

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: P848768

Luminaire Tested: **GLAN-SB5C-727-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848768
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB5C-727-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33666 lumens
Efficiency: N/A
Efficacy: 134.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

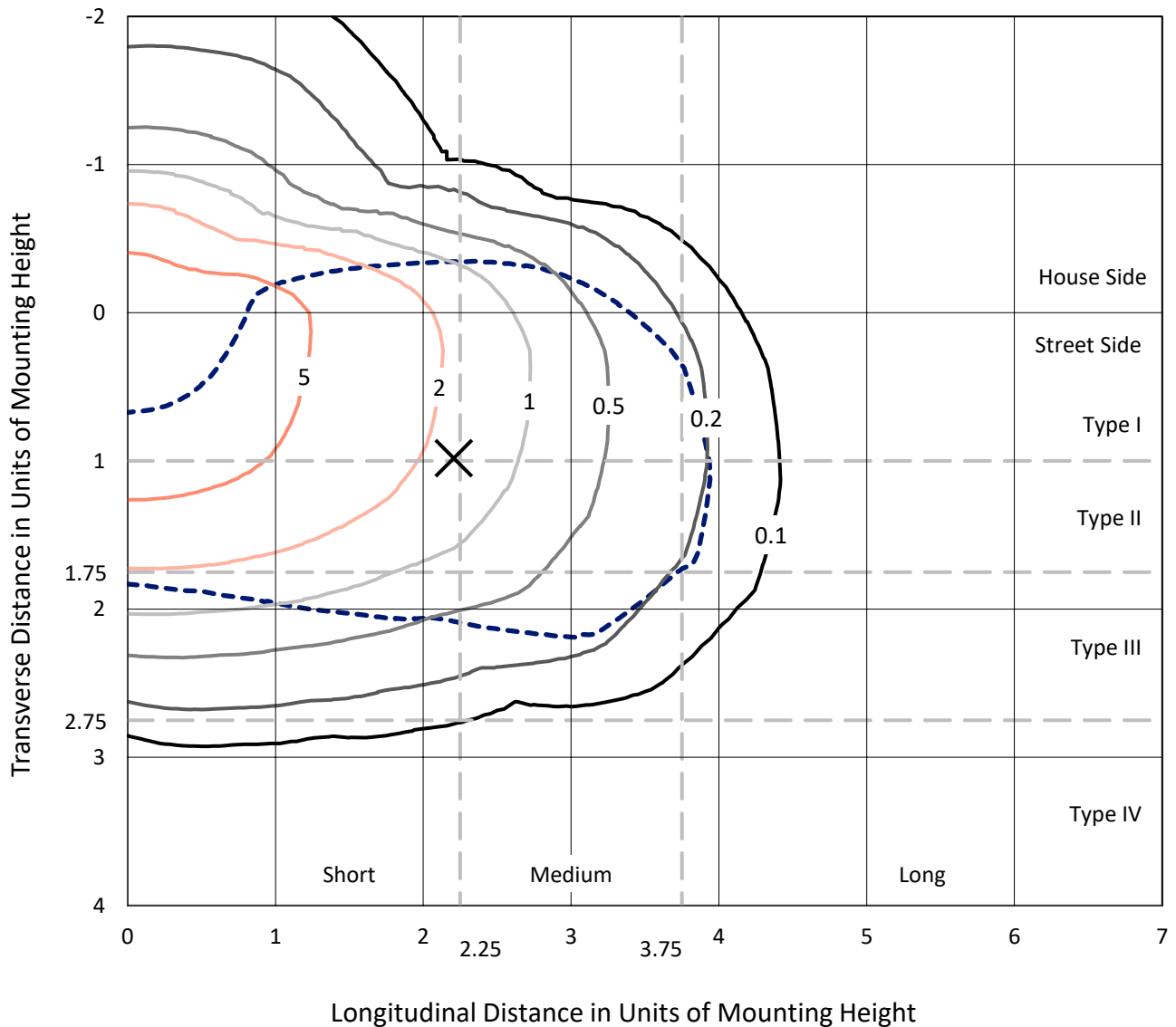
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

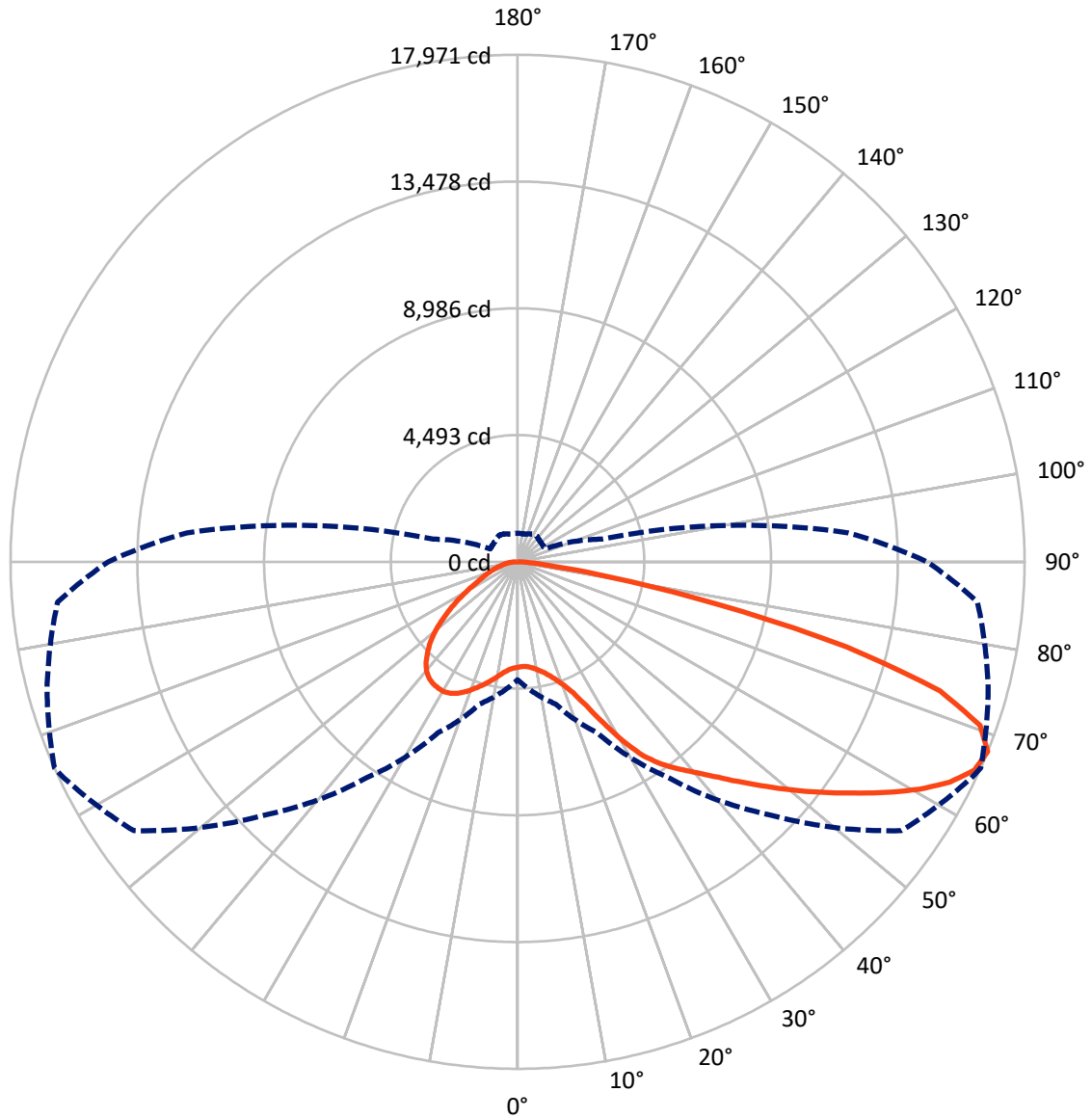
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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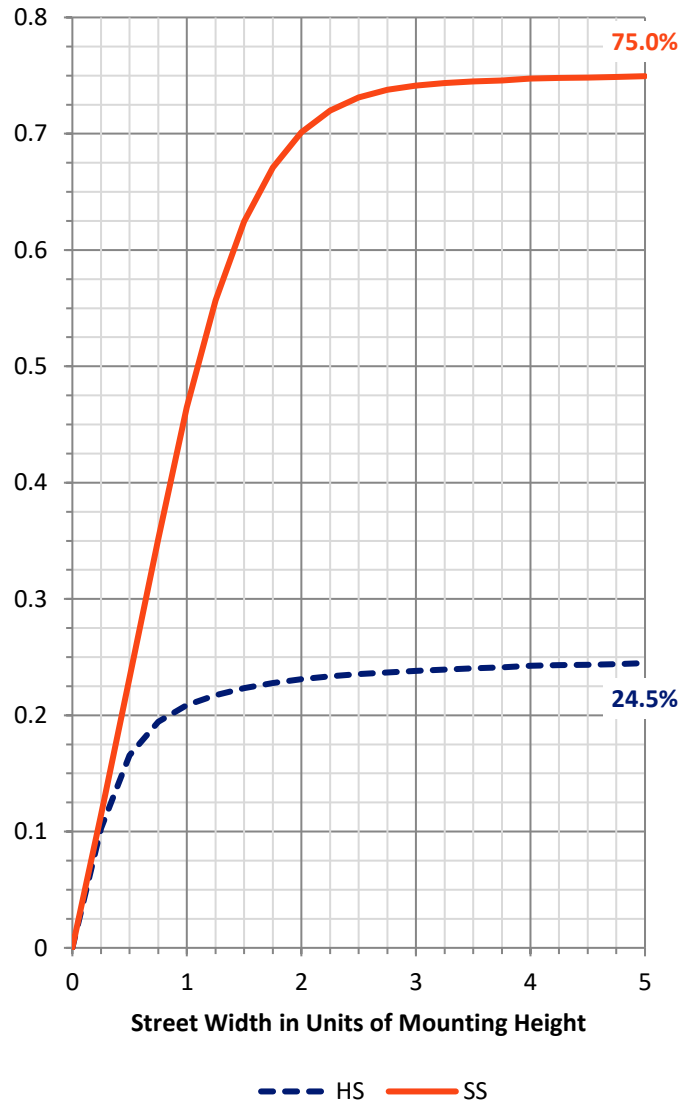
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8371.0	0.0	8371.0
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	25295.0	0.0	25295.0
	% Fixture	75.1	0.0	75.1
Total	Lumens	33666.0	0.0	33666.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	370.2	1.1
10°-20°	1223.1	3.6
20°-30°	2357.5	7.0
30°-40°	4133.6	12.3
40°-50°	6145.3	18.3
50°-60°	7789.8	23.1
60°-70°	7622.1	22.6
70°-80°	3635.8	10.8
80°-90°	388.6	1.2
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°	33666.0	100.0
0°-180°	33666.0	100.0

Coefficient of Utilization



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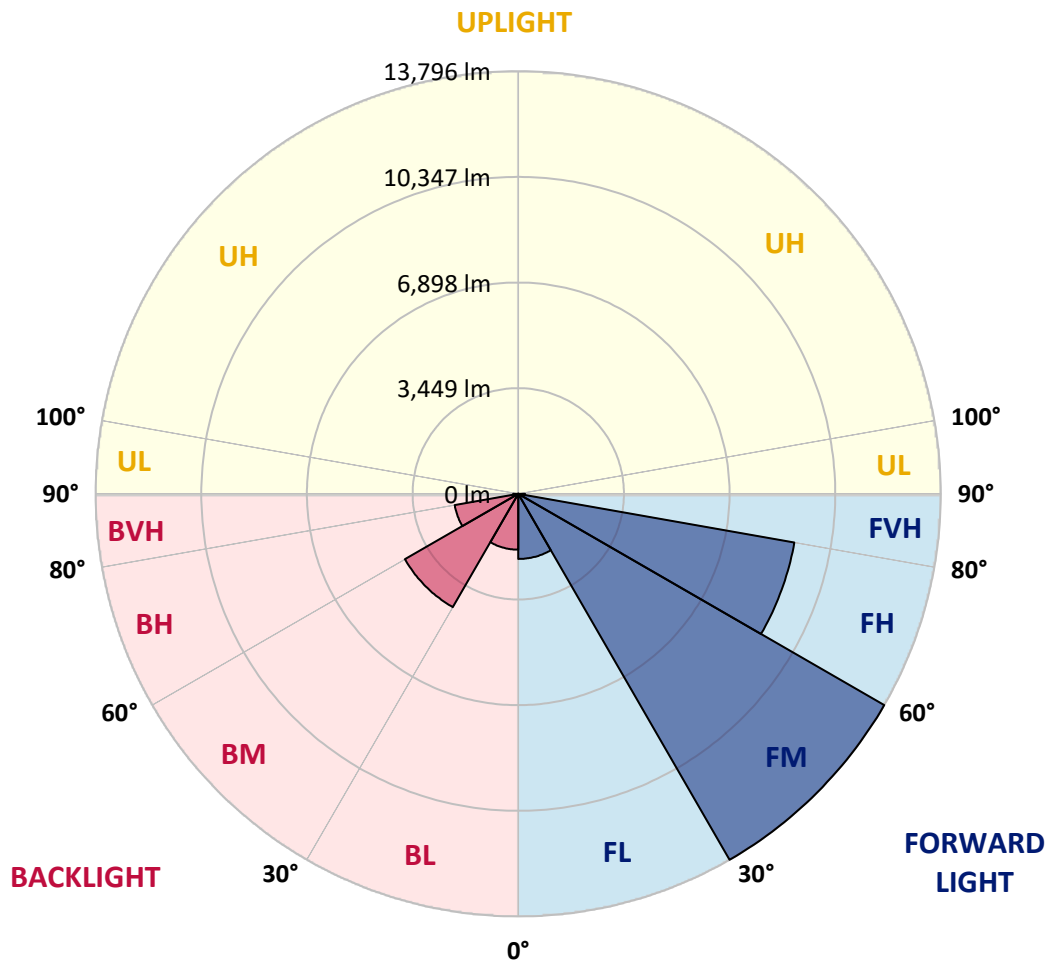
