Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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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: P940233

Luminaire Tested: **GALN-SB3A-950-U-T1**

Issue Date: 1/21/2025

Report Generated By 670246001

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Test Information

Test Method:	LM-79-08
Report Number:	P940233
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)
Test Lab:	INNOVATION CENTER
Issue Date:	1/21/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GALN-SB3A-950-U-T1
Description:	GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
	(3) 90 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	9262 lumens
Efficiency:	N/A
Efficacy:	109.4 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')
IES Classification:	Type I - Short
BUG Rating:	B3 - U0 - G3

Input Watts (W):	84.7
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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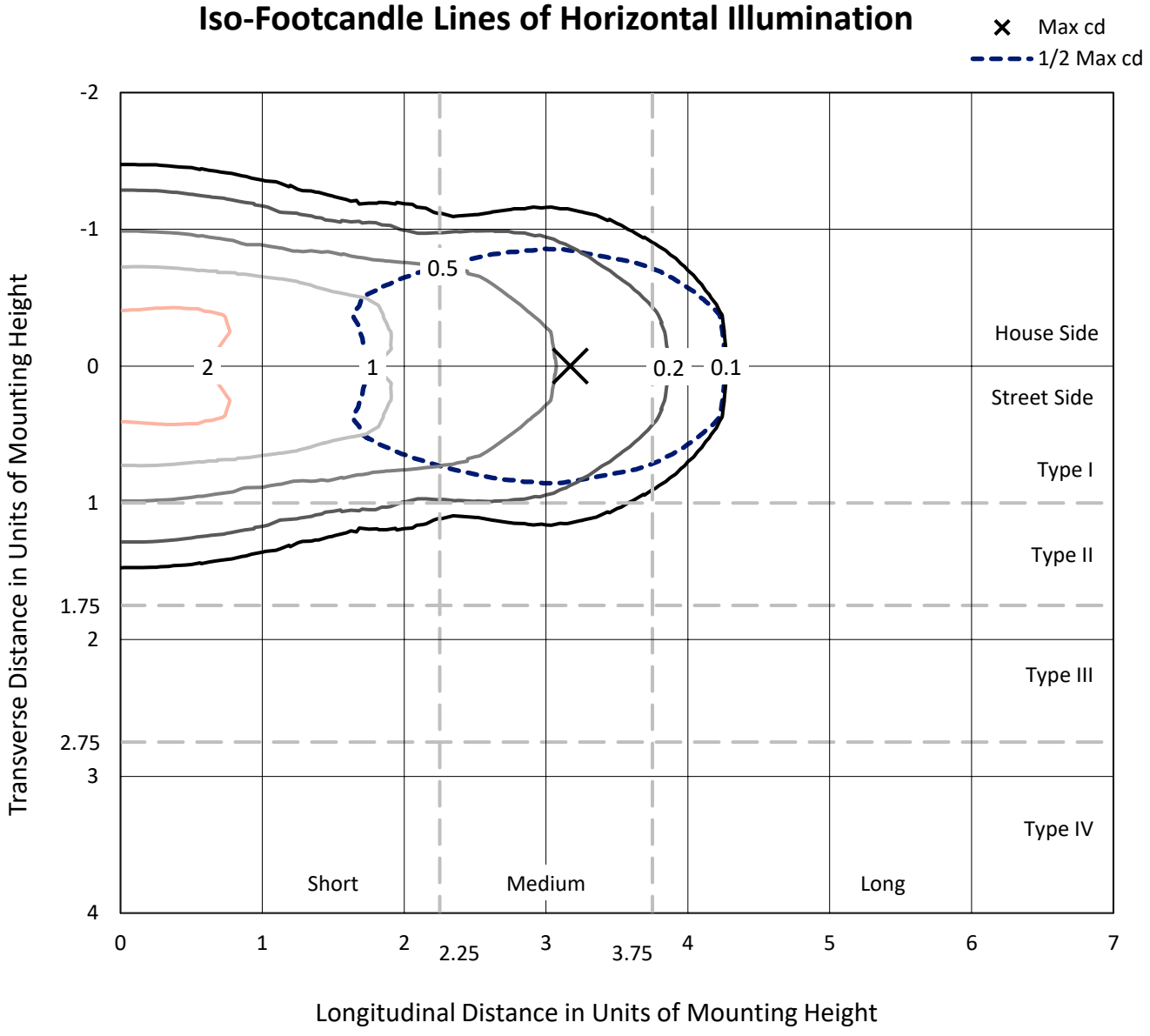
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 2.8 fc
Type I - Short - N/A

