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: P1203830

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

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1203830
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-20)
Test Lab:	INNOVATION CENTER
Issue Date:	3/16/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB2D-827-U-5MQ
Description:	GALLEON WALL LUMINAIRE
	(2) 80 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	18528 lumens
Efficiency:	N/A
Efficacy:	125.5 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

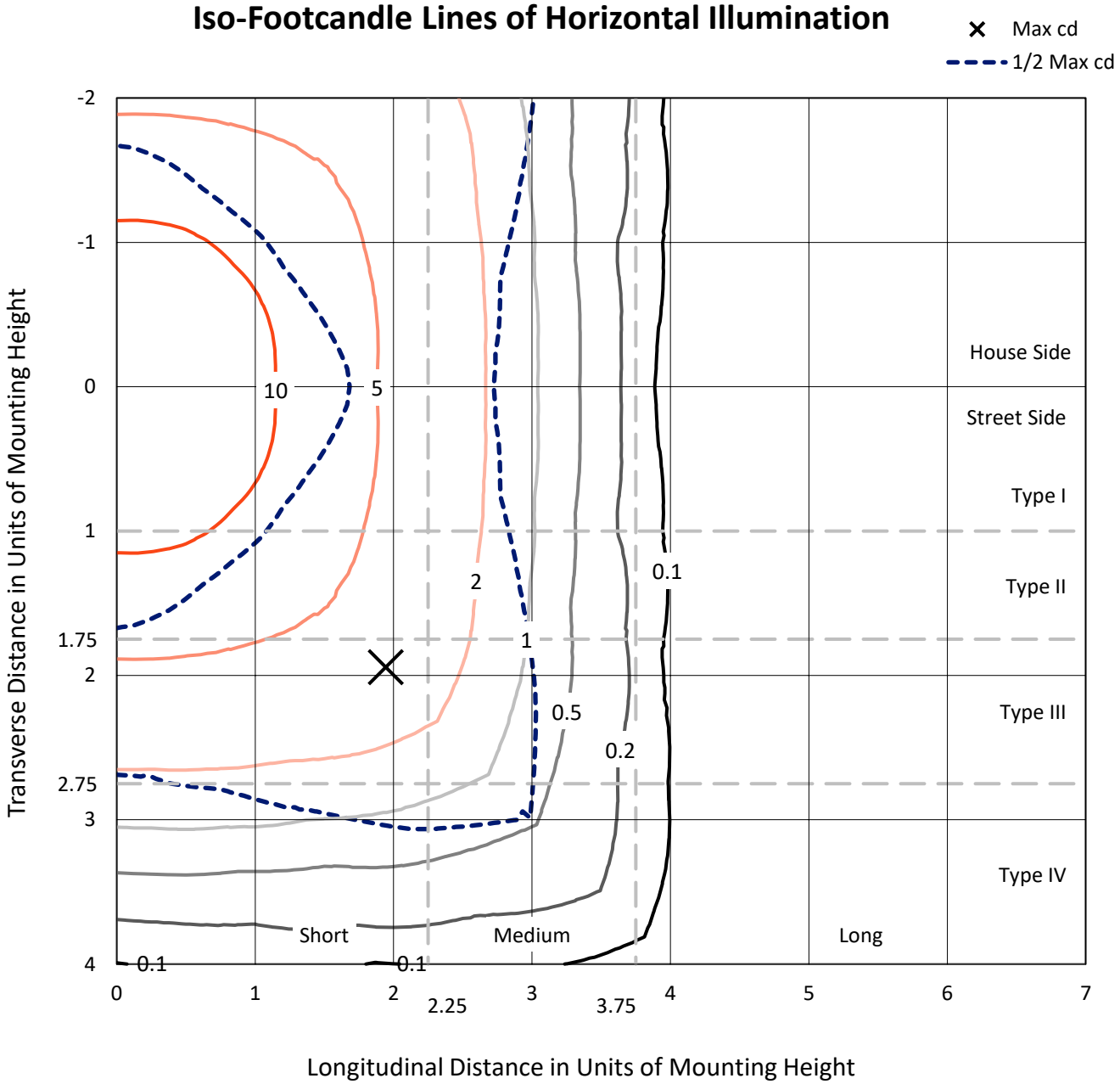


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Iso-Footcandle Lines of Horizontal Illumination



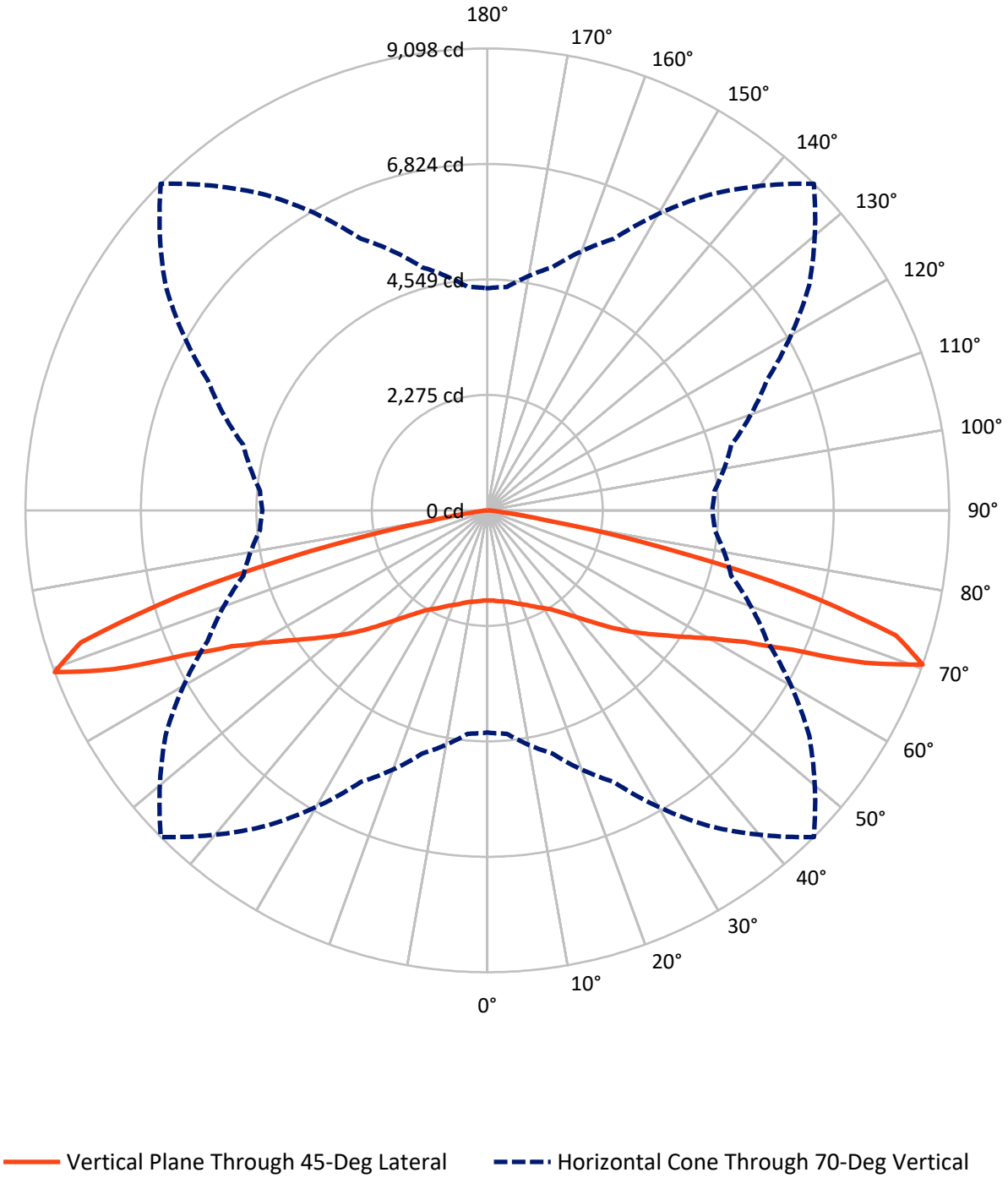
Based on 10 foot mounting height. Maximum calculated value = 17.7 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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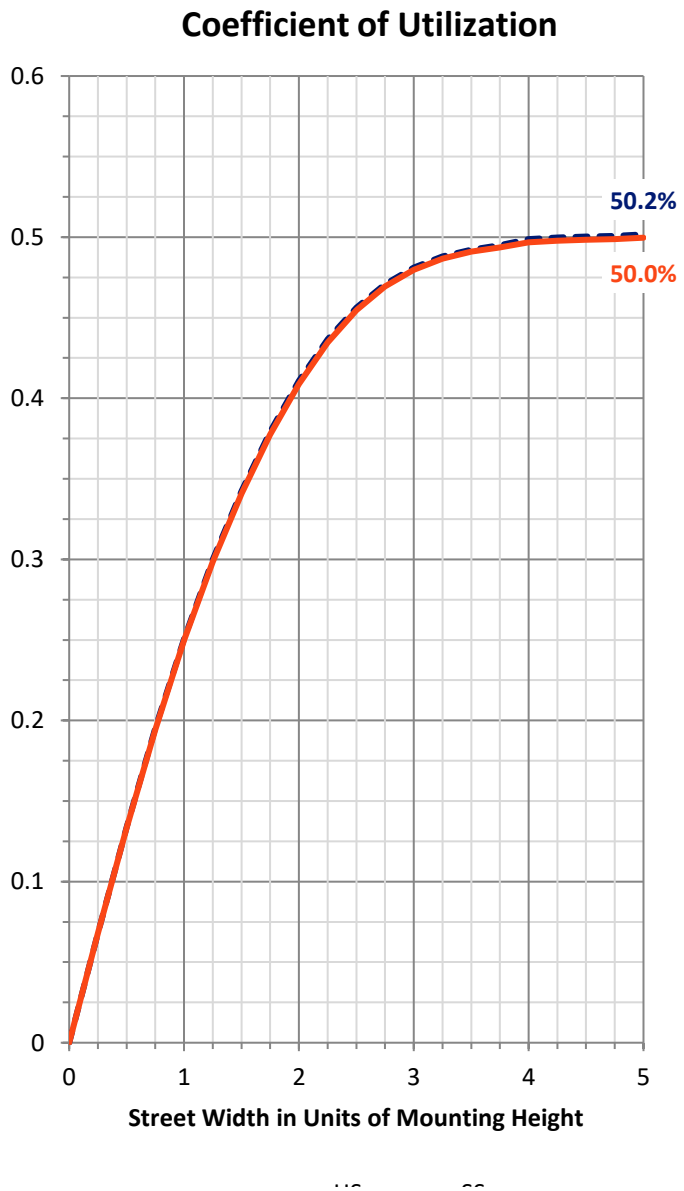
