

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: P951344

Luminaire Tested: **GALN-SB5C-740-U-RW**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P951344  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB5C-740-U-RW  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR  
WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

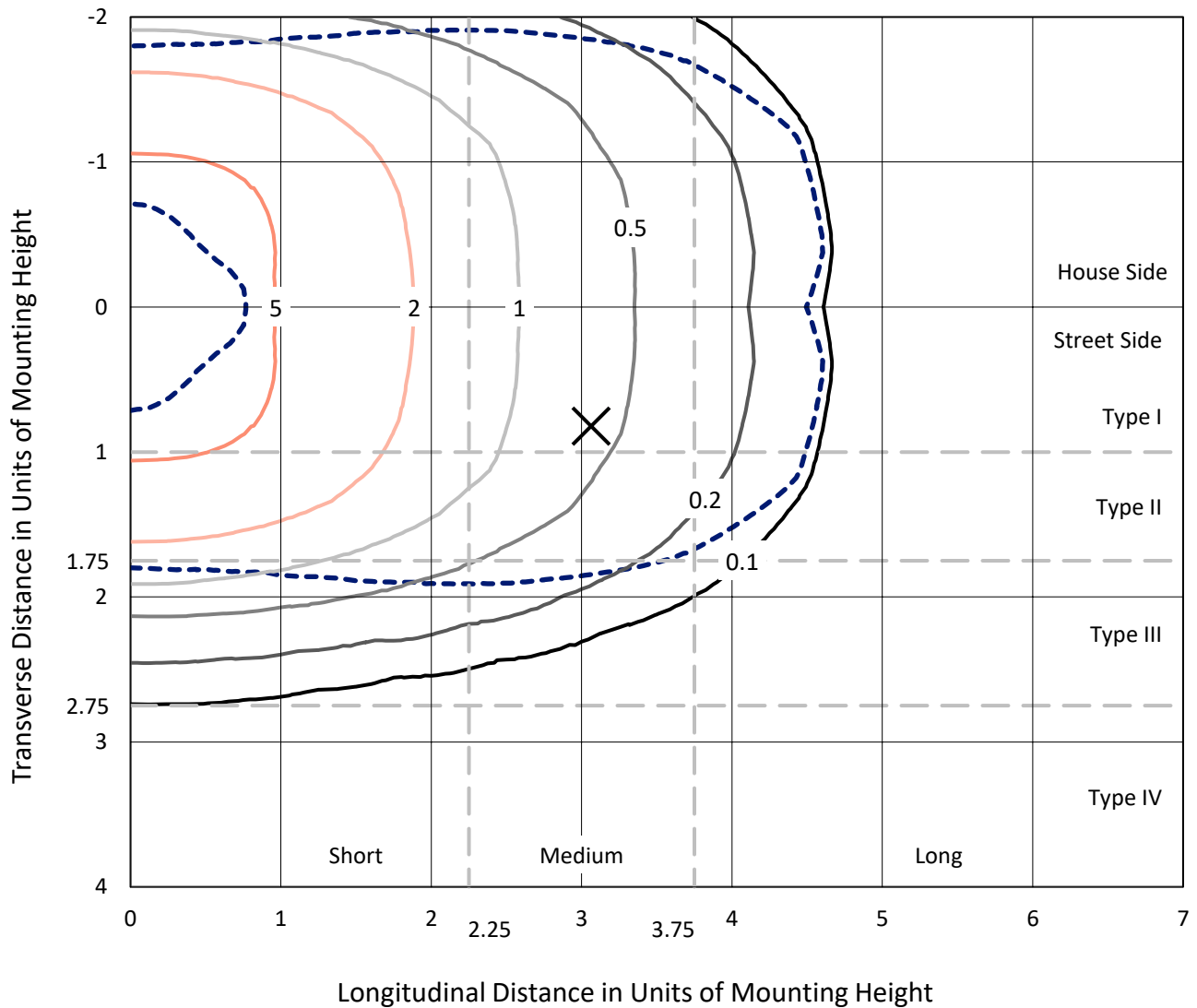
Lumens per Lamp: N/A  
Luminaire Lumens: 41215 lumens  
Efficiency: N/A  
Efficacy: 165.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B5 - U0 - G5  
  
