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: P1203458

Luminaire Tested: GWC-SB2C-827-U-5WQ

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1203458
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)
Test Lab:	INNOVATION CENTER
Issue Date:	3/16/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB2C-827-U-5WQ
Description:	GALLEON WALL LUMINAIRE
	(2) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	13170 lumens
Efficiency:	N/A
Efficacy:	130.5 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type V - Short
BUG Rating:	B4 - U0 - G2

Input Watts (W):	100.9
Input Voltage (V):	120.0
Input Current (Ain):	0.857
Voltage Rise (V):	NR
Power Factor:	0.994
Total Harmonic Distortion (THDi):	9.472
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

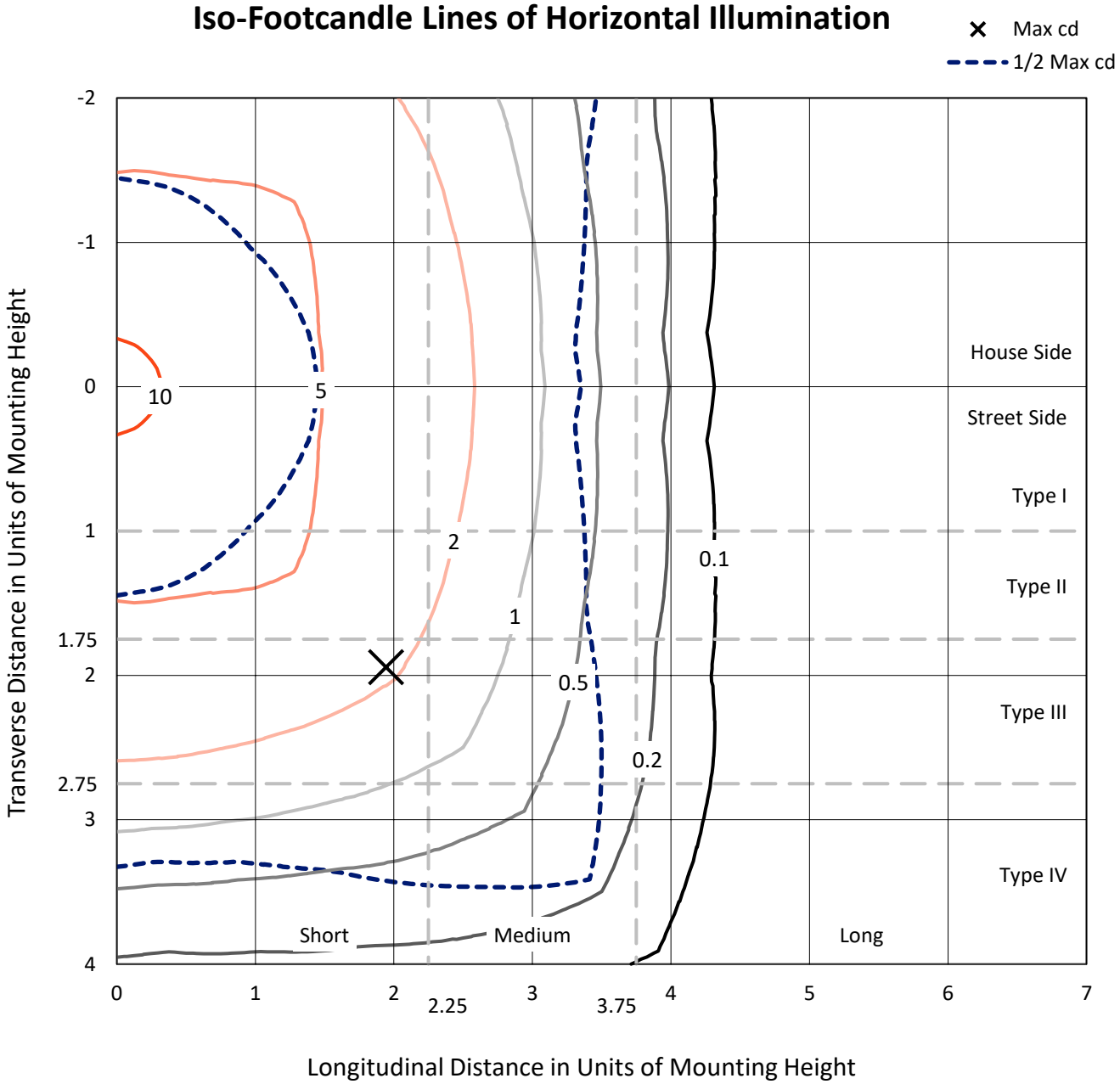


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Iso-Footcandle Lines of Horizontal Illumination



