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: P1201587

Luminaire Tested: GWC-SB1B-827-U-5NQ

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1201587
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)
Test Lab:	INNOVATION CENTER
Issue Date:	3/16/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB1B-827-U-5NQ
Description:	GALLEON WALL LUMINAIRE
	(1) 80 CRI, 2700K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE V NARROW OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5159 lumens
Efficiency:	N/A
Efficacy:	129.6 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):	39.8
Input Voltage (V):	120.0
Input Current (Ain):	0.33
Voltage Rise (V):	NR
Power Factor:	0.996
Total Harmonic Distortion (THDi):	5.305
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

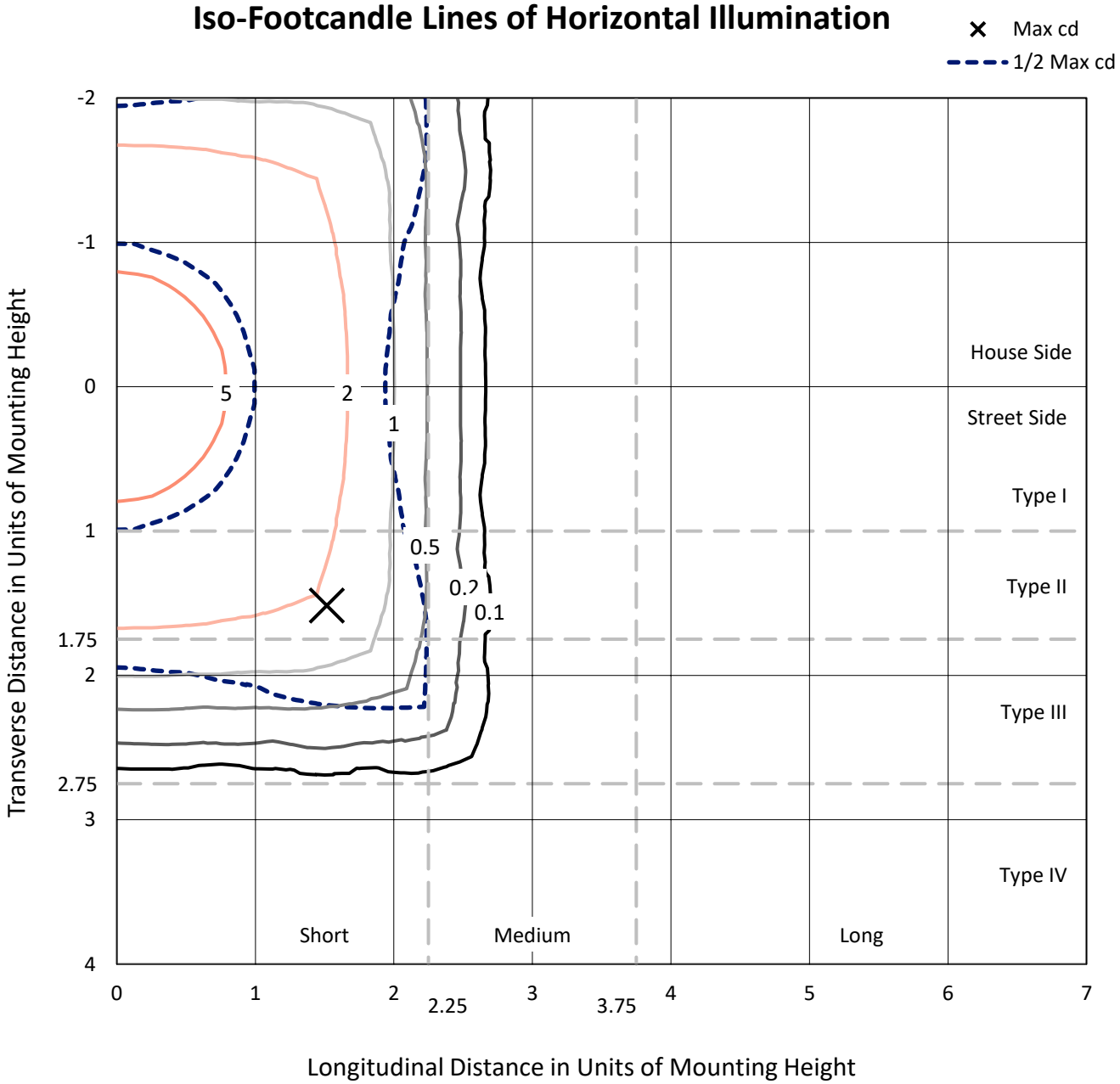


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Iso-Footcandle Lines of Horizontal Illumination



