

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: P849046

Luminaire Tested: **GLAN-SB5D-927-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849046
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-SB5D-927-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32800 lumens
Efficiency: N/A
Efficacy: 89.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G4

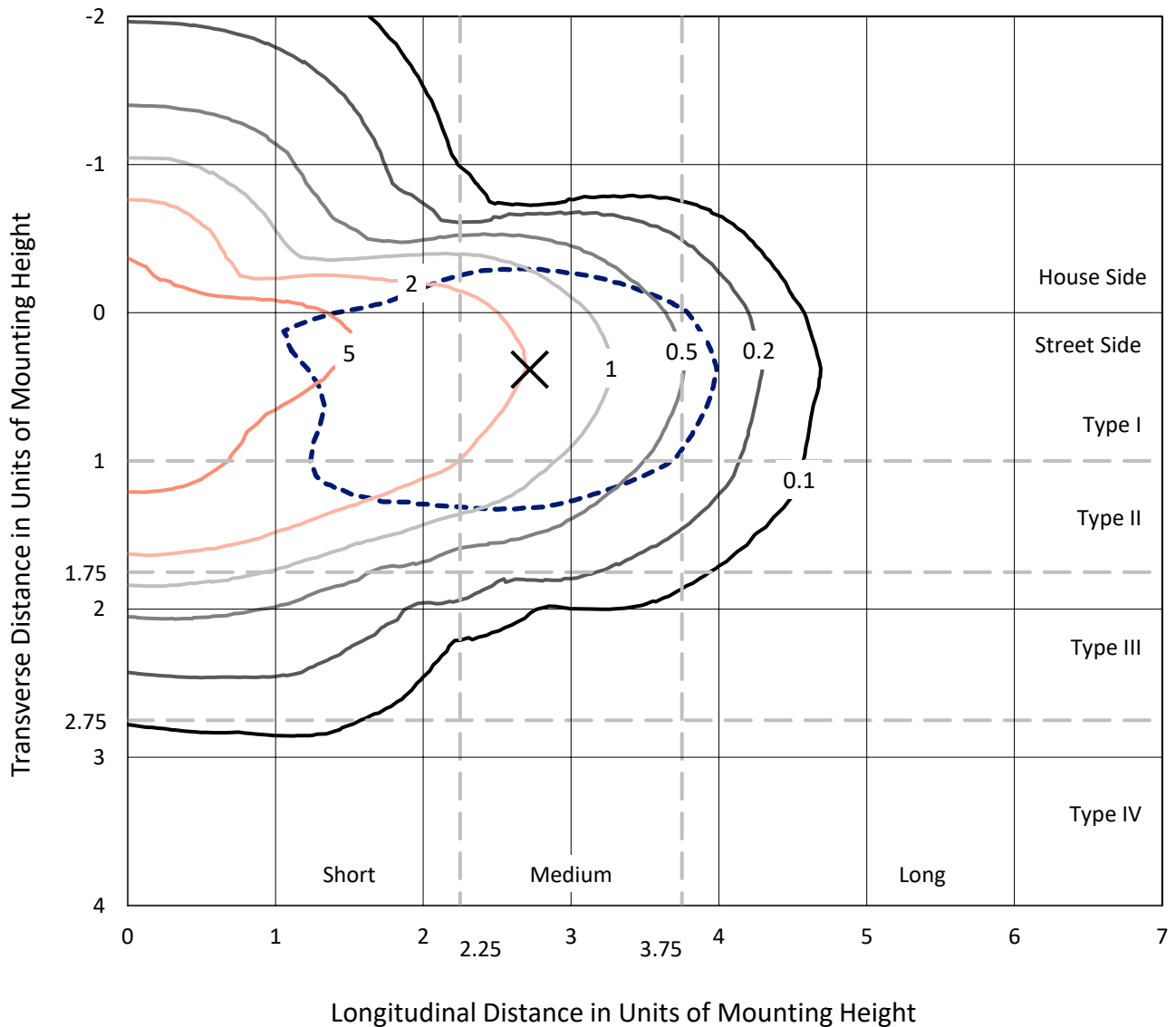
Input Watts (W): 364.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

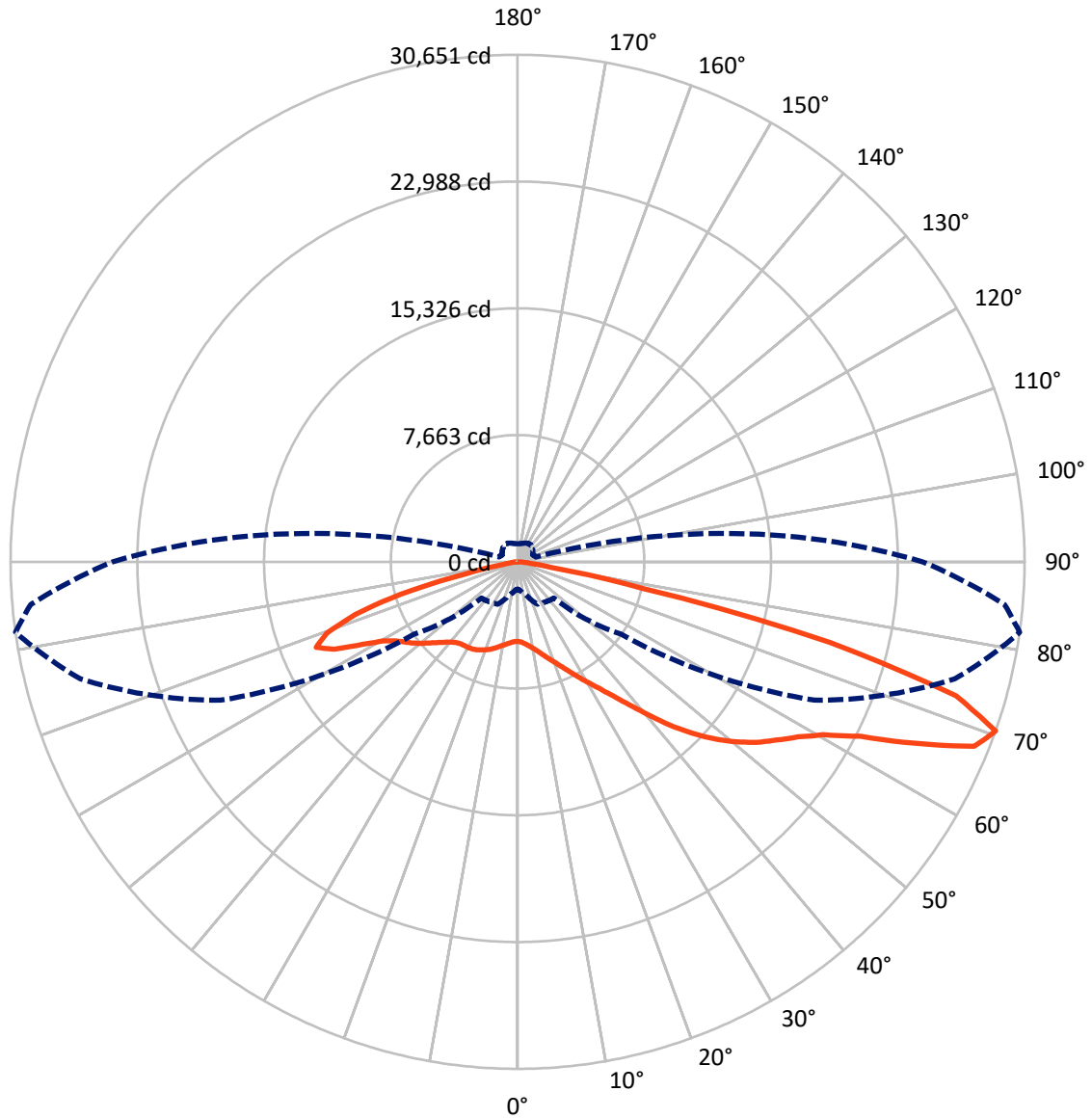
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.7 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	8086.0	0.0	8086.0
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	24714.0	0.0	24714.0
	% Fixture	75.3	0.0	75.3
Total	Lumens	32800.0	0.0	32800.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	454.0	1.4
10°-20°	1304.5	4.0
20°-30°	2182.3	6.7
30°-40°	3409.3	10.4
40°-50°	5429.7	16.6
50°-60°	7556.1	23.0
60°-70°	7904.0	24.1
70°-80°	4131.1	12.6
80°-90°	429.0	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°	32800.0	100.0
0°-180°	32800.0	100.0

Coefficient of Utilization

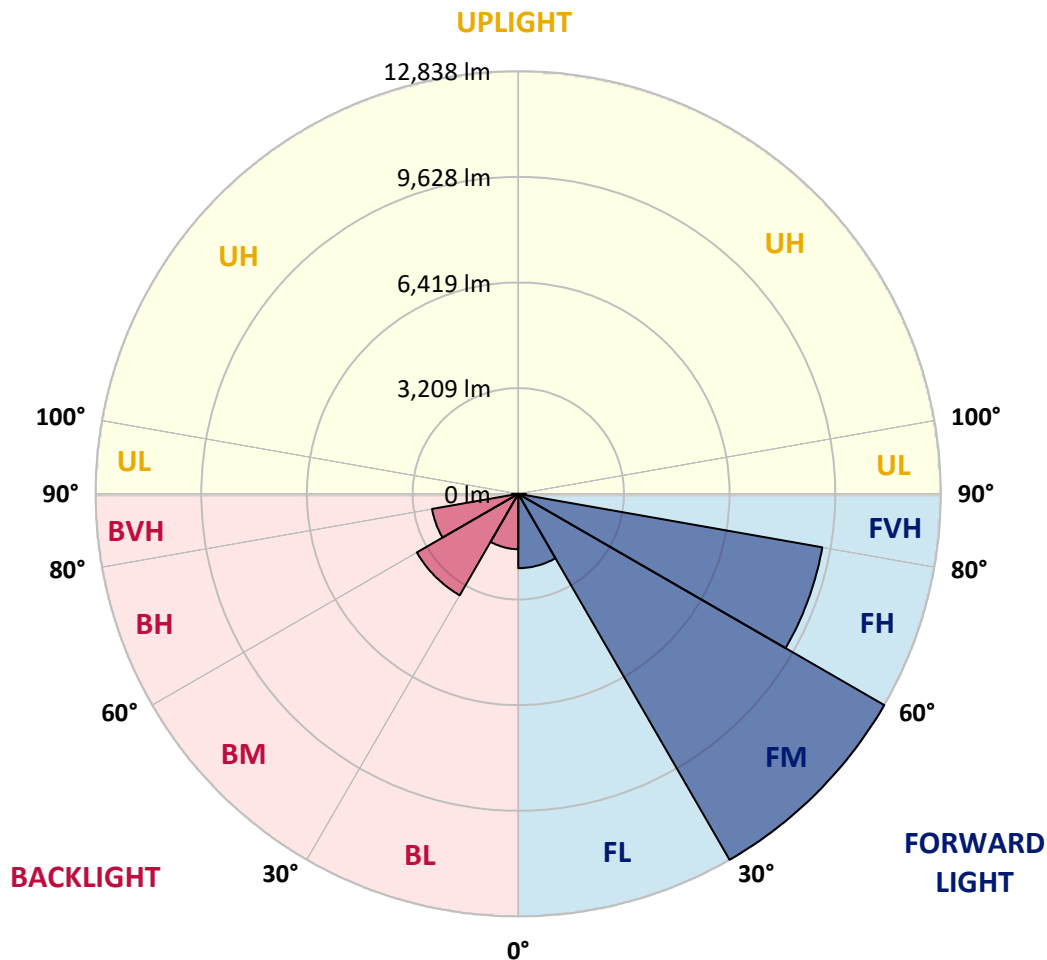


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2258.6	6.9			
FM (30°-60°)	12837.6	39.1			
FH (60°-80°)	9377.6	28.6			G4/12000
FVH (80°-90°)	240.1	0.7			G3/500
BL (0°-30°)	1682.2	5.1	B3/2500		
BM (30°-60°)	3557.5	10.8	B3/5000		
BH (60°-80°)	2657.5	8.1	B4/5000		G4/5000
BVH (80°-90°)	188.8	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	4808.9	4808.9	4808.9	4808.9	4808.9	4808.9	4808.9	4808.9	4808.9	4808.9