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2127.4	6.3			
FM (30°-60°)	13796.0	41.0			
FH (60°-80°)	9151.3	27.2			G4/12000
FVH (80°-90°)	220.3	0.7			G2/225
BL (0°-30°)	1823.5	5.4	B3/2500		
BM (30°-60°)	4272.6	12.7	B3/5000		
BH (60°-80°)	2106.6	6.3	B3/2500		G3/2500
BVH (80°-90°)	168.3	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	3734.0	3734.0	3734.0	3734.0	3734.0	3734.0	3734.0	3734.0	3734.0	3734.0
2.5°	3695.1	3716.3	3711.0	3702.2	3700.4	3703.9	3709.2	3714.5	3712.8	3721.6
5°	3684.5	3705.7	3703.9	3703.9	3711.0	3725.2	3734.0	3742.8	3734.0	3744.6
7.5°	3691.6	3707.5	3714.5	3721.6	3739.3	3765.8	3787.1	3806.5	3795.9	3808.3
10°	3781.8	3794.1	3801.2	3801.2	3813.6	3843.7	3864.9	3900.3	3891.4	3910.9
12.5°	3946.3	3958.6	3958.6	3951.6	3960.4	3979.9	3986.9	4025.9	4009.9	4041.8
15°	4147.9	4172.7	4153.2	4140.8	4144.4	4163.8	4162.1	4192.1	4176.2	4202.7
17.5°	4370.8	4402.6	4370.8	4369.0	4361.9	4383.2	4384.9	4411.5	4383.2	4402.6
20°	4634.3	4678.6	4652.0	4660.9	4645.0	4653.8	4662.6	4701.6	4657.3	4671.5
22.5°	5005.8	5058.9	5030.6	5064.2	5053.6	5046.5	5044.7	5113.7	5044.7	5050.0
25°	5547.1	5610.7	5561.2	5607.2	5607.2	5630.2	5656.7	5745.2	5630.2	5596.6
27.5°	6346.6	6410.2	6313.0	6341.3	6332.4	6389.0	6360.7	6580.1	6456.2	6401.4
30°	7308.8	7422.0	7238.1	7231.0	7222.1	7312.4	7353.0	7498.1	7372.5	7317.7
