

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: McGRAW-EDISON

Report Number: P953393

Luminaire Tested: **GALN-SB6D-950-U-T2U**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953393
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-16)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6D-950-U-T2U
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 43503 lumens
Efficiency: N/A
Efficacy: 98.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G4

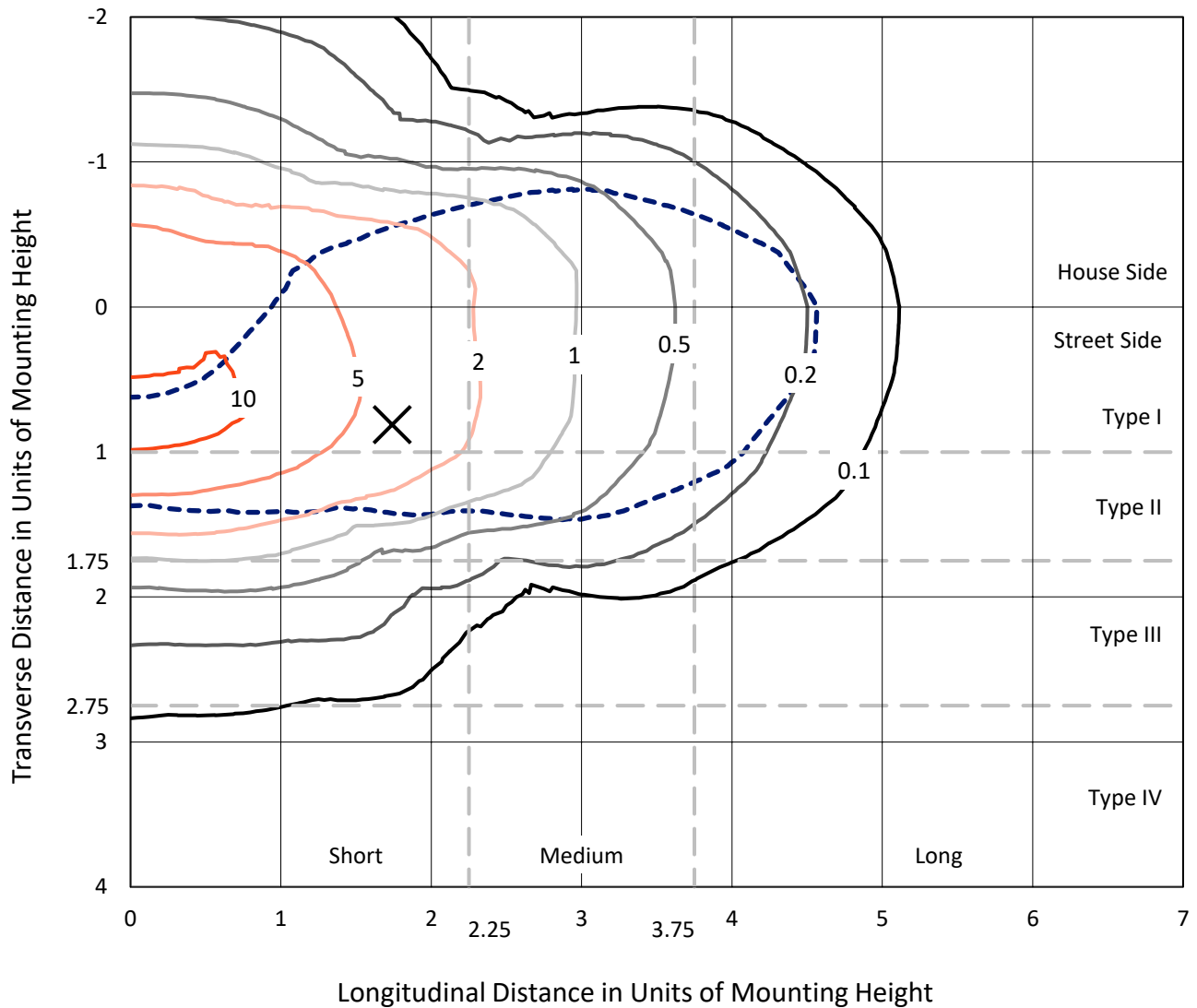
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

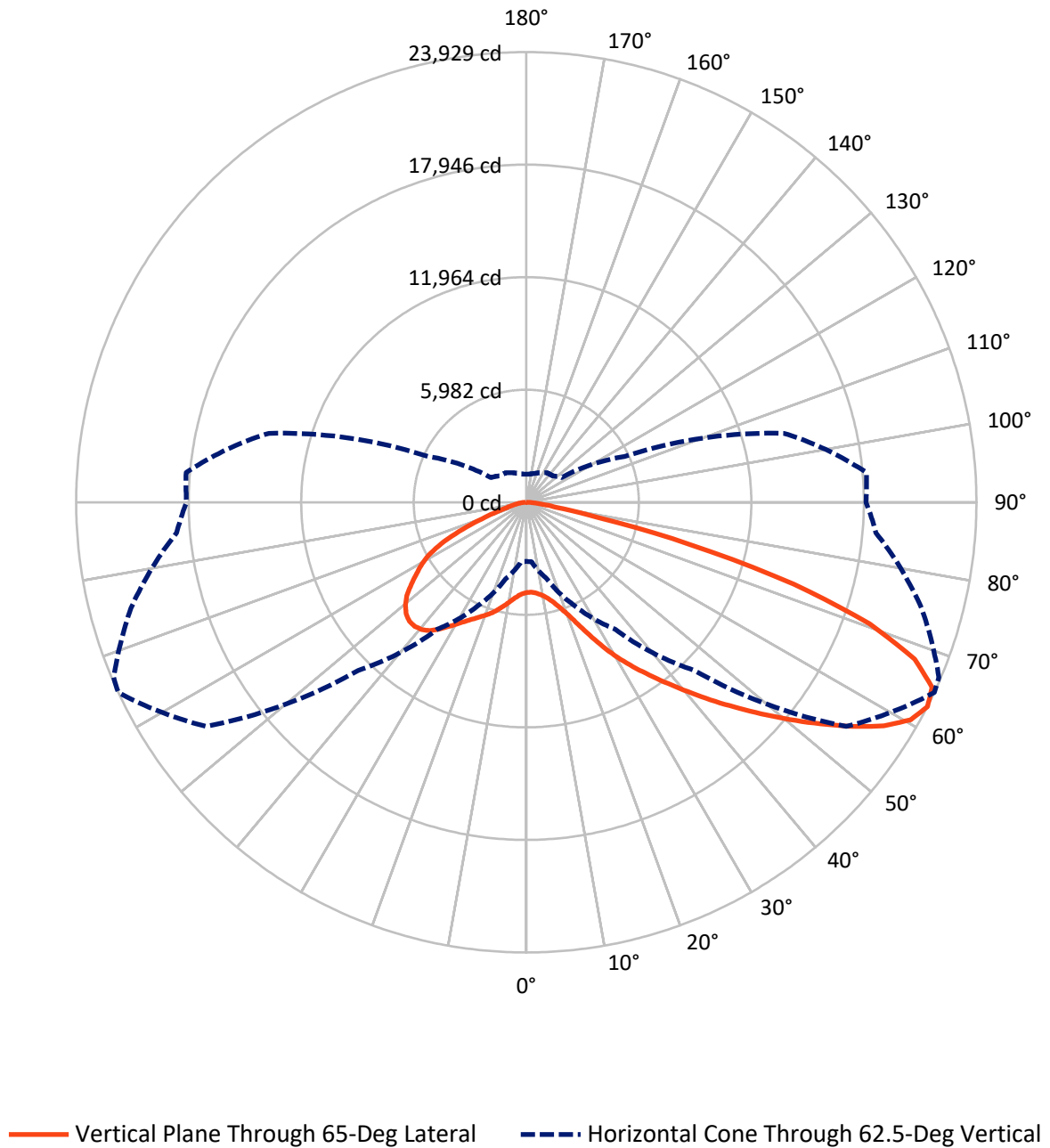
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13727.6	0.0	13727.6
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	29775.4	0.0	29775.4
	% Fixture	68.4	0.0	68.4
Total	Lumens	43503.0	0.0	43503.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	477.9	1.1
10°-20°	1620.7	3.7
20°-30°	3286.2	7.6
30°-40°	5686.8	13.1
40°-50°	8605.8	19.8
50°-60°	10089.8	23.2
60°-70°	8459.1	19.4
70°-80°	4670.1	10.7
80°-90°	606.6	1.4
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°	43503.0	100.0
0°-180°	43503.0	100.0

Coefficient of Utilization



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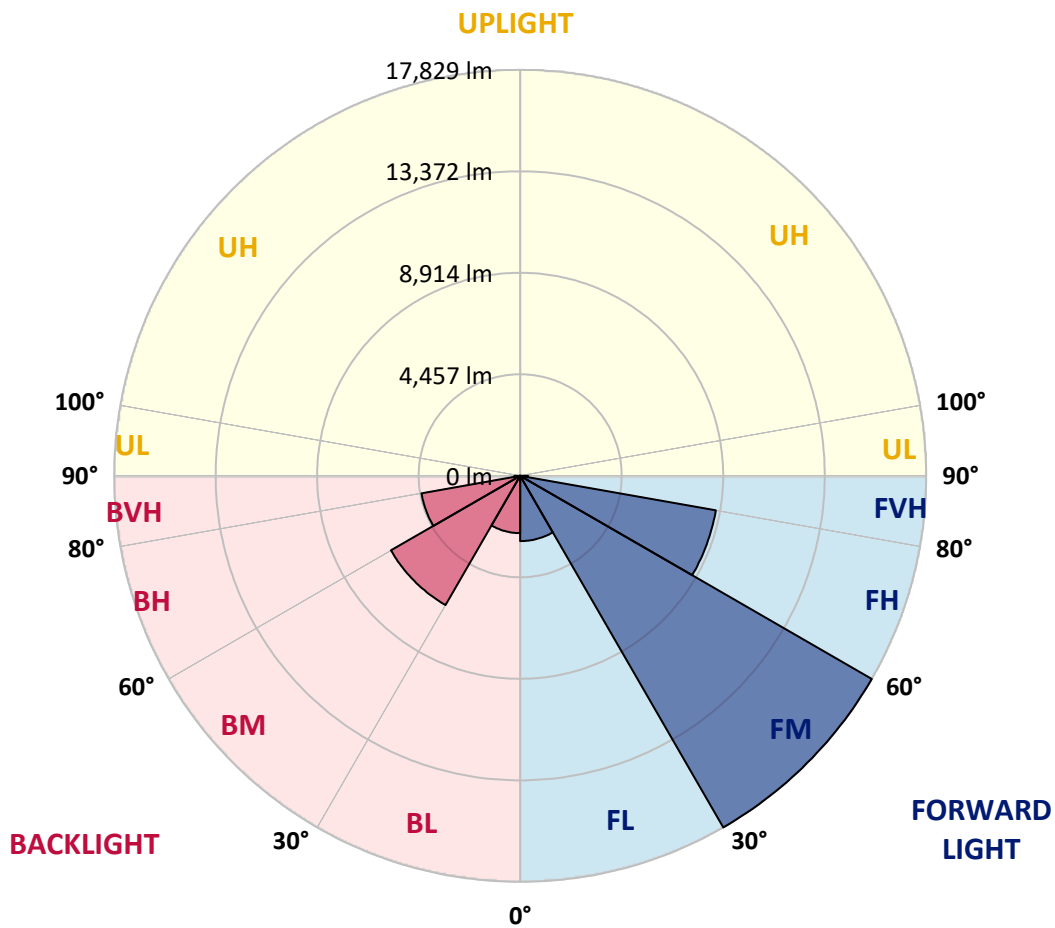
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2867.4	6.6			
FM (30°-60°)	17828.9	41.0			
FH (60°-80°)	8725.4	20.1			G4/12000
FVH (80°-90°)	353.6	0.8			G3/500
BL (0°-30°)	2517.5	5.8	B4/5000		
BM (30°-60°)	6553.4	15.1	B4/8500		
BH (60°-80°)	4403.7	10.1	B4/5000		G4/5000
