

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: P848853

Luminaire Tested: **GLAN-SB5C-840-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848853
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-SB5C-840-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33349 lumens
Efficiency: N/A
Efficacy: 133.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B4 - U0 - G5

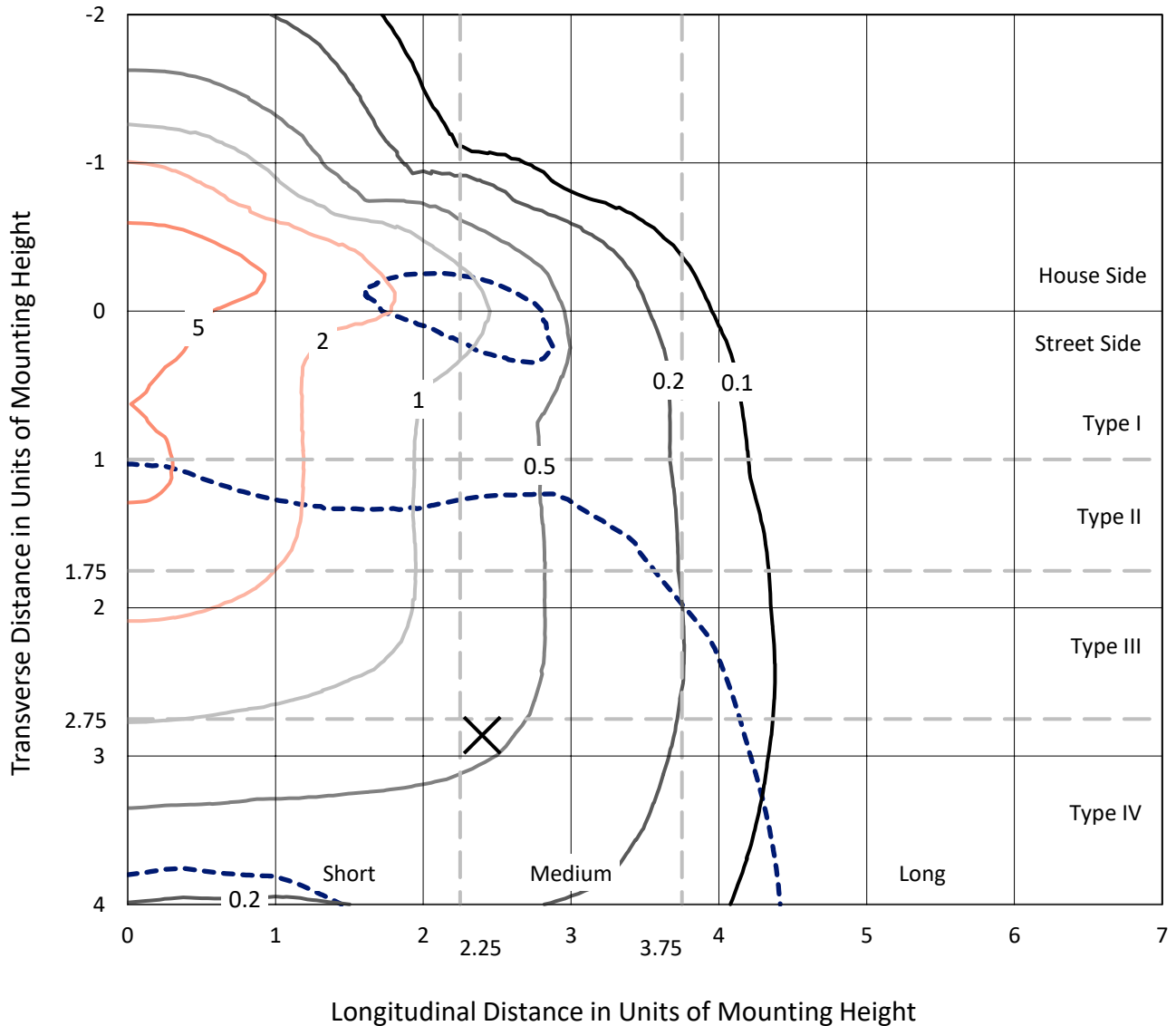
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

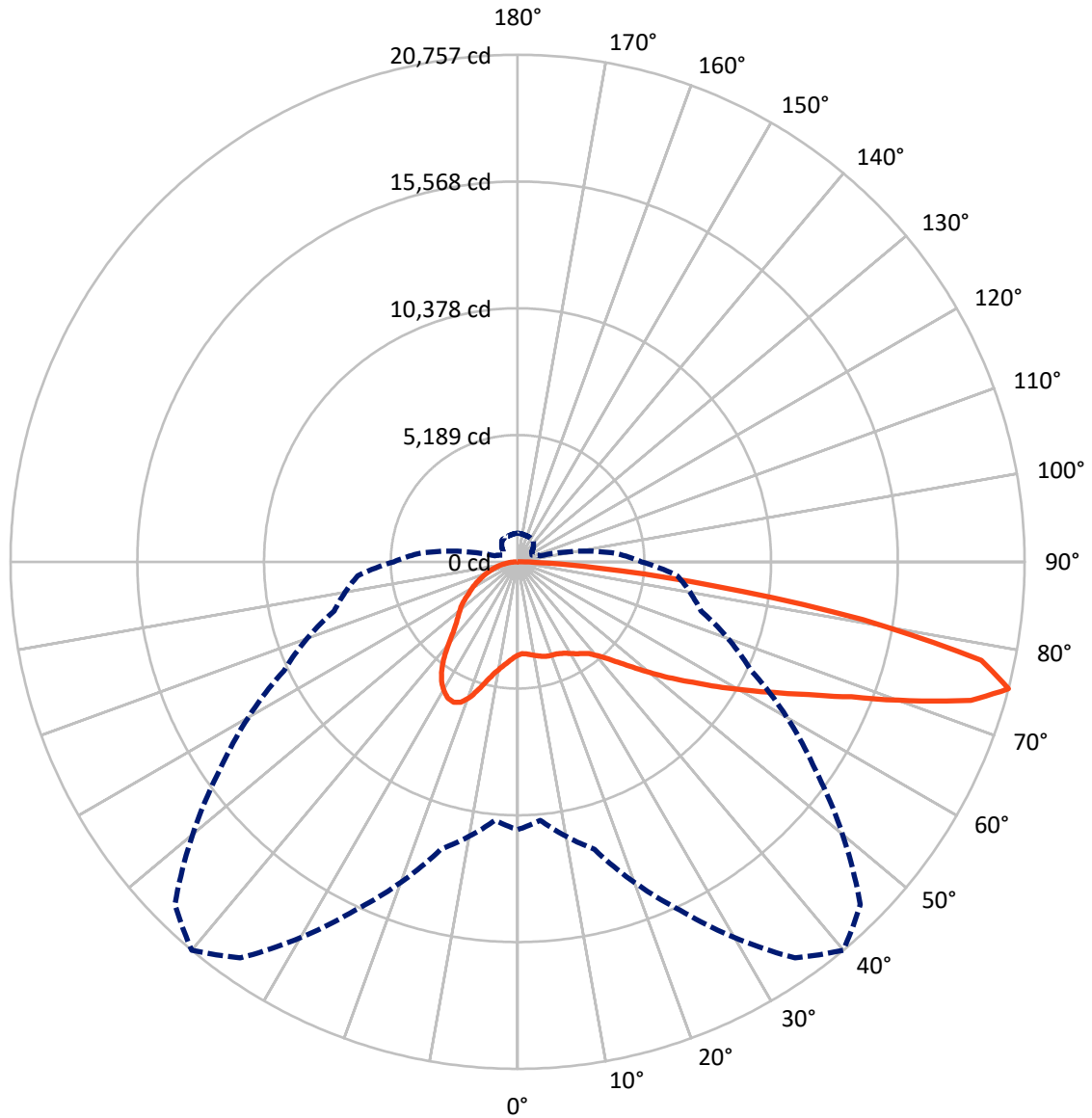
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.9 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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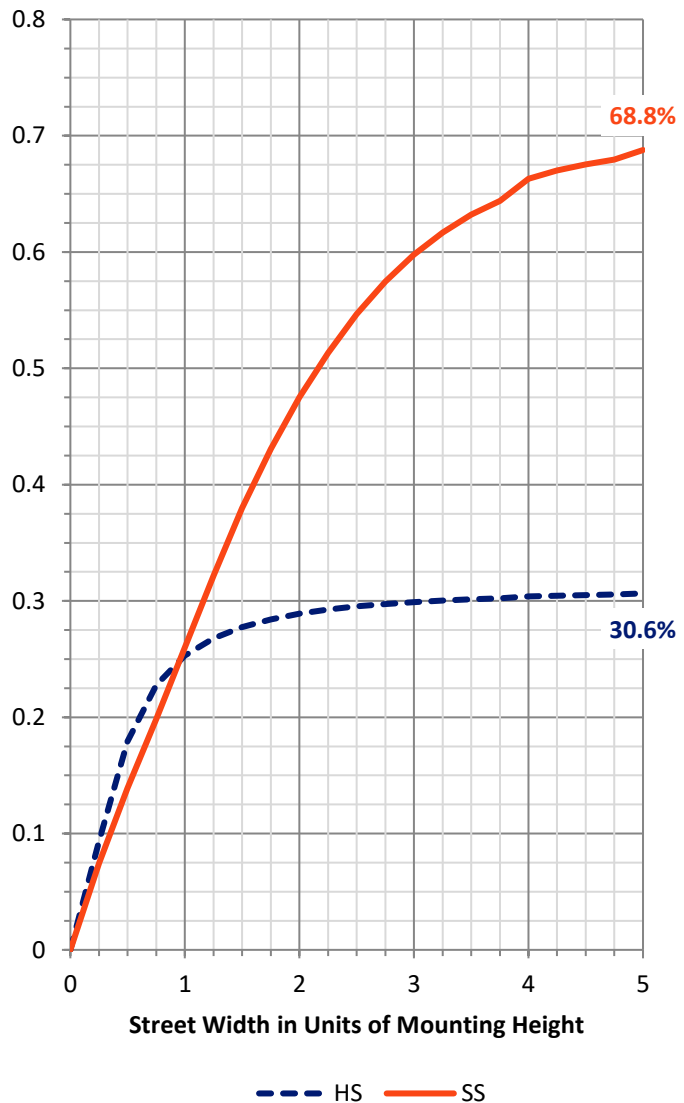
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10332.6	0.0	10332.6
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	23016.4	0.0	23016.4
	% Fixture	69.0	0.0	69.0
Total	Lumens	33349.0	0.0	33349.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	380.7	1.1
10°-20°	1278.1	3.8
20°-30°	2333.6	7.0
30°-40°	3309.7	9.9
40°-50°	4469.1	13.4
50°-60°	6012.1	18.0
60°-70°	7630.8	22.9
70°-80°	6925.4	20.8
80°-90°	1009.5	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°	33349.0	100.0
0°-180°	33349.0	100.0

Coefficient of Utilization

