

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: P458934

Luminaire Tested: **GALN-SA4C-735-U-SLR**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P458934
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-SA4C-735-U-SLR
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 3500K, 1050mA 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: 22332 lumens
Efficiency: N/A
Efficacy: 104.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G3

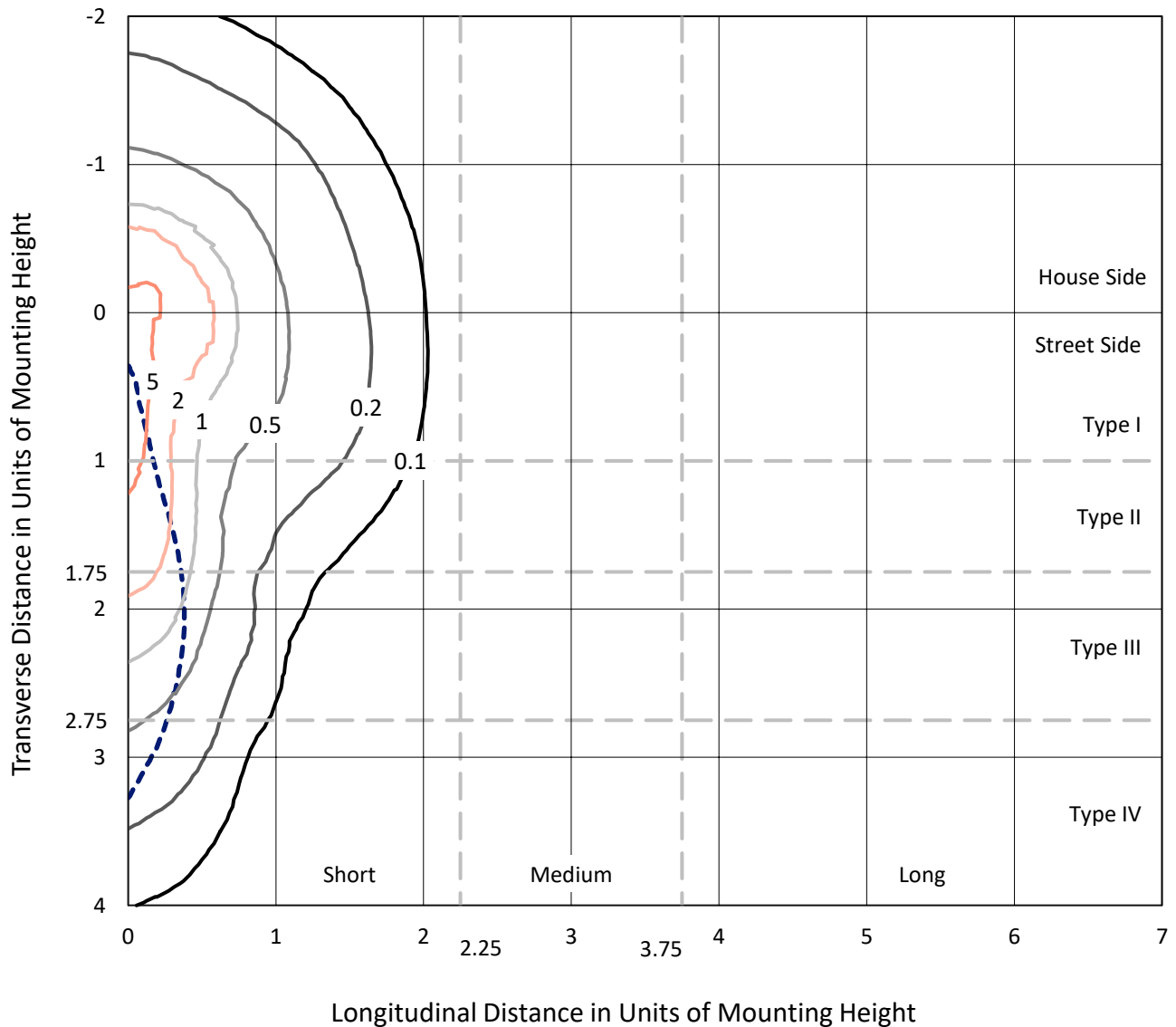
Input Watts (W): 213
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

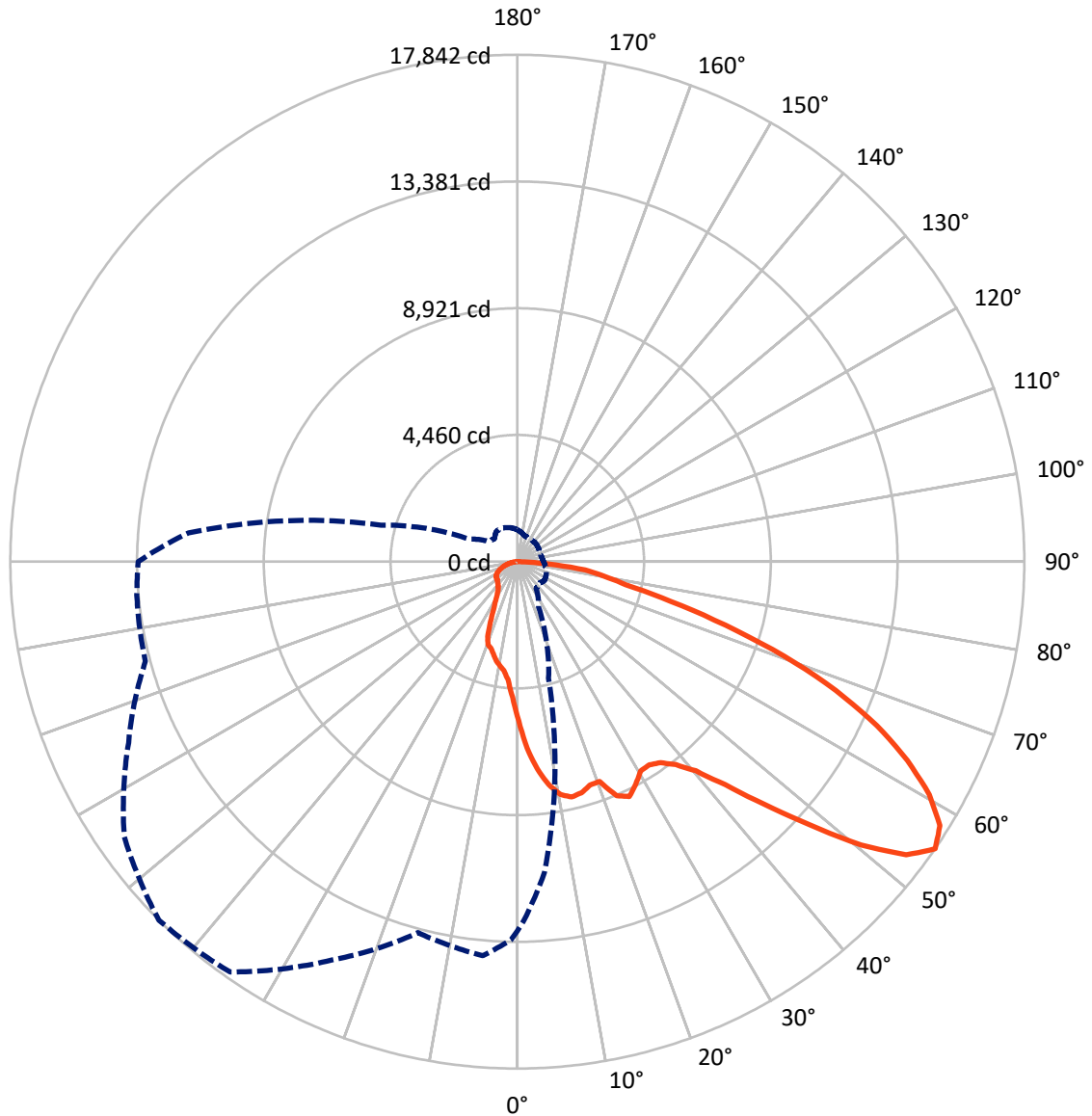
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.6 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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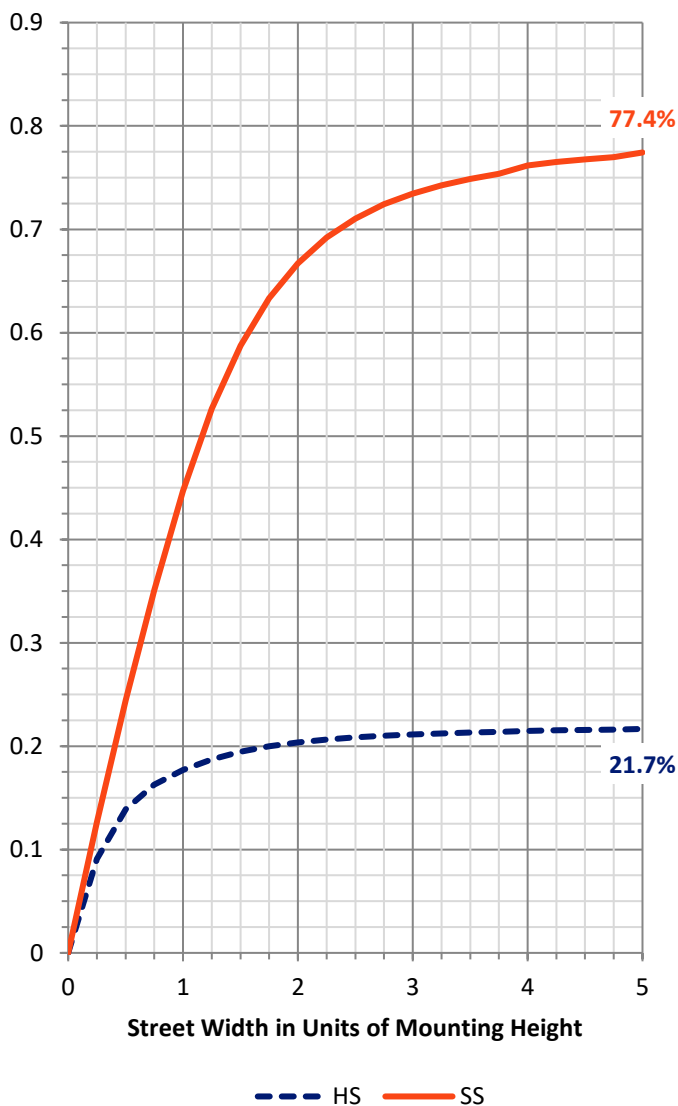
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4885.0	0.0	4885.0
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	17447.0	0.0	17447.0
	% Fixture	78.1	0.0	78.1
Total	Lumens	22332.0	0.0	22332.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	475.0	2.1
10°-20°	1260.2	5.6
20°-30°	2177.0	9.7
30°-40°	2530.0	11.3
40°-50°	3529.9	15.8
50°-60°	4789.7	21.4
60°-70°	4556.8	20.4
70°-80°	2461.7	11.0
80°-90°	551.7	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°	22332.0	100.0
0°-180°	22332.0	100.0

Coefficient of Utilization



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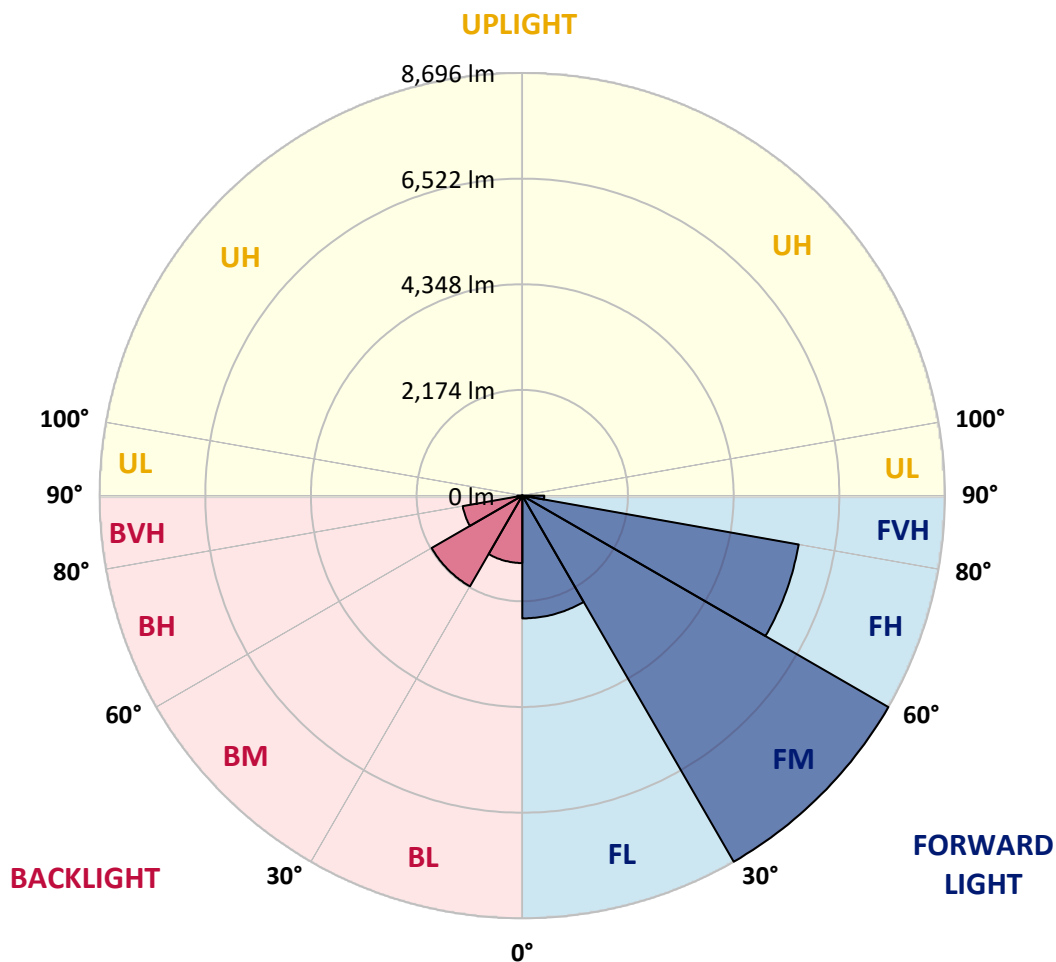
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2525.8	11.3			
FM	(30°-60°)	8695.6	38.9			
FH	(60°-80°)	5774.7	25.9			G3/7500
FVH	(80°-90°)	450.9	2.0			G3/500
BL	(0°-30°)	1386.4	6.2	B3/2500		
BM	(30°-60°)	2154.0	9.6	B2/2500		
BH	(60°-80°)	1243.8	5.6	B3/2500		G3/2500
