

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: P848863

Luminaire Tested: **GLAN-SB5C-850-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848863
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-850-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 5000K, 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: 32199 lumens
Efficiency: N/A
Efficacy: 129.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B4 - U0 - G5

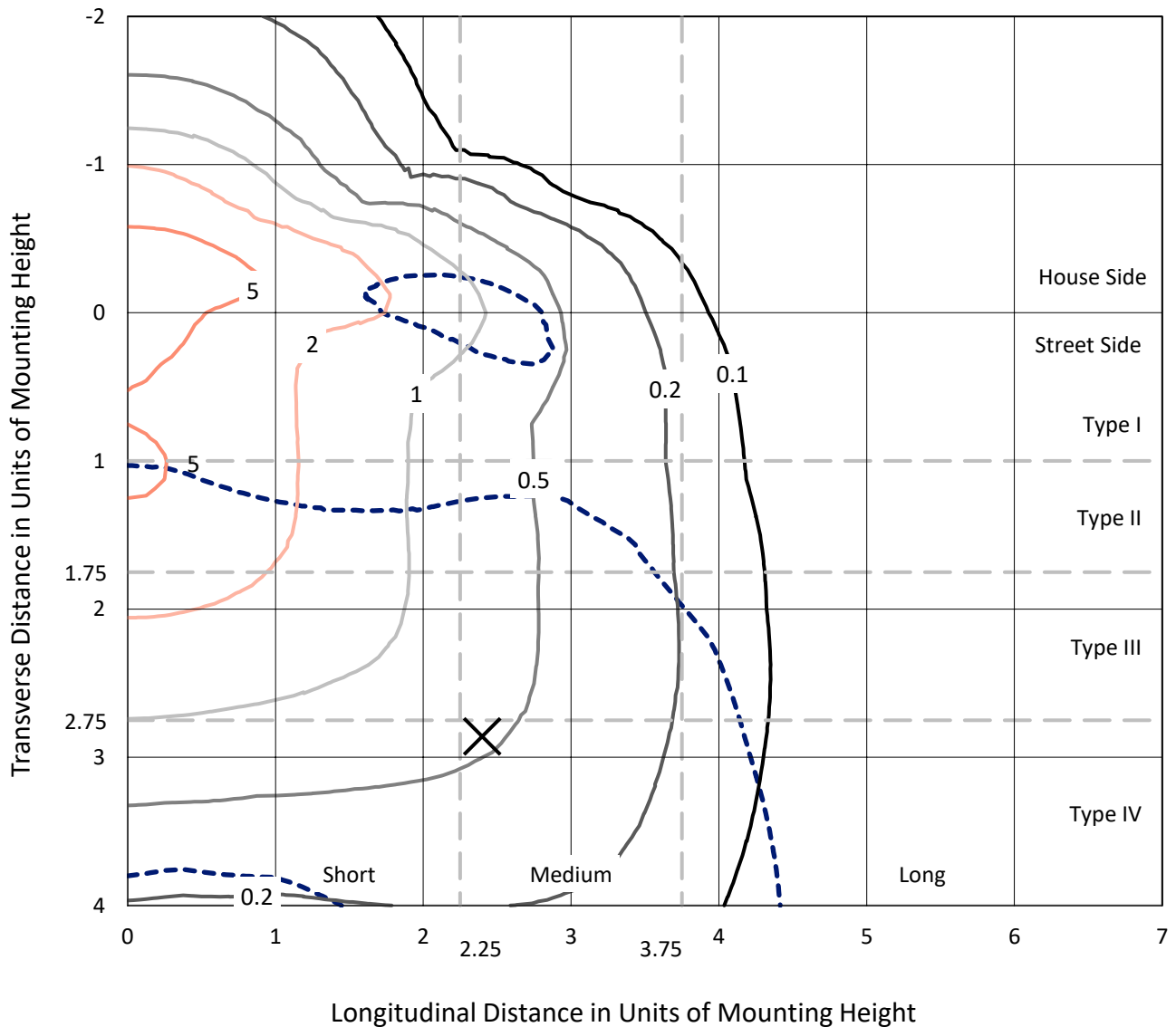
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

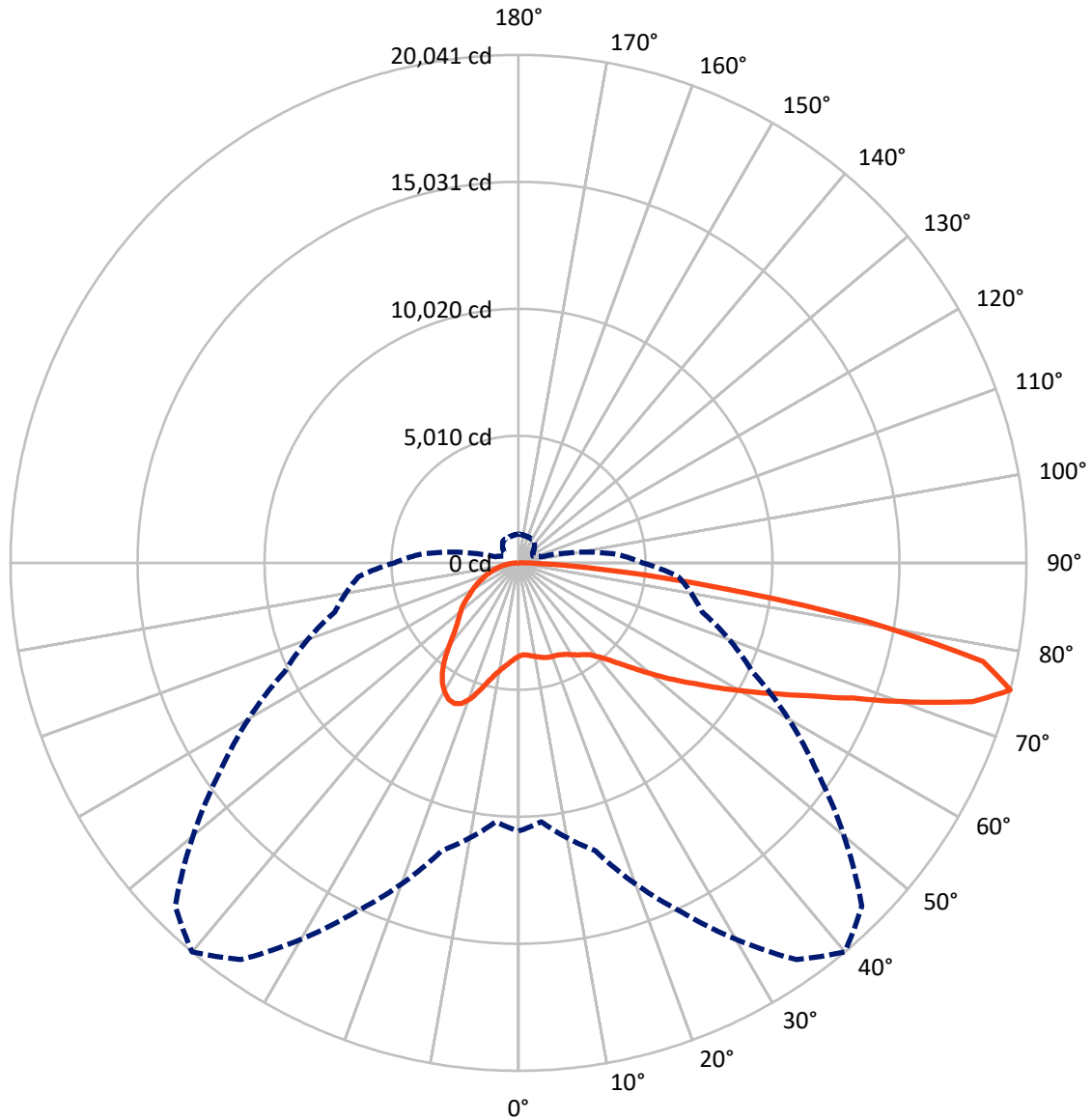
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.6 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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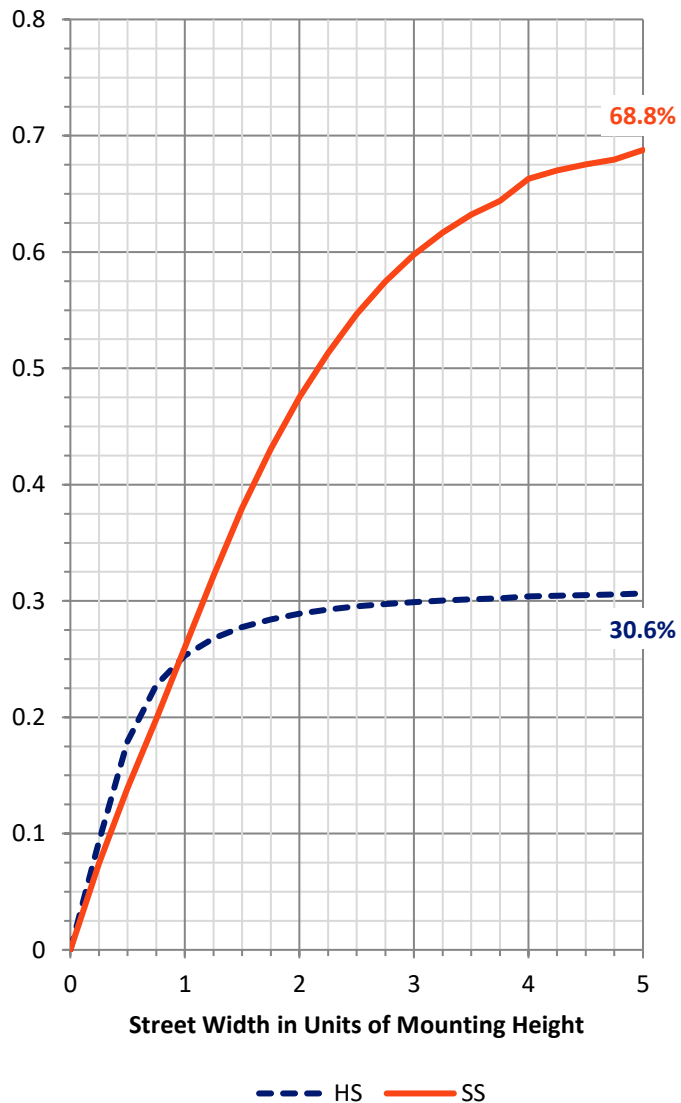
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9976.3	0.0	9976.3
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	22222.7	0.0	22222.7
	% Fixture	69.0	0.0	69.0
Total	Lumens	32199.0	0.0	32199.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	367.5	1.1
10°-20°	1234.0	3.8
20°-30°	2253.1	7.0
30°-40°	3195.6	9.9
40°-50°	4315.0	13.4
50°-60°	5804.8	18.0
60°-70°	7367.7	22.9
70°-80°	6686.6	20.8
80°-90°	974.7	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°	32199.0	100.0
0°-180°	32199.0	100.0

