Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
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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: P945356

Luminaire Tested: **GALN-SB1B-830-U-5NQ**

Issue Date: 1/21/2025

Report Generated By 670246001

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Test Information

Test Method:	LM-79-08
Report Number:	P945356
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)
Test Lab:	INNOVATION CENTER
Issue Date:	1/21/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GALN-SB1B-830-U-5NQ
Description:	GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
	(1) 80 CRI, 3000K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE V NARROW OPTICS
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5304 lumens
Efficiency:	N/A
Efficacy:	133.3 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type V - Short
BUG Rating:	B2 - U0 - G1

Input Watts (W):	39.8
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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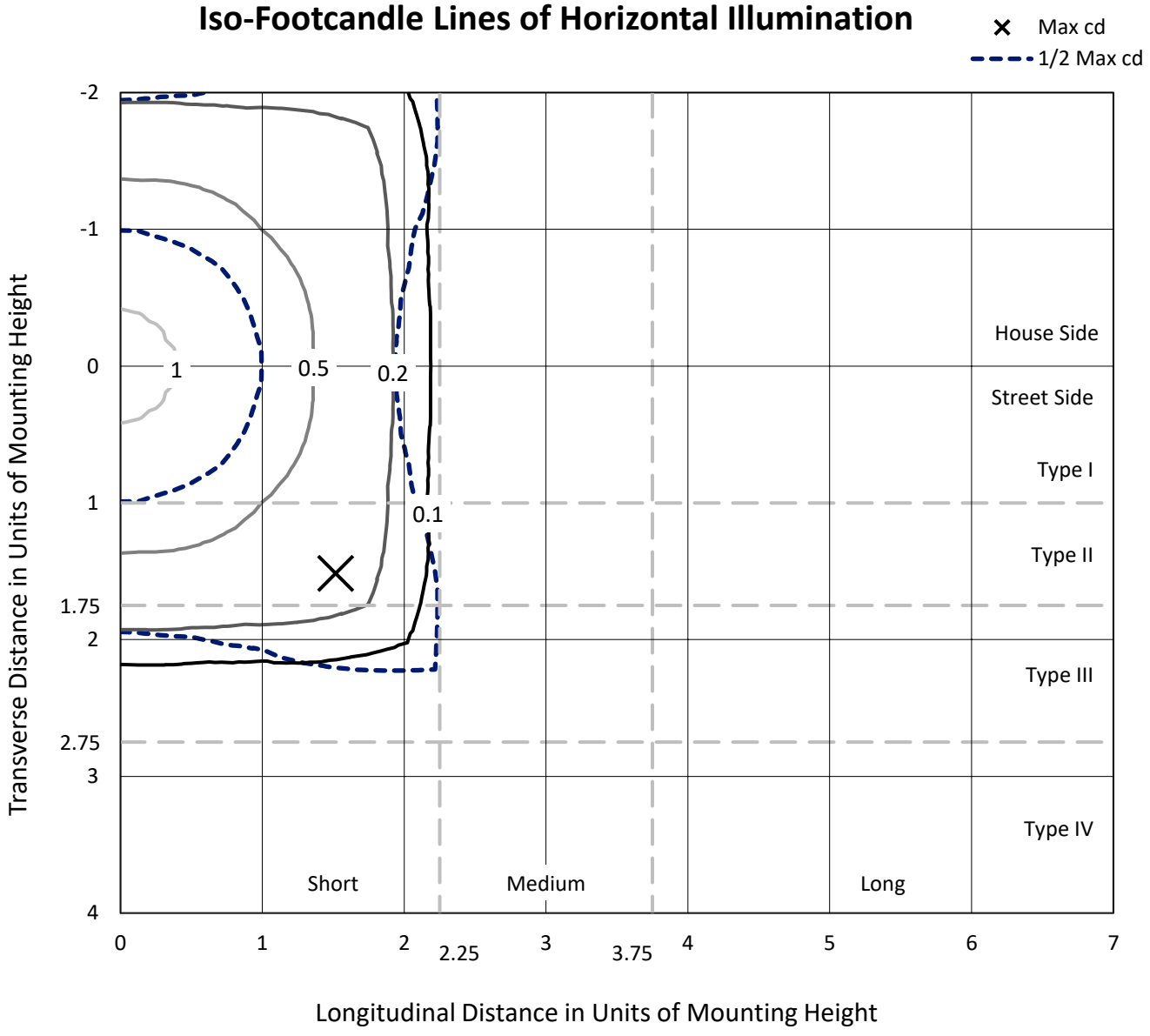
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 1 fc
Type V - Short - N/A

