

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: P852721

Luminaire Tested: **GLAN-SB5D-930-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852721
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-SB5D-930-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34276 lumens
Efficiency: N/A
Efficacy: 93.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

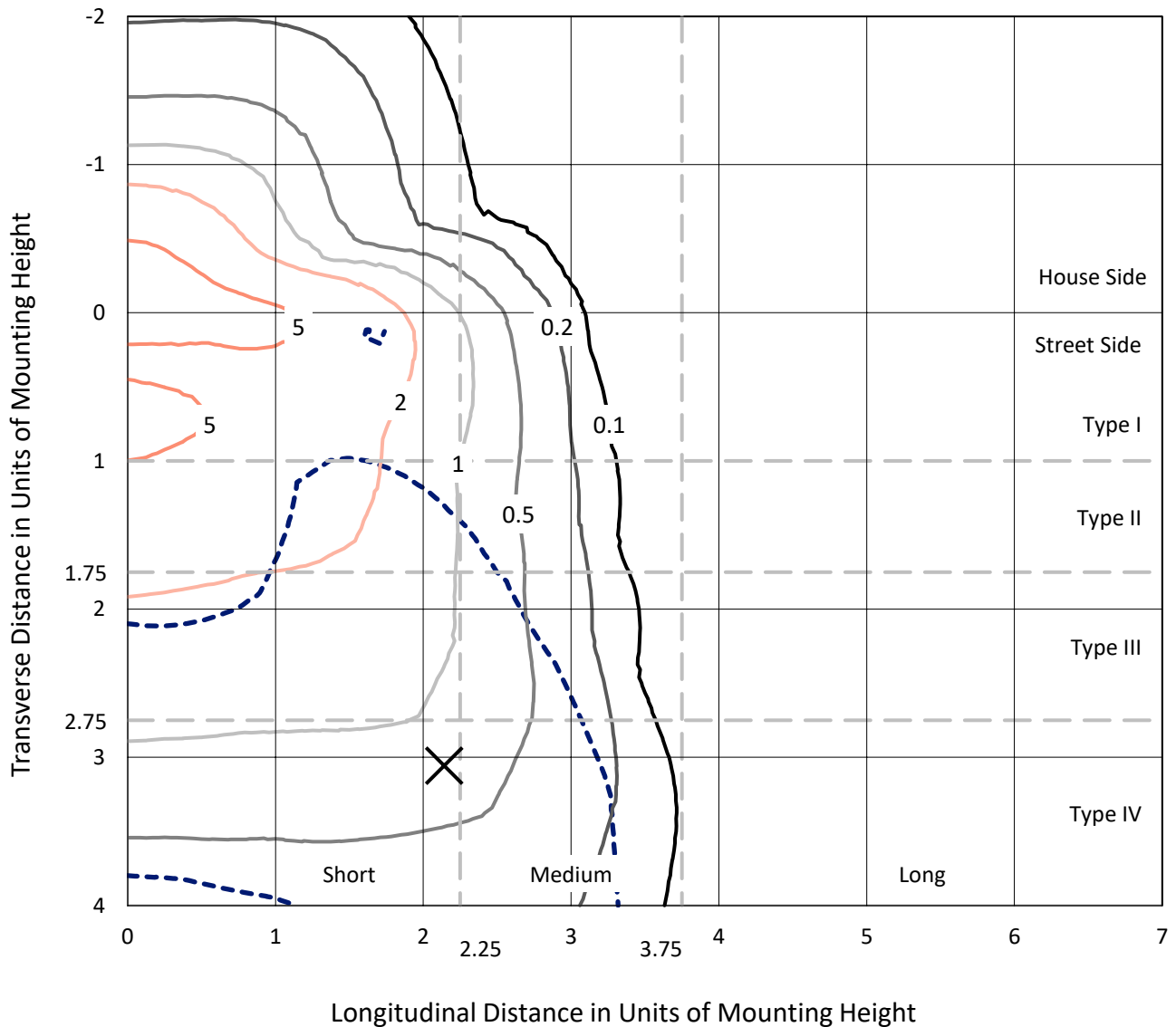
Input Watts (W): 364.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

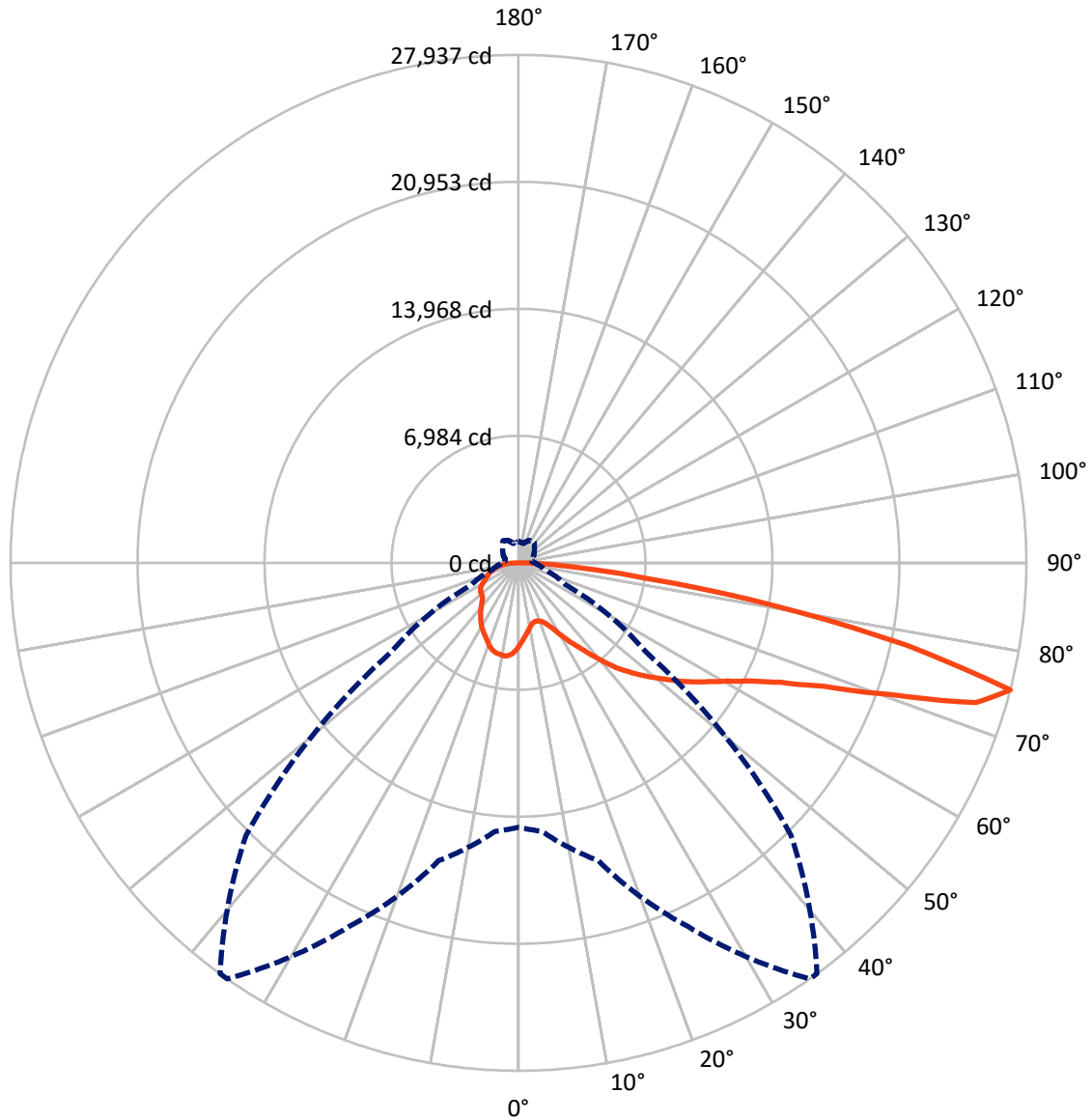
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.1 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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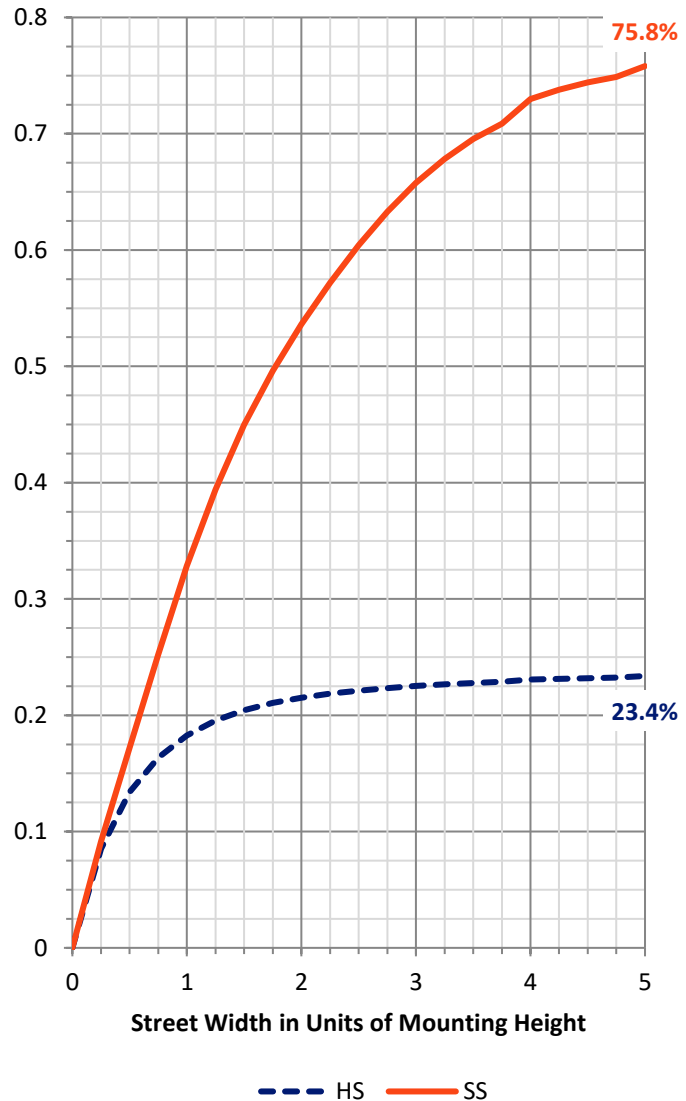
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8156.8	0.0	8156.8
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	26119.2	0.0	26119.2
	% Fixture	76.2	0.0	76.2
Total	Lumens	34276.0	0.0	34276.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	432.5	1.3
10°-20°	1247.4	3.6
20°-30°	2094.7	6.1
30°-40°	3255.4	9.5
40°-50°	4831.9	14.1
50°-60°	6670.7	19.5
60°-70°	8093.1	23.6
70°-80°	6688.3	19.5
80°-90°	962.0	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°	34276.0	100.0
0°-180°	34276.0	100.0

Coefficient of Utilization

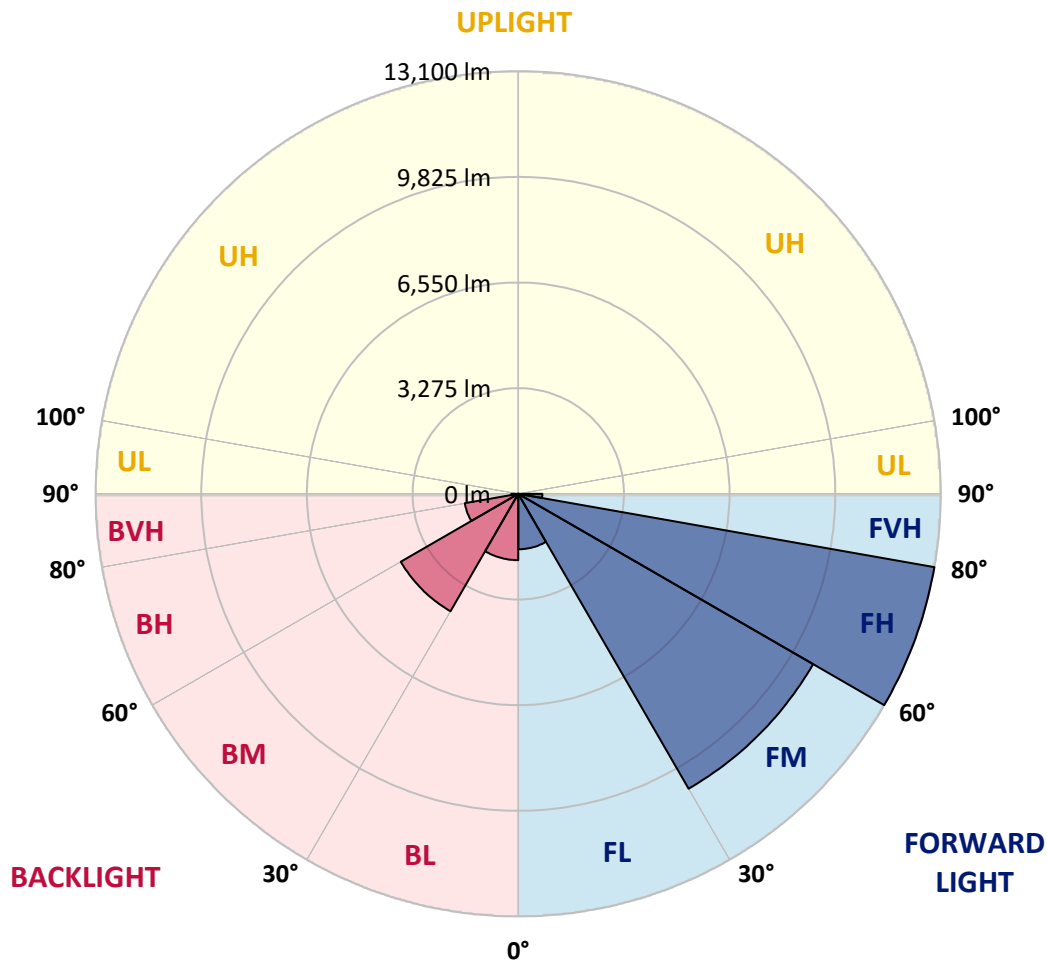