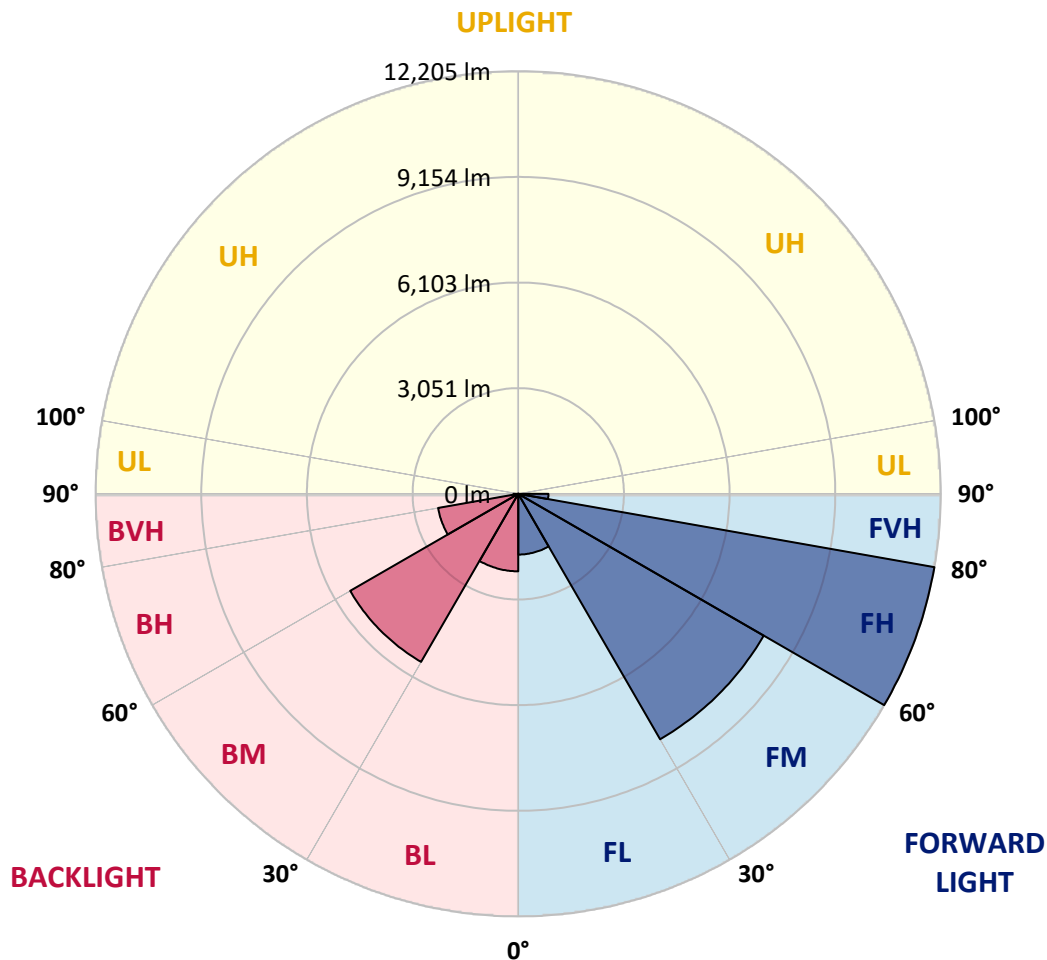


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1754.2	5.3			
FM (30°-60°)	8186.4	24.5			
FH (60°-80°)	12205.2	36.6			G5
FVH (80°-90°)	870.5	2.6			G5
BL (0°-30°)	2238.1	6.7	B3/2500		
BM (30°-60°)	5604.5	16.8	B4/8500		
BH (60°-80°)	2351.0	7.0	B3/2500		G3/2500
BVH (80°-90°)	139.0	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°	3813.5	3813.5	3813.5	3813.5	3813.5	3813.5	3813.5	3813.5	3813.5	3813.5
2.5°	3755.1	3776.4	3771.1	3764.0	3764.0	3765.7	3764.0	3776.4	3788.7	3801.1
5°	3794.0	3815.3	3804.7	3795.8	3788.7	3787.0	3781.7	3779.9	3787.0	3802.9
7.5°	3870.1	3891.3	3875.4	3859.5	3845.3	3838.3	3831.2	3820.6	3815.3	3824.1
10°	3955.0	3976.2	3956.8	3928.5	3905.5	3896.6	3889.6	3878.9	3871.9	3877.2
12.5°	4039.9	4061.1	4034.6	3995.7	3965.6	3960.3	3951.5	3947.9	3946.2	3944.4
15°	4119.5	4137.2	4103.6	4057.6	4025.8	4016.9	4008.1	4013.4	4022.2	4032.8
17.5°	4181.4	4199.1	4149.6	4089.4	4059.4	4055.8	4050.5	4068.2	4093.0	4119.5
20°	4238.0	4255.7	4192.0	4110.7	4075.3	4075.3	4077.1	4114.2	4149.6	4188.5
22.5°	4317.6	4331.8	4253.9	4142.5	4091.2	4094.7	4108.9	4146.0	4190.3	4243.3
25°	4436.1	4446.7	4351.2	4202.6	4144.3	4154.9	4167.3	4184.9	4227.4	4289.3
27.5°	4627.1	4636.0	4510.4	4308.8	4220.3	4238.0	4255.7	4243.3	4262.8	4315.8
