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: P1203743

Luminaire Tested: GWC-SB2D-735-U-5NQ

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1203743
	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-735-U-5NQ
Description:	GALLEON WALL LUMINAIRE
	(2) 70 CRI, 3500K, 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:	21321 lumens
Efficiency:	N/A
Efficacy:	144.5 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):	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

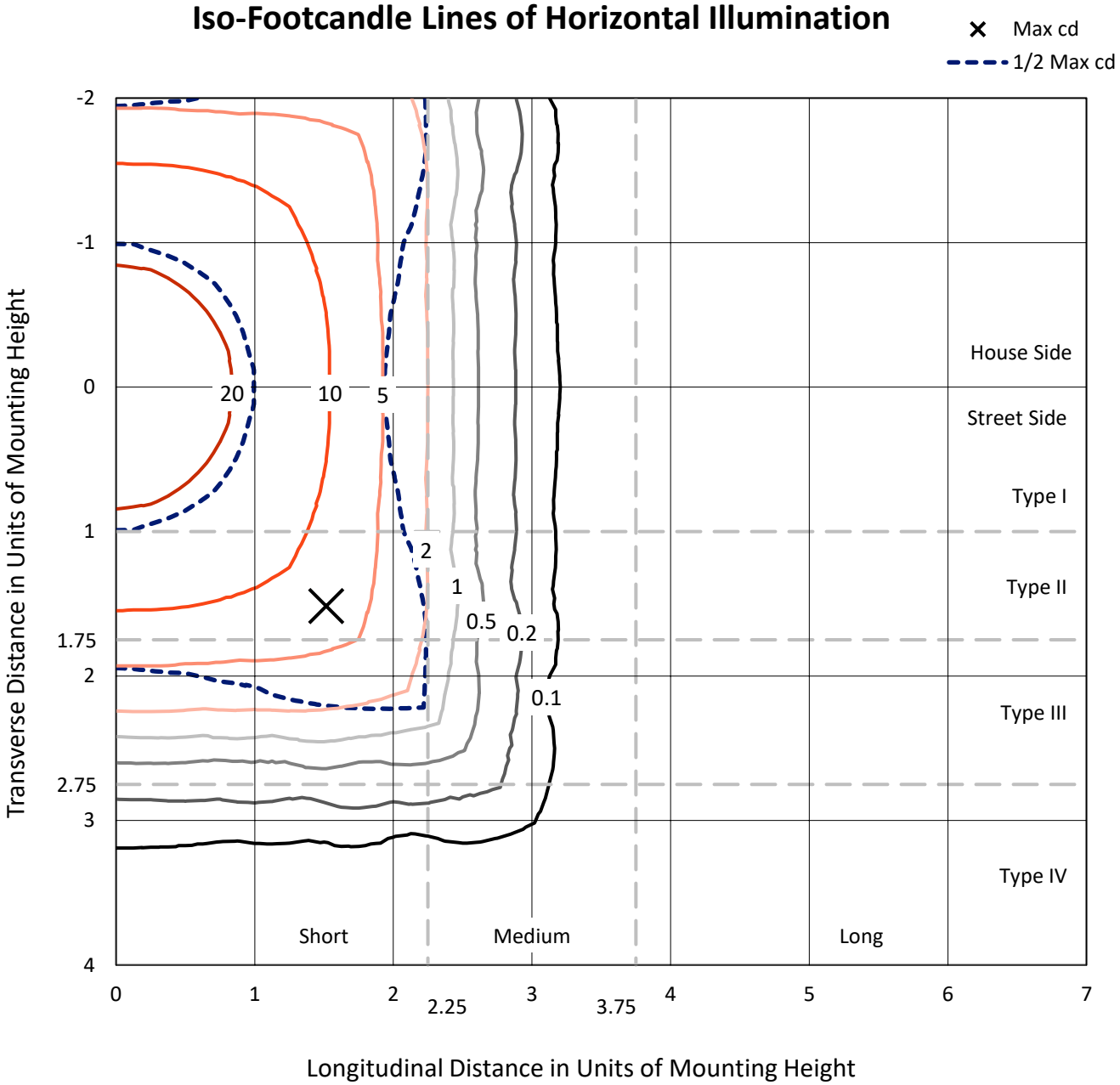


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Iso-Footcandle Lines of Horizontal Illumination



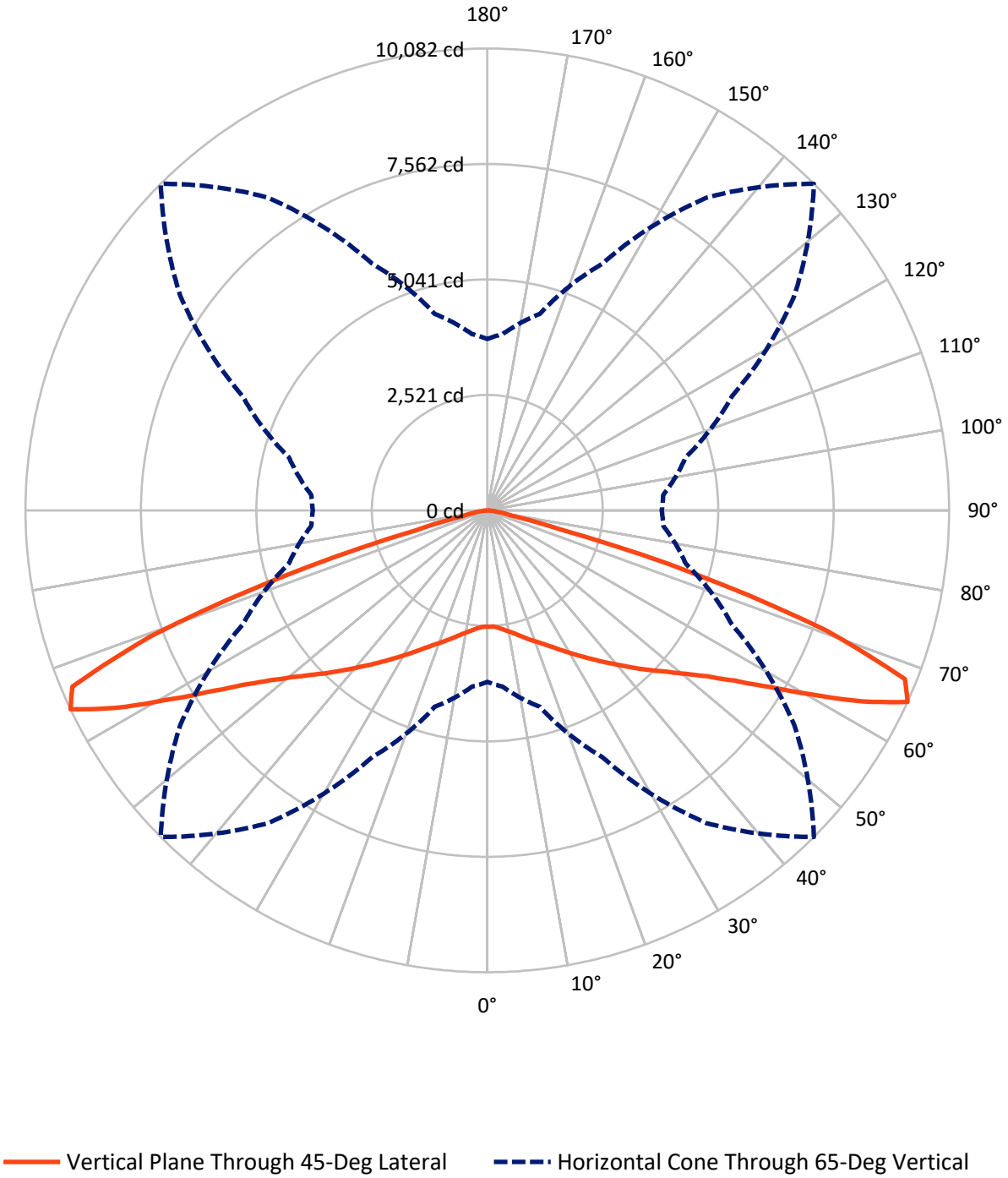
Based on 10 foot mounting height. Maximum calculated value = 25.9 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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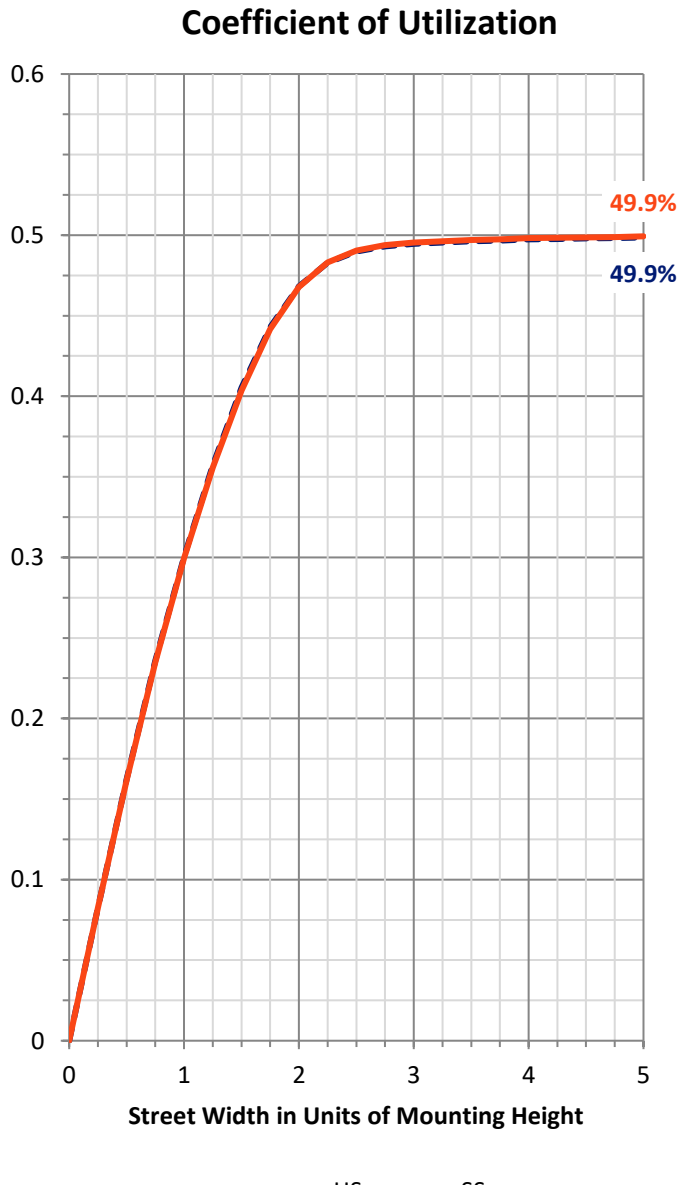
