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: P1203831

Luminaire Tested: GWC-SB2D-827-U-5NQ

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1203831
	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-SB2D-827-U-5NQ
Description:	GALLEON WALL LUMINAIRE
	(2) 80 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	18539 lumens
Efficiency:	N/A
Efficacy:	125.6 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):	147.6
Input Voltage (V):	120.0
Input Current (Ain):	1.234
Voltage Rise (V):	NR
Power Factor:	0.999
Total Harmonic Distortion (THDi):	3.108
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

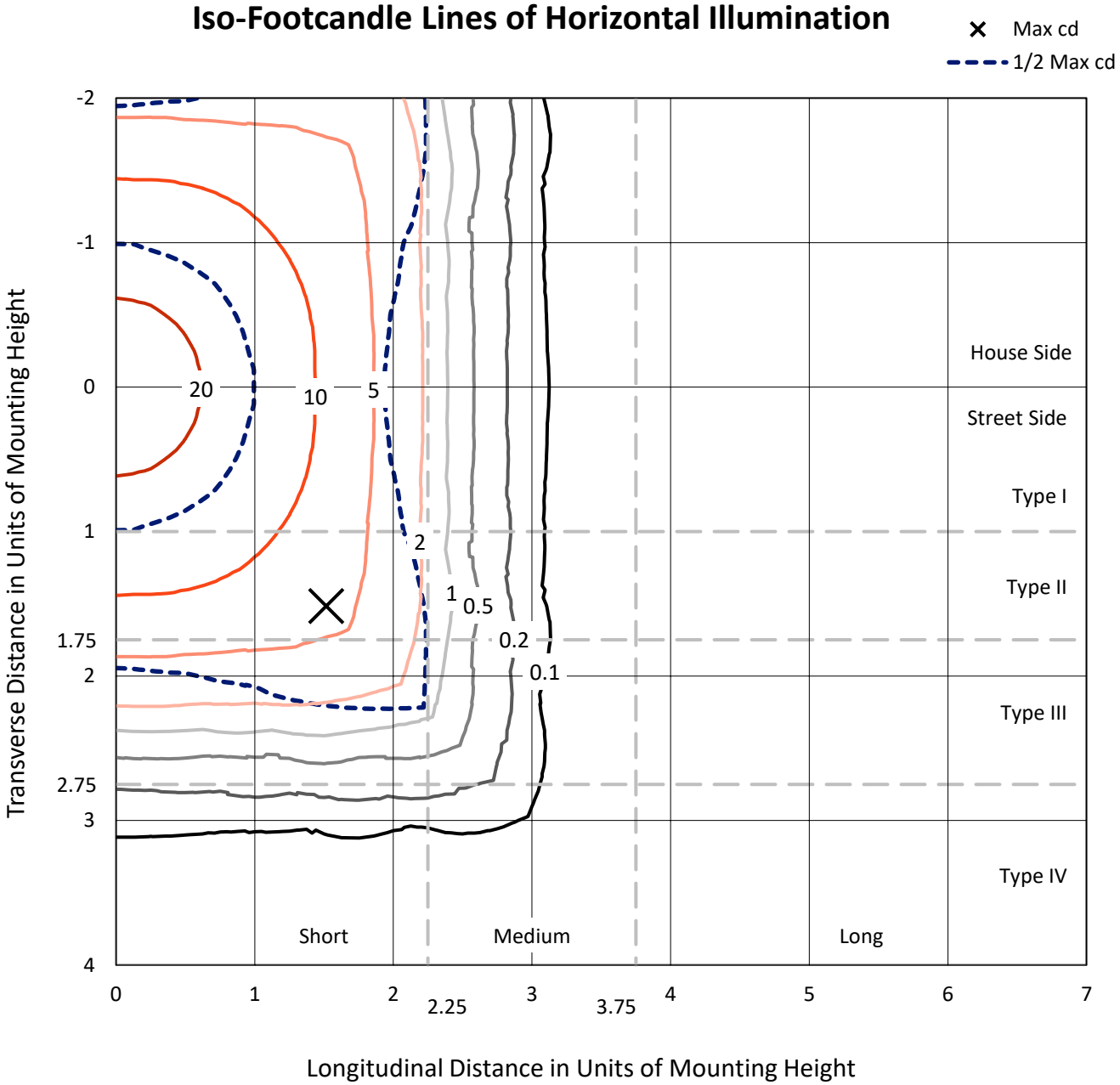


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Iso-Footcandle Lines of Horizontal Illumination



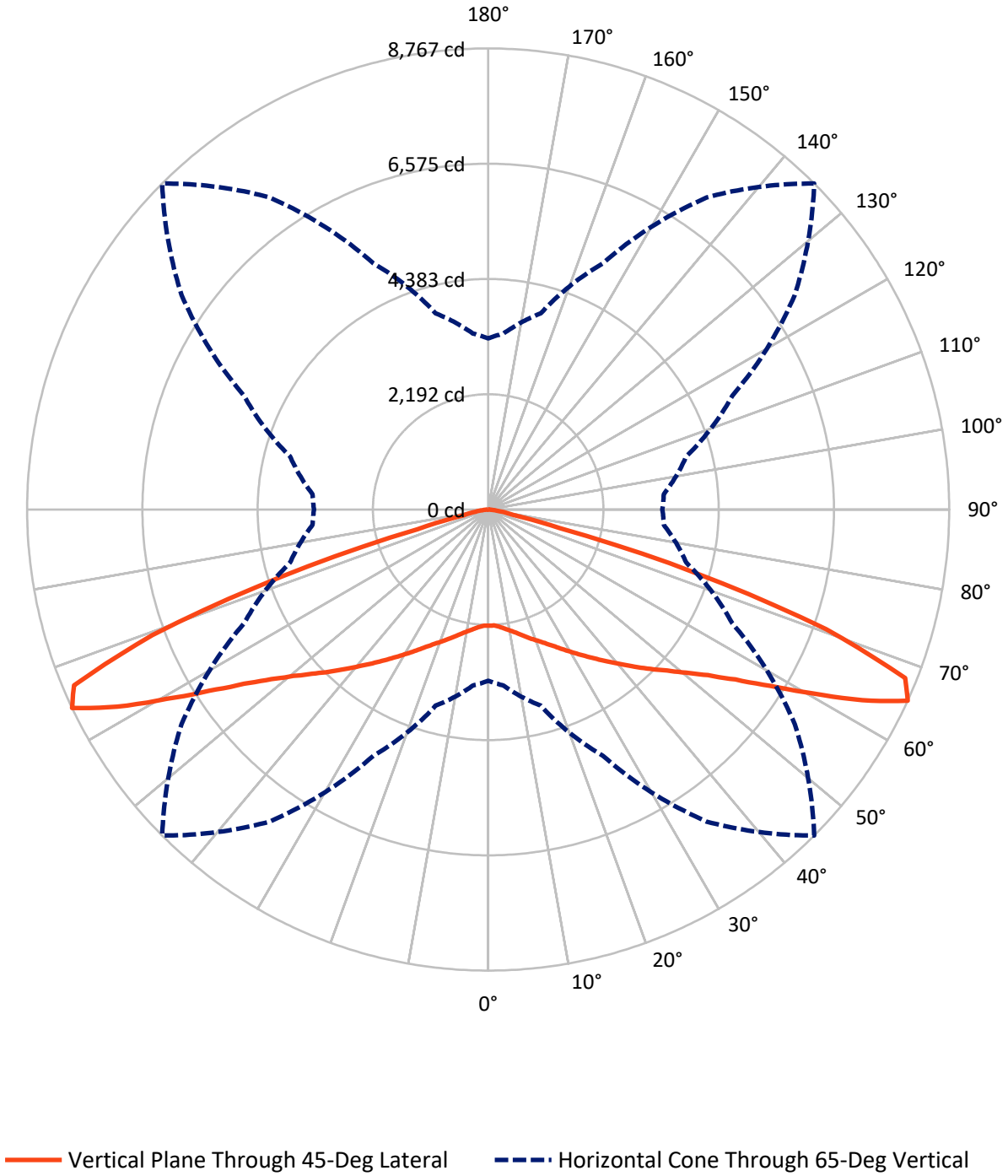
Based on 10 foot mounting height. Maximum calculated value = 22.5 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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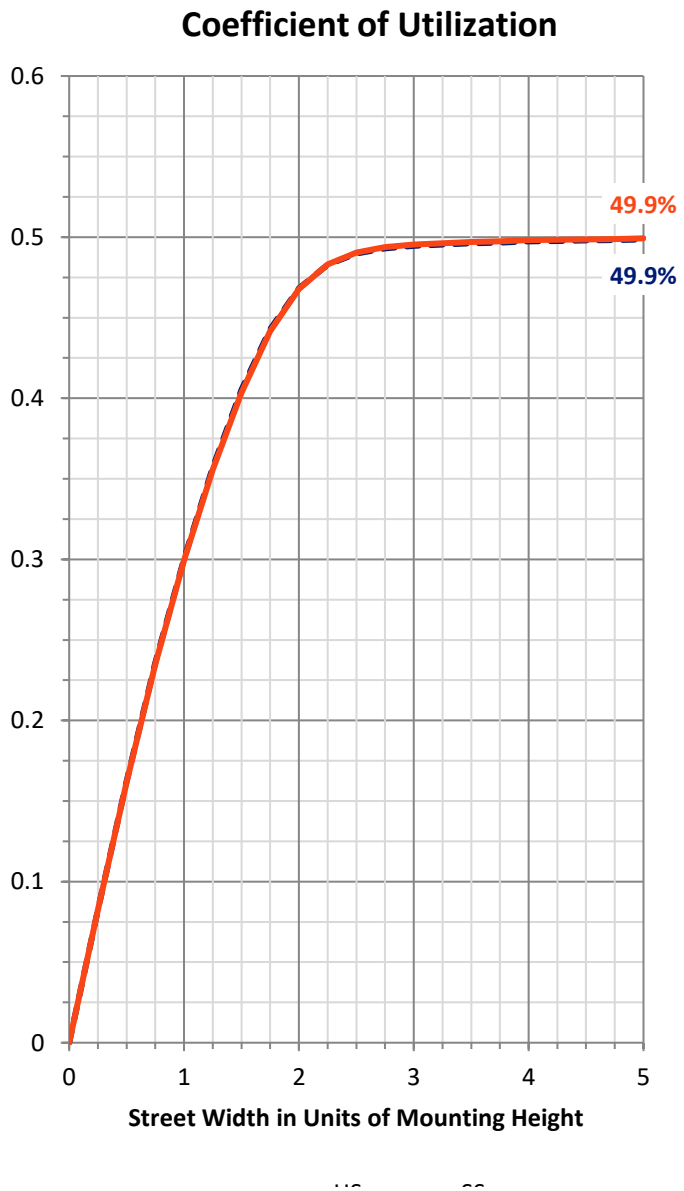