30°	4896.0	4901.3	4742.1	4475.0	4349.4	4358.3	4361.8	4310.5	4273.4	4315.8
32.5°	5214.4	5212.6	5023.4	4676.7	4496.3	4487.4	4457.3	4356.5	4269.8	4307.0
35°	5707.9	5688.4	5444.3	4959.7	4662.5	4607.7	4536.9	4407.8	4287.5	4298.1
37.5°	6525.1	6464.9	6127.1	5423.1	4910.1	4770.4	4666.1	4490.9	4326.5	4294.6
40°	7446.6	7370.5	6999.1	6058.1	5281.6	5057.0	4888.9	4609.5	4390.1	4310.5
42.5°	8539.7	8431.8	8032.1	6806.3	5752.1	5426.6	5173.7	4759.8	4483.9	4361.8
45°	9882.2	9738.9	9172.9	7650.0	6344.6	5911.3	5573.4	4988.0	4627.1	4460.9
47.5°	11238.9	11274.2	10469.4	8615.8	7055.7	6509.1	6074.0	5331.1	4835.9	4620.1
50°	12680.4	12705.2	11758.9	9685.9	7862.3	7184.8	6636.5	5714.9	5125.9	4846.5
52.5°	13805.4	13808.9	12929.8	10805.5	8702.4	7927.7	7243.2	6153.6	5462.0	5147.2
55°	14509.4	14500.5	13750.5	11865.0	9668.2	8707.7	7915.3	6652.4	5872.4	5500.9
57.5°	15020.5	14994.0	14316.6	12775.9	10697.6	9629.3	8675.9	7218.4	6357.0	5921.9
60°	15215.1	15199.2	14700.4	13563.1	11780.1	10648.1	9553.2	7851.6	6907.1	6418.9
62.5°	15289.4	15319.5	15077.1	14325.4	12938.7	11776.6	10517.2	8608.7	7526.2	6981.4
65°	15551.2	15606.0	15556.5	15323.0	14247.6	13097.9	11796.0	9509.0	8201.9	7584.6
67.5°	16069.4	16124.3	16145.5	16516.9	15846.6	14744.6	13391.5	10630.4	8992.5	8210.7
70°	16057.0	16041.1	16416.1	17466.8	17848.8	17024.6	15542.3	12010.1	9935.3	8730.7
