

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: P851327

Luminaire Tested: **GLAN-SB9B-730-U-T3-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P851327  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB9B-730-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 70 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

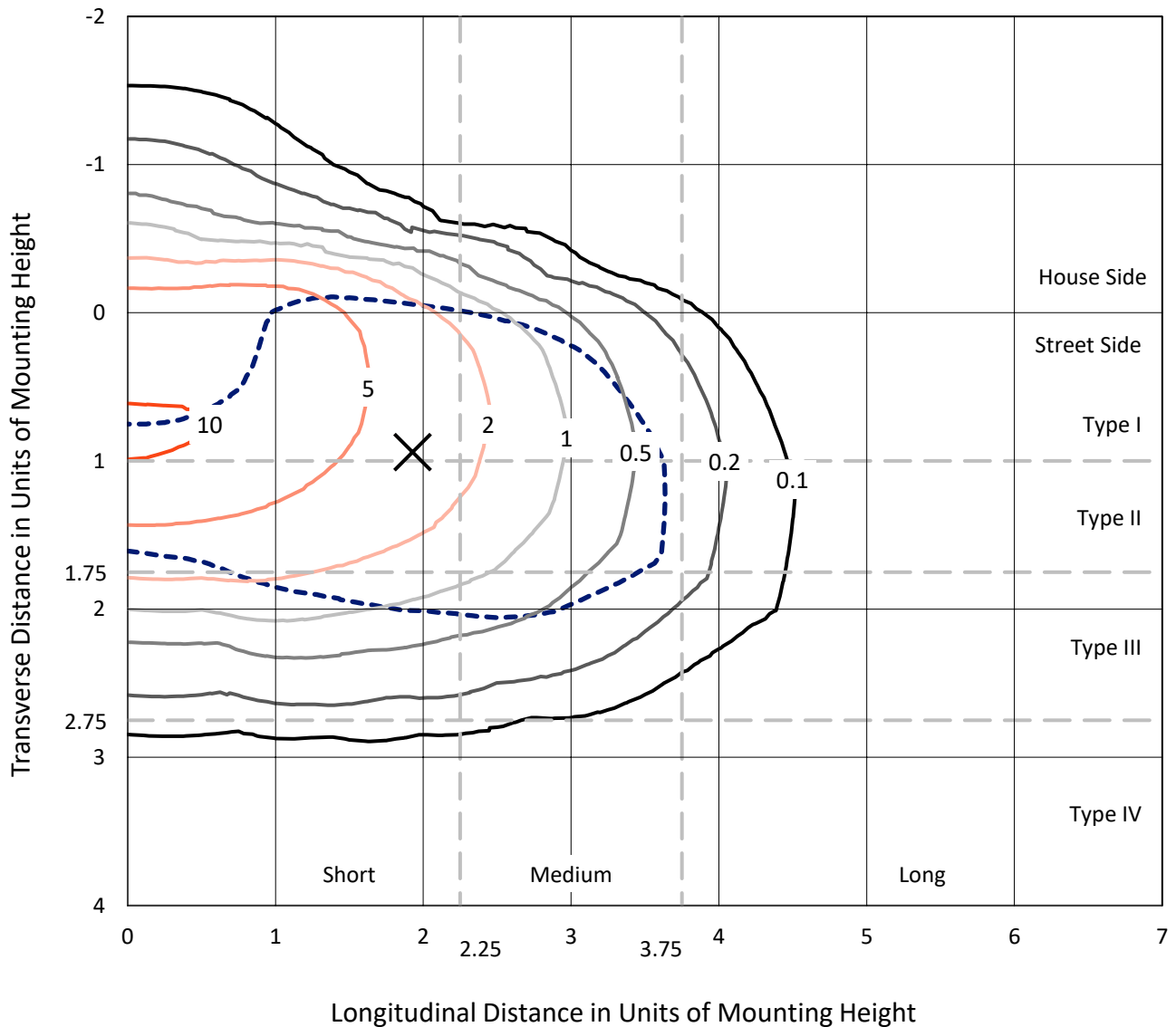
Lumens per Lamp: N/A  
Luminaire Lumens: 38856 lumens  
Efficiency: N/A  
Efficacy: 117.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G5  
  
Input Watts (W): 329.5  
Input Voltage (V): NR  
Input Current (Ain): 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

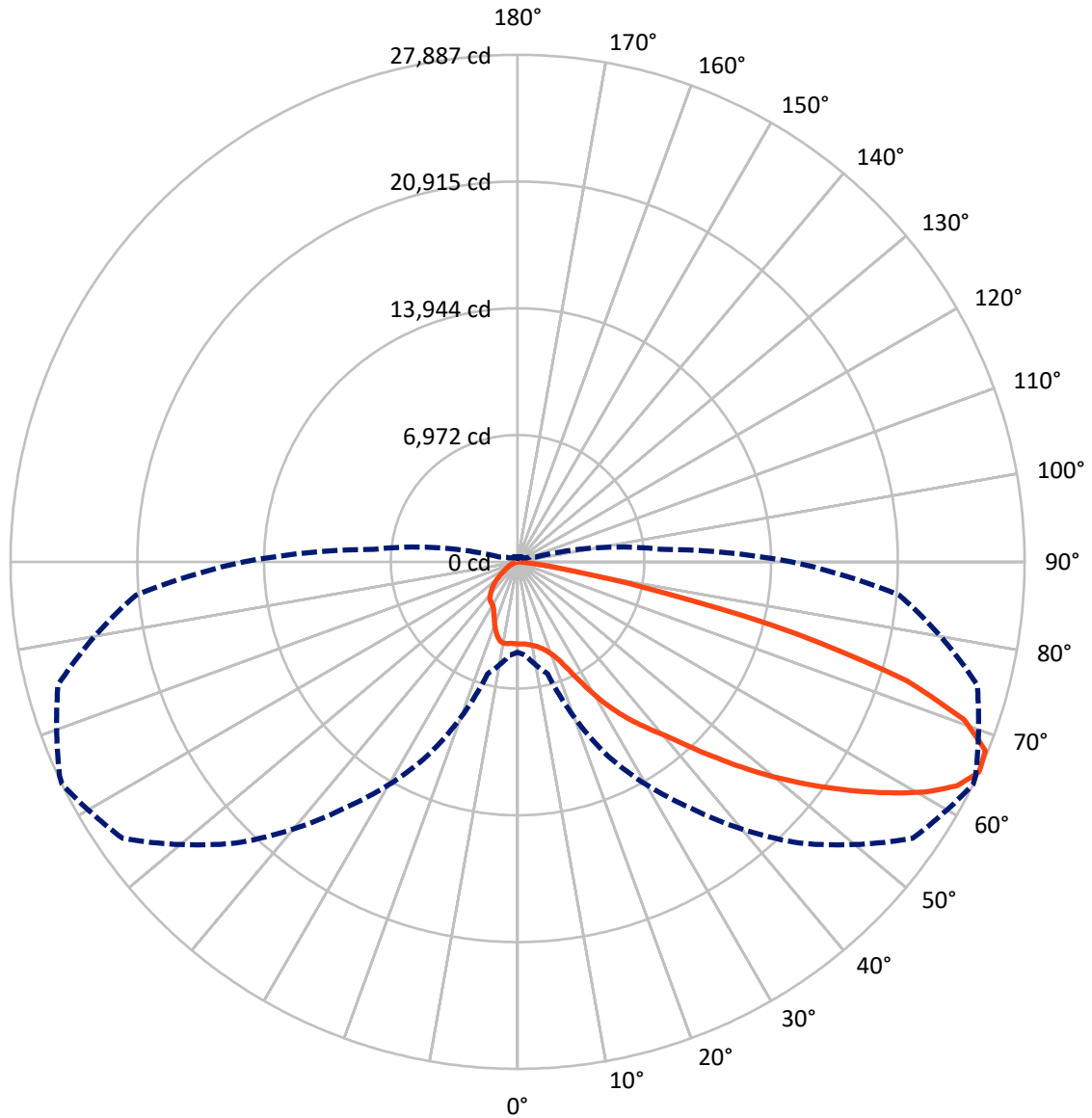
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.4 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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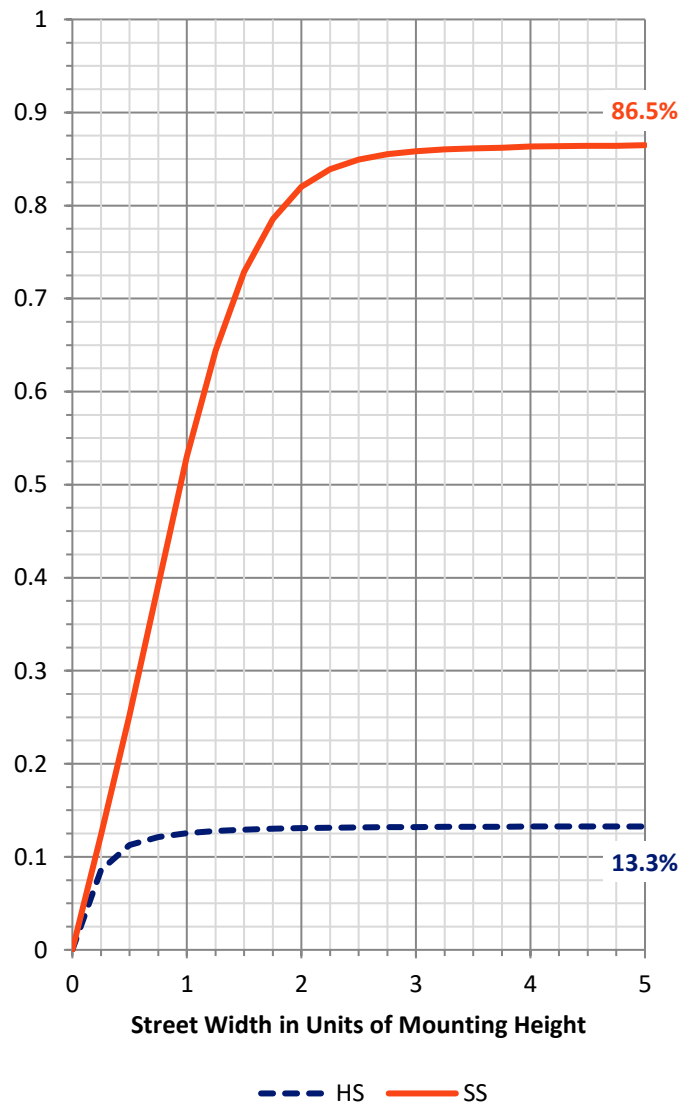
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5196.2	0.0	5196.2
	% Fixture	13.4	0.0	13.4
<b>Street Side</b>	Lumens	33659.8	0.0	33659.8
	% Fixture	86.6	0.0	86.6
<b>Total</b>	Lumens	38856.0	0.0	38856.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	417.0	1.1
10°-20°	1130.9	2.9
20°-30°	2143.0	5.5
30°-40°	4336.4	11.2
40°-50°	7387.0	19.0
50°-60°	10045.8	25.9
60°-70°	9433.5	24.3
