

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: P849468

Luminaire Tested: **GLAN-SB6C-735-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849468
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB6C-735-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 44595 lumens
Efficiency: N/A
Efficacy: 148.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G5

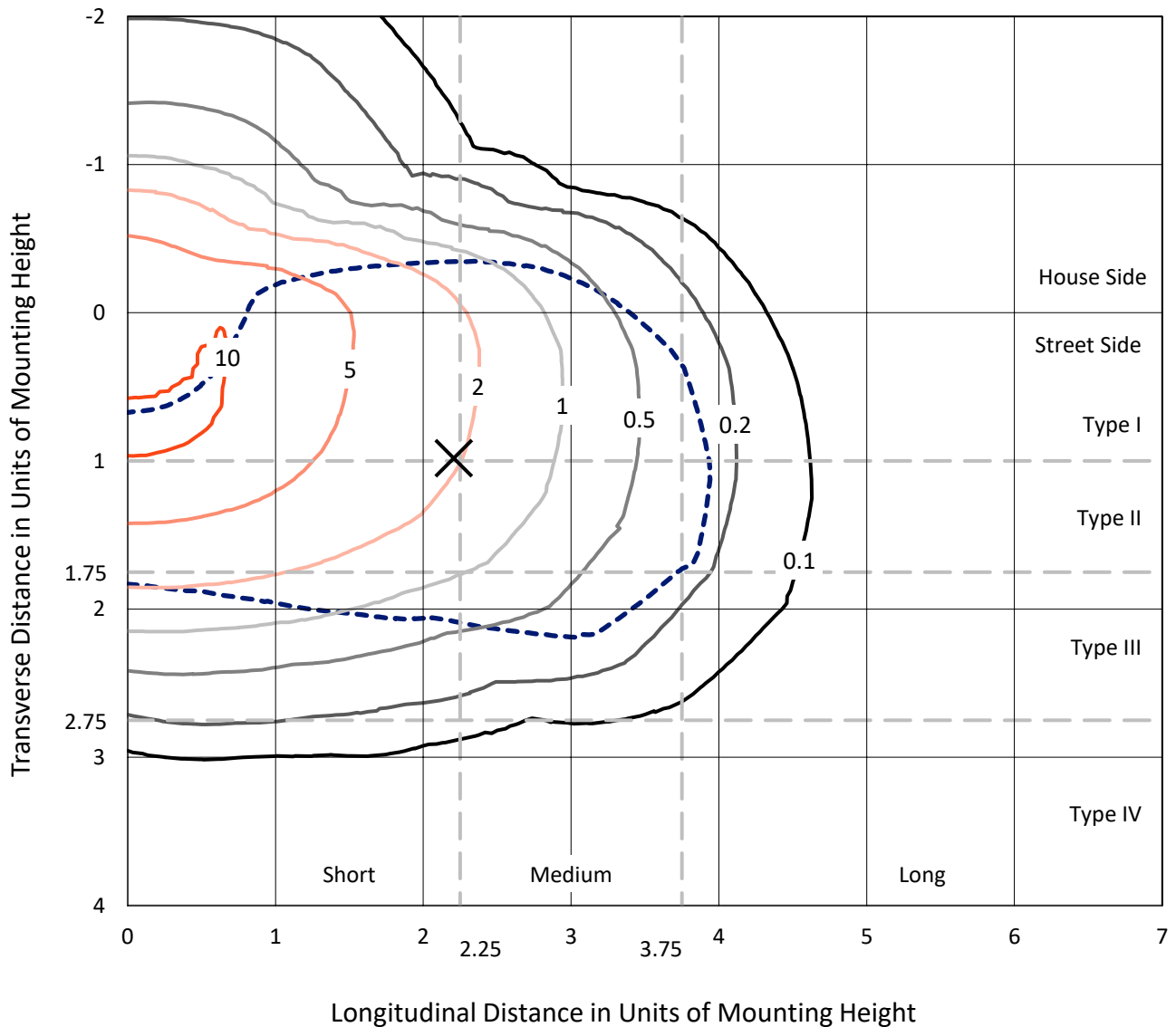
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

