

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: P850013

Luminaire Tested: **GLAN-SB7B-827-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850013
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-SB7B-827-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31650 lumens
Efficiency: N/A
Efficacy: 123.3 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

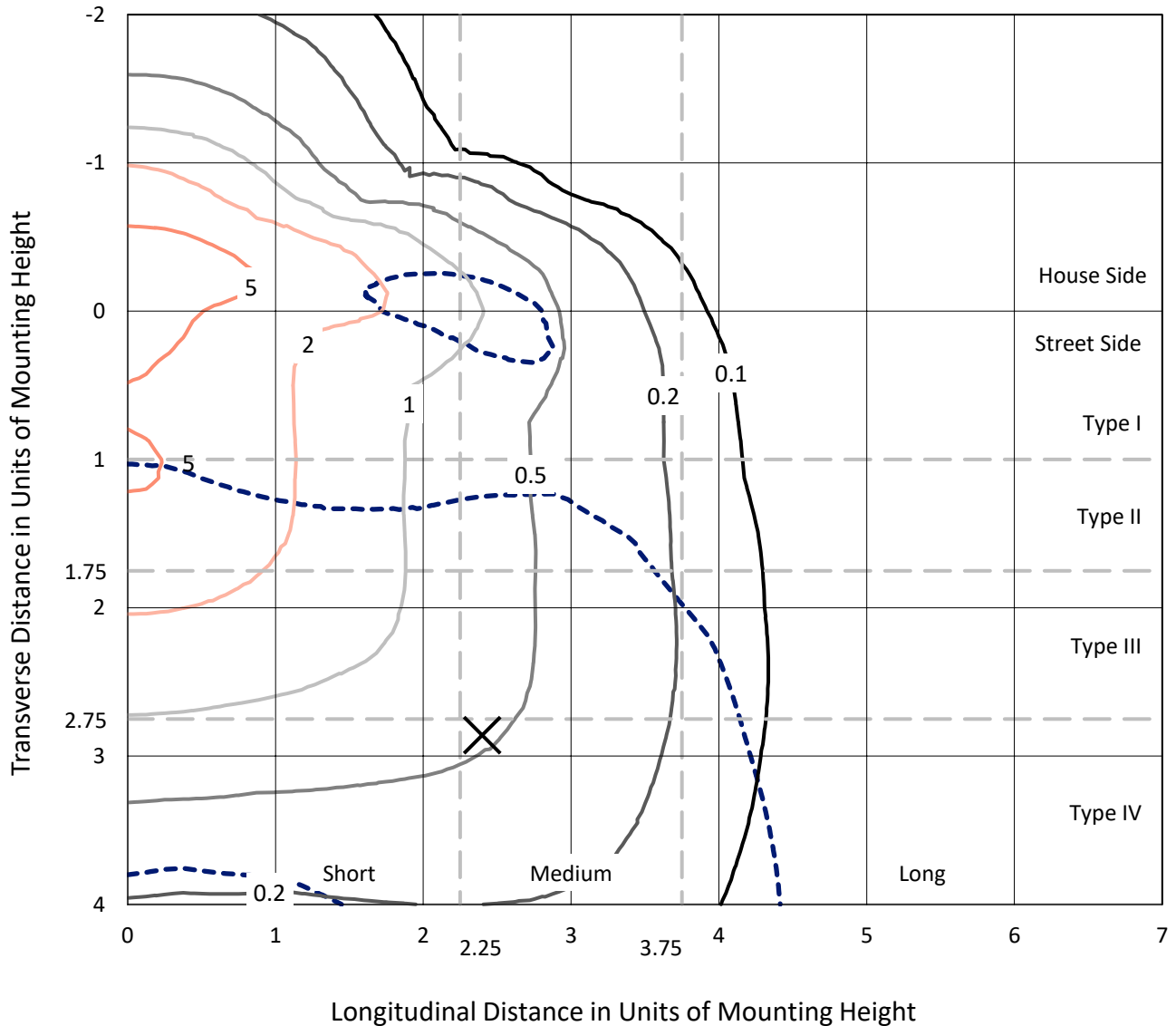
Input Watts (W): 256.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

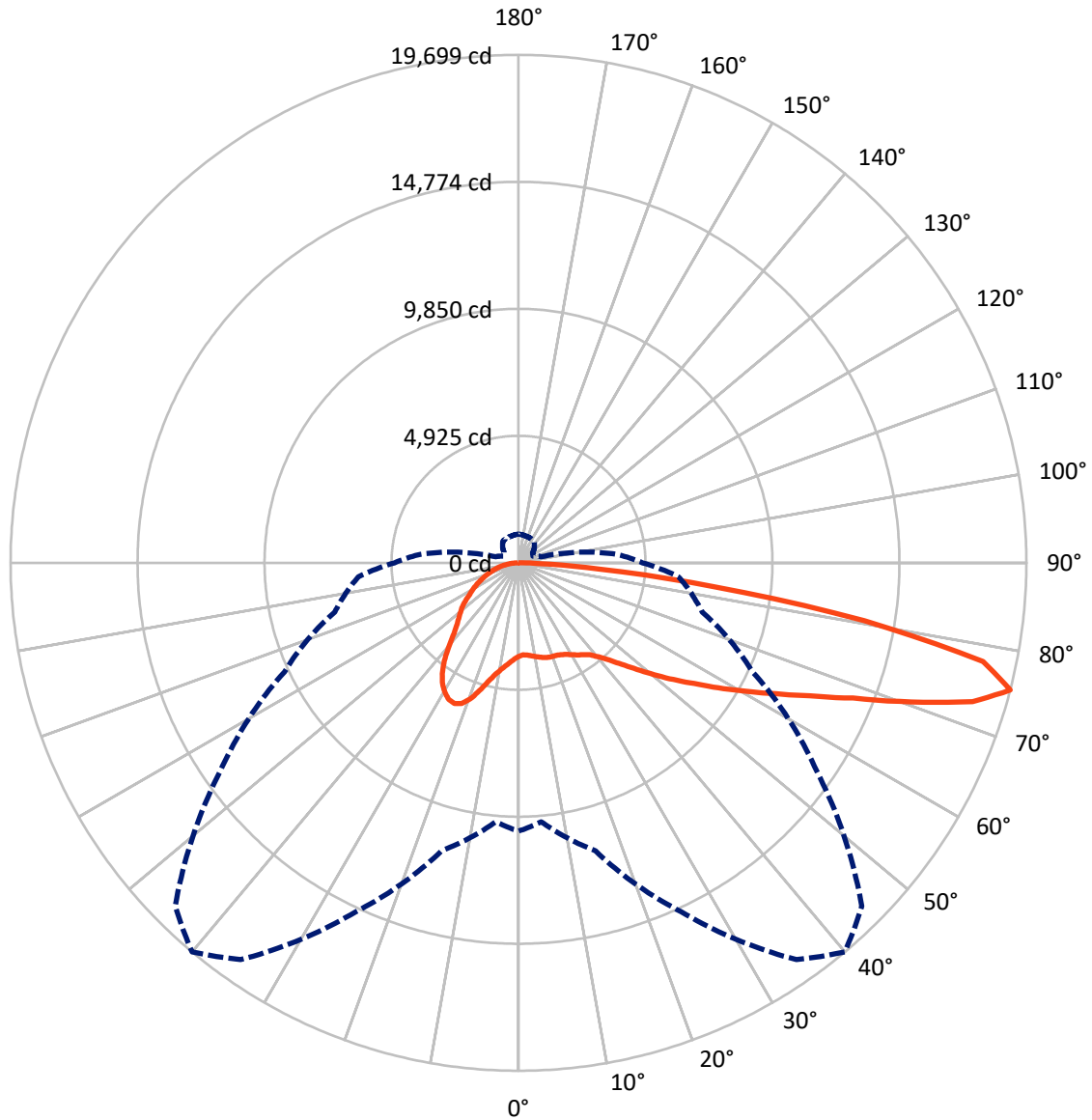
× Max cd
 - - - 1/2 Max cd



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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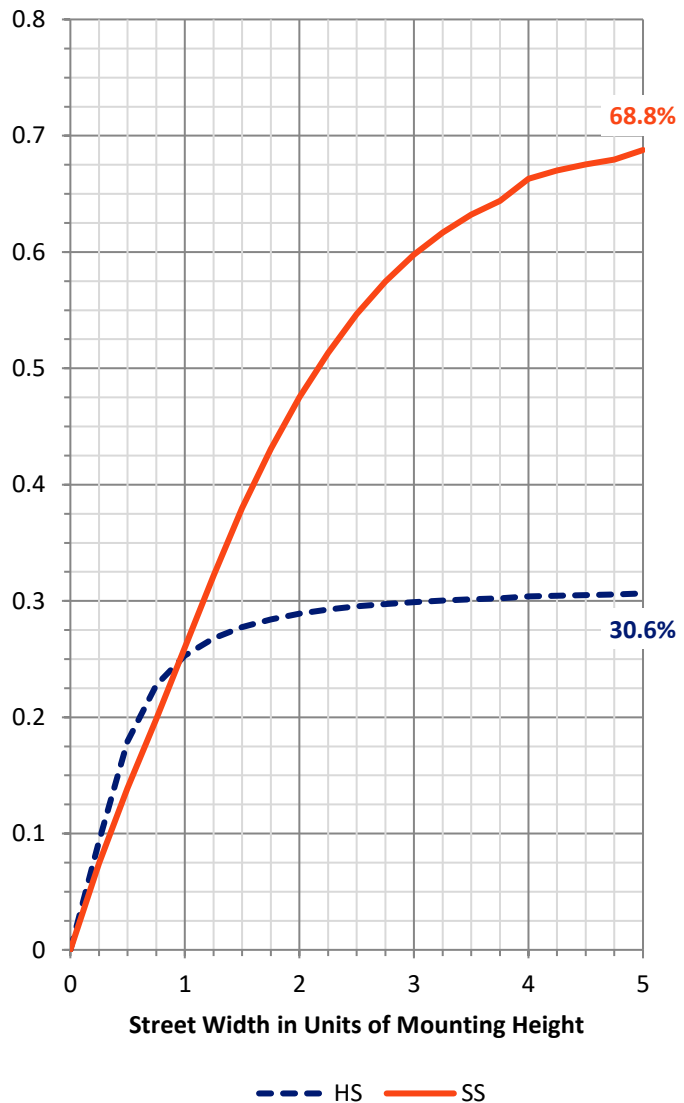
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9806.2	0.0	9806.2
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	21843.8	0.0	21843.8
	% Fixture	69.0	0.0	69.0
Total	Lumens	31650.0	0.0	31650.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	361.3	1.1
10°-20°	1212.9	3.8
20°-30°	2214.7	7.0
30°-40°	3141.1	9.9
40°-50°	4241.4	13.4
50°-60°	5705.9	18.0
60°-70°	7242.0	22.9
70°-80°	6572.6	20.8
80°-90°	958.1	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°	31650.0	100.0
0°-180°	31650.0	100.0

Coefficient of Utilization

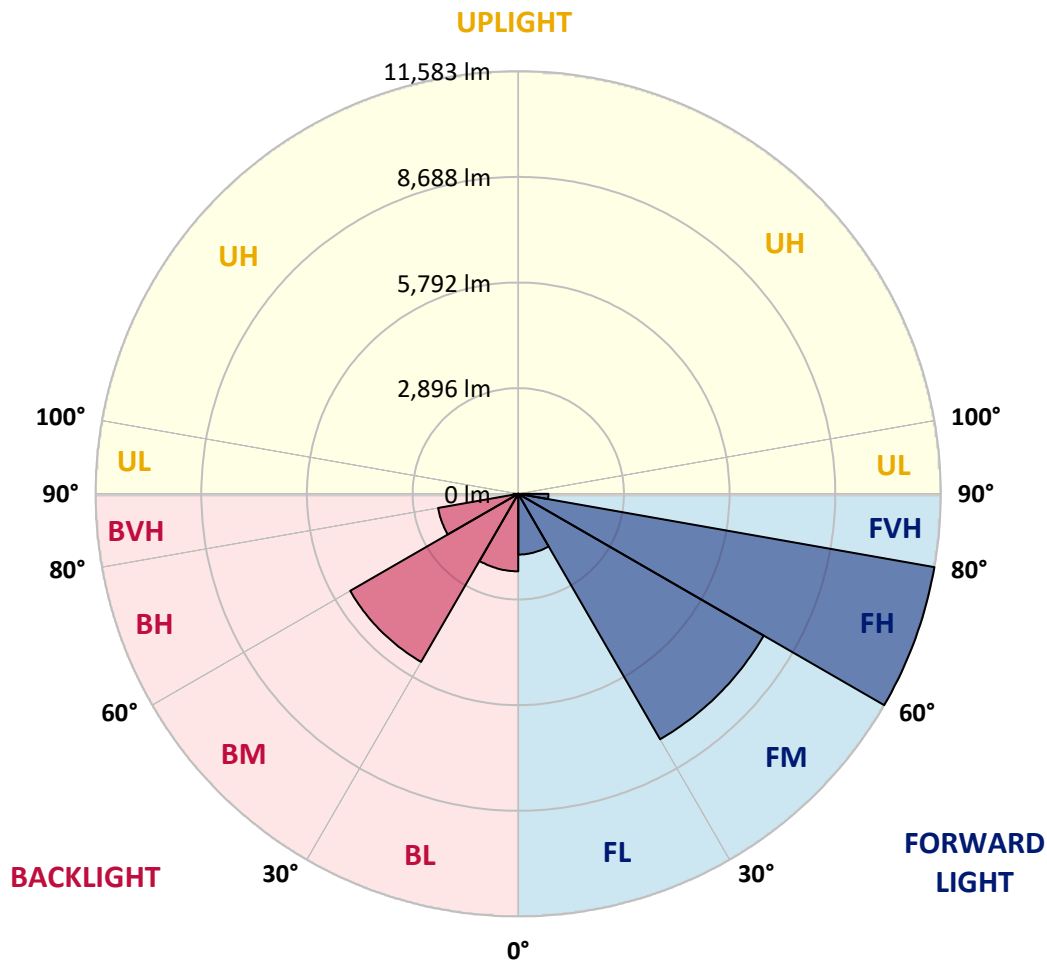


