

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: P652016

Luminaire Tested: **GALN-SA7A-840-U-SLR**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P652016
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-840-U-SLR
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 80 CRI, 4000K, 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: 23090.5 lumens
Efficiency: N/A
Efficacy: 107.4 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

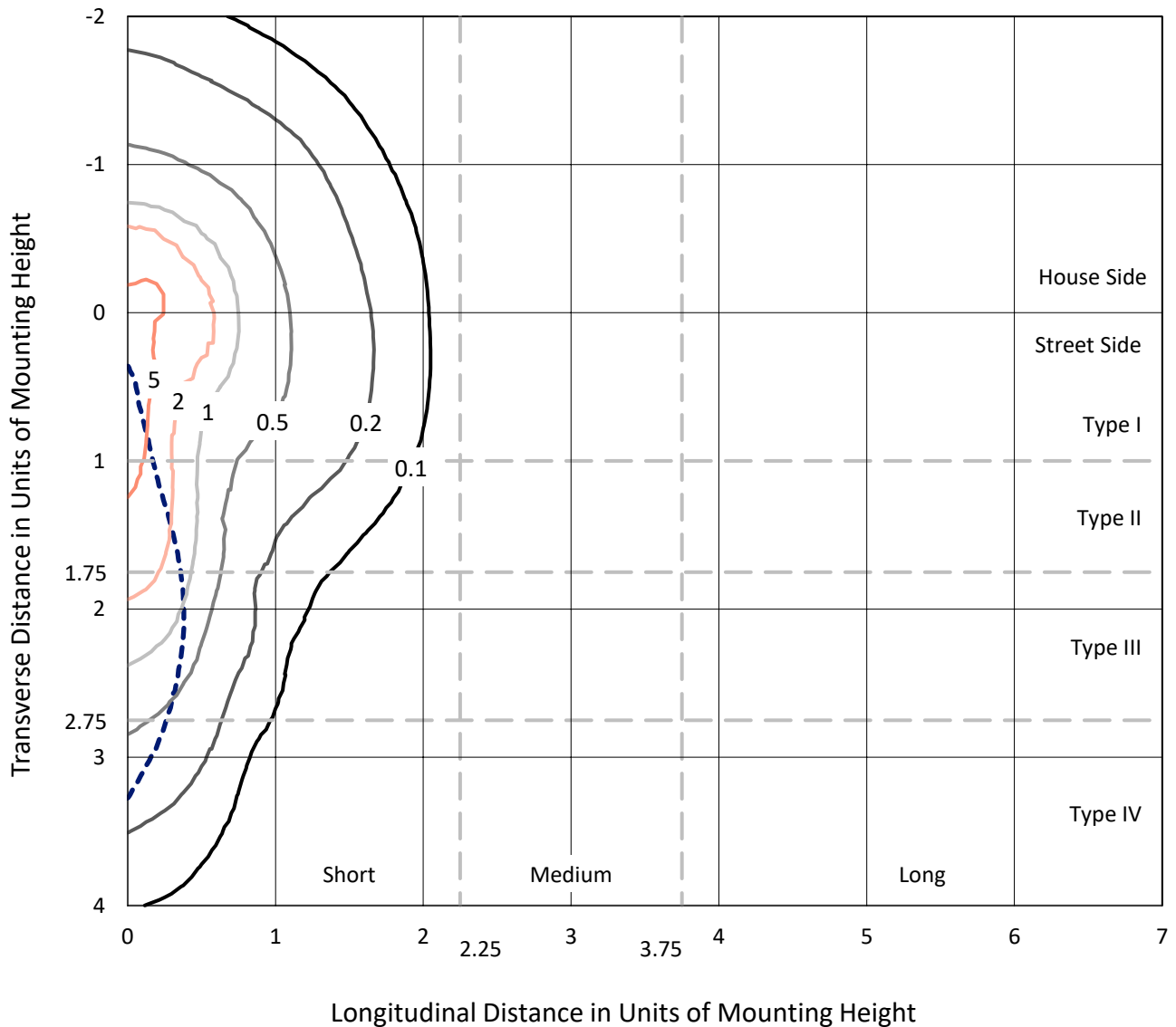




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Iso-Footcandle Lines of Horizontal Illumination

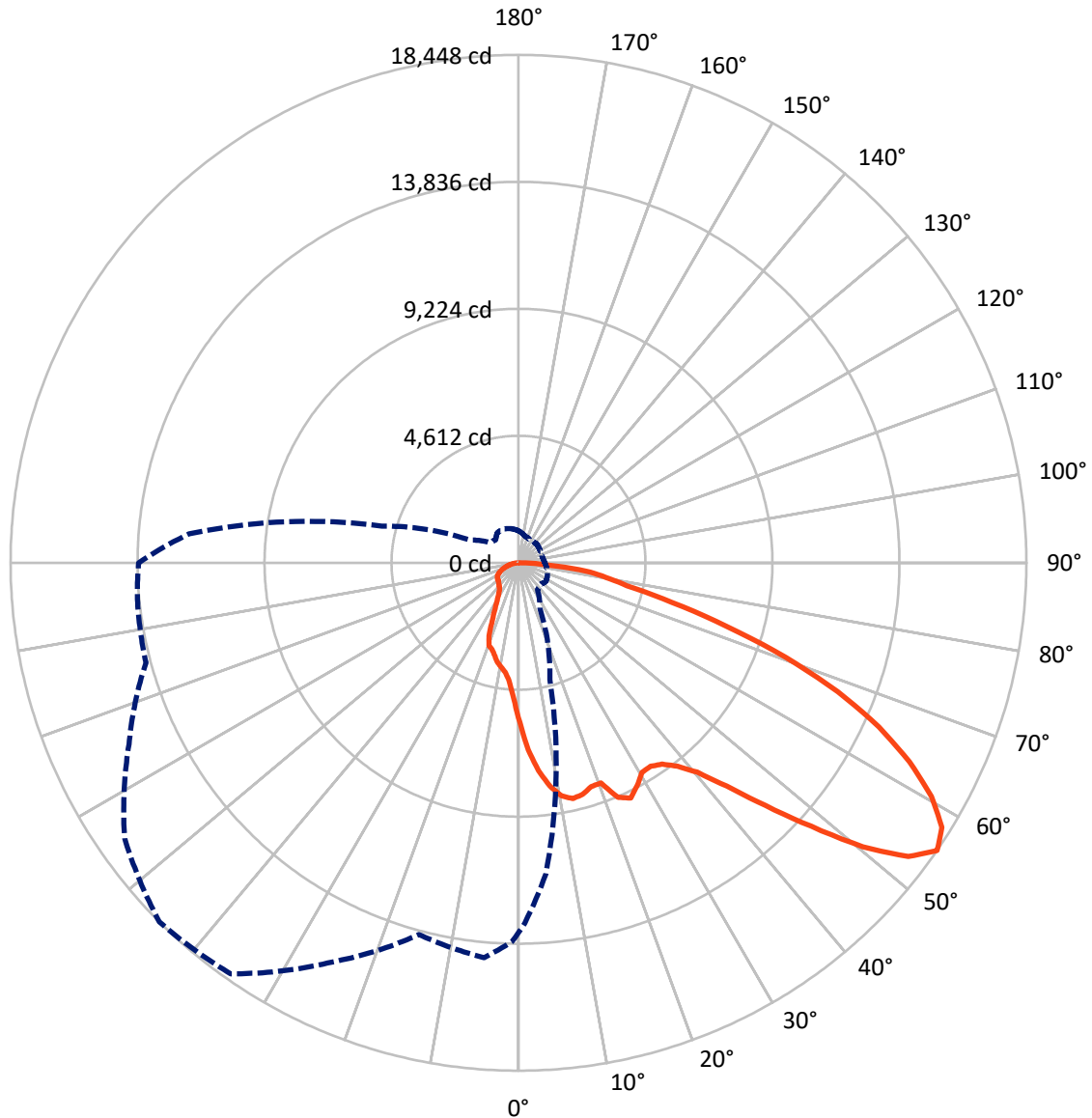
× Max cd
 - - - 1/2 Max cd



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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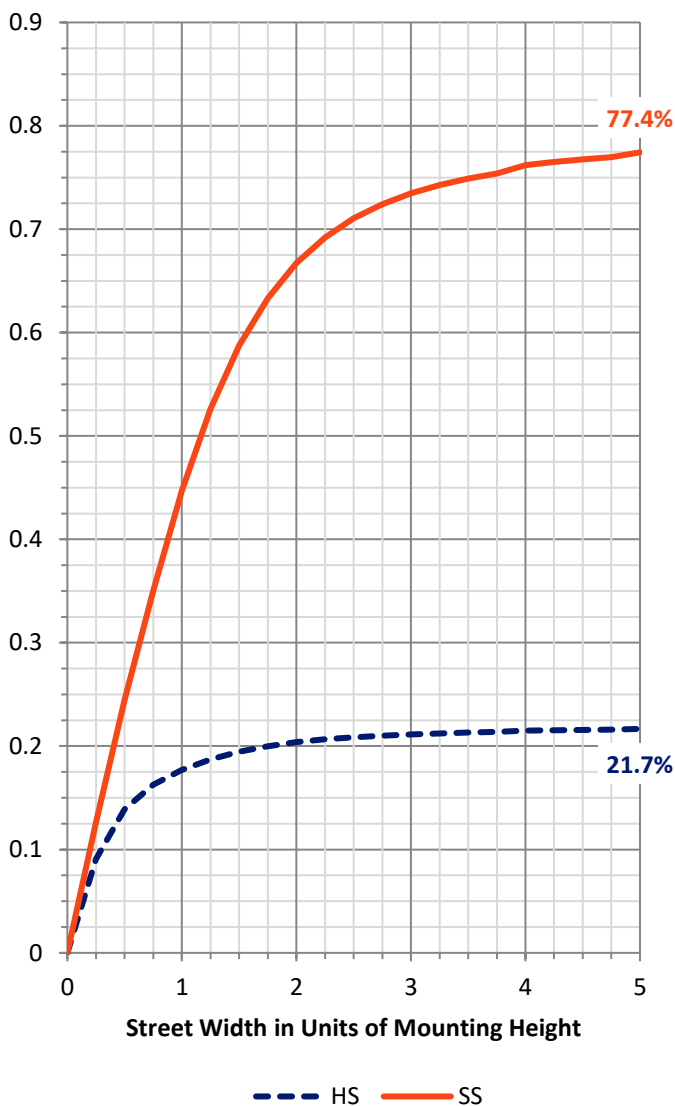
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5050.9	0.0	5050.9
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	18039.6	0.0	18039.6
	% Fixture	78.1	0.0	78.1
Total	Lumens	23090.5	0.0	23090.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	491.1	2.1
10°-20°	1303.0	5.6
20°-30°	2250.9	9.7
30°-40°	2616.0	11.3
40°-50°	3649.8	15.8
50°-60°	4952.4	21.4
60°-70°	4711.6	20.4
70°-80°	2545.3	11.0
80°-90°	570.4	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°	23090.5	100.0
0°-180°	23090.5	100.0

Coefficient of Utilization



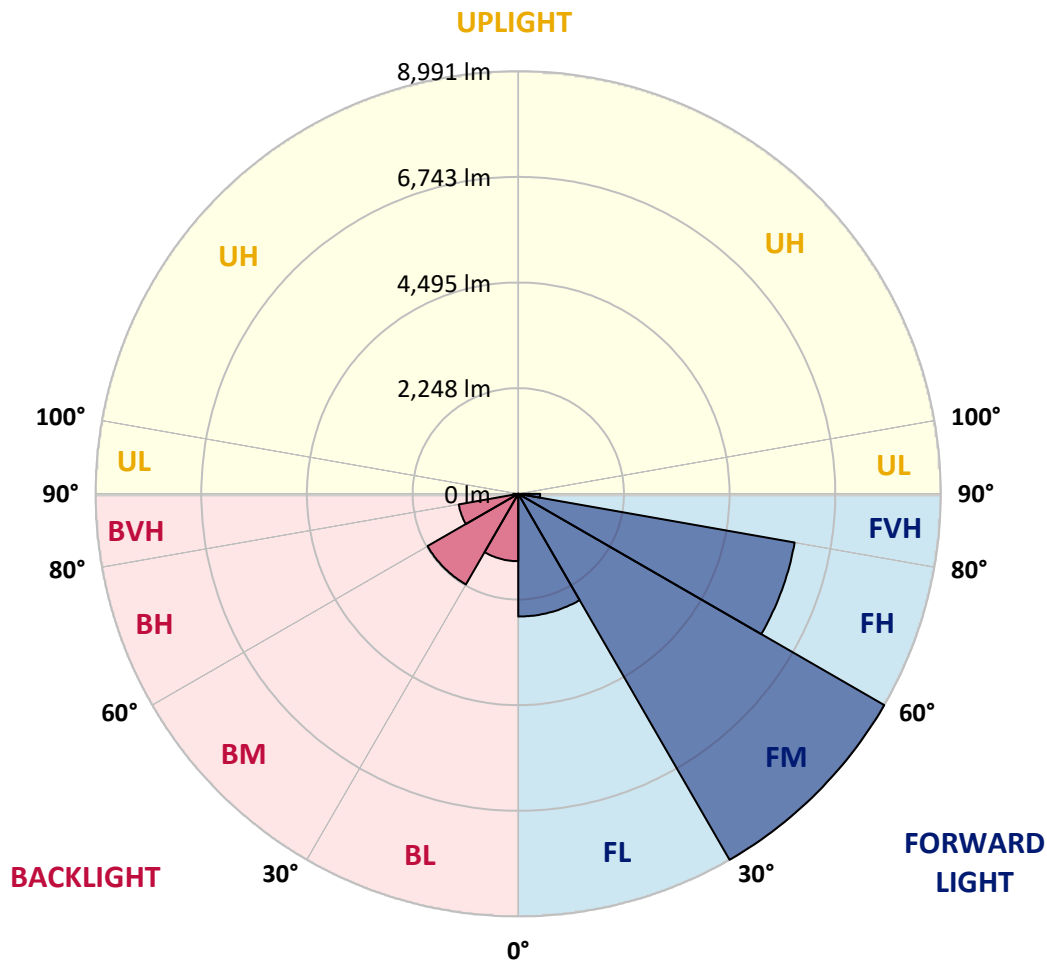
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2611.6	11.3			
FM (30°-60°)	8991.0	38.9			
FH (60°-80°)	5970.8	25.9			G3/7500
FVH (80°-90°)	466.2	2.0			G3/500
BL (0°-30°)	1433.5	6.2	B3/2500		
BM (30°-60°)	2227.1	9.6	B2/2500		
BH (60°-80°)	1286.1	5.6	B3/2500		G3/2500
