

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: P454352

Luminaire Tested: **GALN-SA5C-722-U-SLR**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P454352
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-SA5C-722-U-SLR
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 2200K, 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: 22310 lumens
Efficiency: N/A
Efficacy: 82.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G3

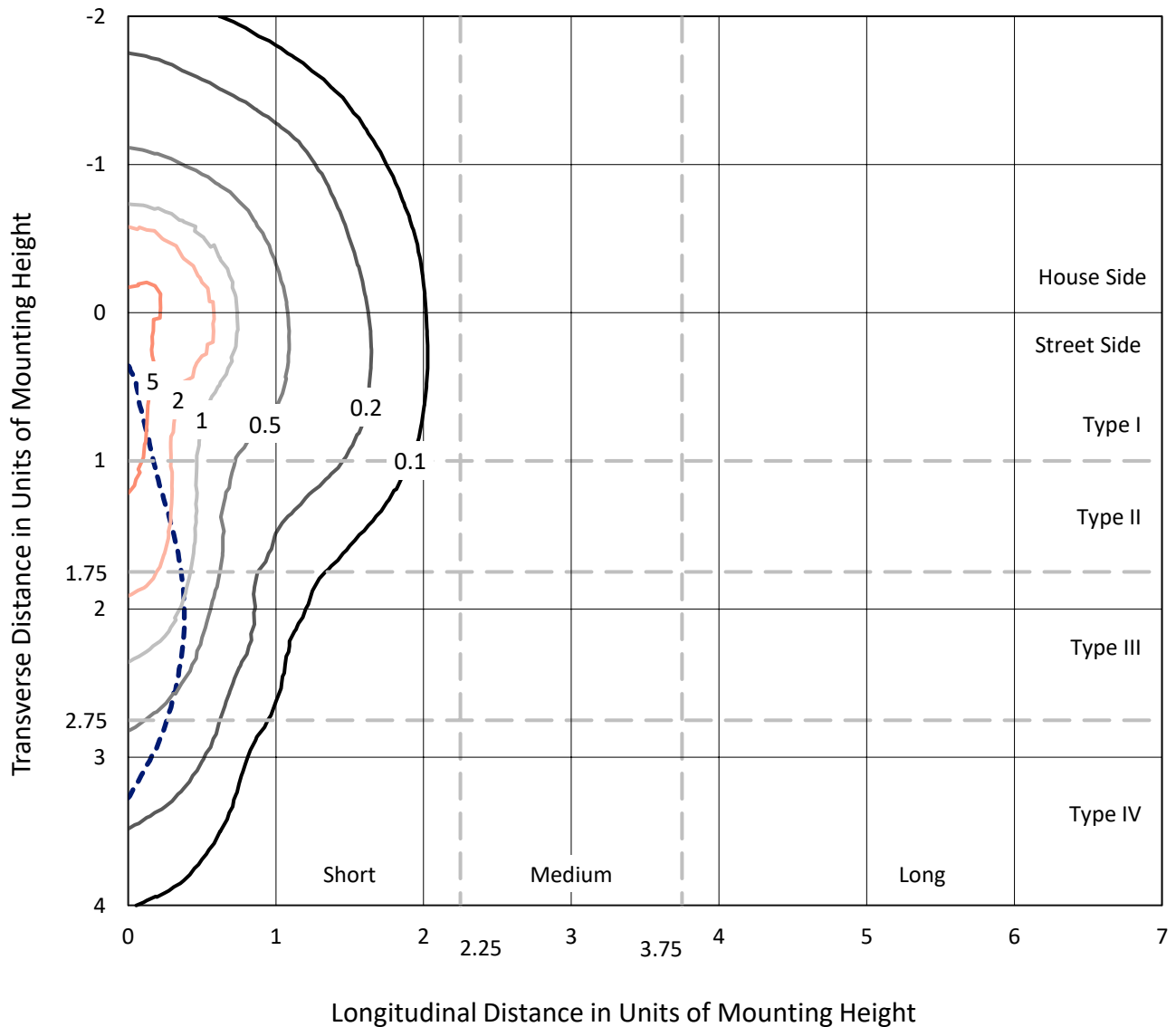
Input Watts (W): 269
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

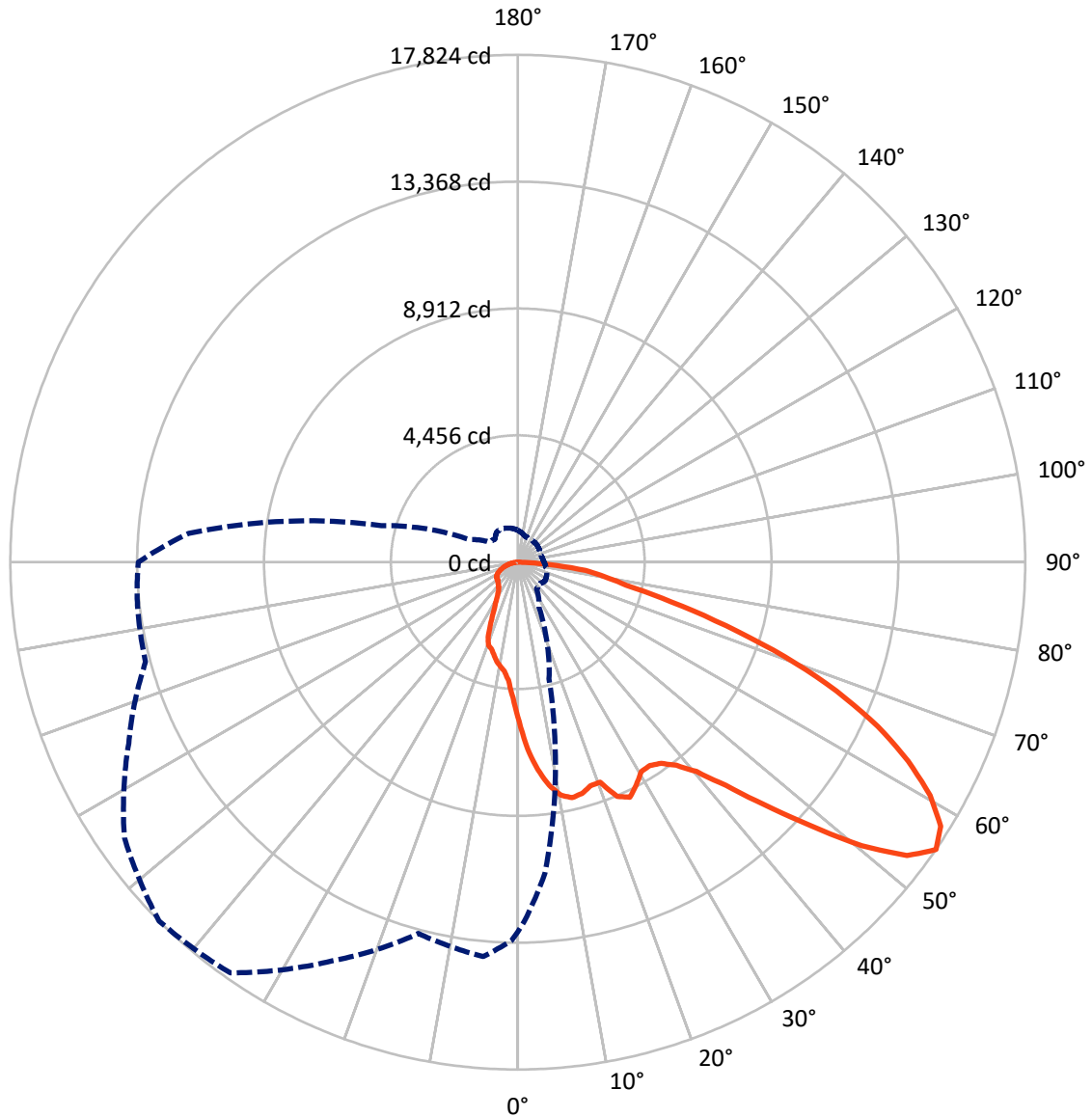
× Max cd
 - - - 1/2 Max cd



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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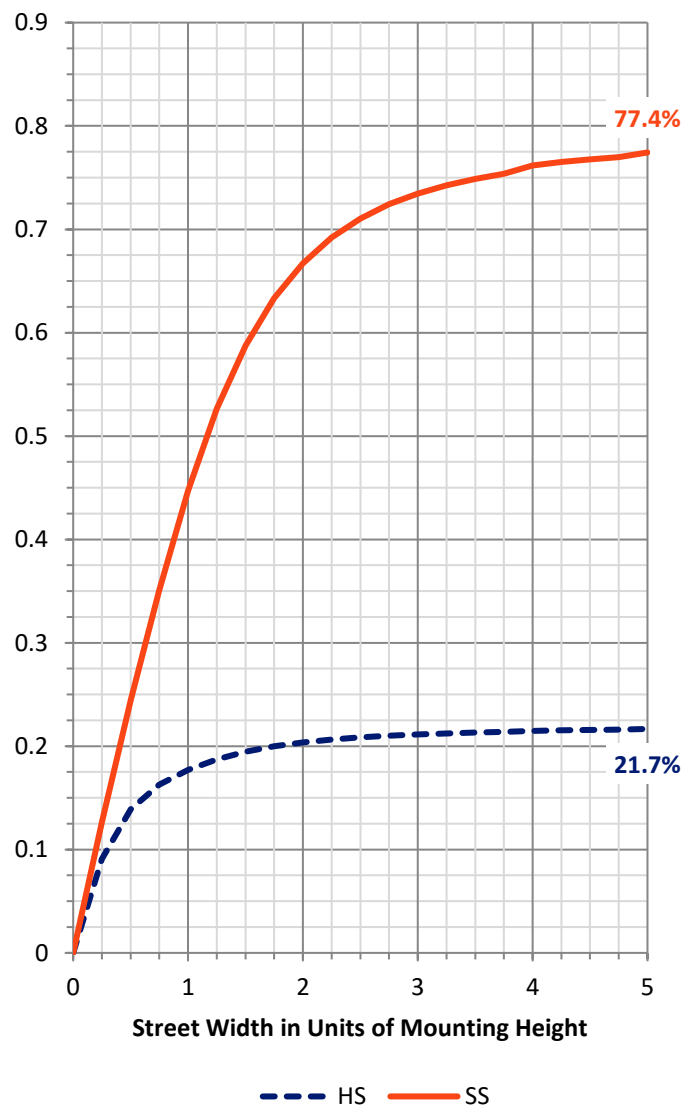
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4880.2	0.0	4880.2
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	17429.8	0.0	17429.8
	% Fixture	78.1	0.0	78.1
Total	Lumens	22310.0	0.0	22310.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	474.5	2.1
10°-20°	1258.9	5.6
20°-30°	2174.9	9.7
30°-40°	2527.5	11.3
40°-50°	3526.4	15.8
50°-60°	4785.0	21.4
60°-70°	4552.3	20.4
70°-80°	2459.3	11.0
80°-90°	551.2	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°	22310.0	100.0
0°-180°	22310.0	100.0

Coefficient of Utilization



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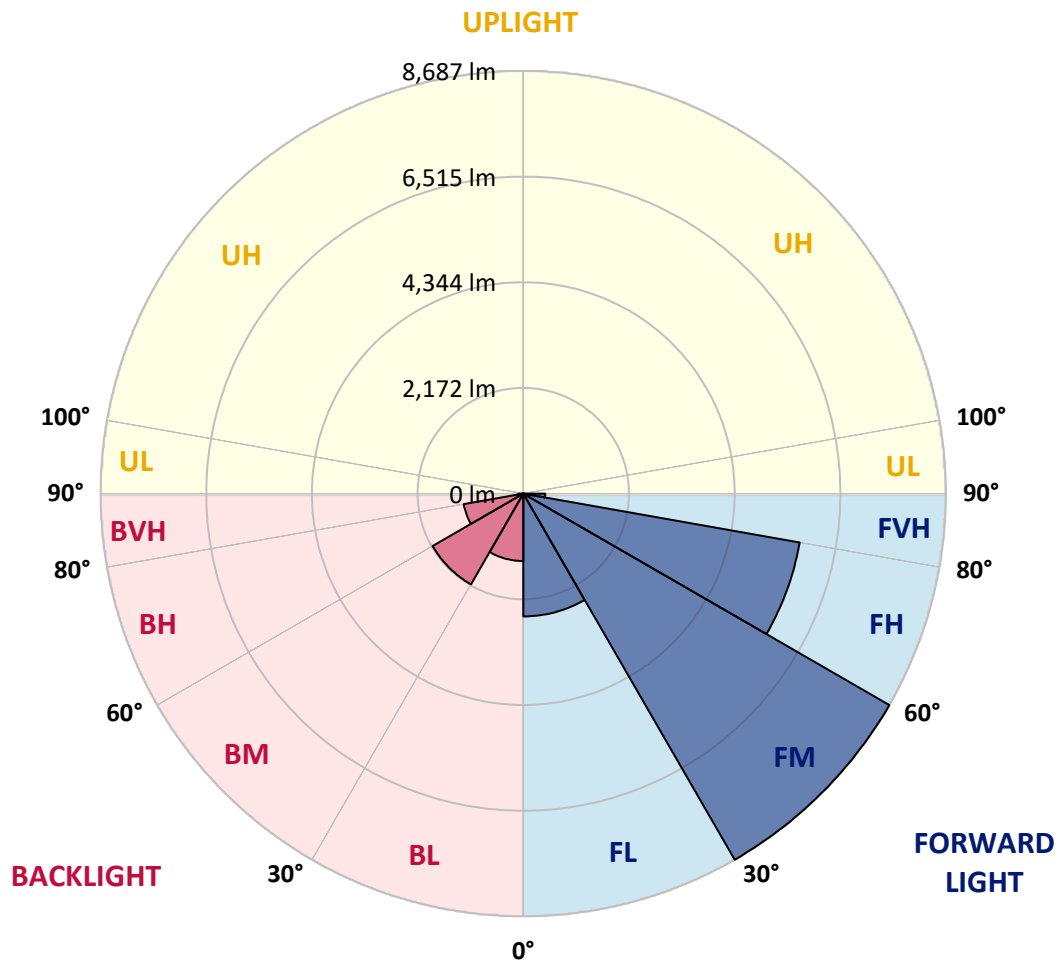
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2523.3	11.3			
FM	(30°-60°)	8687.0	38.9			
FH	(60°-80°)	5769.0	25.9			G3/7500
FVH	(80°-90°)	450.4	2.0			G3/500
BL	(0°-30°)	1385.0	6.2	B3/2500		
BM	(30°-60°)	2151.9	9.6	B2/2500		
BH	(60°-80°)	1242.6	5.6	B3/2500		G3/2500
