

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: P851418

Luminaire Tested: **GLAN-SB9B-850-U-T3**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P851418  
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-SB9B-850-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 80 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 44069 lumens  
Efficiency: N/A  
Efficacy: 133.7 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

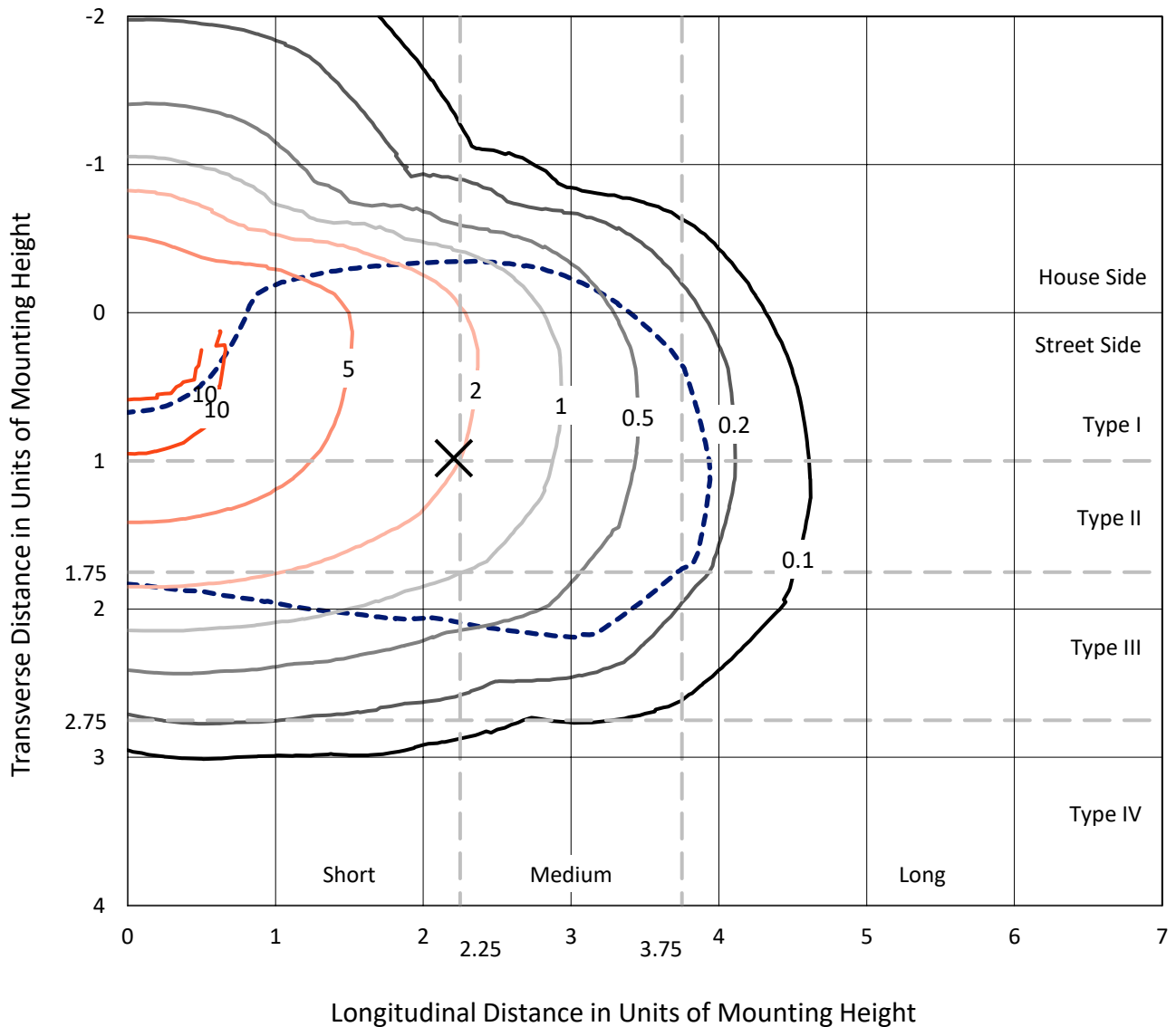
Input Watts (W): 329.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

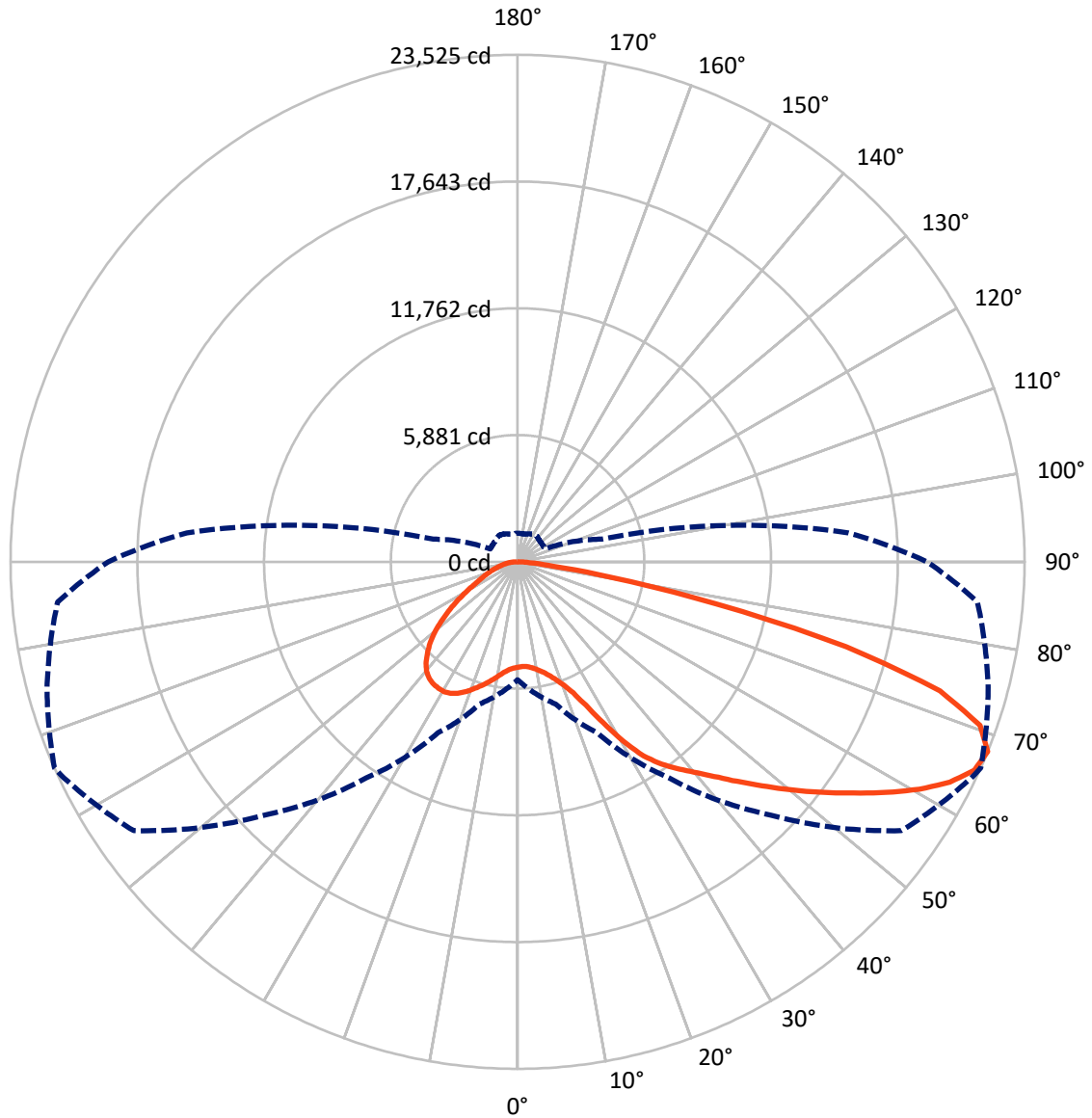
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.1 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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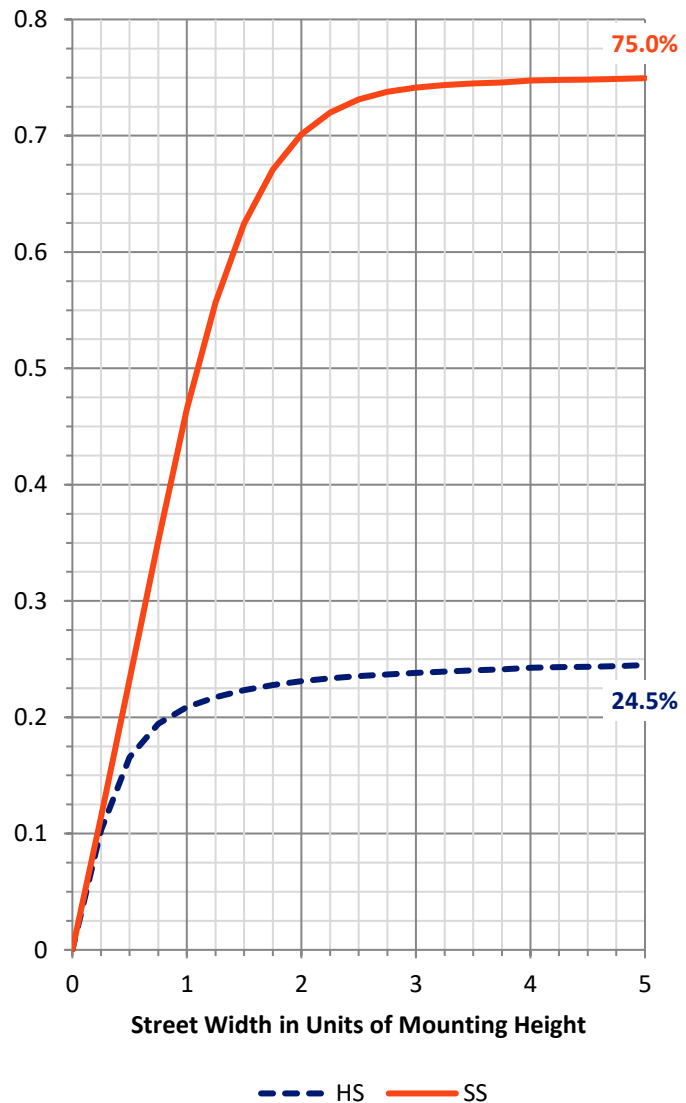
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10957.6	0.0	10957.6
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	33111.4	0.0	33111.4
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	44069.0	0.0	44069.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	484.6	1.1
10°-20°	1601.1	3.6
20°-30°	3086.0	7.0
30°-40°	5410.9	12.3
40°-50°	8044.2	18.3
50°-60°	10196.9	23.1
60°-70°	9977.4	22.6
70°-80°	4759.3	10.8
80°-90°	508.6	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°	44069.0	100.0
