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: P1203833

Luminaire Tested: GWC-SB2D-827-U-RW

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1203833
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)
Test Lab:	INNOVATION CENTER
Issue Date:	3/16/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB2D-827-U-RW
Description:	GALLEON WALL LUMINAIRE
	(2) 80 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR WIDE OP
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	18218 lumens
Efficiency:	N/A
Efficacy:	123.4 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B4 - U0 - G4

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

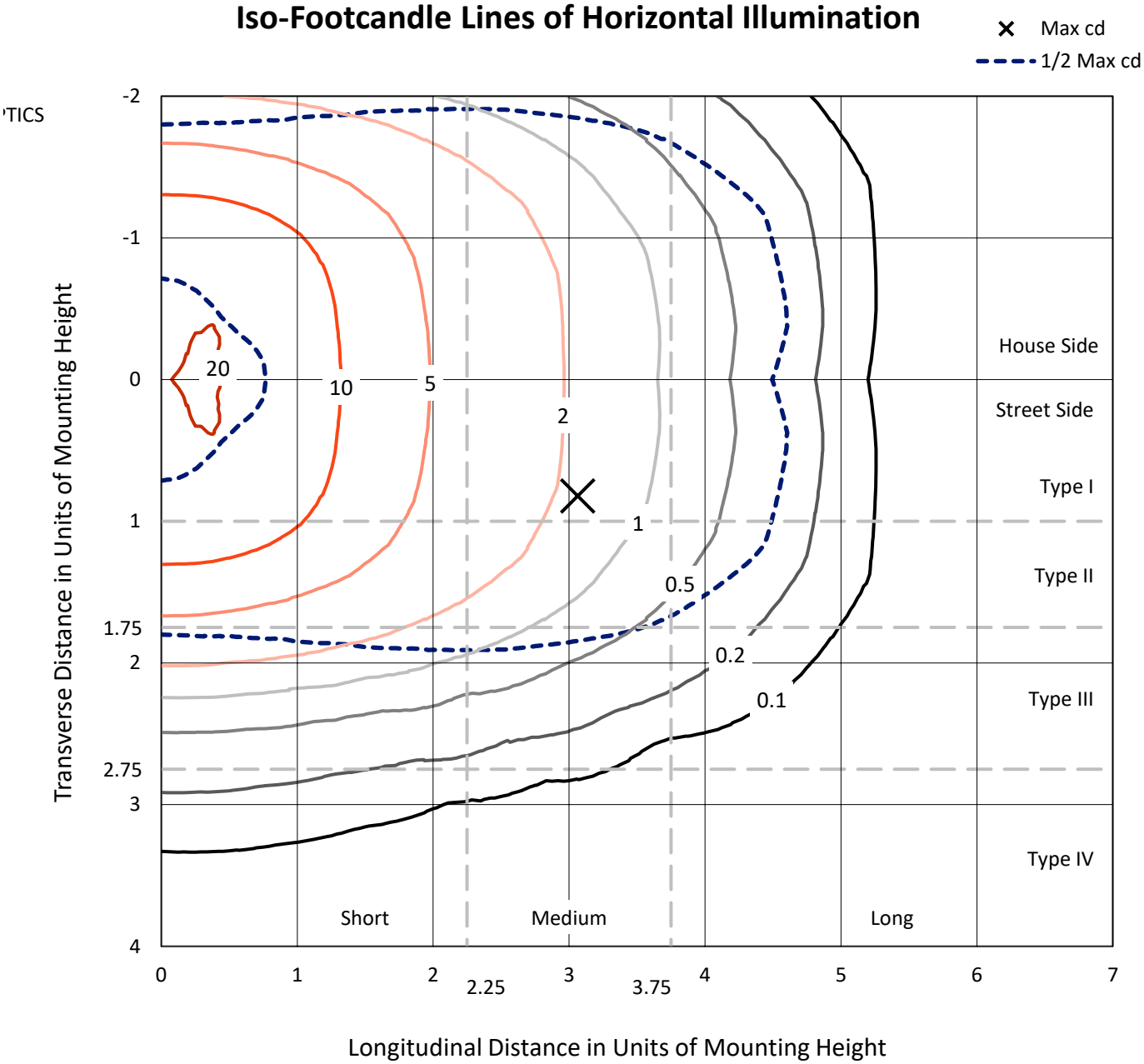


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Iso-Footcandle Lines of Horizontal Illumination



