

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: P943815

Luminaire Tested: **GLAN-SB8C-722-U-T2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P943815
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB8C-722-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 49568 lumens
Efficiency: N/A
Efficacy: 124.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G5

Input Watts (W): 399.8
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

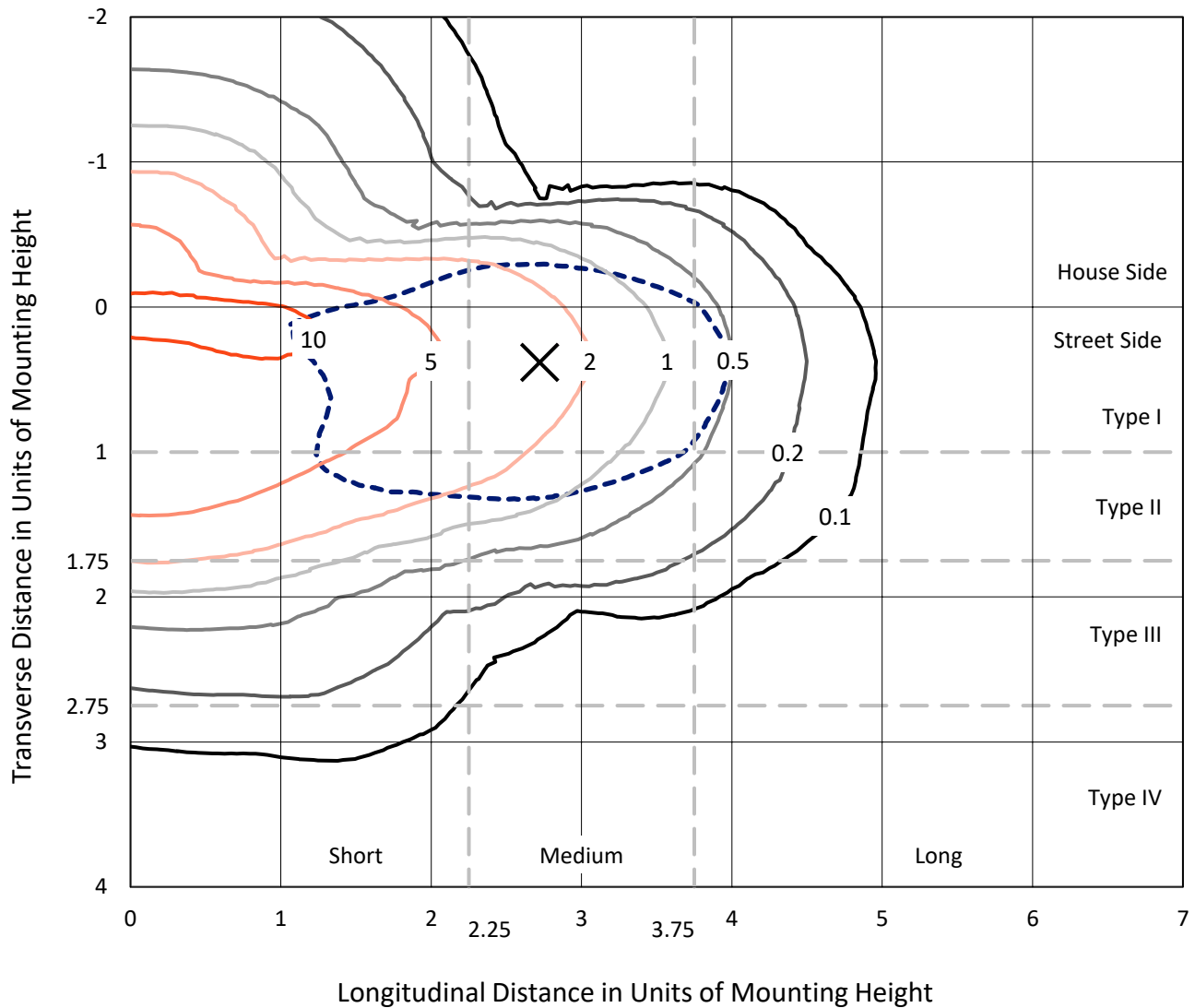


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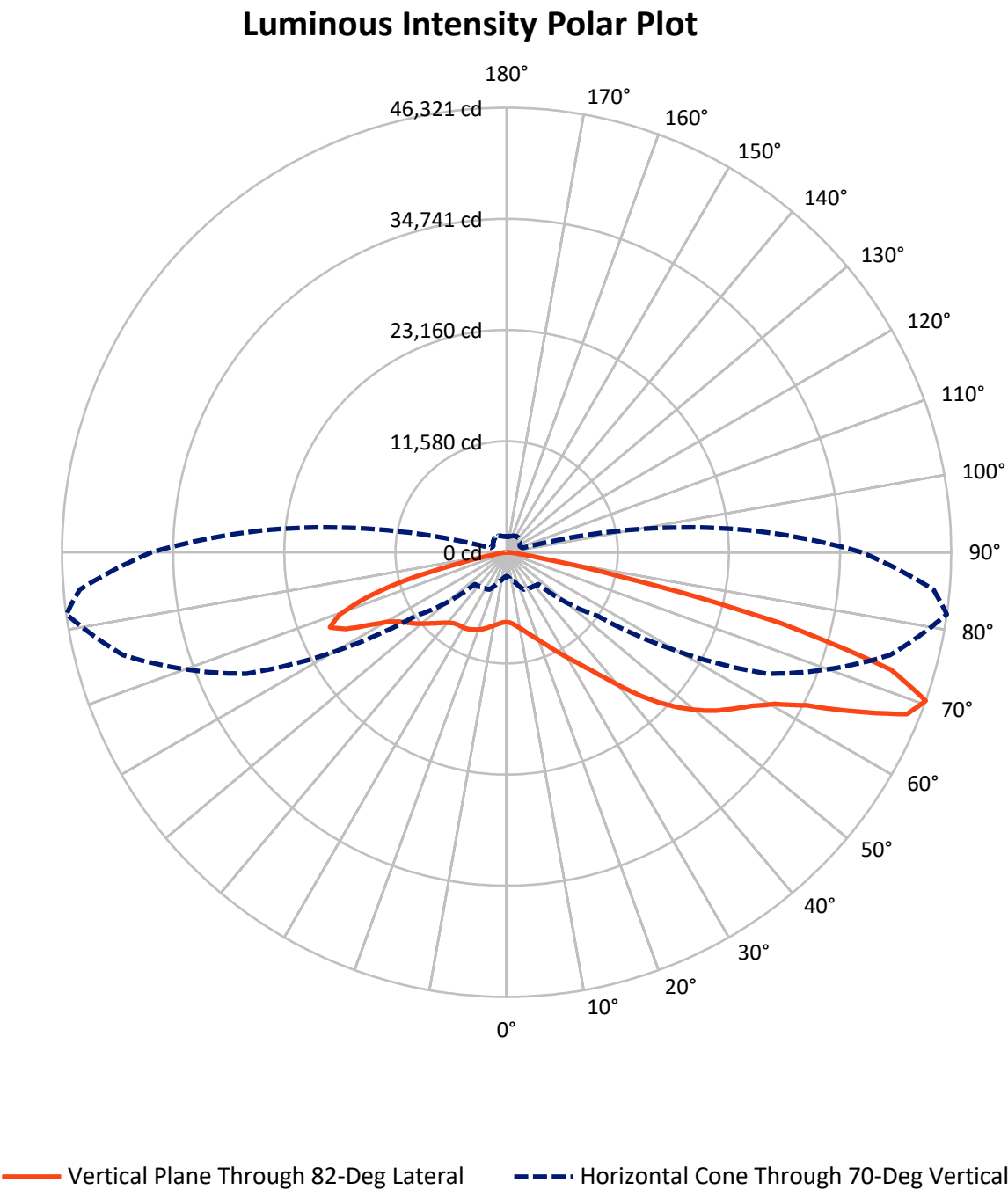
Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.2 fc
Type II - Medium - N/A

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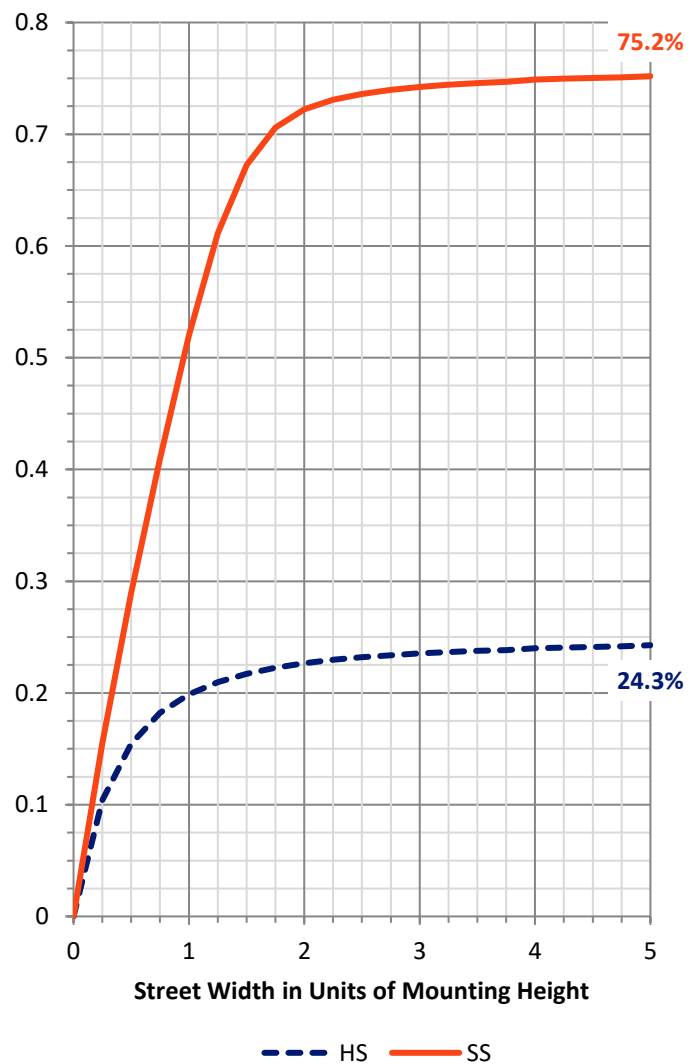
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12219.7	0.0	12219.7
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	37348.3	0.0	37348.3
	% Fixture	75.3	0.0	75.3
Total	Lumens	49568.0	0.0	49568.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	686.2	1.4
10°-20°	1971.4	4.0
20°-30°	3297.9	6.7
30°-40°	5152.2	10.4
40°-50°	8205.5	16.6
50°-60°	11418.9	23.0
60°-70°	11944.7	24.1
70°-80°	6243.0	12.6
80°-90°	648.3	1.3
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°	49568.0	100.0
0°-180°	49568.0	100.0

Coefficient of Utilization



