

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: P533046

Luminaire Tested: **GALN-SA8C-722-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533046
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-24)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA8C-722-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 2200K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31081 lumens
Efficiency: N/A
Efficacy: 72.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G3

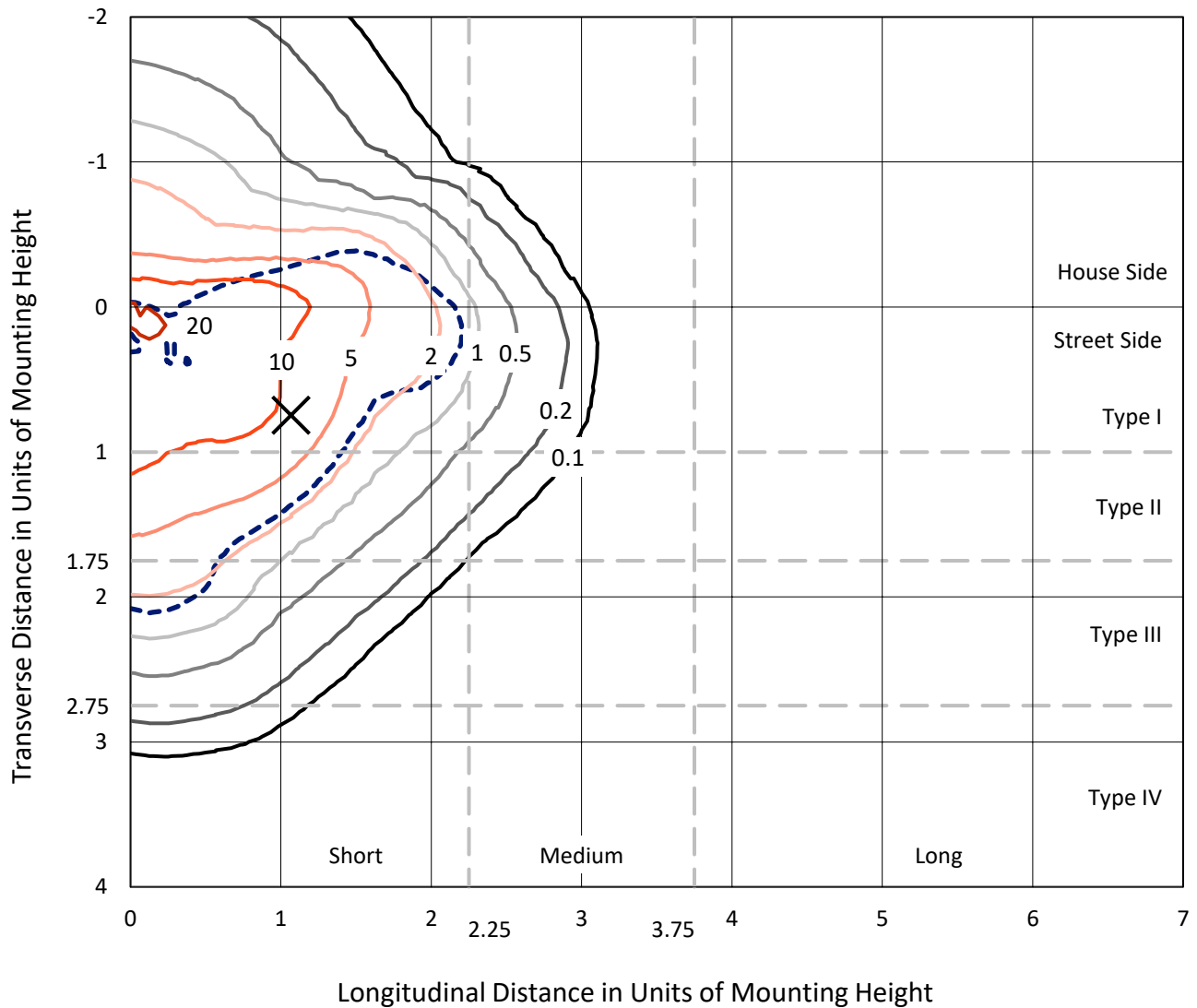
Input Watts (W): 429
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

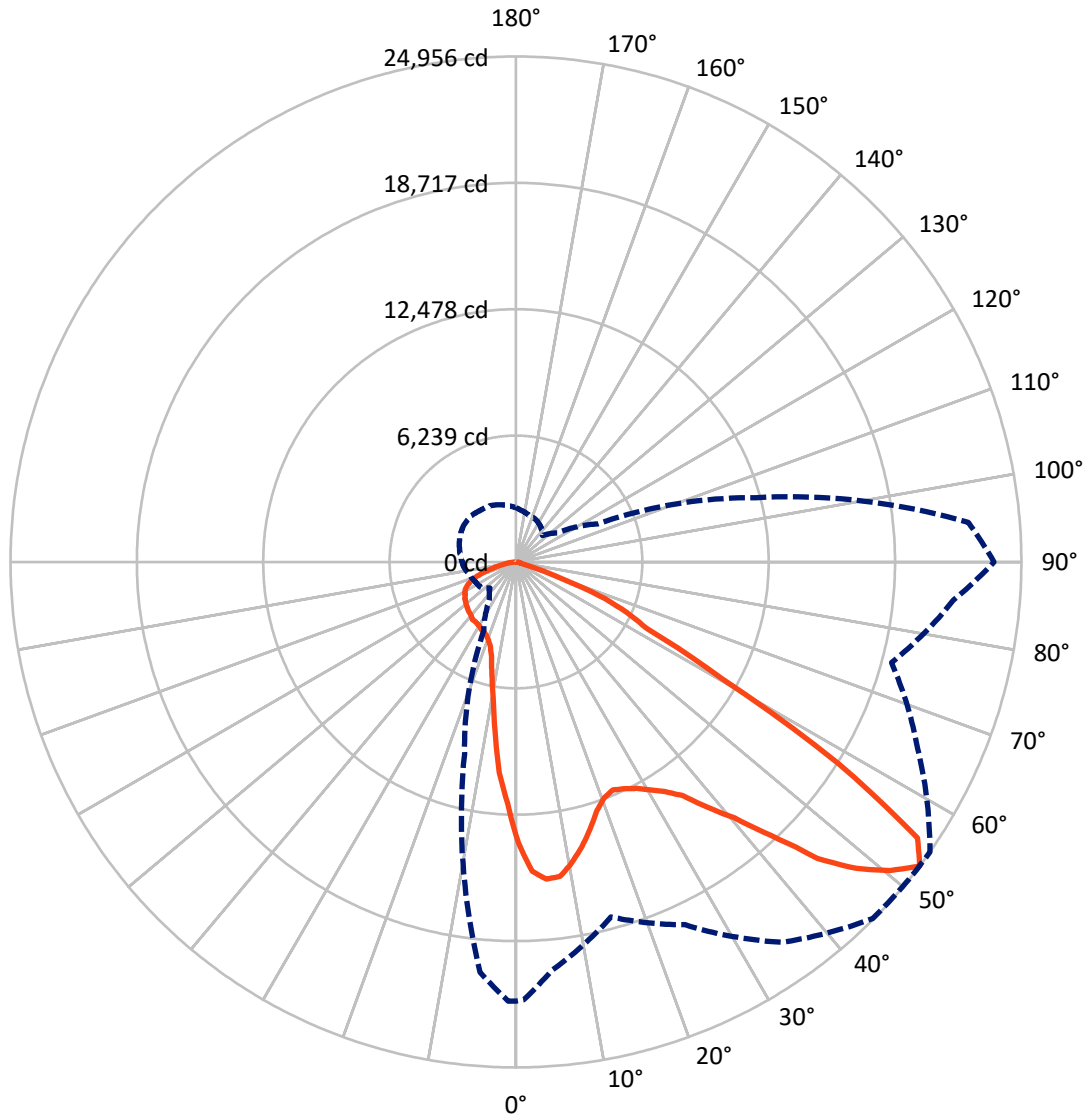
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 23.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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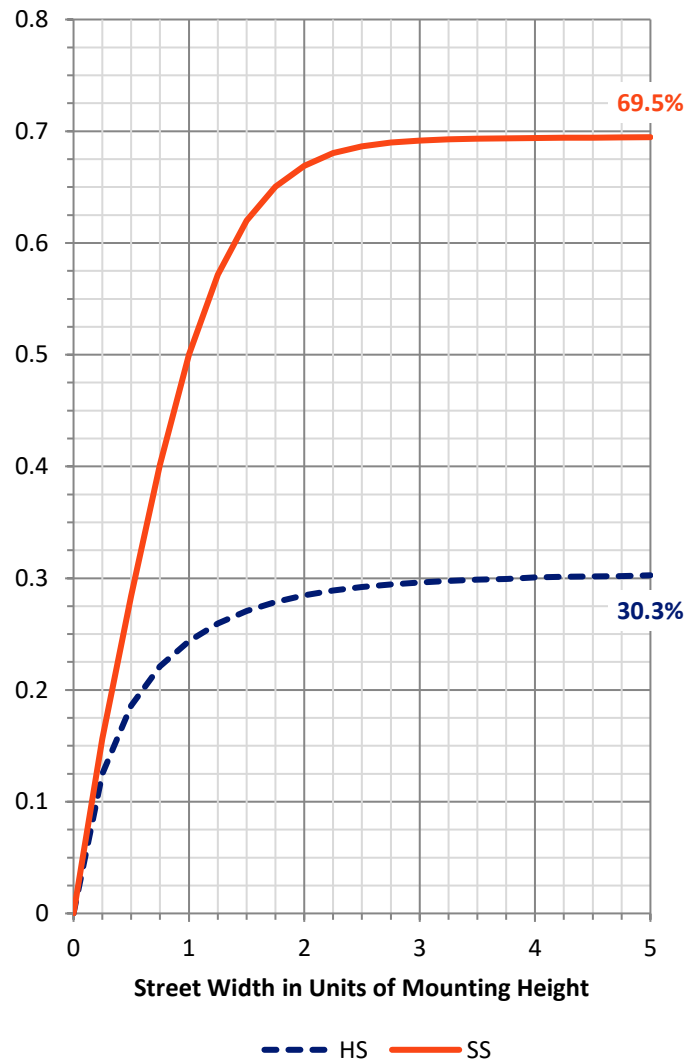
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9481.4	0.0	9481.4
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	21599.6	0.0	21599.6
	% Fixture	69.5	0.0	69.5
Total	Lumens	31081.0	0.0	31081.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1059.2	3.4
10°-20°	2283.8	7.3
20°-30°	3463.0	11.1
30°-40°	5003.5	16.1
40°-50°	6686.1	21.5
50°-60°	7463.2	24.0
60°-70°	4093.9	13.2
70°-80°	885.1	2.8
80°-90°	143.2	0.5
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°	31081.0	100.0
0°-180°	31081.0	100.0



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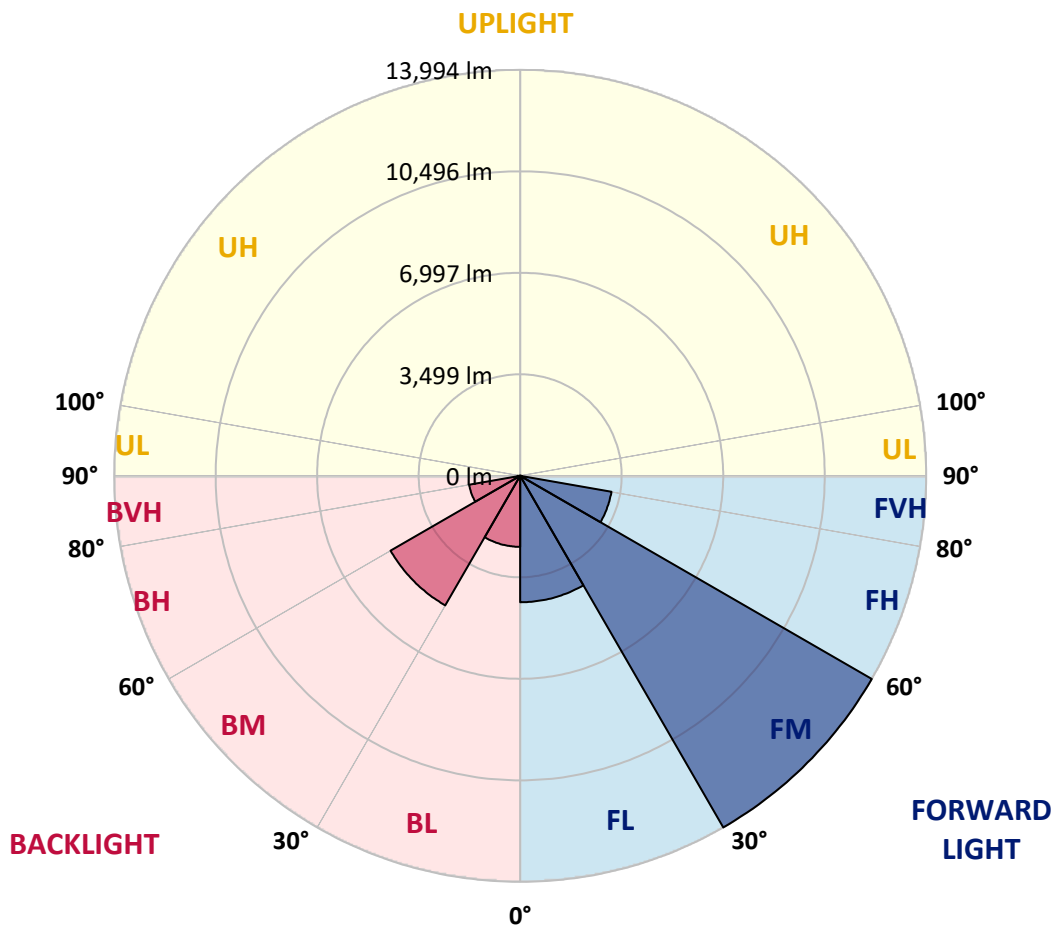
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4358.1	14.0			
FM (30°-60°)	13994.1	45.0			
FH (60°-80°)	3194.3	10.3			G2/5000
FVH (80°-90°)	53.0	0.2			G1/100
BL (0°-30°)	2448.0	7.9	B3/2500		
BM (30°-60°)	5158.6	16.6	B4/8500		
BH (60°-80°)	1784.6	5.7	B3/2500		G3/2500
