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: P1201215

Luminaire Tested: GWC-SB1A-827-U-RW

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1201215
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)
Test Lab:	INNOVATION CENTER
Issue Date:	3/16/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB1A-827-U-RW
Description:	GALLEON WALL LUMINAIRE
	(1) 80 CRI, 2700K, 350mA LIGHTSQUARE WITH 26 LEDS AND RECTANGULAR WIDE OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4038 lumens
Efficiency:	N/A
Efficacy:	130.7 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):	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

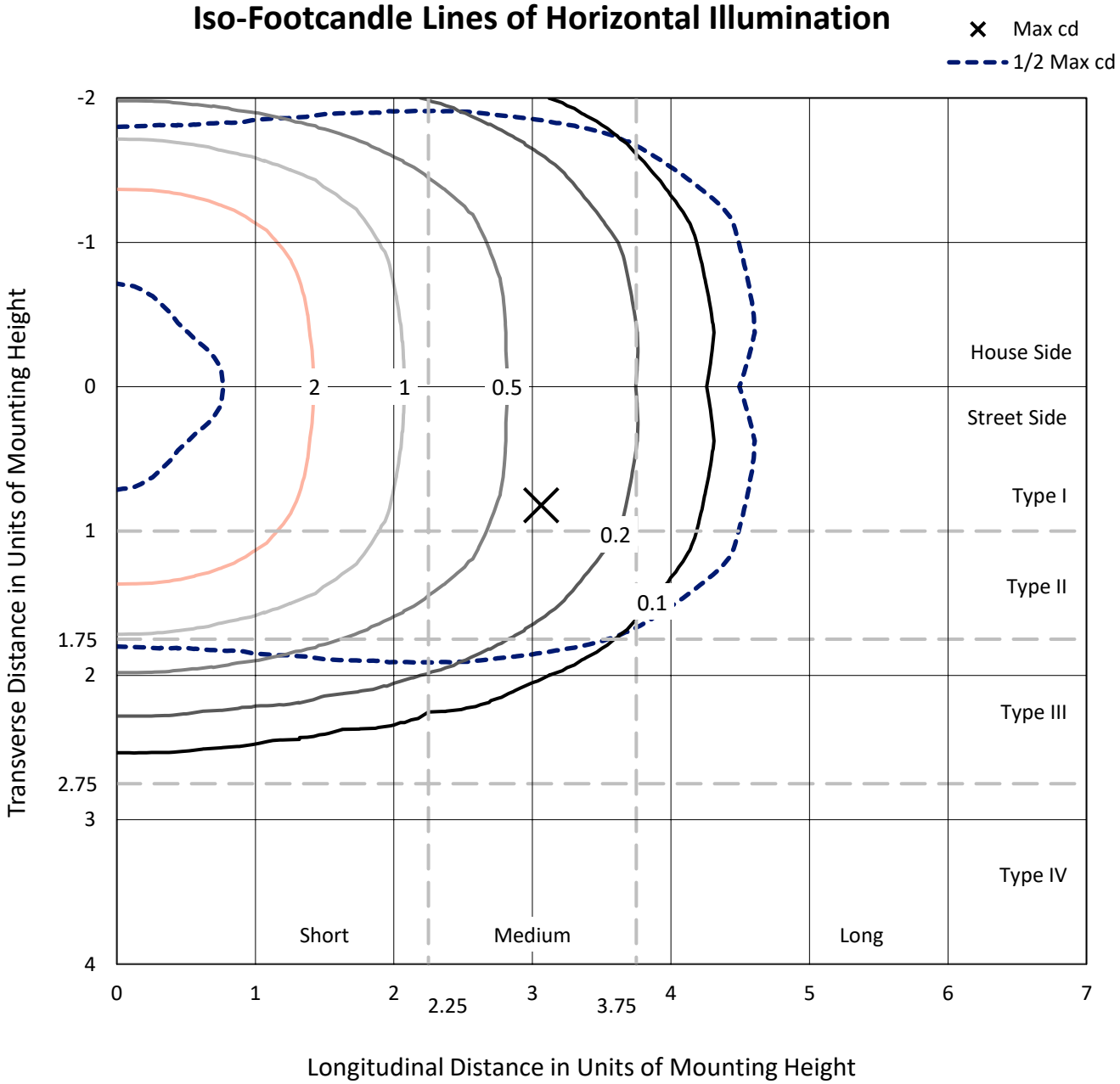


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Iso-Footcandle Lines of Horizontal Illumination



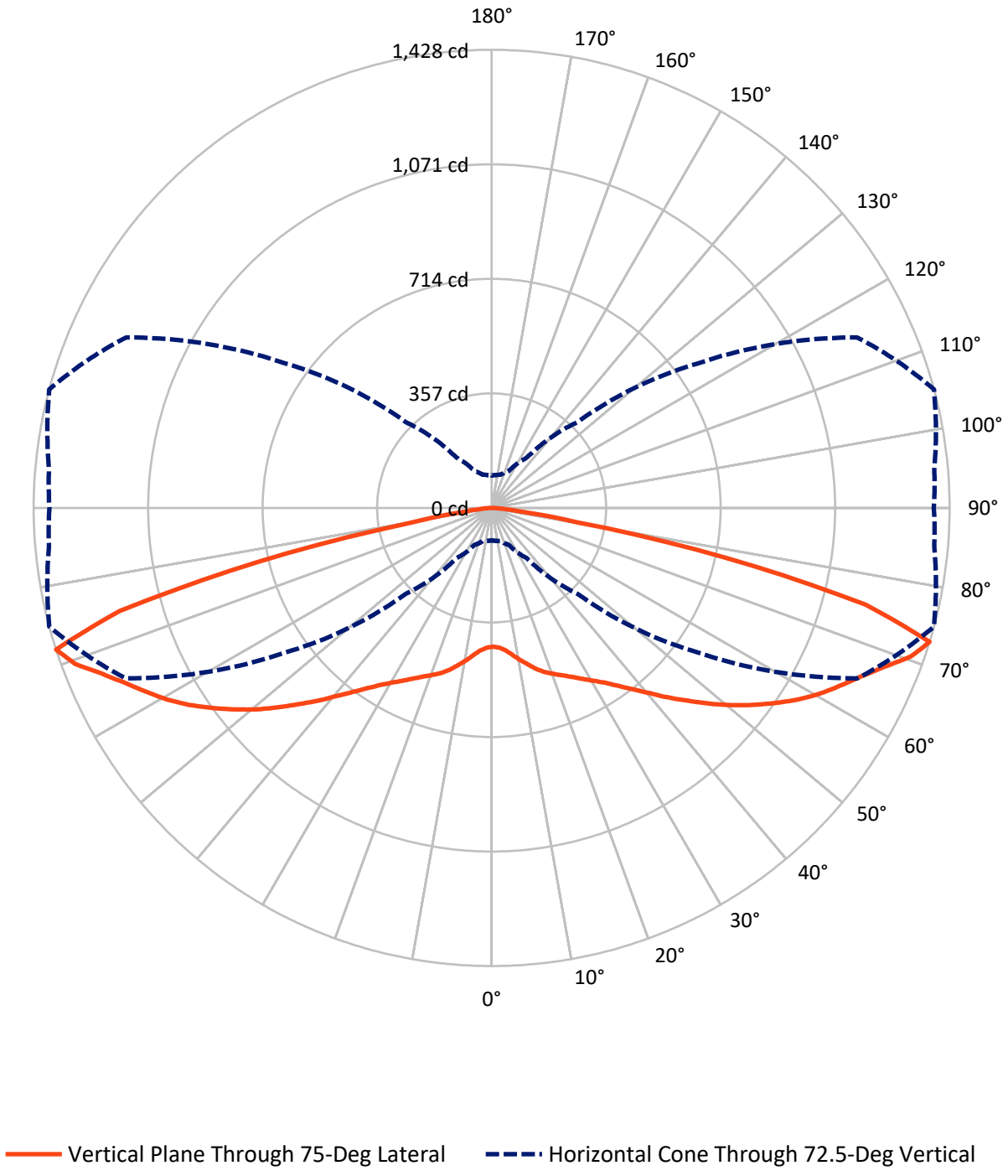
Based on 10 foot mounting height. Maximum calculated value = 4.7 fc
Type III - Medium - N/A