0°-180°	44069.0	100.0

**Coefficient of Utilization**



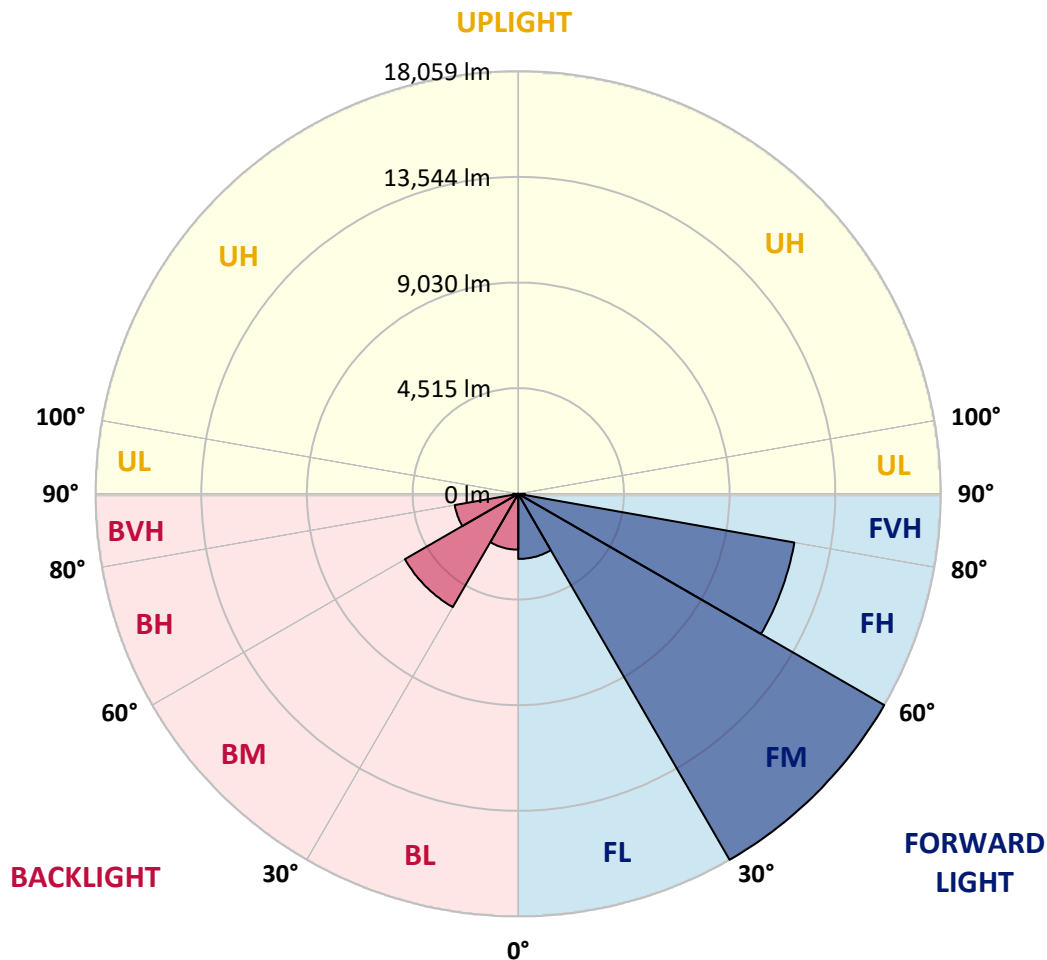
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2784.7	6.3			
FM (30°-60°)	18059.1	41.0			
FH (60°-80°)	11979.2	27.2			G4/12000
FVH (80°-90°)	288.4	0.7			G3/500
BL (0°-30°)	2387.0	5.4	B3/2500		
BM (30°-60°)	5592.9	12.7	B4/8500		
BH (60°-80°)	2757.5	6.3	B4/5000		G4/5000
BVH (80°-90°)	220.3	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°	4887.8	4887.8	4887.8	4887.8	4887.8	4887.8	4887.8	4887.8	4887.8	4887.8
2.5°	4836.9	4864.7	4857.7	4846.2	4843.8	4848.5	4855.4	4862.4	4860.0	4871.6
5°	4823.0	4850.8	4848.5	4848.5	4857.7	4876.3	4887.8	4899.4	4887.8	4901.7
7.5°	4832.3	4853.1	4862.4	4871.6	4894.8	4929.5	4957.3	4982.8	4968.9	4985.1
10°	4950.4	4966.6	4975.8	4975.8	4992.0	5031.4	5059.2	5105.5	5093.9	5119.4
12.5°	5165.7	5181.9	5181.9	5172.6	5184.2	5209.7	5218.9	5269.9	5249.0	5290.7
15°	5429.6	5462.1	5436.6	5420.4	5425.0	5450.5	5448.2	5487.5	5466.7	5501.4
17.5°	5721.4	5763.1	5721.4	5719.1	5709.8	5737.6	5739.9	5774.6	5737.6	5763.1
20°	6066.4	6124.3	6089.5	6101.1	6080.3	6091.8	6103.4	6154.4	6096.5	6115.0
22.5°	6552.6	6622.1	6585.0	6629.0	6615.1	6605.9	6603.6	6693.9	6603.6	6610.5
25°	7261.1	7344.5	7279.7	7339.9	7339.9	7370.0	7404.7	7520.5	7370.0	7326.0
27.5°	8307.7	8391.1	8263.7	8300.8	8289.2	8363.3	8326.2	8613.3	8451.3	8379.5