BVH (80°-90°)	90.2	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	13864.5	13864.5	13864.5	13864.5	13864.5	13864.5	13864.5	13864.5	13864.5	13864.5	13864.5
2.5°	14549.8	14468.1	14540.7	14885.6	15085.3	15221.5	15307.7	15294.1	14967.3	14649.7	14649.7
5°	14123.2	14018.8	14168.6	14949.2	15734.3	15802.4	15915.8	15729.8	15248.7	14667.8	13941.7
7.5°	12888.8	12965.9	13215.6	14241.2	15262.3	15775.2	15911.3	15675.3	14894.7	13810.1	12743.6
10°	11822.3	12003.8	12580.2	13687.5	14627.0	15294.1	15443.9	15112.6	14495.4	13165.6	12212.6
12.5°	11454.7	11341.2	11981.1	13088.5	13987.1	14345.6	14413.7	14436.4	14018.8	12838.9	11677.1
15°	11409.3	11481.9	11981.1	12820.7	13374.4	13392.5	13506.0	13683.0	13737.5	13061.2	11926.7
17.5°	12062.8	11976.6	12489.4	13156.6	12893.3	12630.1	12657.3	12911.5	13360.8	13251.9	12711.8
20°	13029.5	13224.6	13628.5	13560.5	12852.5	12185.4	12189.9	12430.4	13315.4	14041.5	13805.5
22.5°	14636.0	14826.7	15126.2	14304.7	12852.5	12053.7	11899.4	12226.2	13605.8	14981.0	15040.0
25°	16101.9	16451.4	16533.1	15566.4	13496.9	12176.3	12076.4	12398.7	13896.3	15897.7	16455.9
27.5°	17436.2	17563.3	17921.8	16378.8	13855.5	12258.0	12248.9	12661.9	14263.9	16356.1	17722.1
30°	18489.1	18475.5	18679.7	16891.6	14427.3	12716.3	12276.1	13056.7	14745.0	17114.0	18893.0
32.5°	19206.1	19360.4	19791.6	17604.1	14667.8	13152.0	12807.1	13519.6	15330.4	17472.5	19718.9
35°	20467.8	20735.5	20190.9	17998.9	15430.2	13583.2	13179.2	14150.4	15620.9	17862.8	20731.0
37.5°	21656.8	21452.6	20898.9	18212.2	15924.9	14381.9	14005.2	15371.2	16524.0	18711.4	21402.7
40°	22419.2	22414.7	21429.9	18384.7	16274.4	15602.7	15580.0	16610.2	17631.3	19247.0	22156.0
42.5°	22750.5	23068.2	21647.7	18366.5	17009.6	17082.2	17540.6	18461.8	18416.5	19355.9	22137.9