REPORT NUMBER: P1203831
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9269.5	0.0	9269.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9269.5	0.0	9269.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	18539.0	0.0	18539.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.7	1.2
10°-20°	710.5	3.8
20°-30°	1341.5	7.2
30°-40°	2196.7	11.8
40°-50°	3406.0	18.4
50°-60°	5031.4	27.1
60°-70°	4789.4	25.8
70°-80°	772.8	4.2
80°-90°	72.8	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°	18539.0	100.0
0°-180°	18539.0	100.0



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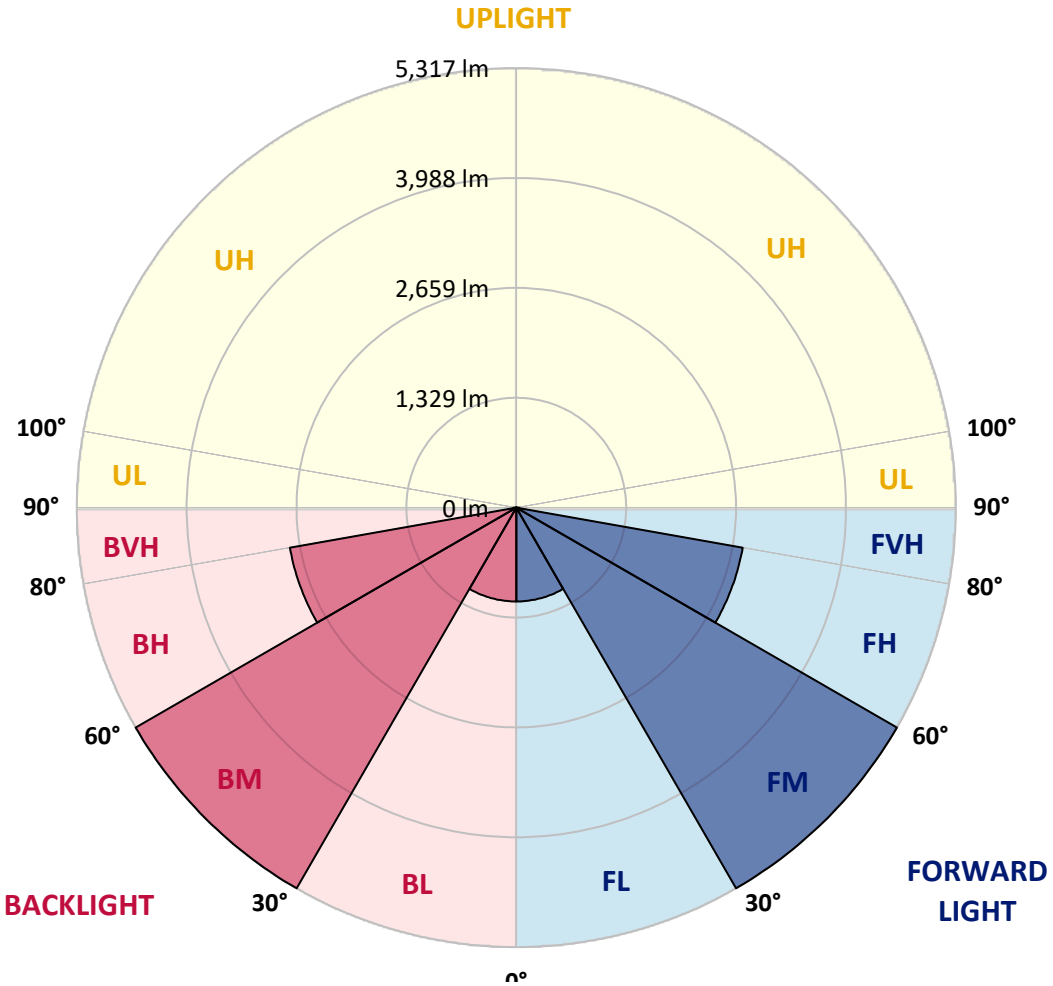
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1134.9	6.1			
FM	(30°-60°)	5317.1	28.7			
FH	(60°-80°)	2781.1	15.0			G2/5000
FVH	(80°-90°)	36.4	0.2			G1/100
BL	(0°-30°)	1134.9	6.1	B3/2500		
BM	(30°-60°)	5317.1	28.7	B4/8500		
BH	(60°-80°)	2781.1	15.0	B4/5000		G2/5000