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10660.5	0.0	10660.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10660.5	0.0	10660.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	21321.0	0.0	21321.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	250.4	1.2
10°-20°	817.1	3.8
20°-30°	1542.8	7.2
30°-40°	2526.3	11.8
40°-50°	3917.1	18.4
50°-60°	5786.4	27.1
60°-70°	5508.1	25.8
70°-80°	888.8	4.2
80°-90°	83.8	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°	21321.0	100.0
0°-180°	21321.0	100.0



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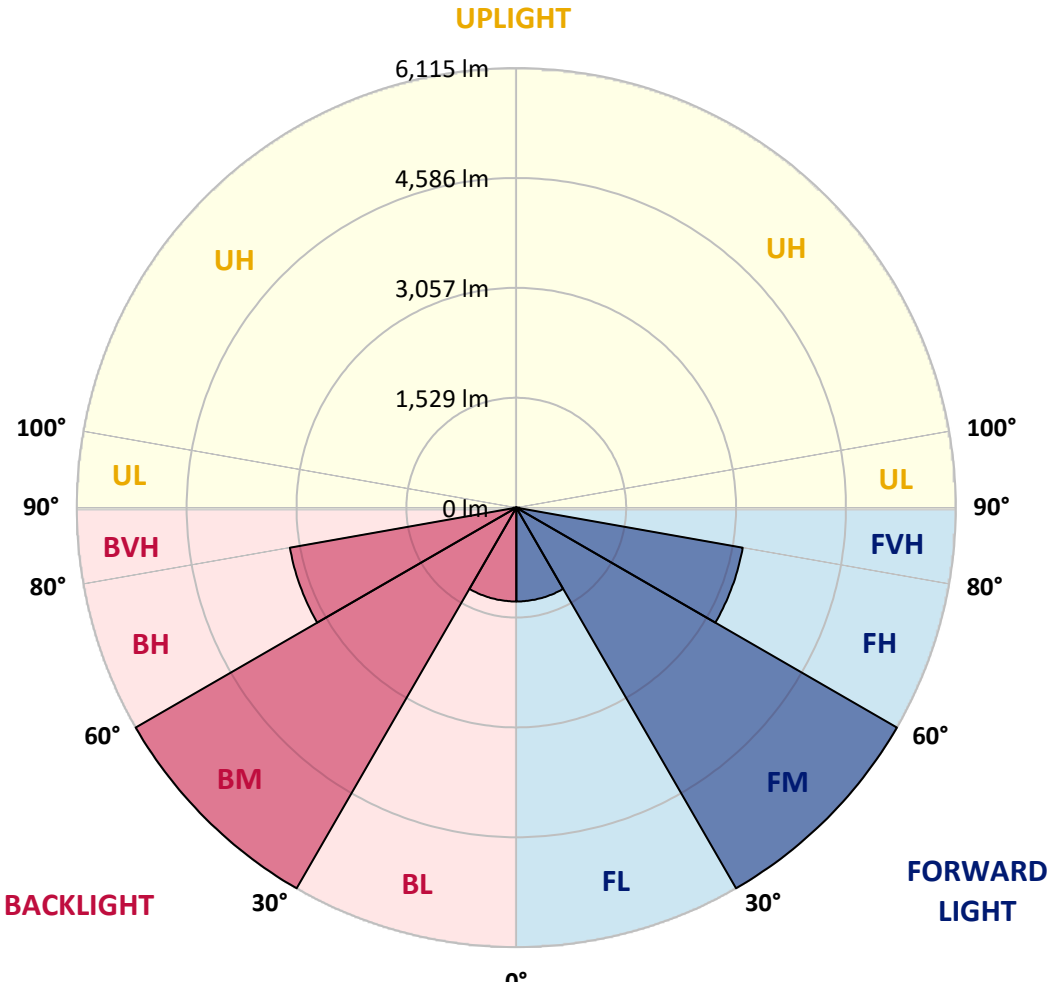
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1305.2	6.1			
FM	(30°-60°)	6114.9	28.7			
FH	(60°-80°)	3198.5	15.0			G2/5000
FVH	(80°-90°)	41.9	0.2			G1/100
BL	(0°-30°)	1305.2	6.1	B3/2500		
BM	(30°-60°)	6114.9	28.7	B4/8500		
BH	(60°-80°)	3198.5	15.0	B4/5000		G2/5000
BVH	(80°-90°)	41.9	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°	2537.4	2537.4	2537.4	2537.4	2537.4	2537.4	2537.4	2537.4	2537.4	2537.4	2537.4