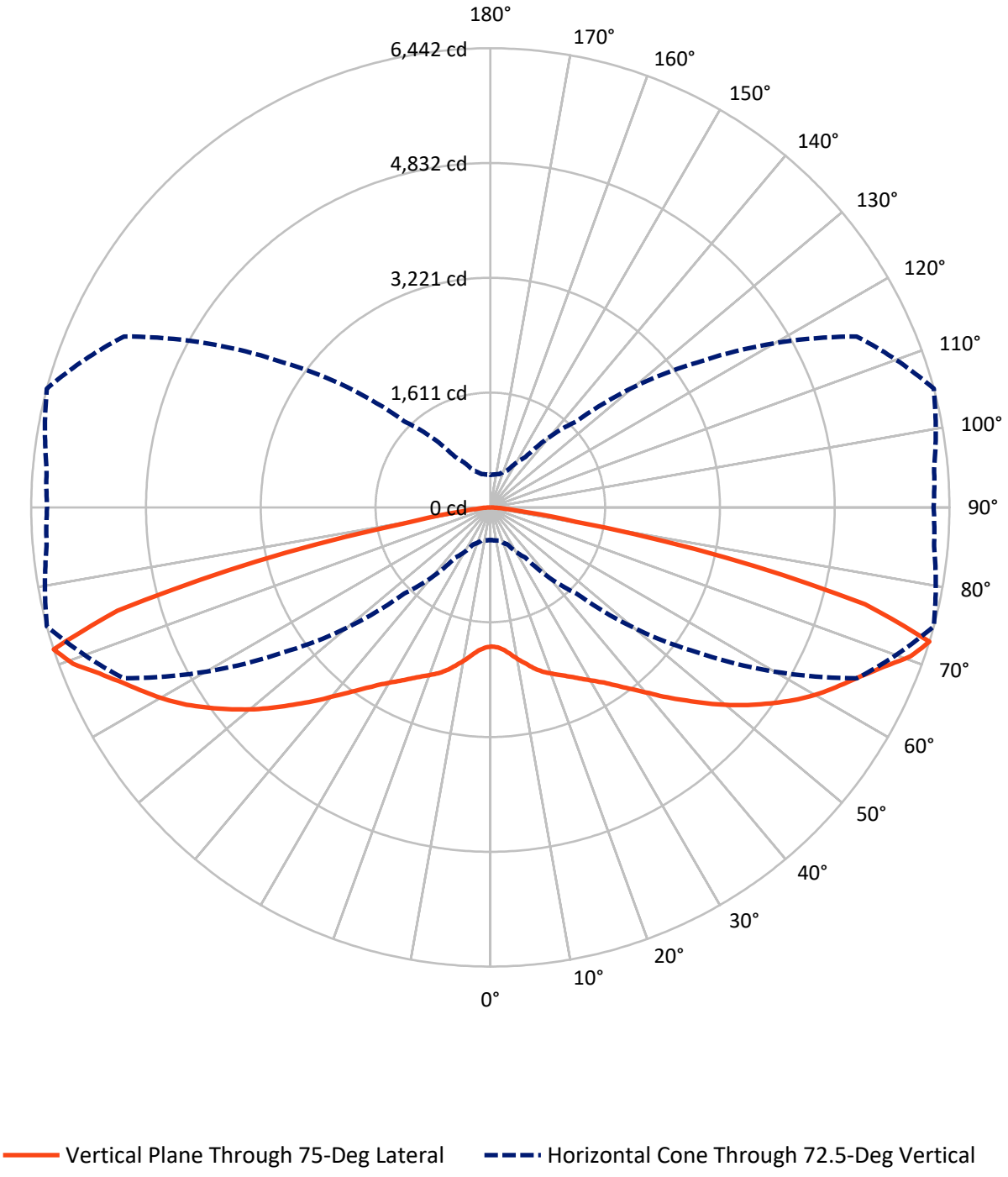
Based on 10 foot mounting height. Maximum calculated value = 21.4 fc
Type III - Medium - N/A