32.5°	8348.9	8467.4	8248.1	8184.4	8150.8	8205.6	8172.0	8288.7	8202.1	8117.2
35°	9449.1	9565.8	9357.1	9233.3	9098.9	8983.9	8863.6	8893.7	8812.3	8683.2
37.5°	10489.2	10703.2	10482.1	10349.4	10101.8	9877.2	9541.1	9401.3	9325.3	9206.8
40°	11548.7	11670.8	11502.7	11389.5	11120.6	10768.6	10230.9	9935.5	9832.9	9718.0
42.5°	12328.8	12445.5	12355.3	12277.5	12067.0	11658.4	10963.2	10593.5	10445.0	10315.8
45°	12947.9	13034.5	12977.9	13006.2	12916.0	12519.8	11722.0	11299.3	11145.4	10988.0
47.5°	13197.3	13289.2	13379.4	13547.5	13701.4	13409.5	12537.5	12063.4	11900.7	11739.7
50°	13169.0	13262.7	13524.5	13881.8	14359.4	14262.1	13397.1	12877.1	12726.7	12542.8
52.5°	12942.5	13048.7	13384.8	13979.1	14739.7	14900.6	14272.7	13717.3	13575.8	13356.5
55°	12348.2	12411.9	12916.0	13758.0	14829.9	15346.4	15130.6	14612.3	14470.8	14164.8
57.5°	11246.2	11338.2	12072.3	13161.9	14603.5	15648.9	15884.1	15553.3	15417.1	14976.7
60°	9808.2	9955.0	10795.2	12160.7	14026.8	15647.1	16568.6	16478.4	16365.2	15776.2
62.5°	8180.8	8350.7	9159.0	10745.7	13018.6	15203.1	16996.7	17253.2	17194.8	16513.8
65°	6282.9	6399.6	7204.5	8914.9	11449.6	14249.7	17046.2	17782.1	17792.7	17074.5
67.5°	4183.3	4519.4	5218.1	6689.7	9348.3	12691.4	16611.1	17868.7	17971.3	17267.3