BVH	(80°-90°)	36.4	0.2			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°	2206.3	2206.3	2206.3	2206.3	2206.3	2206.3	2206.3	2206.3	2206.3	2206.3	2206.3
2.5°	2221.2	2213.8	2219.3	2214.7	2211.0	2207.3	2209.1	2215.6	2218.4	2219.3	2219.3
5°	2251.0	2244.5	2247.3	2247.3	2240.7	2238.9	2239.8	2244.5	2250.0	2250.0	2250.0
7.5°	2299.3	2292.8	2299.3	2295.6	2290.0	2288.2	2287.2	2291.0	2299.3	2299.3	2296.6
10°	2357.9	2350.5	2354.2	2352.4	2345.8	2343.1	2342.1	2347.7	2355.2	2354.2	2352.4
12.5°	2422.1	2413.8	2418.4	2412.8	2411.0	2408.2	2408.2	2407.2	2411.9	2408.2	2410.0
15°	2493.7	2488.2	2490.0	2486.3	2489.1	2487.2	2479.8	2476.1	2477.9	2472.4	2473.3
17.5°	2578.4	2565.4	2571.9	2570.0	2570.0	2573.7	2561.6	2557.0	2560.7	2555.1	2559.8
20°	2676.1	2663.0	2665.8	2662.1	2657.5	2661.2	2646.3	2650.0	2652.8	2649.1	2657.5
22.5°	2783.0	2766.3	2765.3	2767.2	2757.0	2757.9	2747.7	2757.0	2762.6	2752.3	2762.6
25°	2892.8	2875.1	2887.2	2882.5	2869.5	2872.3	2864.9	2874.2	2878.8	2865.8	2880.7