BVH (80°-90°)	104.2	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°	5794.8	5794.8	5794.8	5794.8	5794.8	5794.8	5794.8	5794.8	5794.8	5794.8	5794.8
2.5°	6437.7	6413.3	6344.8	6165.0	5983.7	5799.4	5657.7	5481.0	5296.7	5197.6	5071.2
5°	6526.0	6498.6	6337.1	5931.9	5564.8	5179.4	4871.7	4602.0	4492.4	4330.9	4201.4
7.5°	6318.9	6306.7	6064.5	5482.6	4979.8	4475.6	4126.8	3910.4	3713.9	3640.8	3656.0
10°	6130.0	6081.2	5778.1	5017.9	4431.4	4021.7	3771.8	3560.0	3421.4	3384.9	3392.5
12.5°	5973.0	5907.5	5549.6	4705.6	4192.2	3864.7	3546.3	3325.5	3199.0	3234.1	3352.9
15°	5941.1	5852.7	5453.5	4599.0	4061.3	3639.3	3290.4	3036.0	2941.6	3017.8	3208.2
17.5°	6148.2	6037.0	5618.1	4634.0	3936.3	3409.2	2981.2	2690.2	2611.1	2732.9	2981.2
20°	6814.0	6649.5	6131.5	4836.6	3924.1	3295.0	2801.5	2509.0	2542.4	2774.0	3033.0
22.5°	8044.8	7798.0	7030.3	5132.1	3988.1	3266.0	2764.9	2612.6	2796.8	2993.4	3164.0
25°	8288.6	8095.0	7191.7	5199.1	3974.4	3246.3	2868.5	2944.6	3150.3	3247.8	3188.4
27.5°	8425.6	8204.7	7181.0	4867.1	3554.0	2944.6	2742.0	2868.5	2920.3	2825.8	2664.4
30°	8745.6	8515.5	7362.4	4518.3	2926.3	2184.5	1914.9	1863.1	1898.1	1916.4	1858.4
32.5°	9185.8	8958.8	7703.6	4289.8	2530.3	1806.7	1541.6	1468.5	1451.7	1432.0	1409.1
35°	9755.5	9406.7	8038.7	4143.5	2367.2	1671.2	1427.3	1371.0	1348.1	1320.7	1296.4
37.5°	10334.4	9968.8	8462.2	3989.6	2259.1	1576.6	1351.2	1325.3	1285.7	1256.8	1221.7
40°	10949.8	10540.0	8847.6	3855.6	2154.1	1515.7	1296.4	1293.3	1241.6	1208.0	1166.9
42.5°	11483.0	11061.0	9191.9	3773.3	2073.3	1451.7	1262.8	1272.0	1218.7	1168.4	1115.1
45°	11906.5	11492.1	9510.3	3773.3	2007.8	1387.7	1256.8	1250.7	1197.3	1134.9	1074.0
47.5°	12278.2	11850.1	9821.0	3869.3	1966.7	1334.4	1223.2	1233.9	1179.1	1099.9	1040.5
