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: STREETWORKS

Report Number: P945376

Luminaire Tested: **GLAN-SB1B-835-U-5MQ**

Issue Date: 1/21/2025

Report Generated By 670246001

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Test Information

Test Method:	LM-79-08
Report Number:	P945376
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-20)
Test Lab:	INNOVATION CENTER
Issue Date:	1/21/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	GLAN-SB1B-835-U-5MQ
Description:	GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
	(1) 80 CRI, 3500K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE V MEDIUM OPTICS
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5472 lumens
Efficiency:	N/A
Efficacy:	137.5 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type V - Short
BUG Rating:	B3 - 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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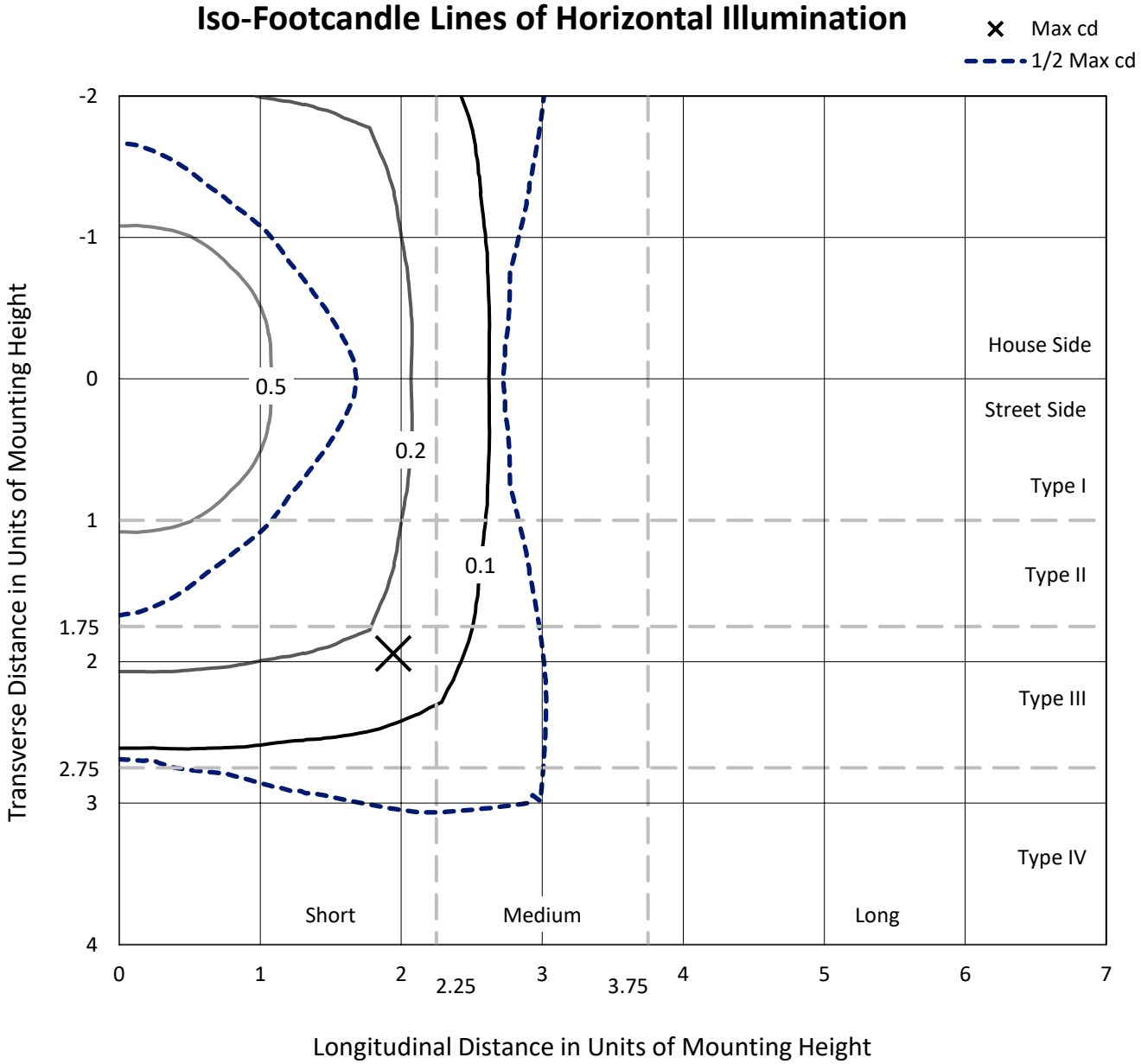
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
Type V - Short - N/A