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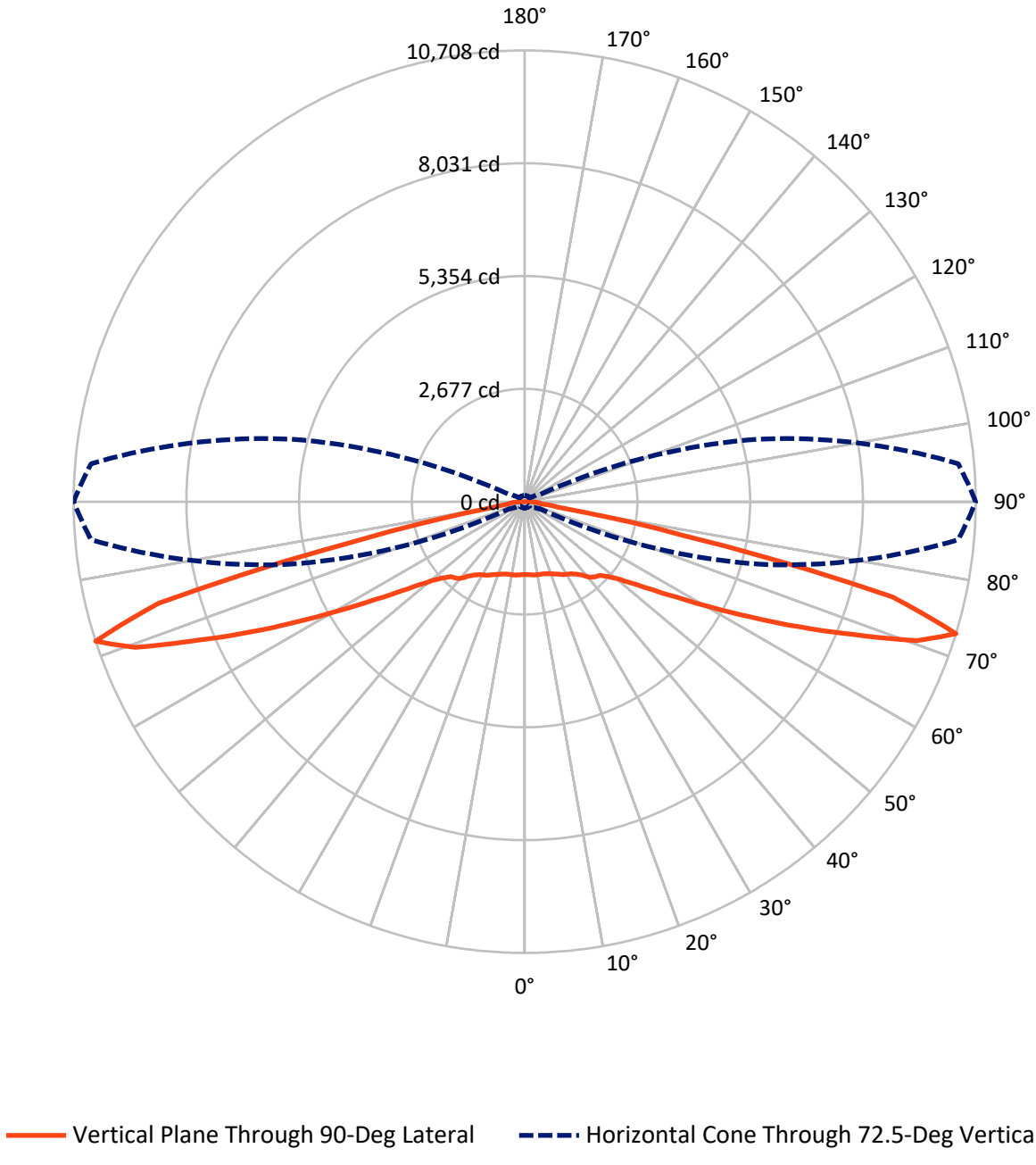
Luminous Intensity Polar Plot