50°	12566.1	12188.3	10239.9	4018.6	1925.5	1291.8	1180.6	1238.5	1163.9	1081.6	1013.0
52.5°	12933.2	12595.1	10744.2	4222.7	1890.5	1244.6	1142.5	1238.5	1162.3	1083.1	1008.4
55°	13442.0	13085.5	11352.0	4391.8	1834.1	1200.4	1109.0	1203.5	1157.7	1075.5	996.2
57.5°	13798.5	13531.9	11781.6	4504.6	1753.4	1144.0	1078.5	1169.9	1138.0	1046.5	959.7
58°	13815.3	13554.7	11844.1	4530.5	1733.6	1133.3	1070.9	1154.7	1128.8	1034.3	947.6
60°	13623.3	13399.4	11856.2	4493.9	1620.9	1080.0	1031.3	1092.2	1080.0	962.8	882.0
62.5°	12925.6	12686.4	11364.2	4196.8	1471.6	1014.6	970.3	1008.4	981.0	862.2	787.6
65°	11933.9	11493.7	10352.6	3730.7	1364.9	944.4	888.1	891.1	862.2	776.9	711.4
67.5°	10613.2	10121.1	8765.3	3144.2	1284.2	866.8	790.6	783.0	748.0	693.2	639.8
70°	8987.8	8651.1	7123.2	2557.7	1194.3	781.5	681.0	676.3	655.1	613.9	566.7
72.5°	7284.7	6856.6	5752.2	2047.4	1084.6	699.2	578.9	588.0	560.6	531.7	489.0
75°	5375.9	5095.6	4446.6	1642.1	936.9	609.3	482.9	485.9	473.7	443.3	409.8
77.5°	3540.3	3456.5	3180.7	1078.5	720.6	484.4	394.5	397.6	388.5	361.0	326.0
80°	2382.6	2326.1	2155.6	694.7	481.4	350.4	304.7	307.7	306.2	277.3	230.0
82.5°	1468.5	1444.2	1389.3	469.2	333.6	251.4	201.1	210.2	227.0	195.0	156.9
85°	693.2	694.7	839.4	255.9	196.5	161.5	109.7	117.3	117.3	117.3	88.4
87.5°	89.9	94.4	115.8	108.2	71.6	61.0	39.6	33.5	28.9	38.1	27.4
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5794.8	5794.8	5794.8	5794.8	5794.8	5794.8	5794.8	5794.8	5794.8	5794.8	5794.8
2.5°	5027.1	4996.5	4931.0	4915.8	4906.7	4932.6	4864.0	4882.3	4851.9	4937.2	4923.5
5°	4209.0	4212.1	4265.4	4300.4	4312.6	4300.4	4254.7	4175.5	4114.6	4090.2	4096.3
7.5°	3627.1	3680.4	3771.8	3873.9	3966.8	3994.2	3968.3	3817.5	3653.0	3549.4	3515.9