44°	23204.4	23395.0	22024.4	18407.4	17499.7	18080.6	19160.7	19746.2	19101.7	19296.9	22115.2
45°	23186.2	23199.8	21488.9	18461.8	17917.2	18915.7	19882.3	20871.7	19705.3	19169.8	22414.7
47.5°	22655.2	22500.9	21035.1	18057.9	19219.7	21121.3	22015.3	22614.4	20449.6	18897.5	22042.6
50°	21606.9	21429.9	19932.2	17885.5	19492.0	22491.9	23726.3	23944.1	21125.8	18629.8	21675.0
52.5°	21679.5	21629.6	20245.4	18144.2	19764.3	22923.0	24901.7	24956.2	21892.8	19192.5	21679.5
55°	22977.5	22805.0	21144.0	18466.4	19564.6	22419.2	24152.9	24057.6	21634.1	18852.1	22078.9
57.5°	21026.0	21139.4	19900.5	17191.1	17123.0	18225.8	18988.3	18752.3	18053.4	17014.1	20540.4
60°	16964.2	17286.4	17404.4	14377.4	12920.6	12353.3	12126.4	11708.8	11826.8	13978.0	18044.3
62.5°	14549.8	14531.7	15271.4	13034.0	8463.9	7279.4	7170.5	7265.8	8627.3	13760.1	17672.2
65°	11536.4	11845.0	12071.9	11046.2	6698.5	5405.1	5400.6	6004.2	7465.5	11500.1	14268.4
67.5°	7324.8	7728.7	8010.1	7066.1	4479.3	3848.5	3744.1	4470.2	5173.7	7542.7	8591.0
70°	4129.9	4320.5	4447.5	4075.4	2850.1	1996.9	1878.9	2051.3	3126.9	4883.2	5092.0
72.5°	1592.9	1679.2	1851.6	1865.2	1075.6	644.4	521.9	626.3	1316.1	1933.3	1842.6
75°	245.1	263.2	372.1	444.8	308.6	236.0	249.6	258.7	367.6	499.2	417.5
77.5°	118.0	118.0	113.5	131.6	154.3	167.9	181.5	199.7	217.8	240.5	231.5
80°	77.2	77.2	77.2	90.8	113.5	136.1	154.3	163.4	172.5	190.6	181.5
82.5°	49.9	49.9	49.9	68.1	90.8	113.5	122.5	145.2	163.4	190.6	177.0
85°	27.2	27.2	27.2	45.4	68.1	95.3	90.8	72.6	40.8	4.5	9.1
87.5°	9.1	9.1	9.1	9.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	13864.5	13864.5	13864.5	13864.5	13864.5	13864.5	13864.5	13864.5	13864.5	13864.5	13864.5
2.5°	14268.4	14059.7	14041.5	13614.9	13233.7	13047.6	12897.9	12480.3	12571.1	12330.6	12326.0
