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: STREETWORKS

Report Number: P945527

Luminaire Tested: **GLAN-SB1B-950-U-RW**

Issue Date: 1/21/2025

Report Generated By 670246001

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Test Information

Test Method:	LM-79-08
Report Number:	P945527
	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:	STREETWORKS
Catalog Number:	GLAN-SB1B-950-U-RW
Description:	GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
	(1) 90 CRI, 5000K, 450mA LIGHTSQUARE WITH 26 LEDS AND RECTANGULAR WIDE OPTICS
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4035 lumens
Efficiency:	N/A
Efficacy:	101.4 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B2 - U0 - G2

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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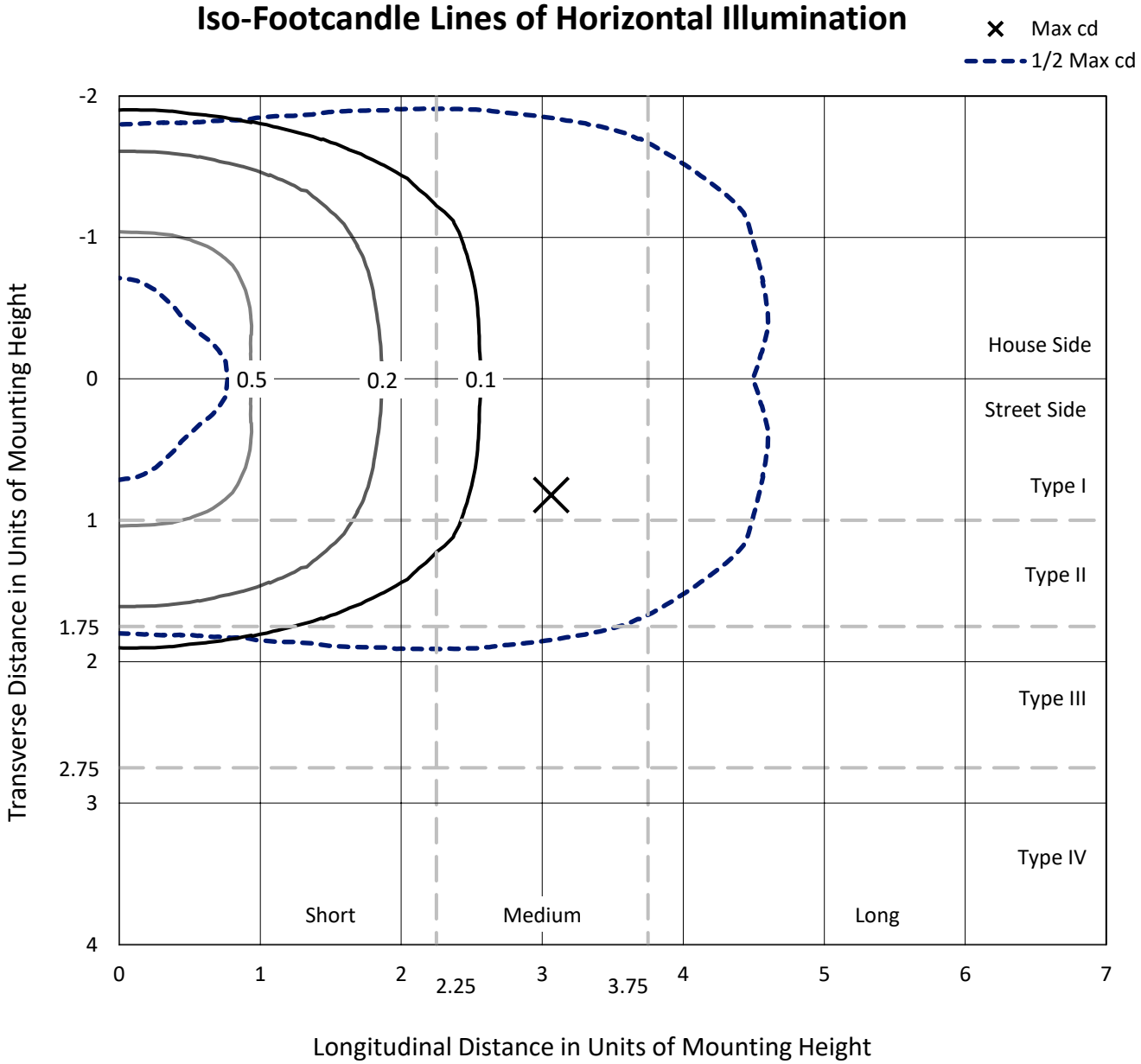
Iso-Footcandle Lines of Horizontal Illumination