BVH	(80°-90°)	100.8	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°	5604.5	5604.5	5604.5	5604.5	5604.5	5604.5	5604.5	5604.5	5604.5	5604.5	5604.5
2.5°	6226.2	6202.6	6136.3	5962.5	5787.1	5608.9	5471.9	5301.0	5122.7	5026.9	4904.6
5°	6311.6	6285.1	6129.0	5737.1	5382.0	5009.2	4711.6	4450.9	4344.8	4188.6	4063.4
7.5°	6111.3	6099.5	5865.2	5302.4	4816.2	4328.6	3991.2	3782.0	3591.9	3521.2	3535.9
10°	5928.6	5881.4	5588.3	4853.1	4285.8	3889.5	3647.9	3443.1	3309.0	3273.7	3281.1
12.5°	5776.8	5713.5	5367.3	4551.0	4054.5	3737.8	3429.9	3216.2	3093.9	3127.8	3242.7
15°	5745.9	5660.4	5274.4	4447.9	3927.8	3519.7	3182.3	2936.3	2845.0	2918.6	3102.8
17.5°	5946.3	5838.7	5433.6	4481.8	3807.0	3297.3	2883.3	2601.9	2525.2	2643.1	2883.3
20°	6590.1	6431.0	5930.1	4677.7	3795.2	3186.8	2709.4	2426.5	2458.9	2682.9	2933.4
22.5°	7780.5	7541.9	6799.3	4963.6	3857.1	3158.8	2674.1	2526.7	2705.0	2895.0	3060.1
25°	8016.3	7829.2	6955.5	5028.4	3843.9	3139.6	2774.2	2847.9	3046.8	3141.1	3083.6
27.5°	8148.9	7935.2	6945.2	4707.2	3437.2	2847.9	2652.0	2774.2	2824.3	2733.0	2576.8
30°	8458.3	8235.8	7120.5	4369.8	2830.2	2112.7	1851.9	1801.9	1835.7	1853.4	1797.4
32.5°	8884.0	8664.5	7450.5	4148.8	2447.2	1747.3	1491.0	1420.3	1404.1	1384.9	1362.8
35°	9435.1	9097.7	7774.6	4007.4	2289.5	1616.2	1380.5	1326.0	1303.9	1277.4	1253.8
37.5°	9994.9	9641.3	8184.2	3858.6	2184.9	1524.9	1306.8	1281.8	1243.5	1215.5	1181.6
40°	10590.1	10193.8	8557.0	3728.9	2083.3	1465.9	1253.8	1250.8	1200.7	1168.3	1128.6
42.5°	11105.8	10697.7	8889.9	3649.4	2005.2	1404.1	1221.4	1230.2	1178.6	1130.0	1078.5
45°	11515.4	11114.6	9197.9	3649.4	1941.8	1342.2	1215.5	1209.6	1158.0	1097.6	1038.7
47.5°	11874.9	11460.9	9498.4	3742.2	1902.0	1290.6	1183.1	1193.4	1140.3	1063.7	1006.3