5°	13578.6	13152.0	12462.2	11894.9	11327.6	11214.2	10719.5	10288.3	10302.0	9993.4	10047.8
7.5°	12339.7	12044.7	11205.1	10315.6	9562.2	9026.7	8559.2	8277.9	7919.3	7796.8	7733.3
10°	11554.5	11191.5	10247.5	9131.1	8286.9	8001.0	7551.7	7302.1	6934.5	6753.0	6625.9
12.5°	11209.6	10678.6	9498.7	8364.1	7801.4	7506.4	7125.1	6671.3	6235.6	6067.7	5836.3
15°	11245.9	10610.6	9280.8	8055.5	7379.3	6807.5	6467.1	5963.3	5518.6	5223.6	5055.7
17.5°	11795.1	11023.5	9380.7	7819.5	6848.3	6131.3	5464.1	4919.5	4565.5	4343.2	4288.7
20°	13093.0	12044.7	9548.6	7438.3	6317.3	5423.3	4601.8	4034.6	3762.3	3757.7	3762.3
22.5°	14173.1	13133.9	9889.0	7211.4	5786.3	4515.6	3698.7	3517.2	3462.7	3576.2	3589.8
25°	15629.9	14359.2	10474.4	7093.4	5296.2	3848.5	3344.7	3276.7	3272.1	3417.3	3421.9
27.5°	17123.0	15430.2	10823.9	6748.5	4797.0	3503.6	3131.4	3117.8	3190.4	3344.7	3331.1
30°	18139.6	16328.8	11454.7	6335.5	4207.0	3199.5	3045.2	3063.4	3163.2	3281.2	3299.3
32.5°	19324.1	17213.8	11618.1	6108.6	3843.9	2945.4	2836.4	2877.3	3004.4	3190.4	3290.3
35°	20681.1	17840.1	11867.7	5800.0	3707.8	2750.2	2695.8	2741.1	2895.4	3018.0	3126.9
37.5°	21684.0	18947.4	11913.1	5559.4	3558.0	2641.3	2555.1	2704.8	2795.6	2968.1	3022.5
40°	22428.3	19750.7	12031.1	5409.7	3440.0	2500.6	2500.6	2600.5	2723.0	2881.8	2990.7
42.5°	22904.8	20336.2	12117.3	5273.5	3213.1	2459.8	2437.1	2536.9	2700.3	2854.6	2904.5
44°	23195.3	20585.8	12031.1	5146.4	3149.6	2409.8	2409.8	2496.1	2623.1	2804.7	2863.7
45°	23267.9	20898.9	11840.4	5141.9	3072.4	2350.8	2341.8	2505.1	2591.4	2813.8	2850.1
47.5°	23549.3	21284.7	11863.1	4996.7	2886.4	2210.2	2369.0	2441.6	2518.8	2713.9	2836.4
50°	23540.2	21525.2	11813.2	4783.4	2750.2	2051.3	2314.5	2396.2	2473.4	2673.1	2723.0
52.5°	23603.7	22423.8	12271.6	4443.0	2505.1	1847.1	2133.0	2314.5	2409.8	2577.8	2682.1