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

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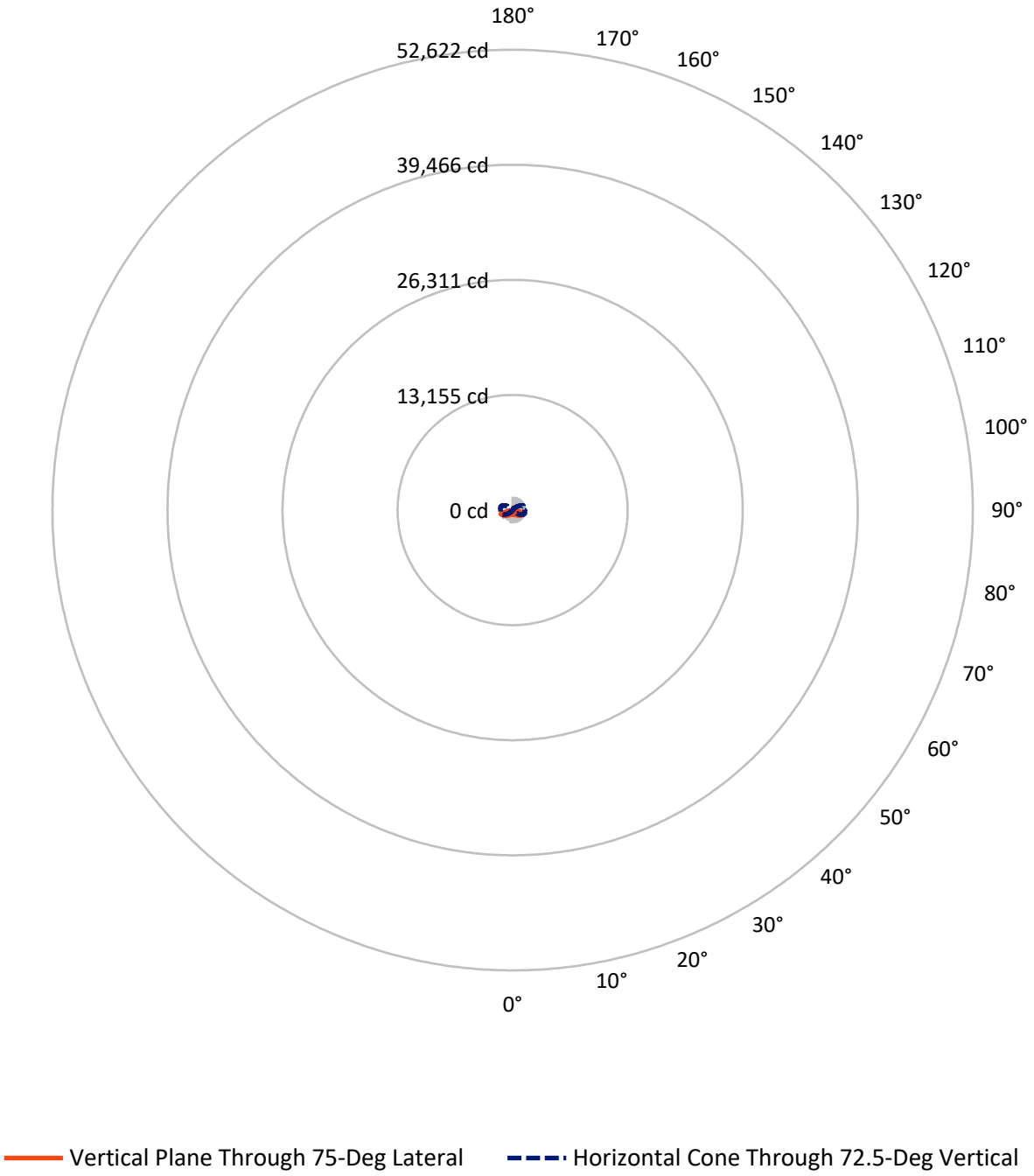
Luminous Intensity Polar Plot