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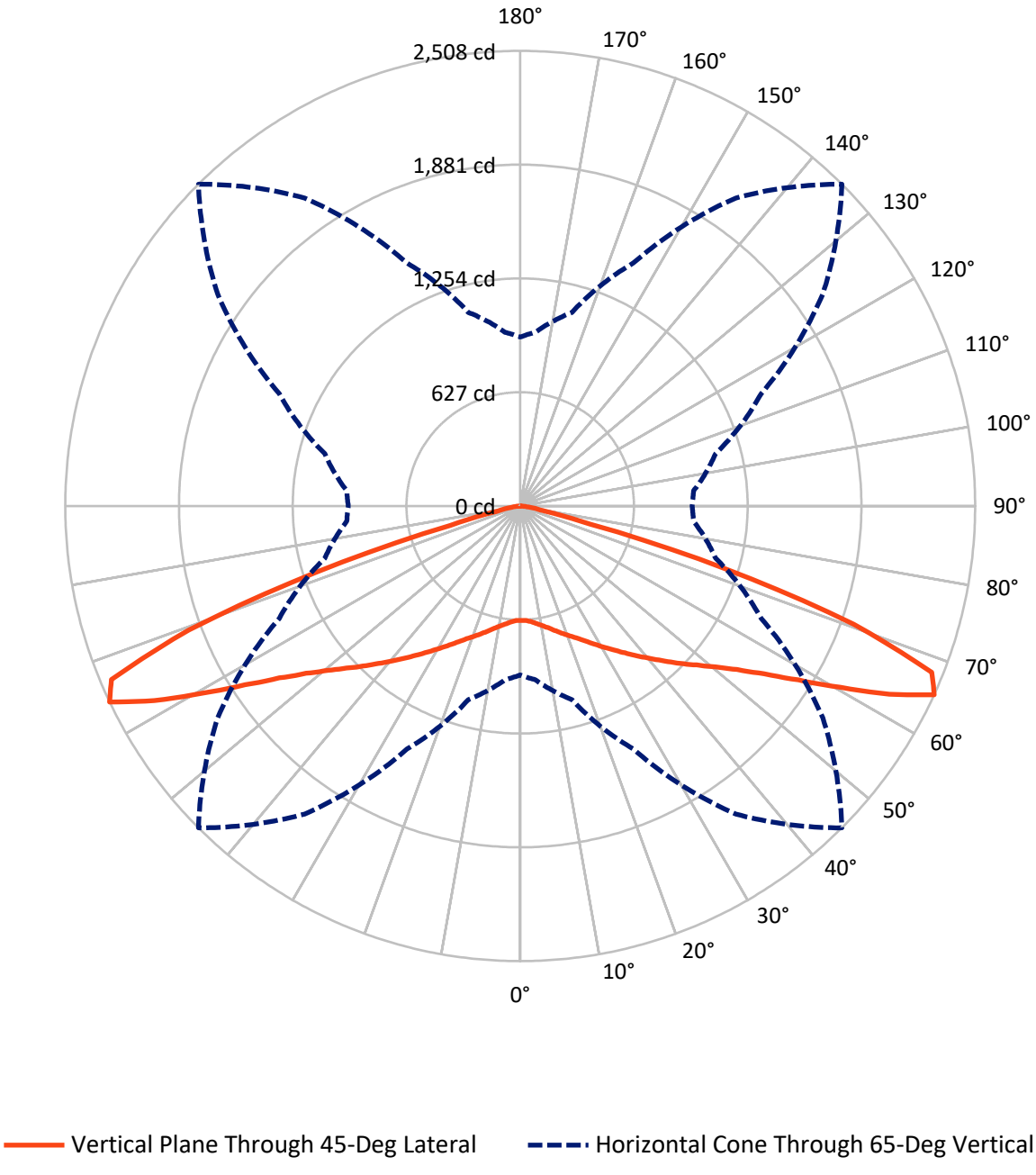
Luminous Intensity Polar Plot