10°	3433.6	3505.2	3610.3	3691.1	3773.3	3838.8	3852.5	3735.2	3540.3	3295.0	3199.0
12.5°	3444.3	3541.8	3642.3	3668.2	3660.6	3686.5	3674.3	3654.5	3526.6	3214.3	3054.3
15°	3343.7	3459.5	3529.6	3515.9	3491.5	3468.6	3436.7	3386.4	3340.7	3121.4	2944.6
17.5°	3112.2	3231.0	3288.9	3293.4	3293.4	3287.4	3209.7	3191.4	3185.3	3078.6	2970.5
20°	3154.8	3220.4	3194.5	3151.8	3164.0	3205.1	3159.4	3150.3	3185.3	3232.6	3212.7
22.5°	3179.2	3156.4	2961.4	2772.5	2729.8	2857.8	2883.7	2985.8	3127.4	3298.1	3409.2
25°	3028.4	2844.1	2495.2	2282.0	2161.6	2280.5	2435.9	2624.8	2836.4	3055.9	3185.3
27.5°	2531.8	2391.6	2141.9	1949.9	1844.7	1863.1	1995.6	2167.8	2364.2	2512.0	2606.4
30°	1907.2	1844.7	1715.3	1649.8	1585.8	1570.6	1626.9	1692.4	1779.3	1797.6	1821.9
32.5°	1404.6	1395.4	1403.0	1381.7	1369.5	1368.0	1351.2	1366.5	1375.6	1386.2	1364.9
35°	1270.5	1258.3	1236.9	1230.9	1223.2	1226.3	1218.7	1211.0	1217.2	1226.3	1232.4
37.5°	1202.0	1183.6	1153.2	1142.5	1142.5	1147.0	1134.9	1131.8	1142.5	1171.4	1186.7
40°	1148.6	1127.3	1092.2	1078.5	1087.7	1099.9	1083.1	1077.0	1102.9	1133.3	1157.7
42.5°	1098.3	1081.6	1048.1	1032.8	1040.5	1063.3	1038.9	1034.3	1067.9	1101.4	1130.3
45°	1055.7	1038.9	1008.4	1000.9	1003.9	1025.2	1008.4	1008.4	1040.5	1077.0	1102.9
47.5°	1022.2	1000.9	981.0	975.0	978.0	990.2	987.2	987.2	1017.6	1055.7	1081.6
50°	988.7	970.3	944.4	947.6	955.1	971.9	970.3	975.0	1005.4	1052.6	1080.0
52.5°	973.5	946.0	917.0	920.1	942.9	962.8	956.6	961.3	996.2	1084.6	1124.2
55°	956.6	920.1	886.6	891.1	917.0	946.0	938.4	944.4	985.6	1105.9	1160.8
57.5°	924.7	882.0	845.5	848.5	886.6	917.0	904.8	912.5	961.3	1083.1	1141.0
58°	911.0	874.4	839.4	840.9	877.4	911.0	897.3	903.3	953.6	1077.0	1131.8
60°	853.1	831.7	801.3	802.8	837.8	866.8	859.2	865.2	914.0	1032.8	1074.0
