

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: P848756

Luminaire Tested: **GLAN-SB5C-722-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848756
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB5C-722-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 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: 29312 lumens
Efficiency: N/A
Efficacy: 117.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

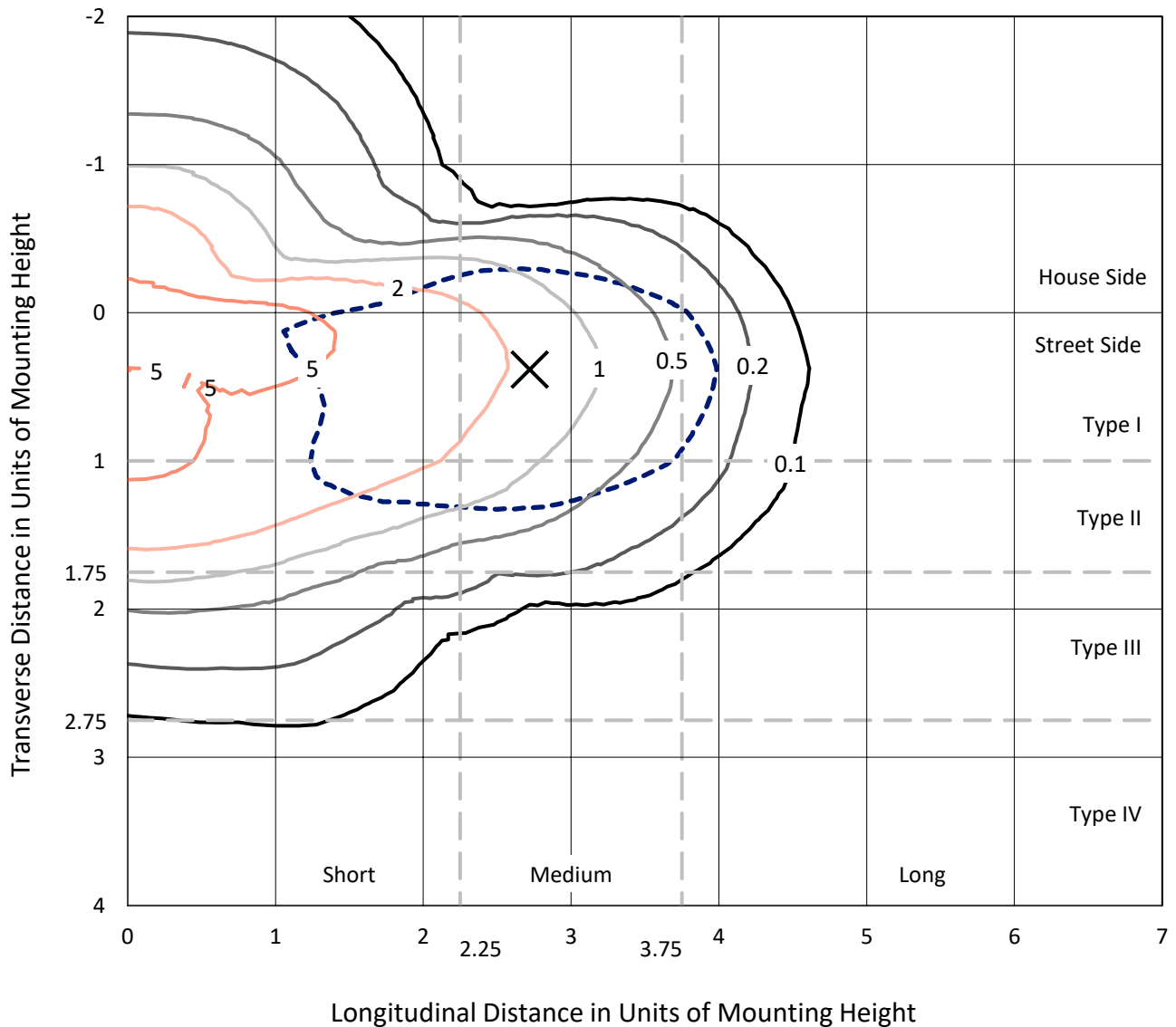
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

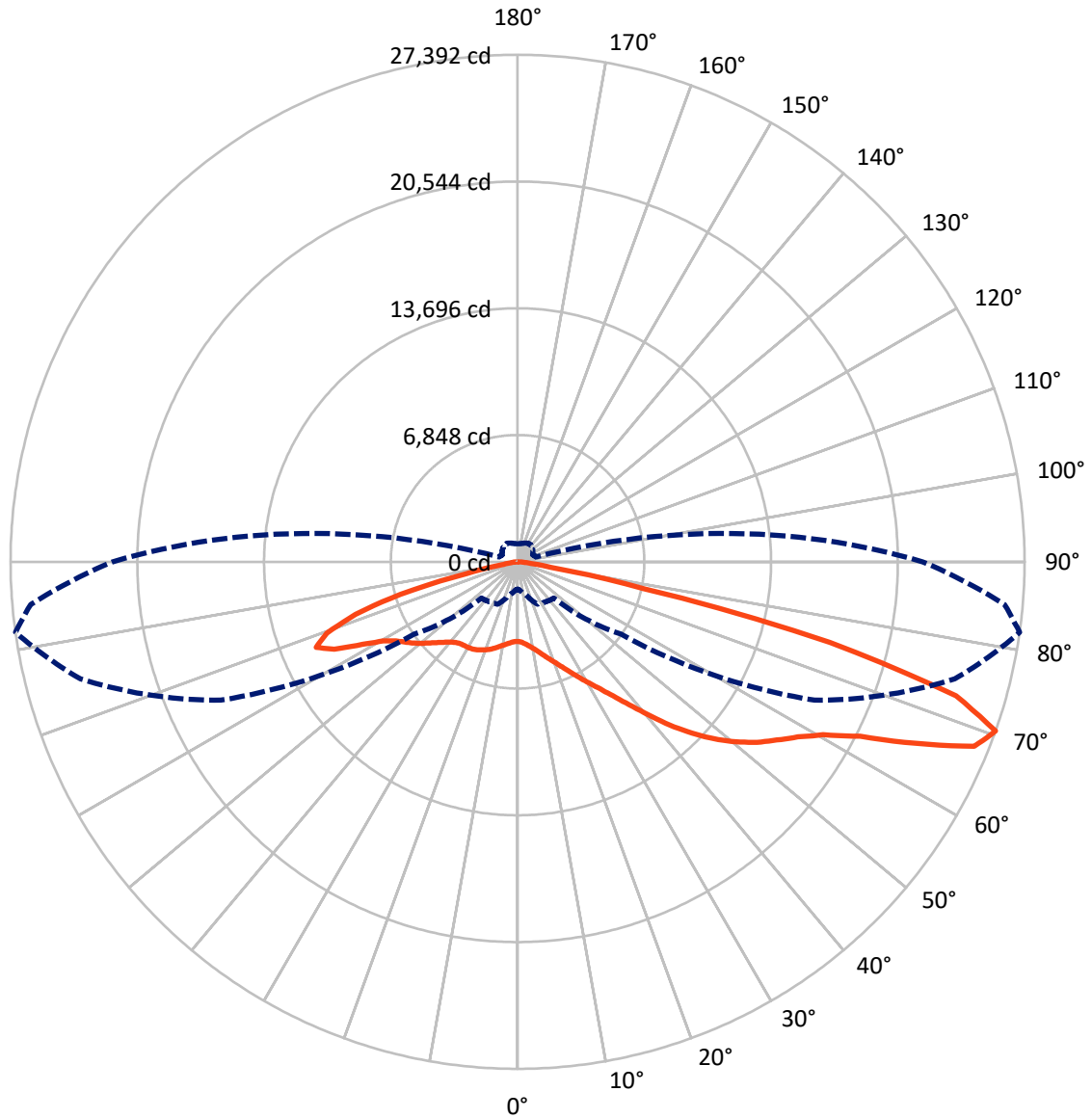
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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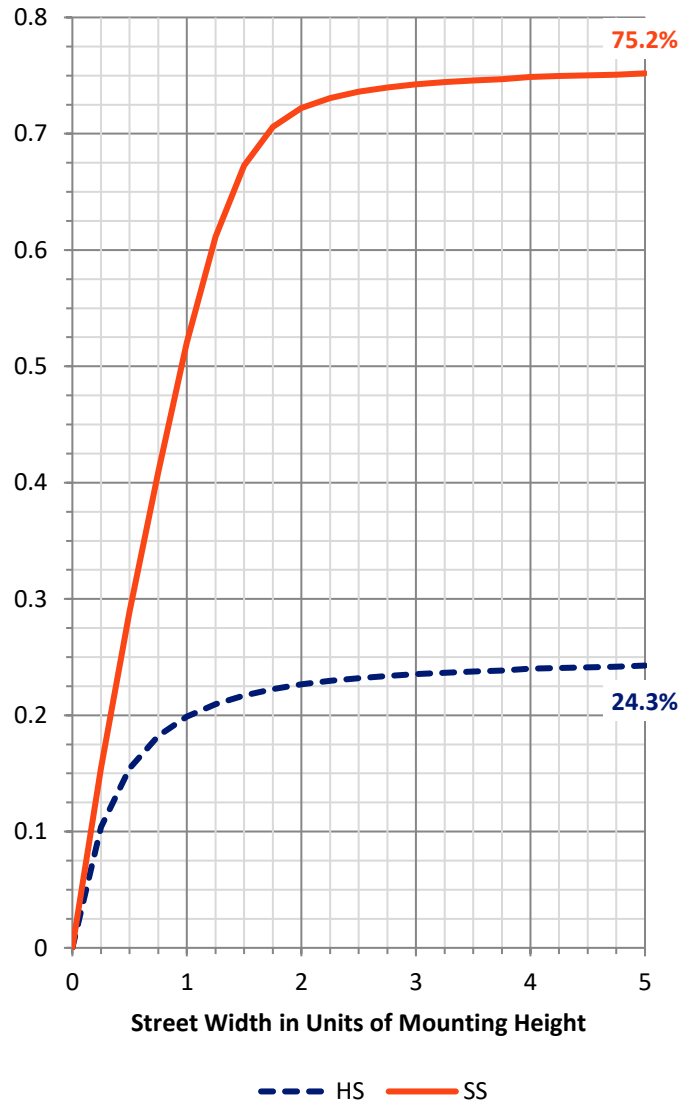
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7226.1	0.0	7226.1
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	22085.9	0.0	22085.9
	% Fixture	75.3	0.0	75.3
Total	Lumens	29312.0	0.0	29312.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	405.8	1.4
10°-20°	1165.8	4.0
20°-30°	1950.2	6.7
30°-40°	3046.8	10.4
40°-50°	4852.3	16.6
50°-60°	6752.6	23.0
60°-70°	7063.5	24.1
70°-80°	3691.8	12.6
80°-90°	383.3	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°	29312.0	100.0
0°-180°	29312.0	100.0

Coefficient of Utilization

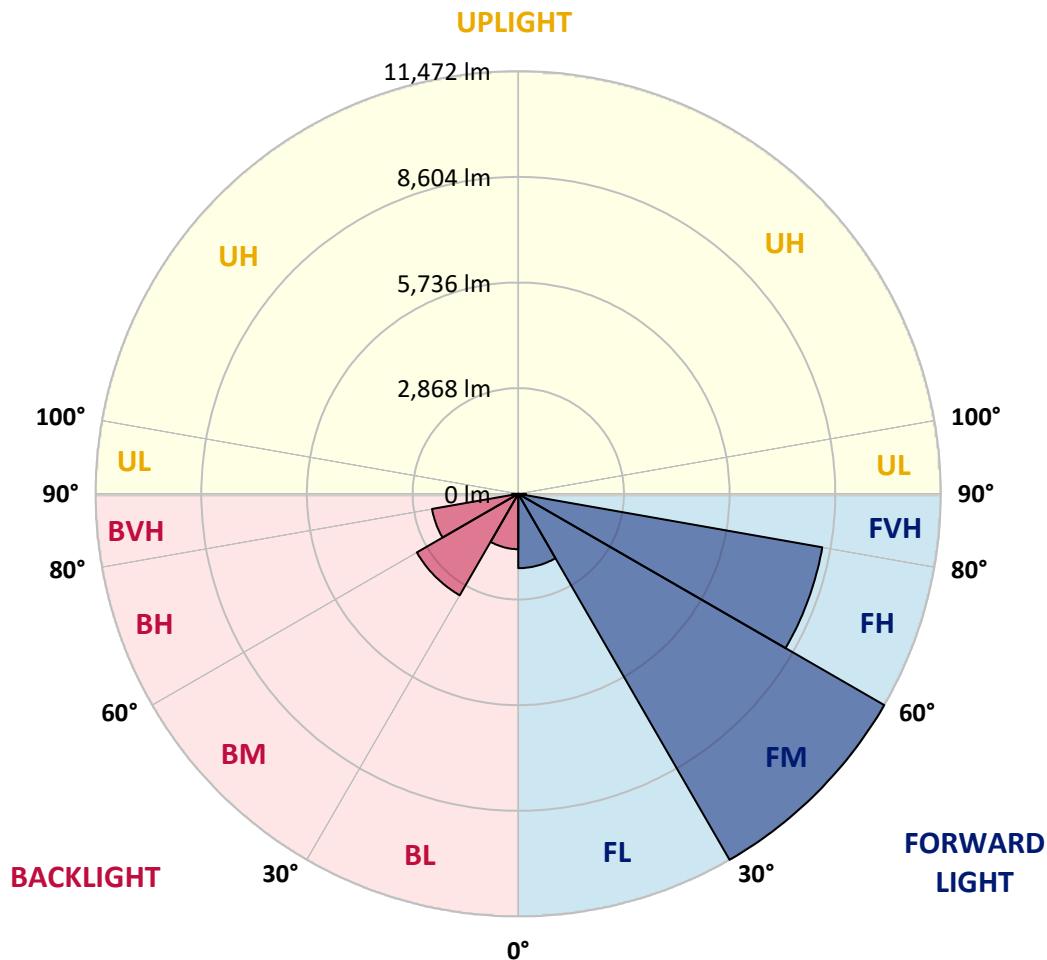