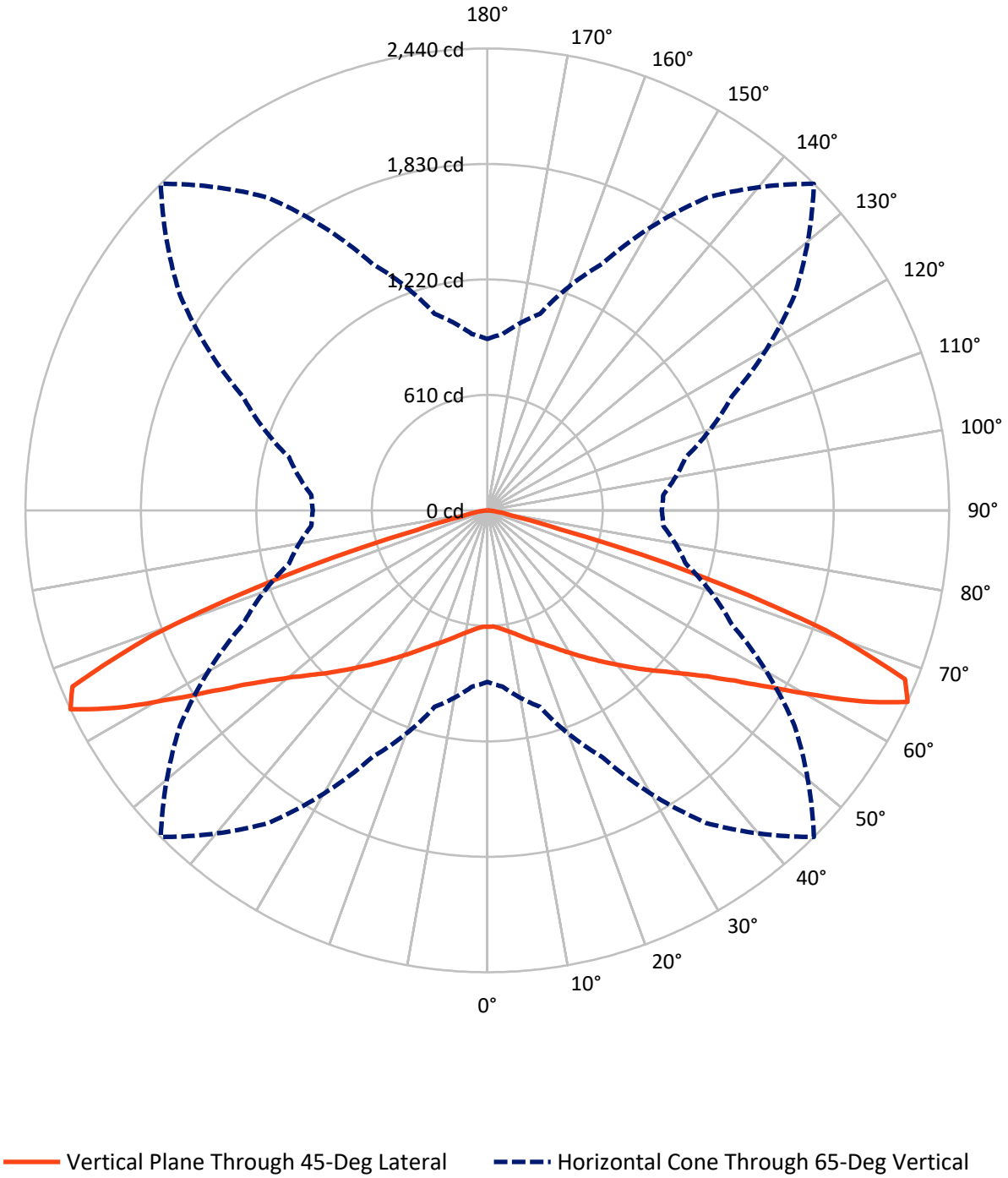
Based on 10 foot mounting height. Maximum calculated value = 6.3 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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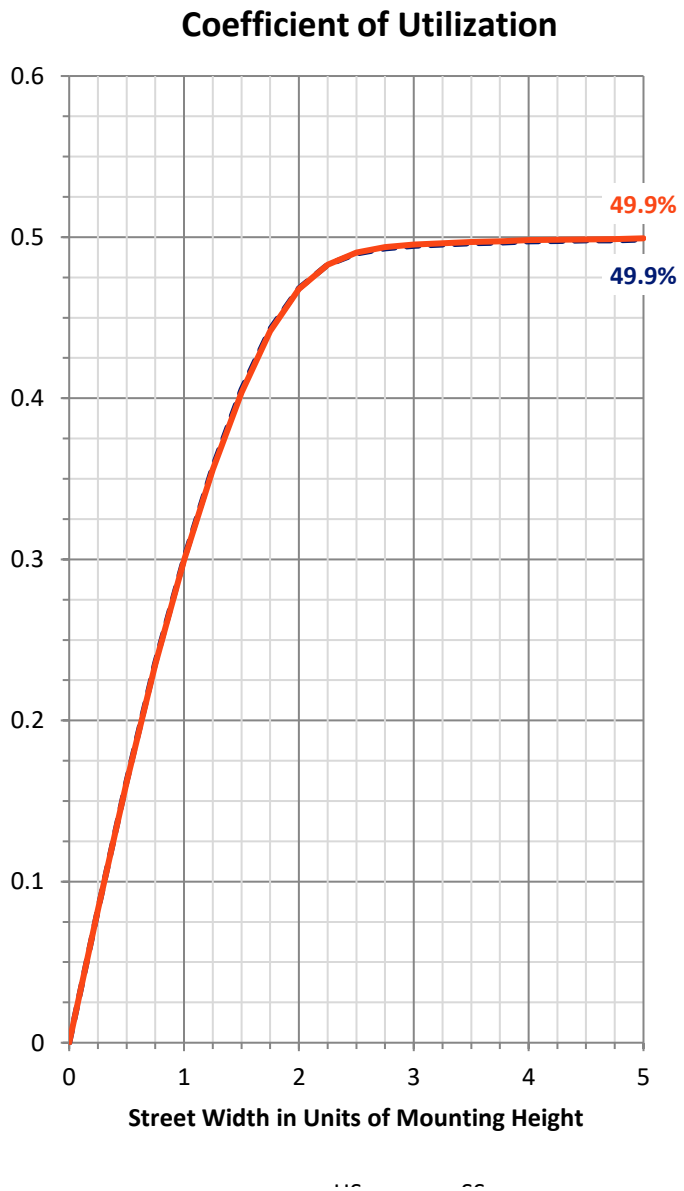
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2579.5	0.0	2579.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2579.5	0.0	2579.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	5159.0	0.0	5159.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.6	1.2
10°-20°	197.7	3.8
20°-30°	373.3	7.2
30°-40°	611.3	11.8
40°-50°	947.8	18.4
50°-60°	1400.1	27.1
60°-70°	1332.8	25.8
70°-80°	215.1	4.2
80°-90°	20.3	0.4
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°	5159.0	100.0
0°-180°	5159.0	100.0



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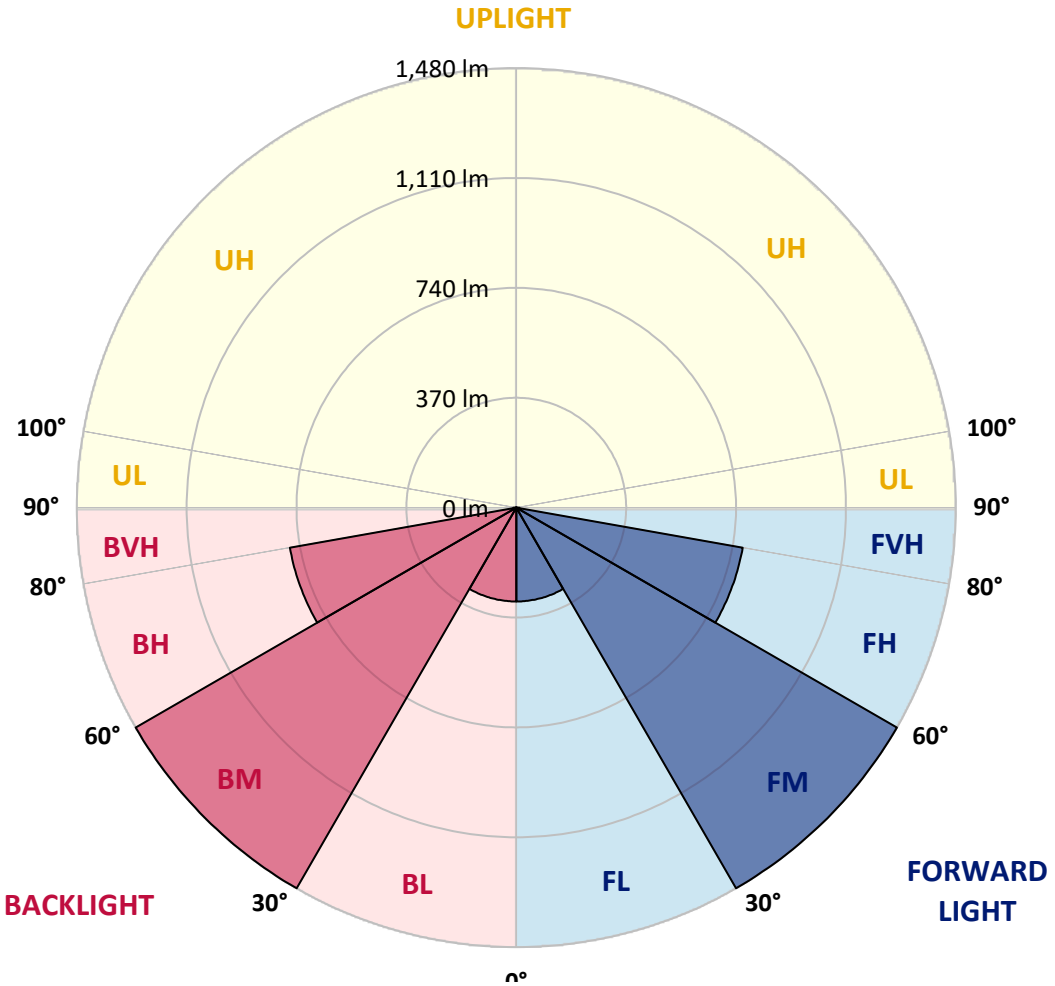
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	315.8	6.1			
FM	(30°-60°)	1479.6	28.7			
FH	(60°-80°)	773.9	15.0			G1/1800
