

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: P853163

Luminaire Tested: **GLAN-SB9A-930-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853163
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-SB9A-930-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27244 lumens
Efficiency: N/A
Efficacy: 106.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

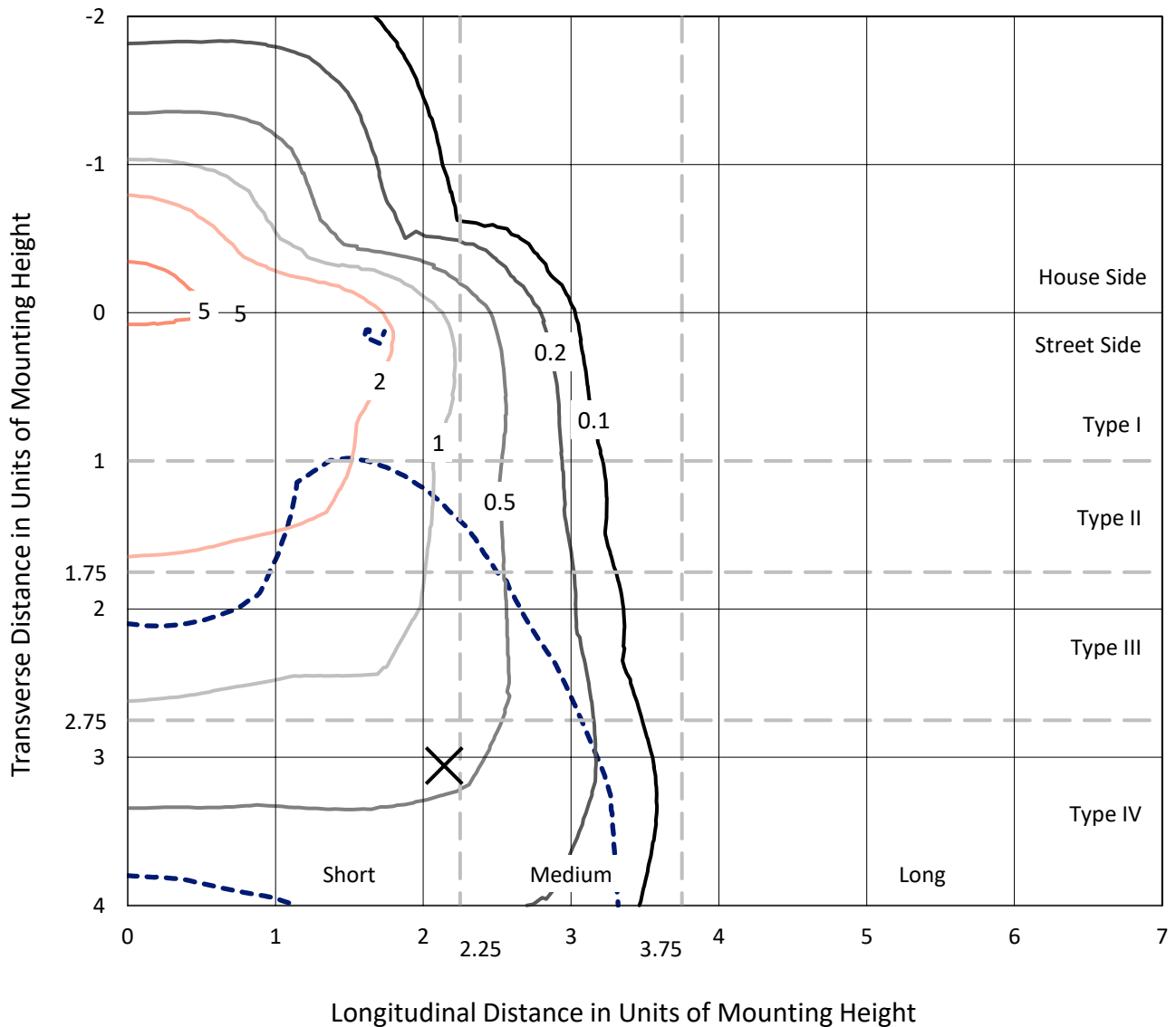
Input Watts (W): 255.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

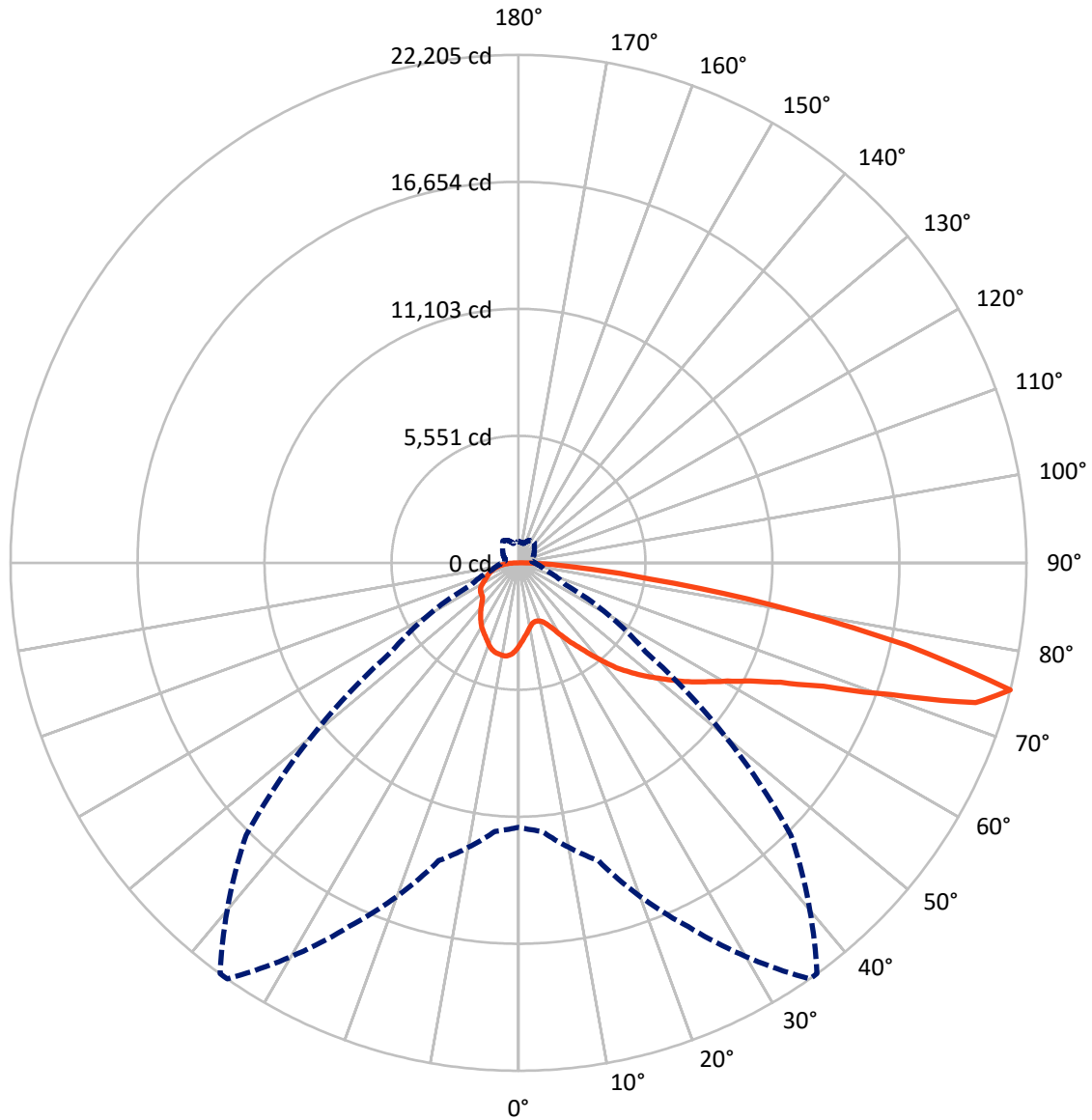
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 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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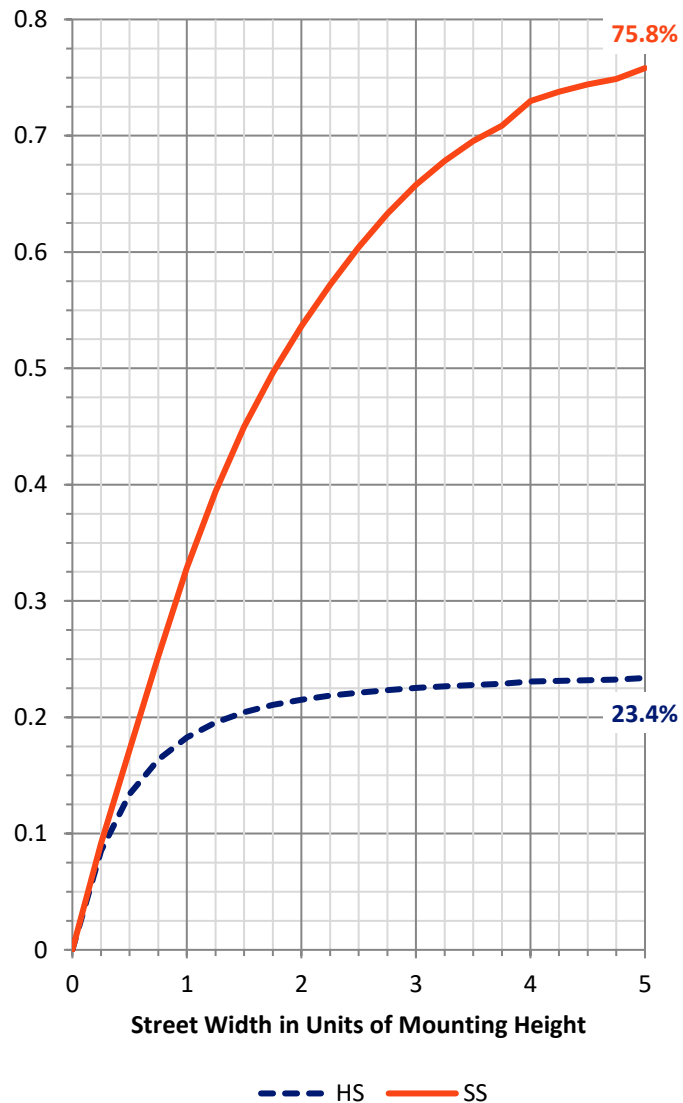
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6483.4	0.0	6483.4
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	20760.6	0.0	20760.6
	% Fixture	76.2	0.0	76.2
Total	Lumens	27244.0	0.0	27244.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	343.7	1.3
10°-20°	991.5	3.6
20°-30°	1664.9	6.1
30°-40°	2587.5	9.5
40°-50°	3840.6	14.1
50°-60°	5302.2	19.5
60°-70°	6432.7	23.6
70°-80°	5316.2	19.5
80°-90°	764.6	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°	27244.0	100.0
0°-180°	27244.0	100.0

Coefficient of Utilization