BVH	(80°-90°)	100.7	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°	5598.9	5598.9	5598.9	5598.9	5598.9	5598.9	5598.9	5598.9	5598.9	5598.9	5598.9
2.5°	6220.1	6196.5	6130.3	5956.6	5781.4	5603.4	5466.5	5295.7	5117.6	5022.0	4899.8
5°	6305.4	6278.9	6122.9	5731.4	5376.7	5004.3	4707.0	4446.5	4340.5	4184.5	4059.4
7.5°	6105.3	6093.5	5859.5	5297.2	4811.5	4324.3	3987.3	3778.3	3588.4	3517.7	3532.5
10°	5922.7	5875.6	5582.7	4848.3	4281.6	3885.7	3644.3	3439.7	3305.8	3270.5	3277.8
12.5°	5771.1	5707.9	5362.0	4546.6	4050.5	3734.1	3426.5	3213.1	3090.9	3124.7	3239.6
15°	5740.2	5654.9	5269.2	4443.5	3924.0	3516.3	3179.2	2933.4	2842.2	2915.7	3099.7
17.5°	5940.4	5833.0	5428.2	4477.4	3803.3	3294.0	2880.4	2599.3	2522.8	2640.5	2880.4
20°	6583.6	6424.6	5924.2	4673.1	3791.5	3183.6	2706.7	2424.1	2456.5	2680.2	2930.5
22.5°	7772.9	7534.4	6792.6	4958.7	3853.3	3155.7	2671.4	2524.2	2702.3	2892.2	3057.0
25°	8008.4	7821.4	6948.6	5023.4	3840.1	3136.5	2771.5	2845.1	3043.8	3138.0	3080.6
27.5°	8140.8	7927.4	6938.3	4702.6	3433.8	2845.1	2649.3	2771.5	2821.5	2730.3	2574.3
30°	8449.9	8227.7	7113.5	4365.5	2827.4	2110.6	1850.1	1800.1	1833.9	1851.6	1795.7
32.5°	8875.3	8656.0	7443.2	4144.7	2444.8	1745.6	1489.5	1418.9	1402.7	1383.5	1361.5
35°	9425.8	9088.7	7767.0	4003.4	2287.3	1614.6	1379.1	1324.7	1302.6	1276.1	1252.5
37.5°	9985.1	9631.8	8176.2	3854.8	2182.8	1523.4	1305.5	1280.5	1242.2	1214.3	1180.4
40°	10579.7	10183.8	8548.5	3725.3	2081.2	1464.5	1252.5	1249.6	1199.6	1167.2	1127.4
42.5°	11094.8	10687.1	8881.2	3645.8	2003.2	1402.7	1220.2	1229.0	1177.5	1128.9	1077.4
45°	11504.0	11103.7	9188.8	3645.8	1939.9	1340.9	1214.3	1208.4	1156.9	1096.5	1037.7
47.5°	11863.2	11449.6	9489.1	3738.5	1900.2	1289.3	1181.9	1192.2	1139.2	1062.7	1005.3