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1718.9	5.0			
FM (30°-60°)	10555.2	30.8			
FH (60°-80°)	13099.8	38.2			G5
FVH (80°-90°)	745.4	2.2			G4/750
BL (0°-30°)	2055.6	6.0	B3/2500		
BM (30°-60°)	4202.9	12.3	B3/5000		
BH (60°-80°)	1681.7	4.9	B3/2500		G3/2500
BVH (80°-90°)	216.6	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°	4567.5	4567.5	4567.5	4567.5	4567.5	4567.5	4567.5	4567.5	4567.5	4567.5
2.5°	4211.7	4237.7	4248.8	4243.2	4271.0	4267.3	4306.2	4354.4	4421.1	4486.0
5°	3887.5	3915.3	3939.4	3961.6	4015.3	4032.0	4093.2	4185.8	4308.1	4432.2
7.5°	3585.4	3609.5	3646.6	3687.4	3778.2	3794.8	3896.7	4041.3	4211.7	4393.3
10°	3339.0	3363.1	3402.0	3448.3	3561.4	3581.7	3711.4	3904.2	4126.5	4356.3
12.5°	3233.4	3240.8	3263.0	3309.4	3407.6	3420.5	3563.2	3783.7	4043.1	4328.5
15°	3227.8	3242.7	3244.5	3268.6	3350.1	3355.7	3487.2	3705.9	3991.2	4322.9
17.5°	3283.4	3294.5	3277.9	3292.7	3361.2	3370.5	3474.3	3668.8	3974.6	4347.0
20°	3431.7	3440.9	3390.9	3370.5	3420.5	3427.9	3529.9	3692.9	3991.2	4397.0
22.5°	3746.7	3752.2	3629.9	3546.5	3550.2	3553.9	3642.9	3791.1	4056.1	4487.8
25°	4237.7	4234.0	4039.4	3878.2	3785.6	3765.2	3824.5	3950.5	4165.4	4608.3
27.5°	4812.1	4784.3	4589.7	4348.9	4146.9	4117.2	4104.3	4158.0	4321.1	4767.6
30°	5460.6	5434.7	5225.3	4910.3	4630.5	4582.3	4460.0	4432.2	4552.7	4984.4