72.5°	14615.5	14488.1	15374.3	17456.1	19515.0	19405.4	18169.0	13789.5	10748.9	8794.4
75°	10964.7	10625.1	12190.5	15731.6	19792.7	20756.7	19838.7	14893.2	10556.1	7770.3
77.5°	4689.1	4347.7	6192.5	11645.7	17714.4	19403.6	18306.9	12993.5	8426.5	5138.3
80°	1227.5	1225.8	1871.4	5279.8	12047.2	14328.9	12570.8	8391.1	4814.6	1836.0
82.5°	507.6	495.3	688.1	2053.6	5886.5	8040.9	6562.2	3742.8	1738.7	497.0
85°	189.3	187.5	334.3	709.3	2076.6	3316.5	2400.2	956.9	433.4	242.3
87.5°	53.1	51.3	72.5	245.9	505.9	767.7	410.4	157.4	122.0	95.5
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°
3813.5	0°	3813.5	3813.5	3813.5	3813.5	3813.5	3813.5	3813.5	3813.5	3813.5	3813.5
3820.6	2.5°	3825.9	3834.7	3850.6	3863.0	3878.9	3896.6	3921.4	3937.3	3953.2	3963.8
3829.4	5°	3841.8	3861.3	3901.9	3942.6	3990.4	4034.6	4085.9	4123.0	4153.1	4162.0
3861.3	7.5°	3877.2	3909.0	3978.0	4047.0	4123.0	4195.6	4269.8	4333.5	4384.8	4404.3
3917.9	10°	3939.1	3981.5	4078.8	4176.1	4276.9	4388.4	4483.9	4575.8	4648.4	4678.4
3985.1	12.5°	4016.9	4070.0	4197.3	4331.8	4471.5	4625.4	4749.2	4862.4	4952.6	4993.3
4078.8	15°	4117.7	4186.7	4349.4	4529.9	4735.0	4949.1	5106.5	5232.1	5332.9	5382.4
4176.1	17.5°	4227.4	4319.4	4524.6	4796.9	5090.6	5371.8	5555.8	5647.7	5752.1	5799.8