50°	12153.3	11787.9	9903.6	3886.6	1862.3	1249.4	1141.8	1197.8	1125.6	1046.0	979.7
52.5°	12508.4	12181.3	10391.2	4084.0	1828.4	1203.7	1105.0	1197.8	1124.1	1047.5	975.3
55°	13000.5	12655.7	10979.1	4247.5	1773.9	1161.0	1072.6	1163.9	1119.7	1040.2	963.5
57.5°	13345.2	13087.4	11394.6	4356.6	1695.8	1106.5	1043.1	1131.5	1100.6	1012.2	928.2
58°	13361.4	13109.5	11455.0	4381.6	1676.6	1096.1	1035.7	1116.8	1091.7	1000.4	916.4
60°	13175.8	12959.2	11466.7	4346.3	1567.6	1044.6	997.4	1056.4	1044.6	931.1	853.0
62.5°	12501.0	12269.7	10990.9	4059.0	1423.2	981.2	938.5	975.3	948.8	833.9	761.7
65°	11541.9	11116.1	10012.6	3608.1	1320.1	913.5	858.9	861.9	833.9	751.4	688.0
67.5°	10264.5	9788.7	8477.4	3040.9	1242.0	838.3	764.6	757.3	723.4	670.4	618.8
70°	8692.5	8366.9	6889.2	2473.7	1155.1	755.8	658.6	654.1	633.5	593.7	548.1
72.5°	7045.4	6631.4	5563.2	1980.1	1049.0	676.2	559.9	568.7	542.2	514.2	472.9
75°	5199.3	4928.2	4300.6	1588.2	906.1	589.3	467.0	470.0	458.2	428.7	396.3
77.5°	3424.0	3342.9	3076.3	1043.1	696.9	468.5	381.6	384.5	375.7	349.2	315.3
80°	2304.3	2249.7	2084.7	671.8	465.6	338.9	294.7	297.6	296.1	268.1	222.5
82.5°	1420.3	1396.7	1343.7	453.8	322.7	243.1	194.5	203.3	219.5	188.6	151.8
85°	670.4	671.8	811.8	247.5	190.1	156.2	106.1	113.4	113.4	113.4	85.5
87.5°	86.9	91.3	112.0	104.6	69.2	58.9	38.3	32.4	28.0	36.8	26.5
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°	5604.5	5604.5	5604.5	5604.5	5604.5	5604.5	5604.5	5604.5	5604.5	5604.5	5604.5
2.5°	4861.9	4832.4	4769.1	4754.4	4745.5	4770.6	4704.3	4721.9	4692.5	4775.0	4761.7
5°	4070.7	4073.7	4125.3	4159.1	4170.9	4159.1	4114.9	4038.3	3979.4	3955.8	3961.7
7.5°	3507.9	3559.5	3647.9	3746.6	3836.5	3863.0	3838.0	3692.1	3533.0	3432.8	3400.4