55°	23572.0	22936.6	12725.4	4188.9	2160.2	1724.6	1978.7	2192.0	2328.2	2505.1	2555.1
57.5°	21529.7	20272.6	11776.9	3712.3	1788.1	1579.3	1760.9	2064.9	2237.4	2418.9	2482.5
60°	17590.5	15625.4	9712.0	2732.1	1470.4	1452.3	1638.3	2024.1	2096.7	2255.5	2364.5
62.5°	16256.2	13705.7	7701.5	2087.6	1257.1	1329.7	1511.3	1828.9	1942.4	2137.5	2237.4
65°	12720.9	9103.8	4769.8	1411.4	1107.3	1193.6	1366.0	1602.0	1788.1	1969.6	2087.6
67.5°	7533.6	4974.0	2359.9	989.4	966.7	1057.4	1234.4	1411.4	1624.7	1824.4	1883.4
70°	4102.6	2446.1	1007.5	753.4	821.4	903.1	1075.6	1198.1	1402.3	1556.6	1656.5
72.5°	1316.1	744.3	503.8	558.2	626.3	721.6	826.0	975.7	1121.0	1211.7	1293.4
75°	317.7	313.1	358.5	390.3	453.8	526.4	612.7	689.8	803.3	889.5	962.1
77.5°	222.4	240.5	276.8	322.2	344.9	372.1	426.6	485.6	535.5	599.1	644.4
80°	172.5	186.1	213.3	236.0	258.7	281.4	308.6	331.3	363.1	403.9	426.6
82.5°	163.4	172.5	199.7	213.3	204.2	199.7	217.8	226.9	231.5	245.1	258.7
85°	13.6	0.0	9.1	31.8	77.2	113.5	122.5	122.5	118.0	127.1	127.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	18.2	13.6
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°	13864.5	13864.5	13864.5	13864.5	13864.5	13864.5	13864.5	13864.5	13864.5	13864.5	13864.5
2.5°	12271.6	12117.3	12176.3	12248.9	12144.5	11904.0	11967.5	11940.3	12185.4	12167.2	12412.3
5°	10288.3	10047.8	10075.0	10429.0	10315.6	10438.1	10193.0	10161.3	10206.7	10229.3	10270.2
7.5°	7874.0	7842.2	8114.5	8414.0	8554.7	8409.5	8169.0	8114.5	8064.6	7964.7	8191.6
10°	6426.2	6435.3	6417.2	6644.1	6802.9	6771.2	6625.9	6607.8	6512.5	6476.2	6603.2
12.5°	5736.4	5613.9	5554.9	5482.3	5604.8	5686.5	5623.0	5577.6	5582.1	5627.5	5645.7
15°	5069.3	4992.1	4865.1	4783.4	4842.4	4801.5	4778.8	4869.6	4846.9	4837.8	4946.8