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1664.8	5.3			
FM (30°-60°)	7769.4	24.5			
FH (60°-80°)	11583.4	36.6			G4/12000
FVH (80°-90°)	826.2	2.6			G5
BL (0°-30°)	2124.1	6.7	B3/2500		
BM (30°-60°)	5319.0	16.8	B4/8500		
BH (60°-80°)	2231.2	7.0	B3/2500		G3/2500
BVH (80°-90°)	131.9	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°	3619.2	3619.2	3619.2	3619.2	3619.2	3619.2	3619.2	3619.2	3619.2	3619.2
2.5°	3563.8	3584.0	3578.9	3572.2	3572.2	3573.9	3572.2	3584.0	3595.7	3607.5
5°	3600.8	3620.9	3610.8	3602.4	3595.7	3594.0	3589.0	3587.3	3594.0	3609.1
7.5°	3672.9	3693.1	3678.0	3662.9	3649.4	3642.7	3636.0	3625.9	3620.9	3629.3
10°	3753.5	3773.7	3755.2	3728.3	3706.5	3698.1	3691.4	3681.3	3674.6	3679.7
12.5°	3834.1	3854.2	3829.1	3792.1	3763.6	3758.5	3750.2	3746.8	3745.1	3743.4
15°	3909.6	3926.4	3894.5	3850.9	3820.7	3812.3	3803.9	3808.9	3817.3	3827.4
17.5°	3968.4	3985.2	3938.2	3881.1	3852.6	3849.2	3844.2	3860.9	3884.5	3909.6
20°	4022.1	4038.9	3978.5	3901.2	3867.7	3867.7	3869.3	3904.6	3938.2	3975.1
22.5°	4097.6	4111.1	4037.2	3931.5	3882.8	3886.1	3899.6	3934.8	3976.8	4027.1
25°	4210.1	4220.2	4129.5	3988.5	3933.1	3943.2	3955.0	3971.7	4012.0	4070.8
27.5°	4391.4	4399.8	4280.6	4089.2	4005.3	4022.1	4038.9	4027.1	4045.6	4096.0