50°	12141.3	11776.3	9893.8	3882.8	1860.4	1248.1	1140.7	1196.6	1124.5	1045.0	978.8
52.5°	12496.1	12169.3	10381.0	4080.0	1826.6	1202.5	1103.9	1196.6	1123.0	1046.5	974.4
55°	12987.7	12643.2	10968.3	4243.4	1772.1	1159.8	1071.5	1162.8	1118.6	1039.1	962.6
57.5°	13332.1	13074.5	11383.3	4352.3	1694.1	1105.4	1042.1	1130.4	1099.5	1011.2	927.3
58°	13348.3	13096.6	11443.7	4377.3	1675.0	1095.1	1034.7	1115.7	1090.6	999.4	915.5
60°	13162.8	12946.4	11455.5	4342.0	1566.1	1043.5	996.4	1055.3	1043.5	930.2	852.2
62.5°	12488.7	12257.6	10980.0	4055.0	1421.8	980.3	937.6	974.4	947.9	833.1	760.9
65°	11530.5	11105.2	10002.7	3604.6	1318.8	912.6	858.1	861.0	833.1	750.6	687.4
67.5°	10254.4	9779.0	8469.1	3037.9	1240.8	837.5	763.9	756.5	722.7	669.7	618.2
70°	8683.9	8358.7	6882.4	2471.2	1153.9	755.1	657.9	653.5	632.9	593.2	547.5
72.5°	7038.4	6624.8	5557.7	1978.2	1048.0	675.6	559.3	568.1	541.6	513.7	472.5
75°	5194.2	4923.4	4296.3	1586.7	905.2	588.7	466.6	469.5	457.7	428.3	395.9
77.5°	3420.6	3339.6	3073.2	1042.1	696.2	468.1	381.2	384.2	375.3	348.8	315.0
80°	2302.0	2247.5	2082.7	671.2	465.1	338.5	294.4	297.3	295.8	267.9	222.3
82.5°	1418.9	1395.3	1342.3	453.3	322.3	242.9	194.3	203.1	219.3	188.4	151.6
85°	669.7	671.2	811.0	247.3	189.9	156.0	106.0	113.3	113.3	113.3	85.4
87.5°	86.8	91.3	111.9	104.5	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°	5598.9	5598.9	5598.9	5598.9	5598.9	5598.9	5598.9	5598.9	5598.9	5598.9	5598.9
2.5°	4857.1	4827.7	4764.4	4749.7	4740.8	4765.9	4699.6	4717.3	4687.9	4770.3	4757.0
5°	4066.7	4069.7	4121.2	4155.0	4166.8	4155.0	4110.9	4034.4	3975.5	3951.9	3957.8
7.5°	3504.5	3556.0	3644.3	3742.9	3832.7	3859.2	3834.2	3688.5	3529.5	3429.4	3397.0