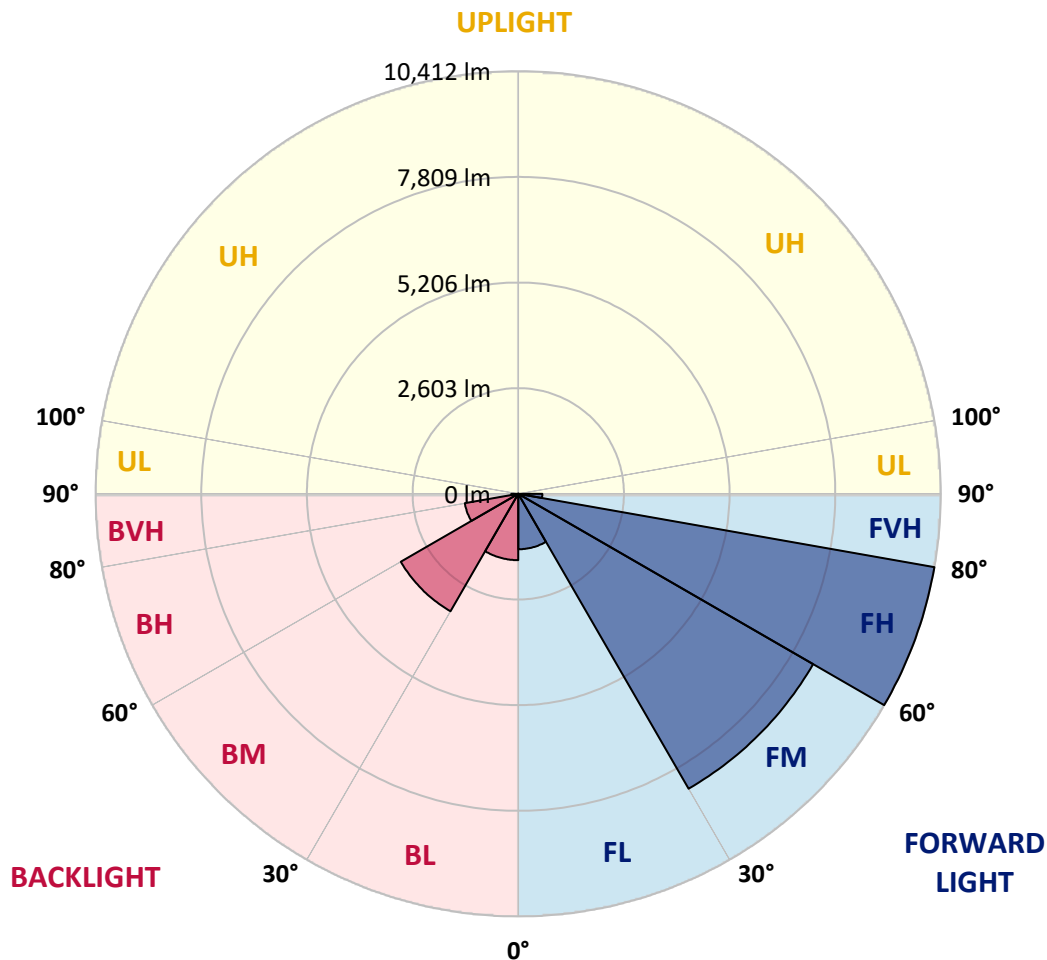


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1366.2	5.0			
FM (30°-60°)	8389.7	30.8			
FH (60°-80°)	10412.3	38.2			G4/12000
FVH (80°-90°)	592.5	2.2			G4/750
BL (0°-30°)	1633.9	6.0	B3/2500		
BM (30°-60°)	3340.6	12.3	B3/5000		
BH (60°-80°)	1336.7	4.9	B3/2500		G3/2500
BVH (80°-90°)	172.2	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-G4
 Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	3630.4	3630.4	3630.4	3630.4	3630.4	3630.4	3630.4	3630.4	3630.4	3630.4
2.5°	3347.7	3368.3	3377.1	3372.7	3394.8	3391.9	3422.8	3461.1	3514.1	3565.6
5°	3089.9	3112.0	3131.2	3148.8	3191.6	3204.8	3253.4	3327.1	3424.3	3522.9
7.5°	2849.9	2869.0	2898.5	2930.9	3003.0	3016.3	3097.3	3212.2	3347.7	3492.0
10°	2654.0	2673.1	2704.1	2740.9	2830.7	2846.9	2950.0	3103.2	3279.9	3462.5
12.5°	2570.0	2575.9	2593.6	2630.4	2708.5	2718.8	2832.2	3007.5	3213.6	3440.5
15°	2565.6	2577.4	2578.9	2598.0	2662.8	2667.2	2771.8	2945.6	3172.4	3436.0
17.5°	2609.8	2618.6	2605.4	2617.2	2671.7	2679.0	2761.5	2916.1	3159.2	3455.2
20°	2727.6	2735.0	2695.2	2679.0	2718.8	2724.7	2805.7	2935.3	3172.4	3494.9
22.5°	2978.0	2982.4	2885.2	2818.9	2821.9	2824.8	2895.5	3013.3	3224.0	3567.1
25°	3368.3	3365.3	3210.7	3082.6	3008.9	2992.7	3039.9	3140.0	3310.9	3662.8
27.5°	3824.9	3802.8	3648.1	3456.7	3296.1	3272.6	3262.2	3305.0	3434.6	3789.5
