

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: P849503

Luminaire Tested: **GLAN-SB6C-827-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849503
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-SB6C-827-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 2700K, 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: 35893 lumens
Efficiency: N/A
Efficacy: 119.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B4 - U0 - G5

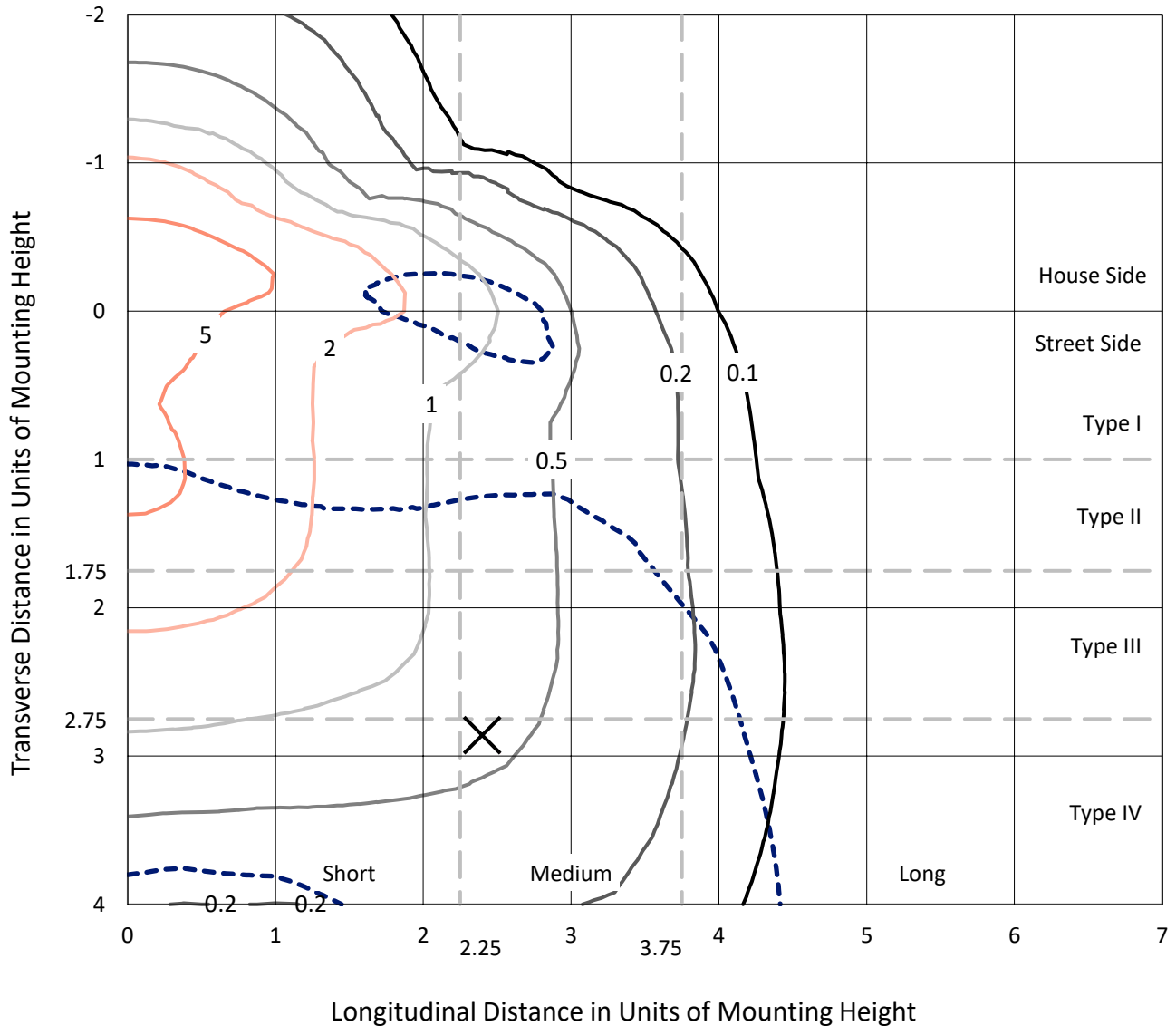
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

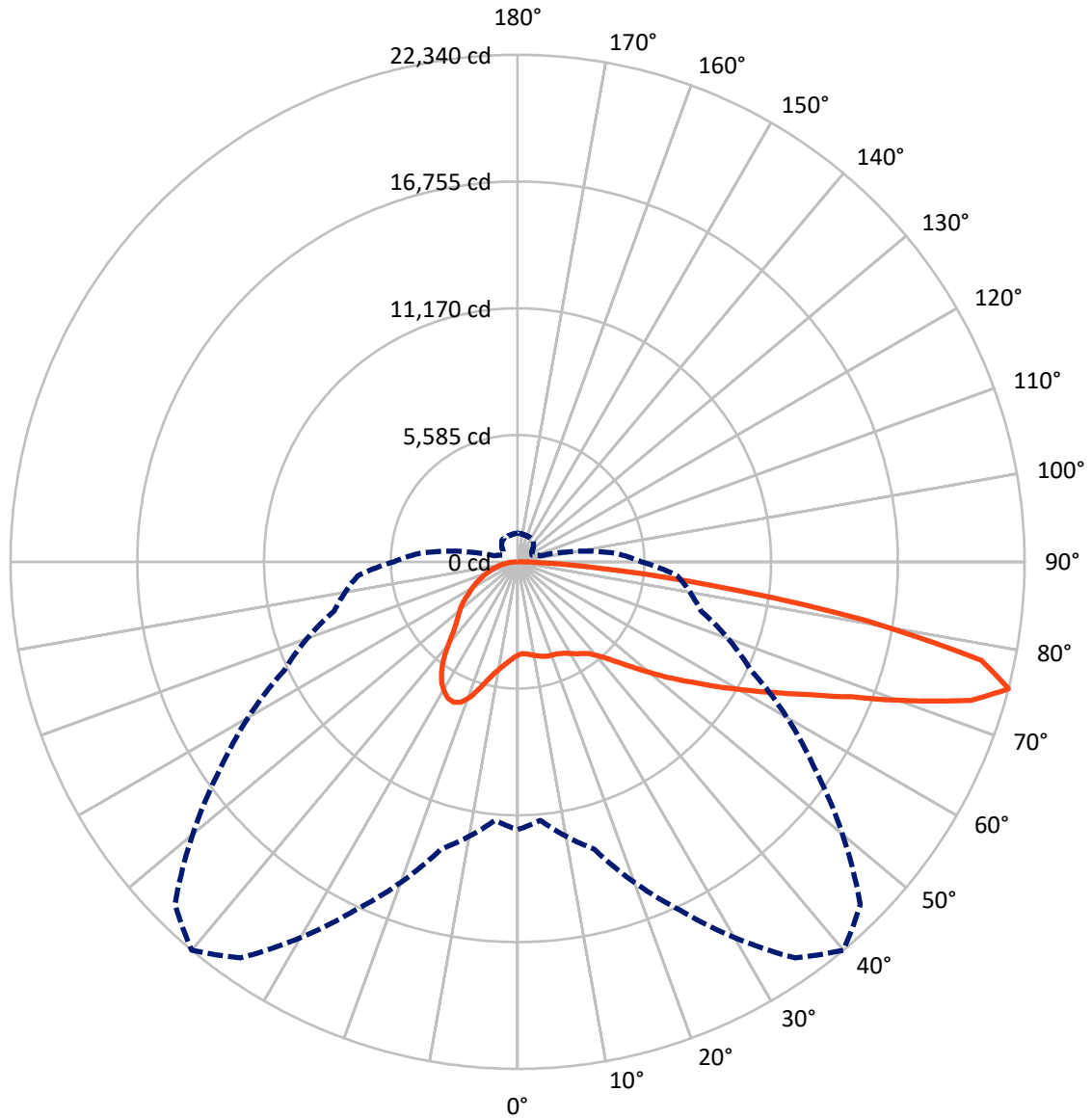
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.5 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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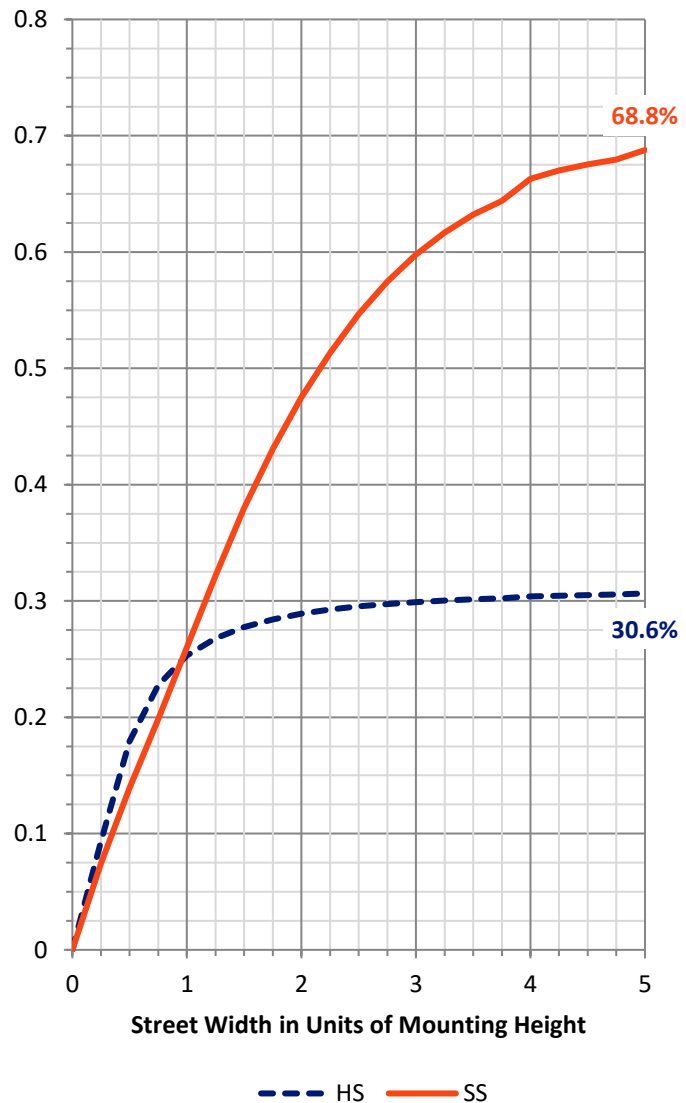
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11120.8	0.0	11120.8
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	24772.2	0.0	24772.2
	% Fixture	69.0	0.0	69.0
Total	Lumens	35893.0	0.0	35893.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	409.7	1.1
10°-20°	1375.5	3.8
20°-30°	2511.6	7.0
30°-40°	3562.2	9.9
40°-50°	4810.0	13.4
50°-60°	6470.8	18.0
60°-70°	8212.9	22.9
70°-80°	7453.7	20.8
80°-90°	1086.5	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°	35893.0	100.0
0°-180°	35893.0	100.0