70°-80°	3779.5	9.7
80°-90°	183.1	0.5
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°	38856.0	100.0
0°-180°	38856.0	100.0

**Coefficient of Utilization**



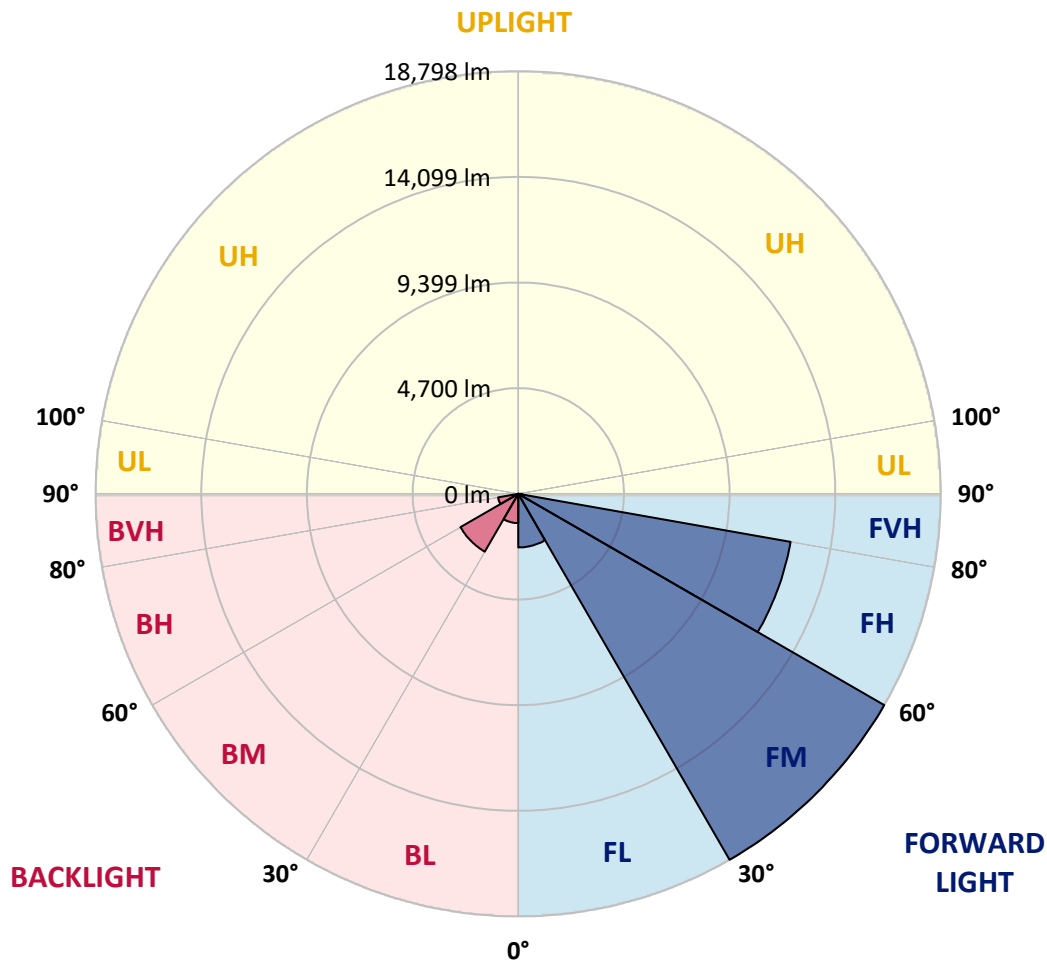
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2386.2	6.1			
FM (30°-60°)	18798.5	48.4			
FH (60°-80°)	12300.9	31.7			G5
FVH (80°-90°)	174.2	0.4			G2/225
BL (0°-30°)	1304.6	3.4	B3/2500		
BM (30°-60°)	2970.6	7.6	B3/5000		
BH (60°-80°)	912.0	2.3	B2/1000		G2/1000
BVH (80°-90°)	8.9	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G5**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	4519.4	4519.4	4519.4	4519.4	4519.4	4519.4	4519.4	4519.4	4519.4	4519.4
2.5°	4503.7	4535.0	4527.2	4519.4	4516.8	4522.0	4524.6	4522.0	4522.0	4522.0
5°	4417.8	4443.8	4443.8	4462.1	4488.1	4519.4	4542.8	4548.0	4553.2	4561.0
7.5°	4253.7	4274.5	4290.1	4350.0	4415.2	4498.5	4568.8	4605.3	4610.5	4639.2
10°	4141.7	4167.7	4193.8	4256.3	4350.0	4475.1	4594.9	4683.5	4696.5	4764.2
12.5°	4136.4	4162.5	4196.4	4264.1	4373.5	4506.3	4652.2	4779.8	4803.3	4902.3
15°	4191.1	4222.4	4253.7	4337.0	4454.2	4615.7	4772.0	4930.9	4954.4	5095.0
17.5°	4303.2	4344.8	4368.3	4451.6	4576.7	4756.4	4962.2	5144.5	5165.4	5329.5
20°	4524.6	4574.1	4581.9	4649.6	4772.0	4964.8	5209.6	5436.3	5462.3	5649.8