2.5°	4923.8	4951.6	4942.9	4934.2	4934.2	4922.0	4920.3	4902.9	4889.0	4866.3
5°	4986.4	5016.0	5012.5	5019.5	5042.1	5047.3	5052.6	5042.1	5014.3	4986.4
7.5°	4930.7	4963.8	4974.2	5016.0	5085.6	5148.3	5195.3	5214.4	5188.3	5148.3
10°	4742.8	4779.3	4815.9	4915.1	5038.6	5186.6	5311.9	5386.7	5381.5	5343.2
12.5°	4361.6	4399.9	4478.2	4671.4	4897.7	5158.7	5391.9	5548.6	5602.5	5574.7
15°	4057.0	4090.1	4149.3	4347.7	4641.8	5038.6	5421.5	5726.1	5863.6	5847.9
17.5°	4048.3	4062.2	4098.8	4192.8	4419.0	4850.7	5390.2	5900.2	6163.0	6161.2
20°	4201.5	4206.7	4227.6	4246.7	4375.5	4707.9	5310.1	6044.6	6498.9	6498.9
22.5°	4413.8	4410.3	4431.2	4413.8	4476.5	4695.8	5259.7	6171.7	6873.1	6900.9
25°	4732.3	4714.9	4709.7	4669.7	4681.8	4808.9	5315.4	6316.1	7316.9	7374.3
27.5°	5157.0	5129.1	5110.0	5017.7	4986.4	5042.1	5485.9	6490.2	7811.2	7910.4
30°	5710.4	5660.0	5632.1	5472.0	5358.9	5367.6	5743.5	6721.7	8328.1	8488.2
32.5°	6465.8	6387.5	6312.6	6049.8	5842.7	5774.8	6075.9	7041.9	8888.5	9144.4
35°	7311.7	7249.0	7169.0	6763.4	6444.9	6288.3	6525.0	7489.2	9544.7	9950.2
37.5°	8126.2	8072.3	8110.5	7564.0	7153.3	6925.3	7113.3	8089.7	10354.0	10952.7
40°	8968.6	8926.8	8932.0	8409.9	7931.3	7675.4	7826.8	8843.3	11281.7	12144.9
42.5°	9884.1	9852.7	9748.3	9285.4	8747.6	8509.1	8648.3	9713.5	12277.2	13502.5
45°	10909.2	10890.1	10792.6	10261.8	9645.6	9377.6	9565.6	10674.2	13278.0	14780.0
47.5°	11795.1	11810.8	11798.6	11351.3	10712.5	10319.2	10543.7	11676.7	14209.1	15980.9