30°	4646.6	4651.6	4500.5	4247.0	4127.9	4136.3	4139.6	4090.9	4055.7	4096.0
32.5°	4948.7	4947.1	4767.4	4438.4	4267.2	4258.8	4230.3	4134.6	4052.3	4087.6
35°	5417.1	5398.6	5167.0	4707.0	4425.0	4372.9	4305.8	4183.3	4069.1	4079.2
37.5°	6192.6	6135.6	5814.9	5146.8	4660.0	4527.4	4428.3	4262.2	4106.0	4075.8
40°	7067.2	6995.0	6642.5	5749.5	5012.5	4799.3	4639.9	4374.6	4166.5	4090.9
42.5°	8104.6	8002.2	7622.9	6459.5	5459.0	5150.2	4910.1	4517.3	4255.4	4139.6
45°	9378.7	9242.8	8705.6	7260.3	6021.4	5610.1	5289.5	4733.9	4391.4	4233.6
47.5°	10666.3	10699.9	9936.1	8176.8	6696.2	6177.5	5764.6	5059.5	4589.5	4384.7
50°	12034.4	12057.9	11159.8	9192.4	7461.7	6818.8	6298.4	5423.8	4864.8	4599.6
52.5°	13102.0	13105.4	12271.1	10255.0	8259.1	7523.8	6874.2	5840.1	5183.7	4884.9
55°	13770.2	13761.8	13050.0	11260.5	9175.6	8264.1	7512.1	6313.5	5573.2	5220.7
57.5°	14255.3	14230.1	13587.2	12125.1	10152.6	9138.7	8233.9	6850.7	6033.2	5620.2
60°	14439.9	14424.8	13951.5	12872.1	11180.0	10105.6	9066.5	7451.6	6555.2	6091.9
62.5°	14510.5	14539.0	14309.0	13595.6	12279.5	11176.6	9981.4	8170.1	7142.8	6625.7
65°	14758.9	14810.9	14763.9	14542.3	13521.7	12430.6	11195.1	9024.5	7784.0	7198.2
67.5°	15250.7	15302.8	15322.9	15675.5	15039.2	13993.4	12709.2	10088.8	8534.4	7792.4
70°	15239.0	15223.9	15579.8	16576.9	16939.5	16157.2	14750.5	11398.2	9429.1	8285.9