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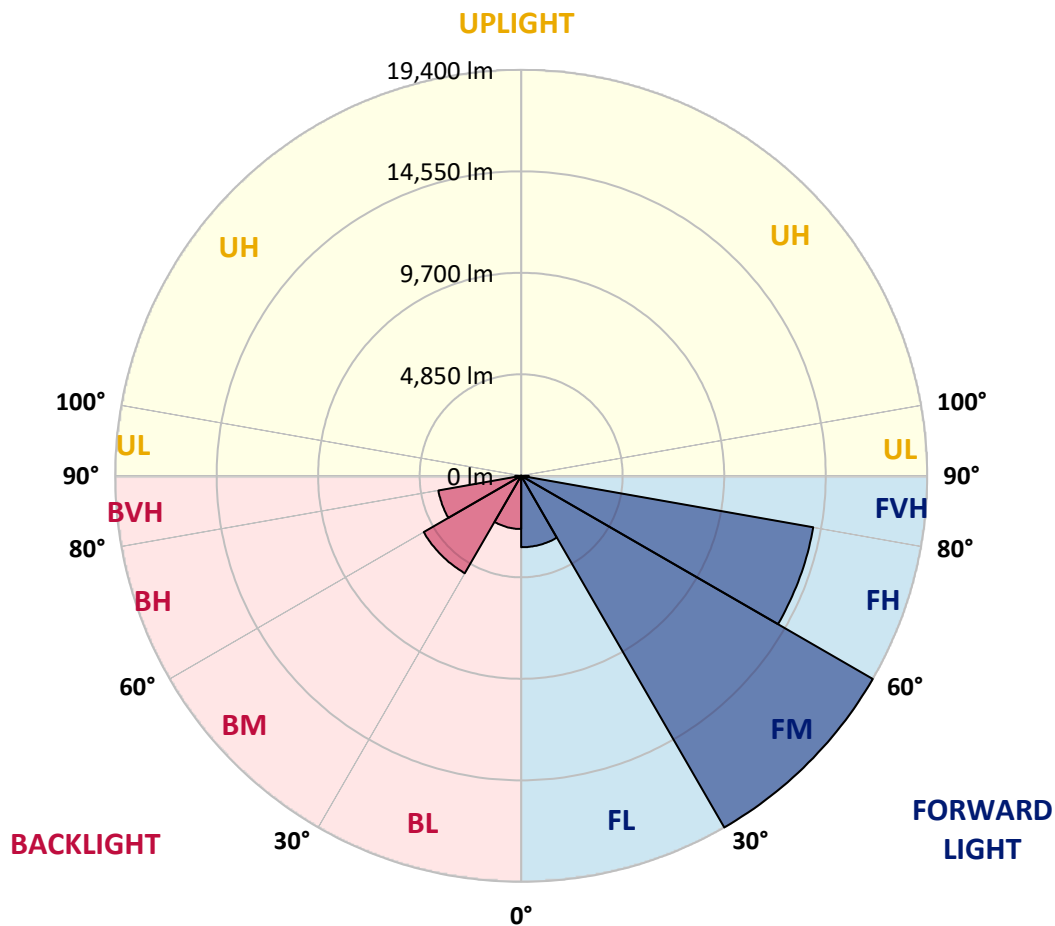
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3413.3	6.9			
FM	(30°-60°)	19400.4	39.1			
FH	(60°-80°)	14171.6	28.6			G5
FVH	(80°-90°)	362.9	0.7			G3/500
BL	(0°-30°)	2542.2	5.1	B4/5000		
BM	(30°-60°)	5376.2	10.8	B4/8500		
BH	(60°-80°)	4016.0	8.1	B4/5000		G4/5000
BVH	(80°-90°)	285.4	0.6			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	7267.3	7267.3	7267.3	7267.3	7267.3	7267.3	7267.3	7267.3	7267.3	7267.3
2.5°	7440.9	7483.0	7469.8	7456.7	7456.7	7438.3	7435.6	7409.3	7388.3	7354.1
5°	7535.6	7580.3	7575.0	7585.5	7619.7	7627.6	7635.5	7619.7	7577.7	7535.6
7.5°	7451.4	7501.4	7517.2	7580.3	7685.5	7780.2	7851.2	7880.1	7840.7	7780.2
10°	7167.3	7222.6	7277.8	7427.7	7614.5	7838.0	8027.4	8140.5	8132.6	8074.8
12.5°	6591.3	6649.2	6767.5	7059.5	7401.4	7796.0	8148.4	8385.1	8466.7	8424.6
15°	6131.0	6181.0	6270.4	6570.3	7014.8	7614.5	8193.1	8653.4	8861.2	8837.5
17.5°	6117.9	6138.9	6194.2	6336.2	6678.1	7330.4	8145.8	8916.4	9313.6	9311.0
20°	6349.3	6357.2	6388.8	6417.7	6612.4	7114.7	8024.8	9134.7	9821.2	9821.2
22.5°	6670.2	6665.0	6696.5	6670.2	6764.9	7096.3	7948.5	9326.7	10386.7	10428.8
25°	7151.6	7125.3	7117.4	7056.9	7075.3	7267.3	8032.7	9545.1	11057.4	11144.2
27.5°	7793.3	7751.2	7722.3	7582.9	7535.6	7619.7	8290.4	9808.1	11804.4	11954.3