4266.3	20°	4333.5	4446.7	4740.3	5136.6	5527.5	5826.4	5975.0	5999.7	6006.8	6012.1
4351.2	22.5°	4443.2	4595.3	5011.0	5564.6	5983.8	6190.8	6212.0	6105.8	5957.3	5888.3
4434.3	25°	4563.5	4765.1	5364.7	6036.9	6376.5	6401.2	6238.5	5980.3	5699.0	5569.9
4501.6	27.5°	4680.2	4961.4	5789.2	6487.9	6659.5	6441.9	6091.7	5725.6	5386.0	5249.8
4549.3	30°	4796.9	5186.1	6258.0	6882.3	6788.6	6341.1	5860.0	5451.4	5110.0	4966.8
4591.8	32.5°	4915.5	5447.9	6797.4	7167.1	6765.6	6127.1	5571.7	5143.6	4842.9	4692.6
4628.9	35°	5049.9	5769.8	7308.6	7322.8	6611.7	5812.2	5191.4	4775.7	4513.9	4393.7
4673.1	37.5°	5225.0	6178.4	7759.7	7361.7	6342.9	5350.6	4719.1	4340.6	4124.8	4070.0
4738.6	40°	5442.6	6670.1	8104.6	7299.8	5944.9	4789.9	4202.6	3900.2	3778.1	3790.5
4827.0	42.5°	5725.6	7220.2	8346.9	7140.6	5391.3	4211.5	3749.8	3615.4	3673.8	3723.3
4959.7	45°	6093.5	7791.5	8497.2	6870.0	4765.1	3721.5	3482.7	3514.6	3558.8	3564.1
5173.7	47.5°	6564.0	8369.9	8596.3	6461.4	4126.6	3376.6	3312.9	3320.0	3311.2	3274.0
5493.8	50°	7151.2	8932.4	8684.7	5920.1	3583.6	3160.8	3075.9	3051.2	2929.1	2808.8
5920.1	52.5°	7819.8	9448.9	8721.9	5248.0	3160.8	2980.4	2842.4	2686.8	2458.6	2421.5
6456.1	55°	8562.7	9926.4	8626.4	4422.0	2805.3	2748.7	2540.0	2352.5	2327.7	2295.9
7161.8	57.5°	9450.6	10441.1	8431.8	3500.4	2440.9	2478.1	2274.7	2295.9	2251.7	2202.1