BVH (80°-90°)	253.1	0.6			G3/500
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 Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°
0°	4793.8	4793.8	4793.8	4793.8	4793.8	4793.8	4793.8	4793.8	4793.8	4793.8
2.5°	4762.2	4748.7	4760.0	4760.0	4764.5	4762.2	4778.0	4782.6	4789.3	4802.9
5°	4714.8	4712.6	4732.9	4751.0	4769.0	4784.8	4805.1	4834.5	4839.0	4854.8
7.5°	4699.0	4685.5	4717.1	4739.7	4782.6	4820.9	4875.1	4924.7	4945.1	4951.8
10°	4820.9	4798.4	4827.7	4841.2	4877.4	4915.7	4978.9	5057.9	5080.5	5107.6
12.5°	5028.6	5003.7	5046.6	5066.9	5100.8	5134.6	5177.5	5254.3	5265.6	5315.2
15°	5312.9	5283.6	5310.7	5335.5	5391.9	5423.5	5466.4	5540.9	5540.9	5579.3
17.5°	5698.9	5660.5	5680.8	5689.9	5726.0	5773.4	5845.6	5911.1	5944.9	5931.4
20°	6274.4	6227.0	6227.0	6181.9	6168.3	6206.7	6301.5	6391.8	6427.9	6357.9
22.5°	7138.9	7071.1	7032.8	6879.3	6818.4	6822.9	6917.7	7028.3	7057.6	6933.5
25°	8238.0	8131.9	8080.0	7854.3	7716.6	7597.0	7671.5	7813.7	7854.3	7700.8
27.5°	9337.2	9343.9	9294.3	9023.4	8795.5	8576.6	8538.2	8687.1	8730.0	8556.2
30°	10878.7	10718.4	10623.6	10298.6	9973.6	9666.7	9508.7	9569.6	9580.9	9373.3
32.5°	12208.0	12167.4	11964.3	11679.9	11262.4	10781.6	10517.6	10420.5	10402.5	10106.8
35°	13722.5	13699.9	13485.5	13147.0	12695.6	12027.5	11551.3	11273.7	11251.1	10835.8
37.5°	15261.8	15261.8	15051.9	14681.7	14214.5	13379.4	12654.9	12214.8	12142.6	11600.9
40°	16489.6	16415.1	16453.4	16297.7	15762.8	14875.8	13880.5	13241.7	13144.7	12494.7
42.5°	17187.0	17162.1	17392.3	17566.1	17347.2	16638.5	15230.2	14354.4	14219.0	13478.7