30°	8629.7	8553.5	8511.4	8269.4	8098.4	8111.6	8679.7	10157.9	12585.6	12827.6
32.5°	9771.3	9652.9	9539.8	9142.6	8829.6	8727.1	9182.1	10641.9	13432.5	13819.2
35°	11049.5	10954.9	10833.9	10221.0	9739.7	9503.0	9860.7	11317.8	14424.1	15036.9
37.5°	12280.5	12198.9	12256.8	11430.9	10810.2	10465.6	10749.7	12225.2	15647.2	16552.0
40°	13553.5	13490.4	13498.3	12709.2	11985.9	11599.3	11828.1	13364.1	17049.1	18353.7
42.5°	14937.0	14889.7	14731.8	14032.2	13219.5	12859.1	13069.5	14679.2	18553.5	20405.2
45°	16486.2	16457.3	16310.0	15507.8	14576.7	14171.6	14455.7	16131.1	20065.9	22335.8
47.5°	17825.0	17848.7	17830.2	17154.3	16189.0	15594.6	15933.9	17646.1	21473.1	24150.6
50°	18469.4	18593.0	18774.5	18564.1	17964.4	17359.4	17425.2	19108.5	22814.5	25852.4
52.5°	18132.7	18366.8	18861.3	19198.0	19429.4	19303.2	19126.9	20560.4	24077.0	27388.4
55°	16878.1	17206.9	18027.5	18840.2	20021.2	20939.2	21170.6	22170.1	25307.9	28740.4
57.5°	14592.4	15126.4	15862.8	17506.7	19495.2	21730.9	23553.6	24403.2	26612.5	30184.4
60°	10673.4	11388.8	12304.2	14750.3	17654.0	21307.4	25581.5	27833.0	28466.8	32054.5
62.5°	6830.7	7272.5	8114.2	10418.3	13756.0	19137.5	26202.2	32120.2	31609.9	35121.3
65°	4676.5	4960.6	5731.2	7025.3	8892.8	14245.3	24539.9	35334.3	36602.1	39981.9
67.5°	3398.2	3613.9	4271.5	5405.1	5794.4	8429.8	19042.8	35187.0	41454.8	44989.9