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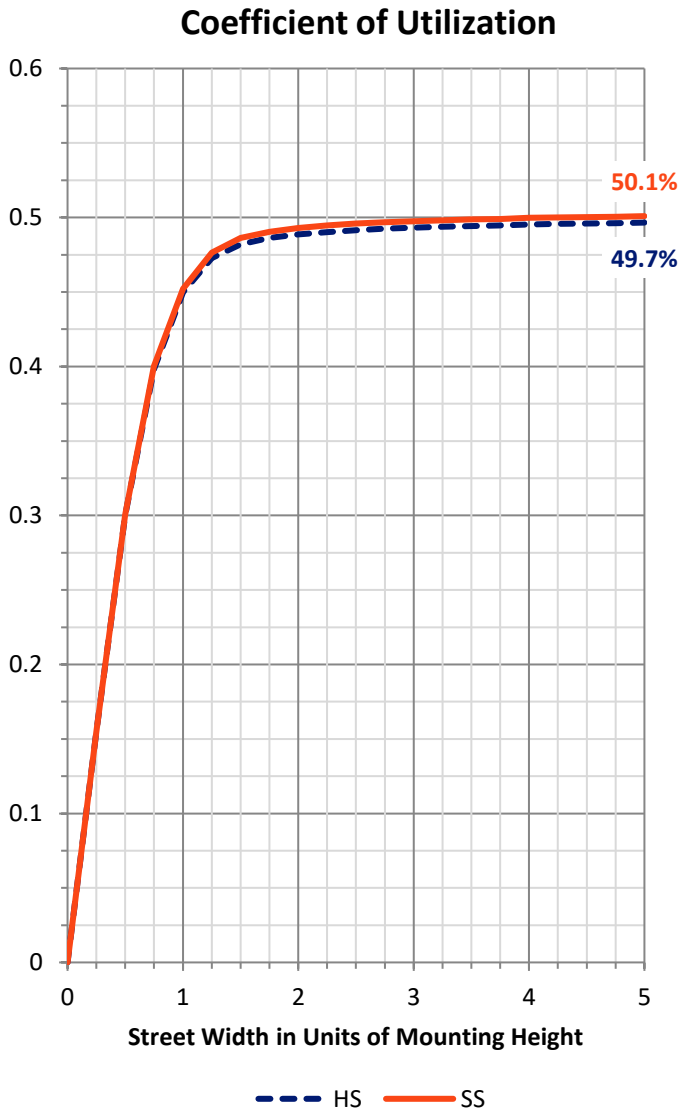
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4631.0	0.0	4631.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4631.0	0.0	4631.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	9262.0	0.0	9262.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.8	1.8
10°-20°	513.1	5.5
20°-30°	855.6	9.2
30°-40°	1176.7	12.7
40°-50°	1437.0	15.5
50°-60°	1662.1	17.9
60°-70°	1981.7	21.4
70°-80°	1383.1	14.9
80°-90°	85.0	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°	9262.0	100.0
0°-180°	9262.0	100.0