27.5°	3009.0	2997.0	3008.1	3010.9	2995.1	3006.3	2995.1	3003.5	3008.1	2988.6	3003.5
30°	3144.9	3132.8	3143.0	3150.4	3131.8	3149.5	3140.2	3145.8	3146.7	3123.5	3137.4
32.5°	3292.7	3274.1	3300.2	3303.9	3283.4	3304.8	3292.7	3300.2	3304.8	3273.2	3294.6
35°	3473.2	3449.9	3479.7	3475.1	3457.4	3475.1	3463.9	3475.1	3486.2	3448.1	3471.3
37.5°	3667.6	3643.4	3675.0	3666.7	3649.9	3662.0	3655.5	3662.9	3680.6	3639.7	3664.8
40°	3881.5	3851.8	3894.6	3879.7	3863.9	3862.0	3865.7	3870.4	3893.6	3848.0	3862.9
42.5°	4110.4	4078.7	4142.9	4119.7	4097.3	4082.4	4094.5	4103.8	4126.2	4075.0	4102.0
45°	4371.7	4335.5	4419.2	4391.3	4355.9	4325.2	4344.8	4358.7	4391.3	4329.9	4361.5
47.5°	4660.1	4619.1	4708.4	4700.1	4642.4	4575.4	4620.1	4660.1	4684.3	4609.8	4635.0
50°	4941.9	4910.3	5027.5	5037.7	4967.0	4873.1	4935.4	4995.9	5002.4	4904.7	4916.8
52.5°	5206.1	5174.4	5344.7	5408.8	5345.6	5234.0	5300.0	5361.4	5312.1	5185.6	5189.3
55°	5417.2	5391.2	5607.9	5773.5	5794.9	5702.8	5741.8	5740.0	5578.1	5383.7	5390.2
