

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: P850118

Luminaire Tested: **GLAN-SB7C-722-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850118
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-SB7C-722-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 41676 lumens
Efficiency: N/A
Efficacy: 118.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G4

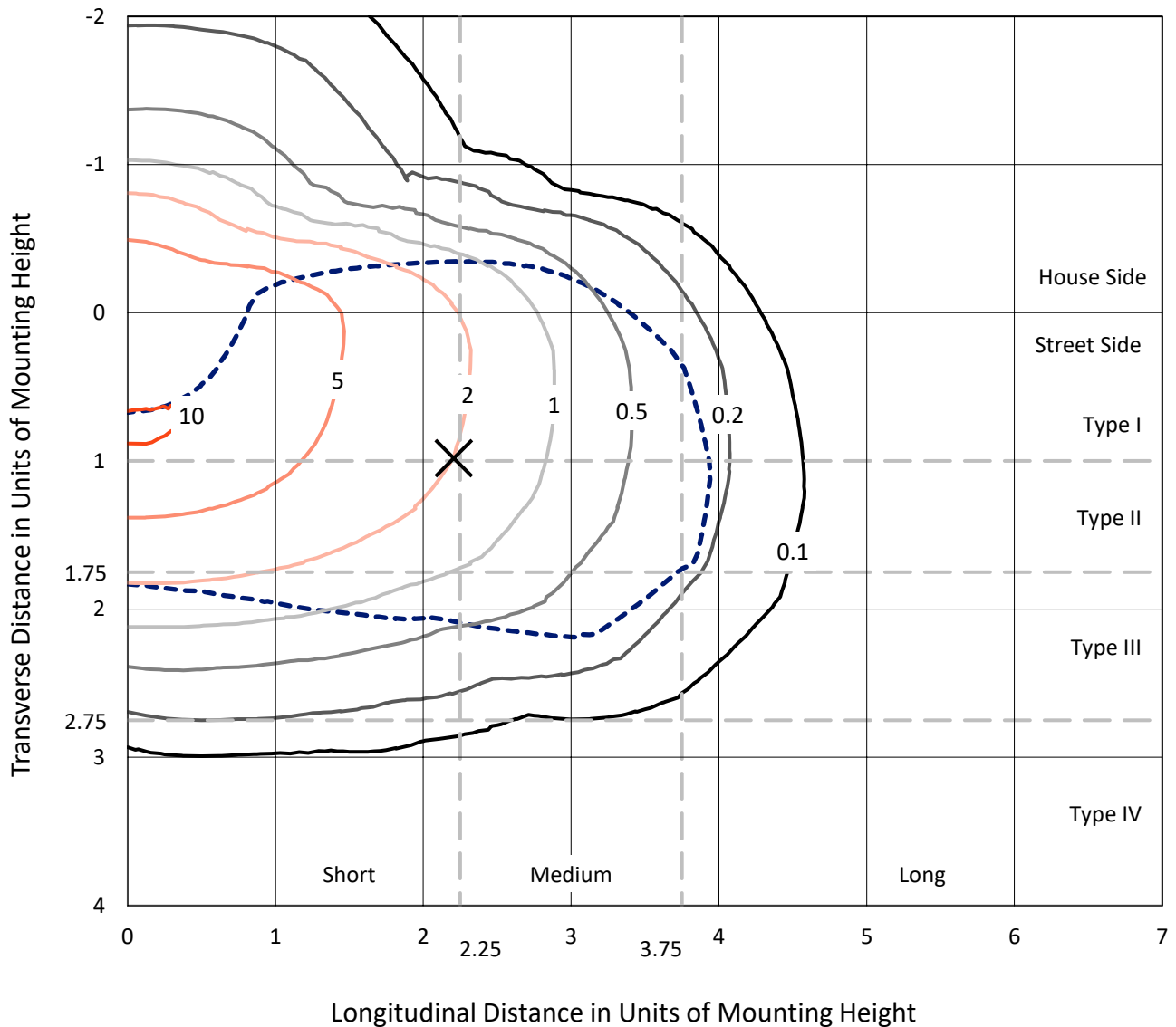
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

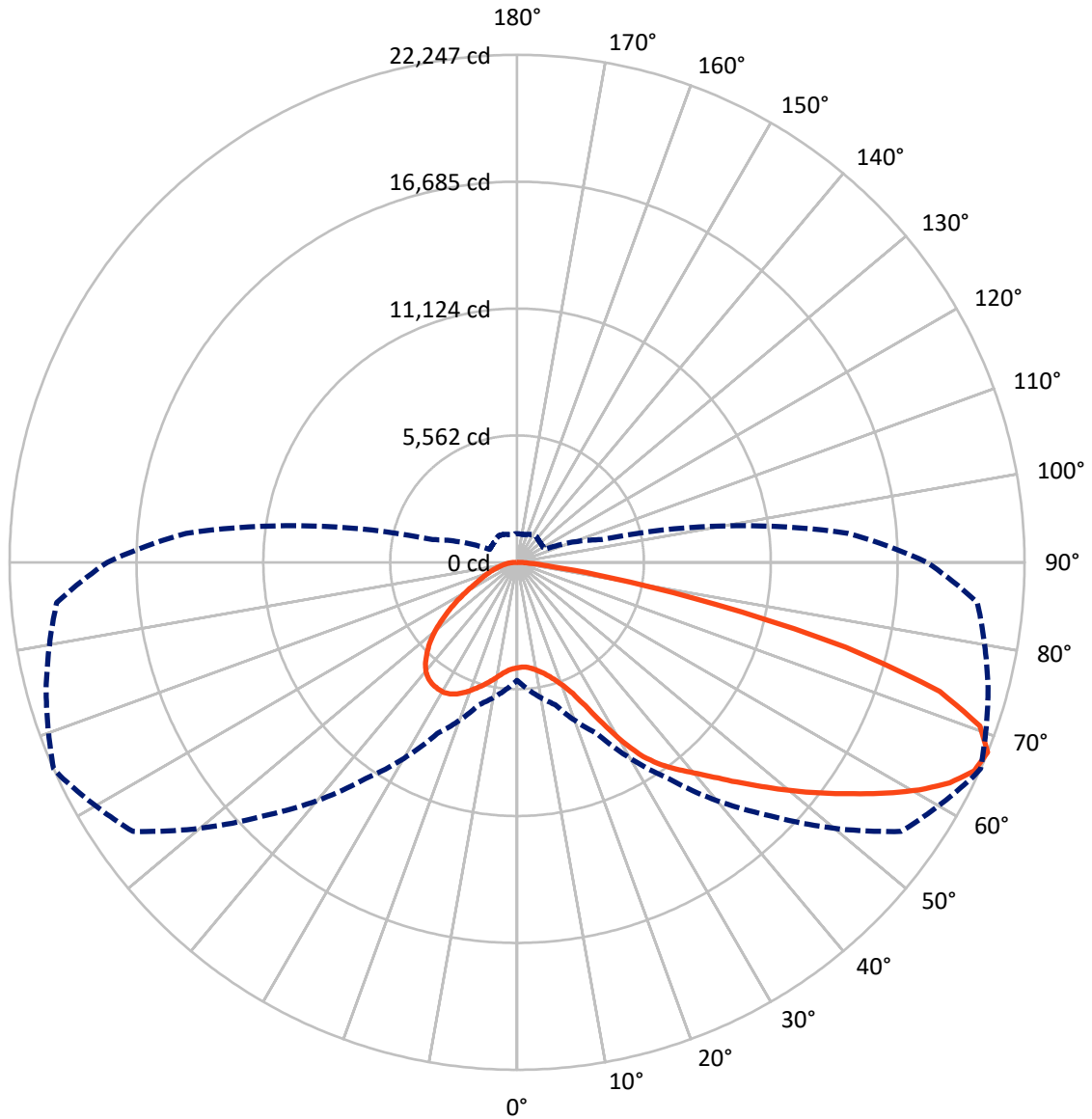
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.5 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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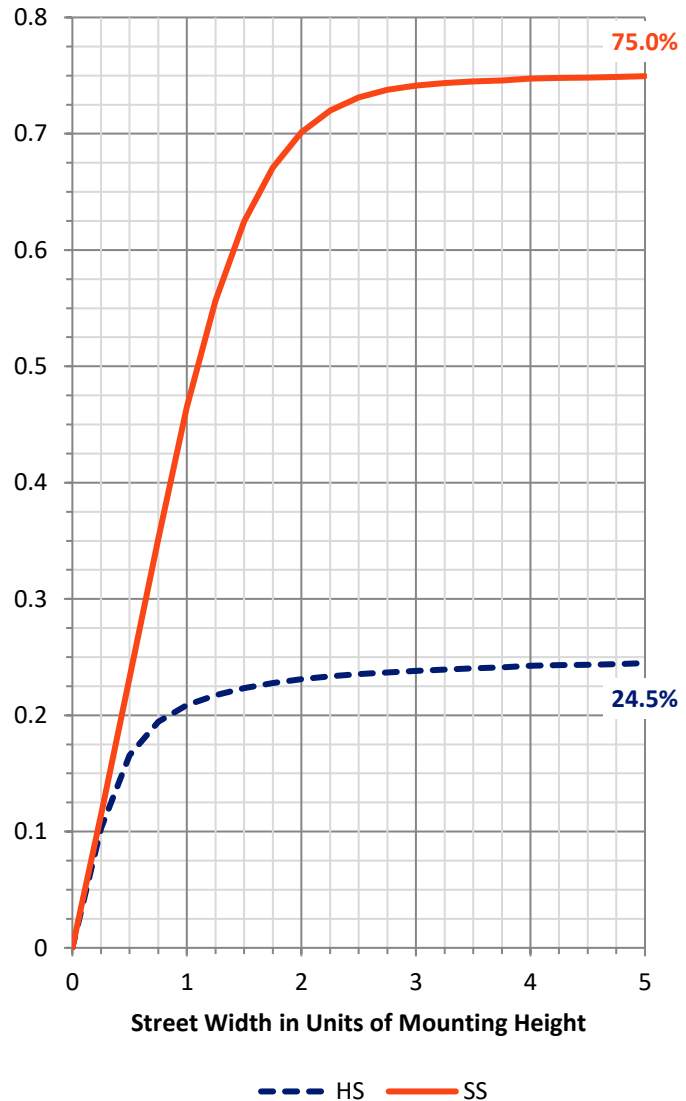
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10362.6	0.0	10362.6
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	31313.4	0.0	31313.4
	% Fixture	75.1	0.0	75.1
Total	Lumens	41676.0	0.0	41676.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	458.3	1.1
10°-20°	1514.1	3.6
20°-30°	2918.4	7.0
30°-40°	5117.1	12.3
40°-50°	7607.4	18.3
50°-60°	9643.2	23.1
60°-70°	9435.6	22.6
70°-80°	4500.9	10.8
80°-90°	481.0	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°	41676.0	100.0
0°-180°	41676.0	100.0

Coefficient of Utilization

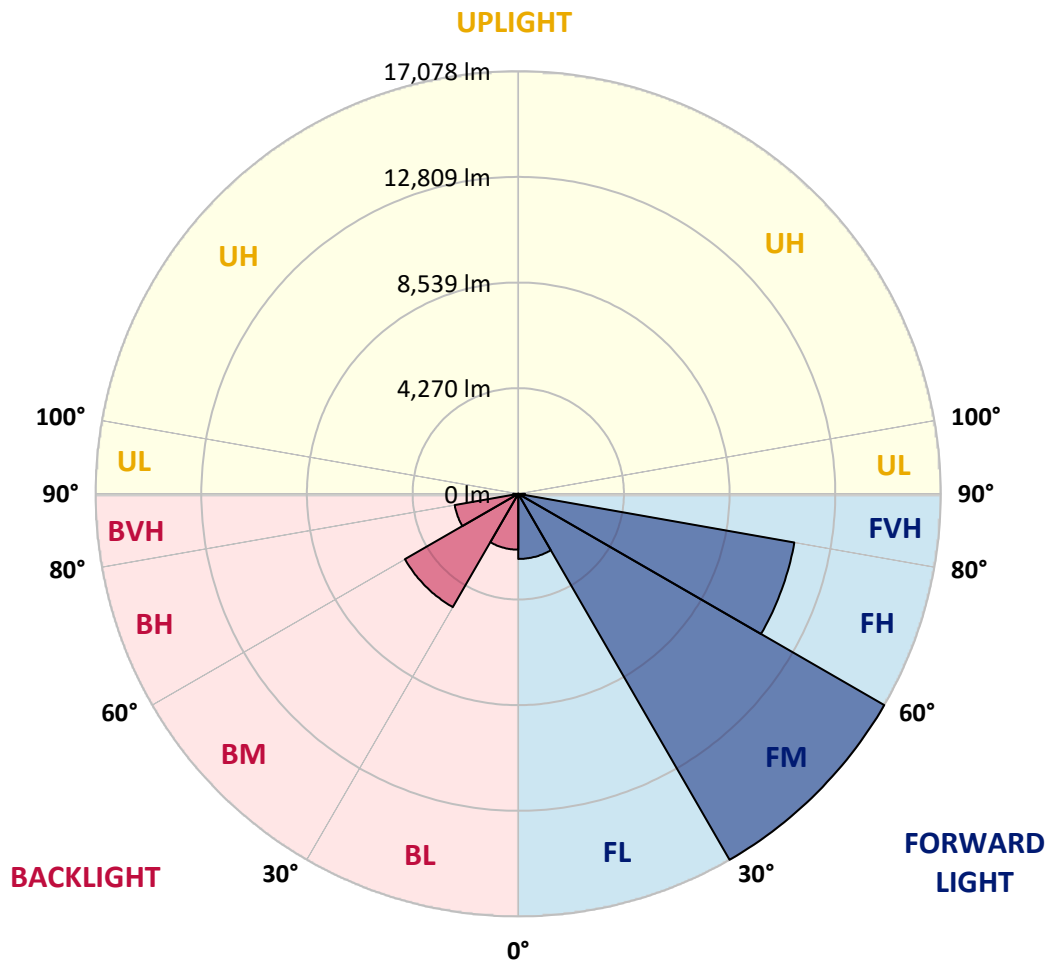


