

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: STREETWORKS

Report Number: P851133

Luminaire Tested: **GLAN-SB9A-722-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P851133  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB9A-722-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 31671 lumens  
Efficiency: N/A  
Efficacy: 124.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B4 - U0 - G5

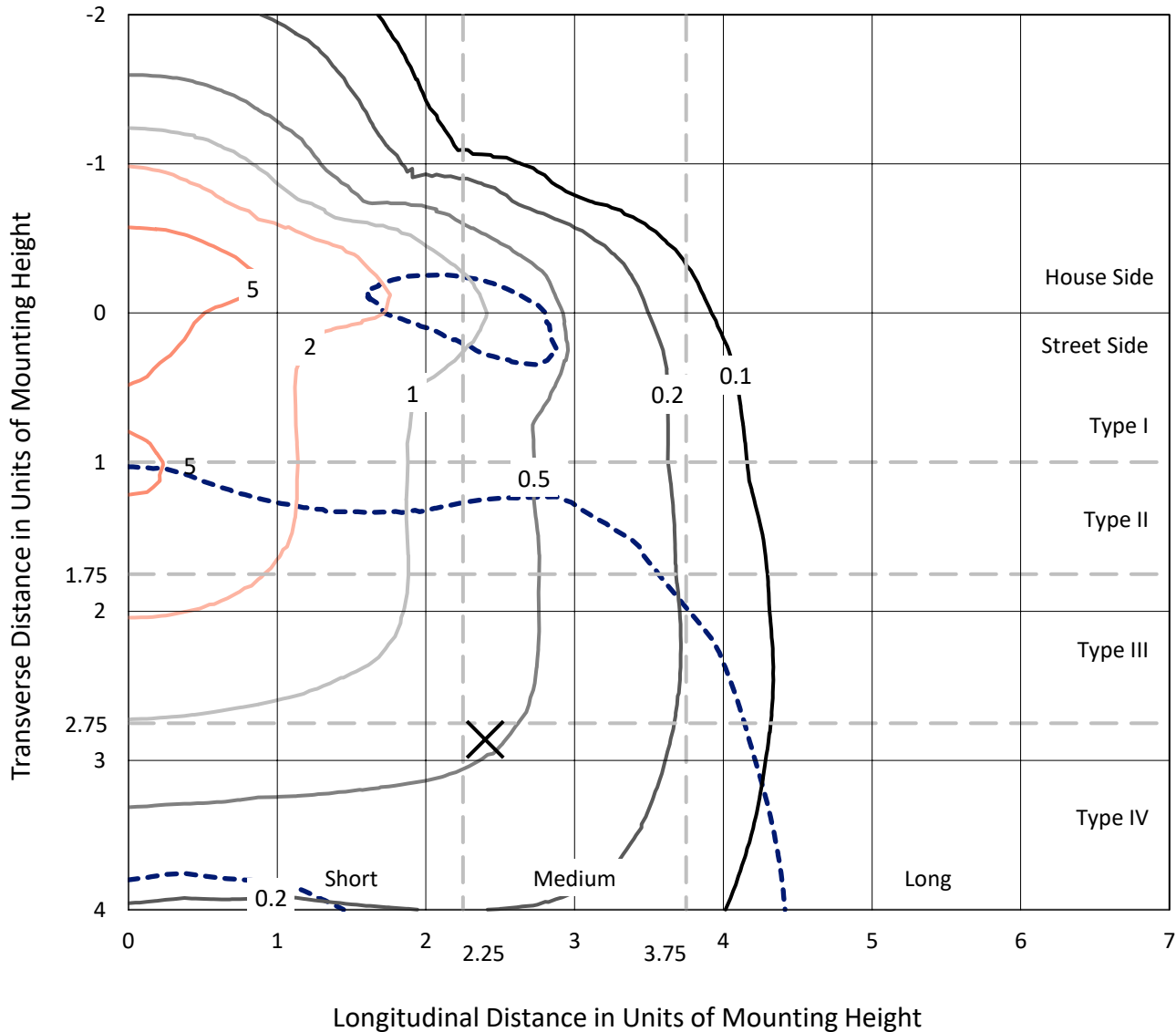
Input Watts (W): 255.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

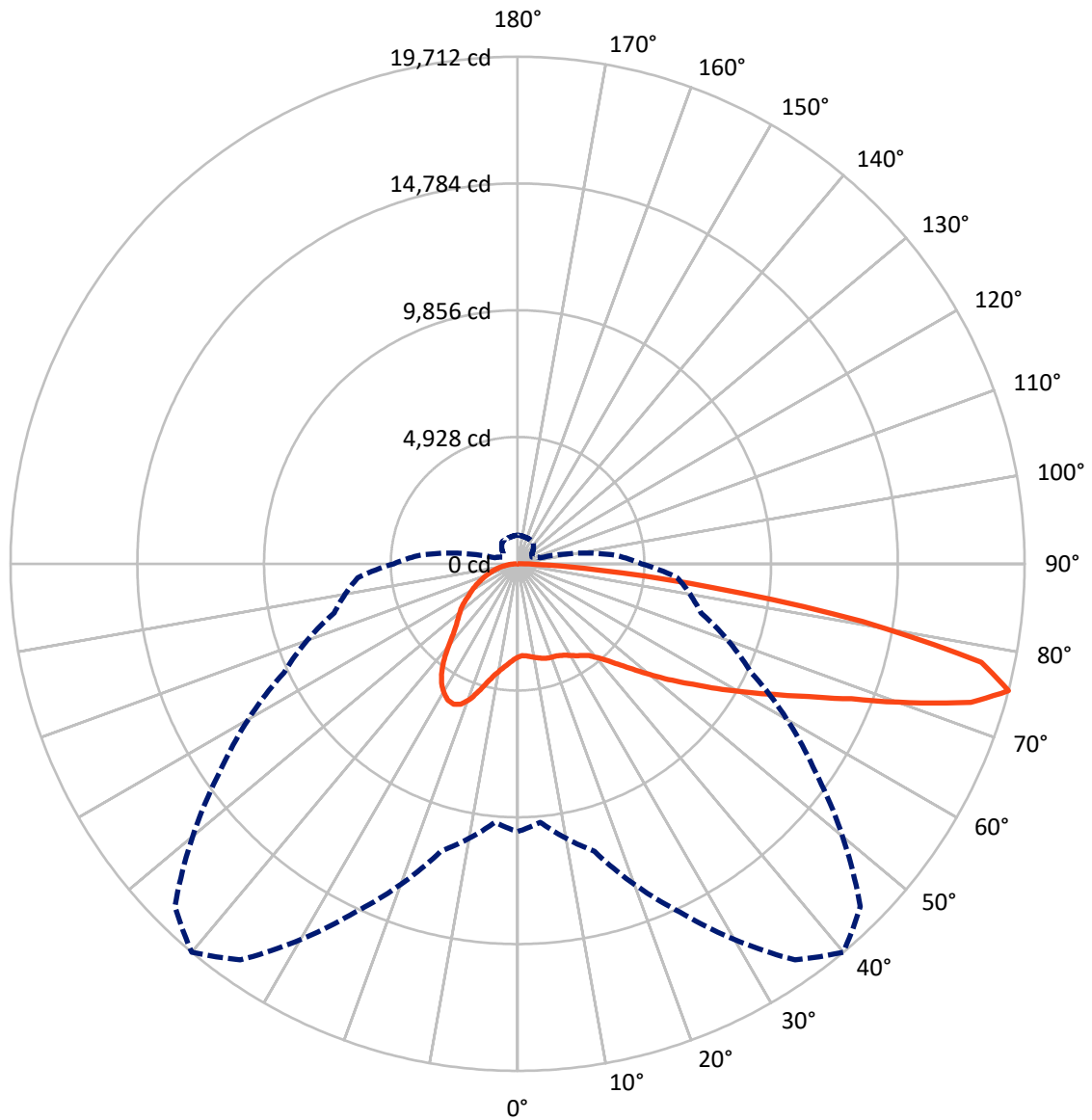
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral      - - - Horizontal Cone Through 75-Deg Vertical

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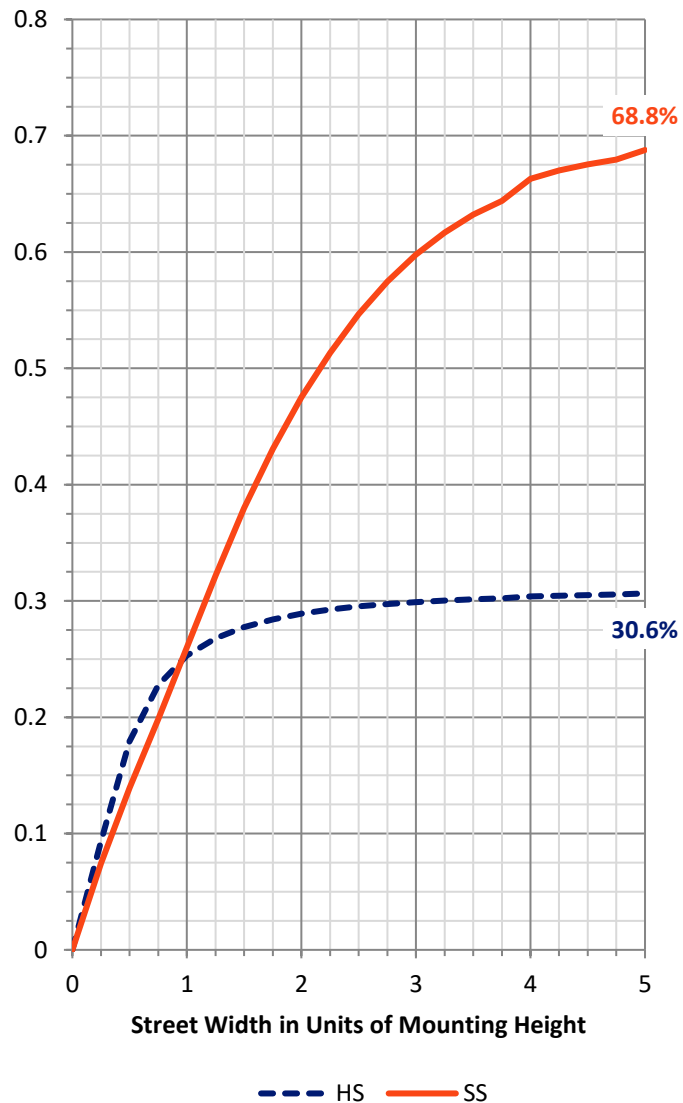
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9812.7	0.0	9812.7
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	21858.3	0.0	21858.3
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	31671.0	0.0	31671.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	361.5	1.1
10°-20°	1213.7	3.8
20°-30°	2216.2	7.0
30°-40°	3143.2	9.9
40°-50°	4244.2	13.4
50°-60°	5709.6	18.0
60°-70°	7246.8	22.9
70°-80°	6576.9	20.8
80°-90°	958.7	3.0
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°	31671.0	100.0
0°-180°	31671.0	100.0

