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-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P1201212

Luminaire Tested: GWC-SB1A-827-U-5MQ

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1201212
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-20)
Test Lab:	INNOVATION CENTER
Issue Date:	3/16/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB1A-827-U-5MQ
Description:	GALLEON WALL LUMINAIRE
	(1) 80 CRI, 2700K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE V MEDIUM OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4106 lumens
Efficiency:	N/A
Efficacy:	132.9 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):	30.9
Input Voltage (V):	120.0
Input Current (Ain):	0.263
Voltage Rise (V):	NR
Power Factor:	0.995
Total Harmonic Distortion (THDi):	6.356
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

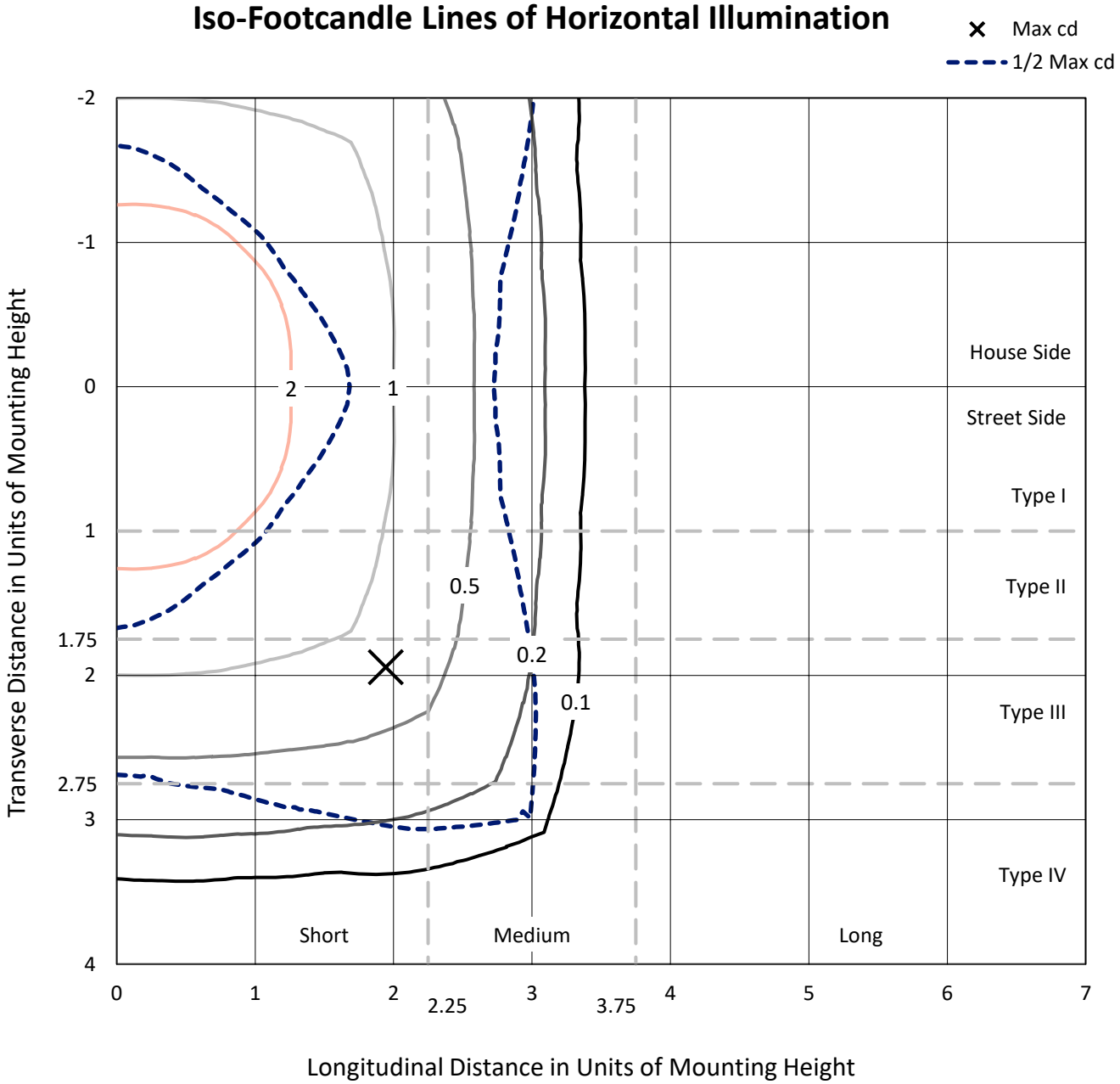


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Iso-Footcandle Lines of Horizontal Illumination