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2633.5	6.3			
FM (30°-60°)	17078.5	41.0			
FH (60°-80°)	11328.7	27.2			G4/12000
FVH (80°-90°)	272.7	0.7			G3/500
BL (0°-30°)	2257.4	5.4	B3/2500		
BM (30°-60°)	5289.2	12.7	B4/8500		
BH (60°-80°)	2607.8	6.3	B4/5000		G4/5000
BVH (80°-90°)	208.3	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4
 Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	4622.4	4622.4	4622.4	4622.4	4622.4	4622.4	4622.4	4622.4	4622.4	4622.4
2.5°	4574.2	4600.5	4594.0	4583.0	4580.8	4585.2	4591.8	4598.3	4596.1	4607.1
5°	4561.1	4587.4	4585.2	4585.2	4594.0	4611.5	4622.4	4633.4	4622.4	4635.6
7.5°	4569.9	4589.6	4598.3	4607.1	4629.0	4661.8	4688.1	4712.2	4699.1	4714.4
10°	4681.5	4696.9	4705.6	4705.6	4721.0	4758.2	4784.5	4828.2	4817.3	4841.4
12.5°	4885.2	4900.5	4900.5	4891.8	4902.7	4926.8	4935.5	4983.7	4964.0	5003.4
15°	5134.8	5165.5	5141.4	5126.0	5130.4	5154.5	5152.3	5189.5	5169.8	5202.7
17.5°	5410.7	5450.1	5410.7	5408.5	5399.8	5426.0	5428.2	5461.1	5426.0	5450.1
20°	5737.0	5791.7	5758.9	5769.8	5750.1	5761.1	5772.0	5820.2	5765.4	5783.0
22.5°	6196.8	6262.5	6227.5	6269.1	6255.9	6247.2	6245.0	6330.4	6245.0	6251.5
25°	6866.8	6945.7	6884.4	6941.3	6941.3	6969.8	7002.6	7112.1	6969.8	6928.2
27.5°	7856.6	7935.4	7815.0	7850.0	7839.1	7909.1	7874.1	8145.6	7992.3	7924.5
