

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: P852681

Luminaire Tested: **GLAN-SB5C-840-U-T4FT**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852681  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB5C-840-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 80 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 33252 lumens  
Efficiency: N/A  
Efficacy: 133.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5

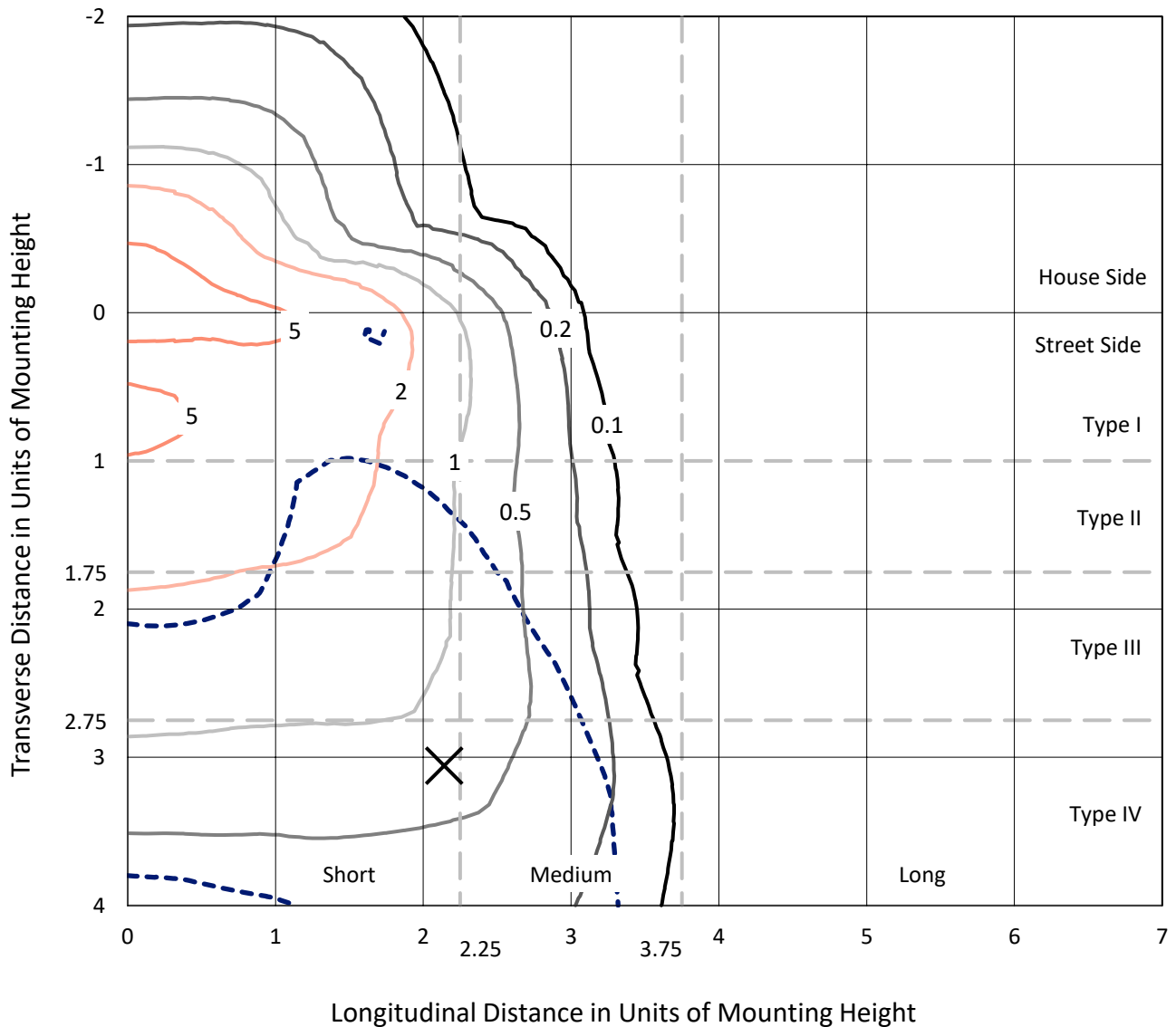
Input Watts (W): 249.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

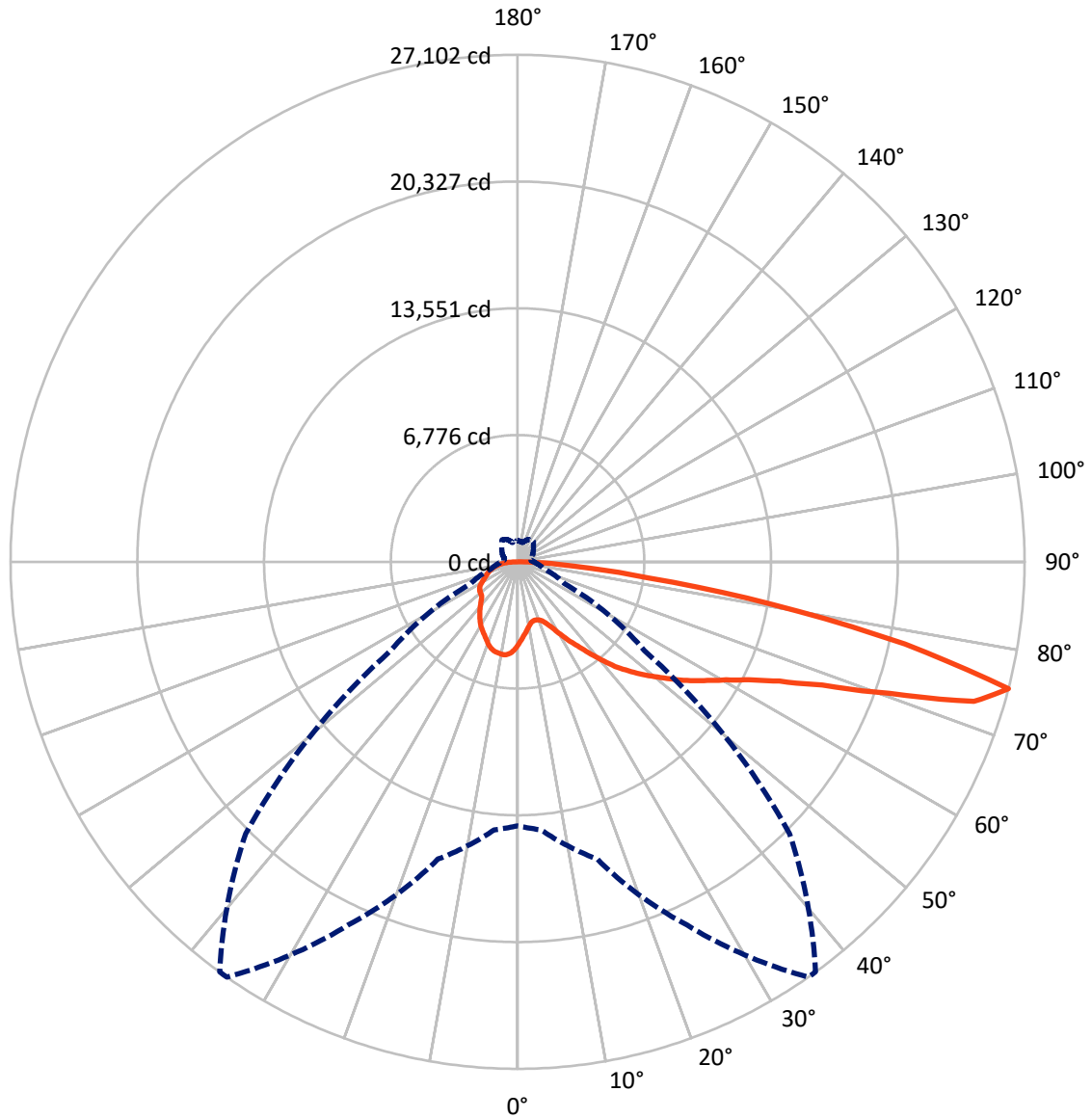
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.8 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 75-Deg Vertical

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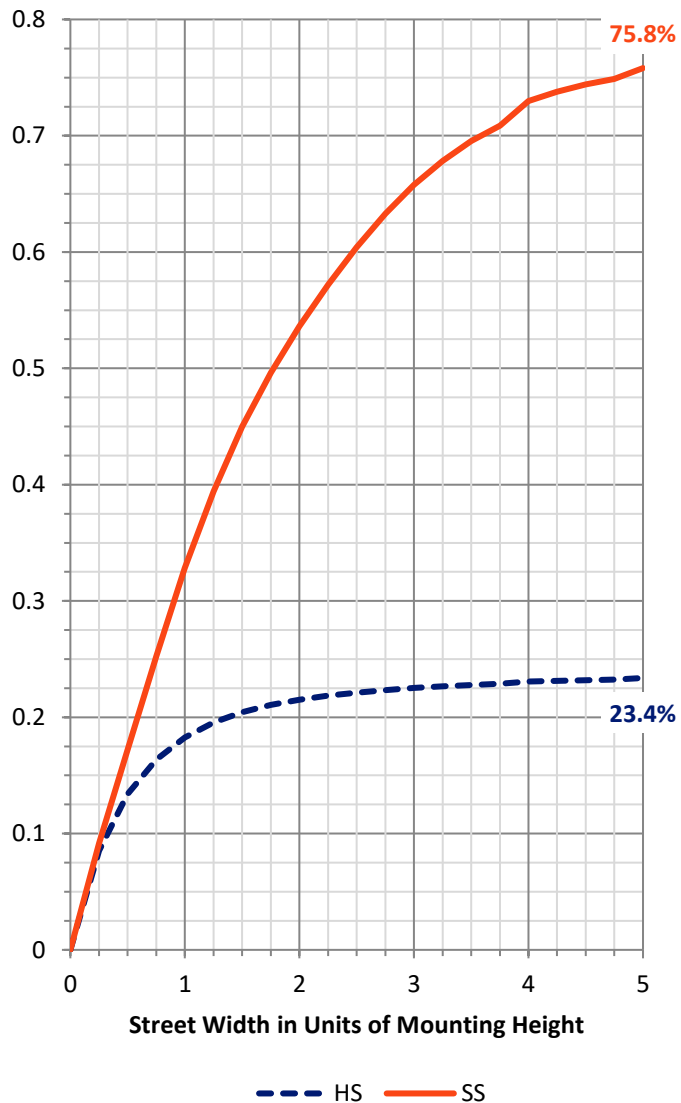
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7913.1	0.0	7913.1
	% Fixture	23.8	0.0	23.8
<b>Street Side</b>	Lumens	25338.9	0.0	25338.9
	% Fixture	76.2	0.0	76.2
<b>Total</b>	Lumens	33252.0	0.0	33252.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	419.5	1.3
10°-20°	1210.1	3.6
20°-30°	2032.1	6.1
30°-40°	3158.2	9.5
40°-50°	4687.5	14.1
50°-60°	6471.4	19.5
60°-70°	7851.3	23.6
70°-80°	6488.5	19.5
80°-90°	933.3	2.8
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°	33252.0	100.0