70°	2477.7	2630.2	3182.6	4271.5	4458.2	4689.7	11536.1	29910.8	41349.6	46320.7
72.5°	1835.9	1941.1	2312.0	3314.1	3608.7	3166.8	5710.2	21738.7	35531.6	41896.7
75°	1328.3	1407.2	1680.7	2535.5	2888.0	2411.9	2848.5	12703.9	24784.5	29471.6
77.5°	1015.3	1075.8	1254.6	1856.9	2312.0	1809.6	1767.5	5844.3	11751.8	11809.7
80°	815.4	854.8	952.1	1307.2	1772.8	1354.6	1152.0	2359.3	3713.9	3143.1
82.5°	599.7	665.4	804.8	917.9	1267.8	933.7	702.3	1191.5	1412.4	1215.2
85°	341.9	386.6	486.6	657.6	810.1	570.8	402.4	528.7	657.6	539.2
87.5°	121.0	157.8	171.0	257.8	352.4	236.7	155.2	152.6	215.7	160.4
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°
7267.3	0°	7267.3	7267.3	7267.3	7267.3	7267.3	7267.3	7267.3	7267.3	7267.3	7267.3
7346.2	2.5°	7319.9	7306.7	7254.1	7183.1	7109.5	7038.5	7014.8	6964.8	6930.6	6912.2
7517.2	5°	7467.2	7425.1	7301.5	7143.7	6978.0	6799.1	6672.9	6557.1	6473.0	6394.1
7751.2	7.5°	7677.6	7604.0	7390.9	7114.7	6820.2	6522.9	6302.0	6133.7	6020.6	5946.9
8024.8	10°	7922.2	7809.1	7483.0	7070.0	6615.0	6188.9	5928.5	5783.8	5712.8	5673.4
8337.8	12.5°	8203.6	8043.2	7577.7	6967.4	6302.0	5815.4	5636.6	5594.5	5597.1	5599.7
8732.3	15°	8550.8	8327.3	7653.9	6743.9	5894.3	5528.7	5497.2	5565.5	5636.6	5670.7
9179.5	17.5°	8942.7	8627.1	7667.1	6375.6	5494.5	5344.6	5444.5	5591.8	5699.7	5747.0