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9264.0	0.0	9264.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9264.0	0.0	9264.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	18528.0	0.0	18528.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	172.4	0.9
10°-20°	534.7	2.9
20°-30°	955.5	5.2
30°-40°	1548.8	8.4
40°-50°	2522.8	13.6
50°-60°	3846.4	20.8
60°-70°	5722.3	30.9
70°-80°	3118.8	16.8
80°-90°	106.2	0.6
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°	18528.0	100.0
0°-180°	18528.0	100.0



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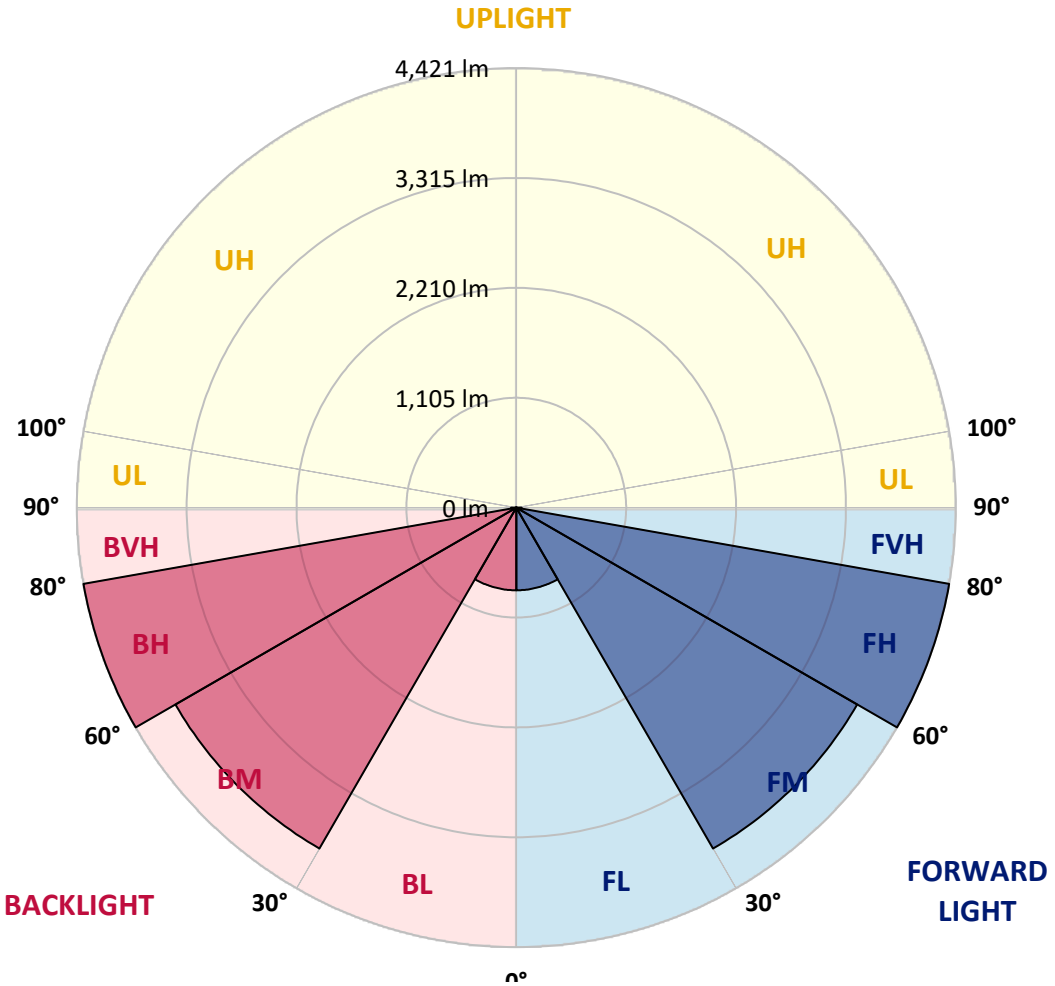
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	831.3	4.5			
FM	(30°-60°)	3959.1	21.4			
FH	(60°-80°)	4420.6	23.9			G2/5000
FVH	(80°-90°)	53.1	0.3			G1/100
BL	(0°-30°)	831.3	4.5	B2/1000		
BM	(30°-60°)	3959.1	21.4	B3/5000		
BH	(60°-80°)	4420.6	23.9	B4/5000		G2/5000
BVH	(80°-90°)	53.1	0.3			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°	1774.8	1774.8	1774.8	1774.8	1774.8	1774.8	1774.8	1774.8	1774.8	1774.8	1774.8