10°	3317.6	3386.7	3488.3	3566.3	3645.8	3709.1	3722.3	3609.0	3420.6	3183.6	3090.9
12.5°	3327.9	3422.1	3519.2	3544.2	3536.9	3561.9	3550.1	3531.0	3407.3	3105.6	2951.1
15°	3230.7	3342.6	3410.3	3397.0	3373.5	3351.4	3320.5	3271.9	3227.8	3015.8	2845.1
17.5°	3007.0	3121.8	3177.7	3182.2	3182.2	3176.3	3101.2	3083.5	3077.6	2974.6	2870.1
20°	3048.2	3111.5	3086.5	3045.3	3057.0	3096.8	3052.6	3043.8	3077.6	3123.3	3104.1
22.5°	3071.8	3049.7	2861.3	2678.8	2637.6	2761.2	2786.2	2884.8	3021.7	3186.6	3294.0
25°	2926.0	2748.0	2410.9	2204.8	2088.6	2203.4	2353.5	2536.0	2740.6	2952.5	3077.6
27.5°	2446.2	2310.8	2069.4	1884.0	1782.4	1800.1	1928.1	2094.5	2284.3	2427.1	2518.3
30°	1842.8	1782.4	1657.3	1594.0	1532.2	1517.5	1571.9	1635.2	1719.1	1736.8	1760.3
32.5°	1357.1	1348.2	1355.6	1335.0	1323.2	1321.7	1305.5	1320.3	1329.1	1339.4	1318.8
35°	1227.5	1215.8	1195.1	1189.3	1181.9	1184.8	1177.5	1170.1	1176.0	1184.8	1190.7
37.5°	1161.3	1143.6	1114.2	1103.9	1103.9	1108.3	1096.5	1093.6	1103.9	1131.9	1146.6
40°	1109.8	1089.2	1055.3	1042.1	1050.9	1062.7	1046.5	1040.6	1065.6	1095.1	1118.6
42.5°	1061.2	1045.0	1012.6	997.9	1005.3	1027.4	1003.8	999.4	1031.8	1064.2	1092.1
45°	1020.0	1003.8	974.4	967.0	970.0	990.6	974.4	974.4	1005.3	1040.6	1065.6
47.5°	987.6	967.0	947.9	942.0	944.9	956.7	953.8	953.8	983.2	1020.0	1045.0
50°	955.2	937.6	912.6	915.5	922.9	939.0	937.6	942.0	971.4	1017.1	1043.5
52.5°	940.5	914.0	886.1	889.0	911.1	930.2	924.3	928.7	962.6	1048.0	1086.2
55°	924.3	889.0	856.6	861.0	886.1	914.0	906.7	912.6	952.3	1068.6	1121.6
57.5°	893.4	852.2	816.9	819.8	856.6	886.1	874.3	881.6	928.7	1046.5	1102.4
58°	880.2	844.8	811.0	812.5	847.8	880.2	866.9	872.8	921.4	1040.6	1093.6
60°	824.2	803.6	774.2	775.7	809.5	837.5	830.1	836.0	883.1	997.9	1037.7