9679.2	20°	9363.6	8932.2	7572.4	5854.9	5165.7	5194.7	5373.5	5562.9	5681.3	5741.8
10250.0	22.5°	9844.9	9258.4	7346.2	5307.8	4897.5	5031.6	5242.0	5426.1	5549.8	5610.3
10920.7	25°	10394.6	9624.0	6991.1	4847.5	4666.0	4847.5	5057.9	5210.5	5310.4	5365.6
11670.3	27.5°	11004.8	10005.3	6517.7	4481.9	4463.5	4658.1	4831.7	4950.1	5002.7	5044.8
12467.2	30°	11617.7	10352.5	5944.3	4205.7	4287.3	4471.4	4595.0	4647.6	4663.4	4671.3
13356.2	32.5°	12280.5	10652.4	5342.0	3976.9	4118.9	4289.9	4363.5	4387.2	4313.6	4263.6
14434.6	35°	13082.7	10973.3	4752.8	3795.4	3953.2	4100.5	4124.2	4103.1	4016.3	3913.8
15786.6	37.5°	14074.3	11373.1	4282.0	3666.5	3798.0	3895.4	3866.4	3861.2	3869.0	3748.1
17412.0	40°	15289.4	11893.8	3937.4	3566.6	3671.8	3692.8	3611.3	3656.0	3695.5	3511.3
19195.3	42.5°	16638.8	12522.5	3719.1	3498.2	3566.6	3516.6	3390.3	3440.3	3435.1	3193.1
20986.5	45°	18014.4	13206.3	3642.9	3448.2	3469.3	3369.3	3229.9	3243.1	3132.6	2914.3
22704.0	47.5°	19382.1	13940.1	3690.2	3406.1	3348.3	3235.2	3127.3	3069.5	2906.4	2743.3
24350.5	50°	20723.5	14710.8	3863.8	3322.0	3182.6	3116.8	3037.9	2935.3	2761.7	2622.3
25907.6	52.5°	21967.6	15486.7	4058.4	3182.6	2974.8	3014.2	2964.3	2845.9	2674.9	2532.9
27380.6	55°	23145.9	16262.6	4134.7	2990.6	2780.1	2924.8	2895.9	2677.6	2472.4	2356.7
28921.9	57.5°	24429.5	17196.4	4050.5	2745.9	2622.3	2822.2	2711.8	2469.8	2351.4	2264.6