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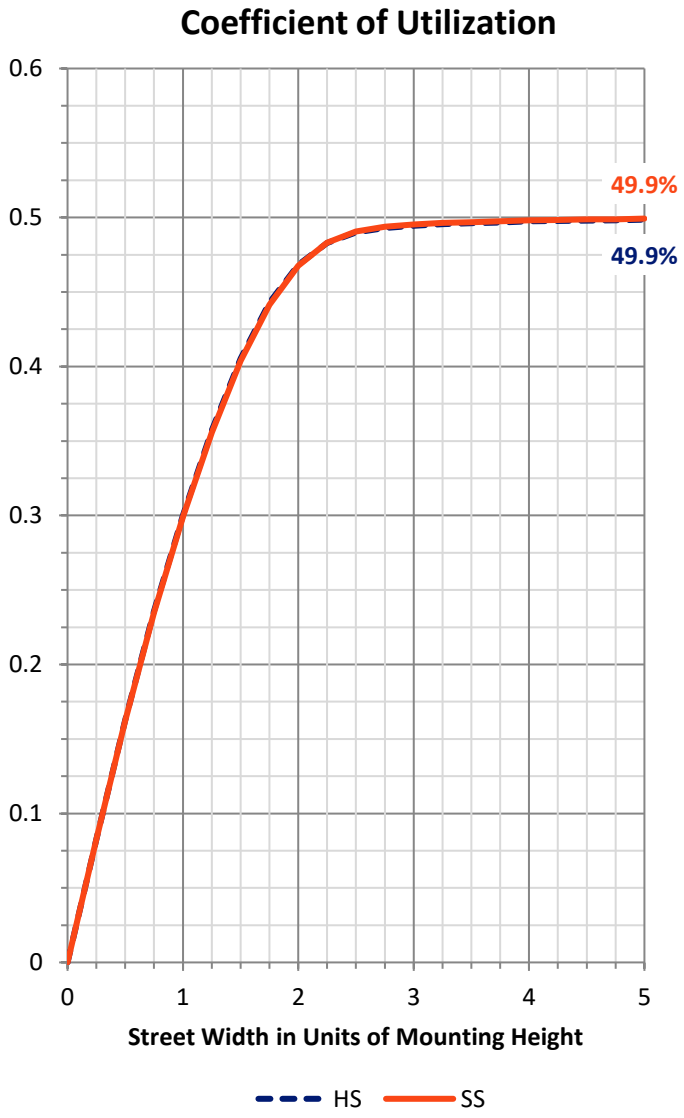
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2652.0	0.0	2652.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2652.0	0.0	2652.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	5304.0	0.0	5304.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.3	1.2
10°-20°	203.3	3.8
20°-30°	383.8	7.2
30°-40°	628.5	11.8
40°-50°	974.5	18.4
50°-60°	1439.5	27.1
60°-70°	1370.3	25.8
70°-80°	221.1	4.2
80°-90°	20.8	0.4
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°	5304.0	100.0
0°-180°	5304.0	100.0