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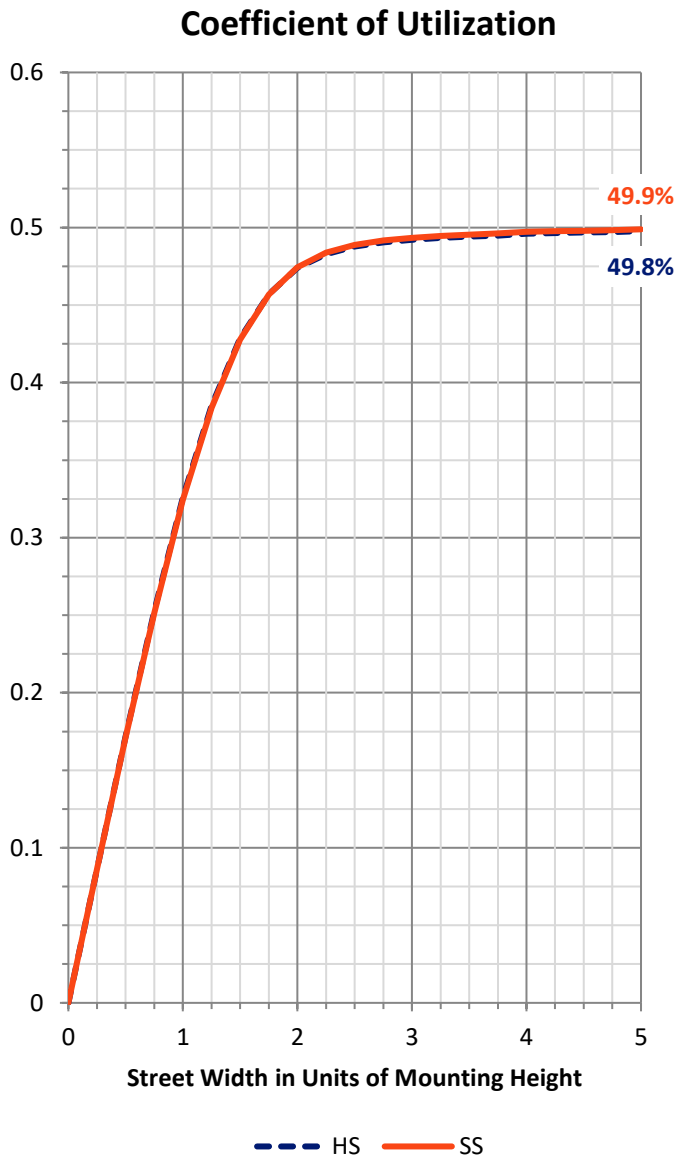
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2017.5	0.0	2017.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2017.5	0.0	2017.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4035.0	0.0	4035.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.3	1.0
10°-20°	139.6	3.5
20°-30°	269.8	6.7
30°-40°	455.6	11.3
40°-50°	722.6	17.9
50°-60°	967.5	24.0
60°-70°	920.7	22.8
70°-80°	480.4	11.9
80°-90°	36.4	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°	4035.0	100.0
0°-180°	4035.0	100.0