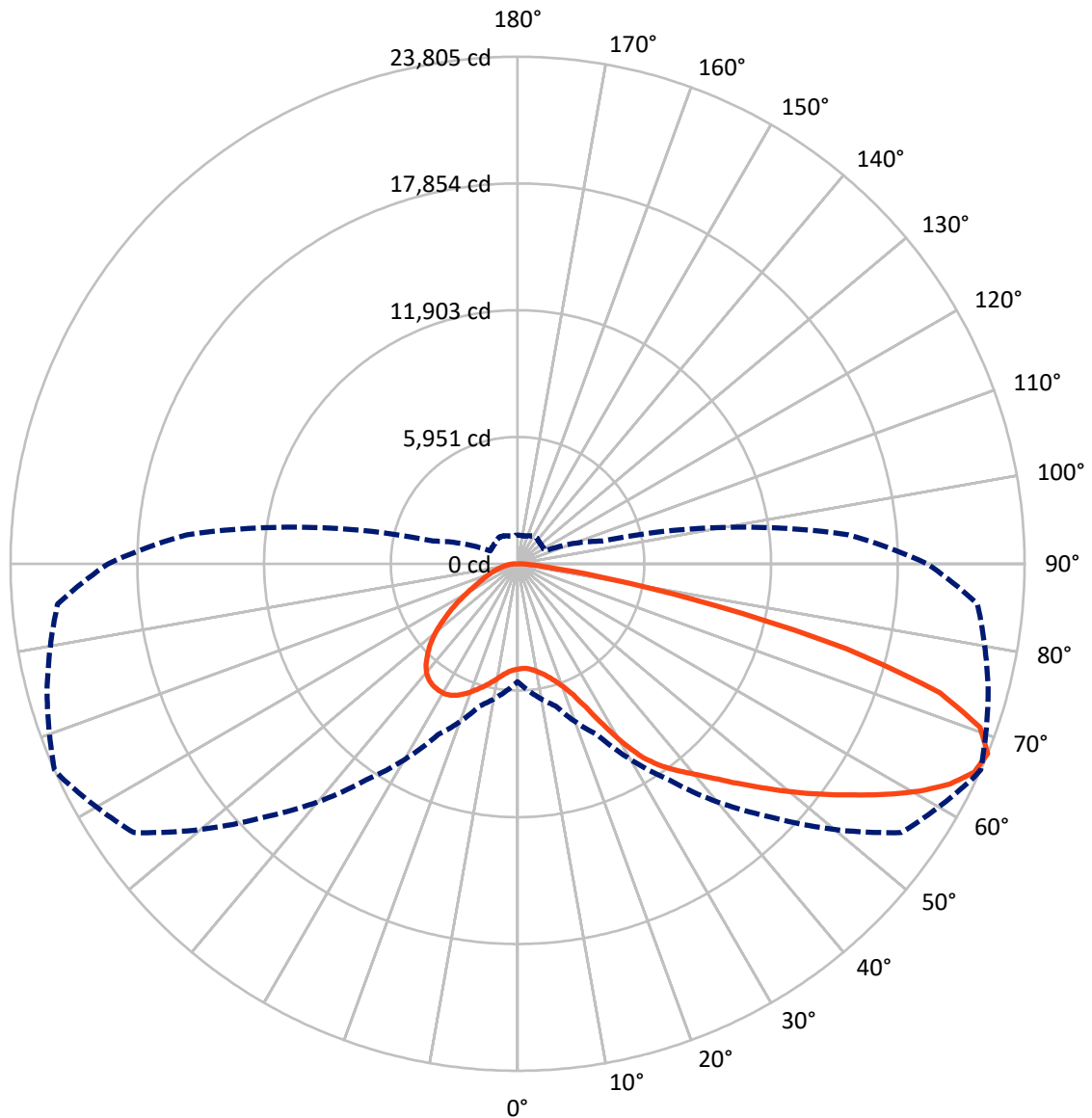
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11088.4	0.0	11088.4
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	33506.6	0.0	33506.6
	% Fixture	75.1	0.0	75.1
Total	Lumens	44595.0	0.0	44595.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	490.4	1.1
10°-20°	1620.2	3.6
20°-30°	3122.8	7.0
30°-40°	5475.5	12.3
40°-50°	8140.2	18.3
50°-60°	10318.6	23.1
60°-70°	10096.5	22.6
70°-80°	4816.1	10.8
80°-90°	514.7	1.2
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°	44595.0	100.0
0°-180°	44595.0	100.0