2.5°	1783.2	1785.0	1781.3	1779.4	1777.6	1774.8	1775.7	1780.4	1784.1	1783.2	1784.1
5°	1798.0	1799.9	1797.1	1796.2	1792.5	1791.5	1791.5	1796.2	1799.0	1797.1	1798.0
7.5°	1814.8	1817.6	1812.9	1812.0	1810.1	1808.3	1807.3	1812.0	1814.8	1814.8	1814.8
10°	1830.6	1833.4	1829.7	1826.9	1825.0	1825.0	1823.2	1826.9	1831.5	1830.6	1830.6
12.5°	1847.3	1849.2	1845.5	1843.6	1843.6	1846.4	1843.6	1845.5	1849.2	1847.3	1846.4
15°	1867.8	1868.7	1867.8	1870.6	1875.3	1884.6	1876.2	1874.3	1876.2	1871.5	1871.5
17.5°	1895.7	1897.6	1901.3	1907.8	1914.3	1931.1	1916.2	1911.5	1911.5	1902.2	1902.2
20°	1930.1	1932.9	1938.5	1949.7	1958.0	1973.8	1959.0	1952.5	1949.7	1937.6	1937.6
22.5°	1966.4	1971.1	1979.4	1994.3	2009.2	2024.1	2009.2	1998.0	1989.7	1973.8	1972.9
25°	2008.3	2013.8	2026.9	2051.1	2071.5	2092.9	2075.2	2052.9	2036.2	2013.8	2012.9
27.5°	2067.8	2074.3	2090.1	2119.9	2145.9	2164.5	2147.8	2119.0	2095.7	2068.7	2067.8