FVH	(80°-90°)	10.1	0.2			G1/100
BL	(0°-30°)	315.8	6.1	B1/500		
BM	(30°-60°)	1479.6	28.7	B2/2500		
BH	(60°-80°)	773.9	15.0	B2/1000		G1/1800
BVH	(80°-90°)	10.1	0.2			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°	614.0	614.0	614.0	614.0	614.0	614.0	614.0	614.0	614.0	614.0	614.0
2.5°	618.1	616.0	617.6	616.3	615.3	614.2	614.7	616.6	617.3	617.6	617.6
5°	626.4	624.6	625.4	625.4	623.5	623.0	623.3	624.6	626.1	626.1	626.1
7.5°	639.9	638.0	639.9	638.8	637.3	636.8	636.5	637.5	639.9	639.9	639.1
10°	656.2	654.1	655.1	654.6	652.8	652.0	651.8	653.3	655.4	655.1	654.6
12.5°	674.0	671.7	673.0	671.4	670.9	670.1	670.1	669.9	671.2	670.1	670.7
15°	694.0	692.4	692.9	691.9	692.7	692.1	690.1	689.0	689.6	688.0	688.3
17.5°	717.5	713.9	715.7	715.2	715.2	716.2	712.9	711.6	712.6	711.0	712.3
20°	744.7	741.1	741.8	740.8	739.5	740.5	736.4	737.4	738.2	737.2	739.5
22.5°	774.5	769.8	769.5	770.1	767.2	767.5	764.6	767.2	768.8	765.9	768.8