Coefficient of Utilization

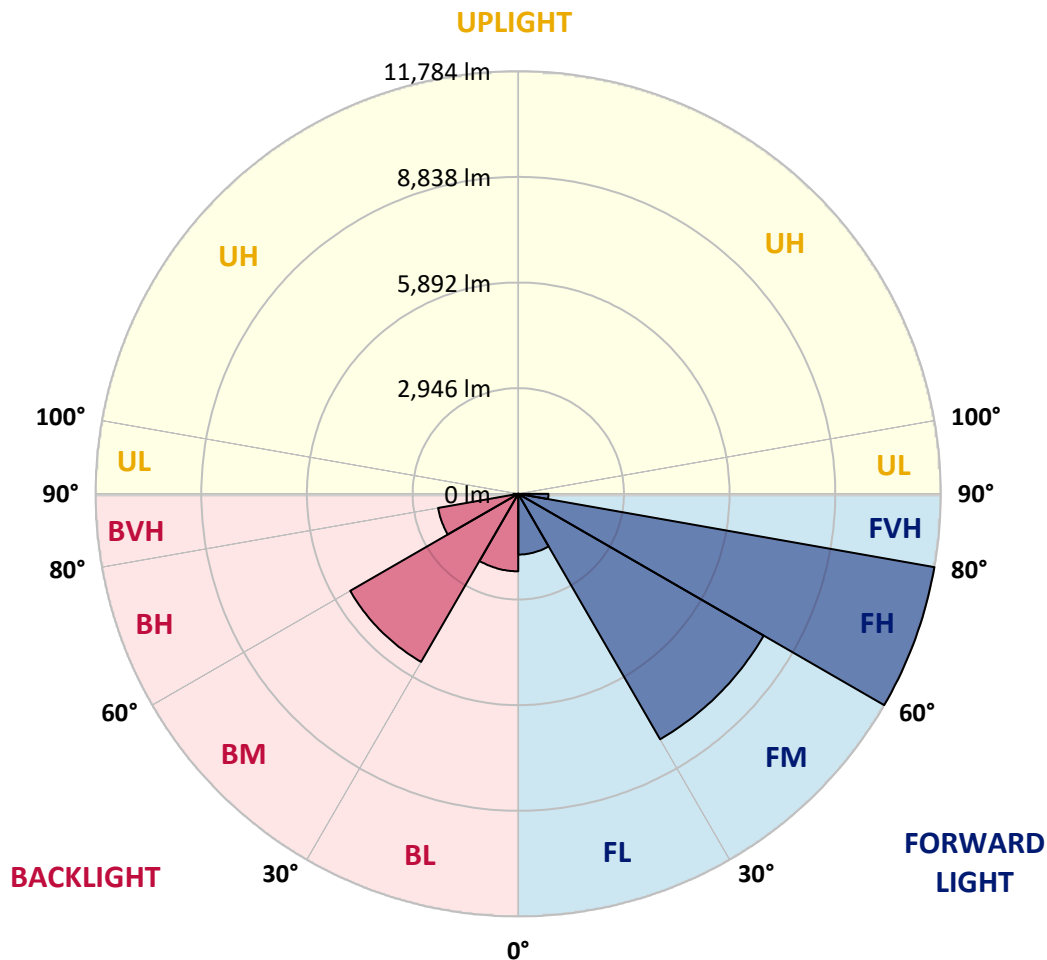


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1693.7	5.3			
FM (30°-60°)	7904.1	24.5			
FH (60°-80°)	11784.3	36.6			G4/12000
FVH (80°-90°)	840.5	2.6			G5
BL (0°-30°)	2161.0	6.7	B3/2500		
BM (30°-60°)	5411.3	16.8	B4/8500		
BH (60°-80°)	2269.9	7.0	B3/2500		G3/2500
BVH (80°-90°)	134.2	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°	3682.0	3682.0	3682.0	3682.0	3682.0	3682.0	3682.0	3682.0	3682.0	3682.0
2.5°	3625.6	3646.1	3641.0	3634.2	3634.2	3635.9	3634.2	3646.1	3658.1	3670.0
5°	3663.2	3683.7	3673.5	3664.9	3658.1	3656.4	3651.3	3649.6	3656.4	3671.8
7.5°	3736.6	3757.1	3741.8	3726.4	3712.7	3705.9	3699.1	3688.8	3683.7	3692.2
10°	3818.6	3839.1	3820.3	3793.0	3770.8	3762.3	3755.4	3745.2	3738.4	3743.5
12.5°	3900.6	3921.1	3895.5	3857.9	3828.9	3823.7	3815.2	3811.8	3810.1	3808.4
15°	3977.4	3994.5	3962.1	3917.7	3886.9	3878.4	3869.9	3875.0	3883.5	3893.8
17.5°	4037.2	4054.3	4006.5	3948.4	3919.4	3916.0	3910.8	3927.9	3951.8	3977.4
20°	4091.9	4108.9	4047.5	3968.9	3934.8	3934.8	3936.5	3972.3	4006.5	4044.1
22.5°	4168.7	4182.4	4107.2	3999.6	3950.1	3953.5	3967.2	4003.1	4045.8	4097.0
25°	4283.1	4293.4	4201.2	4057.7	4001.4	4011.6	4023.6	4040.6	4081.6	4141.4
27.5°	4467.6	4476.1	4354.9	4160.2	4074.8	4091.9	4108.9	4097.0	4115.8	4167.0