30°	9567.3	9715.5	9474.7	9465.4	9453.8	9571.9	9625.2	9815.0	9650.6	9578.9
32.5°	10928.7	11083.9	10796.8	10713.4	10669.4	10741.2	10697.2	10850.0	10736.6	10625.4
35°	12368.9	12521.7	12248.5	12086.5	11910.5	11760.0	11602.5	11641.9	11535.4	11366.4
37.5°	13730.4	14010.6	13721.1	13547.5	13223.3	12929.3	12489.3	12306.4	12206.9	12051.7
40°	15117.3	15277.1	15057.1	14908.9	14557.0	14096.2	13392.3	13005.7	12871.4	12720.9
42.5°	16138.4	16291.2	16173.2	16071.3	15795.7	15260.9	14350.9	13867.0	13672.5	13503.5
45°	16948.8	17062.3	16988.2	17025.2	16907.1	16388.5	15344.2	14790.9	14589.4	14383.3
47.5°	17275.3	17395.7	17513.8	17733.7	17935.2	17553.1	16411.6	15791.1	15578.1	15367.4
50°	17238.2	17361.0	17703.6	18171.4	18796.5	18669.2	17536.9	16856.2	16659.4	16418.6
52.5°	16941.9	17080.8	17520.7	18298.7	19294.3	19505.0	18683.1	17956.0	17770.8	17483.7
55°	16163.9	16247.2	16907.1	18009.3	19412.4	20088.5	19806.0	19127.6	18942.4	18541.8
57.5°	14721.4	14841.8	15802.7	17229.0	19116.0	20484.4	20792.4	20359.4	20181.1	19604.6
60°	12839.0	13031.1	14131.0	15918.5	18361.2	20482.1	21688.5	21570.4	21422.2	20651.2
62.5°	10708.8	10931.1	11989.2	14066.1	17041.4	19901.0	22248.8	22584.5	22508.1	21616.7
65°	8224.3	8377.2	9430.7	11669.7	14987.7	18653.0	22313.6	23276.8	23290.7	22350.7
67.5°	5475.9	5915.9	6830.5	8756.9	12237.0	16613.1	21744.0	23390.3	23524.6	22603.1