Coefficient of Utilization

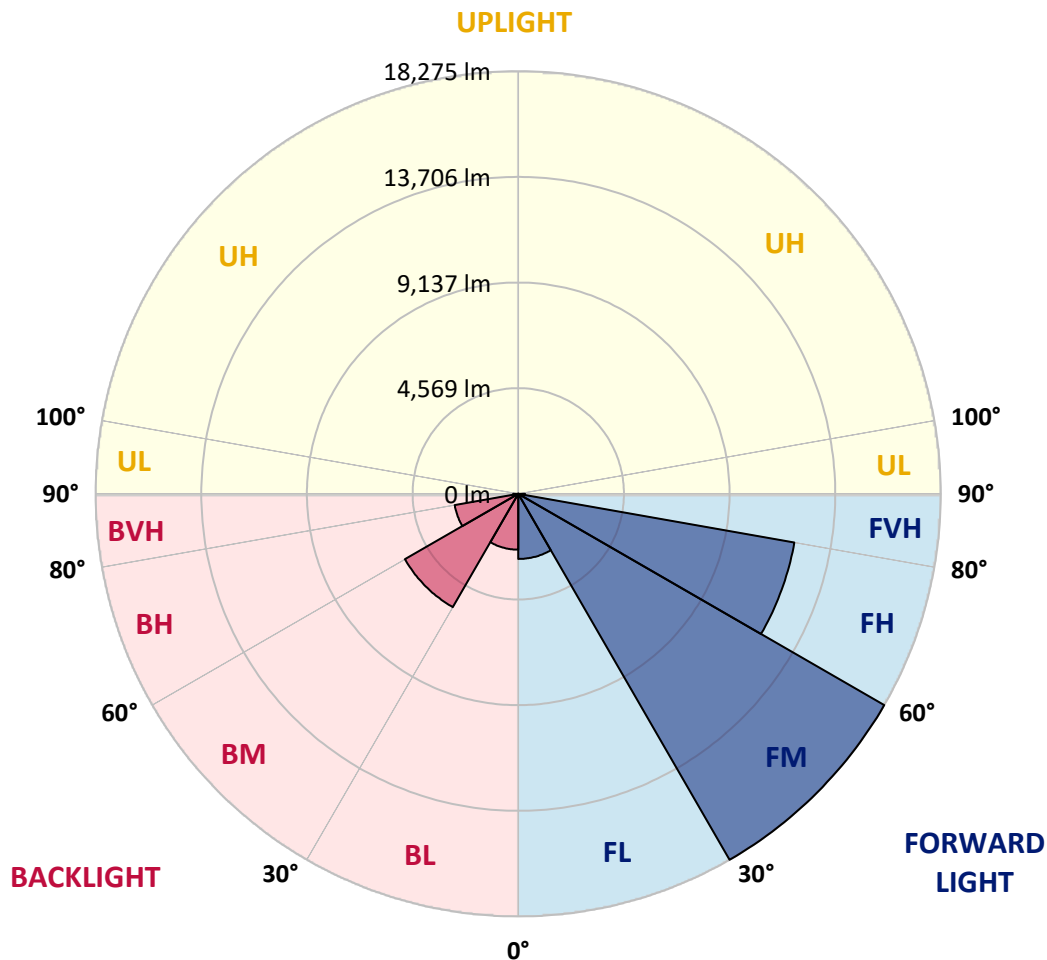


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2818.0	6.3			
FM (30°-60°)	18274.6	41.0			
FH (60°-80°)	12122.1	27.2			G5
FVH (80°-90°)	291.8	0.7			G3/500
BL (0°-30°)	2415.5	5.4	B3/2500		
BM (30°-60°)	5659.7	12.7	B4/8500		
BH (60°-80°)	2790.4	6.3	B4/5000		G4/5000
BVH (80°-90°)	222.9	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5
 Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	4946.2	4946.2	4946.2	4946.2	4946.2	4946.2	4946.2	4946.2	4946.2	4946.2
2.5°	4894.6	4922.7	4915.7	4904.0	4901.7	4906.3	4913.4	4920.4	4918.1	4929.8
5°	4880.6	4908.7	4906.3	4906.3	4915.7	4934.5	4946.2	4957.9	4946.2	4960.2
7.5°	4889.9	4911.0	4920.4	4929.8	4953.2	4988.3	5016.5	5042.2	5028.2	5044.6
10°	5009.4	5025.8	5035.2	5035.2	5051.6	5091.4	5119.6	5166.4	5154.7	5180.5
12.5°	5227.3	5243.7	5243.7	5234.4	5246.1	5271.9	5281.2	5332.8	5311.7	5353.9
15°	5494.4	5527.3	5501.5	5485.1	5489.8	5515.5	5513.2	5553.0	5531.9	5567.1
17.5°	5789.7	5831.8	5789.7	5787.3	5778.0	5806.1	5808.4	5843.6	5806.1	5831.8
20°	6138.8	6197.4	6162.2	6173.9	6152.8	6164.6	6176.3	6227.8	6169.2	6188.0
22.5°	6630.8	6701.1	6663.6	6708.1	6694.1	6684.7	6682.4	6773.8	6682.4	6689.4
25°	7347.8	7432.1	7366.5	7427.5	7427.5	7457.9	7493.1	7610.2	7457.9	7413.4
27.5°	8406.9	8491.2	8362.3	8399.8	8388.1	8463.1	8425.6	8716.1	8552.1	8479.5
30°	9681.5	9831.4	9587.8	9578.4	9566.7	9686.2	9740.1	9932.2	9765.8	9693.2
32.5°	11059.2	11216.2	10925.6	10841.3	10796.8	10869.4	10824.9	10979.5	10864.7	10752.2
35°	12516.6	12671.2	12394.7	12230.7	12052.6	11900.3	11741.0	11780.8	11673.1	11502.0
37.5°	13894.3	14177.8	13884.9	13709.2	13381.1	13083.6	12638.4	12453.3	12352.6	12195.6
40°	15297.8	15459.4	15236.8	15086.9	14730.7	14264.5	13552.2	13160.9	13025.0	12872.7
42.5°	16331.0	16485.7	16366.2	16263.1	15984.3	15443.0	14522.2	14032.5	13835.7	13664.7
45°	17151.1	17265.9	17190.9	17228.4	17108.9	16584.1	15527.4	14967.4	14763.5	14555.0
47.5°	17481.5	17603.3	17722.8	17945.4	18149.3	17762.6	16607.5	15979.6	15764.0	15550.8
50°	17444.0	17568.2	17914.9	18388.2	19020.9	18892.0	17746.2	17057.4	16858.2	16614.6
52.5°	17144.1	17284.7	17729.8	18517.1	19524.6	19737.8	18906.1	18170.3	17982.9	17692.4