50°	12221.5	12303.3	12423.4	12284.2	11887.3	11487.0	11530.5	12644.4	15096.7	17107.0
52.5°	11998.7	12153.6	12480.8	12703.6	12856.8	12773.2	12656.6	13605.2	15932.2	18123.4
55°	11168.5	11386.1	11929.1	12466.9	13248.4	13855.8	14009.0	14670.3	16746.7	19018.0
57.5°	9656.1	10009.4	10496.7	11584.5	12900.3	14379.7	15585.8	16148.0	17610.0	19973.5
60°	7062.8	7536.2	8141.9	9760.5	11682.0	14099.5	16927.7	18417.5	18837.0	21211.0
62.5°	4520.0	4812.4	5369.3	6894.0	9102.6	12663.6	17338.5	21254.5	20916.8	23240.4
65°	3094.5	3282.5	3792.5	4648.8	5884.5	9426.3	16238.5	23381.3	24220.2	26456.7
67.5°	2248.7	2391.4	2826.5	3576.6	3834.2	5578.2	12600.9	23283.9	27431.4	29770.6
70°	1639.5	1740.5	2106.0	2826.5	2950.1	3103.2	7633.7	19792.5	27361.8	30651.2
72.5°	1214.8	1284.5	1529.9	2193.0	2387.9	2095.5	3778.5	14384.9	23511.9	27723.8
75°	878.9	931.1	1112.2	1677.8	1911.0	1596.0	1884.9	8406.4	16400.4	19501.9
77.5°	671.8	711.8	830.2	1228.8	1529.9	1197.4	1169.6	3867.3	7776.4	7814.7
80°	539.5	565.6	630.0	865.0	1173.1	896.3	762.3	1561.2	2457.5	2079.8
82.5°	396.8	440.3	532.6	607.4	838.9	617.9	464.7	788.4	934.6	804.1
85°	226.3	255.8	322.0	435.1	536.1	377.7	266.3	349.8	435.1	356.8
87.5°	80.1	104.4	113.1	170.6	233.2	156.6	102.7	100.9	142.7	106.2
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°
4808.9	0°	4808.9	4808.9	4808.9	4808.9	4808.9	4808.9	4808.9	4808.9	4808.9	4808.9
4861.1	2.5°	4843.7	4835.0	4800.2	4753.2	4704.5	4657.5	4641.8	4608.7	4586.1	4573.9
4974.2	5°	4941.2	4913.3	4831.5	4727.1	4617.4	4499.1	4415.5	4339.0	4283.3	4231.1