70°	2672.0	3250.8	4146.9	5691.3	8756.9	13485.0	20255.2	22459.5	22758.2	21866.7
72.5°	1109.1	1296.6	1785.2	2808.6	5026.8	9099.6	17263.7	19935.7	20489.1	19375.4
75°	747.9	810.4	1021.1	1440.2	2289.9	4487.3	12450.0	14864.9	15756.4	14633.4
77.5°	576.5	615.9	743.2	1007.2	1361.5	1697.2	6663.8	8958.3	9419.1	8719.8
80°	453.8	483.9	555.7	734.0	965.5	907.6	2271.4	4058.9	4325.2	3628.3
82.5°	393.6	405.2	398.3	497.8	641.4	530.2	745.6	1498.1	1653.2	1199.4
85°	284.8	317.2	331.1	307.9	340.4	268.6	305.6	530.2	583.5	521.0
87.5°	115.8	171.3	210.7	199.1	125.0	76.4	94.9	155.1	178.3	194.5
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°
4887.8	0°	4887.8	4887.8	4887.8	4887.8	4887.8	4887.8	4887.8	4887.8	4887.8	4887.8
4890.1	2.5°	4892.5	4908.7	4920.3	4934.1	4943.4	4957.3	4985.1	5001.3	5003.6	5015.2
4927.2	5°	4936.5	4959.6	4985.1	5022.1	5063.8	5098.5	5151.8	5188.8	5202.7	5214.3
5017.5	7.5°	5031.4	5063.8	5110.1	5174.9	5235.1	5281.5	5346.3	5390.3	5434.3	5450.5
5161.1	10°	5172.6	5218.9	5286.1	5374.1	5438.9	5499.1	5566.3	5603.3	5647.3	5665.8
5332.4	12.5°	5348.6	5397.2	5485.2	5607.9	5668.1	5709.8	5733.0	5723.7	5733.0	5749.2
5538.5	15°	5550.0	5603.3	5702.9	5834.8	5876.5	5839.5	5788.5	5742.2	5735.3	5739.9
5788.5	17.5°	5788.5	5827.9	5943.7	6054.8	6024.7	5871.9	5760.7	5686.7	5649.6	5638.0