55°	16356.8	16441.2	17108.9	18224.2	19644.1	20328.3	20042.4	19355.9	19168.5	18763.1
57.5°	14897.1	15018.9	15991.3	17434.6	19344.2	20728.9	21040.6	20602.4	20422.0	19838.6
60°	12992.2	13186.7	14299.6	16108.5	18580.4	20726.6	21947.3	21827.8	21677.9	20897.6
62.5°	10836.6	11061.5	12132.3	14234.0	17244.8	20138.5	22514.4	22854.1	22776.8	21874.7
65°	8322.5	8477.1	9543.2	11809.0	15166.6	18875.6	22580.0	23554.7	23568.7	22617.4
67.5°	5541.3	5986.5	6912.0	8861.4	12383.0	16811.4	22003.6	23669.5	23805.4	22872.8
70°	2703.9	3289.6	4196.4	5759.2	8861.4	13645.9	20497.0	22727.6	23029.8	22127.7
72.5°	1122.3	1312.1	1806.5	2842.1	5086.8	9208.2	17469.8	20173.6	20733.6	19606.6
75°	756.8	820.1	1033.3	1457.4	2317.3	4540.8	12598.6	15042.4	15944.4	14808.1
77.5°	583.4	623.3	752.1	1019.2	1377.7	1717.5	6743.3	9065.3	9531.5	8823.9
80°	459.2	489.7	562.3	742.7	977.1	918.5	2298.5	4107.4	4376.8	3671.6
82.5°	398.3	410.0	403.0	503.8	649.0	536.6	754.5	1516.0	1672.9	1213.7
85°	288.2	321.0	335.1	311.6	344.4	271.8	309.3	536.6	590.4	527.2
87.5°	117.2	173.4	213.2	201.5	126.5	77.3	96.1	157.0	180.4	196.8
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°
4946.2	0°	4946.2	4946.2	4946.2	4946.2	4946.2	4946.2	4946.2	4946.2	4946.2	4946.2
4948.5	2.5°	4950.9	4967.3	4979.0	4993.0	5002.4	5016.5	5044.6	5061.0	5063.3	5075.0
4986.0	5°	4995.4	5018.8	5044.6	5082.1	5124.2	5159.4	5213.3	5250.8	5264.8	5276.5
5077.4	7.5°	5091.4	5124.2	5171.1	5236.7	5297.6	5344.5	5410.1	5454.6	5499.1	5515.5
5222.7	10°	5234.4	5281.2	5349.2	5438.2	5503.8	5564.7	5632.7	5670.2	5714.7	5733.4
5396.0	12.5°	5412.4	5461.6	5550.7	5674.9	5735.8	5778.0	5801.4	5792.0	5801.4	5817.8
5604.6	15°	5616.3	5670.2	5770.9	5904.5	5946.7	5909.2	5857.6	5810.8	5803.7	5808.4
5857.6	17.5°	5857.6	5897.5	6014.6	6127.1	6096.6	5942.0	5829.5	5754.5	5717.0	5705.3
6181.0	20°	6195.0	6195.0	6291.1	6361.4	6157.5	5895.1	5719.4	5597.5	5520.2	5487.4
6621.5	22.5°	6605.1	6567.6	6628.5	6579.3	6145.8	5763.9	5520.2	5309.3	5192.2	5145.3
7237.7	25°	7125.2	7080.7	7064.3	6759.7	6061.5	5555.4	5159.4	4904.0	4800.9	4775.1
8125.7	27.5°	7910.1	7797.7	7584.4	6858.1	5906.8	5227.3	4737.6	4501.0	4442.4	4444.8
9266.8	30°	8955.1	8730.2	8207.7	6874.5	5653.8	4763.4	4306.5	4137.8	4109.7	4121.4
10225.1	32.5°	9922.8	9709.6	8845.0	6799.5	5264.8	4308.9	3919.9	3807.5	3765.3	3779.3