70°	2041.2	2483.4	3168.0	4347.8	6689.7	10301.7	15473.7	17157.7	17385.8	16704.8
72.5°	847.3	990.5	1363.8	2145.6	3840.1	6951.5	13188.4	15229.6	15652.4	14801.6
75°	571.3	619.1	780.1	1100.2	1749.4	3428.0	9511.0	11355.9	12036.9	11179.0
77.5°	440.4	470.5	567.8	769.4	1040.1	1296.6	5090.7	6843.6	7195.6	6661.4
80°	346.7	369.7	424.5	560.7	737.6	693.4	1735.2	3100.8	3304.2	2771.8
82.5°	300.7	309.5	304.2	380.3	490.0	405.1	569.6	1144.4	1262.9	916.3
85°	217.6	242.3	252.9	235.3	260.0	205.2	233.5	405.1	445.7	398.0
87.5°	88.4	130.9	161.0	152.1	95.5	58.4	72.5	118.5	136.2	148.6
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°
3734.0	0°	3734.0	3734.0	3734.0	3734.0	3734.0	3734.0	3734.0	3734.0	3734.0	3734.0
3735.8	2.5°	3737.5	3749.9	3758.8	3769.4	3776.5	3787.1	3808.3	3820.7	3822.4	3831.3
3764.1	5°	3771.1	3788.8	3808.3	3836.6	3868.4	3895.0	3935.7	3964.0	3974.6	3983.4
3833.1	7.5°	3843.7	3868.4	3903.8	3953.3	3999.3	4034.7	4084.2	4117.8	4151.4	4163.8
3942.7	10°	3951.6	3986.9	4038.2	4105.5	4155.0	4201.0	4252.3	4280.6	4314.2	4328.3
4073.6	12.5°	4086.0	4123.1	4190.4	4284.1	4330.1	4361.9	4379.6	4372.6	4379.6	4392.0
4231.0	15°	4239.9	4280.6	4356.6	4457.5	4489.3	4461.0	4422.1	4386.7	4381.4	4384.9
4422.1	17.5°	4422.1	4452.2	4540.6	4625.5	4602.5	4485.8	4400.9	4344.3	4316.0	4307.1
4666.2	20°	4676.8	4676.8	4749.3	4802.4	4648.5	4450.4	4317.7	4225.7	4167.4	4142.6