Input Watts (W): 249.5  
Input Voltage (V): NR  
Input Current (Ain): 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

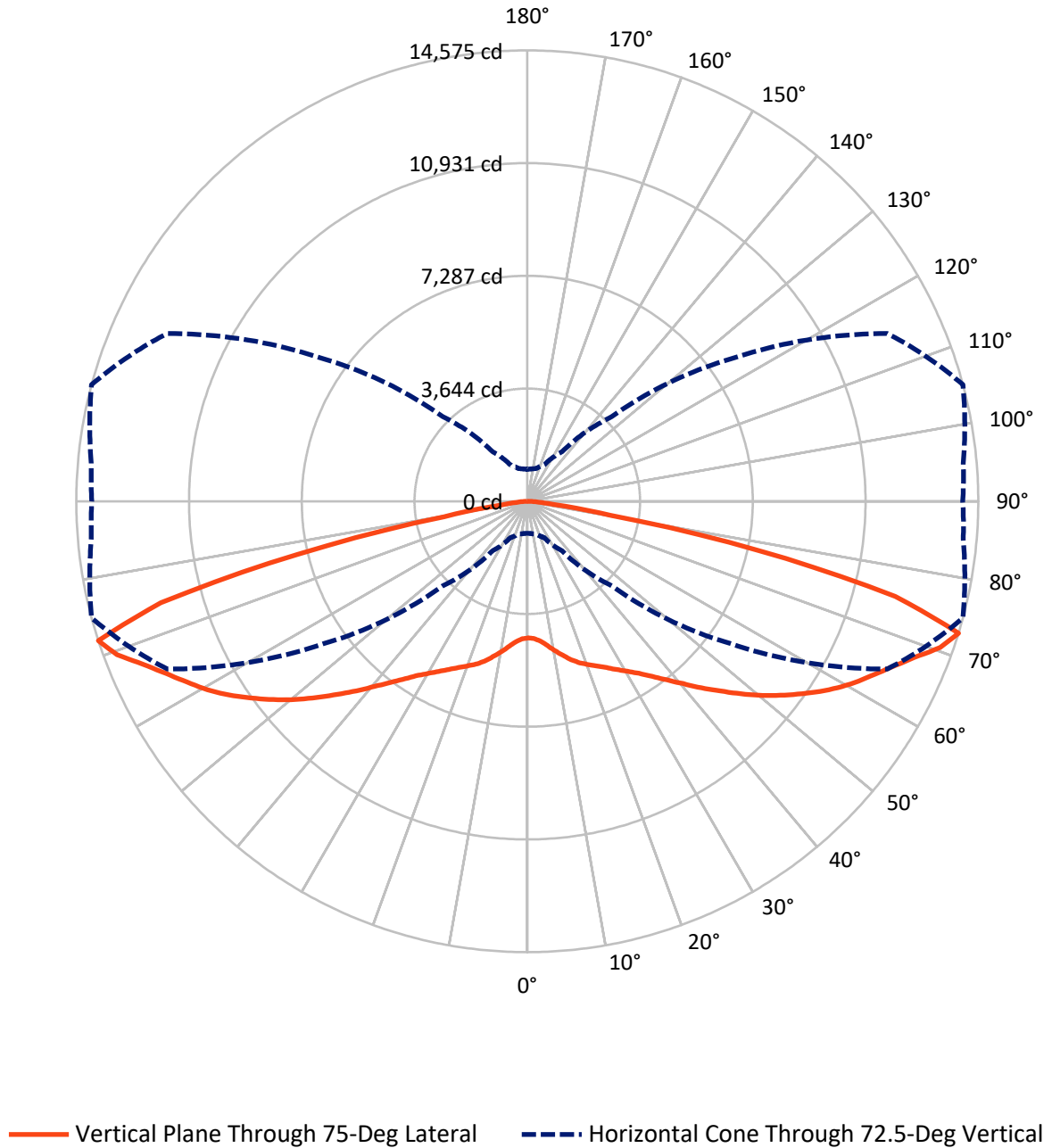
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.7 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