62.5°	747.7	735.9	728.6	728.6	749.2	775.7	783.0	790.4	833.1	902.2	937.6
65°	665.3	665.3	666.8	666.8	680.0	713.8	718.3	737.4	777.1	811.0	837.5
67.5°	609.3	606.4	609.3	602.0	607.9	628.5	650.6	668.2	709.4	733.0	741.8
70°	537.2	535.8	537.2	526.9	534.3	551.9	566.7	596.1	638.8	656.4	660.9
72.5°	466.6	466.6	469.5	462.2	462.2	481.3	491.6	524.0	563.7	574.0	575.5
75°	393.0	397.4	397.4	387.1	390.0	401.8	415.1	441.6	478.4	485.7	485.7
77.5°	312.0	328.2	328.2	317.9	322.3	323.8	341.5	354.7	382.7	385.6	373.9
80°	226.7	242.9	256.1	247.3	254.6	245.8	256.1	264.9	292.9	279.7	260.5
82.5°	161.9	173.7	184.0	185.5	178.1	161.9	175.2	176.6	189.9	172.2	161.9
85°	89.8	100.1	113.3	107.4	95.7	85.4	89.8	92.7	91.3	86.8	81.0
87.5°	23.5	25.0	28.0	20.6	19.1	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°	5598.9	5598.9	5598.9	5598.9	5598.9	5598.9	5598.9	5598.9	5598.9	5598.9	5598.9
2.5°	4767.3	4832.1	4971.9	5077.9	5207.4	5364.9	5550.4	5737.3	5938.9	6002.2	6090.5
5°	3944.6	4106.5	4174.2	4367.0	4558.3	4845.3	5151.5	5506.2	5894.8	6081.7	6261.3
7.5°	3370.5	3457.4	3528.0	3669.3	3898.9	4247.8	4631.9	5075.0	5625.4	5897.7	6161.2
10°	3061.5	3070.3	3157.1	3332.3	3532.5	3840.1	4203.6	4699.6	5313.4	5644.6	5953.7
12.5°	2856.9	2818.6	2912.8	3095.3	3322.0	3606.0	3940.2	4412.6	5088.2	5428.2	5802.1
15°	2677.3	2617.0	2687.6	2874.5	3098.3	3432.4	3791.5	4291.9	4999.9	5395.8	5810.9
17.5°	2681.7	2515.4	2540.4	2697.9	2920.2	3260.2	3695.8	4287.5	5133.8	5590.1	6081.7
20°	3012.9	2746.5	2633.1	2662.6	2877.5	3248.4	3740.0	4493.6	5573.9	6239.2	6764.6
22.5°	3338.2	3177.7	2995.2	2934.9	3052.6	3441.2	4021.1	4980.8	6530.6	7533.0	8482.3
25°	3224.8	3361.7	3316.1	3230.7	3257.2	3579.6	4212.5	5381.1	7273.9	8402.8	9294.8