5129.1	7.5°	5080.4	5031.7	4890.7	4707.9	4513.0	4316.3	4170.1	4058.8	3983.9	3935.2
5310.1	10°	5242.3	5167.4	4951.6	4678.4	4377.3	4095.3	3923.0	3827.3	3780.3	3754.2
5517.3	12.5°	5428.5	5322.3	5014.3	4610.5	4170.1	3848.2	3729.8	3702.0	3703.7	3705.4
5778.3	15°	5658.2	5510.3	5064.7	4462.5	3900.4	3658.4	3637.6	3682.8	3729.8	3752.4
6074.2	17.5°	5917.6	5708.7	5073.4	4218.9	3635.8	3536.6	3602.8	3700.2	3771.6	3802.9
6404.9	20°	6196.0	5910.6	5010.8	3874.3	3418.3	3437.4	3555.8	3681.1	3759.4	3799.4
6782.6	22.5°	6514.5	6126.4	4861.1	3512.2	3240.7	3329.5	3468.7	3590.6	3672.4	3712.4
7226.4	25°	6878.3	6368.3	4626.1	3207.7	3087.6	3207.7	3346.9	3447.9	3514.0	3550.5
7722.4	27.5°	7282.1	6620.7	4312.9	2965.7	2953.6	3082.4	3197.2	3275.5	3310.4	3338.2
8249.8	30°	7687.6	6850.4	3933.4	2783.0	2836.9	2958.8	3040.6	3075.4	3085.8	3091.1
8838.1	32.5°	8126.2	7048.9	3534.9	2631.6	2725.6	2838.7	2887.4	2903.1	2854.4	2821.3
9551.6	35°	8657.0	7261.2	3145.0	2511.5	2615.9	2713.4	2729.0	2715.1	2657.7	2589.8
10446.2	37.5°	9313.2	7525.7	2833.5	2426.2	2513.2	2577.6	2558.5	2555.0	2560.2	2480.2
11521.8	40°	10117.3	7870.4	2605.5	2360.1	2429.7	2443.6	2389.7	2419.2	2445.3	2323.5
12701.9	42.5°	11010.1	8286.3	2461.0	2314.8	2360.1	2327.0	2243.5	2276.5	2273.0	2112.9
13887.1	45°	11920.4	8738.8	2410.5	2281.7	2295.7	2229.5	2137.3	2146.0	2072.9	1928.4
15023.6	47.5°	12825.4	9224.4	2441.9	2253.9	2215.6	2140.8	2069.4	2031.1	1923.2	1815.3
16113.2	50°	13713.1	9734.4	2556.7	2198.2	2106.0	2062.4	2010.2	1942.4	1827.5	1735.2