22.5°	4983.0	5053.3	4990.8	5024.7	5134.1	5326.8	5592.5	5879.1	5915.5	6129.1
25°	5790.5	5889.5	5728.0	5670.7	5717.6	5918.1	6251.6	6613.6	6655.3	6827.2
27.5°	7376.8	7249.2	7004.4	6764.7	6624.0	6738.7	7113.8	7561.8	7613.9	7780.6
30°	9119.5	9007.5	8676.6	8145.3	7811.8	7793.6	8140.1	8640.2	8700.1	8859.0
32.5°	10864.7	10757.9	10398.4	9744.6	9166.3	8879.8	9119.5	9674.3	9705.5	9807.1
35°	12581.3	12471.9	12112.4	11443.0	10731.8	10080.6	10033.8	10658.9	10669.3	10776.1
37.5°	14308.3	14217.1	13834.2	13177.8	12477.1	11578.4	11143.4	11591.4	11604.5	11708.6
40°	15540.3	15579.4	15316.3	14808.4	14206.7	13224.7	12388.5	12583.9	12505.7	12680.2
42.5°	16597.9	16676.0	16446.8	16191.5	15842.5	14977.7	13930.6	13896.7	13771.7	13865.4
45°	17512.2	17577.3	17371.5	17311.6	17303.8	16696.9	15615.9	15412.7	15238.2	15219.9
47.5°	17848.2	17973.2	18061.8	18262.4	18653.1	18397.8	17358.5	17043.3	16848.0	16704.7
50°	17975.8	18108.7	18410.8	18994.3	19919.0	20028.4	19093.3	18739.0	18499.4	18238.9
52.5°	17803.9	18041.0	18447.3	19429.3	20770.8	21336.1	20757.8	20447.8	20174.3	19749.7
55°	16790.6	17027.7	17858.6	19424.1	21195.4	22252.9	22331.1	22193.0	21885.7	21216.2
57.5°	14654.7	15006.3	16321.8	18762.5	21187.6	23042.2	23873.1	23972.1	23628.3	22669.7
60°	11695.6	12172.3	13776.9	17296.0	20533.8	23469.4	25225.0	25720.0	25355.3	24102.4