25°	805.0	800.1	803.4	802.2	798.5	799.3	797.2	799.8	801.1	797.5	801.6
27.5°	837.4	834.0	837.1	837.9	833.5	836.6	833.5	835.8	837.1	831.7	835.8
30°	875.1	871.8	874.6	876.7	871.5	876.4	873.8	875.4	875.7	869.2	873.1
32.5°	916.3	911.1	918.4	919.4	913.7	919.7	916.3	918.4	919.7	910.9	916.8
35°	966.5	960.0	968.3	967.0	962.1	967.0	963.9	967.0	970.1	959.5	966.0
37.5°	1020.6	1013.9	1022.7	1020.4	1015.7	1019.1	1017.2	1019.3	1024.2	1012.8	1019.8
40°	1080.1	1071.9	1083.8	1079.6	1075.2	1074.7	1075.7	1077.0	1083.5	1070.8	1075.0
42.5°	1143.8	1135.0	1152.9	1146.4	1140.2	1136.1	1139.4	1142.0	1148.2	1134.0	1141.5
45°	1216.6	1206.5	1229.8	1222.0	1212.2	1203.6	1209.0	1212.9	1222.0	1204.9	1213.7
47.5°	1296.8	1285.4	1310.3	1307.9	1291.9	1273.2	1285.7	1296.8	1303.5	1282.8	1289.8
50°	1375.2	1366.4	1399.0	1401.9	1382.2	1356.1	1373.4	1390.2	1392.1	1364.9	1368.2
52.5°	1448.7	1439.9	1487.3	1505.2	1487.6	1456.5	1474.9	1492.0	1478.2	1443.0	1444.1
55°	1507.5	1500.2	1560.6	1606.6	1612.6	1587.0	1597.8	1597.3	1552.3	1498.2	1500.0