**Coefficient of Utilization**

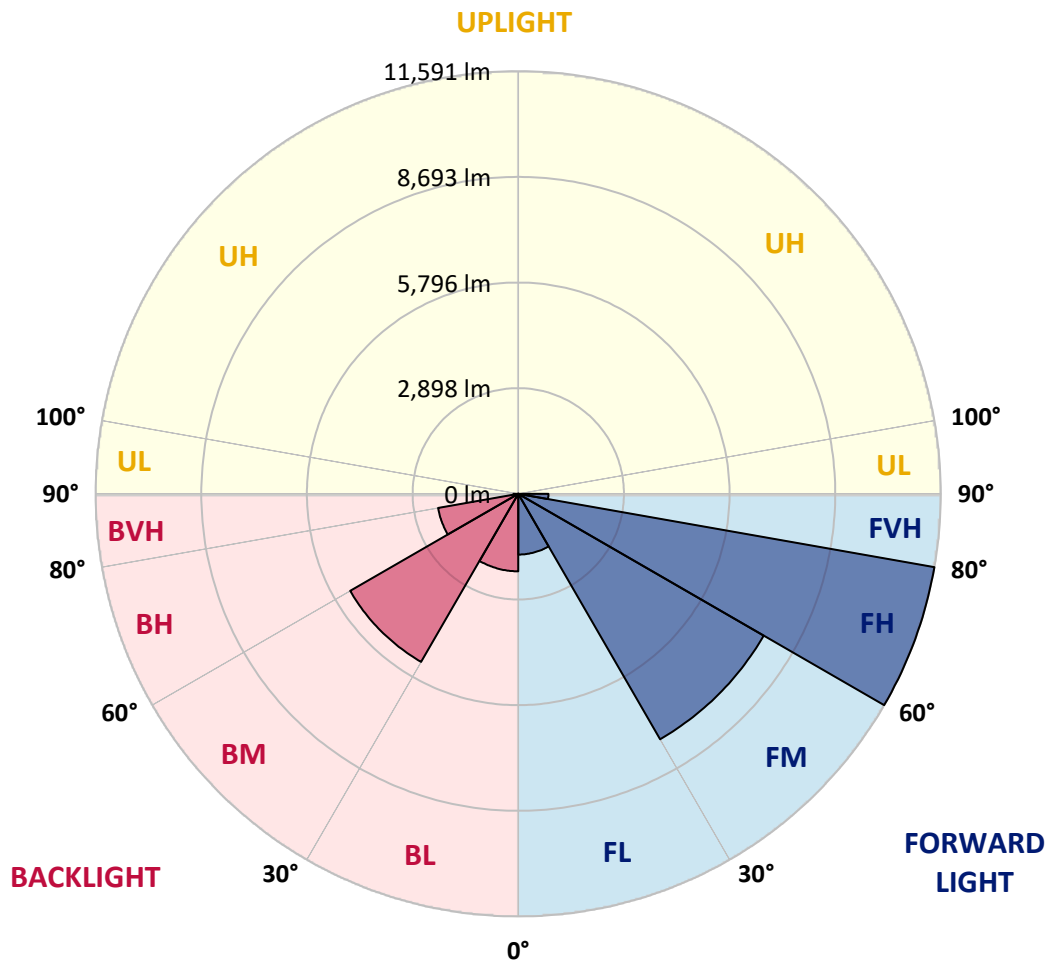


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1665.9	5.3			
FM	(30°-60°)	7774.5	24.5			
FH	(60°-80°)	11591.1	36.6			G4/12000
FVH	(80°-90°)	826.7	2.6			G5
BL	(0°-30°)	2125.5	6.7	B3/2500		
BM	(30°-60°)	5322.5	16.8	B4/8500		
BH	(60°-80°)	2232.7	7.0	B3/2500		G3/2500
BVH	(80°-90°)	132.0	0.4			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G5**  
 Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	3621.6	3621.6	3621.6	3621.6	3621.6	3621.6	3621.6	3621.6	3621.6	3621.6
2.5°	3566.2	3586.3	3581.3	3574.6	3574.6	3576.3	3574.6	3586.3	3598.1	3609.9
5°	3603.1	3623.3	3613.2	3604.8	3598.1	3596.4	3591.4	3589.7	3596.4	3611.5
7.5°	3675.4	3695.5	3680.4	3665.3	3651.9	3645.1	3638.4	3628.3	3623.3	3631.7
10°	3756.0	3776.2	3757.7	3730.8	3709.0	3700.6	3693.9	3683.8	3677.1	3682.1
12.5°	3836.6	3856.8	3831.6	3794.6	3766.1	3761.0	3752.6	3749.3	3747.6	3745.9
15°	3912.2	3929.0	3897.1	3853.4	3823.2	3814.8	3806.4	3811.4	3819.8	3829.9
17.5°	3971.0	3987.8	3940.8	3883.7	3855.1	3851.8	3846.7	3863.5	3887.0	3912.2
20°	4024.8	4041.6	3981.1	3903.8	3870.2	3870.2	3871.9	3907.2	3940.8	3977.7
22.5°	4100.4	4113.8	4039.9	3934.1	3885.3	3888.7	3902.1	3937.4	3979.4	4029.8
25°	4212.9	4223.0	4132.3	3991.2	3935.7	3945.8	3957.6	3974.4	4014.7	4073.5