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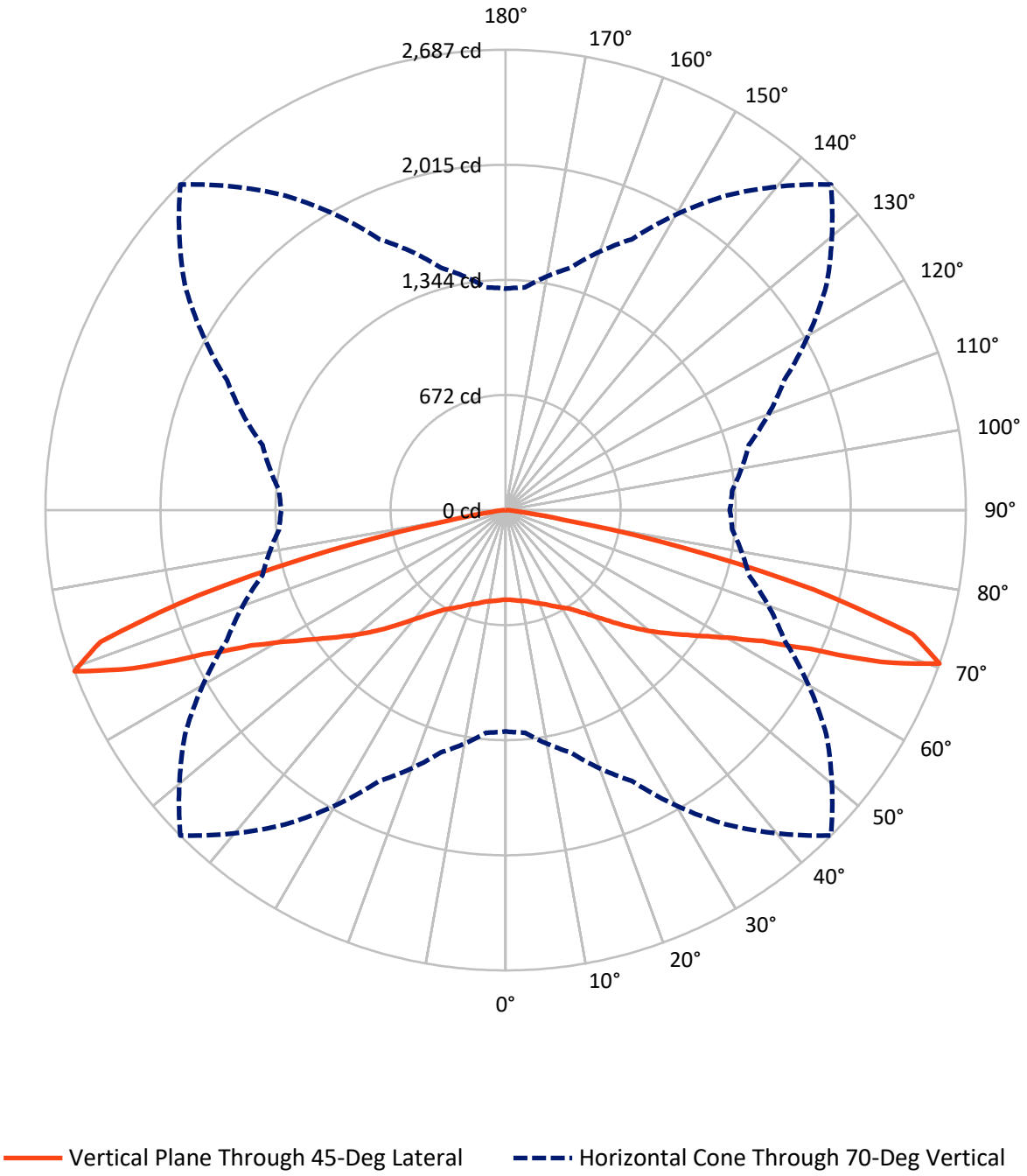
Luminous Intensity Polar Plot