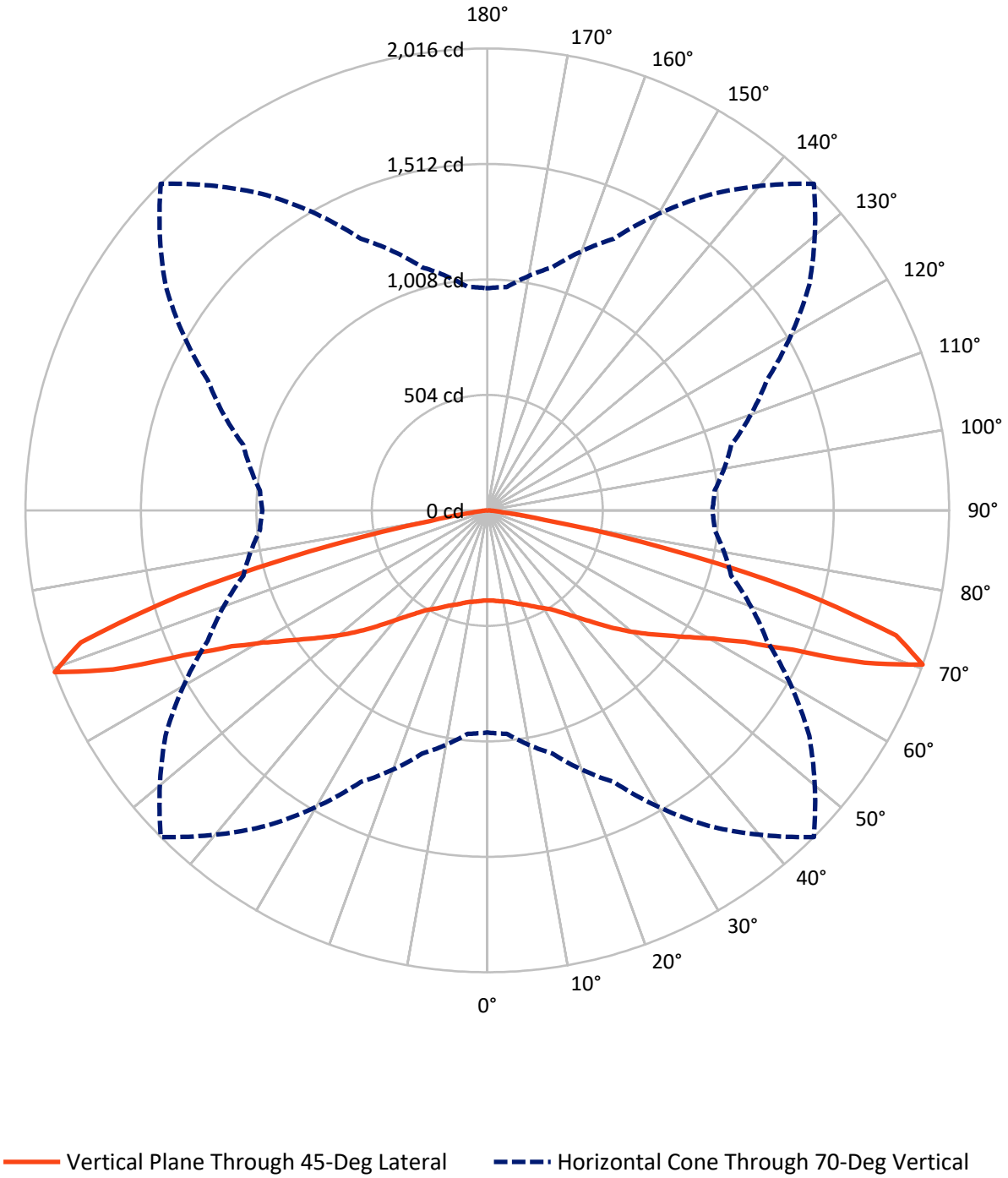
Based on 10 foot mounting height. Maximum calculated value = 3.9 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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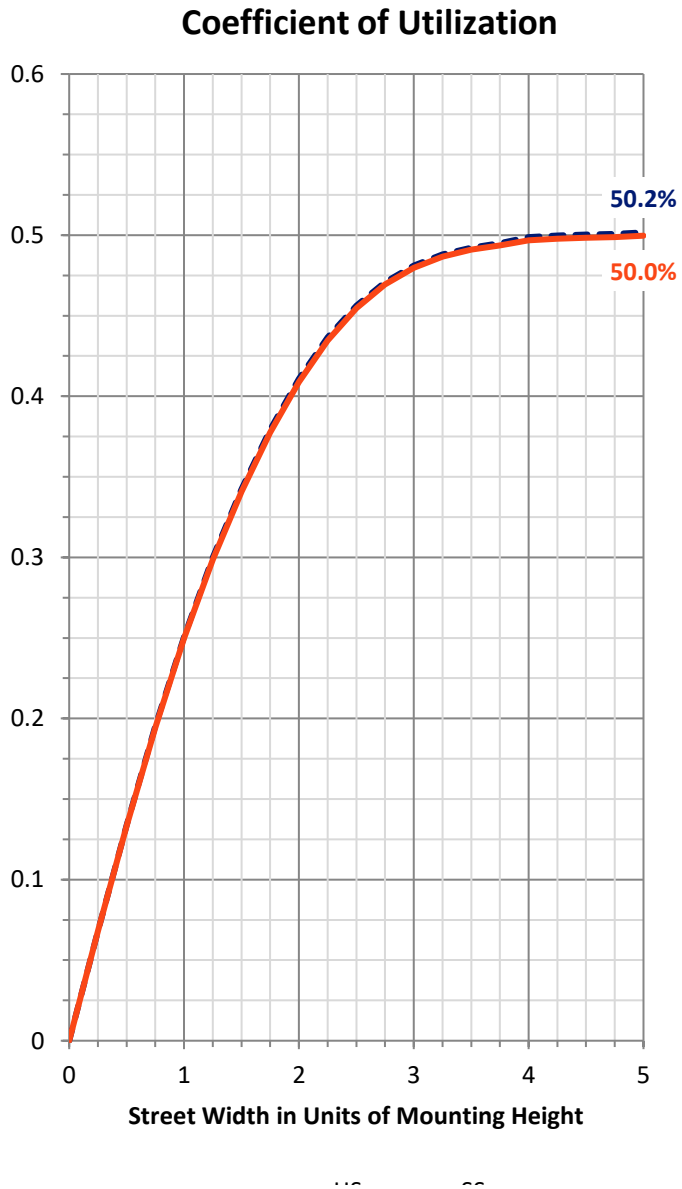
REPORT NUMBER: P1201212
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2053.0	0.0	2053.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2053.0	0.0	2053.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4106.0	0.0	4106.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.2	0.9
10°-20°	118.5	2.9
20°-30°	211.8	5.2
30°-40°	343.2	8.4
40°-50°	559.1	13.6
50°-60°	852.4	20.8
60°-70°	1268.1	30.9
70°-80°	691.2	16.8
80°-90°	23.5	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°	4106.0	100.0
0°-180°	4106.0	100.0



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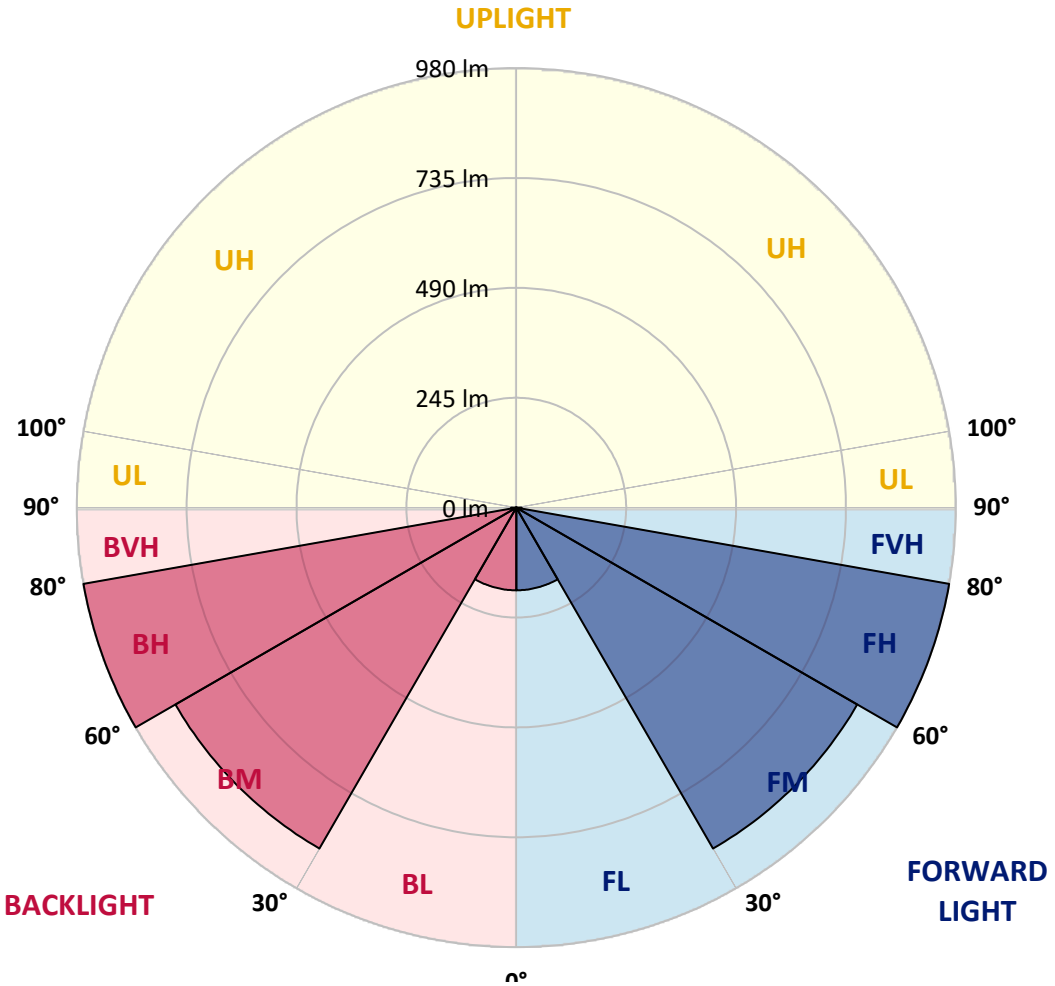
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	184.2	4.5			
FM	(30°-60°)	877.4	21.4			