32.5°	6172.2	6155.5	5905.3	5523.6	5149.3	5093.7	4888.1	4814.0	4908.5	5312.4
35°	6768.8	6754.0	6546.5	6153.6	5696.0	5627.4	5418.0	5334.6	5382.8	5733.0
37.5°	7308.0	7300.6	7122.7	6813.3	6340.8	6257.4	6022.1	5994.3	5985.0	6287.0
40°	7808.3	7789.8	7604.5	7441.4	7091.2	7015.2	6807.7	6783.6	6713.2	6968.9
42.5°	8362.3	8314.2	8045.5	7969.5	7875.0	7812.0	7687.9	7691.6	7535.9	7737.9
45°	8814.5	8786.7	8510.6	8466.1	8568.0	8542.1	8649.5	8677.3	8375.3	8543.9
47.5°	9299.9	9274.0	9040.5	9009.0	9285.1	9292.5	9672.4	9681.6	9194.3	9381.5
50°	9898.4	9861.4	9629.8	9668.7	9978.1	10005.9	10700.8	10637.8	9948.5	10232.0
52.5°	10293.1	10315.3	10265.3	10328.3	10750.8	10776.7	11712.5	11551.3	10695.2	11071.3
55°	10584.0	10628.5	10784.1	10928.7	11566.1	11592.0	12666.7	12420.3	11314.1	11849.6
57.5°	10958.3	10895.3	11186.2	11467.9	12340.6	12409.2	13595.1	13257.8	11862.6	12520.3
60°	11495.7	11451.2	11677.3	12094.2	13207.8	13317.1	14577.1	14012.0	12264.6	13052.1
62.5°	12585.2	12474.0	12509.2	12878.0	14301.0	14445.6	15685.2	14669.8	12464.8	13259.7
65°	14213.9	14023.1	13845.2	14100.9	15840.8	15983.5	16935.9	15186.7	12390.6	12857.6
67.5°	16265.1	16076.1	15857.5	16098.4	18108.8	18221.9	18479.4	15477.6	11807.0	11308.5
70°	17956.9	17886.5	18147.7	19139.1	21731.3	21735.0	20458.4	15236.8	10207.9	8017.7