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2018.5	6.9			
FM (30°-60°)	11472.4	39.1			
FH (60°-80°)	8380.4	28.6			G4/12000
FVH (80°-90°)	214.6	0.7			G2/225
BL (0°-30°)	1503.3	5.1	B3/2500		
BM (30°-60°)	3179.2	10.8	B3/5000		
BH (60°-80°)	2374.9	8.1	B3/2500		G3/2500
BVH (80°-90°)	168.7	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 II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	4297.5	4297.5	4297.5	4297.5	4297.5	4297.5	4297.5	4297.5	4297.5	4297.5
2.5°	4400.2	4425.0	4417.3	4409.5	4409.5	4398.6	4397.0	4381.5	4369.1	4348.8
5°	4456.2	4482.6	4479.5	4485.7	4505.9	4510.6	4515.3	4505.9	4481.0	4456.2
7.5°	4406.4	4435.9	4445.3	4482.6	4544.8	4600.8	4642.8	4659.9	4636.6	4600.8
10°	4238.4	4271.1	4303.7	4392.4	4502.8	4635.0	4747.0	4813.9	4809.2	4775.0
12.5°	3897.8	3932.0	4002.0	4174.6	4376.8	4610.1	4818.6	4958.5	5006.8	4981.9
15°	3625.6	3655.1	3708.0	3885.3	4148.2	4502.8	4845.0	5117.2	5240.1	5226.1
17.5°	3617.8	3630.2	3662.9	3746.9	3949.1	4334.8	4817.0	5272.7	5507.6	5506.0
20°	3754.7	3759.3	3778.0	3795.1	3910.2	4207.3	4745.5	5401.8	5807.8	5807.8
22.5°	3944.4	3941.3	3960.0	3944.4	4000.4	4196.4	4700.3	5515.4	6142.2	6167.1
25°	4229.1	4213.5	4208.8	4173.1	4184.0	4297.5	4750.1	5644.5	6538.8	6590.1
27.5°	4608.6	4583.7	4566.6	4484.2	4456.2	4505.9	4902.5	5800.0	6980.5	7069.2