27.5°	4394.3	4402.7	4283.5	4092.0	4008.0	4024.8	4041.6	4029.8	4048.3	4098.7
30°	4649.7	4654.7	4503.5	4249.9	4130.6	4139.0	4142.4	4093.6	4058.4	4098.7
32.5°	4952.0	4950.3	4770.6	4441.4	4270.0	4261.6	4233.1	4137.3	4055.0	4090.3
35°	5420.7	5402.2	5170.4	4710.1	4427.9	4375.8	4308.7	4186.0	4071.8	4081.9
37.5°	6196.7	6139.6	5818.8	5150.2	4663.1	4530.4	4431.3	4265.0	4108.8	4078.5
40°	7071.9	6999.7	6646.9	5753.3	5015.8	4802.5	4642.9	4377.5	4169.2	4093.6
42.5°	8110.0	8007.5	7627.9	6463.8	5462.7	5153.6	4913.4	4520.3	4258.3	4142.4
45°	9385.0	9248.9	8711.4	7265.1	6025.4	5613.8	5293.0	4737.0	4394.3	4236.4
47.5°	10673.4	10707.0	9942.7	8182.2	6700.7	6181.6	5768.4	5062.9	4592.5	4387.6
50°	12042.4	12065.9	11167.2	9198.5	7466.7	6823.3	6302.6	5427.4	4868.0	4602.6
52.5°	13110.7	13114.1	12279.2	10261.8	8264.6	7528.8	6878.7	5844.0	5187.2	4888.2
55°	13779.3	13770.9	13058.7	11268.0	9181.7	8269.6	7517.0	6317.7	5576.9	5224.1
57.5°	14264.8	14239.6	13596.2	12133.1	10159.4	9144.8	8239.4	6855.2	6037.2	5623.9
60°	14449.5	14434.4	13960.7	12880.6	11187.4	10112.3	9072.5	7456.6	6559.6	6095.9
62.5°	14520.1	14548.6	14318.5	13604.6	12287.6	11184.0	9988.0	8175.5	7147.5	6630.1
65°	14768.7	14820.8	14773.7	14552.0	13530.7	12438.8	11202.5	9030.5	7789.2	7202.9
67.5°	15260.9	15312.9	15333.1	15685.9	15049.2	14002.7	12717.7	10095.5	8540.0	7797.6