6108.1	20°	6121.9	6121.9	6216.9	6286.3	6084.9	5825.6	5651.9	5531.5	5455.1	5422.7
6543.4	22.5°	6527.1	6490.1	6550.3	6501.7	6073.3	5695.9	5455.1	5246.7	5131.0	5084.6
7152.3	25°	7041.2	6997.2	6981.0	6680.0	5990.0	5489.8	5098.5	4846.2	4744.3	4718.8
8029.8	27.5°	7816.8	7705.7	7495.0	6777.2	5837.2	5165.7	4681.8	4447.9	4390.0	4392.3
9157.5	30°	8849.5	8627.2	8110.9	6793.4	5587.1	4707.2	4255.7	4089.0	4061.2	4072.8
10104.5	32.5°	9805.8	9595.1	8740.7	6719.3	5202.7	4258.0	3873.7	3762.5	3720.9	3734.8
10826.9	35°	10556.0	10498.1	9324.2	6615.1	4730.4	3836.6	3531.0	3436.1	3355.0	3336.5
11507.6	37.5°	11264.5	11241.3	9761.8	6469.3	4262.7	3537.9	3255.5	3130.4	3012.4	2947.5
12260.1	40°	12042.5	12019.3	10048.9	6244.7	3848.2	3278.6	3007.7	2843.3	2697.5	2579.4
13112.2	42.5°	12917.7	12781.1	10185.5	5922.8	3496.3	3058.7	2806.3	2584.0	2391.8	2283.0
14075.4	45°	13873.9	13566.0	10183.2	5513.0	3199.9	2857.2	2590.9	2276.0	2097.8	1995.9
15064.1	47.5°	14888.1	14316.2	10058.1	5059.2	2912.8	2634.9	2257.5	2016.7	1898.6	1836.1
16138.4	50°	15934.7	15017.8	9845.1	4538.2	2618.7	2382.6	2049.1	1884.7	1794.4	1736.6
17203.5	52.5°	16918.7	15654.5	9588.1	3947.8	2320.0	2137.1	1956.5	1829.2	1734.2	1669.4
18236.2	55°	17833.3	16203.3	9224.6	3343.5	2076.9	1972.7	1912.5	1806.0	1697.2	1620.8
19285.1	57.5°	18646.0	16559.8	8597.1	2776.2	1903.3	1859.3	1866.2	1766.7	1641.6	1576.8