72.5°	17732.7	17690.1	19066.8	22131.6	26297.0	26198.8	22331.7	13413.5	6876.3	3616.9
75°	14547.5	14823.6	16956.3	22077.8	27936.8	27923.9	21184.7	8527.3	2844.3	1499.0
77.5°	7800.9	8238.2	11008.3	16300.4	21809.2	22137.1	14894.0	2983.2	1221.1	959.8
80°	2544.1	2925.8	4387.8	8299.3	14171.3	14110.2	6383.4	1171.1	835.7	680.0
82.5°	1080.3	1124.7	1960.4	3919.0	7272.8	7159.8	2032.7	672.6	587.4	465.1
85°	422.5	472.5	865.3	1812.2	3150.0	3081.4	733.8	333.5	376.1	303.9
87.5°	139.0	168.6	309.4	620.7	980.2	945.0	179.7	114.9	163.1	139.0
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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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
4567.5	0°	4567.5	4567.5	4567.5	4567.5	4567.5	4567.5	4567.5	4567.5	4567.5	4567.5
4580.5	2.5°	4606.4	4636.1	4671.3	4723.2	4767.6	4804.7	4843.6	4867.7	4877.0	4904.7
4587.9	5°	4639.8	4704.6	4791.7	4877.0	4960.3	5010.4	5054.8	5077.1	5097.5	5112.3
4608.3	7.5°	4695.4	4778.7	4915.9	5027.0	5097.5	5138.2	5167.9	5160.5	5167.9	5171.6
4630.5	10°	4743.5	4860.3	5023.3	5129.0	5182.7	5184.5	5177.1	5151.2	5138.2	5140.1
4663.9	12.5°	4801.0	4930.7	5106.7	5195.7	5210.5	5169.7	5138.2	5093.7	5077.1	5069.7
4713.9	15°	4878.8	5027.0	5197.5	5230.9	5193.8	5141.9	5088.2	5015.9	4978.9	4949.2
4799.1	17.5°	4973.3	5136.4	5267.9	5243.8	5164.2	5078.9	4991.8	4882.5	4806.5	4775.0