45°	17342.7	17315.6	17726.4	18362.9	18669.8	18378.7	16697.2	15525.8	15361.1	14507.9
47.5°	16983.8	16929.7	17532.3	18536.6	19520.7	20033.0	18286.1	16796.5	16557.3	15510.0
50°	15905.0	15853.1	16764.9	18098.8	19807.3	21157.0	20010.5	18143.9	17778.3	16584.3
52.5°	13560.0	13584.8	15013.5	16846.2	19430.4	21856.7	21495.6	19563.6	19123.5	17683.5
55°	10562.7	10616.9	12372.8	14390.6	17922.7	21750.6	22508.9	21026.1	20588.2	18717.2
57.5°	7563.2	7802.4	9447.8	11445.2	15027.0	20069.1	22730.1	22416.4	21992.1	19845.7
60°	4902.2	4945.1	6637.8	8651.0	11442.9	17080.9	22281.0	23470.4	23138.6	20996.8
62.5°	3141.7	3171.1	4202.5	6051.0	8235.7	12636.9	20768.8	23928.6	23827.0	21757.4
65°	2308.9	2286.3	2823.5	3999.4	5547.7	7793.4	17832.5	23707.4	23908.3	22233.6
67.5°	1927.5	1895.9	2159.9	2769.3	4087.4	4426.0	13194.4	22269.7	23005.5	22179.4
70°	1755.9	1728.9	1889.1	2056.1	3189.1	2963.4	6651.3	19360.4	20493.4	21563.3
72.5°	1487.4	1440.0	1658.9	1825.9	2480.4	2272.8	2749.0	14871.3	16252.6	19588.4
75°	1153.3	1121.7	1309.1	1607.0	1864.3	1774.0	1737.9	9030.2	10537.9	15148.9
77.5°	914.1	871.2	1042.7	1252.6	1676.9	1338.4	1266.2	3888.8	5382.9	9671.2
80°	688.4	650.0	792.2	990.8	1288.7	1008.9	819.3	1586.7	2029.0	4899.9
82.5°	489.8	455.9	553.0	726.8	866.7	905.1	503.3	889.3	999.8	1889.1
85°	313.7	293.4	370.1	455.9	550.7	582.3	307.0	464.9	510.1	778.7
87.5°	171.5	139.9	198.6	212.2	255.0	232.5	146.7	169.3	182.8	282.1
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°