8069.2	60°	10421.7	10973.5	8090.4	2660.3	2064.2	2140.2	2205.7	2203.9	2191.5	2150.8
9026.1	62.5°	11295.5	11323.8	7418.3	2037.6	1733.4	1878.5	2057.1	2055.3	2044.7	2021.7
10025.5	65°	11815.5	11270.7	6296.9	1604.3	1461.0	1662.7	1855.5	1869.6	1871.4	1869.6
10777.2	67.5°	11723.5	10649.9	4758.0	1277.1	1236.4	1443.3	1655.6	1675.0	1689.2	1692.7
10872.7	70°	10683.5	9286.1	3102.5	1018.8	1036.5	1250.5	1466.3	1485.8	1498.2	1512.3
9434.7	72.5°	8327.4	6827.5	1775.9	824.3	861.4	1084.3	1278.8	1301.8	1308.9	1335.4
6565.7	75°	5074.6	4015.1	958.7	649.1	707.5	926.8	1093.1	1119.6	1132.0	1163.9
3224.5	77.5°	2412.6	1738.7	546.6	505.9	569.5	757.0	923.3	953.4	919.8	937.5
889.7	80°	815.4	645.6	344.9	385.6	435.1	590.8	739.4	769.4	698.7	695.1
295.4	82.5°	284.8	261.8	219.3	256.5	281.2	422.7	558.9	597.8	520.0	518.3
132.7	85°	111.4	106.1	122.0	139.7	168.0	260.0	367.9	387.4	320.2	258.2
38.9	87.5°	23.0	24.8	30.1	31.8	51.3	90.2	132.7	162.7	129.1	109.7
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°
3813.5
3956.8
4165.5
4406.0
4680.2
4993.3
5378.9
5798.1
6026.3
5907.7
5589.4
5265.7
4982.7
4712.0
4420.2
4108.9
3833.0
3769.3
3599.5
3302.3
2824.8
2433.8
2301.2
2193.3
2136.7
2012.9
1869.6
1696.3
1519.4
1346.0
1167.4
923.3
688.1
493.5
254.7
100.8
0.0

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