30°	5103.2	5058.1	5033.2	4890.1	4789.0	4796.8	5132.7	6006.9	7442.5	7585.6
32.5°	5778.2	5708.2	5641.4	5406.5	5221.4	5160.7	5429.8	6293.1	7943.3	8171.9
35°	6534.1	6478.1	6406.6	6044.2	5759.6	5619.6	5831.1	6692.8	8529.7	8892.1
37.5°	7262.1	7213.8	7248.1	6759.7	6392.6	6188.8	6356.8	7229.4	9252.9	9788.0
40°	8014.9	7977.5	7982.2	7515.6	7087.9	6859.2	6994.5	7902.9	10082.0	10853.4
42.5°	8833.0	8805.0	8711.7	8297.9	7817.3	7604.2	7728.7	8680.6	10971.6	12066.6
45°	9749.1	9732.0	9644.9	9170.5	8619.9	8380.4	8548.4	9539.1	11866.0	13208.3
47.5°	10540.8	10554.8	10543.9	10144.2	9573.3	9221.8	9422.5	10435.0	12698.1	14281.5
50°	10921.9	10995.0	11102.3	10977.8	10623.2	10265.5	10304.4	11299.8	13491.3	15287.8
52.5°	10722.8	10861.2	11153.6	11352.7	11489.6	11414.9	11310.7	12158.4	14237.9	16196.1
55°	9980.9	10175.3	10660.6	11141.2	11839.5	12382.4	12519.2	13110.3	14965.8	16995.6
57.5°	8629.2	8945.0	9380.5	10352.6	11528.5	12850.5	13928.4	14430.8	15737.3	17849.5
60°	6311.7	6734.8	7276.1	8722.6	10439.7	12600.1	15127.6	16459.0	16833.8	18955.4
62.5°	4039.3	4300.6	4798.3	6160.8	8134.6	11316.9	15494.7	18994.3	18692.5	20768.9
65°	2765.5	2933.4	3389.2	4154.4	5258.7	8423.9	14511.7	20894.9	21644.6	23643.3
67.5°	2009.5	2137.1	2525.9	3196.3	3426.5	4985.0	11260.9	20807.8	24514.3	26604.7