30°	9047.8	9187.9	8960.2	8951.4	8940.5	9052.1	9102.5	9282.1	9126.6	9058.7
32.5°	10335.3	10482.0	10210.5	10131.7	10090.1	10157.9	10116.3	10260.9	10153.6	10048.5
35°	11697.3	11841.8	11583.4	11430.1	11263.7	11121.4	10972.5	11009.7	10909.0	10749.2
37.5°	12984.8	13249.8	12976.1	12811.8	12505.3	12227.2	11811.1	11638.2	11544.0	11397.3
40°	14296.4	14447.5	14239.5	14099.4	13766.5	13330.8	12665.1	12299.4	12172.4	12030.1
42.5°	15262.1	15406.6	15294.9	15198.6	14938.0	14432.2	13571.7	13114.0	12930.1	12770.2
45°	16028.5	16135.8	16065.7	16100.7	15989.1	15498.6	14511.0	13987.7	13797.2	13602.3
47.5°	16337.2	16451.1	16562.8	16770.8	16961.3	16600.0	15520.5	14933.6	14732.2	14532.9
50°	16302.2	16418.2	16742.3	17184.6	17775.8	17655.4	16584.7	15940.9	15754.8	15527.0
52.5°	16021.9	16153.3	16569.3	17305.1	18246.6	18445.9	17668.5	16981.0	16805.8	16534.3
55°	15286.2	15365.0	15989.1	17031.3	18358.3	18997.7	18730.5	18089.0	17913.8	17535.0
57.5°	13922.0	14035.9	14944.6	16293.4	18078.0	19372.1	19663.3	19253.9	19085.3	18540.0
60°	12141.8	12323.5	13363.6	15054.1	17364.2	19369.9	20510.8	20399.1	20258.9	19529.8
62.5°	10127.3	10337.5	11338.2	13302.3	16116.1	18820.3	21040.7	21358.2	21285.9	20442.9
65°	7777.8	7922.3	8918.6	11036.0	14173.8	17640.1	21102.0	22012.9	22026.0	21137.0
67.5°	5178.6	5594.6	6459.6	8281.4	11572.5	15711.0	20563.3	22120.2	22247.2	21375.7