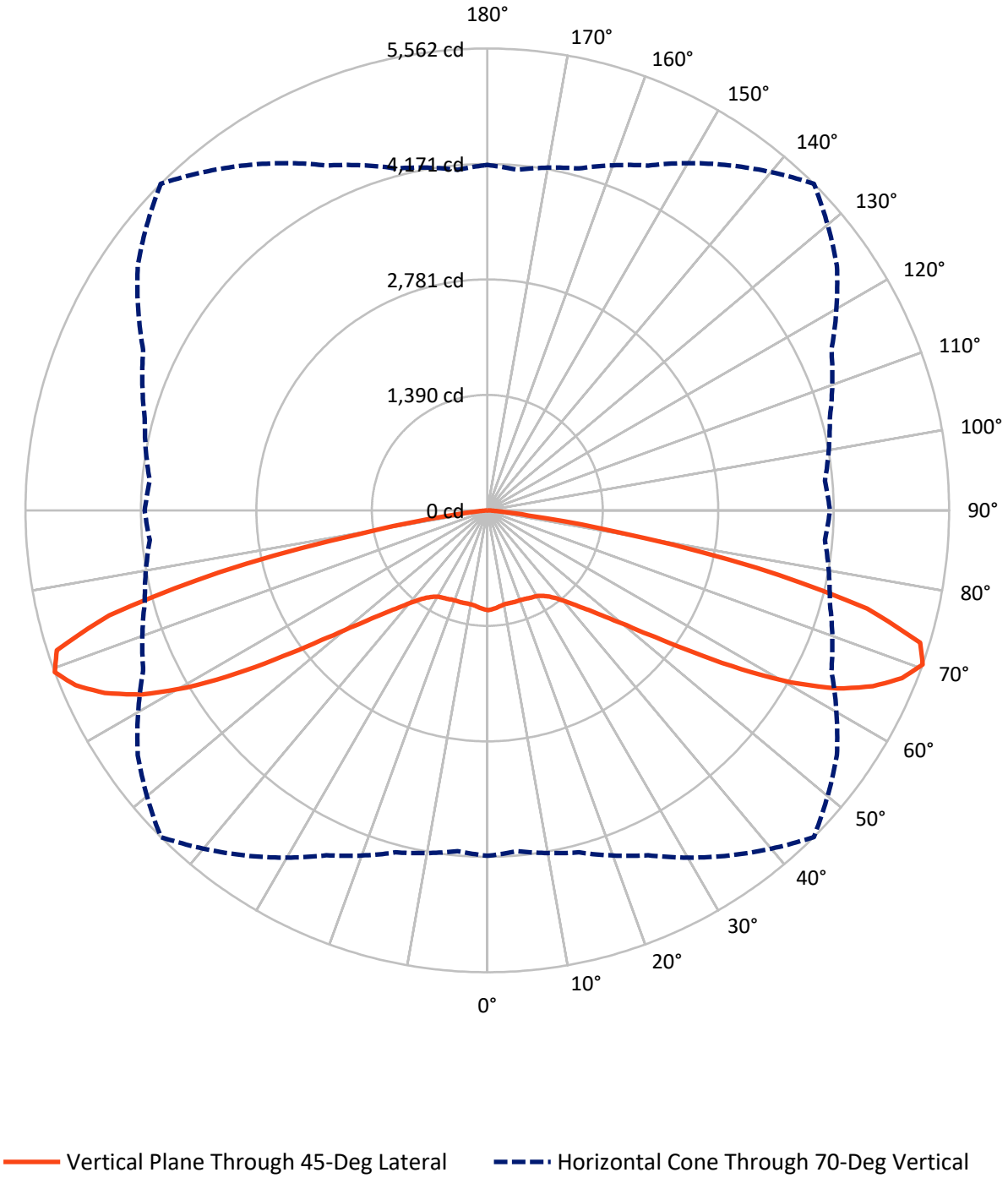
Based on 10 foot mounting height. Maximum calculated value = 12 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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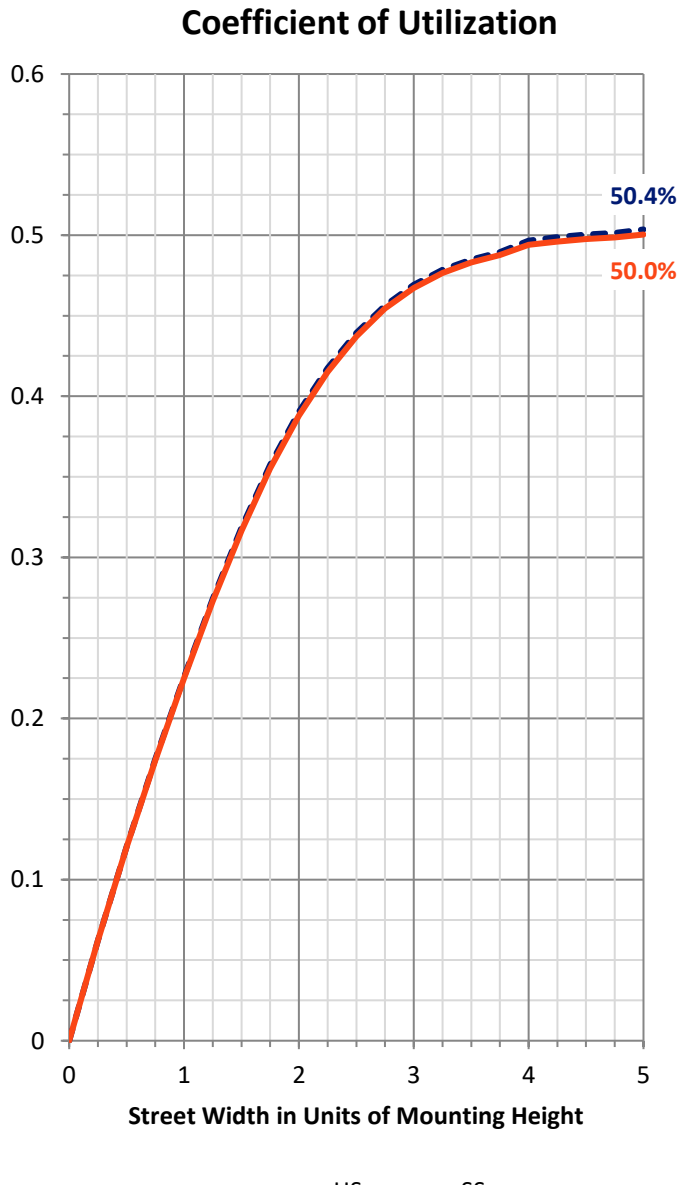
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6585.0	0.0	6585.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6585.0	0.0	6585.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	13170.0	0.0	13170.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.8	0.8
10°-20°	328.1	2.5
20°-30°	546.1	4.1
30°-40°	825.8	6.3
40°-50°	1372.3	10.4
50°-60°	2589.6	19.7
60°-70°	4372.6	33.2
70°-80°	2873.2	21.8
80°-90°	150.5	1.1
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°	13170.0	100.0
0°-180°	13170.0	100.0