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Luminous Intensity Polar Plot



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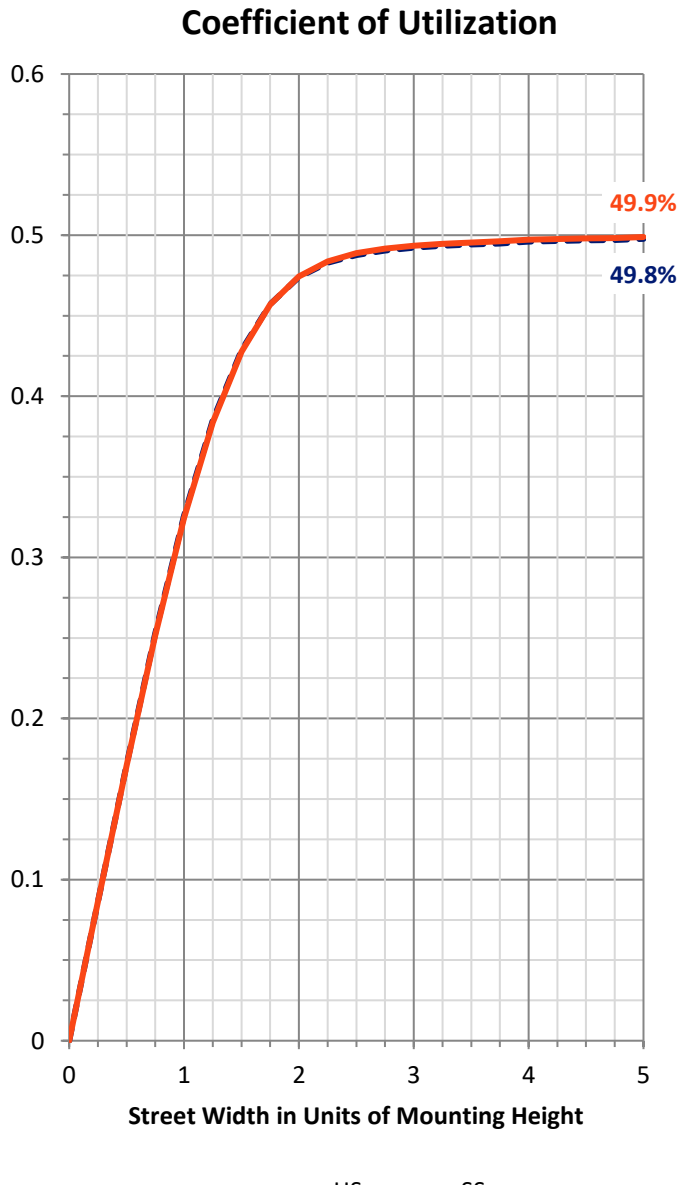
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9109.0	0.0	9109.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9109.0	0.0	9109.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	18218.0	0.0	18218.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.2	1.0
10°-20°	630.5	3.5
20°-30°	1218.3	6.7
30°-40°	2057.2	11.3
40°-50°	3262.5	17.9
50°-60°	4368.0	24.0
60°-70°	4157.0	22.8
70°-80°	2169.2	11.9
80°-90°	164.2	0.9
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°	18218.0	100.0
0°-180°	18218.0	100.0