2.5°	2554.5	2546.0	2552.4	2547.0	2542.8	2538.5	2540.6	2548.1	2551.3	2552.4	2552.4
5°	2588.8	2581.3	2584.5	2584.5	2577.0	2574.9	2575.9	2581.3	2587.7	2587.7	2587.7
7.5°	2644.4	2636.9	2644.4	2640.1	2633.7	2631.5	2630.5	2634.8	2644.4	2644.4	2641.2
10°	2711.8	2703.2	2707.5	2705.4	2697.9	2694.7	2693.6	2700.0	2708.6	2707.5	2705.4
12.5°	2785.6	2776.0	2781.3	2774.9	2772.8	2769.5	2769.5	2768.5	2773.8	2769.5	2771.7
15°	2868.0	2861.5	2863.7	2859.4	2862.6	2860.5	2851.9	2847.6	2849.8	2843.4	2844.4
17.5°	2965.3	2950.3	2957.8	2955.7	2955.7	2960.0	2946.1	2940.7	2945.0	2938.6	2943.9
20°	3077.6	3062.7	3065.9	3061.6	3056.2	3060.5	3043.4	3047.7	3050.9	3046.6	3056.2
22.5°	3200.6	3181.4	3180.3	3182.5	3170.7	3171.8	3160.0	3170.7	3177.1	3165.3	3177.1
25°	3326.9	3306.6	3320.5	3315.1	3300.1	3303.3	3294.8	3305.5	3310.8	3295.9	3313.0
27.5°	3460.6	3446.7	3459.5	3462.7	3444.5	3457.4	3444.5	3454.2	3459.5	3437.1	3454.2