20317.7	60°	19322.1	16821.5	7668.6	2250.6	1762.0	1748.1	1794.4	1692.6	1546.7	1472.6
21190.6	62.5°	19727.3	16816.8	6529.5	1843.1	1641.6	1646.3	1699.5	1599.9	1451.8	1382.3
21646.8	65°	19692.6	16404.7	5279.1	1576.8	1525.9	1530.5	1599.9	1498.1	1373.0	1331.4
21417.6	67.5°	18995.6	15399.8	4049.7	1403.1	1398.5	1419.3	1500.4	1428.6	1324.4	1319.8
20051.5	70°	17108.6	13313.6	2917.4	1264.2	1266.5	1296.6	1403.1	1384.6	1298.9	1308.2
16858.5	72.5°	13718.8	10150.8	1958.8	1118.3	1120.7	1169.3	1310.5	1349.9	1273.5	1396.2
11961.4	75°	9136.6	6330.3	1259.6	963.2	965.5	1028.0	1229.5	1282.7	1204.0	1391.6
6223.8	77.5°	4390.0	2845.6	912.3	810.4	810.4	868.3	1062.8	1148.4	1025.7	1081.3
2000.5	80°	1516.6	1069.7	717.8	652.9	639.1	678.4	896.1	995.6	884.5	815.0
652.9	82.5°	597.4	555.7	576.5	507.1	460.8	486.2	696.9	822.0	650.6	588.1
368.2	85°	342.7	361.2	407.5	335.7	266.3	298.7	511.7	590.4	490.9	433.0
120.4	87.5°	92.6	127.3	187.5	173.7	120.4	127.3	243.1	326.5	282.5	217.6
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°
4887.8
5012.9
5212.0
5452.8
5675.1
5753.8
5756.1
5654.2
5415.7
5077.7
4723.4
4399.3
4112.2
3753.3
3350.4
2949.8
2590.9
2289.9
1991.3
1822.2
1715.7
1641.6
1590.7
1535.1
1440.2
1361.5
1329.0
1326.7
1305.9
1414.7
1403.1
991.0
764.1
585.8
442.2
224.6
0.0

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