0°-180°	33252.0	100.0

**Coefficient of Utilization**

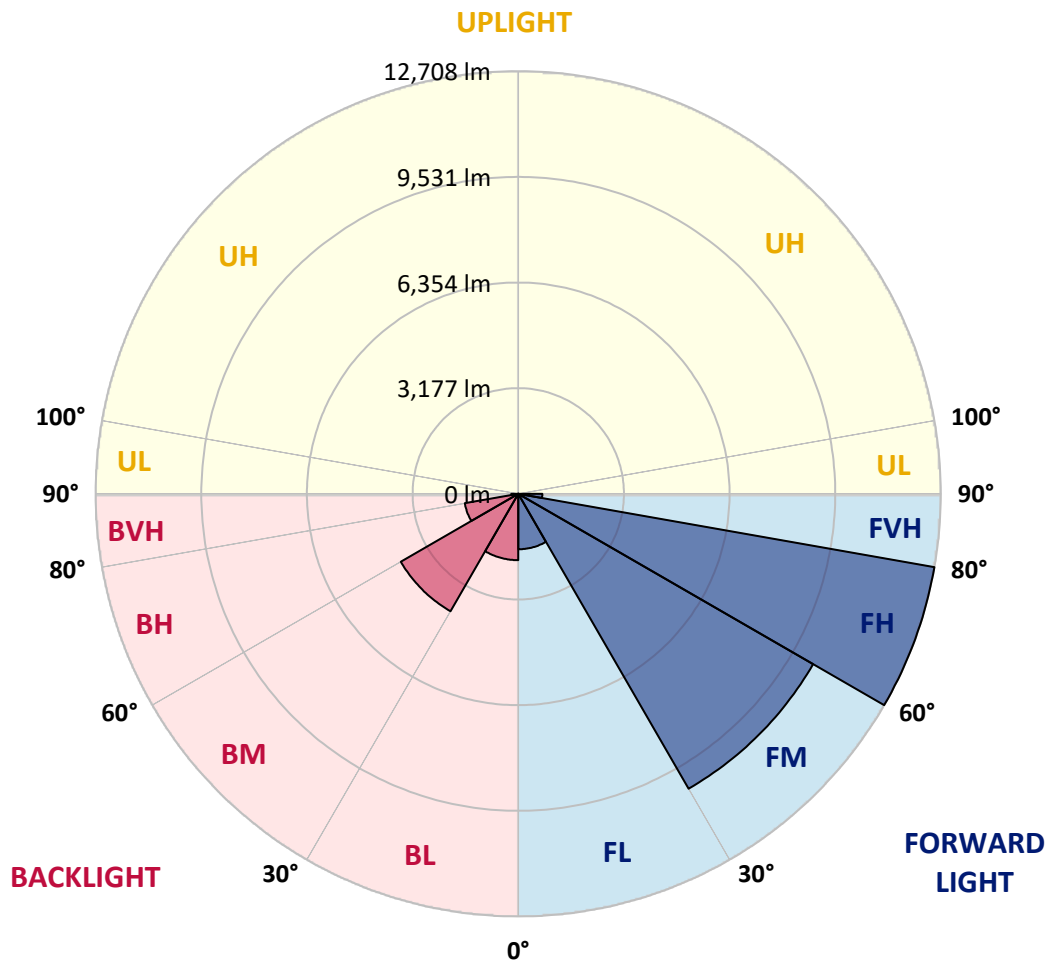


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1667.5	5.0			
FM (30°-60°)	10239.8	30.8			
FH (60°-80°)	12708.4	38.2			G5
FVH (80°-90°)	723.1	2.2			G4/750
BL (0°-30°)	1994.2	6.0	B3/2500		
BM (30°-60°)	4077.3	12.3	B3/5000		
BH (60°-80°)	1631.4	4.9	B3/2500		G3/2500
BVH (80°-90°)	210.1	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G5**  
 Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	4431.1	4431.1	4431.1	4431.1	4431.1	4431.1	4431.1	4431.1	4431.1	4431.1
2.5°	4085.9	4111.1	4121.9	4116.5	4143.4	4139.8	4177.6	4224.3	4289.0	4352.0
5°	3771.3	3798.3	3821.7	3843.2	3895.4	3911.6	3970.9	4060.8	4179.4	4299.8
7.5°	3478.3	3501.7	3537.7	3577.2	3665.3	3681.5	3780.3	3920.5	4085.9	4262.1
10°	3239.3	3262.6	3300.4	3345.3	3455.0	3474.7	3600.6	3787.5	4003.2	4226.1
12.5°	3136.8	3144.0	3165.6	3210.5	3305.8	3318.3	3456.8	3670.7	3922.3	4199.2
15°	3131.4	3145.8	3147.6	3170.9	3250.0	3255.4	3383.1	3595.2	3872.0	4193.8
17.5°	3185.3	3196.1	3179.9	3194.3	3260.8	3269.8	3370.5	3559.2	3855.8	4217.1
20°	3329.1	3338.1	3289.6	3269.8	3318.3	3325.5	3424.4	3582.6	3872.0	4265.7
22.5°	3634.7	3640.1	3521.5	3440.6	3444.2	3447.8	3534.1	3677.9	3934.9	4353.8
25°	4111.1	4107.5	3918.7	3762.4	3672.5	3652.7	3710.2	3832.5	4041.0	4470.6