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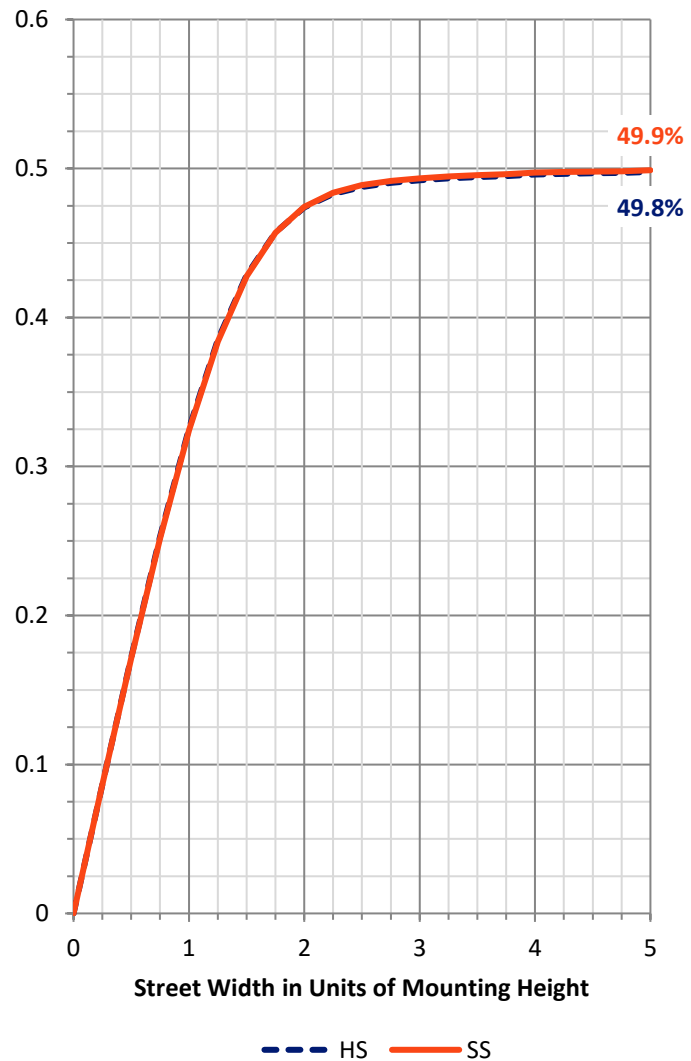
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	20607.5	0.0	20607.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	20607.5	0.0	20607.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	41215.0	0.0	41215.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	432.5	1.0
10°-20°	1426.4	3.5
20°-30°	2756.2	6.7
30°-40°	4654.0	11.3
40°-50°	7380.7	17.9
50°-60°	9881.9	24.0
60°-70°	9404.4	22.8
70°-80°	4907.4	11.9
80°-90°	371.5	0.9
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°	41215.0	100.0
0°-180°	41215.0	100.0