10°	3320.8	3390.1	3491.7	3569.8	3649.4	3712.7	3726.0	3612.5	3424.0	3186.8	3093.9
12.5°	3331.1	3425.4	3522.7	3547.7	3540.4	3565.4	3553.6	3534.5	3410.7	3108.7	2954.0
15°	3233.9	3345.9	3413.7	3400.4	3376.8	3354.7	3323.8	3275.2	3231.0	3018.8	2847.9
17.5°	3010.0	3124.9	3180.9	3185.3	3185.3	3179.4	3104.3	3086.6	3080.7	2977.6	2872.9
20°	3051.2	3114.6	3089.5	3048.3	3060.1	3099.8	3055.6	3046.8	3080.7	3126.4	3107.2
22.5°	3074.8	3052.7	2864.1	2681.4	2640.2	2763.9	2789.0	2887.7	3024.7	3189.7	3297.3
25°	2928.9	2750.7	2413.3	2207.0	2090.6	2205.5	2355.8	2538.5	2743.3	2955.5	3080.7
27.5°	2448.6	2313.1	2071.5	1885.8	1784.2	1801.9	1930.0	2096.5	2286.6	2429.5	2520.8
30°	1844.6	1784.2	1658.9	1595.6	1533.7	1519.0	1573.5	1636.8	1720.8	1738.5	1762.1
32.5°	1358.4	1349.5	1356.9	1336.3	1324.5	1323.0	1306.8	1321.6	1330.4	1340.7	1320.1
35°	1228.7	1217.0	1196.3	1190.4	1183.1	1186.0	1178.6	1171.3	1177.2	1186.0	1191.9
37.5°	1162.4	1144.8	1115.3	1105.0	1105.0	1109.4	1097.6	1094.7	1105.0	1133.0	1147.7
40°	1110.9	1090.2	1056.4	1043.1	1051.9	1063.7	1047.5	1041.6	1066.7	1096.1	1119.7
42.5°	1062.3	1046.0	1013.6	998.9	1006.3	1028.4	1004.8	1000.4	1032.8	1065.2	1093.2
45°	1021.0	1004.8	975.3	968.0	970.9	991.5	975.3	975.3	1006.3	1041.6	1066.7
47.5°	988.6	968.0	948.8	942.9	945.9	957.6	954.7	954.7	984.2	1021.0	1046.0
50°	956.2	938.5	913.5	916.4	923.8	940.0	938.5	942.9	972.4	1018.1	1044.6
52.5°	941.4	914.9	886.9	889.9	912.0	931.1	925.2	929.7	963.5	1049.0	1087.3
55°	925.2	889.9	857.5	861.9	886.9	914.9	907.6	913.5	953.2	1069.6	1122.7
57.5°	894.3	853.0	817.7	820.6	857.5	886.9	875.1	882.5	929.7	1047.5	1103.5
58°	881.0	845.7	811.8	813.3	848.6	881.0	867.8	873.7	922.3	1041.6	1094.7
60°	825.1	804.4	775.0	776.4	810.3	838.3	830.9	836.8	884.0	998.9	1038.7
