.2	483.2	471.1	440.8	407.5
77.5°	3520.6	3437.2	3163.0	1072.5	716.5	481.7	392.4	395.4	386.3	359.0	324.2
80°	2369.3	2313.2	2143.5	690.8	478.7	348.4	303.0	306.0	304.5	275.7	228.7
82.5°	1460.3	1436.1	1381.6	466.6	331.8	250.0	200.0	209.1	225.7	193.9	156.0
85°	689.3	690.8	834.7	254.5	195.4	160.6	109.1	116.6	116.6	116.6	87.9
87.5°	89.4	93.9	115.1	107.6	71.2	60.6	39.4	33.3	28.8	37.9	27.3
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°	5762.6	5762.6	5762.6	5762.6	5762.6	5762.6	5762.6	5762.6	5762.6	5762.6	5762.6
2.5°	4999.1	4968.8	4903.6	4888.5	4879.4	4905.1	4837.0	4855.2	4824.9	4909.7	4896.1
5°	4185.6	4188.6	4241.6	4276.5	4288.6	4276.5	4231.0	4152.3	4091.7	4067.4	4073.5
7.5°	3606.9	3659.9	3750.8	3852.3	3944.7	3972.0	3946.2	3796.3	3632.7	3529.6	3496.3
10°	3414.5	3485.7	3590.2	3670.5	3752.3	3817.5	3831.1	3714.5	3520.6	3276.7	3181.2
12.5°	3425.1	3522.1	3622.1	3647.8	3640.2	3666.0	3653.9	3634.2	3506.9	3196.4	3037.3
15°	3325.1	3440.3	3510.0	3496.3	3472.1	3449.4	3417.5	3367.6	3322.1	3104.0	2928.2
17.5°	3094.9	3213.0	3270.6	3275.1	3275.1	3269.1	3191.8	3173.7	3167.6	3061.6	2954.0
20°	3137.3	3202.4	3176.7	3134.3	3146.4	3187.3	3141.8	3132.8	3167.6	3214.6	3194.9
22.5°	3161.5	3138.8	2944.9	2757.1	2714.6	2841.9	2867.6	2969.1	3110.0	3279.7	3390.3
25°	3011.6	2828.3	2481.4	2269.3	2149.6	2267.8	2422.3	2610.1	2820.7	3038.8	3167.6
27.5°	2517.7	2378.3	2129.9	1939.0	1834.5	1852.7	1984.5	2155.7	2351.1	2498.0	2591.9
30°	1896.6	1834.5	1705.7	1640.6	1577.0	1561.8	1617.9	1683.0	1769.4	1787.5	1811.8
32.5°	1396.7	1387.6	1395.2	1374.0	1361.9	1360.4	1343.7	1358.8	1367.9	1378.5	1357.3
35°	1263.4	1251.3	1230.1	1224.0	1216.4	1219.5	1211.9	1204.3	1210.4	1219.5	1225.5
37.5°	1195.2	1177.1	1146.8	1136.2	1136.2	1140.7	1128.6	1125.5	1136.2	1164.9	1180.1
40°	1142.2	1121.0	1086.2	1072.5	1081.6	1093.7	1077.1	1071.0	1096.8	1127.1	1151.3
42.5°	1092.2	1075.6	1042.2	1027.1	1034.7	1057.4	1033.1	1028.6	1061.9	1095.3	1124.0
45°	1049.8	1033.1	1002.8	995.3	998.3	1019.5	1002.8	1002.8	1034.7	1071.0	1096.8
47.5°	1016.5	995.3	975.6	969.5	972.5	984.7	981.6	981.6	1011.9	1049.8	1075.6
50°	983.2	965.0	939.2	942.2	949.8	966.5	965.0	969.5	999.8	1046.8	1074.0
52.5°	968.0	940.7	912.0	915.0	937.7	957.4	951.3	955.9	990.7	1078.6	1118.0
55°	951.3	915.0	881.7	886.2	912.0	940.7	933.2	939.2	980.1	1099.8	1154.3
57.5°	919.5	877.1	840.8	843.8	881.7	912.0	899.8	907.4	955.9	1077.1	1134.6