30°	4727.2	4732.3	4578.6	4320.7	4199.5	4208.0	4211.4	4161.9	4126.0	4167.0
32.5°	5034.6	5032.9	4850.1	4515.4	4341.2	4332.7	4303.6	4206.3	4122.6	4158.5
35°	5511.0	5492.3	5256.6	4788.6	4501.7	4448.8	4380.5	4255.8	4139.7	4149.9
37.5°	6300.0	6242.0	5915.8	5236.1	4740.8	4605.9	4505.2	4336.1	4177.3	4146.5
40°	7189.8	7116.4	6757.7	5849.2	5099.5	4882.6	4720.3	4450.5	4238.7	4161.9
42.5°	8245.2	8141.0	7755.1	6571.6	5553.7	5239.5	4995.3	4595.7	4329.3	4211.4
45°	9541.4	9403.1	8856.6	7386.2	6125.8	5707.4	5381.3	4816.0	4467.6	4307.1
47.5°	10851.3	10885.5	10108.4	8318.7	6812.4	6284.7	5864.6	5147.3	4669.1	4460.8
50°	12243.2	12267.1	11353.4	9351.9	7591.1	6937.0	6407.6	5517.9	4949.2	4679.3
52.5°	13329.3	13332.7	12484.0	10432.9	8402.3	7654.3	6993.4	5941.4	5273.7	4969.7
55°	14009.0	14000.5	13276.4	11455.9	9334.8	8407.5	7642.4	6423.0	5669.9	5311.2
57.5°	14502.6	14476.9	13822.9	12335.4	10328.7	9297.2	8376.7	6969.5	6137.8	5717.7
60°	14690.4	14675.1	14193.5	13095.3	11373.9	10280.9	9223.8	7580.9	6668.9	6197.6
62.5°	14762.2	14791.2	14557.2	13831.4	12492.5	11370.5	10154.5	8311.8	7266.7	6740.7
65°	15014.9	15067.8	15020.0	14794.6	13756.3	12646.2	11389.3	9181.1	7919.0	7323.0
67.5°	15515.3	15568.2	15588.7	15947.4	15300.1	14236.2	12929.7	10263.8	8682.4	7927.6