62.5°	748.4	736.7	729.3	729.3	749.9	776.4	783.8	791.2	833.9	903.1	938.5
65°	665.9	665.9	667.4	667.4	680.7	714.6	719.0	738.1	777.9	811.8	838.3
67.5°	609.9	607.0	609.9	602.6	608.5	629.1	651.2	668.9	710.1	733.7	742.5
70°	537.8	536.3	537.8	527.4	534.8	552.5	567.2	596.7	639.4	657.1	661.5
72.5°	467.0	467.0	470.0	462.6	462.6	481.8	492.1	524.5	564.3	574.6	576.1
75°	393.4	397.8	397.8	387.5	390.4	402.2	415.5	442.0	478.8	486.2	486.2
77.5°	312.3	328.5	328.5	318.2	322.7	324.1	341.8	355.1	383.1	386.0	374.2
80°	226.9	243.1	256.4	247.5	254.9	246.0	256.4	265.2	293.2	279.9	260.8
82.5°	162.1	173.9	184.2	185.6	178.3	162.1	175.3	176.8	190.1	172.4	162.1
85°	89.9	100.2	113.4	107.6	95.8	85.5	89.9	92.8	91.3	86.9	81.0
87.5°	23.6	25.0	28.0	20.6	19.2	16.2	22.1	22.1	25.0	26.5	25.0
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°	5604.5	5604.5	5604.5	5604.5	5604.5	5604.5	5604.5	5604.5	5604.5	5604.5	5604.5
2.5°	4772.0	4836.9	4976.8	5082.9	5212.6	5370.2	5555.8	5743.0	5944.8	6008.1	6096.5
5°	3948.5	4110.5	4178.3	4371.3	4562.8	4850.1	5156.6	5511.6	5900.6	6087.7	6267.4
7.5°	3373.9	3460.8	3531.5	3673.0	3902.8	4252.0	4636.5	5080.0	5631.0	5903.5	6167.3
10°	3064.5	3073.3	3160.2	3335.6	3535.9	3843.9	4207.8	4704.3	5318.6	5650.1	5959.5
12.5°	2859.7	2821.4	2915.7	3098.4	3325.3	3609.6	3944.0	4417.0	5093.2	5433.6	5807.8
15°	2679.9	2619.5	2690.3	2877.4	3101.3	3435.8	3795.2	4296.2	5004.8	5401.1	5816.6
17.5°	2684.4	2517.9	2542.9	2700.6	2923.0	3263.4	3699.5	4291.7	5138.9	5595.6	6087.7
20°	3015.9	2749.2	2635.7	2665.2	2880.3	3251.6	3743.7	4498.0	5579.4	6245.3	6771.3
22.5°	3341.5	3180.9	2998.2	2937.8	3055.6	3444.6	4025.1	4985.7	6537.1	7540.4	8490.7
25°	3228.0	3365.0	3319.4	3233.9	3260.4	3583.1	4216.6	5386.4	7281.1	8411.1	9303.9