72.5°	13870.9	13750.0	14591.0	16566.8	18520.8	18416.7	17243.3	13086.9	10201.3	8346.4
75°	10406.1	10083.8	11569.4	14930.1	18784.4	19699.2	18828.0	14134.4	10018.3	7374.4
77.5°	4450.2	4126.2	5877.0	11052.4	16811.9	18415.0	17374.3	12331.5	7997.2	4876.5
80°	1165.0	1163.3	1776.0	5010.8	11433.4	13598.9	11930.3	7963.6	4569.3	1742.5
82.5°	481.8	470.0	653.0	1948.9	5586.6	7631.2	6227.9	3552.1	1650.1	471.7
85°	179.6	177.9	317.3	673.1	1970.8	3147.5	2278.0	908.2	411.3	230.0
87.5°	50.4	48.7	68.8	233.3	480.1	728.5	389.5	149.4	115.8	90.6
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°
3619.2	0°	3619.2	3619.2	3619.2	3619.2	3619.2	3619.2	3619.2	3619.2	3619.2	3619.2
3625.9	2.5°	3631.0	3639.4	3654.5	3666.2	3681.3	3698.1	3721.6	3736.7	3751.8	3761.9
3634.3	5°	3646.1	3664.5	3703.2	3741.8	3787.1	3829.1	3877.7	3913.0	3941.5	3949.9
3664.5	7.5°	3679.7	3709.9	3775.3	3840.8	3913.0	3981.8	4052.3	4112.7	4161.4	4179.9
3718.3	10°	3738.4	3778.7	3871.0	3963.3	4059.0	4164.8	4255.4	4342.7	4411.6	4440.1
3782.1	12.5°	3812.3	3862.6	3983.5	4111.1	4243.7	4389.7	4507.2	4614.7	4700.3	4738.9
3871.0	15°	3908.0	3973.4	4127.9	4299.1	4493.8	4696.9	4846.3	4965.5	5061.2	5108.2
3963.3	17.5°	4012.0	4099.3	4294.0	4552.6	4831.2	5098.1	5272.7	5360.0	5459.0	5504.4