62.5°	773.9	761.7	754.0	754.0	775.4	802.8	810.4	818.0	862.2	933.8	970.3
65°	688.5	688.5	690.0	690.0	703.7	738.8	743.4	763.2	804.3	839.4	866.8
67.5°	630.7	627.6	630.7	623.0	629.2	650.4	673.3	691.6	734.3	758.7	767.7
70°	556.0	554.5	556.0	545.4	553.0	571.3	586.5	617.0	661.1	679.4	684.0
72.5°	482.9	482.9	485.9	478.4	478.4	498.1	508.8	542.3	583.4	594.1	595.6
75°	406.7	411.3	411.3	400.7	403.7	415.9	429.6	457.0	495.1	502.7	502.7
77.5°	322.9	339.7	339.7	329.1	333.6	335.1	353.4	367.1	396.1	399.1	386.9
80°	234.6	251.4	265.1	255.9	263.6	254.4	265.1	274.2	303.2	289.5	269.6
82.5°	167.5	179.7	190.4	191.9	184.3	167.5	181.3	182.8	196.5	178.2	167.5
85°	92.9	103.6	117.3	111.2	99.0	88.4	92.9	96.0	94.4	89.9	83.8
87.5°	24.4	25.9	28.9	21.4	19.8	16.7	22.9	22.9	25.9	27.4	25.9
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°	5794.8	5794.8	5794.8	5794.8	5794.8	5794.8	5794.8	5794.8	5794.8	5794.8	5794.8
2.5°	4934.1	5001.2	5145.8	5255.6	5389.6	5552.6	5744.5	5938.0	6146.7	6212.2	6303.6
5°	4082.6	4250.2	4320.2	4519.8	4717.8	5014.9	5331.7	5698.9	6101.0	6294.5	6480.3
7.5°	3488.5	3578.4	3651.5	3797.7	4035.4	4396.4	4794.0	5252.5	5822.2	6104.1	6376.7
10°	3168.6	3177.7	3267.6	3448.9	3656.0	3974.4	4350.7	4864.0	5499.3	5842.0	6161.9
12.5°	2956.8	2917.2	3014.7	3203.6	3438.2	3732.2	4078.0	4567.0	5266.2	5618.1	6005.1
15°	2770.9	2708.5	2781.6	2975.1	3206.6	3552.5	3924.1	4442.1	5174.8	5584.6	6014.2
17.5°	2775.6	2603.4	2629.3	2792.3	3022.3	3374.2	3825.1	4437.5	5313.4	5785.7	6294.5
20°	3118.3	2842.6	2725.3	2755.7	2978.1	3362.1	3870.8	4650.8	5768.9	6457.5	7001.3
22.5°	3454.9	3288.9	3100.0	3037.5	3159.4	3561.6	4161.8	5155.0	6759.1	7796.5	8779.0
25°	3337.7	3479.3	3432.1	3343.7	3371.1	3704.8	4359.8	5569.4	7528.4	8696.8	9619.9