30°	4340.3	4319.7	4153.3	3902.9	3680.5	3642.2	3545.0	3522.9	3618.7	3961.8
32.5°	4905.9	4892.6	4693.8	4390.4	4092.9	4048.7	3885.2	3826.3	3901.4	4222.5
35°	5380.1	5368.3	5203.4	4891.2	4527.4	4472.9	4306.5	4240.2	4278.5	4556.8
37.5°	5808.7	5802.8	5661.4	5415.5	5039.9	4973.6	4786.6	4764.5	4757.1	4997.2
40°	6206.4	6191.6	6044.4	5914.8	5636.4	5576.0	5411.1	5391.9	5335.9	5539.2
42.5°	6646.7	6608.4	6394.9	6334.5	6259.4	6209.3	6110.6	6113.6	5989.9	6150.4
45°	7006.1	6984.0	6764.6	6729.2	6810.2	6789.6	6875.0	6897.1	6657.0	6791.1
47.5°	7392.0	7371.4	7185.8	7160.7	7380.2	7386.1	7688.0	7695.4	7308.0	7456.8
50°	7867.7	7838.2	7654.1	7685.1	7931.0	7953.1	8505.4	8455.3	7907.5	8132.8
52.5°	8181.4	8199.1	8159.3	8209.4	8545.2	8565.8	9309.6	9181.4	8501.0	8800.0
55°	8412.6	8448.0	8571.7	8686.6	9193.2	9213.8	10068.0	9872.2	8992.9	9418.5
57.5°	8710.1	8660.1	8891.3	9115.1	9808.8	9863.3	10805.9	10537.9	9428.9	9951.7
60°	9137.2	9101.9	9281.6	9613.0	10498.1	10585.0	11586.5	11137.3	9748.5	10374.4
62.5°	10003.2	9914.9	9942.9	10235.9	11367.1	11481.9	12467.2	11660.1	9907.5	10539.3
65°	11297.8	11146.1	11004.7	11208.0	12591.0	12704.4	13461.4	12071.1	9848.6	10219.7
67.5°	12928.2	12778.0	12604.2	12795.7	14393.7	14483.5	14688.2	12302.3	9384.7	8988.5