62.5°	8160.9	8713.1	10231.7	14998.5	19038.6	23162.0	26212.3	27126.6	26850.4	25383.9
65°	4977.8	5154.9	6379.2	11802.4	16496.3	21875.2	26517.0	27887.2	27796.0	26168.0
67.5°	3315.9	3464.4	3816.1	8093.2	12805.3	19304.3	25787.7	27754.3	27780.4	26040.3
70°	1997.9	2125.5	2354.8	4706.9	8298.9	15279.9	23529.3	26061.2	26212.3	24334.2
72.5°	823.1	909.1	1117.5	2133.3	4297.9	9697.7	18736.4	22375.4	22727.0	20460.8
75°	466.3	510.5	656.4	1070.6	1865.0	4519.4	11349.2	15884.2	16402.5	14102.5
77.5°	310.0	330.8	424.6	692.9	1049.7	1542.1	4850.2	8275.5	9265.3	7702.4
80°	208.4	226.6	291.7	463.7	682.5	661.6	1544.7	3065.9	3771.8	2646.5
82.5°	140.7	143.3	208.4	304.8	432.4	320.4	455.8	953.4	1198.2	765.8
85°	80.7	78.1	153.7	177.1	192.8	132.8	138.1	286.5	375.1	323.0
87.5°	10.4	15.6	59.9	46.9	26.0	28.7	28.7	49.5	72.9	78.1
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°
4519.4	0°	4519.4	4519.4	4519.4	4519.4	4519.4	4519.4	4519.4	4519.4	4519.4	4519.4
4524.6	2.5°	4524.6	4522.0	4514.1	4506.3	4488.1	4477.7	4482.9	4477.7	4475.1	4477.7
4558.4	5°	4558.4	4550.6	4529.8	4503.7	4467.3	4423.0	4394.3	4352.6	4313.6	4290.1
4649.6	7.5°	4649.6	4641.8	4613.1	4540.2	4423.0	4238.0	4068.7	3920.2	3808.2	3743.1
4795.5	10°	4795.5	4782.4	4738.2	4576.7	4269.3	3865.5	3529.5	3250.8	3068.5	2982.5
4967.4	12.5°	4967.4	4951.8	4873.6	4542.8	3977.6	3347.2	2883.5	2573.6	2404.2	2328.7