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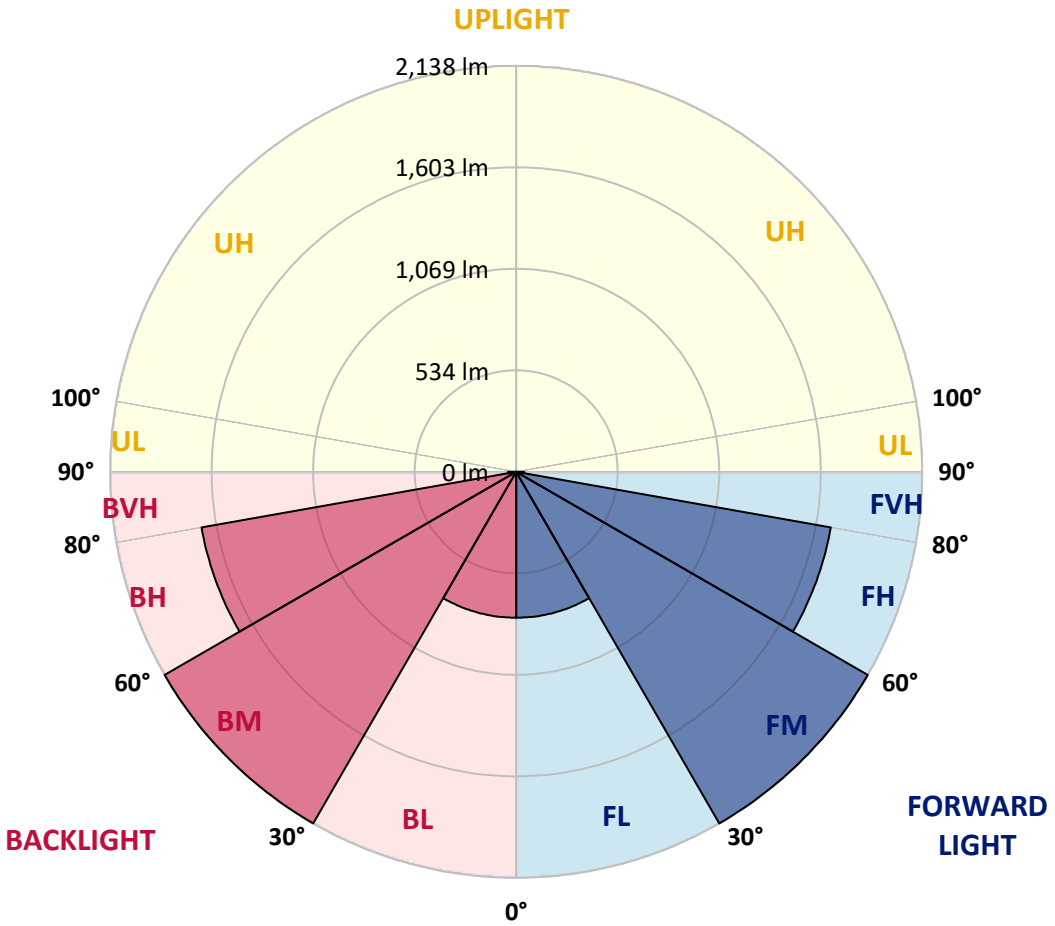
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	768.2	8.3			
FM	(30°-60°)	2137.9	23.1			
FH	(60°-80°)	1682.4	18.2			G1/1800
FVH	(80°-90°)	42.5	0.5			G1/100
BL	(0°-30°)	768.2	8.3	B2/1000		
BM	(30°-60°)	2137.9	23.1	B2/2500		
BH	(60°-80°)	1682.4	18.2	B3/2500		G3/2500
BVH	(80°-90°)	42.5	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1730.7	1730.7	1730.7	1730.7	1730.7	1730.7	1730.7	1730.7	1730.7	1730.7
2.5°	1732.2	1734.1	1734.1	1732.7	1736.1	1733.2	1733.2	1731.7	1733.2	1731.7
5°	1741.0	1743.5	1744.5	1744.0	1748.4	1746.0	1746.0	1744.0	1744.5	1743.0
7.5°	1757.8	1761.2	1763.2	1765.7	1772.1	1769.1	1767.1	1761.2	1758.8	1754.8
10°	1763.2	1767.1	1773.5	1786.3	1801.1	1801.6	1795.7	1780.9	1769.6	1760.7
12.5°	1746.5	1751.9	1765.2	1791.2	1824.2	1837.5	1828.2	1803.6	1781.4	1765.7
15°	1725.3	1731.2	1751.4	1790.8	1839.5	1870.5	1869.5	1837.0	1801.6	1777.0
17.5°	1692.3	1698.2	1727.3	1782.4	1851.3	1902.5	1916.3	1882.8	1833.1	1800.1
20°	1632.7	1638.2	1678.5	1755.8	1855.2	1936.5	1972.4	1942.9	1880.8	1836.0
22.5°	1555.5	1563.8	1611.1	1710.0	1845.9	1971.9	2036.4	2016.2	1936.5	1874.4
25°	1472.8	1481.6	1536.8	1653.9	1821.8	1997.5	2112.2	2099.4	1999.5	1922.2
27.5°	1401.4	1410.7	1470.8	1598.3	1784.4	2007.3	2187.0	2193.4	2075.8	1974.9
30°	1345.3	1354.1	1418.1	1553.5	1736.1	1997.5	2252.5	2296.8	2153.5	2020.6
32.5°	1283.8	1295.1	1362.5	1498.9	1679.0	1973.9	2309.6	2408.5	2243.6	2069.9
35°	1206.0	1216.3	1287.2	1424.0	1604.2	1936.0	2357.3	2532.6	2372.6	2144.7
37.5°	1111.5	1121.3	1191.7	1330.5	1529.9	1882.8	2393.7	2672.4	2526.2	2252.5
40°	1016.5	1025.8	1091.8	1226.2	1440.8	1814.9	2406.5	2809.2	2702.4	2400.6