70°	14272.9	14216.9	14424.6	15212.5	17273.0	17275.9	16261.2	12110.8	8113.6	6372.8
72.5°	14094.7	14060.8	15155.1	17591.1	20902.0	20823.9	17750.2	10661.6	5465.6	2874.9
75°	11562.9	11782.4	13477.6	17548.4	22205.4	22195.1	16838.5	6777.8	2260.7	1191.5
77.5°	6200.5	6548.1	8749.9	12956.2	17334.8	17595.5	11838.4	2371.2	970.6	762.9
80°	2022.2	2325.5	3487.6	6596.7	11264.0	11215.4	5073.8	930.8	664.2	540.5
82.5°	858.6	894.0	1558.2	3115.0	5780.7	5690.9	1615.7	534.6	466.9	369.7
85°	335.8	375.6	687.8	1440.4	2503.8	2449.3	583.2	265.1	299.0	241.5
87.5°	110.5	134.0	246.0	493.4	779.1	751.1	142.9	91.3	129.6	110.5
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°
3630.4	0°	3630.4	3630.4	3630.4	3630.4	3630.4	3630.4	3630.4	3630.4	3630.4	3630.4
3640.8	2.5°	3661.4	3684.9	3712.9	3754.2	3789.5	3819.0	3849.9	3869.0	3876.4	3898.5
3646.6	5°	3687.9	3739.4	3808.7	3876.4	3942.7	3982.4	4017.8	4035.5	4051.7	4063.4
3662.8	7.5°	3732.1	3798.3	3907.3	3995.7	4051.7	4084.1	4107.6	4101.7	4107.6	4110.6
3680.5	10°	3770.4	3863.1	3992.8	4076.7	4119.4	4120.9	4115.0	4094.4	4084.1	4085.5
3707.0	12.5°	3816.0	3919.1	4059.0	4129.7	4141.5	4109.1	4084.1	4048.7	4035.5	4029.6
3746.8	15°	3877.9	3995.7	4131.2	4157.7	4128.3	4087.0	4044.3	3986.9	3957.4	3933.8
3814.5	17.5°	3953.0	4082.6	4187.2	4168.0	4104.7	4036.9	3967.7	3880.8	3820.4	3795.4