27.5°	4668.3	4641.4	4452.6	4218.9	4023.0	3994.2	3981.7	4033.8	4192.0	4625.2
30°	5297.5	5272.3	5069.2	4763.6	4492.2	4445.4	4326.8	4299.8	4416.7	4835.5
32.5°	5987.8	5971.6	5728.9	5358.6	4995.5	4941.6	4742.0	4670.1	4761.8	5153.7
35°	6566.6	6552.2	6350.9	5969.8	5525.8	5459.3	5256.1	5175.3	5222.0	5561.7
37.5°	7089.7	7082.5	6909.9	6609.7	6151.3	6070.5	5842.2	5815.2	5806.2	6099.2
40°	7575.0	7557.1	7377.3	7219.1	6879.4	6805.7	6604.3	6581.0	6512.7	6760.7
42.5°	8112.5	8065.8	7805.1	7731.4	7639.7	7578.6	7458.2	7461.8	7310.8	7506.7
45°	8551.1	8524.2	8256.3	8213.2	8312.0	8286.9	8391.1	8418.1	8125.1	8288.7
47.5°	9022.1	8996.9	8770.4	8739.9	9007.7	9014.9	9383.4	9392.4	8919.6	9101.2
50°	9602.7	9566.8	9342.1	9379.8	9680.0	9707.0	10381.1	10320.0	9651.2	9926.3
52.5°	9985.6	10007.2	9958.6	10019.8	10429.6	10454.8	11362.6	11206.2	10375.7	10740.6
55°	10267.8	10311.0	10462.0	10602.2	11220.5	11245.7	12288.3	12049.2	10976.1	11495.6
57.5°	10630.9	10569.8	10852.0	11125.3	11971.9	12038.4	13188.9	12861.7	11508.2	12146.3
60°	11152.2	11109.1	11328.4	11732.9	12813.2	12919.3	14141.6	13593.4	11898.2	12662.2
62.5°	12209.2	12101.4	12135.5	12493.2	13873.8	14014.0	15216.6	14231.5	12092.4	12863.5
65°	13789.3	13604.1	13431.6	13679.6	15367.6	15506.0	16430.0	14733.0	12020.5	12473.5
67.5°	15779.2	15595.9	15383.8	15617.4	17567.8	17677.5	17927.3	15015.3	11454.2	10970.7