Coefficient of Utilization

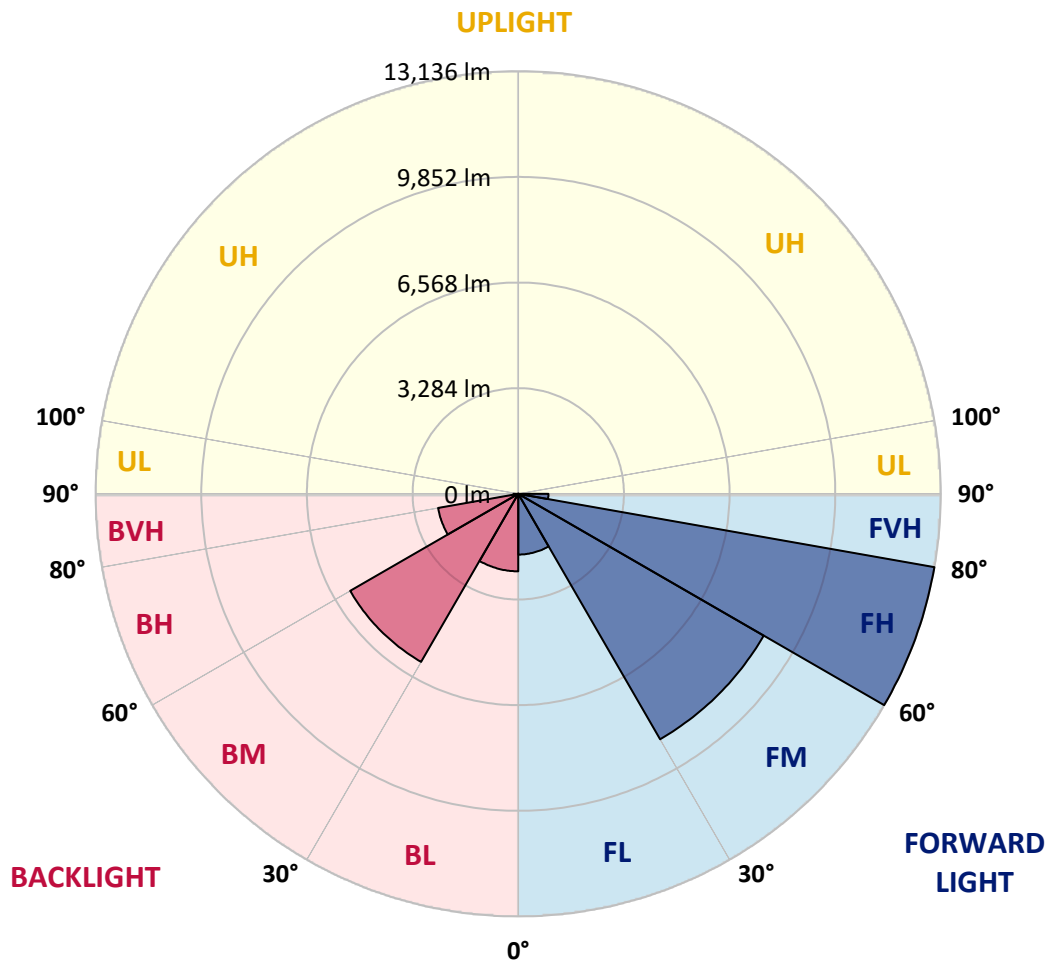


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1888.0	5.3			
FM (30°-60°)	8810.9	24.5			
FH (60°-80°)	13136.3	36.6			G5
FVH (80°-90°)	936.9	2.6			G5
BL (0°-30°)	2408.9	6.7	B3/2500		
BM (30°-60°)	6032.1	16.8	B4/8500		
BH (60°-80°)	2530.3	7.0	B4/5000		G4/5000
BVH (80°-90°)	149.6	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°	4104.4	4104.4	4104.4	4104.4	4104.4	4104.4	4104.4	4104.4	4104.4	4104.4
2.5°	4041.6	4064.4	4058.7	4051.1	4051.1	4053.0	4051.1	4064.4	4077.8	4091.1
5°	4083.5	4106.3	4094.9	4085.4	4077.8	4075.9	4070.1	4068.2	4075.9	4093.0
7.5°	4165.3	4188.2	4171.0	4153.9	4138.7	4131.1	4123.4	4112.0	4106.3	4115.8
10°	4256.7	4279.6	4258.6	4228.2	4203.4	4193.9	4186.3	4174.8	4167.2	4172.9
12.5°	4348.1	4370.9	4342.4	4300.5	4268.1	4262.4	4252.9	4249.1	4247.2	4245.3
15°	4433.8	4452.8	4416.6	4367.1	4332.9	4323.3	4313.8	4319.5	4329.1	4340.5
17.5°	4500.4	4519.4	4466.1	4401.4	4369.0	4365.2	4359.5	4378.5	4405.2	4433.8
20°	4561.3	4580.3	4511.8	4424.2	4386.2	4386.2	4388.1	4428.0	4466.1	4508.0
22.5°	4647.0	4662.2	4578.4	4458.5	4403.3	4407.1	4422.3	4462.3	4509.9	4567.0
25°	4774.5	4785.9	4683.1	4523.2	4460.4	4471.8	4485.2	4504.2	4549.9	4616.5
27.5°	4980.1	4989.6	4854.5	4637.5	4542.3	4561.3	4580.3	4567.0	4588.0	4645.1