3907.3	20°	4057.6	4173.9	4229.9	4145.9	4050.2	3947.1	3829.3	3723.2	3667.3	3642.2
4025.2	22.5°	4184.2	4296.2	4271.1	4107.6	3972.1	3807.2	3659.9	3581.8	3553.9	3536.2
4176.9	25°	4335.9	4431.6	4300.6	4051.7	3844.0	3621.6	3508.2	3483.2	3469.9	3456.7
4362.4	27.5°	4533.3	4584.8	4322.7	3969.2	3643.7	3424.3	3383.0	3387.4	3383.0	3360.9
4620.2	30°	4794.0	4783.6	4343.3	3835.2	3413.9	3246.0	3249.0	3268.1	3271.1	3256.4
4979.5	32.5°	5137.1	5032.6	4353.6	3661.4	3194.5	3089.9	3092.9	3113.5	3128.2	3103.2
5449.4	35°	5552.4	5322.7	4337.4	3443.4	3025.1	2941.2	2919.1	2925.0	2929.4	2905.8
6019.3	37.5°	6037.0	5648.2	4265.2	3201.9	2885.2	2795.4	2748.2	2708.5	2684.9	2662.8
6664.4	40°	6568.7	6003.1	4132.7	2966.2	2729.1	2640.7	2570.0	2494.9	2415.4	2385.9
7347.8	42.5°	7125.4	6368.4	3972.1	2740.9	2549.4	2477.2	2402.1	2293.1	2173.8	2113.5
8057.7	45°	7702.7	6742.5	3814.5	2518.5	2365.3	2334.4	2247.5	2116.4	1986.8	1910.2
8769.0	47.5°	8268.3	7095.9	3583.3	2294.6	2193.0	2226.9	2159.1	2038.4	1894.0	1773.2
9474.5	50°	8808.8	7427.3	3204.8	2067.8	2053.1	2194.5	2129.7	1955.9	1790.9	1636.3
10166.7	52.5°	9344.9	7695.4	2720.3	1861.6	1978.0	2185.6	2091.4	1899.9	1698.1	1536.1
10817.7	55°	9800.0	7833.8	2253.4	1684.9	1869.0	2110.5	2045.7	1833.6	1567.1	1394.7
11264.0	57.5°	10059.2	7721.9	1864.6	1511.1	1718.8	1986.8	1967.7	1692.2	1410.9	1278.4