70°	17420.4	17352.1	17605.6	18567.3	21082.1	21085.7	19847.2	14781.6	9902.9	7778.2
72.5°	17202.9	17161.6	18497.2	21470.4	25511.4	25416.1	21664.5	13012.7	6670.8	3508.9
75°	14112.9	14380.7	16449.7	21418.3	27102.2	27089.6	20551.8	8272.5	2759.3	1454.2
77.5°	7567.8	7992.1	10679.5	15813.4	21157.6	21475.8	14449.0	2894.1	1184.6	931.2
80°	2468.1	2838.4	4256.7	8051.4	13748.0	13688.6	6192.7	1136.1	810.7	659.7
82.5°	1048.0	1091.1	1901.8	3801.9	7055.5	6945.9	1972.0	652.5	569.8	451.2
85°	409.9	458.4	839.5	1758.0	3055.9	2989.4	711.8	323.6	364.9	294.8
87.5°	134.8	163.6	300.2	602.2	950.9	916.8	174.4	111.5	158.2	134.8
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°
4431.1	0°	4431.1	4431.1	4431.1	4431.1	4431.1	4431.1	4431.1	4431.1	4431.1	4431.1
4443.6	2.5°	4468.8	4497.6	4531.7	4582.1	4625.2	4661.1	4698.9	4722.3	4731.3	4758.2
4450.8	5°	4501.2	4564.1	4648.6	4731.3	4812.1	4860.7	4903.8	4925.4	4945.2	4959.5
4470.6	7.5°	4555.1	4636.0	4769.0	4876.9	4945.2	4984.7	5013.5	5006.3	5013.5	5017.1
4492.2	10°	4601.8	4715.1	4873.3	4975.7	5027.9	5029.7	5022.5	4997.3	4984.7	4986.5
4524.5	12.5°	4657.6	4783.4	4954.2	5040.4	5054.8	5015.3	4984.7	4941.6	4925.4	4918.2
4573.1	15°	4733.0	4876.9	5042.2	5074.6	5038.6	4988.3	4936.2	4866.1	4830.1	4801.4
4655.8	17.5°	4824.7	4982.9	5110.5	5087.2	5009.9	4927.2	4842.7	4736.6	4662.9	4632.4