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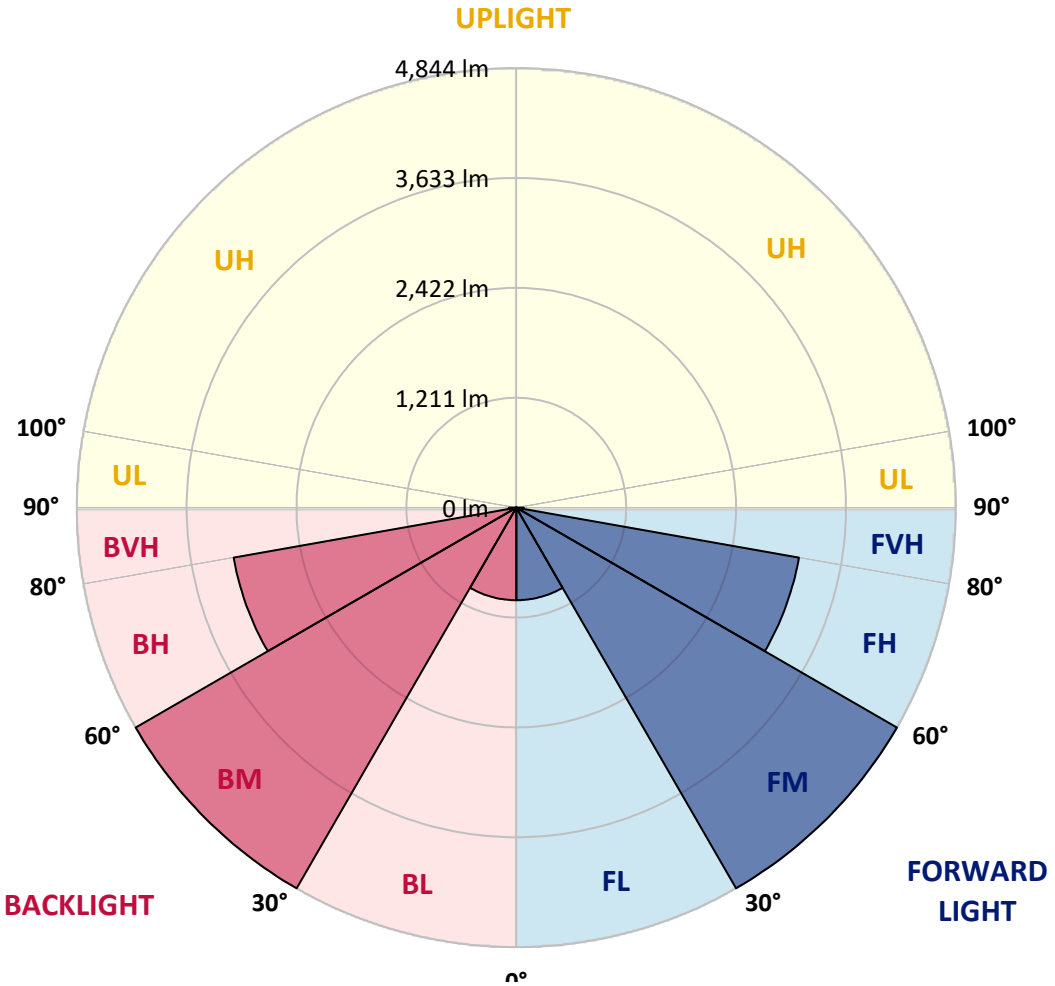
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1020.0	5.6			
FM	(30°-60°)	4843.8	26.6			
FH	(60°-80°)	3163.1	17.4			G2/5000
FVH	(80°-90°)	82.1	0.5			G1/100
BL	(0°-30°)	1020.0	5.6	B3/2500		
BM	(30°-60°)	4843.8	26.6	B3/5000		
BH	(60°-80°)	3163.1	17.4	B4/5000		G4/5000
BVH	(80°-90°)	82.1	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4
Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1951.5	1951.5	1951.5	1951.5	1951.5	1951.5	1951.5	1951.5	*1951.5*	1951.5	1951.5
2.5°	1951.5	1949.6	1951.5	1953.3	1952.4	1952.4	1957.1	1959.8	*1965.4*	1964.5	1963.6
5°	1938.5	1937.5	1945.0	1953.3	1959.8	1971.0	1985.0	1995.2	*2008.2*	2011.0	2011.0
7.5°	1931.9	1929.2	1942.2	1957.1	1977.5	2005.4	2032.4	2060.3	*2082.6*	2090.1	2091.9
10°	1936.6	1937.5	1955.2	1983.1	2015.7	2054.7	2092.9	2140.3	*2171.9*	2179.4	2186.8
12.5°	1958.0	1956.1	1985.9	2030.5	2075.2	2124.5	2169.1	2221.2	*2255.6*	2273.3	2280.8
15°	1997.1	1993.3	2035.2	2101.2	2166.3	2224.0	2260.3	2309.6	*2349.6*	2371.9	2380.3
17.5°	2043.6	2045.4	2100.3	2185.9	2271.4	2336.6	2371.0	2396.1	*2426.8*	2446.3	2455.6
20°	2125.4	2129.1	2190.5	2291.9	2389.6	2464.0	2491.9	2482.6	*2491.0*	2505.8	2517.0
22.5°	2235.2	2237.0	2305.9	2415.6	2517.9	2599.8	2618.4	2580.3	*2557.0*	2567.2	2574.7
25°	2362.6	2374.7	2443.5	2556.1	2661.2	2739.3	2747.7	2690.0	*2632.4*	2635.1	2639.8
27.5°	2517.9	2529.1	2598.9	2710.5	2817.5	2885.4	2884.4	2807.2	*2722.6*	2701.2	2707.7
30°	2686.3	2698.4	2770.0	2885.4	2984.9	3044.4	3031.4	2939.3	*2818.4*	2778.4	2783.0
32.5°	2886.3	2893.7	2966.3	3081.6	3173.7	3221.1	3194.2	3080.7	*2930.0*	2884.4	2895.6
35°	3128.1	3139.3	3193.2	3302.1	3383.0	3422.1	3376.5	3242.5	*3073.2*	3022.1	3029.5