27.5°	2582.7	2831.7	2881.8	2880.3	2890.6	3155.8	3792.3	5116.8	7373.9	8577.6	9430.6
30°	1815.1	1837.2	1863.7	1915.3	1962.4	2199.6	2967.2	4492.1	7332.6	8652.7	9507.2
32.5°	1309.8	1339.2	1376.1	1446.8	1558.8	1860.8	2596.0	4293.2	7550.7	8963.6	9731.2
35°	1197.8	1231.7	1267.0	1348.1	1454.2	1734.1	2448.6	4210.7	7908.7	9467.5	10133.4
37.5°	1162.4	1200.7	1231.7	1290.6	1376.1	1642.7	2314.6	4154.7	8275.6	10000.8	10672.6
40°	1137.4	1181.6	1206.6	1253.8	1312.7	1558.8	2195.2	4110.5	8630.6	10488.5	11105.8
42.5°	1115.3	1161.0	1193.4	1227.3	1275.9	1483.6	2089.1	4066.3	8938.6	10961.4	11537.5
45°	1088.8	1146.2	1187.5	1214.0	1256.7	1420.3	2008.1	4031.0	9289.2	11381.3	11973.6
47.5°	1066.7	1130.0	1181.6	1212.5	1228.7	1376.1	1943.3	4079.6	9710.6	11820.3	12378.7
50°	1068.1	1128.6	1193.4	1242.0	1199.3	1339.2	1903.5	4272.6	10258.6	12341.9	12698.4
52.5°	1115.3	1189.0	1240.5	1252.3	1158.0	1295.0	1882.9	4610.0	10906.9	12803.0	13021.1
55°	1168.3	1244.9	1300.9	1293.6	1135.9	1239.1	1878.5	4969.5	11617.0	13340.8	13441.0
57.5°	1149.2	1261.2	1346.6	1308.3	1137.4	1184.5	1859.3	5259.7	12210.8	13743.0	13856.5
58°	1143.3	1255.3	1352.5	1305.3	1133.0	1168.3	1854.9	5284.8	12293.3	13771.0	13915.4
60°	1085.8	1203.7	1348.1	1283.3	1107.9	1124.1	1806.3	5365.8	12271.2	13626.6	13950.7
62.5°	981.2	1078.5	1246.4	1175.7	1031.3	1065.2	1697.2	5265.6	11673.0	12931.2	13433.6
65°	863.4	935.5	1047.5	1034.3	922.3	1004.8	1548.4	4869.3	10475.2	11802.7	12331.6
67.5°	775.0	833.9	904.6	885.5	829.5	923.8	1387.9	4198.9	9131.6	10447.2	11113.2
70°	685.1	730.8	766.1	752.9	735.2	844.2	1244.9	3407.8	7843.9	9159.5	9804.9
72.5°	593.7	636.5	665.9	646.8	636.5	760.2	1128.6	2644.6	6195.3	7556.6	8386.1