30°	3616.8	3602.9	3614.6	3623.2	3601.8	3622.1	3611.4	3617.8	3618.9	3592.2	3608.2
32.5°	3786.9	3765.5	3795.4	3799.7	3776.2	3800.8	3786.9	3795.4	3800.8	3764.4	3789.0
35°	3994.4	3967.6	4001.9	3996.5	3976.2	3996.5	3983.7	3996.5	4009.4	3965.5	3992.3
37.5°	4218.0	4190.2	4226.5	4216.9	4197.6	4211.5	4204.1	4212.6	4232.9	4185.9	4214.8
40°	4464.0	4429.8	4479.0	4461.9	4443.7	4441.5	4445.8	4451.2	4477.9	4425.5	4442.6
42.5°	4727.2	4690.8	4764.6	4737.9	4712.2	4695.1	4709.0	4719.7	4745.3	4686.5	4717.5
45°	5027.8	4986.0	5082.3	5050.2	5009.6	4974.3	4996.7	5012.8	5050.2	4979.6	5016.0
47.5°	5359.4	5312.3	5415.0	5405.4	5339.0	5262.0	5313.4	5359.4	5387.2	5301.6	5330.5
50°	5683.5	5647.1	5781.9	5793.7	5712.4	5604.3	5676.0	5745.5	5753.0	5640.7	5654.6
52.5°	5987.3	5950.9	6146.7	6220.5	6147.8	6019.4	6095.4	6166.0	6109.3	5963.8	5968.1
55°	6230.1	6200.2	6449.4	6639.8	6664.5	6558.5	6603.5	6601.3	6415.2	6191.6	6199.1
57.5°	6289.0	6284.7	6599.2	7002.5	7259.2	7272.1	7183.3	6956.5	6555.3	6254.7	6235.5