4793.8	0°	4793.8	4793.8	4793.8	4793.8	4793.8	4793.8	4793.8	4793.8	4793.8	4793.8
4802.9	2.5°	4811.9	4818.7	4841.2	4848.0	4863.8	4884.1	4897.7	4911.2	4911.2	4924.7
4875.1	5°	4877.4	4893.1	4940.5	4965.4	5006.0	5046.6	5071.5	5100.8	5118.8	5127.9
4990.2	7.5°	5003.7	5028.6	5096.3	5139.2	5209.1	5265.6	5303.9	5344.5	5353.6	5378.4
5150.4	10°	5175.3	5204.6	5281.4	5362.6	5446.1	5516.1	5552.2	5581.5	5592.8	5597.3
5355.8	12.5°	5371.6	5414.5	5513.8	5613.1	5701.2	5762.1	5771.1	5764.3	5732.7	5705.7
5608.6	15°	5613.1	5651.5	5762.1	5870.4	5956.2	5967.5	5911.1	5874.9	5836.6	5829.8
5890.7	17.5°	5902.0	5922.3	6023.9	6130.0	6136.7	6098.4	6014.9	5981.0	5944.9	5920.1
6258.6	20°	6238.3	6231.5	6303.8	6348.9	6301.5	6184.1	6057.8	6001.3	5965.2	5935.9
6710.0	22.5°	6640.1	6588.1	6579.1	6567.8	6441.4	6195.4	6023.9	5951.7	5895.3	5854.6
7339.7	25°	7224.6	7026.0	6888.3	6811.6	6527.2	6134.5	5915.6	5755.3	5649.2	5579.3
8109.4	27.5°	7955.9	7621.8	7274.3	7086.9	6527.2	6010.4	5653.8	5394.2	5220.4	5148.2
8854.2	30°	8653.3	8303.5	7791.1	7418.7	6511.4	5807.2	5231.7	4870.6	4667.5	4595.2
9490.6	32.5°	9249.1	8867.7	8339.6	7782.1	6473.0	5477.7	4708.1	4308.6	4112.2	4026.5
10120.3	35°	9802.1	9395.8	8890.3	8181.6	6371.5	4994.7	4132.5	3827.9	3608.9	3471.2
10761.3	37.5°	10368.6	9885.6	9411.6	8542.7	6188.7	4430.5	3690.2	3430.6	3173.3	2988.3
11442.9	40°	10984.8	10407.0	9969.1	8757.1	5888.5	3893.3	3347.1	3110.1	2837.0	2640.7
12228.4	42.5°	11704.7	11032.2	10589.8	8867.7	5477.7	3511.9	3123.7	2891.2	2633.9	2473.7
13070.2	45°	12456.3	11720.5	11156.3	8865.4	5019.5	3333.6	3051.4	2821.2	2536.9	2369.8