17.5°	4320.5	4384.0	4374.9	4284.2	4361.3	4329.5	4325.0	4261.5	4175.2	4111.7	4148.0
20°	3825.8	3943.8	4034.6	4039.1	4079.9	4075.4	4007.3	3812.2	3748.6	3735.0	3744.1
22.5°	3648.8	3712.3	3821.3	3975.6	3975.6	3902.9	3821.3	3594.3	3535.3	3471.8	3444.6
25°	3508.1	3630.6	3771.3	3789.5	3862.1	3794.0	3662.4	3549.0	3426.4	3340.2	3340.2
27.5°	3435.5	3571.6	3676.0	3707.8	3807.6	3753.2	3617.0	3471.8	3326.6	3322.0	3244.9
30°	3403.7	3530.8	3598.9	3676.0	3721.4	3635.2	3594.3	3440.0	3294.8	3258.5	3131.4
32.5°	3308.4	3490.0	3617.0	3598.9	3635.2	3598.9	3539.9	3412.8	3249.4	3167.7	3154.1
35°	3199.5	3381.0	3517.2	3612.5	3635.2	3558.0	3521.7	3349.3	3126.9	3086.0	2945.4
37.5°	3140.5	3249.4	3417.3	3571.6	3603.4	3562.6	3440.0	3263.0	3040.7	2995.3	2872.7
40°	3067.9	3208.6	3340.2	3467.3	3562.6	3462.7	3322.0	3149.6	3049.7	2913.6	2877.3
42.5°	3013.4	3172.3	3281.2	3421.9	3530.8	3399.2	3235.8	3117.8	2977.1	2886.4	2782.0
44°	2995.3	3140.5	3213.1	3385.6	3476.3	3376.5	3240.4	3117.8	2954.4	2872.7	2782.0
45°	2931.7	3131.4	3208.6	3362.9	3440.0	3358.3	3185.9	3063.4	2945.4	2845.5	2750.2
47.5°	2868.2	3004.4	3136.0	3258.5	3313.0	3285.7	3140.5	2990.7	2850.1	2791.1	2700.3
50°	2850.1	2986.2	3108.7	3222.2	3285.7	3231.3	3099.7	2954.4	2791.1	2695.8	2618.6
52.5°	2759.3	2927.2	3063.4	3099.7	3181.4	3149.6	3049.7	2890.9	2736.6	2654.9	2591.4
55°	2627.7	2804.7	2990.7	3036.1	3154.1	3104.2	2954.4	2804.7	2673.1	2550.5	2468.8
57.5°	2577.8	2750.2	2931.7	2990.7	3063.4	2981.7	2945.4	2786.5	2577.8	2514.2	2387.1
60°	2450.7	2668.5	2818.3	2954.4	2959.0	2936.3	2872.7	2691.2	2518.8	2400.8	2310.0
62.5°	2350.8	2555.1	2673.1	2800.1	2877.3	2813.8	2750.2	2582.3	2396.2	2264.6	2160.2
65°	2205.6	2391.7	2491.5	2568.7	2654.9	2645.8	2536.9	2414.4	2219.2	2114.9	2015.0
67.5°	1983.2	2146.6	2282.8	2355.4	2409.8	2396.2	2314.5	2228.3	2028.6	1924.2	1851.6