**Coefficient of Utilization**



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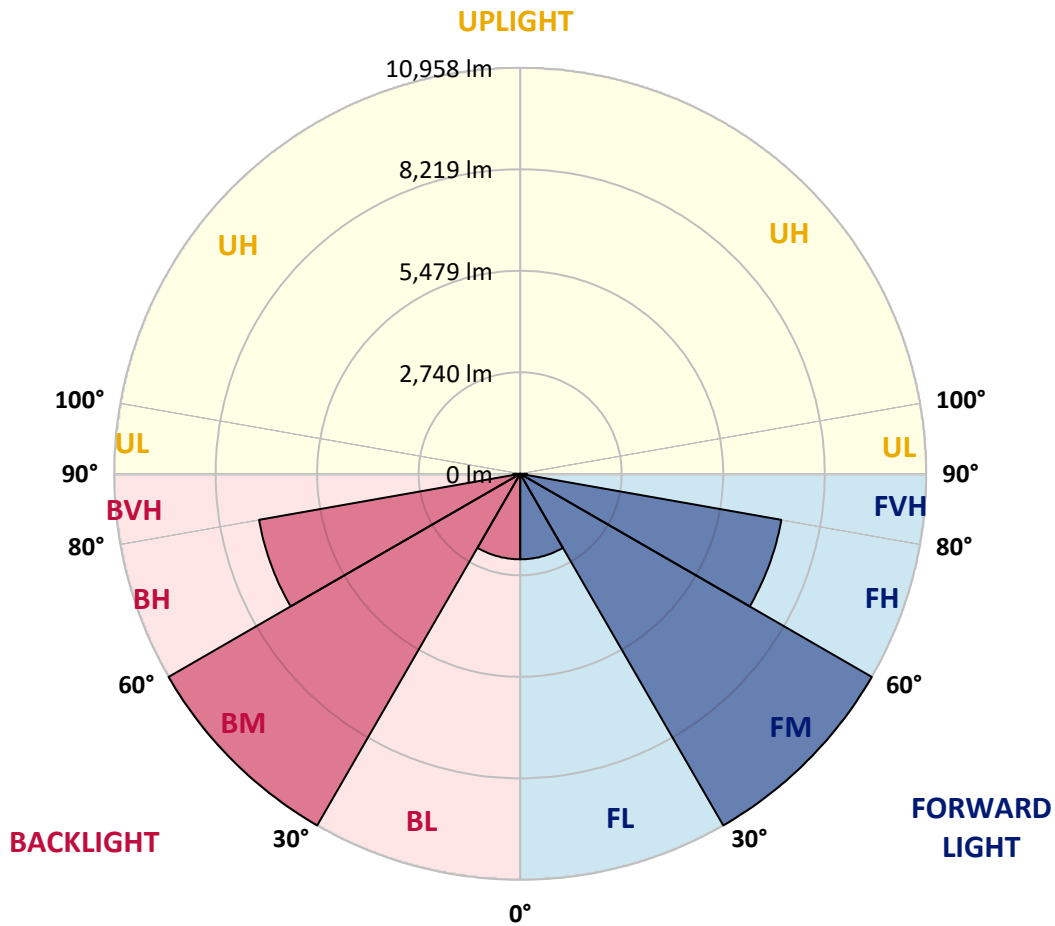
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2307.5	5.6			
FM (30°-60°)	10958.3	26.6			
FH (60°-80°)	7155.9	17.4			G3/7500
FVH (80°-90°)	185.7	0.5			G2/225
BL (0°-30°)	2307.5	5.6	B3/2500		
BM (30°-60°)	10958.3	26.6	B5		
BH (60°-80°)	7155.9	17.4	B5		G5
BVH (80°-90°)	185.7	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G5**

Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4414.9	4414.9	4414.9	4414.9	4414.9	4414.9	4414.9	4414.9	4414.9	4414.9
2.5°	4414.9	4410.7	4414.9	4419.1	4417.0	4417.0	4427.5	4433.8	4446.4	4444.3
5°	4385.4	4383.3	4400.1	4419.1	4433.8	4459.1	4490.6	4513.8	4543.2	4549.5
7.5°	4370.7	4364.4	4393.8	4427.5	4473.8	4536.9	4597.9	4661.1	4711.6	4728.4
10°	4381.2	4383.3	4423.3	4486.4	4560.1	4648.4	4734.7	4842.0	4913.6	4930.4
12.5°	4429.6	4425.4	4492.7	4593.7	4694.7	4806.3	4907.3	5025.1	5103.0	5143.0
15°	4518.0	4509.6	4604.3	4753.7	4901.0	5031.4	5113.5	5225.0	5315.5	5366.0
17.5°	4623.2	4627.4	4751.6	4945.2	5138.8	5286.1	5363.9	5420.7	5490.2	5534.4
20°	4808.4	4816.8	4955.7	5185.0	5406.0	5574.3	5637.5	5616.4	5635.4	5669.0
22.5°	5056.7	5060.9	5216.6	5464.9	5696.4	5881.6	5923.7	5837.4	5784.8	5807.9
25°	5345.0	5372.3	5528.0	5782.7	6020.5	6197.2	6216.2	6085.7	5955.2	5961.5
27.5°	5696.4	5721.6	5879.5	6132.0	6374.0	6527.6	6525.5	6350.8	6159.3	6110.9
30°	6077.3	6104.6	6266.7	6527.6	6752.8	6887.4	6858.0	6649.7	6376.1	6285.6
32.5°	6529.7	6546.5	6710.7	6971.6	7179.9	7287.3	7226.2	6969.5	6628.6	6525.5
35°	7076.8	7102.1	7224.1	7470.3	7653.4	7741.8	7638.7	7335.7	6952.7	6836.9
37.5°	7701.8	7685.0	7823.9	8042.7	8194.2	8248.9	8107.9	7748.1	7323.0	7186.3
40°	8354.2	8345.7	8497.2	8707.7	8789.7	8823.4	8615.1	8221.6	7750.2	7602.9
42.5°	8945.5	8939.2	9143.3	9376.9	9475.8	9437.9	9174.8	8724.5	8244.7	8076.4
45°	9418.9	9410.5	9660.9	9989.2	10182.8	10119.7	9766.2	9280.1	8745.6	8570.9
47.5°	9783.0	9787.2	10056.5	10462.7	10801.5	10824.6	10370.1	9846.1	9296.9	9099.1
50°	10046.0	10058.7	10346.9	10797.3	11260.2	11464.3	10986.7	10426.9	9867.2	9644.1
52.5°	10111.3	10134.4	10481.6	11009.8	11554.8	11944.1	11613.7	10984.6	10408.0	10195.4
55°	9764.0	9810.3	10250.1	10993.0	11735.8	12259.8	12165.1	11550.6	10953.0	10734.1
57.5°	8966.5	9031.7	9545.2	10515.3	11695.8	12476.5	12592.3	12093.5	11498.0	11287.6
60°	7849.1	7927.0	8419.4	9477.9	11131.9	12556.5	12893.2	12621.7	11998.8	11794.7
62.5°	6163.6	6264.6	6853.8	8095.3	9940.8	12184.0	13149.9	13099.4	12449.2	12194.5
65°	3954.0	4061.3	4682.1	6148.8	8352.0	11043.5	13229.9	13564.4	12924.7	12569.1
67.5°	2384.2	2432.6	2739.8	3726.8	6104.6	9324.2	12552.3	14080.0	13480.3	13038.4
70°	1525.6	1553.0	1736.1	2188.5	3451.1	6803.3	10873.0	14176.8	14153.7	13520.3
72.5°	1035.3	1043.7	1092.1	1296.3	1952.8	3865.6	8019.6	12834.3	14574.5	14141.0
75°	757.6	803.9	881.7	917.5	1109.0	1931.8	4595.8	9017.0	12282.9	12472.3
77.5°	564.0	566.1	673.4	715.5	791.2	1029.0	1944.4	5033.5	7626.1	8006.9
80°	477.7	452.4	450.3	576.6	595.5	641.8	869.1	1738.2	2731.4	1656.1
82.5°	397.7	370.4	334.6	450.3	406.1	393.5	376.7	707.1	869.1	427.2
85°	277.8	265.1	252.5	294.6	231.5	197.8	181.0	330.4	366.2	181.0
87.5°	119.9	124.2	126.3	130.5	96.8	69.4	69.4	92.6	92.6	71.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°  
4414.9  
4442.2  
4549.5  
4732.6  
4947.3  
5159.8  
5385.0  
5555.4  
5694.3  
5824.8  
5972.1  
6125.7  
6296.1  
6550.7  
6853.8  
7211.5  
7651.3  
8118.5  
8610.9  
9158.0  
9711.4  
10250.1  
10795.2  
11336.0  
11838.9  
12224.0  
12613.3  
13072.0  
13516.1  
*14073.7*  
12013.6  
7142.1  
1252.1  
364.0  
159.9  
52.6  
0.0

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