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Luminous Intensity Polar Plot



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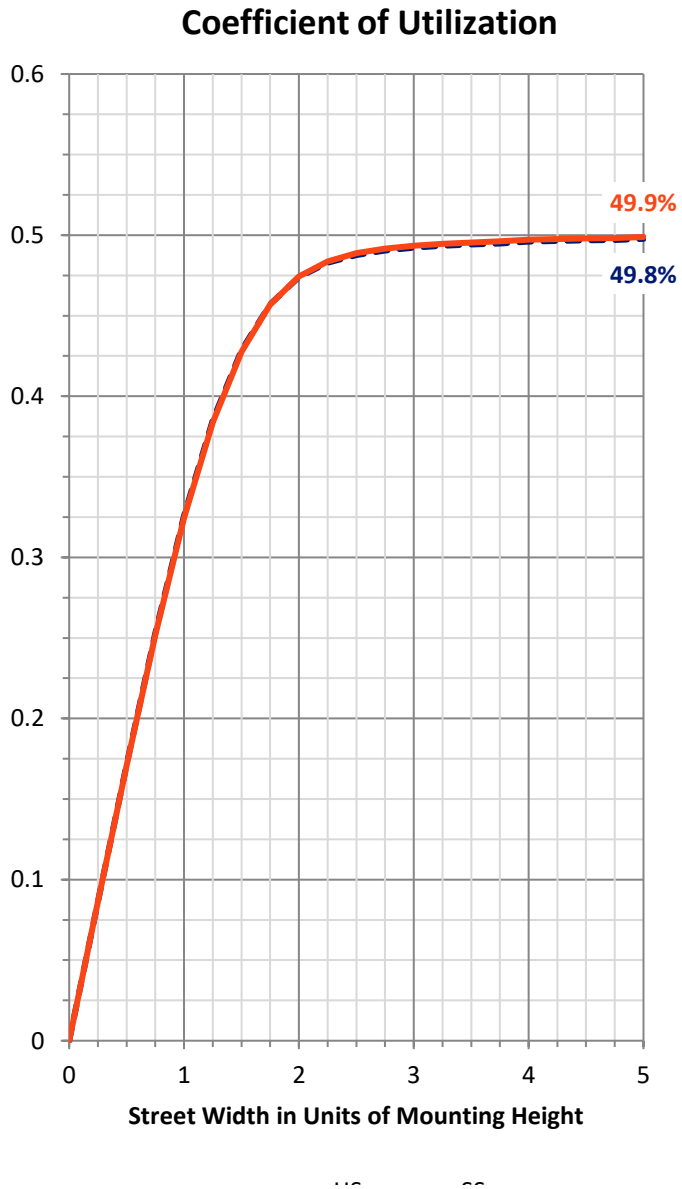
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2019.0	0.0	2019.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2019.0	0.0	2019.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4038.0	0.0	4038.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.4	1.0
10°-20°	139.7	3.5
20°-30°	270.0	6.7
30°-40°	456.0	11.3
40°-50°	723.1	17.9
50°-60°	968.2	24.0
60°-70°	921.4	22.8
70°-80°	480.8	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°	4038.0	100.0
0°-180°	4038.0	100.0



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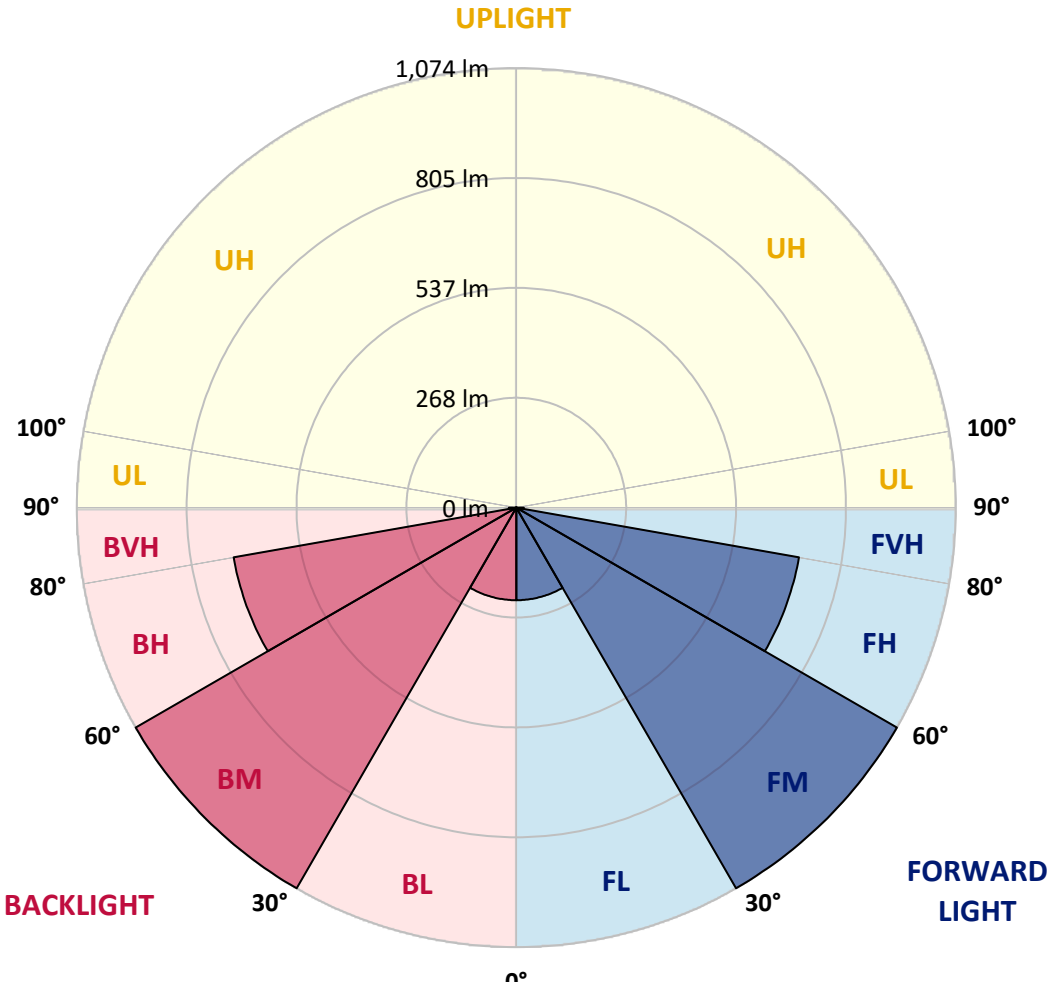
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	226.1	5.6			
FM	(30°-60°)	1073.6	26.6			
FH	(60°-80°)	701.1	17.4			G1/1800
FVH	(80°-90°)	18.2	0.5			G1/100
BL	(0°-30°)	226.1	5.6	B1/500		