4049.0	20°	4112.7	4220.2	4498.8	4874.9	5245.9	5529.5	5670.6	5694.1	5700.8	5705.8
4129.5	22.5°	4216.8	4361.2	4755.7	5281.1	5679.0	5875.4	5895.5	5794.8	5653.8	5588.3
4208.4	25°	4331.0	4522.3	5091.4	5729.3	6051.6	6075.1	5920.7	5675.6	5408.7	5286.1
4272.2	27.5°	4441.8	4708.7	5494.3	6157.4	6320.2	6113.7	5781.4	5433.9	5111.6	4982.3
4317.5	30°	4552.6	4921.9	5939.1	6531.7	6442.7	6018.0	5561.4	5173.7	4849.7	4713.7
4357.8	32.5°	4665.0	5170.3	6451.1	6802.0	6420.9	5814.9	5287.8	4881.6	4596.2	4453.5
4393.1	35°	4792.6	5475.8	6936.3	6949.7	6274.9	5516.1	4926.9	4532.4	4284.0	4169.8
4435.1	37.5°	4958.8	5863.6	7364.3	6986.6	6019.7	5078.0	4478.7	4119.5	3914.7	3862.6
4497.2	40°	5165.3	6330.3	7691.7	6927.9	5642.0	4545.8	3988.5	3701.5	3585.6	3597.4
4581.1	42.5°	5433.9	6852.3	7921.7	6776.8	5116.6	3996.9	3558.8	3431.2	3486.6	3533.6
4707.0	45°	5783.0	7394.6	8064.3	6520.0	4522.3	3531.9	3305.3	3335.5	3377.5	3382.5
4910.1	47.5°	6229.6	7943.5	8158.4	6132.2	3916.3	3204.6	3144.2	3150.9	3142.5	3107.2
5214.0	50°	6786.9	8477.3	8242.3	5618.5	3401.0	2999.8	2919.2	2895.7	2779.9	2665.7
5618.5	52.5°	7421.4	8967.5	8277.5	4980.6	2999.8	2828.6	2697.6	2549.9	2333.4	2298.1
6127.2	55°	8126.5	9420.7	8186.9	4196.7	2662.4	2608.7	2410.6	2232.6	2209.1	2178.9
6796.9	57.5°	8969.2	9909.2	8002.2	3322.1	2316.6	2351.8	2158.8	2178.9	2137.0	2089.9