75°	496.5	539.2	559.9	537.8	531.9	670.4	956.2	1975.7	4648.3	5825.5	6541.5
77.5°	384.5	430.2	456.7	449.4	452.3	551.0	772.0	1352.5	3323.8	3970.6	4724.9
80°	269.6	319.7	337.4	330.0	350.6	419.9	545.1	858.9	2292.5	2576.8	3108.7
82.5°	166.5	213.6	216.6	223.9	238.7	310.9	411.1	523.0	1439.4	1488.0	1874.0
85°	84.0	101.7	109.0	120.8	134.1	190.1	234.3	324.1	926.7	701.3	1047.5
87.5°	28.0	29.5	35.4	44.2	54.5	78.1	100.2	132.6	229.8	126.7	324.1
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°	5604.5	5604.5	5604.5	5604.5	5604.5	5604.5	5604.5	5604.5	5604.5	5604.5
2.5°	6274.8	6400.0	6491.4	6575.4	6494.3	6487.0	6407.4	6279.2	6226.2	6226.2
5°	6644.6	6937.8	7175.0	7326.8	7261.9	7105.8	6847.9	6519.4	6342.6	6311.6
7.5°	6746.3	7325.3	7765.8	7922.0	7812.9	7468.2	6974.6	6420.7	6167.3	6111.3
10°	6684.4	7437.3	8084.0	8331.6	8179.8	7658.2	6984.9	6305.8	5993.4	5928.6
12.5°	6619.6	7452.0	8143.0	8501.0	8402.3	7811.5	7060.1	6230.6	5869.7	5776.8
15°	6666.7	7457.9	8070.8	8440.6	8503.9	7995.6	7183.8	6285.1	5844.6	5745.9
17.5°	6964.3	7569.9	7967.6	8266.7	8489.2	8246.1	7536.0	6545.9	6068.6	5946.3
20°	7586.1	7838.0	8026.6	8257.9	8615.9	8757.3	8256.4	7261.9	6697.7	6590.1
22.5°	9386.4	9340.8	8954.8	8950.3	9468.9	10036.2	10002.3	8717.6	7868.9	7780.5
25°	10061.2	9849.1	9290.7	9155.1	9383.5	10258.6	10131.9	9015.2	8231.4	8016.3
27.5°	9797.5	9271.5	8904.7	8873.7	8798.6	9625.1	9930.1	9136.0	8358.1	8148.9
30°	9781.3	9007.8	8483.3	8545.2	8617.4	9407.1	10042.1	9514.6	8682.2	8458.3
32.5°	9821.1	9044.6	8514.2	8526.0	8741.1	9439.5	10165.8	9927.1	9108.0	8884.0
35°	9981.7	9253.8	8711.7	8683.7	9019.6	9651.6	10376.5	10575.4	9689.9	9435.1
37.5°	10241.0	9670.8	9072.6	9065.3	9552.9	10034.7	10638.7	11229.5	10268.9	9994.9