4915.9	20°	5104.9	5251.2	5321.7	5216.0	5095.6	4965.9	4817.7	4684.2	4613.8	4582.3
5064.1	22.5°	5264.2	5405.0	5373.5	5167.9	4997.4	4789.9	4604.6	4506.4	4471.2	4448.9
5255.0	25°	5455.1	5575.5	5410.6	5097.5	4836.2	4556.4	4413.7	4382.2	4365.5	4348.9
5488.4	27.5°	5703.4	5768.2	5438.4	4993.7	4584.2	4308.1	4256.2	4261.8	4256.2	4228.4
5812.7	30°	6031.3	6018.4	5464.3	4825.1	4295.1	4083.9	4087.6	4111.7	4115.4	4096.9
6264.8	32.5°	6463.1	6331.5	5477.3	4606.4	4019.0	3887.5	3891.2	3917.1	3935.7	3904.2
6855.9	35°	6985.6	6696.5	5456.9	4332.2	3805.9	3700.3	3672.5	3679.9	3685.5	3655.9
7573.0	37.5°	7595.2	7106.0	5366.1	4028.3	3629.9	3516.9	3457.6	3407.6	3377.9	3350.1
8384.6	40°	8264.1	7552.6	5199.4	3731.8	3433.5	3322.3	3233.4	3138.9	3038.8	3001.8
9244.3	42.5°	8964.5	8012.1	4997.4	3448.3	3207.4	3116.7	3022.2	2885.0	2734.9	2659.0
10137.5	45°	9690.9	8482.8	4799.1	3168.5	2975.8	2936.9	2827.6	2662.7	2499.6	2403.3
11032.4	47.5°	10402.4	8927.5	4508.2	2886.9	2759.0	2801.7	2716.4	2564.5	2382.9	2230.9
11920.0	50°	11082.5	9344.4	4032.0	2601.5	2583.0	2760.9	2679.4	2460.7	2253.2	2058.6
12790.9	52.5°	11756.9	9681.6	3422.4	2342.1	2488.5	2749.8	2631.2	2390.3	2136.4	1932.6
13609.9	55°	12329.5	9855.8	2835.0	2119.8	2351.4	2655.3	2573.7	2306.9	1971.5	1754.7
14171.3	57.5°	12655.6	9715.0	2345.8	1901.1	2162.4	2499.6	2475.5	2129.0	1775.1	1608.4