58°	905.9	869.5	834.7	836.2	872.6	905.9	892.3	898.3	948.3	1071.0	1125.5
60°	848.3	827.1	796.8	798.3	833.2	862.0	854.4	860.4	908.9	1027.1	1068.0
62.5°	769.6	757.4	749.9	749.9	771.1	798.3	805.9	813.5	857.4	928.6	965.0
65°	684.7	684.7	686.2	686.2	699.9	734.7	739.3	758.9	799.9	834.7	862.0
67.5°	627.2	624.1	627.2	619.6	625.6	646.8	669.6	687.8	730.2	754.4	763.5
70°	552.9	551.4	552.9	542.3	549.9	568.1	583.2	613.5	657.5	675.6	680.2
72.5°	480.2	480.2	483.2	475.7	475.7	495.4	506.0	539.3	580.2	590.8	592.3
75°	404.5	409.0	409.0	398.4	401.4	413.6	427.2	454.5	492.3	499.9	499.9
77.5°	321.2	337.8	337.8	327.2	331.8	333.3	351.4	365.1	393.9	396.9	384.8
80°	233.3	250.0	263.6	254.5	262.1	253.0	263.6	272.7	301.5	287.8	268.1
82.5°	166.6	178.8	189.4	190.9	183.3	166.6	180.3	181.8	195.4	177.2	166.6
85°	92.4	103.0	116.6	110.6	98.5	87.9	92.4	95.4	93.9	89.4	83.3
87.5°	24.2	25.8	28.8	21.2	19.7	16.7	22.7	22.7	25.8	27.3	25.8
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	5762.6	5762.6	5762.6	5762.6	5762.6	5762.6	5762.6	5762.6	5762.6	5762.6	5762.6
2.5°	4906.7	4973.3	5117.2	5226.3	5359.6	5521.7	5712.6	5905.0	6112.5	6177.6	6268.5
5°	4059.9	4226.5	4296.2	4494.6	4691.6	4987.0	5302.0	5667.1	6067.1	6259.4	6444.3
7.5°	3469.1	3558.4	3631.1	3776.6	4012.9	4371.9	4767.3	5223.3	5789.8	6070.1	6341.2
10°	3150.9	3160.0	3249.4	3429.7	3635.7	3952.3	4326.5	4837.0	5468.7	5809.5	6127.6
12.5°	2940.4	2901.0	2997.9	3185.8	3419.1	3711.4	4055.3	4541.6	5236.9	5586.8	5971.6
15°	2755.5	2693.4	2766.2	2958.5	3188.8	3532.7	3902.3	4417.4	5146.0	5553.5	5980.7
17.5°	2760.1	2588.9	2614.7	2776.8	3005.5	3355.4	3803.8	4412.8	5283.9	5753.5	6259.4
20°	3100.9	2826.7	2710.1	2740.4	2961.6	3343.3	3849.3	4624.9	5736.8	6421.5	6962.3
22.5°	3435.7	3270.6	3082.8	3020.7	3141.8	3541.8	4138.6	5126.3	6721.5	7753.1	8730.2
25°	3319.1	3460.0	3413.0	3325.1	3352.4	3684.2	4335.6	5538.4	7486.5	8648.4	9566.4
27.5°	2655.6	2911.6	2963.1	2961.6	2972.2	3244.9	3899.3	5261.1	7581.9	8819.6	9696.7
30°	1866.3	1889.0	1916.3	1969.3	2017.8	2261.7	3050.9	4618.8	7539.5	8896.8	9775.5
32.5°	1346.7	1377.0	1414.9	1487.6	1602.7	1913.3	2669.2	4414.3	7763.7	9216.5	10005.7
35°	1231.6	1266.4	1302.8	1386.1	1495.2	1783.0	2517.7	4329.5	8131.8	9734.6	10419.3
37.5°	1195.2	1234.6	1266.4	1327.0	1414.9	1689.1	2379.9	4271.9	8509.0	10282.9	10973.7