70°	15249.1	15234.0	15590.1	16587.9	16950.7	16168.0	14760.3	11405.8	9435.4	8291.4
72.5°	13880.1	13759.1	14600.7	16577.8	18533.1	18428.9	17254.8	13095.6	10208.1	8351.9
75°	10413.0	10090.5	11577.1	14940.0	18796.8	19712.3	18840.5	14143.8	10025.0	7379.3
77.5°	4453.1	4128.9	5880.9	11059.7	16823.1	18427.3	17385.8	12339.7	8002.5	4879.8
80°	1165.8	1164.1	1777.2	5014.2	11441.0	13608.0	11938.2	7968.9	4572.4	1743.6
82.5°	482.1	470.3	653.4	1950.2	5590.3	7636.3	6232.0	3554.4	1651.2	472.0
85°	179.7	178.1	317.5	673.6	1972.1	3149.6	2279.5	908.8	411.5	230.1
87.5°	50.4	48.7	68.9	233.5	480.4	729.0	389.7	149.5	115.9	90.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3621.6	0°	3621.6	3621.6	3621.6	3621.6	3621.6	3621.6	3621.6	3621.6	3621.6	3621.6
3628.3	2.5°	3633.4	3641.8	3656.9	3668.7	3683.8	3700.6	3724.1	3739.2	3754.3	3764.4
3636.7	5°	3648.5	3667.0	3705.6	3744.2	3789.6	3831.6	3880.3	3915.6	3944.1	3952.5
3667.0	7.5°	3682.1	3712.3	3777.8	3843.4	3915.6	3984.5	4055.0	4115.5	4164.2	4182.7
3720.7	10°	3740.9	3781.2	3873.6	3966.0	4061.7	4167.6	4258.3	4345.6	4414.5	4443.0
3784.6	12.5°	3814.8	3865.2	3986.1	4113.8	4246.5	4392.6	4510.2	4617.7	4703.4	4742.0
3873.6	15°	3910.5	3976.1	4130.6	4301.9	4496.8	4700.0	4849.5	4968.8	5064.6	5111.6
3966.0	17.5°	4014.7	4102.0	4296.9	4555.6	4834.4	5101.5	5276.2	5363.6	5462.7	5508.0