57.5°	5468.4	5464.7	5738.1	6088.8	6312.0	6323.2	6246.0	6048.8	5700.0	5438.6	5421.9
60°	5235.8	5259.1	5634.9	6253.4	6848.7	7096.1	6762.2	6199.5	5561.4	5198.6	5155.8
62.5°	4540.1	4601.5	5054.5	6052.5	7282.2	7985.4	7176.1	5970.7	4992.1	4518.7	4490.8
65°	3253.7	3360.6	3861.1	5165.1	7243.1	8766.7	7116.6	5123.3	3898.3	3352.3	3312.3
67.5°	1476.2	1585.0	2010.1	3536.4	6296.2	8554.6	6281.3	3573.7	2110.5	1590.6	1567.3
70°	534.8	553.4	690.2	1415.7	4023.8	6816.2	4195.9	1425.9	733.9	589.7	582.3
72.5°	323.7	326.5	355.3	506.9	1398.0	4138.3	1457.6	523.7	362.8	321.8	327.4
75°	205.6	203.7	253.0	309.7	495.8	1396.2	520.0	309.7	252.1	229.7	231.6
77.5°	147.9	152.5	181.4	231.6	312.5	473.4	307.0	221.4	181.4	148.8	151.6
80°	110.7	113.5	132.1	180.4	219.5	294.9	195.3	163.7	136.7	93.0	95.8
82.5°	80.0	80.0	86.5	131.2	133.9	159.1	106.0	115.3	90.2	66.0	66.0
85°	47.4	46.5	53.9	78.1	69.8	58.6	48.4	70.7	56.7	40.9	40.0
87.5°	16.7	17.7	16.7	22.3	18.6	15.8	14.9	19.5	15.8	14.0	13.0
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)