FH	(60°-80°)	979.6	23.9			G1/1800
FVH	(80°-90°)	11.8	0.3			G1/100
BL	(0°-30°)	184.2	4.5	B1/500		
BM	(30°-60°)	877.4	21.4	B1/1000		
BH	(60°-80°)	979.6	23.9	B2/1000		G1/1800
BVH	(80°-90°)	11.8	0.3			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°	90°
0°	393.3	393.3	393.3	393.3	393.3	393.3	393.3	393.3	393.3	393.3	393.3
2.5°	395.2	395.6	394.8	394.3	393.9	393.3	393.5	394.5	395.4	395.2	395.4
5°	398.5	398.9	398.3	398.1	397.2	397.0	397.0	398.1	398.7	398.3	398.5
7.5°	402.2	402.8	401.8	401.6	401.1	400.7	400.5	401.6	402.2	402.2	402.2
10°	405.7	406.3	405.5	404.9	404.4	404.4	404.0	404.9	405.9	405.7	405.7
12.5°	409.4	409.8	409.0	408.6	408.6	409.2	408.6	409.0	409.8	409.4	409.2
15°	413.9	414.1	413.9	414.5	415.6	417.6	415.8	415.4	415.8	414.8	414.8
17.5°	420.1	420.5	421.3	422.8	424.2	427.9	424.6	423.6	423.6	421.6	421.6
20°	427.7	428.4	429.6	432.1	433.9	437.4	434.1	432.7	432.1	429.4	429.4
22.5°	435.8	436.8	438.7	442.0	445.3	448.6	445.3	442.8	440.9	437.4	437.2