37.5°	3404.4	3396.9	3458.3	3555.1	3622.0	3646.2	3583.9	3424.8	*3237.0*	3176.5	3187.7
40°	3692.7	3689.0	3756.0	3849.0	3885.3	3900.2	3808.1	3634.1	*3425.8*	3360.7	3382.1
42.5°	3954.1	3951.3	4041.5	4144.8	4188.5	4171.8	4055.5	3856.4	*3644.4*	3570.0	3588.6
45°	4163.4	4159.7	4270.4	4415.5	4501.0	4473.1	4316.9	4102.0	*3865.7*	3788.5	3806.2
47.5°	4324.3	4326.2	4445.2	4624.8	4774.5	4784.7	4583.8	4352.2	*4109.4*	4022.0	4048.1
50°	4440.6	4446.2	4573.6	4772.6	4977.3	5067.5	4856.4	4608.9	*4361.5*	4262.9	4292.7
52.5°	4469.4	4479.6	4633.1	4866.6	5107.5	5279.6	5133.5	4855.4	*4600.6*	4506.6	4530.8
55°	4315.9	4336.4	4530.8	4859.2	5187.5	5419.1	5377.3	5105.6	*4841.5*	4744.7	4771.7
57.5°	3963.4	3992.2	4219.2	4648.0	5169.8	5514.9	5566.1	5345.6	*5082.4*	4989.4	5010.8
60°	3469.5	3503.9	3721.6	4189.4	4920.5	5550.3	5699.1	5579.1	*5303.8*	5213.5	5233.1
62.5°	2724.4	2769.1	3029.5	3578.3	4394.1	5385.6	5812.6	5790.2	*5502.8*	5390.3	5403.3
65°	1747.8	1795.2	2069.6	2717.9	3691.8	4881.5	5847.9	5995.8	*5713.0*	5555.8	5575.4
67.5°	1053.9	1075.3	1211.1	1647.3	2698.4	4121.5	5548.4	6223.7	*5958.6*	5763.3	5778.1
70°	674.4	686.5	767.4	967.4	1525.5	3007.2	4806.1	6266.5	*6256.3*	5976.3	5974.4
72.5°	*457.6*	*461.4*	*482.8*	*573.0*	*863.2*	*1708.7*	*3544.8*	*5673.0*	*6442.3*	*6250.7*	*6220.9*
75°	334.9	355.3	389.7	405.5	490.2	853.9	2031.5	3985.7	*5429.3*	5513.1	5310.3
77.5°	249.3	250.2	297.7	316.3	349.7	454.8	859.5	2224.9	*3370.9*	3539.3	3157.0
80°	211.1	200.0	199.1	254.9	263.2	283.7	384.2	768.3	*1207.3*	732.0	553.4
82.5°	175.8	163.7	147.9	199.1	179.5	173.9	166.5	312.5	*384.2*	188.8	160.9
85°	122.8	117.2	111.6	130.2	102.3	87.4	80.0	146.0	*161.8*	80.0	70.7
87.5°	53.0	54.9	55.8	57.7	42.8	30.7	30.7	40.9	*40.9*	31.6	23.3
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)