70°	1465.2	1555.4	1882.0	2525.9	2636.4	2773.2	6821.9	17687.7	24452.1	27391.7
72.5°	1085.7	1147.9	1367.2	1959.8	2134.0	1872.7	3376.7	12855.2	21011.6	24775.6
75°	785.5	832.1	993.9	1499.4	1707.8	1426.3	1684.5	7512.5	14656.3	17428.0
77.5°	600.4	636.1	741.9	1098.1	1367.2	1070.1	1045.2	3456.0	6949.4	6983.6
80°	482.2	505.5	563.0	773.0	1048.3	801.0	681.3	1395.2	2196.2	1858.7
82.5°	354.6	393.5	475.9	542.8	749.7	552.2	415.3	704.6	835.2	718.6
85°	202.2	228.6	287.7	388.8	479.1	337.5	238.0	312.6	388.8	318.9
87.5°	71.5	93.3	101.1	152.4	208.4	140.0	91.8	90.2	127.5	94.9
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°
4297.5	0°	4297.5	4297.5	4297.5	4297.5	4297.5	4297.5	4297.5	4297.5	4297.5	4297.5
4344.2	2.5°	4328.6	4320.8	4289.7	4247.7	4204.2	4162.2	4148.2	4118.6	4098.4	4087.5
4445.3	5°	4415.7	4390.8	4317.7	4224.4	4126.4	4020.6	3946.0	3877.6	3827.8	3781.1
4583.7	7.5°	4540.1	4496.6	4370.6	4207.3	4033.1	3857.3	3726.7	3627.1	3560.3	3516.7
4745.5	10°	4684.8	4617.9	4425.0	4180.9	3911.8	3659.8	3505.8	3420.3	3378.3	3354.9
4930.5	12.5°	4851.2	4756.3	4481.0	4120.2	3726.7	3438.9	3333.2	3308.3	3309.8	3311.4
5163.9	15°	5056.5	4924.3	4526.1	3988.0	3485.6	3269.4	3250.7	3291.2	3333.2	3353.4
5428.3	17.5°	5288.3	5101.6	4533.9	3770.2	3249.2	3160.5	3219.6	3306.7	3370.5	3398.5