25°	445.1	446.3	449.2	454.5	459.1	463.8	459.9	454.9	451.2	446.3	446.1
27.5°	458.2	459.7	463.2	469.8	475.6	479.7	476.0	469.6	464.4	458.5	458.2
30°	476.8	478.2	482.4	489.4	493.3	496.0	493.5	488.5	482.4	475.6	475.6
32.5°	500.7	502.6	507.1	513.7	514.5	514.9	514.1	511.6	507.1	498.9	499.1
35°	531.0	533.1	538.2	543.6	542.8	543.6	542.4	541.5	538.2	528.7	528.7
37.5°	568.1	570.6	576.0	580.1	578.0	577.0	577.2	577.4	575.5	565.0	565.0
40°	611.2	614.5	618.4	622.7	619.2	616.1	618.2	619.9	618.2	607.5	607.5
42.5°	655.5	660.3	664.4	670.6	667.7	663.8	666.7	668.5	665.0	653.5	654.3
45°	704.8	709.3	714.7	724.0	721.9	717.8	721.9	722.3	716.3	702.7	704.2
47.5°	755.7	760.4	768.5	780.9	780.0	775.5	780.9	778.0	770.3	754.1	753.0
50°	803.9	810.5	822.9	840.2	841.9	836.3	843.5	838.0	825.2	804.8	804.4
52.5°	849.3	856.3	875.9	899.4	905.4	898.1	907.8	898.1	879.0	852.8	850.3
55°	896.9	904.7	928.0	958.8	970.7	965.3	974.4	959.8	932.6	900.8	896.5
57.5°	953.0	957.7	985.5	1022.0	1042.2	1043.5	1047.6	1022.9	989.9	953.8	948.9