4998.7	22.5°	4986.3	4958.0	5004.0	4966.9	4639.6	4351.3	4167.4	4008.2	3919.7	3884.4
5463.9	25°	5379.0	5345.4	5333.0	5103.1	4576.0	4193.9	3895.0	3702.2	3624.3	3604.9
6134.3	27.5°	5971.6	5886.7	5725.7	5177.4	4459.2	3946.3	3576.6	3397.9	3353.7	3355.5
6995.7	30°	6760.5	6590.7	6196.2	5189.8	4268.2	3596.0	3251.1	3123.8	3102.5	3111.4
7719.2	32.5°	7491.0	7330.0	6677.3	5133.2	3974.6	3252.9	2959.3	2874.4	2842.5	2853.1
8271.1	35°	8064.1	8019.9	7123.1	5053.6	3613.7	2931.0	2697.5	2624.9	2563.0	2548.9
8791.1	37.5°	8605.4	8587.7	7457.4	4942.1	3256.4	2702.8	2487.0	2391.5	2301.3	2251.7
9366.0	40°	9199.7	9182.0	7676.7	4770.5	2939.8	2504.7	2297.7	2172.1	2060.7	1970.5
10016.9	42.5°	9868.3	9764.0	7781.1	4524.7	2670.9	2336.6	2143.8	1974.0	1827.2	1744.1
10752.7	45°	10598.8	10363.6	7779.3	4211.6	2444.5	2182.7	1979.3	1738.8	1602.6	1524.7
11508.0	47.5°	11373.6	10936.7	7683.8	3864.9	2225.2	2012.9	1724.6	1540.7	1450.4	1402.7
12328.8	50°	12173.1	11472.6	7521.1	3466.9	2000.5	1820.1	1565.4	1439.8	1370.8	1326.6
13142.4	52.5°	12924.9	11959.1	7324.7	3015.9	1772.4	1632.6	1494.7	1397.4	1324.9	1275.3
13931.3	55°	13623.5	12378.3	7047.0	2554.2	1586.6	1507.0	1461.1	1379.7	1296.6	1238.2
14732.6	57.5°	14244.4	12650.7	6567.7	2120.8	1454.0	1420.4	1425.7	1349.6	1254.1	1204.6