57.5°	1521.7	1520.7	1596.8	1694.4	1756.5	1759.6	1738.1	1683.2	1586.2	1513.4	1508.8
60°	1457.0	1463.5	1568.1	1740.2	1905.9	1974.7	1881.8	1725.2	1547.6	1446.7	1434.8
62.5°	1263.4	1280.5	1406.5	1684.3	2026.5	2222.2	1997.0	1661.5	1389.2	1257.5	1249.7
65°	905.4	935.2	1074.5	1437.3	2015.6	2439.6	1980.4	1425.7	1084.8	932.9	921.7
67.5°	410.8	441.1	559.4	984.1	1752.1	2380.6	1748.0	994.5	587.3	442.6	436.1
70°	148.8	154.0	192.1	394.0	1119.7	1896.8	1167.6	396.8	204.2	164.1	162.0
72.5°	90.1	90.9	98.9	141.1	389.0	1151.6	405.6	145.7	100.9	89.6	91.1
75°	57.2	56.7	70.4	86.2	138.0	388.5	144.7	86.2	70.1	63.9	64.5
77.5°	41.2	42.5	50.5	64.5	87.0	131.8	85.4	61.6	50.5	41.4	42.2
80°	30.8	31.6	36.8	50.2	61.1	82.1	54.4	45.6	38.0	25.9	26.7
82.5°	22.3	22.3	24.1	36.5	37.3	44.3	29.5	32.1	25.1	18.4	18.4
85°	13.2	12.9	15.0	21.7	19.4	16.3	13.5	19.7	15.8	11.4	11.1
87.5°	4.7	4.9	4.7	6.2	5.2	4.4	4.1	5.4	4.4	3.9	3.6
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)