10956.1	35°	10682.0	10623.4	9435.5	6694.1	4786.8	3882.4	3573.1	3477.1	3395.1	3376.3
11644.9	37.5°	11398.9	11375.5	9878.3	6546.5	4313.6	3580.2	3294.3	3167.8	3048.3	2982.7
12406.4	40°	12186.2	12162.8	10168.8	6319.2	3894.1	3317.8	3043.6	2877.3	2729.7	2610.2
13268.7	42.5°	13071.9	12933.6	10307.1	5993.5	3538.0	3095.2	2839.8	2614.8	2420.4	2310.2
14243.4	45°	14039.5	13727.9	10304.7	5578.8	3238.1	2891.3	2621.9	2303.2	2122.8	2019.7
15243.9	47.5°	15065.8	14487.1	10178.2	5119.6	2947.6	2666.4	2284.5	2040.8	1921.3	1858.0
16331.0	50°	16124.9	15197.0	9962.6	4592.4	2650.0	2411.0	2073.6	1907.2	1815.9	1757.3
17408.8	52.5°	17120.7	15841.3	9702.6	3994.9	2347.7	2162.6	1979.9	1851.0	1754.9	1689.3
18453.8	55°	18046.2	16396.7	9334.7	3383.4	2101.7	1996.3	1935.4	1827.6	1717.5	1640.1
19515.2	57.5°	18868.6	16757.5	8699.7	2809.3	1926.0	1881.5	1888.5	1787.7	1661.2	1595.6
20560.2	60°	19552.7	17022.2	7760.2	2277.4	1783.1	1769.0	1815.9	1712.8	1565.2	1490.2
21443.6	62.5°	19962.8	17017.6	6607.4	1865.1	1661.2	1665.9	1719.8	1619.0	1469.1	1398.8
21905.2	65°	19927.6	16600.5	5342.1	1595.6	1544.1	1548.8	1619.0	1516.0	1389.4	1347.3
21673.2	67.5°	19222.4	15583.6	4098.0	1419.9	1415.2	1436.3	1518.3	1445.7	1340.2	1335.5
20290.8	70°	17312.8	13472.5	2952.2	1279.3	1281.6	1312.1	1419.9	1401.1	1314.5	1323.8
17059.7	72.5°	13882.6	10271.9	1982.2	1131.7	1134.0	1183.2	1326.2	1366.0	1288.7	1412.9
12104.2	75°	9245.7	6405.9	1274.6	974.7	977.1	1040.3	1244.2	1298.0	1218.4	1408.2
6298.1	77.5°	4442.4	2879.6	923.2	820.1	820.1	878.6	1075.5	1162.2	1038.0	1094.2
2024.4	80°	1534.7	1082.5	726.3	660.7	646.7	686.5	906.8	1007.5	895.0	824.8
660.7	82.5°	604.5	562.3	583.4	513.1	466.3	492.0	705.3	831.8	658.4	595.1
372.5	85°	346.8	365.5	412.4	339.7	269.5	302.3	517.8	597.5	496.7	438.2
121.8	87.5°	93.7	128.9	189.8	175.7	121.8	128.9	246.0	330.4	285.9	220.2
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END O

<u>180°</u>
4946.2
5072.7
5274.2
5517.9
5742.8
5822.5
5824.8
5721.7
5480.4
5138.3
4779.8
4451.8
4161.3
3798.1
3390.4
2985.0
2621.9
2317.3
2015.0
1844.0
1736.2
1661.2
1609.7
1553.4
1457.4
1377.7
1344.9
1342.6
1321.5
1431.6
1419.9
1002.8
773.2
592.8
447.5
227.3
0.0

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