30°	5269.5	5275.2	5103.9	4816.4	4681.2	4690.8	4694.6	4639.4	4599.4	4645.1
32.5°	5612.2	5610.3	5406.6	5033.4	4839.2	4829.7	4797.4	4688.9	4595.6	4635.5
35°	6143.3	6122.4	5859.6	5338.0	5018.2	4959.2	4883.0	4744.1	4614.6	4626.0
37.5°	7022.8	6958.1	6594.5	5836.8	5284.7	5134.3	5022.0	4833.5	4656.5	4622.2
40°	8014.6	7932.8	7533.0	6520.2	5684.5	5442.7	5261.9	4961.1	4725.0	4639.4
42.5°	9191.1	9075.0	8644.8	7325.5	6190.9	5840.6	5568.4	5122.9	4825.9	4694.6
45°	10636.1	10481.9	9872.7	8233.6	6828.6	6362.2	5998.6	5368.5	4980.1	4801.2
47.5°	12096.2	12134.3	11268.1	9273.0	7593.9	7005.7	6537.4	5737.8	5204.8	4972.5
50°	13647.7	13674.4	12655.9	10424.8	8462.0	7732.9	7142.7	6150.9	5517.0	5216.2
52.5°	14858.5	14862.3	13916.2	11629.8	9366.3	8532.5	7795.7	6623.0	5878.7	5539.8
55°	15616.2	15606.7	14799.5	12770.1	10405.7	9372.0	8519.1	7159.9	6320.3	5920.6
57.5°	16166.4	16137.8	15408.7	13750.5	11513.7	10363.8	9337.7	7769.1	6842.0	6373.6
60°	16375.8	16358.6	15821.8	14597.7	12678.8	11460.4	10282.0	8450.6	7434.0	6908.6
62.5°	16455.7	16488.1	16227.3	15418.2	13925.7	12674.9	11319.5	9265.4	8100.3	7514.0
65°	16737.5	16796.5	16743.2	16491.9	15334.4	14097.0	12695.9	10234.4	8827.5	8163.1
67.5°	17295.3	17354.3	17377.1	17776.9	17055.4	15869.4	14413.0	11441.3	9678.5	8837.1