40°	1169.5	1214.9	1240.7	1289.2	1349.7	1602.7	2257.2	4226.5	8874.1	10784.4	11419.1
42.5°	1146.8	1193.7	1227.0	1261.9	1311.9	1525.5	2148.1	4181.0	9190.7	11270.6	11862.9
45°	1119.5	1178.6	1221.0	1248.3	1292.2	1460.3	2064.8	4144.7	9551.3	11702.4	12311.3
47.5°	1096.8	1161.9	1214.9	1246.7	1263.4	1414.9	1998.1	4194.7	9984.5	12153.8	12727.9
50°	1098.3	1160.4	1227.0	1277.0	1233.1	1377.0	1957.2	4393.1	10548.0	12690.1	13056.7
52.5°	1146.8	1222.5	1275.5	1287.6	1190.7	1331.6	1936.0	4740.0	11214.6	13164.2	13388.4
55°	1201.3	1280.1	1337.6	1330.1	1168.0	1274.0	1931.5	5109.7	11944.7	13717.1	13820.2
57.5°	1181.6	1296.7	1384.6	1345.2	1169.5	1218.0	1911.8	5408.1	12555.2	14130.7	14247.4
58°	1175.5	1290.7	1390.7	1342.2	1164.9	1201.3	1907.2	5433.8	12640.1	14159.5	14307.9
60°	1116.5	1237.6	1386.1	1319.5	1139.2	1155.8	1857.2	5517.2	12617.4	14011.0	14344.3
62.5°	1008.9	1108.9	1281.6	1208.9	1060.4	1095.3	1745.1	5414.1	12002.3	13296.0	13812.6
65°	887.7	961.9	1077.1	1063.4	948.3	1033.1	1592.1	5006.6	10770.7	12135.6	12679.5
67.5°	796.8	857.4	930.1	910.4	852.9	949.8	1427.0	4317.4	9389.2	10741.9	11426.7
70°	704.4	751.4	787.7	774.1	755.9	868.0	1280.1	3503.9	8065.2	9417.9	10081.5
72.5°	610.5	654.4	684.7	665.0	654.4	781.7	1160.4	2719.2	6370.0	7769.8	8622.6
75°	510.5	554.4	575.7	552.9	546.9	689.3	983.2	2031.4	4779.4	5989.8	6726.0
77.5°	395.4	442.3	469.6	462.0	465.1	566.6	793.8	1390.7	3417.5	4082.6	4858.2
80°	277.2	328.7	346.9	339.3	360.5	431.7	560.5	883.2	2357.1	2649.5	3196.4
82.5°	171.2	219.7	222.7	230.3	245.4	319.6	422.6	537.8	1480.0	1530.0	1926.9
85°	86.3	104.5	112.1	124.2	137.9	195.4	240.9	333.3	952.9	721.1	1077.1
87.5°	28.8	30.3	36.4	45.4	56.1	80.3	103.0	136.3	236.3	130.3	333.3
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°	5762.6	5762.6	5762.6	5762.6	5762.6	5762.6	5762.6	5762.6	5762.6	5762.6
2.5°	6451.8	6580.6	6674.5	6760.9	6677.5	6670.0	6588.2	6456.4	6401.8	6401.8
5°	6832.1	7133.5	7377.4	7533.4	7466.8	7306.2	7041.1	6703.3	6521.5	6489.7
7.5°	6936.6	7531.9	7984.9	8145.5	8033.4	7678.9	7171.4	6601.8	6341.2	6283.7
10°	6873.0	7647.1	8312.1	8566.6	8410.6	7874.3	7182.0	6483.6	6162.5	6095.8
12.5°	6806.3	7662.2	8372.7	8740.8	8639.3	8031.8	7259.3	6406.4	6035.2	5939.8
15°	6854.8	7668.3	8298.5	8678.7	8743.8	8221.2	7386.5	6462.4	6009.5	5908.0
17.5°	7160.8	7783.4	8192.4	8499.9	8728.7	8478.7	7748.6	6730.6	6239.7	6114.0
20°	7800.1	8059.1	8253.0	8490.8	8859.0	9004.4	8489.3	7466.8	6886.6	6776.0