30°	2151.5	2158.0	2176.6	2208.3	2225.9	2238.0	2226.9	2204.5	2176.6	2145.9	2145.9
32.5°	2259.4	2267.8	2288.3	2318.0	2321.7	2323.6	2319.9	2308.7	2288.3	2251.0	2252.0
35°	2396.2	2405.5	2428.7	2452.9	2449.2	2452.9	2447.3	2443.6	2428.7	2385.9	2385.9
37.5°	2563.6	2574.7	2598.9	2617.5	2608.2	2603.6	2604.5	2605.4	2597.1	2549.6	2549.6
40°	2758.0	2772.9	2790.6	2810.1	2794.3	2780.3	2789.6	2797.1	2789.6	2741.3	2741.3
42.5°	2958.0	2979.4	2998.0	3025.9	3012.9	2995.2	3008.2	3016.6	3000.8	2948.7	2952.4
45°	3180.3	3200.8	3224.9	3266.8	3257.5	3238.9	3257.5	3259.4	3232.4	3171.0	3177.5
47.5°	3410.1	3431.4	3467.7	3523.5	3519.8	3499.4	3523.5	3510.5	3476.1	3402.6	3398.0
50°	3627.7	3657.5	3713.3	3791.4	3798.9	3773.8	3806.3	3781.2	3723.5	3631.4	3629.6
52.5°	3832.4	3864.0	3952.4	4058.4	4085.4	4052.8	4096.5	4052.8	3966.3	3848.2	3837.0
55°	4047.2	4082.6	4187.7	4326.3	4380.2	4356.1	4397.0	4330.9	4208.2	4064.9	4045.4
57.5°	4300.2	4321.6	4447.2	4611.9	4703.0	4708.6	4727.2	4615.6	4466.7	4304.0	4281.6