27.5°	2670.4	2927.9	2979.7	2978.1	2988.8	3263.0	3921.1	5290.6	7624.3	8868.9	9751.0
30°	1876.8	1899.7	1927.1	1980.4	2029.1	2274.3	3068.1	4644.7	7581.7	8946.6	9830.2
32.5°	1354.3	1384.7	1422.8	1495.9	1611.7	1924.0	2684.1	4439.1	7807.2	9268.1	10061.7
35°	1238.5	1273.5	1310.1	1393.9	1503.5	1793.0	2531.8	4353.7	8177.3	9789.0	10477.6
37.5°	1202.0	1241.6	1273.5	1334.4	1422.8	1698.6	2393.1	4295.8	8556.7	10340.5	11035.1
40°	1176.1	1221.7	1247.6	1296.4	1357.3	1611.7	2269.8	4250.2	8923.8	10844.7	11483.0
42.5°	1153.2	1200.4	1233.9	1269.0	1319.2	1534.0	2160.1	4204.4	9242.2	11333.7	11929.3
45°	1125.8	1185.1	1227.8	1255.3	1299.4	1468.5	2076.3	4167.9	9604.7	11767.9	12380.3
47.5°	1102.9	1168.4	1221.7	1253.7	1270.5	1422.8	2009.3	4218.1	10040.4	12221.8	12799.2
50°	1104.4	1166.9	1233.9	1284.2	1240.0	1384.7	1968.2	4417.7	10607.0	12761.1	13129.7
52.5°	1153.2	1229.4	1282.7	1294.8	1197.3	1339.0	1946.8	4766.5	11277.3	13237.8	13463.3
55°	1208.0	1287.2	1345.1	1337.5	1174.5	1281.1	1942.3	5138.3	12011.6	13793.9	13897.5
57.5°	1188.2	1304.0	1392.4	1352.7	1176.1	1224.7	1922.4	5438.3	12625.5	14209.8	14327.1
58°	1182.1	1297.9	1398.4	1349.7	1171.4	1208.0	1917.9	5464.2	12710.8	14238.7	14388.0
60°	1122.7	1244.6	1393.9	1326.8	1145.5	1162.3	1867.6	5548.0	12688.0	14089.4	14424.6
62.5°	1014.6	1115.1	1288.7	1215.7	1066.3	1101.4	1754.9	5444.5	12069.4	13370.4	13889.9
65°	892.7	967.3	1083.1	1069.4	953.6	1038.9	1601.0	5034.6	10831.0	12203.5	12750.4
67.5°	801.3	862.2	935.4	915.5	857.7	955.1	1435.0	4341.6	9441.7	10802.1	11490.6
70°	708.4	755.6	792.1	778.4	760.2	872.9	1287.2	3523.5	8110.3	9470.7	10137.8
72.5°	613.9	658.1	688.5	668.8	658.1	786.1	1166.9	2734.4	6405.6	7813.2	8670.9
75°	513.3	557.6	578.9	556.0	549.9	693.2	988.7	2042.8	4806.1	6023.3	6763.7