27.5°	2580.2	2828.9	2878.9	2877.5	2887.8	3152.7	3788.6	5111.8	7366.6	8569.1	9421.3
30°	1813.3	1835.4	1861.9	1913.4	1960.5	2197.5	2964.3	4487.7	7325.4	8644.2	9497.9
32.5°	1308.5	1337.9	1374.7	1445.4	1557.2	1859.0	2593.4	4289.0	7543.3	8954.8	9721.6
35°	1196.6	1230.5	1265.8	1346.7	1452.7	1732.4	2446.2	4206.6	7900.9	9458.1	10123.4
37.5°	1161.3	1199.6	1230.5	1289.3	1374.7	1641.1	2312.3	4150.6	8267.4	9991.0	10662.1
40°	1136.3	1180.4	1205.4	1252.5	1311.4	1557.2	2193.1	4106.5	8622.1	10478.1	11094.8
42.5°	1114.2	1159.8	1192.2	1226.1	1274.6	1482.2	2087.1	4062.3	8929.7	10950.6	11526.1
45°	1087.7	1145.1	1186.3	1212.8	1255.5	1418.9	2006.1	4027.0	9280.0	11370.1	11961.8
47.5°	1065.6	1128.9	1180.4	1211.3	1227.5	1374.7	1941.4	4075.6	9701.0	11808.7	12366.5
50°	1067.1	1127.4	1192.2	1240.8	1198.1	1337.9	1901.6	4268.4	10248.5	12329.7	12685.9
52.5°	1114.2	1187.8	1239.3	1251.1	1156.9	1293.8	1881.0	4605.4	10896.1	12790.4	13008.3
55°	1167.2	1243.7	1299.6	1292.3	1134.8	1237.8	1876.6	4964.6	11605.6	13327.7	13427.7
57.5°	1148.0	1259.9	1345.3	1307.0	1136.3	1183.4	1857.5	5254.5	12198.7	13729.5	13842.8
58°	1142.2	1254.0	1351.2	1304.1	1131.9	1167.2	1853.1	5279.5	12281.2	13757.4	13901.7
60°	1084.8	1202.5	1346.7	1282.0	1106.8	1123.0	1804.5	5360.5	12259.1	13613.2	13937.0
62.5°	980.3	1077.4	1245.2	1174.5	1030.3	1064.2	1695.6	5260.4	11661.5	12918.5	13420.4
65°	862.5	934.6	1046.5	1033.2	921.4	1003.8	1546.9	4864.5	10464.9	11791.0	12319.4
67.5°	774.2	833.1	903.7	884.6	828.7	922.9	1386.5	4194.8	9122.6	10436.9	11102.2
70°	684.4	730.0	765.4	752.1	734.5	843.4	1243.7	3404.4	7836.2	9150.5	9795.2
72.5°	593.2	635.8	665.3	646.1	635.8	759.5	1127.4	2642.0	6189.2	7549.1	8377.8
75°	496.0	538.7	559.3	537.2	531.3	669.7	955.2	1973.8	4643.7	5819.7	6535.0