60°	1013.8	1020.4	1050.7	1094.4	1126.3	1136.6	1132.3	1095.6	1057.3	1015.9	1009.3
62.5°	1091.7	1098.9	1135.2	1187.6	1238.1	1263.6	1246.7	1193.5	1146.1	1096.5	1087.8
65°	1156.2	1164.3	1229.8	1323.2	1415.1	1466.5	1424.0	1326.1	1240.7	1170.7	1159.1
67.5°	1109.4	1119.3	1222.2	1393.7	1622.3	1775.5	1630.1	1414.7	1247.6	1152.5	1138.3
70°	969.7	979.0	1098.9	1308.6	1680.6	2016.2	1715.7	1347.1	1102.8	996.5	982.3
72.5°	643.8	673.7	795.1	1046.6	1500.7	1865.8	1515.5	1025.3	737.6	642.3	621.5
75°	213.6	237.5	320.3	542.6	1005.1	1395.4	956.9	480.1	253.8	182.6	172.7
77.5°	53.8	62.0	85.5	155.2	400.9	794.5	360.9	126.8	69.1	48.2	43.1
80°	26.2	28.9	41.2	51.7	100.4	252.5	94.2	48.6	32.6	25.1	23.1
82.5°	14.4	14.6	23.3	29.3	37.3	65.3	38.8	28.4	18.8	15.3	15.3
85°	8.9	8.7	12.4	15.7	15.7	23.3	18.6	15.7	10.7	9.5	9.9
87.5°	3.5	3.5	4.5	4.9	4.3	6.0	4.7	5.2	4.1	3.9	4.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0


HS
SS

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(END OF REPORT)