14280.6	60°	12514.8	9144.3	1945.6	1710.3	1982.7	2331.0	2305.1	1953.0	1625.0	1467.5
13695.1	62.5°	11738.4	8056.6	1628.7	1543.5	1819.6	2158.7	2134.6	1817.7	1510.1	1358.2
12140.5	65°	10174.5	6553.9	1382.3	1404.5	1654.7	1951.2	1986.4	1704.7	1419.4	1271.1
9392.6	67.5°	7760.1	4747.2	1189.6	1284.1	1493.5	1747.3	1849.2	1623.2	1343.4	1202.6
5434.7	70°	4423.0	2696.0	1026.5	1167.4	1350.8	1558.3	1743.6	1558.3	1261.9	1145.1
2036.4	72.5°	1676.9	1237.8	887.6	1050.6	1213.7	1399.0	1626.9	1456.4	1167.4	1080.3
1052.5	75°	895.0	754.1	746.7	913.5	1056.2	1243.3	1480.5	1356.4	1096.9	1141.4
728.2	77.5°	609.6	533.6	624.4	781.9	883.9	1071.0	1324.9	1204.4	950.6	946.9
504.0	80°	422.5	378.0	507.7	630.0	683.7	900.5	1156.2	1033.9	774.5	722.6
311.3	82.5°	253.9	246.4	379.9	470.6	483.6	694.9	958.0	867.2	633.7	552.2
185.3	85°	139.0	146.4	242.7	276.1	281.6	485.5	750.4	670.8	487.3	409.5
66.7	87.5°	38.9	50.0	88.9	109.3	135.3	252.0	446.6	398.4	244.6	170.5
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°
4567.5
4902.9
5116.0
5177.1
5143.8
5066.0
4958.5
4776.9
4578.6
4452.6
4348.9
4234.0
4106.1
3919.0
3676.2
3368.7
3018.4
2668.2
2395.9
2214.3
2041.9
1910.4
1736.2
1586.1
1445.3
1334.1
1247.0
1180.3
1130.3
1065.4
1178.5
872.7
691.1
555.9
413.2
170.5
0.0

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