15521.5	60°	14760.9	12850.6	5858.4	1719.3	1346.1	1335.5	1370.8	1293.0	1181.6	1125.0
16188.4	62.5°	15070.4	12847.0	4988.1	1408.0	1254.1	1257.6	1298.3	1222.3	1109.1	1056.0
16536.8	65°	15043.9	12532.2	4032.9	1204.6	1165.7	1169.2	1222.3	1144.4	1048.9	1017.1
16361.7	67.5°	14511.5	11764.5	3093.7	1071.9	1068.4	1084.3	1146.2	1091.4	1011.8	1008.2
15318.1	70°	13069.9	10170.8	2228.7	965.8	967.6	990.5	1071.9	1057.8	992.3	999.4
12878.9	72.5°	10480.3	7754.6	1496.4	854.3	856.1	893.3	1001.2	1031.2	972.9	1066.6
9137.8	75°	6979.8	4836.0	962.2	735.8	737.6	785.4	939.2	979.9	919.8	1063.1
4754.6	77.5°	3353.7	2173.9	696.9	619.1	619.1	663.3	811.9	877.3	783.6	826.0
1528.3	80°	1158.6	817.2	548.3	498.8	488.2	518.3	684.5	760.6	675.7	622.6
498.8	82.5°	456.4	424.5	440.4	387.4	352.0	371.5	532.4	627.9	497.0	449.3
281.2	85°	261.8	275.9	311.3	256.5	203.4	228.2	390.9	451.1	375.0	330.8
92.0	87.5°	70.8	97.3	143.3	132.7	92.0	97.3	185.7	249.4	215.8	166.3
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°
3734.0
3829.5
3981.6
4165.6
4335.4
4395.5
4397.3
4319.5
4137.3
3879.0
3608.4
3360.8
3141.4
2867.3
2559.5
2253.5
1979.3
1749.4
1521.2
1392.1
1310.7
1254.1
1215.2
1172.7
1100.2
1040.1
1015.3
1013.5
997.6
1080.8
1071.9
757.1
583.7
447.5
337.8
171.6
0.0

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