77.5°	397.6	444.8	472.2	464.7	467.7	569.7	798.2	1398.4	3436.7	4105.4	4885.4
80°	278.8	330.6	348.8	341.2	362.6	434.1	563.6	888.1	2370.4	2664.4	3214.3
82.5°	172.2	220.8	224.0	231.5	246.7	321.4	425.0	540.8	1488.3	1538.6	1937.7
85°	86.8	105.1	112.7	124.9	138.6	196.5	242.2	335.1	958.2	725.1	1083.1
87.5°	28.9	30.4	36.6	45.7	56.3	80.7	103.6	137.1	237.7	131.0	335.1
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°	5794.8	5794.8	5794.8	5794.8	5794.8	5794.8	5794.8	5794.8	5794.8	5794.8
2.5°	6487.9	6617.4	6711.9	6798.7	6714.9	6707.3	6625.1	6492.5	6437.7	6437.7
5°	6870.3	7173.5	7418.7	7575.6	7508.6	7347.1	7080.5	6740.8	6558.0	6526.0
7.5°	6975.4	7574.0	8029.5	8191.0	8078.3	7721.8	7211.5	6638.8	6376.7	6318.9
10°	6911.4	7689.9	8358.6	8614.5	8457.6	7918.4	7222.2	6519.9	6197.0	6130.0
12.5°	6844.4	7705.1	8419.5	8789.7	8687.6	8076.8	7299.9	6442.2	6069.0	5973.0
15°	6893.2	7711.2	8344.9	8727.2	8792.7	8267.2	7427.9	6498.6	6043.1	5941.1
17.5°	7200.9	7826.9	8238.3	8547.5	8777.5	8526.1	7791.9	6768.2	6274.7	6148.2
20°	7843.8	8104.2	8299.2	8538.3	8908.5	9054.8	8536.8	7508.6	6925.1	6814.0
22.5°	9705.2	9658.0	9258.9	9254.4	9790.6	10377.0	10342.0	9013.7	8136.2	8044.8
25°	10402.9	10183.6	9606.2	9466.0	9702.2	10607.0	10476.1	9321.4	8510.9	8288.6
27.5°	10130.3	9586.4	9207.1	9175.1	9097.4	9952.1	10267.3	9446.3	8641.9	8425.6
30°	10113.5	9313.7	8771.5	8835.4	8910.1	9726.6	10383.2	9837.8	8977.1	8745.6
32.5°	10154.7	9351.8	8803.4	8815.6	9038.1	9760.1	10511.1	10264.3	9417.3	9185.8
35°	10320.7	9568.1	9007.5	8978.6	9325.9	9979.5	10729.0	10934.6	10019.1	9755.5
37.5°	10588.8	9999.2	9380.8	9373.1	9877.4	10375.5	11000.1	11610.9	10617.7	10334.4
40°	10983.3	10503.5	10045.0	10003.8	10626.9	11019.9	11352.0	12331.5	11313.9	10949.8