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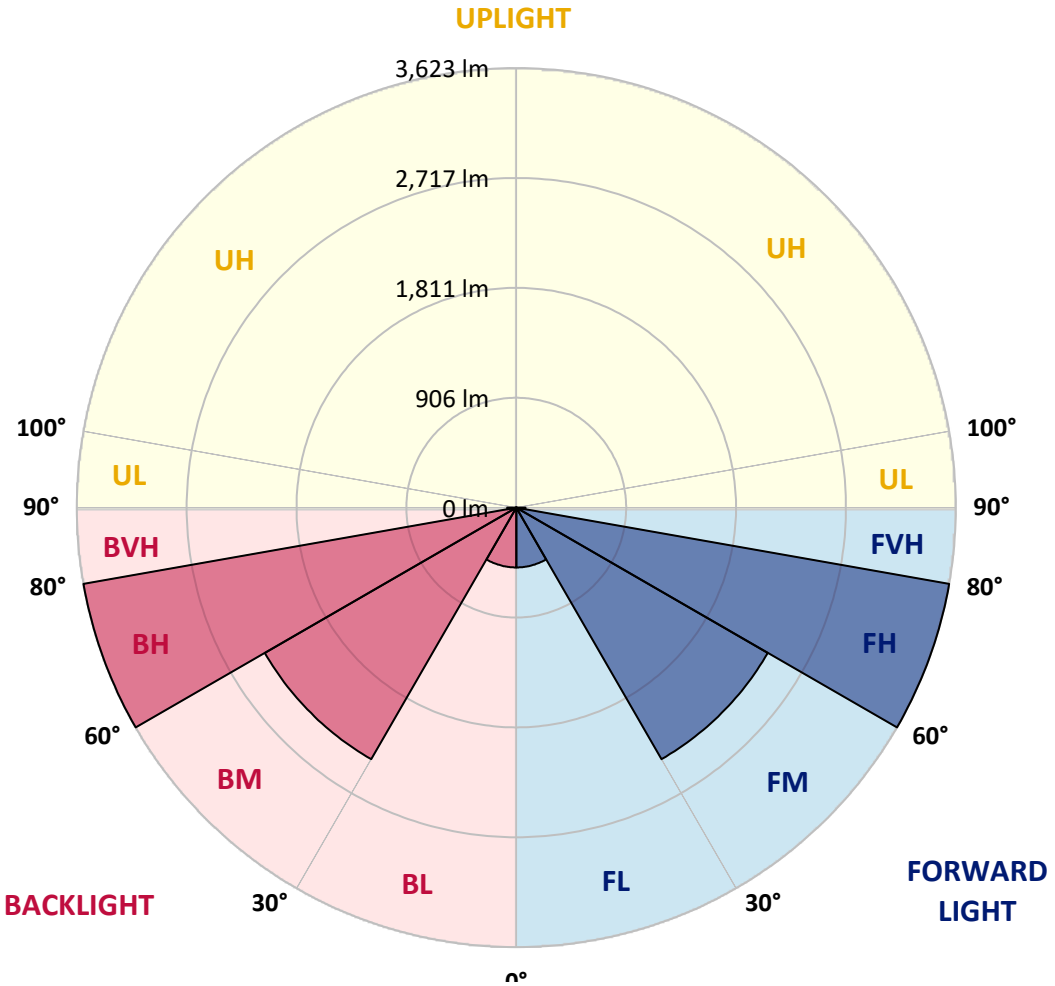
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	493.0	3.7			
FM	(30°-60°)	2393.9	18.2			
FH	(60°-80°)	3622.9	27.5			G2/5000
FVH	(80°-90°)	75.3	0.6			G1/100
BL	(0°-30°)	493.0	3.7	B1/500		
BM	(30°-60°)	2393.9	18.2	B2/2500		
BH	(60°-80°)	3622.9	27.5	B4/5000		G2/5000
BVH	(80°-90°)	75.3	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2
Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1201.4	1201.4	1201.4	1201.4	1201.4	1201.4	1201.4	1201.4	1201.4	1201.4	1201.4
2.5°	1193.8	1197.3	1195.9	1193.2	1193.2	1191.1	1193.2	1194.5	1196.6	1197.9	1197.3
5°	1178.1	1180.8	1180.1	1178.1	1178.8	1176.7	1178.1	1180.1	1181.5	1182.2	1182.2
7.5°	1164.4	1167.1	1165.8	1162.4	1162.4	1160.3	1161.0	1163.0	1165.1	1165.8	1165.8
10°	1161.0	1163.7	1159.6	1154.1	1152.1	1149.3	1150.0	1152.1	1156.2	1158.2	1158.2
12.5°	1162.4	1164.4	1160.3	1152.1	1150.0	1147.3	1147.3	1149.3	1154.8	1157.6	1158.2
15°	1166.5	1168.5	1162.4	1153.5	1151.4	1149.3	1148.7	1151.4	1157.6	1162.4	1163.0
17.5°	1174.0	1176.0	1166.5	1154.1	1151.4	1152.1	1151.4	1153.5	1163.0	1171.9	1171.9
20°	1180.8	1182.2	1169.2	1154.1	1151.4	1152.1	1151.4	1155.5	1167.8	1180.1	1180.8
22.5°	1182.9	1184.3	1171.9	1158.9	1156.9	1157.6	1156.9	1161.0	1172.6	1184.9	1184.9
25°	1183.6	1185.6	1176.0	1165.8	1169.2	1170.6	1169.2	1169.9	1178.8	1189.7	1189.0
27.5°	1193.8	1196.6	1187.7	1178.8	1180.8	1180.1	1182.2	1184.3	1191.1	1202.1	1199.3
30°	1215.1	1217.1	1209.6	1200.7	1199.3	1194.5	1200.7	1207.5	1215.1	1224.6	1222.6
32.5°	1250.0	1254.1	1244.5	1234.9	1228.8	1226.0	1230.8	1242.4	1252.7	1263.0	1258.9
35°	1308.2	1310.9	1302.0	1284.2	1273.2	1273.2	1277.4	1292.4	1308.8	1321.8	1317.1
37.5°	1390.3	1393.7	1378.0	1356.8	1340.3	1340.3	1345.8	1361.6	1386.2	1404.7	1397.8