BM	(30°-60°)	1073.6	26.6	B2/2500		
BH	(60°-80°)	701.1	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°	90°
0°	432.5	432.5	432.5	432.5	432.5	432.5	432.5	432.5	*432.5*	432.5	432.5
2.5°	432.5	432.1	432.5	433.0	432.7	432.7	433.8	434.4	*435.6*	435.4	435.2
5°	429.7	429.4	431.1	433.0	434.4	436.9	440.0	442.2	*445.1*	445.7	445.7
7.5°	428.2	427.6	430.5	433.8	438.3	444.5	450.5	456.7	*461.6*	463.3	463.7
10°	429.2	429.4	433.4	439.6	446.8	455.4	463.9	474.4	*481.4*	483.1	484.7
12.5°	434.0	433.6	440.2	450.1	460.0	470.9	480.8	492.3	*500.0*	503.9	505.5
15°	442.6	441.8	451.1	465.7	480.2	492.9	501.0	511.9	*520.8*	525.7	527.6
17.5°	453.0	453.4	465.5	484.5	503.5	517.9	525.5	531.1	*537.9*	542.2	544.3
20°	471.1	471.9	485.5	508.0	529.6	546.1	552.3	550.3	*552.1*	555.4	557.9
22.5°	495.4	495.8	511.1	535.4	558.1	576.2	580.4	571.9	*566.8*	569.0	570.7
25°	523.7	526.3	541.6	566.6	589.8	607.2	609.0	596.2	*583.5*	584.1	585.1