7658.1	60°	9890.7	10414.5	7678.3	2524.7	1959.0	2031.2	2093.3	2091.6	2079.9	2041.3
8566.3	62.5°	10720.0	10746.9	7040.4	1933.8	1645.1	1782.8	1952.3	1950.6	1940.5	1918.7
9514.7	65°	11213.5	10696.5	5976.1	1522.6	1386.6	1578.0	1760.9	1774.4	1776.0	1774.4
10228.2	67.5°	11126.2	10107.3	4515.6	1212.0	1173.4	1369.8	1571.2	1589.7	1603.1	1606.5
10318.8	70°	10139.2	8813.0	2944.4	966.9	983.7	1186.8	1391.6	1410.1	1421.8	1435.3
8954.0	72.5°	7903.2	6479.7	1685.4	782.3	817.5	1029.0	1213.7	1235.5	1242.2	1267.4
6231.2	75°	4816.1	3810.6	909.8	616.1	671.5	879.6	1037.4	1062.6	1074.4	1104.6
3060.2	77.5°	2289.7	1650.1	518.7	480.1	540.5	718.5	876.3	904.8	872.9	889.7
844.4	80°	773.9	612.7	327.3	366.0	413.0	560.7	701.7	730.2	663.1	659.7
280.3	82.5°	270.3	248.4	208.2	243.4	266.9	401.2	530.5	567.4	493.5	491.9
125.9	85°	105.8	100.7	115.8	132.6	159.5	246.8	349.2	367.6	303.8	245.1
36.9	87.5°	21.8	23.5	28.5	30.2	48.7	85.6	125.9	154.4	122.5	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°
3619.2
3755.2
3953.3
4181.6
4441.8
4738.9
5104.8
5502.7
5719.2
5606.8
5304.6
4997.4
4728.8
4472.0
4195.0
3899.6
3637.7
3577.3
3416.1
3134.1
2680.8
2309.9
2184.0
2081.6
2027.8
1910.3
1774.4
1609.8
1442.0
1277.5
1107.9
876.3
653.0
468.3
241.7
95.7
0.0

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