70°	17281.9	17264.8	17668.4	18799.2	19210.4	18323.3	16728.0	12926.2	10693.2	9396.7
72.5°	15730.4	15593.3	16547.1	18787.8	21003.7	20885.7	19555.0	14841.4	11568.9	9465.3
75°	11801.1	11435.6	13120.4	16931.7	21302.6	22340.1	21352.1	16029.3	11361.4	8363.0
77.5°	5046.8	4679.3	6664.9	12534.1	19065.7	20883.8	19703.5	13984.7	9069.3	5530.3
80°	1321.2	1319.3	2014.1	5682.6	12966.2	15422.0	13529.7	9031.2	5181.9	1976.1
82.5°	546.4	533.0	740.5	2210.2	6335.6	8654.3	7062.8	4028.3	1871.4	534.9
85°	203.7	201.8	359.8	763.4	2235.0	3569.5	2583.3	1029.9	466.4	260.8
87.5°	57.1	55.2	78.1	264.6	544.5	826.2	441.7	169.4	131.4	102.8
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°
4104.4	0°	4104.4	4104.4	4104.4	4104.4	4104.4	4104.4	4104.4	4104.4	4104.4	4104.4
4112.0	2.5°	4117.7	4127.3	4144.4	4157.7	4174.8	4193.9	4220.5	4237.7	4254.8	4266.2
4121.5	5°	4134.9	4155.8	4199.6	4243.4	4294.8	4342.4	4397.6	4437.6	4469.9	4479.4
4155.8	7.5°	4172.9	4207.2	4281.5	4355.7	4437.6	4515.6	4595.6	4664.1	4719.3	4740.3
4216.7	10°	4239.6	4285.3	4390.0	4494.7	4603.2	4723.1	4825.9	4924.9	5003.0	5035.3
4289.1	12.5°	4323.3	4380.5	4517.5	4662.2	4812.6	4978.2	5111.5	5233.3	5330.4	5374.2
4390.0	15°	4431.9	4506.1	4681.2	4875.4	5096.2	5326.6	5496.0	5631.2	5739.7	5793.0
4494.7	17.5°	4549.9	4648.9	4869.7	5162.9	5478.9	5781.6	5979.6	6078.6	6190.9	6242.3