42.5°	11460.1	11108.3	10920.9	11083.9	11682.6	11743.5	11900.4	12997.2	11906.5	11483.0
45°	11901.9	11885.2	12145.6	12578.2	12927.1	12561.5	12473.2	13443.6	12366.6	11906.5
47.5°	12427.5	12881.4	13667.5	14301.2	14666.8	13513.6	12962.2	13734.5	12701.7	12278.2
50°	12960.7	14074.2	15329.4	16213.0	16290.7	14548.0	13298.8	14008.7	13006.3	12566.1
52.5°	13521.3	15026.3	16697.4	17724.2	17573.4	15448.2	13624.8	14194.6	13320.2	12933.2
55°	14008.7	15609.7	17462.1	18447.8	18226.8	15996.7	13976.7	14395.6	13768.0	13442.0
57.5°	14281.4	15658.5	17271.7	18132.4	17893.2	15890.0	14138.2	14544.9	14054.4	13798.5
58°	14321.0	15593.0	17102.7	17949.6	17705.8	15800.1	14136.6	14538.8	14072.7	13815.3
60°	14286.0	15167.9	16473.5	17227.5	16971.6	15236.5	14078.8	14424.6	13841.1	13623.3
62.5°	13961.4	14430.6	15387.4	15935.8	15862.6	14356.0	13841.1	13993.5	13135.8	12925.6
65°	13535.0	13425.2	13996.5	14385.0	14439.8	13696.4	13605.0	13061.2	12230.9	11933.9
67.5°	13017.0	12285.8	12284.2	12505.2	12596.6	12681.9	13113.0	12048.2	10926.9	10613.2
70°	12138.1	10529.4	10045.0	10305.4	10229.3	10949.8	12234.0	10625.4	9354.9	8987.8
72.5°	10526.3	8355.6	7580.2	7915.3	7723.4	8587.1	10704.6	8744.0	7735.5	7284.7
75°	8532.3	6250.3	5450.5	5758.2	5639.4	6513.8	8907.0	6350.8	5548.0	5375.9
77.5°	6625.1	4528.9	4064.3	4021.7	4110.0	4847.3	6533.6	4288.3	3657.6	3540.3
80°	4256.2	3241.7	3269.1	3214.3	3260.0	3055.9	3966.8	2735.9	2477.0	2382.6
82.5°	2801.5	2259.1	2693.3	2486.1	2361.2	2055.0	2601.9	1791.5	1520.3	1468.5
85°	1908.7	1663.5	1514.2	1157.7	1363.4	1582.8	1951.4	964.3	764.7	693.2
87.5°	862.2	578.9	425.0	262.1	414.4	478.4	947.6	112.7	86.8	89.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)