42.5°	929.3	937.7	998.3	1123.3	1340.9	1728.2	2389.8	2928.3	2860.4	2504.0
45°	849.1	856.5	910.1	1026.8	1237.0	1622.9	2339.6	3056.3	3048.4	2577.8
47.5°	757.6	764.9	820.6	933.3	1133.1	1499.4	2254.4	3182.3	3309.8	2745.2
50°	645.8	652.2	709.3	825.5	1025.3	1367.9	2136.3	3281.2	3639.6	2998.7
52.5°	513.4	520.3	575.9	692.1	897.3	1226.7	1980.8	3345.7	4020.6	3368.9
55°	382.0	386.9	435.1	539.5	738.8	1065.7	1785.8	3363.9	4452.8	3874.9
57.5°	277.1	280.1	311.1	388.9	560.2	864.4	1549.1	3316.7	4967.2	4523.7
60°	224.5	225.4	234.8	269.3	389.4	637.0	1263.1	3154.2	5525.4	5360.0
62.5°	203.8	203.8	206.2	215.6	263.3	420.4	917.0	2817.6	6123.9	6416.8
65°	189.5	189.5	190.5	194.9	207.7	267.8	578.9	2269.2	6628.5	7654.8
67.5°	176.7	177.2	176.7	178.2	185.6	197.9	335.7	1567.3	6900.2	8937.5
70°	163.4	164.4	161.9	161.9	167.9	168.3	210.2	859.4	6674.7	10012.6
72.5°	*147.7*	*149.1*	*145.2*	*144.2*	*148.7*	*146.7*	*158.0*	*412.5*	*5730.6*	*10333.5*
75°	133.9	135.9	127.0	124.5	124.5	123.1	128.5	211.7	3719.3	8429.5
77.5°	121.6	125.5	111.2	103.4	101.4	97.0	104.8	129.5	1626.8	3957.6
80°	100.4	105.8	91.6	82.2	78.8	73.8	82.7	90.6	483.9	919.0
82.5°	74.8	77.3	65.0	58.6	55.6	52.2	62.0	63.0	157.5	325.4
85°	47.7	48.7	39.9	34.5	33.0	31.5	39.4	34.5	60.1	239.2
87.5°	16.7	19.2	15.3	13.8	14.8	12.3	18.2	10.3	16.7	168.8
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°
1730.7
1731.7
1743.0
1754.8
1759.3
1763.2
1773.0
1794.7
1827.7
1863.1
1906.4
1958.1
1996.5
2039.3
2110.7
2207.2
2352.4
2442.0
2494.2
2648.7
2877.6
3219.7
3688.3
4288.9
5064.1
6020.5
7153.7
8396.6
9870.3
10707.6
9016.3
3875.4
880.1
367.7
347.5
209.2
0.0

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