4591.8	20°	4664.1	4785.9	5102.0	5528.4	5949.1	6270.8	6430.8	6457.4	6465.0	6470.7
4683.1	22.5°	4782.1	4945.9	5393.2	5989.1	6440.3	6663.0	6685.9	6571.6	6411.7	6337.5
4772.6	25°	4911.6	5128.6	5774.0	6497.4	6862.9	6889.5	6714.4	6436.5	6133.8	5994.8
4845.0	27.5°	5037.2	5339.9	6230.9	6982.8	7167.5	6933.3	6556.4	6162.3	5796.8	5650.2
4896.4	30°	5162.9	5581.7	6735.3	7407.4	7306.5	6824.8	6307.0	5867.3	5499.8	5345.6
4942.0	32.5°	5290.4	5863.4	7316.0	7713.9	7281.7	6594.5	5996.7	5536.0	5212.4	5050.6
4982.0	35°	5435.1	6209.9	7866.2	7881.4	7116.1	6255.6	5587.4	5140.0	4858.3	4728.8
5029.6	37.5°	5623.6	6649.7	8351.6	7923.3	6826.7	5758.7	5079.1	4671.7	4439.5	4380.5
5100.1	40°	5857.7	7178.9	8722.8	7856.6	6398.4	5155.3	4523.2	4197.7	4066.3	4079.7
5195.2	42.5°	6162.3	7771.0	8983.6	7685.3	5802.5	4532.7	4035.9	3891.2	3954.0	4007.3
5338.0	45°	6558.3	8385.9	9145.5	7394.0	5128.6	4005.4	3748.4	3782.7	3830.3	3836.0
5568.4	47.5°	7064.7	9008.4	9252.1	6954.3	4441.4	3634.2	3565.7	3573.3	3563.8	3523.8
5912.9	50°	7696.7	9613.8	9347.2	6371.7	3856.9	3401.9	3310.6	3283.9	3152.6	3023.1
6371.7	52.5°	8416.3	10169.7	9387.2	5648.3	3401.9	3207.8	3059.3	2891.7	2646.2	2606.2
6948.6	55°	9215.9	10683.7	9284.4	4759.3	3019.3	2958.4	2733.7	2531.9	2505.3	2471.0
7708.1	57.5°	10171.6	11237.6	9075.0	3767.5	2627.1	2667.1	2448.2	2471.0	2423.4	2370.1