60°	6021.5	6048.3	6480.5	7191.8	7876.5	8161.0	7777.0	7129.8	6395.9	5978.8	5929.5
62.5°	5221.4	5292.0	5812.9	6960.8	8375.0	9183.7	8253.0	6866.6	5741.3	5196.8	5164.7
65°	3741.9	3865.0	4440.5	5940.2	8330.0	10082.3	8184.5	5892.1	4483.3	3855.3	3809.3
67.5°	1697.7	1822.8	2311.7	4067.1	7241.0	9838.4	7223.9	4109.9	2427.2	1829.2	1802.5
70°	615.1	636.5	793.7	1628.1	4627.7	7839.0	4825.6	1639.9	844.0	678.2	669.7
72.5°	372.3	375.5	408.6	583.0	1607.8	4759.3	1676.3	602.3	417.2	370.1	376.5
75°	236.4	234.3	291.0	356.2	570.2	1605.7	598.0	356.2	289.9	264.2	266.4
77.5°	170.1	175.4	208.6	266.4	359.4	544.5	353.0	254.6	208.6	171.2	174.4
80°	127.3	130.5	151.9	207.5	252.5	339.1	224.6	188.3	157.3	107.0	110.2
82.5°	92.0	92.0	99.5	150.8	154.0	182.9	121.9	132.6	103.8	76.0	76.0
85°	54.6	53.5	62.0	89.9	80.2	67.4	55.6	81.3	65.3	47.1	46.0
87.5°	19.3	20.3	19.3	25.7	21.4	18.2	17.1	22.5	18.2	16.0	15.0
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)