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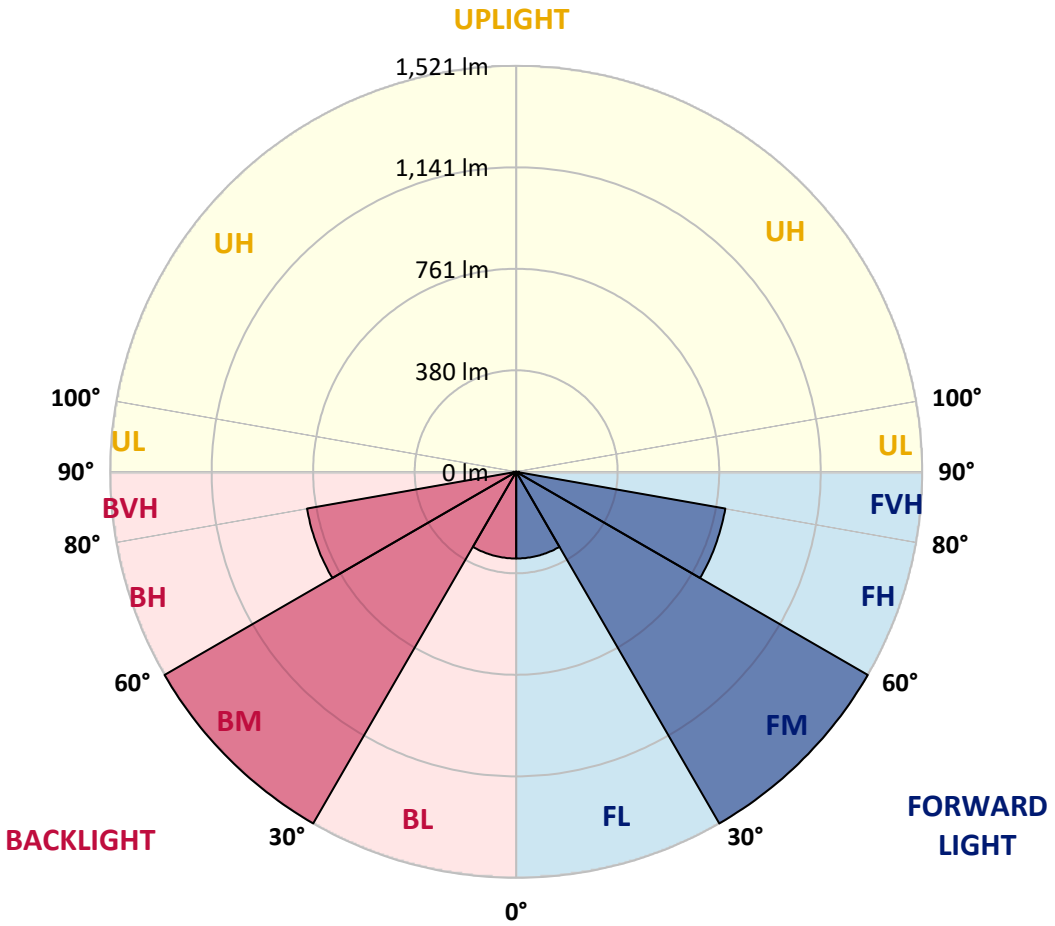
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	324.7	6.1			
FM	(30°-60°)	1521.2	28.7			
FH	(60°-80°)	795.7	15.0			G1/1800
FVH	(80°-90°)	10.4	0.2			G1/100
BL	(0°-30°)	324.7	6.1	B1/500		
BM	(30°-60°)	1521.2	28.7	B2/2500		
BH	(60°-80°)	795.7	15.0	B2/1000		G1/1800
BVH	(80°-90°)	10.4	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1
Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	631.2	631.2	631.2	631.2	631.2	631.2	631.2	631.2	631.2	631.2
2.5°	635.5	633.4	635.0	633.6	632.6	631.5	632.0	633.9	634.7	635.0
5°	644.0	642.1	642.9	642.9	641.1	640.5	640.8	642.1	643.7	643.7
7.5°	657.8	656.0	657.8	656.8	655.2	654.6	654.4	655.4	657.8	657.8
10°	674.6	672.5	673.5	673.0	671.1	670.3	670.1	671.7	673.8	673.5
12.5°	693.0	690.6	691.9	690.3	689.8	689.0	689.0	688.7	690.0	689.0
15°	713.5	711.9	712.4	711.3	712.1	711.6	709.5	708.4	708.9	707.3
17.5°	737.7	734.0	735.8	735.3	735.3	736.3	732.9	731.6	732.6	731.0
20°	765.6	761.9	762.7	761.6	760.3	761.4	757.1	758.2	759.0	757.9
22.5°	796.2	791.4	791.2	791.7	788.8	789.0	786.1	788.8	790.4	787.4
25°	827.6	822.6	826.0	824.7	821.0	821.8	819.6	822.3	823.6	819.9
27.5°	860.9	857.4	860.6	861.4	856.9	860.1	856.9	859.3	860.6	855.0
30°	899.7	896.3	899.2	901.3	896.0	901.1	898.4	900.0	900.3	893.6
32.5°	942.1	936.7	944.2	945.2	939.4	945.5	942.1	944.2	945.5	936.5
35°	993.7	987.0	995.5	994.2	989.2	994.2	991.0	994.2	997.4	986.5
37.5°	1049.3	1042.4	1051.4	1049.0	1044.2	1047.7	1045.8	1048.0	1053.0	1041.3
40°	1110.5	1102.0	1114.2	1110.0	1105.4	1104.9	1106.0	1107.3	1114.0	1100.9