60°	4574.6	4604.4	4741.1	4938.3	5082.5	5129.0	5109.5	4943.9	4770.9	4583.9	4554.2
62.5°	4926.3	4958.8	5122.5	5358.8	5586.7	5702.0	5625.8	5385.8	5171.8	4947.6	4908.6
65°	5217.4	5253.7	5549.5	5970.8	6385.7	6617.3	6425.7	5983.9	5598.8	5282.5	5230.4
67.5°	5006.2	5050.9	5515.1	6289.0	7320.5	8011.7	7355.9	6383.9	5629.5	5200.7	5136.5
70°	4375.6	4417.4	4958.8	5904.8	7583.8	9098.1	7741.9	6078.8	4976.5	4496.5	4432.3
72.5°	2905.0	3039.8	3587.7	4722.5	6771.7	8419.1	6838.7	4626.7	3328.2	2898.5	2804.5
75°	963.7	1071.6	1445.5	2448.2	4535.6	6296.4	4317.9	2166.4	1145.1	824.1	779.5
77.5°	242.8	280.0	386.0	700.4	1809.2	3584.9	1628.8	572.1	311.6	217.7	194.4
80°	118.1	130.2	186.0	233.5	453.0	1139.5	425.1	219.5	147.0	113.5	104.2
82.5°	65.1	66.0	105.1	132.1	168.4	294.9	174.9	128.4	84.6	68.8	68.8
85°	40.0	39.1	55.8	70.7	70.7	105.1	83.7	70.7	48.4	42.8	44.6
87.5°	15.8	15.8	20.5	22.3	19.5	27.0	21.4	23.3	18.6	17.7	18.6
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)