4769.0	20°	4952.4	5094.4	5162.7	5060.2	4943.4	4817.5	4673.7	4544.3	4476.0	4445.4
4912.8	22.5°	5106.9	5243.6	5213.0	5013.5	4848.1	4646.8	4467.0	4371.7	4337.6	4316.0
5098.0	25°	5292.1	5408.9	5249.0	4945.2	4691.7	4420.3	4281.9	4251.3	4235.1	4218.9
5324.5	27.5°	5533.0	5595.9	5275.9	4844.5	4447.2	4179.4	4129.1	4134.5	4129.1	4102.1
5639.0	30°	5851.1	5838.6	5301.1	4680.9	4166.8	3961.9	3965.5	3988.8	3992.4	3974.5
6077.6	32.5°	6270.0	6142.4	5313.7	4468.8	3899.0	3771.3	3774.9	3800.1	3818.1	3787.5
6651.1	35°	6776.9	6496.5	5293.9	4202.8	3692.2	3589.8	3562.8	3570.0	3575.4	3546.6
7346.7	37.5°	7368.3	6893.7	5205.8	3908.0	3521.5	3411.8	3354.3	3305.8	3277.0	3250.0
8134.1	40°	8017.2	7327.0	5044.0	3620.3	3330.9	3223.1	3136.8	3045.1	2948.0	2912.1
8968.2	42.5°	8696.7	7772.8	4848.1	3345.3	3111.6	3023.5	2931.9	2798.8	2653.2	2579.5
9834.6	45°	9401.4	8229.4	4655.8	3073.9	2886.9	2849.2	2743.1	2583.1	2424.9	2331.5
10702.8	47.5°	10091.7	8660.8	4373.5	2800.6	2676.6	2718.0	2635.3	2487.9	2311.7	2164.3
11563.9	50°	10751.4	9065.2	3911.6	2523.8	2505.8	2678.4	2599.3	2387.2	2185.9	1997.1
12408.7	52.5°	11405.7	9392.4	3320.1	2272.2	2414.2	2667.6	2552.6	2318.9	2072.6	1874.9
13203.3	55°	11961.1	9561.4	2750.3	2056.4	2281.1	2575.9	2496.8	2238.0	1912.6	1702.3
13748.0	57.5°	12277.5	9424.8	2275.7	1844.3	2097.8	2424.9	2401.6	2065.4	1722.1	1560.3