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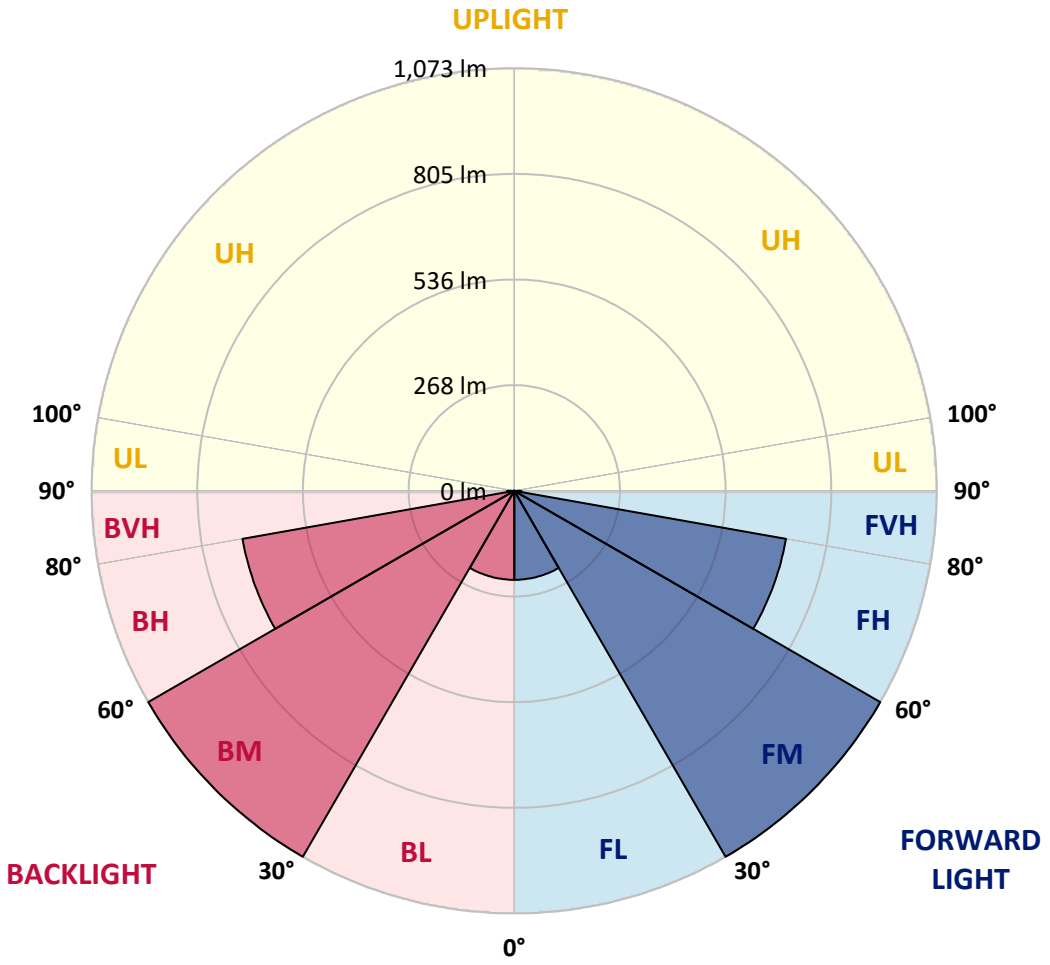
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	225.9	5.6			
FM	(30°-60°)	1072.8	26.6			
FH	(60°-80°)	700.6	17.4			G1/1800
FVH	(80°-90°)	18.2	0.5			G1/100
BL	(0°-30°)	225.9	5.6	B1/500		
BM	(30°-60°)	1072.8	26.6	B2/2500		
BH	(60°-80°)	700.6	17.4	B2/1000		G2/1000
BVH	(80°-90°)	18.2	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	432.2	432.2	432.2	432.2	432.2	432.2	432.2	432.2	*432.2*	432.2
2.5°	432.2	431.8	432.2	432.6	432.4	432.4	433.5	434.1	*435.3*	435.1
5°	429.3	429.1	430.8	432.6	434.1	436.5	439.6	441.9	*444.8*	445.4
7.5°	427.9	427.3	430.2	433.5	438.0	444.2	450.1	456.3	*461.3*	462.9
10°	428.9	429.1	433.0	439.2	446.4	455.1	463.5	474.0	*481.0*	482.7
12.5°	433.7	433.3	439.8	449.7	459.6	470.5	480.4	492.0	*499.6*	503.5
15°	442.3	441.5	450.8	465.4	479.8	492.6	500.6	511.5	*520.4*	525.3
17.5°	452.6	453.0	465.2	484.1	503.1	517.5	525.1	530.7	*537.5*	541.8
20°	470.7	471.6	485.2	507.6	529.3	545.7	551.9	549.9	*551.7*	555.0
22.5°	495.1	495.5	510.7	535.0	557.7	575.8	579.9	571.5	*566.3*	568.6
25°	523.3	526.0	541.2	566.1	589.4	606.7	608.6	595.8	*583.0*	583.6
27.5°	557.7	560.2	575.6	600.3	624.0	639.1	638.9	621.8	*603.0*	598.3
30°	595.0	597.7	613.5	639.1	661.1	674.3	671.4	651.0	*624.2*	615.4
32.5°	639.3	640.9	657.0	682.5	702.9	713.4	707.5	682.3	*648.9*	638.9
35°	692.8	695.3	707.3	731.4	749.3	757.9	747.8	718.2	*680.7*	669.3
37.5°	754.0	752.4	766.0	787.4	802.2	807.6	793.8	758.5	*716.9*	703.5
40°	817.9	817.1	831.9	852.5	860.5	863.8	843.4	804.9	*758.8*	744.3
42.5°	875.8	875.2	895.1	918.0	927.7	924.0	898.2	854.1	*807.2*	790.7