22.5°	9651.2	9604.3	9207.4	9202.8	9736.1	10319.3	10284.5	8963.5	8090.9	8000.0
25°	10345.0	10126.9	9552.8	9413.4	9648.2	10548.0	10417.8	9269.5	8463.6	8242.4
27.5°	10073.9	9533.1	9155.9	9124.1	9046.8	9896.6	10210.2	9393.7	8593.9	8378.7
30°	10057.2	9261.9	8722.6	8786.2	8860.5	9672.4	10325.4	9783.0	8927.1	8696.9
32.5°	10098.1	9299.8	8754.4	8766.6	8987.7	9705.8	10452.6	10207.2	9364.9	9134.7
35°	10263.2	9514.9	8957.4	8928.6	9274.0	9923.9	10669.2	10873.7	9963.3	9701.2
37.5°	10529.9	9943.6	9328.6	9321.0	9822.4	10317.8	10938.9	11546.3	10558.6	10276.9
40°	10922.2	10445.0	9989.1	9948.2	10567.7	10958.6	11288.8	12262.9	11250.9	10888.9
42.5°	11396.4	11046.4	10860.1	11022.2	11617.5	11678.1	11834.2	12924.9	11840.2	11419.1
45°	11835.7	11819.0	12078.1	12508.3	12855.2	12491.6	12403.8	13368.7	12297.7	11840.2
47.5°	12358.3	12809.7	13591.4	14221.6	14585.2	13438.4	12890.0	13658.1	12631.0	12209.9
50°	12888.5	13995.9	15244.1	16122.8	16200.0	14467.0	13224.8	13930.7	12934.0	12496.2
52.5°	13446.0	14942.7	16604.5	17625.5	17475.5	15362.3	13549.0	14115.6	13246.0	12861.2
55°	13930.7	15522.9	17365.0	18345.1	18125.4	15907.6	13898.9	14315.5	13691.4	13367.2
57.5°	14201.9	15571.3	17175.6	18031.5	17793.7	15801.6	14059.5	14464.0	13976.2	13721.7
58°	14241.3	15506.2	17007.4	17849.7	17607.3	15712.2	14058.0	14457.9	13994.4	13738.4
60°	14206.4	15083.6	16381.8	17131.7	16877.2	15151.7	14000.4	14344.3	13764.1	13547.5
62.5°	13883.8	14350.4	15301.7	15847.1	15774.3	14276.1	13764.1	13915.6	13062.7	12853.7
65°	13459.6	13350.5	13918.6	14304.9	14359.5	13620.2	13529.3	12988.5	12162.9	11867.5
67.5°	12944.6	12217.4	12215.9	12435.6	12526.5	12611.3	13040.0	11981.1	10866.2	10554.1
70°	12070.5	10470.8	9989.1	10248.1	10172.4	10888.9	12165.9	10566.2	9302.8	8937.7
72.5°	10467.8	8309.1	7538.0	7871.3	7680.4	8539.3	10645.0	8695.4	7692.5	7244.1
75°	8484.8	6215.5	5420.2	5726.2	5608.0	6477.6	8857.4	6315.5	5517.2	5346.0
77.5°	6588.2	4503.7	4041.7	3999.3	4087.1	4820.3	6497.3	4264.4	3637.2	3520.6
80°	4232.5	3223.6	3250.9	3196.4	3241.8	3038.8	3944.7	2720.7	2463.2	2369.3
82.5°	2785.8	2246.6	2678.3	2472.3	2348.0	2043.6	2587.4	1781.5	1511.8	1460.3
85°	1898.1	1654.2	1505.8	1151.3	1355.8	1573.9	1940.5	958.9	760.5	689.3
87.5°	857.4	575.7	422.6	260.6	412.0	475.7	942.2	112.1	86.3	89.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)