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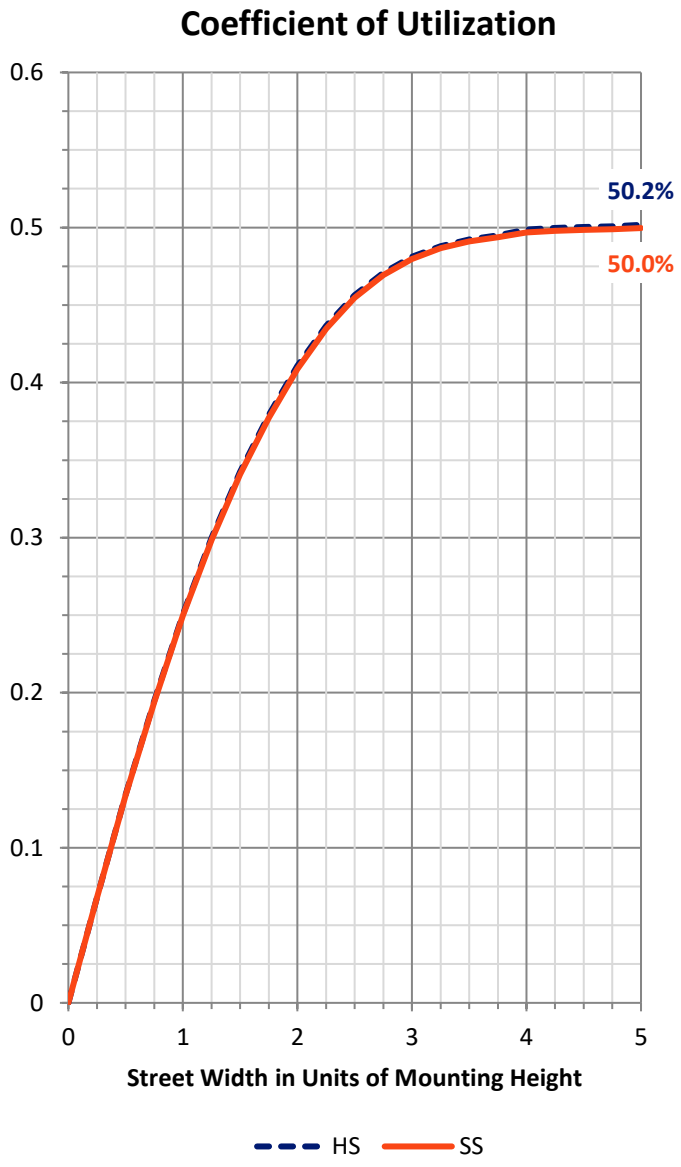
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2736.0	0.0	2736.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2736.0	0.0	2736.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	5472.0	0.0	5472.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.9	0.9
10°-20°	157.9	2.9
20°-30°	282.2	5.2
30°-40°	457.4	8.4
40°-50°	745.1	13.6
50°-60°	1136.0	20.8
60°-70°	1690.0	30.9
70°-80°	921.1	16.8
80°-90°	31.4	0.6
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°	5472.0	100.0
0°-180°	5472.0	100.0