70°	15503.3	15488.0	15850.0	16864.4	17233.3	16437.5	15006.4	11595.9	9592.7	8429.7
72.5°	14111.5	13988.5	14844.1	16854.2	18842.1	18736.2	17542.4	13313.9	10378.2	8491.1
75°	10586.6	10258.7	11770.1	15189.1	19110.2	20040.9	19154.6	14379.6	10192.1	7502.3
77.5°	4527.4	4197.8	5979.0	11244.1	17103.5	18734.5	17675.6	12545.4	8135.9	4961.1
80°	1185.2	1183.5	1806.8	5097.8	11631.8	13834.8	12137.3	8101.8	4648.6	1772.7
82.5°	490.1	478.2	664.3	1982.7	5683.5	7763.6	6335.9	3613.7	1678.8	479.9
85°	182.7	181.0	322.8	684.8	2004.9	3202.1	2317.5	923.9	418.4	234.0
87.5°	51.2	49.5	70.0	237.4	488.4	741.2	396.2	152.0	117.8	92.2
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°
3682.0	0°	3682.0	3682.0	3682.0	3682.0	3682.0	3682.0	3682.0	3682.0	3682.0	3682.0
3688.8	2.5°	3694.0	3702.5	3717.9	3729.8	3745.2	3762.3	3786.2	3801.5	3816.9	3827.2
3697.4	5°	3709.3	3728.1	3767.4	3806.7	3852.8	3895.5	3945.0	3980.9	4009.9	4018.4
3728.1	7.5°	3743.5	3774.2	3840.8	3907.4	3980.9	4050.9	4122.6	4184.1	4233.6	4252.4
3782.8	10°	3803.3	3844.2	3938.2	4032.1	4129.4	4237.0	4329.3	4418.1	4488.1	4517.1
3847.7	12.5°	3878.4	3929.6	4052.6	4182.4	4317.3	4465.9	4585.4	4694.7	4781.8	4821.1
3938.2	15°	3975.7	4042.3	4199.5	4373.7	4571.8	4778.4	4930.4	5051.6	5149.0	5196.8
4032.1	17.5°	4081.6	4170.4	4368.5	4631.5	4915.0	5186.6	5364.2	5453.0	5553.7	5599.8