77.5°	384.2	429.8	456.3	448.9	451.9	550.5	771.3	1351.2	3320.5	3966.7	4720.2
80°	269.3	319.4	337.1	329.7	350.3	419.5	544.6	858.1	2290.2	2574.3	3105.6
82.5°	166.3	213.4	216.4	223.7	238.4	310.6	410.6	522.5	1438.0	1486.6	1872.2
85°	83.9	101.6	108.9	120.7	133.9	189.9	234.0	323.8	925.8	700.6	1046.5
87.5°	28.0	29.4	35.3	44.2	54.5	78.0	100.1	132.5	229.6	126.6	323.8
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	5598.9	5598.9	5598.9	5598.9	5598.9	5598.9	5598.9	5598.9	5598.9	5598.9
2.5°	6268.6	6393.7	6485.0	6568.9	6487.9	6480.6	6401.1	6273.0	6220.1	6220.1
5°	6638.1	6931.0	7167.9	7319.5	7254.8	7098.8	6841.2	6513.0	6336.3	6305.4
7.5°	6739.6	7318.1	7758.2	7914.2	7805.2	7460.8	6967.8	6414.3	6161.2	6105.3
10°	6677.8	7429.9	8076.1	8323.3	8171.7	7650.7	6978.1	6299.5	5987.5	5922.7
12.5°	6613.0	7444.6	8134.9	8492.6	8394.0	7803.8	7053.1	6224.5	5863.9	5771.1
15°	6660.1	7450.5	8062.8	8432.3	8495.6	7987.8	7176.8	6278.9	5838.9	5740.2
17.5°	6957.5	7562.4	7959.8	8258.6	8480.8	8238.0	7528.5	6539.5	6062.6	5940.4
20°	7578.6	7830.3	8018.7	8249.8	8607.4	8748.7	8248.3	7254.8	6691.1	6583.6
22.5°	9377.2	9331.6	8945.9	8941.5	9459.6	10026.3	9992.4	8709.0	7861.2	7772.9
25°	10051.3	9839.4	9281.5	9146.1	9374.2	10248.5	10122.0	9006.3	8223.3	8008.4
27.5°	9787.8	9262.4	8895.9	8865.0	8789.9	9615.6	9920.3	9127.0	8349.8	8140.8
30°	9771.6	8998.9	8474.9	8536.8	8608.9	9397.8	10032.2	9505.2	8673.6	8449.9
32.5°	9811.4	9035.7	8505.9	8517.6	8732.5	9430.2	10155.8	9917.4	9099.0	8875.3
35°	9971.8	9244.7	8703.1	8675.1	9010.7	9642.1	10366.3	10565.0	9680.4	9425.8
37.5°	10230.9	9661.3	9063.7	9056.3	9543.5	10024.8	10628.3	11218.5	10258.8	9985.1
40°	10612.1	10148.4	9705.4	9665.7	10267.7	10647.4	10968.3	11914.7	10931.5	10579.7