40°	10622.5	10158.5	9715.0	9675.2	10277.8	10657.9	10979.1	11926.4	10942.3	10590.1
42.5°	11083.7	10743.4	10562.1	10719.8	11298.8	11357.7	11509.5	12570.3	11515.4	11105.8
45°	11510.9	11494.7	11746.7	12165.1	12502.5	12148.9	12063.4	13001.9	11960.3	11515.4
47.5°	12019.2	12458.3	13218.5	13831.4	14185.0	13069.7	12536.4	13283.3	12284.4	11874.9
50°	12534.9	13611.9	14825.9	15680.4	15755.5	14070.1	12862.0	13548.5	12579.1	12153.3
52.5°	13077.1	14532.7	16148.9	17141.9	16996.1	14940.8	13177.3	13728.3	12882.6	12508.4
55°	13548.5	15097.0	16888.5	17841.7	17628.1	15471.2	13517.6	13922.8	13315.7	13000.5
57.5°	13812.3	15144.1	16704.4	17536.8	17305.5	15368.1	13673.8	14067.1	13592.7	13345.2
58°	13850.6	15080.8	16540.8	17360.0	17124.2	15281.1	13672.3	14061.2	13610.4	13361.4
60°	13816.7	14669.7	15932.3	16661.6	16414.1	14736.0	13616.3	13950.7	13386.5	13175.8
62.5°	13502.9	13956.6	14881.9	15412.3	15341.5	13884.4	13386.5	13533.8	12704.3	12501.0
65°	13090.3	12984.3	13536.7	13912.4	13965.5	13246.5	13158.1	12632.1	11829.2	11541.9
67.5°	12589.4	11882.2	11880.7	12094.4	12182.8	12265.3	12682.2	11652.4	10568.0	10264.5
70°	11739.3	10183.5	9715.0	9966.9	9893.3	10590.1	11832.1	10276.3	9047.6	8692.5
72.5°	10180.6	8081.1	7331.2	7655.3	7469.7	8305.0	10352.9	8456.8	7481.5	7045.4
75°	8252.0	6045.0	5271.5	5569.1	5454.2	6299.9	8614.4	6142.2	5365.8	5199.3
77.5°	6407.4	4380.1	3930.8	3889.5	3975.0	4688.1	6319.0	4147.4	3537.4	3424.0
80°	4116.4	3135.2	3161.7	3108.7	3152.9	2955.5	3836.5	2646.1	2395.6	2304.3
82.5°	2709.4	2184.9	2604.8	2404.4	2283.6	1987.5	2516.4	1732.6	1470.4	1420.3
85°	1846.1	1608.9	1464.5	1119.7	1318.6	1530.8	1887.3	932.6	739.6	670.4
87.5°	833.9	559.9	411.1	253.4	400.7	462.6	916.4	109.0	84.0	86.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)