5723.8	20°	5537.1	5282.1	4477.9	3462.3	3054.8	3071.9	3177.6	3289.6	3359.6	3395.4
6061.3	22.5°	5821.8	5474.9	4344.2	3138.8	2896.1	2975.4	3099.9	3208.7	3281.8	3317.6
6457.9	25°	6146.8	5691.1	4134.2	2866.6	2759.2	2866.6	2991.0	3081.2	3140.3	3173.0
6901.2	27.5°	6507.7	5916.7	3854.2	2650.4	2639.5	2754.6	2857.2	2927.2	2958.3	2983.2
7372.5	30°	6870.1	6122.0	3515.2	2487.0	2535.3	2644.1	2717.2	2748.4	2757.7	2762.3
7898.2	32.5°	7262.1	6299.3	3159.0	2351.7	2435.7	2536.8	2580.4	2594.4	2550.8	2521.3
8535.9	35°	7736.4	6489.0	2810.6	2244.4	2337.7	2424.8	2438.8	2426.4	2375.1	2314.4
9335.4	37.5°	8322.8	6725.4	2532.2	2168.2	2246.0	2303.5	2286.4	2283.3	2288.0	2216.4
10296.6	40°	9041.4	7033.4	2328.4	2109.1	2171.3	2183.7	2135.5	2162.0	2185.3	2076.4
11351.1	42.5°	9839.3	7405.1	2199.3	2068.7	2109.1	2079.5	2004.9	2034.4	2031.3	1888.2
12410.4	45°	10652.8	7809.5	2154.2	2039.1	2051.5	1992.4	1910.0	1917.8	1852.5	1723.4
13426.0	47.5°	11461.6	8243.5	2182.2	2014.2	1980.0	1913.1	1849.3	1815.1	1718.7	1622.3
14399.7	50°	12254.8	8699.2	2284.8	1964.4	1882.0	1843.1	1796.5	1735.8	1633.1	1550.7
15320.5	52.5°	12990.5	9158.1	2399.9	1882.0	1759.1	1782.5	1752.9	1682.9	1581.8	1497.8
16191.5	55°	13687.3	9616.9	2445.1	1768.5	1644.0	1729.6	1712.5	1583.4	1462.1	1393.6
17102.9	57.5°	14446.3	10169.1	2395.3	1623.8	1550.7	1668.9	1603.6	1460.5	1390.5	1339.2