5165.4	15°	5170.6	5149.7	4996.0	4381.3	3553.0	2774.1	2349.5	2117.7	2008.3	1940.6
5418.0	17.5°	5423.2	5386.8	5087.2	4139.1	3091.9	2336.5	2021.3	1846.8	1750.4	1685.3
5748.8	20°	5751.4	5691.5	5160.1	3849.9	2667.3	2060.4	1799.9	1654.1	1581.1	1523.8
6217.7	22.5°	6209.9	6123.9	5248.7	3537.3	2367.8	1870.3	1635.8	1529.0	1469.1	1404.0
6871.5	25°	6777.7	6676.1	5358.1	3248.2	2162.0	1706.2	1516.0	1427.4	1357.1	1281.6
7728.5	27.5°	7572.2	7389.9	5488.3	3011.2	1984.9	1565.5	1406.6	1307.6	1226.9	1164.4
8700.1	30°	8457.8	8158.3	5603.0	2867.9	1823.4	1435.3	1263.3	1164.4	1088.8	1044.5
9572.7	32.5°	9296.6	8890.2	5678.5	2805.4	1677.5	1286.8	1107.0	1000.2	942.9	929.9
10427.1	35°	10088.5	9551.9	5670.7	2745.5	1547.3	1138.3	953.4	844.0	799.7	807.5
11346.6	37.5°	11000.1	10257.8	5616.0	2651.7	1440.5	1002.9	820.5	724.1	685.1	687.7
12464.0	40°	12060.3	11073.1	5582.1	2474.6	1323.2	877.8	711.1	633.0	604.3	593.9
13641.4	42.5°	13190.8	11862.3	5587.3	2274.0	1177.4	765.8	635.6	570.5	544.4	536.6
14951.6	45°	14326.5	12615.1	5595.1	2065.6	1023.7	679.9	580.9	526.2	510.5	500.1
16280.1	47.5°	15394.5	13255.9	5449.3	1841.6	872.6	614.7	536.6	500.1	487.1	474.1
17613.8	50°	16389.5	13683.1	5097.6	1581.1	752.8	562.6	502.7	476.7	463.7	450.6
18822.4	52.5°	17163.1	13750.8	4516.8	1312.8	669.4	523.6	481.9	458.4	442.8	429.8