70°	2526.9	3074.3	3921.7	5382.2	8281.4	12752.7	19155.3	21239.9	21522.4	20679.4
72.5°	1048.9	1226.2	1688.2	2656.1	4753.8	8605.5	16326.3	18853.2	19376.5	18323.3
75°	707.3	766.4	965.6	1362.0	2165.6	4243.6	11773.9	14057.8	14900.8	13838.8
77.5°	545.2	582.5	702.9	952.5	1287.5	1605.0	6301.9	8471.9	8907.6	8246.3
80°	429.2	457.6	525.5	694.1	913.1	858.4	2148.1	3838.5	4090.3	3431.2
82.5°	372.2	383.2	376.6	470.8	606.5	501.4	705.1	1416.7	1563.4	1134.3
85°	269.3	300.0	313.1	291.2	321.9	254.0	289.0	501.4	551.8	492.7
87.5°	109.5	162.0	199.3	188.3	118.2	72.3	89.8	146.7	168.6	183.9
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°
4622.4	0°	4622.4	4622.4	4622.4	4622.4	4622.4	4622.4	4622.4	4622.4	4622.4	4622.4
4624.6	2.5°	4626.8	4642.1	4653.1	4666.2	4675.0	4688.1	4714.4	4729.7	4731.9	4742.9
4659.6	5°	4668.4	4690.3	4714.4	4749.4	4788.8	4821.7	4872.0	4907.1	4920.2	4931.2
4745.0	7.5°	4758.2	4788.8	4832.6	4893.9	4950.9	4994.7	5056.0	5097.6	5139.2	5154.5
4880.8	10°	4891.8	4935.5	4999.0	5082.3	5143.6	5200.5	5264.0	5299.0	5340.6	5358.2
5042.8	12.5°	5058.2	5104.1	5187.4	5303.4	5360.3	5399.8	5421.7	5412.9	5421.7	5437.0
5237.7	15°	5248.7	5299.0	5393.2	5518.0	5557.4	5522.4	5474.2	5430.4	5423.8	5428.2
5474.2	17.5°	5474.2	5511.4	5620.9	5726.0	5697.6	5553.0	5447.9	5377.9	5342.8	5331.9