8684.8	60°	11216.7	11810.7	8707.6	2863.2	2221.6	2303.5	2373.9	2372.0	2358.7	2314.9
9714.7	62.5°	12157.1	12187.6	7984.2	2193.1	1865.6	2021.7	2214.0	2212.1	2200.7	2175.9
10790.3	65°	12716.8	12130.5	6777.2	1726.7	1572.5	1789.5	1997.0	2012.2	2014.1	2012.2
11599.3	67.5°	12617.8	11462.3	5121.0	1374.5	1330.7	1553.4	1781.9	1802.8	1818.0	1821.9
11702.1	70°	11498.4	9994.5	3339.1	1096.5	1115.6	1345.9	1578.2	1599.1	1612.4	1627.7
10154.4	72.5°	8962.7	7348.3	1911.3	887.1	927.1	1167.0	1376.4	1401.1	1408.8	1437.3
7066.6	75°	5461.8	4321.4	1031.8	698.7	761.5	997.5	1176.5	1205.1	1218.4	1252.6
3470.5	77.5°	2596.7	1871.4	588.2	544.5	613.0	814.8	993.7	1026.1	989.9	1009.0
957.6	80°	877.6	694.9	371.2	415.0	468.3	635.8	795.8	828.1	752.0	748.2
317.9	82.5°	306.5	281.8	236.1	276.0	302.7	455.0	601.6	643.5	559.7	557.8
142.8	85°	119.9	114.2	131.4	150.4	180.9	279.8	396.0	416.9	344.6	277.9
41.9	87.5°	24.7	26.7	32.4	34.3	55.2	97.1	142.8	175.1	139.0	118.0
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°
4104.4
4258.6
4483.3
4742.2
5037.2
5374.2
5789.2
6240.4
6486.0
6358.4
6015.7
5667.4
5362.8
5071.5
4757.4
4422.3
4125.4
4056.8
3874.1
3554.2
3040.2
2619.5
2476.7
2360.6
2299.7
2166.4
2012.2
1825.7
1635.3
1448.7
1256.5
993.7
740.5
531.1
274.1
108.5
0.0

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