70°	1715.5	1883.4	1969.6	2010.5	2064.9	2092.2	2028.6	1987.8	1810.8	1674.6	1606.6
72.5°	1379.6	1488.6	1615.6	1651.9	1674.6	1692.8	1692.8	1656.5	1475.0	1420.5	1302.5
75°	1016.6	1102.8	1198.1	1198.1	1239.0	1243.5	1252.6	1229.9	1093.7	1021.1	993.9
77.5°	689.8	753.4	830.5	862.3	889.5	885.0	880.4	816.9	744.3	712.5	685.3
80°	449.3	512.8	549.1	590.0	617.2	612.7	621.7	576.4	544.6	490.1	499.2
82.5°	267.8	317.7	354.0	403.9	403.9	417.5	417.5	403.9	372.1	344.9	344.9
85°	127.1	167.9	190.6	222.4	240.5	245.1	217.8	186.1	154.3	140.7	154.3
87.5°	22.7	31.8	45.4	40.8	49.9	45.4	45.4	45.4	45.4	36.3	40.8
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°	13864.5	13864.5	13864.5	13864.5	13864.5	13864.5	13864.5	13864.5	13864.5	13864.5
2.5°	12321.5	12548.4	12707.3	12970.5	13424.3	13787.4	14159.5	14436.4	14468.1	14549.8
5°	10420.0	10542.5	10946.4	11472.8	11845.0	12457.7	12852.5	13569.5	13837.3	14123.2
7.5°	8137.2	8336.9	8876.9	9230.9	10047.8	10814.8	11609.0	12494.0	12847.9	12888.8
10°	6861.9	7152.4	7520.0	8087.3	8532.0	9385.2	10374.6	11359.4	11754.2	11822.3
12.5°	6026.9	6399.0	6889.2	7297.6	7724.2	8468.5	9417.0	10633.3	11146.1	11454.7
15°	5223.6	5609.3	6149.4	6716.7	7093.4	7982.9	9099.3	10469.9	11137.0	11409.3
17.5°	4397.6	4756.1	5200.9	5813.6	6571.5	7569.9	9049.4	11014.5	11745.1	12062.8
20°	3689.6	3889.3	4406.7	5037.5	5986.0	7147.8	9067.5	11817.8	12888.8	13029.5
22.5°	3412.8	3458.2	3662.4	4243.3	5282.6	6716.7	9389.8	12956.9	14173.1	14636.0
25°	3199.5	3190.4	3244.9	3635.2	4769.8	6548.8	9707.4	14005.2	15598.2	16101.9
27.5°	3081.5	2990.7	2995.3	3362.9	4406.7	6276.5	10115.9	15207.9	17213.8	17436.2
30°	3022.5	3004.4	2949.9	3099.7	4011.9	5868.0	10184.0	16392.4	18166.8	18489.1
32.5°	2986.2	2809.2	2741.1	2795.6	3639.7	5423.3	10438.1	17173.0	19346.8	19206.1