45°	922.1	921.3	945.8	978.0	996.9	990.7	956.1	908.5	*856.2*	839.1
47.5°	957.8	958.2	984.5	1024.3	1057.5	1059.7	1015.2	963.9	*910.2*	890.8
50°	983.5	984.8	1013.0	1057.1	1102.4	1122.4	1075.6	1020.8	*966.0*	944.2
52.5°	989.9	992.2	1026.2	1077.9	1131.2	1169.3	1137.0	1075.4	*1019.0*	998.1
55°	955.9	960.4	1003.5	1076.2	1148.9	1200.2	1191.0	1130.8	*1072.3*	1050.9
57.5°	877.8	884.2	934.5	1029.5	1145.0	1221.5	1232.8	1184.0	*1125.7*	1105.1
60°	768.4	776.1	824.3	927.9	1089.8	1229.3	1262.3	1235.7	*1174.7*	1154.7
62.5°	603.4	613.3	671.0	792.5	973.2	1192.8	1287.4	1282.4	*1218.8*	1193.9
65°	387.1	397.6	458.4	602.0	817.7	1081.2	1295.2	1328.0	*1265.3*	1230.5
67.5°	233.4	238.2	268.2	364.9	597.7	912.9	1228.9	1378.5	*1319.7*	1276.5
70°	149.4	152.0	170.0	214.3	337.9	666.0	1064.5	1387.9	*1385.7*	1323.7
72.5°	*101.4*	*102.2*	*106.9*	*126.9*	*191.2*	*378.5*	*785.1*	*1256.5*	*1426.9*	*1384.4*
75°	74.2	78.7	86.3	89.8	108.6	189.1	449.9	882.8	*1202.5*	1221.1
77.5°	55.2	55.4	65.9	70.0	77.5	100.7	190.4	492.8	*746.6*	783.9
80°	46.8	44.3	44.1	56.4	58.3	62.8	85.1	170.2	*267.4*	162.1
82.5°	38.9	36.3	32.8	44.1	39.8	38.5	36.9	69.2	*85.1*	41.8
85°	27.2	26.0	24.7	28.8	22.7	19.4	17.7	32.3	*35.8*	17.7
87.5°	11.7	12.2	12.4	12.8	9.5	6.8	6.8	9.1	*9.1*	7.0
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°
432.2
434.9
445.4
463.3
484.3
505.2
527.2
543.9
557.5
570.3
584.7
599.7
616.4
641.3
671.0
706.0
749.1
794.8
843.0
896.6
950.8
1003.5
1056.9
1109.8
1159.0
1196.7
1234.9
1279.8
1323.2
1377.8
1176.1
699.2
122.6
35.6
15.7
5.2
0.0

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