5776.4	20°	5789.5	5789.5	5879.3	5945.0	5754.5	5509.2	5345.0	5231.2	5158.9	5128.2
6188.0	22.5°	6172.7	6137.7	6194.6	6148.6	5743.5	5386.6	5158.9	4961.8	4852.3	4808.5
6763.9	25°	6658.8	6617.2	6601.9	6317.2	5664.7	5191.7	4821.7	4583.0	4486.7	4462.6
7593.8	27.5°	7392.4	7287.3	7088.0	6409.2	5520.2	4885.2	4427.5	4206.4	4151.6	4153.8
8660.2	30°	8369.0	8158.8	7670.5	6424.5	5283.7	4451.6	4024.6	3867.0	3840.7	3851.7
9555.8	32.5°	9273.3	9074.0	8266.1	6354.5	4920.2	4026.8	3663.3	3558.2	3518.8	3532.0
10239.0	35°	9982.8	9928.0	8817.9	6255.9	4473.5	3628.3	3339.3	3249.5	3172.8	3155.3
10882.7	37.5°	10652.8	10630.9	9231.7	6118.0	4031.2	3345.8	3078.7	2960.5	2848.8	2787.5
11594.4	40°	11388.5	11366.6	9503.2	5905.6	3639.3	3100.6	2844.4	2688.9	2551.0	2439.3
12400.2	42.5°	12216.2	12087.0	9632.4	5601.2	3306.4	2892.6	2653.9	2443.7	2261.9	2159.0
13311.1	45°	13120.6	12829.3	9630.2	5213.6	3026.1	2702.1	2450.3	2152.5	1983.9	1887.5
14246.1	47.5°	14079.7	13538.8	9512.0	4784.5	2754.6	2491.9	2134.9	1907.2	1795.5	1736.4
15262.1	50°	15069.4	14202.3	9310.5	4291.8	2476.5	2253.2	1937.9	1782.4	1697.0	1642.3
16269.3	52.5°	16000.0	14804.4	9067.5	3733.4	2194.1	2021.1	1850.3	1729.8	1640.1	1578.8
17245.9	55°	16864.9	15323.4	8723.7	3161.9	1964.1	1865.6	1808.7	1708.0	1605.0	1532.8
18237.9	57.5°	17633.5	15660.6	8130.3	2625.4	1799.9	1758.3	1764.9	1670.7	1552.5	1491.2