35°	2804.7	2645.8	2600.5	2654.9	3376.5	5173.7	10270.2	17853.7	20231.8	20467.8
37.5°	2736.6	2595.9	2505.1	2459.8	3131.4	4964.9	10184.0	18902.1	21089.5	21656.8
40°	2673.1	2523.3	2414.4	2369.0	2940.8	4688.1	10156.7	19709.9	22078.9	22419.2
42.5°	2600.5	2505.1	2382.6	2300.9	2709.4	4411.2	9843.6	19959.5	22382.9	22750.5
44°	2577.8	2432.5	2305.5	2278.2	2618.6	4270.5	9780.1	20186.4	22646.2	23204.4
45°	2555.1	2418.9	2273.7	2237.4	2586.8	4193.4	9693.8	20240.9	23081.8	23186.2
47.5°	2491.5	2405.3	2264.6	2164.8	2518.8	4025.5	9435.1	19932.2	22637.1	22655.2
50°	2441.6	2341.8	2196.5	2001.4	2428.0	3884.8	9553.1	19818.8	21566.0	21606.9
52.5°	2387.1	2237.4	2155.7	1819.9	2278.2	3766.8	9802.7	20331.6	21688.6	21679.5
55°	2323.6	2160.2	1960.5	1665.6	2028.6	3617.0	10406.3	21343.7	22823.1	22977.5
57.5°	2223.8	2083.1	1797.2	1529.4	1742.7	3331.1	10211.2	19405.8	20998.8	21026.0
60°	2092.2	1960.5	1629.3	1425.0	1429.6	2627.7	9131.1	15121.6	16569.4	16964.2
62.5°	1965.1	1892.5	1488.6	1275.3	1216.3	2092.2	7719.7	12566.6	14223.1	14549.8
65°	1815.3	1638.3	1366.0	1161.8	1043.8	1465.9	5468.7	9389.8	11096.2	11536.4
67.5°	1624.7	1434.1	1202.7	1021.1	894.0	980.3	2822.8	5337.0	7066.1	7324.8
70°	1420.5	1243.5	1012.0	862.3	721.6	676.2	1243.5	2546.0	3862.1	4129.9
72.5°	1166.3	1003.0	807.8	680.7	540.1	467.4	417.5	680.7	1370.6	1592.9
75°	844.1	730.7	608.1	485.6	381.2	299.5	245.1	204.2	226.9	245.1
77.5°	621.7	531.0	449.3	344.9	267.8	213.3	167.9	127.1	122.5	118.0
80°	485.6	431.1	358.5	276.8	208.8	158.8	118.0	86.2	77.2	77.2
82.5°	381.2	354.0	295.0	226.9	172.5	127.1	86.2	59.0	49.9	49.9
85°	145.2	145.2	213.3	186.1	131.6	90.8	59.0	31.8	27.2	27.2
87.5°	36.3	36.3	36.3	36.3	31.8	27.2	27.2	13.6	9.1	9.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)