42.5°	11072.8	10732.8	10551.7	10709.2	11287.7	11346.5	11498.1	12557.9	11504.0	11094.8
45°	11499.6	11483.4	11735.1	12153.1	12490.2	12136.9	12051.6	12989.1	11948.5	11504.0
47.5°	12007.4	12446.0	13205.5	13817.8	14171.0	13056.8	12524.0	13270.2	12272.3	11863.2
50°	12522.5	13598.5	14811.3	15665.0	15740.0	14056.2	12849.3	13535.2	12566.7	12141.3
52.5°	13064.2	14518.4	16133.0	17125.0	16979.3	14926.1	13164.3	13714.8	12869.9	12496.1
55°	13535.2	15082.1	16871.9	17824.2	17610.8	15456.0	13504.3	13909.0	13302.6	12987.7
57.5°	13798.6	15129.2	16687.9	17519.5	17288.4	15352.9	13660.3	14053.3	13579.3	13332.1
58°	13836.9	15065.9	16524.5	17342.9	17107.4	15266.1	13658.8	14047.4	13597.0	13348.3
60°	13803.1	14655.3	15916.6	16645.2	16397.9	14721.5	13602.9	13937.0	13373.3	13162.8
62.5°	13489.6	13942.9	14867.2	15397.1	15326.4	13870.8	13373.3	13520.5	12691.8	12488.7
65°	13077.4	12971.5	13523.4	13898.7	13951.7	13233.5	13145.1	12619.7	11817.5	11530.5
67.5°	12577.0	11870.5	11869.0	12082.5	12170.8	12253.2	12669.7	11640.9	10557.6	10254.4
70°	11727.7	10173.5	9705.4	9957.1	9883.5	10579.7	11820.5	10266.2	9038.7	8683.9
72.5°	10170.5	8073.1	7324.0	7647.8	7462.3	8296.8	10342.7	8448.5	7474.1	7038.4
75°	8243.9	6039.0	5266.3	5563.6	5448.8	6293.7	8605.9	6136.2	5360.5	5194.2
77.5°	6401.1	4375.8	3926.9	3885.7	3971.1	4683.4	6312.8	4143.3	3533.9	3420.6
80°	4112.4	3132.1	3158.6	3105.6	3149.8	2952.5	3832.7	2643.5	2393.2	2302.0
82.5°	2706.7	2182.8	2602.2	2402.1	2281.4	1985.5	2513.9	1730.9	1468.9	1418.9
85°	1844.2	1607.3	1463.0	1118.6	1317.3	1529.3	1885.4	931.7	738.9	669.7
87.5°	833.1	559.3	410.6	253.2	400.3	462.2	915.5	108.9	83.9	86.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)