30928.7	60°	26207.5	18661.4	3869.0	2443.5	2472.4	2669.7	2480.3	2380.3	2251.5	2154.1
33937.7	62.5°	29161.2	21394.2	3577.1	2143.6	2296.2	2443.5	2369.8	2269.9	2138.4	2043.7
39082.4	65°	33527.4	25192.2	3027.4	1909.5	2098.9	2222.5	2251.5	2151.5	2014.7	1914.8
43590.6	67.5°	37209.7	27575.2	2290.9	1714.9	1896.4	2043.7	2125.2	2027.9	1883.2	1785.9
44645.3	70°	37007.1	25844.5	1749.1	1522.9	1717.5	1867.5	1972.7	1896.4	1741.2	1649.1
40552.7	72.5°	32869.8	21620.4	1415.1	1328.3	1536.0	1683.3	1809.6	1751.7	1593.9	1504.5
29708.3	75°	24148.0	15347.3	1131.0	1131.0	1309.8	1491.3	1630.7	1593.9	1449.2	1386.1
12472.5	77.5°	10178.9	6438.8	886.4	939.0	1088.9	1280.9	1454.5	1467.7	1341.4	1420.3
3298.3	80°	2706.5	1775.4	676.0	739.1	854.8	1057.3	1265.1	1259.9	1123.1	1049.5
1225.7	82.5°	1031.0	699.6	481.3	520.8	618.1	810.1	1002.1	1033.7	896.9	775.9
481.3	85°	397.2	299.8	297.2	313.0	360.3	536.6	757.5	783.8	676.0	573.4
134.1	87.5°	102.6	89.4	110.5	105.2	165.7	286.7	434.0	449.8	412.9	239.3
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°
7267.3
6933.3
6425.6
5962.7
5683.9
5605.0
5668.1
5757.5
5757.5
5626.0
5381.4
5060.5
4689.7
4279.4
3919.0
3755.9
3516.6
3190.5
2922.2
2743.3
2611.8
2535.5
2346.2
2256.7
2148.9
2043.7
1920.1
1788.5
1657.0
1504.5
1367.7
1288.8
975.8
775.9
591.8
341.9
0.0

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