4119.2	20°	4184.1	4293.4	4576.9	4959.4	5336.8	5625.5	5768.9	5792.8	5799.7	5804.8
4201.2	22.5°	4290.0	4436.8	4838.2	5372.7	5777.5	5977.3	5997.8	5895.3	5751.8	5685.2
4281.4	25°	4406.1	4600.8	5179.7	5828.7	6156.6	6180.5	6023.4	5774.0	5502.5	5377.8
4346.3	27.5°	4518.8	4790.4	5589.6	6264.2	6429.8	6219.8	5881.6	5528.1	5200.2	5068.7
4392.4	30°	4631.5	5007.2	6042.2	6645.0	6554.5	6122.4	5657.9	5263.4	4933.8	4795.5
4433.4	32.5°	4746.0	5260.0	6563.0	6920.0	6532.3	5915.8	5379.5	4966.3	4675.9	4530.8
4469.3	35°	4875.7	5570.8	7056.6	7070.3	6383.7	5611.8	5012.4	4611.0	4358.3	4242.2
4512.0	37.5°	5044.8	5965.3	7492.1	7107.8	6124.1	5166.1	4556.4	4190.9	3982.6	3929.6
4575.2	40°	5254.9	6440.1	7825.1	7048.1	5739.9	4624.7	4057.7	3765.7	3647.8	3659.8
4660.6	42.5°	5528.1	6971.2	8059.1	6894.4	5205.3	4066.3	3620.5	3490.7	3547.1	3594.9
4788.6	45°	5883.3	7522.8	8204.2	6633.1	4600.8	3593.2	3362.6	3393.4	3436.1	3441.2
4995.3	47.5°	6337.6	8081.3	8299.9	6238.6	3984.3	3260.2	3198.7	3205.5	3197.0	3161.1
5304.4	50°	6904.6	8624.3	8385.3	5716.0	3460.0	3051.8	2969.8	2945.9	2828.1	2712.0
5716.0	52.5°	7550.1	9123.0	8421.1	5067.0	3051.8	2877.6	2744.4	2594.1	2373.8	2338.0
6233.4	55°	8267.4	9584.1	8328.9	4269.5	2708.6	2653.9	2452.4	2271.4	2247.5	2216.7
6914.8	57.5°	9124.7	10081.1	8141.0	3379.7	2356.8	2392.6	2196.2	2216.7	2174.0	2126.2