13854.0	60°	12140.9	8871.1	1887.5	1659.2	1923.4	2261.4	2236.2	1894.7	1576.5	1423.7
13286.0	62.5°	11387.7	7815.9	1580.1	1497.4	1765.2	2094.2	2070.8	1763.4	1465.0	1317.6
11777.8	65°	9870.6	6358.1	1341.0	1362.6	1605.2	1892.9	1927.0	1653.8	1377.0	1233.1
9112.0	67.5°	7528.3	4605.4	1154.1	1245.7	1448.9	1695.1	1794.0	1574.7	1303.3	1166.6
5272.3	70°	4290.8	2615.5	995.9	1132.5	1310.4	1511.8	1691.5	1511.8	1224.2	1110.9
1975.5	72.5°	1626.8	1200.8	861.0	1019.2	1177.4	1357.2	1578.3	1412.9	1132.5	1048.0
1021.0	75°	868.2	731.6	724.4	886.2	1024.6	1206.2	1436.3	1315.8	1064.2	1107.3
706.5	77.5°	591.4	517.7	605.8	758.6	857.4	1039.0	1285.3	1168.4	922.2	918.6
488.9	80°	409.9	366.7	492.5	611.2	663.3	873.6	1121.7	1003.1	751.4	701.1
302.0	82.5°	246.3	239.1	368.5	456.6	469.2	674.1	929.4	841.3	614.8	535.7
179.8	85°	134.8	142.0	235.5	267.8	273.2	471.0	728.0	650.7	472.8	397.3
64.7	87.5°	37.7	48.5	86.3	106.1	131.2	244.5	433.2	386.5	237.3	165.4
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°
4431.1
4756.4
4963.1
5022.5
4990.1
4914.6
4810.3
4634.2
4441.8
4319.6
4218.9
4107.5
3983.5
3801.9
3566.4
3268.0
2928.3
2588.5
2324.3
2148.1
1980.9
1853.3
1684.3
1538.7
1402.1
1294.3
1209.8
1145.1
1096.5
1033.6
1143.3
846.7
670.5
539.3
400.9
165.4
0.0

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