27.5°	558.1	560.6	576.0	600.8	624.5	639.5	639.3	622.2	*603.5*	598.7	600.2
30°	595.4	598.1	614.0	639.5	661.6	674.8	671.9	651.5	*624.7*	615.8	616.9
32.5°	639.7	641.4	657.5	683.0	703.4	714.0	708.0	682.8	*649.4*	639.3	641.8
35°	693.3	695.8	707.8	731.9	749.8	758.5	748.4	718.7	*681.2*	669.8	671.5
37.5°	754.6	752.9	766.5	788.0	802.8	808.2	794.4	759.1	*717.5*	704.1	706.5
40°	818.5	817.7	832.5	853.1	861.2	864.5	844.1	805.5	*759.3*	744.9	749.6
42.5°	876.4	875.8	895.8	918.7	928.4	924.7	898.9	854.8	*807.8*	791.3	795.4
45°	922.8	922.0	946.5	978.7	997.7	991.5	956.8	909.2	*856.8*	839.7	843.6
47.5°	958.5	958.9	985.3	1025.1	1058.3	1060.5	1016.0	964.7	*910.9*	891.5	897.2
50°	984.2	985.5	1013.7	1057.9	1103.2	1123.2	1076.4	1021.6	*966.7*	944.9	951.5
52.5°	990.6	992.9	1026.9	1078.7	1132.1	1170.2	1137.8	1076.2	*1019.7*	998.9	1004.2
55°	956.6	961.2	1004.2	1077.0	1149.8	1201.1	1191.9	1131.7	*1073.1*	1051.7	1057.6
57.5°	878.5	884.9	935.2	1030.2	1145.9	1222.4	1233.7	1184.9	*1126.5*	1105.9	1110.6