42.5°	1176.0	1166.9	1185.3	1178.6	1172.2	1168.0	1171.4	1174.1	1180.5	1165.9
45°	1250.7	1240.4	1264.3	1256.3	1246.2	1237.4	1243.0	1247.0	1256.3	1238.8
47.5°	1333.2	1321.5	1347.1	1344.7	1328.2	1309.0	1321.8	1333.2	1340.2	1318.9
50°	1413.9	1404.8	1438.4	1441.3	1421.1	1394.2	1412.0	1429.3	1431.2	1403.2
52.5°	1489.5	1480.4	1529.1	1547.5	1529.4	1497.4	1516.3	1533.9	1519.8	1483.6
55°	1549.9	1542.4	1604.4	1651.8	1657.9	1631.6	1642.7	1642.2	1595.9	1540.3
57.5°	1564.5	1563.4	1641.7	1742.0	1805.9	1809.1	1787.0	1730.6	1630.8	1556.0
60°	1498.0	1504.6	1612.1	1789.1	1959.4	2030.2	1934.7	1773.7	1591.1	1487.3
62.5°	1298.9	1316.5	1446.1	1731.6	2083.4	2284.6	2053.1	1708.2	1428.2	1292.8
65°	930.9	961.5	1104.7	1477.7	2072.3	2508.2	2036.1	1465.8	1115.3	959.1
67.5°	422.3	453.5	575.1	1011.8	1801.3	2447.5	1797.1	1022.4	603.8	455.1
70°	153.0	158.3	197.5	405.0	1151.2	1950.1	1200.5	408.0	210.0	168.7
72.5°	92.6	93.4	101.7	145.0	400.0	1184.0	417.0	149.8	103.8	92.1
75°	58.8	58.3	72.4	88.6	141.8	399.4	148.8	88.6	72.1	65.7
77.5°	42.3	43.6	51.9	66.3	89.4	135.5	87.8	63.3	51.9	42.6
80°	31.7	32.5	37.8	51.6	62.8	84.4	55.9	46.8	39.1	26.6
82.5°	22.9	22.9	24.7	37.5	38.3	45.5	30.3	33.0	25.8	18.9
85°	13.6	13.3	15.4	22.4	20.0	16.8	13.8	20.2	16.2	11.7
87.5°	4.8	5.1	4.8	6.4	5.3	4.5	4.3	5.6	4.5	4.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

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90°
631.2
635.0
643.7
657.0
673.0
689.5
707.6
732.4
760.3
790.4
824.2
859.3
897.6
942.6
993.1
1048.5
1105.2
1173.6
1247.8
1326.1
1406.7
1484.7
1542.1
1551.2
1475.1
1284.8
947.6
448.4
166.6
93.7
66.3
43.4
27.4
18.9
11.4
3.7
0.0

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