19214.5	60°	18272.9	15908.0	7252.2	2128.4	1666.3	1653.2	1697.0	1600.7	1462.7	1392.6
20040.0	62.5°	18656.1	15903.7	6174.9	1743.0	1552.5	1556.9	1607.2	1513.1	1372.9	1307.2
20471.3	65°	18623.2	15513.9	4992.5	1491.2	1443.0	1447.4	1513.1	1416.7	1298.5	1259.1
20254.6	67.5°	17964.2	14563.6	3829.8	1326.9	1322.6	1342.3	1418.9	1351.0	1252.5	1248.1
18962.6	70°	16179.6	12590.7	2759.0	1195.6	1197.8	1226.2	1326.9	1309.4	1228.4	1237.2
15943.1	72.5°	12973.9	9599.6	1852.5	1057.6	1059.8	1105.8	1239.4	1276.6	1204.3	1320.4
11311.9	75°	8640.5	5986.6	1191.2	910.9	913.1	972.2	1162.7	1213.1	1138.6	1316.0
5885.9	77.5°	4151.6	2691.1	862.7	766.4	766.4	821.1	1005.1	1086.1	970.0	1022.6
1891.9	80°	1434.2	1011.6	678.8	617.5	604.4	641.6	847.4	941.6	836.5	770.8
617.5	82.5°	564.9	525.5	545.2	479.5	435.7	459.8	659.1	777.3	615.3	556.2
348.2	85°	324.1	341.6	385.4	317.5	251.8	282.5	483.9	558.4	464.2	409.5
113.9	87.5°	87.6	120.4	177.4	164.2	113.9	120.4	229.9	308.7	267.1	205.8
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°
4622.4
4740.7
4929.0
5156.7
5366.9
5441.4
5443.5
5347.2
5121.7
4802.0
4467.0
4160.4
3888.9
3549.5
3168.5
2789.7
2450.3
2165.6
1883.1
1723.3
1622.6
1552.5
1504.3
1451.8
1362.0
1287.5
1256.9
1254.7
1235.0
1337.9
1326.9
937.2
722.6
554.0
418.2
212.4
0.0

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