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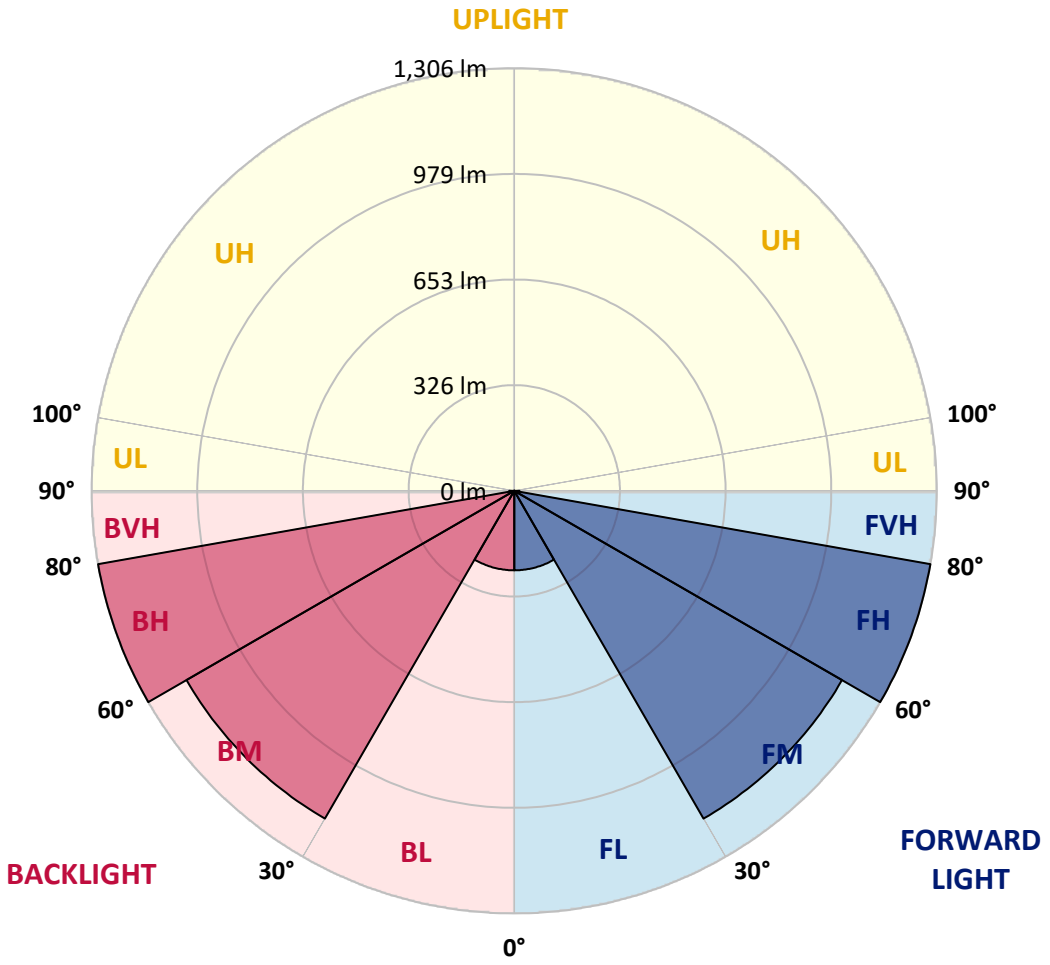
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	245.5	4.5			
FM	(30°-60°)	1169.2	21.4			
FH	(60°-80°)	1305.5	23.9			G1/1800
FVH	(80°-90°)	15.7	0.3			G1/100
BL	(0°-30°)	245.5	4.5	B1/500		
BM	(30°-60°)	1169.2	21.4	B2/2500		
BH	(60°-80°)	1305.5	23.9	B3/2500		G1/1800
BVH	(80°-90°)	15.7	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1
Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	524.2	524.2	524.2	524.2	524.2	524.2	524.2	524.2	524.2	524.2
2.5°	526.6	527.2	526.1	525.5	525.0	524.2	524.4	525.8	526.9	526.6
5°	531.0	531.6	530.8	530.5	529.4	529.1	529.1	530.5	531.3	530.8
7.5°	536.0	536.8	535.4	535.1	534.6	534.1	533.8	535.1	536.0	536.0
10°	540.6	541.5	540.4	539.5	539.0	539.0	538.4	539.5	540.9	540.6
12.5°	545.6	546.1	545.0	544.5	544.5	545.3	544.5	545.0	546.1	545.6
15°	551.6	551.9	551.6	552.5	553.8	556.6	554.1	553.6	554.1	552.7
17.5°	559.9	560.4	561.5	563.4	565.4	570.3	565.9	564.5	564.5	561.8
20°	570.0	570.9	572.5	575.8	578.3	583.0	578.6	576.6	575.8	572.2
22.5°	580.8	582.1	584.6	589.0	593.4	597.8	593.4	590.1	587.6	583.0
25°	593.1	594.8	598.6	605.8	611.8	618.1	612.9	606.3	601.4	594.8
27.5°	610.7	612.6	617.3	626.1	633.8	639.3	634.3	625.8	618.9	611.0
30°	635.4	637.3	642.8	652.2	657.4	661.0	657.7	651.1	642.8	633.8
32.5°	667.3	669.8	675.8	684.6	685.7	686.2	685.1	681.8	675.8	664.8
35°	707.7	710.4	717.3	724.4	723.3	724.4	722.8	721.7	717.3	704.7
37.5°	757.1	760.4	767.6	773.1	770.3	768.9	769.2	769.5	767.0	753.0
40°	814.5	818.9	824.2	829.9	825.3	821.1	823.9	826.1	823.9	809.6