4051.6	20°	4115.5	4223.0	4501.8	4878.1	5249.3	5533.2	5674.3	5697.8	5704.6	5709.6
4132.3	22.5°	4219.6	4364.1	4758.8	5284.6	5682.7	5879.3	5899.4	5798.6	5657.5	5592.0
4211.2	25°	4333.9	4525.3	5094.8	5733.1	6055.6	6079.1	5924.6	5679.4	5412.3	5289.6
4275.1	27.5°	4444.7	4711.8	5497.9	6161.5	6324.4	6117.8	5785.2	5437.5	5115.0	4985.6
4320.4	30°	4555.6	4925.1	5943.1	6536.1	6447.0	6022.0	5565.1	5177.1	4852.9	4716.8
4360.7	32.5°	4668.1	5173.7	6455.4	6806.5	6425.2	5818.8	5291.3	4884.8	4599.3	4456.5
4396.0	35°	4795.8	5479.5	6940.9	6954.3	6279.0	5519.8	4930.2	4535.4	4286.8	4172.6
4438.0	37.5°	4962.1	5867.5	7369.2	6991.3	6023.7	5081.4	4481.7	4122.2	3917.3	3865.2
4500.1	40°	5168.7	6334.5	7696.8	6932.5	5645.8	4548.9	3991.2	3703.9	3588.0	3599.8
4584.1	42.5°	5437.5	6856.9	7926.9	6781.3	5120.0	3999.6	3561.1	3433.5	3488.9	3536.0
4710.1	45°	5786.9	7399.5	8069.7	6524.3	4525.3	3534.3	3307.5	3337.7	3379.7	3384.8
4913.4	47.5°	6233.7	7948.8	8163.8	6136.3	3918.9	3206.7	3146.2	3153.0	3144.6	3109.3
5217.4	50°	6791.4	8482.9	8247.8	5622.2	3403.2	3001.8	2921.1	2897.6	2781.7	2667.5
5622.2	52.5°	7426.3	8973.4	8283.0	4983.9	3001.8	2830.4	2699.4	2551.6	2334.9	2299.6
6131.2	55°	8131.8	9427.0	8192.3	4199.5	2664.1	2610.4	2412.2	2234.1	2210.6	2180.4
6801.5	57.5°	8975.1	9915.8	8007.5	3324.3	2318.1	2353.4	2160.2	2180.4	2138.4	2091.3