40°	1490.2	1495.0	1475.2	1453.3	1437.5	1434.8	1441.6	1459.4	1482.7	1506.0	1498.5
42.5°	1610.7	1616.2	1590.2	1571.0	1558.7	1558.7	1562.1	1578.6	1599.8	1628.5	1626.5
45°	1764.7	1774.3	1738.7	1719.6	1707.9	1710.7	1712.7	1727.1	1746.3	1779.1	1777.8
47.5°	1948.2	1957.8	1920.1	1900.3	1898.2	1911.2	1903.0	1913.3	1923.6	1961.2	1950.3
50°	2156.3	2172.7	2146.7	2145.4	2149.5	2173.4	2154.3	2159.7	2148.1	2172.0	2157.7
52.5°	2411.0	2434.9	2430.1	2438.3	2484.2	2533.5	2489.7	2470.5	2426.7	2434.2	2408.9
55°	2719.7	2756.0	2762.8	2812.1	2916.1	3016.8	2923.7	2846.3	2753.2	2736.1	2709.4
57.5°	3070.9	3099.6	3132.5	3233.1	3427.5	3606.2	3427.5	3256.4	3109.9	3075.0	3050.3
60°	3448.7	3484.3	3515.8	3664.3	3953.2	4204.4	3947.7	3676.0	3482.3	3435.0	3394.0
62.5°	3854.6	3900.5	3922.4	4087.4	4424.2	4724.0	4429.0	4099.7	3884.8	3834.1	3793.0
65°	4244.2	4281.8	4306.4	4482.4	4804.1	5104.6	4826.0	4501.5	4280.4	4214.0	4181.2
67.5°	4425.6	4446.1	4506.3	4705.5	5045.1	5388.0	5102.6	4726.8	4479.6	4363.3	4364.6
70°	4160.0	4118.2	4263.3	4582.3	5073.8	5561.9	5139.5	4572.7	4270.2	4081.2	4126.4
72.5°	3214.6	3142.7	3394.6	3940.2	4745.2	5451.0	4778.1	3971.0	3551.4	3168.1	3263.2
75°	1749.0	1667.5	2015.3	2705.3	3784.1	4724.7	3871.1	2782.7	2243.9	1736.0	1848.9
77.5°	493.6	462.7	743.4	1308.8	2276.1	3317.3	2363.7	1337.6	881.7	523.0	581.2
80°	151.3	146.5	198.5	394.3	966.6	1588.8	928.9	399.1	252.6	159.5	168.4
82.5°	89.7	82.1	98.6	143.8	246.4	499.0	239.6	149.9	120.5	80.8	87.6
85°	51.3	47.9	58.2	69.8	82.8	106.1	69.1	71.2	64.3	43.1	45.2
87.5°	21.2	19.2	22.6	21.9	19.2	24.6	18.5	21.9	26.0	17.1	15.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0


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SS

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(END OF REPORT)