19799.2	55°	17507.0	13326.2	3691.0	1062.8	604.3	489.7	461.1	437.6	419.4	406.4
20567.6	57.5°	17418.4	12432.8	2878.3	854.4	541.8	455.8	435.0	419.4	398.5	377.7
21190.2	60°	16983.4	11237.2	2169.8	711.1	484.5	419.4	406.4	393.3	364.7	333.4
21429.8	62.5°	16230.6	9734.2	1547.3	588.7	422.0	377.7	372.5	362.1	320.4	263.1
21075.6	65°	15079.3	7908.2	1041.9	489.7	362.1	330.8	333.4	315.2	260.5	195.4
19778.4	67.5°	13396.6	5782.7	666.8	401.1	302.2	276.1	278.7	268.3	221.4	166.7
17319.4	70°	11252.8	3829.1	435.0	304.8	242.2	213.6	229.2	231.8	187.5	135.5
13292.4	72.5°	8249.5	2261.0	304.8	226.6	177.1	148.5	187.5	192.8	151.1	101.6
7996.8	75°	4701.7	1073.2	229.2	164.1	109.4	104.2	145.9	145.9	104.2	67.7
3461.8	77.5°	1974.5	448.0	161.5	106.8	62.5	59.9	99.0	91.2	52.1	31.3
844.0	80°	570.5	200.6	86.0	52.1	26.0	23.4	39.1	28.7	13.0	5.2
320.4	82.5°	224.0	88.6	33.9	20.8	10.4	10.4	5.2	0.0	0.0	0.0
182.3	85°	132.8	36.5	15.6	7.8	2.6	0.0	0.0	0.0	0.0	0.0
39.1	87.5°	33.9	7.8	5.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°
4519.4
4488.1
4295.3
3745.7
2974.7
2320.9
1943.2
1680.1
1513.4
1393.6
1273.8
1151.3
1036.7
937.7
807.5
698.1
591.3
534.0
500.1
474.1
450.6
427.2
403.7
375.1
328.2
257.9
190.2
158.9
130.2
96.4
62.5
31.3
5.2
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