60°	769.0	776.6	824.9	928.6	1090.6	1230.2	1263.2	1236.6	*1175.6*	1155.6	1159.9
62.5°	603.9	613.8	671.5	793.1	973.9	1193.7	1288.3	1283.4	*1219.7*	1194.7	1197.6
65°	387.4	397.9	458.7	602.4	818.3	1082.0	1296.2	1329.0	*1266.3*	1231.4	1235.8
67.5°	233.6	238.3	268.4	365.1	598.1	913.5	1229.8	1379.5	*1320.7*	1277.4	1280.7
70°	149.5	152.2	170.1	214.4	338.1	666.5	1065.3	1389.0	*1386.7*	1324.6	1324.2
72.5°	*101.4*	*102.3*	*107.0*	*127.0*	*191.3*	*378.7*	*785.7*	*1257.4*	*1427.9*	*1385.5*	*1378.9*
75°	74.2	78.8	86.4	89.9	108.7	189.3	450.3	883.4	*1203.4*	1222.0	1177.0
77.5°	55.3	55.5	66.0	70.1	77.5	100.8	190.5	493.2	*747.2*	784.5	699.7
80°	46.8	44.3	44.1	56.5	58.3	62.9	85.1	170.3	*267.6*	162.3	122.7
82.5°	39.0	36.3	32.8	44.1	39.8	38.6	36.9	69.3	*85.1*	41.9	35.7
85°	27.2	26.0	24.7	28.9	22.7	19.4	17.7	32.4	*35.9*	17.7	15.7
87.5°	11.8	12.2	12.4	12.8	9.5	6.8	6.8	9.1	*9.1*	7.0	5.2
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)