17143.5	52.5°	14536.3	10247.8	2685.5	2106.0	1968.5	1994.6	1961.5	1883.2	1770.0	1676.1
18118.2	55°	15316.0	10761.3	2736.0	1978.9	1839.7	1935.4	1916.2	1771.8	1636.0	1559.5
19138.1	57.5°	16165.4	11379.1	2680.3	1817.0	1735.2	1867.5	1794.4	1634.3	1556.0	1498.5
20466.1	60°	17341.9	12348.6	2560.2	1616.9	1636.0	1766.6	1641.3	1575.1	1489.8	1425.4
22457.2	62.5°	19296.5	14156.9	2367.0	1418.5	1519.4	1616.9	1568.2	1502.0	1415.0	1352.3
25861.5	65°	22185.6	16670.1	2003.3	1263.6	1388.9	1470.7	1489.8	1423.7	1333.2	1267.1
28844.6	67.5°	24622.3	18247.0	1515.9	1134.8	1254.9	1352.3	1406.3	1341.9	1246.2	1181.8
29542.6	70°	24488.3	17101.8	1157.4	1007.7	1136.5	1235.7	1305.3	1254.9	1152.2	1091.3
26834.4	72.5°	21750.5	14306.6	936.4	878.9	1016.4	1113.9	1197.4	1159.1	1054.7	995.5
19658.5	75°	15979.2	10155.6	748.4	748.4	866.7	986.8	1079.1	1054.7	959.0	917.2
8253.3	77.5°	6735.6	4260.6	586.5	621.3	720.6	847.6	962.5	971.2	887.6	939.8
2182.5	80°	1790.9	1174.8	447.3	489.1	565.6	699.7	837.2	833.7	743.2	694.4
811.1	82.5°	682.3	463.0	318.5	344.6	409.0	536.1	663.1	684.0	593.5	513.4
318.5	85°	262.8	198.4	196.7	207.1	238.4	355.1	501.3	518.7	447.3	379.4
88.8	87.5°	67.9	59.2	73.1	69.6	109.6	189.7	287.2	297.6	273.3	158.4
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°
4808.9
4587.9
4251.9
3945.6
3761.1
3708.9
3750.7
3809.9
3809.9
3722.8
3561.0
3348.6
3103.2
2831.7
2593.3
2485.4
2327.0
2111.2
1933.7
1815.3
1728.3
1677.8
1552.5
1493.3
1422.0
1352.3
1270.5
1183.5
1096.5
995.5
905.0
852.8
645.7
513.4
391.6
226.3
0.0

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