11350.9	60°	9947.3	7268.3	1546.4	1359.4	1575.9	1852.8	1832.2	1552.3	1291.6	1166.5
10885.5	62.5°	9330.2	6403.7	1294.6	1226.8	1446.3	1715.8	1696.7	1444.8	1200.3	1079.6
9649.8	65°	8087.1	5209.3	1098.7	1116.4	1315.2	1550.9	1578.8	1355.0	1128.2	1010.3
7465.6	67.5°	6168.1	3773.3	945.5	1020.6	1187.1	1388.8	1469.9	1290.2	1067.8	955.8
4319.7	70°	3515.6	2142.9	815.9	927.9	1073.7	1238.6	1385.9	1238.6	1003.0	910.2
1618.6	72.5°	1332.9	983.8	705.5	835.1	964.7	1112.0	1293.1	1157.6	927.9	858.6
836.5	75°	711.4	599.4	593.5	726.1	839.5	988.2	1176.8	1078.1	871.9	907.2
578.8	77.5°	484.6	424.2	496.3	621.5	702.5	851.3	1053.1	957.3	755.5	752.6
400.6	80°	335.8	300.5	403.5	500.8	543.5	715.8	919.0	821.8	615.6	574.4
247.4	82.5°	201.8	195.9	301.9	374.1	384.4	552.3	761.4	689.3	503.7	438.9
147.3	85°	110.5	116.4	192.9	219.4	223.9	385.9	596.5	533.2	387.3	325.5
53.0	87.5°	30.9	39.8	70.7	86.9	107.5	200.3	354.9	316.7	194.4	135.5
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°
3630.4
3897.0
4066.4
4115.0
4088.5
4026.6
3941.2
3796.9
3639.3
3539.1
3456.7
3365.3
3263.7
3115.0
2922.0
2677.5
2399.2
2120.8
1904.3
1760.0
1623.0
1518.5
1380.0
1260.7
1148.8
1060.4
991.2
938.2
898.4
846.9
936.7
693.7
549.4
441.8
328.4
135.5
0.0

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