7790.9	60°	10062.3	10595.1	7811.4	2568.5	1993.0	2066.4	2129.6	2127.9	2116.0	2076.7
8714.9	62.5°	10906.0	10933.3	7162.5	1967.4	1673.6	1813.7	1986.2	1984.5	1974.2	1952.0
9679.8	65°	11408.0	10882.0	6079.7	1549.0	1410.6	1605.3	1791.5	1805.1	1806.8	1805.1
10405.6	67.5°	11319.2	10282.6	4594.0	1233.0	1193.7	1393.6	1598.5	1617.3	1630.9	1634.4
10497.8	70°	10315.1	8965.9	2995.5	983.7	1000.8	1207.4	1415.8	1434.5	1446.5	1460.2
9109.4	72.5°	8040.3	6592.1	1714.6	795.8	831.7	1046.9	1234.7	1256.9	1263.8	1289.4
6339.3	75°	4899.7	3876.7	925.6	626.8	683.1	894.9	1055.4	1081.0	1093.0	1123.7
3113.3	77.5°	2329.4	1678.8	527.7	488.4	549.9	730.9	891.5	920.5	888.1	905.1
859.0	80°	787.3	623.3	333.0	372.3	420.1	570.4	713.9	742.9	674.6	671.2
285.2	82.5°	275.0	252.8	211.8	247.6	271.5	408.2	539.7	577.2	502.1	500.4
128.1	85°	107.6	102.5	117.8	134.9	162.2	251.0	355.2	374.0	309.1	249.3
37.6	87.5°	22.2	23.9	29.0	30.7	49.5	87.1	128.1	157.1	124.7	105.9
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°
3682.0
3820.3
4021.8
4254.1
4518.8
4821.1
5193.4
5598.1
5818.4
5704.0
5396.6
5084.1
4810.8
4549.6
4267.8
3967.2
3700.8
3639.3
3475.4
3188.4
2727.3
2349.9
2221.8
2117.7
2063.0
1943.5
1805.1
1637.8
1467.0
1299.6
1127.1
891.5
664.3
476.5
245.9
97.3
0.0

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