7663.2	60°	9897.3	10421.4	7683.3	2526.4	1960.3	2032.5	2094.7	2093.0	2081.3	2042.6
8572.0	62.5°	10727.1	10754.0	7045.0	1935.1	1646.2	1783.9	1953.6	1951.9	1941.8	1920.0
9521.0	65°	11221.0	10703.6	5980.0	1523.6	1387.5	1579.0	1762.1	1775.5	1777.2	1775.5
10234.9	67.5°	11133.6	10114.0	4518.6	1212.8	1174.2	1370.7	1572.3	1590.8	1604.2	1607.6
10325.7	70°	10145.9	8818.9	2946.3	967.6	984.4	1187.6	1392.5	1411.0	1422.8	1436.2
8960.0	72.5°	7908.4	6484.0	1686.5	782.8	818.1	1029.7	1214.5	1236.3	1243.0	1268.2
6235.4	75°	4819.3	3813.1	910.4	616.5	671.9	880.2	1038.1	1063.3	1075.1	1105.3
3062.3	77.5°	2291.2	1651.2	519.1	480.4	540.9	718.9	876.8	905.4	873.5	890.3
844.9	80°	774.4	613.1	327.6	366.2	413.2	561.0	702.2	730.7	663.5	660.2
280.5	82.5°	270.4	248.6	208.3	243.6	267.1	401.5	530.8	567.8	493.9	492.2
126.0	85°	105.8	100.8	115.9	132.7	159.6	246.9	349.4	367.9	304.0	245.2
37.0	87.5°	21.8	23.5	28.6	30.2	48.7	85.7	126.0	154.5	122.6	104.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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180°
3621.6
3757.7
3955.9
4184.3
4444.7
4742.0
5108.2
5506.3
5723.0
5610.5
5308.1
5000.7
4732.0
4475.0
4197.8
3902.1
3640.1
3579.6
3418.4
3136.2
2682.6
2311.4
2185.4
2082.9
2029.2
1911.6
1775.5
1610.9
1442.9
1278.3
1108.7
876.8
653.4
468.7
241.9
95.7
0.0

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