42.5°	873.6	879.9	885.4	893.7	889.8	884.6	888.4	890.9	886.2	870.9
45°	939.3	945.3	952.4	964.8	962.1	956.6	962.1	962.6	954.6	936.5
47.5°	1007.1	1013.4	1024.1	1040.6	1039.5	1033.5	1040.6	1036.8	1026.6	1004.9
50°	1071.4	1080.2	1096.7	1119.7	1121.9	1114.5	1124.1	1116.7	1099.7	1072.5
52.5°	1131.8	1141.2	1167.3	1198.6	1206.6	1196.9	1209.9	1196.9	1171.4	1136.5
55°	1195.3	1205.7	1236.8	1277.7	1293.6	1286.5	1298.6	1279.1	1242.8	1200.5
57.5°	1270.0	1276.3	1313.4	1362.0	1389.0	1390.6	1396.1	1363.1	1319.2	1271.1
60°	1351.1	1359.9	1400.2	1458.5	1501.1	1514.8	1509.0	1460.1	1409.0	1353.8
62.5°	1454.9	1464.5	1512.9	1582.6	1650.0	1684.0	1661.5	1590.6	1527.4	1461.2
65°	1540.9	1551.6	1639.0	1763.4	1885.9	1954.3	1897.7	1767.3	1653.5	1560.1
67.5°	1478.5	1491.7	1628.8	1857.4	2162.0	2366.1	2172.5	1885.4	1662.6	1535.9
70°	1292.3	1304.6	1464.5	1743.9	2239.8	2687.0	2286.5	1795.3	1469.7	1328.0
72.5°	857.9	897.8	1059.6	1394.7	1999.9	2486.5	2019.7	1366.4	982.9	856.0
75°	284.6	316.5	426.9	723.1	1339.5	1859.6	1275.2	639.8	338.2	243.4
77.5°	71.7	82.7	114.0	206.9	534.3	1058.8	481.0	169.0	92.0	64.3
80°	34.9	38.5	54.9	69.0	133.8	336.5	125.5	64.8	43.4	33.5
82.5°	19.2	19.5	31.0	39.0	49.7	87.1	51.6	37.9	25.0	20.3
85°	11.8	11.5	16.5	20.9	20.9	31.0	24.7	20.9	14.3	12.6
87.5°	4.7	4.7	6.0	6.6	5.8	8.0	6.3	6.9	5.5	5.2
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°
524.2
526.9
531.0
536.0
540.6
545.3
552.7
561.8
572.2
582.7
594.5
610.7
633.8
665.1
704.7
753.0
809.6
872.0
938.4
1003.5
1071.9
1133.2
1194.7
1264.5
1345.0
1449.7
1544.7
1517.0
1309.0
828.3
230.2
57.4
30.8
20.3
13.2
5.5
0.0

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