18289.7	60°	15497.8	11035.4	2288.0	1444.9	1462.1	1578.7	1466.7	1407.6	1331.4	1273.9
20069.0	62.5°	17244.5	12651.4	2115.3	1267.6	1357.8	1444.9	1401.4	1342.3	1264.5	1208.5
23111.3	65°	19826.4	14897.4	1790.2	1129.2	1241.2	1314.3	1331.4	1272.3	1191.4	1132.3
25777.3	67.5°	22003.9	16306.6	1354.7	1014.1	1121.4	1208.5	1256.7	1199.2	1113.6	1056.1
26401.0	70°	21884.1	15283.1	1034.3	900.6	1015.7	1104.3	1166.5	1121.4	1029.7	975.2
23980.8	72.5°	19437.5	12785.2	836.8	785.5	908.3	995.4	1070.1	1035.9	942.6	889.7
17568.0	75°	14279.9	9075.6	668.8	668.8	774.6	881.9	964.3	942.6	857.0	819.7
7375.6	77.5°	6019.3	3807.6	524.2	555.3	643.9	757.5	860.1	867.9	793.2	839.9
1950.4	80°	1600.5	1049.9	399.7	437.1	505.5	625.3	748.1	745.0	664.1	620.6
724.8	82.5°	609.7	413.7	284.6	308.0	365.5	479.1	592.6	611.3	530.4	458.8
284.6	85°	234.9	177.3	175.8	185.1	213.1	317.3	447.9	463.5	399.7	339.1
79.3	87.5°	60.7	52.9	65.3	62.2	98.0	169.5	256.6	266.0	244.2	141.5
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°
4297.5
4100.0
3799.8
3526.0
3361.2
3314.5
3351.8
3404.7
3404.7
3327.0
3182.3
2992.5
2773.2
2530.6
2317.5
2221.1
2079.5
1886.7
1728.0
1622.3
1544.5
1499.4
1387.4
1334.5
1270.7
1208.5
1135.4
1057.7
979.9
889.7
808.8
762.1
577.0
458.8
350.0
202.2
0.0

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