13934.6	47.5°	13244.0	12440.5	11646.1	8721.0	4622.3	3358.4	3010.8	2670.0	2356.3	2193.8
14808.1	50°	14033.9	13228.2	12120.0	8450.2	4453.0	3304.2	2859.6	2457.9	2087.7	1941.0
15627.4	52.5°	14817.1	14065.5	12528.5	8064.2	4281.5	3103.4	2665.5	2182.5	1977.1	1875.6
16473.8	55°	15604.8	14893.9	12973.2	7502.2	3852.7	2868.6	2340.5	2078.7	1889.1	1796.6
17302.1	57.5°	16394.8	15850.8	13395.2	6940.2	3313.3	2579.7	2162.2	1952.3	1801.1	1722.1
17995.0	60°	17216.3	16945.5	13830.8	6423.4	2780.6	2209.6	2031.3	1850.7	1697.3	1609.2
18660.8	62.5°	18062.7	18150.7	14171.6	5757.6	2290.8	1983.9	1913.9	1728.9	1579.9	1496.4
19211.5	65°	18915.8	19313.0	14395.1	4834.5	1857.5	1769.5	1787.5	1595.7	1444.5	1372.2
19615.5	67.5°	19559.1	20150.4	14331.9	3658.6	1523.5	1566.3	1629.5	1455.8	1313.6	1257.1
19550.0	70°	19631.3	20051.1	13708.9	2505.3	1275.2	1367.7	1453.5	1318.1	1171.4	1130.8
18629.2	72.5°	18669.8	18696.9	11973.3	1636.3	1078.8	1200.7	1268.4	1178.1	1036.0	995.3
16297.7	75°	16148.7	15462.6	8791.0	1078.8	902.8	1031.4	1094.6	1031.4	893.8	902.8
12194.5	77.5°	12235.1	10950.9	5337.8	767.4	753.8	866.7	952.4	907.3	789.9	887.0
6132.2	80°	6303.8	5924.6	2381.1	573.3	595.8	692.9	783.2	724.5	625.2	595.8
1370.0	82.5°	1444.5	1679.2	938.9	410.8	431.1	498.8	598.1	543.9	449.1	379.2
571.0	85°	505.6	553.0	415.3	257.3	252.8	311.5	406.3	363.4	304.7	243.8
241.5	87.5°	160.2	209.9	155.7	103.8	108.3	139.9	187.3	171.5	142.2	92.5
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>
4793.8
4924.7
5132.4
5369.4
5586.0
5705.7
5829.8
5922.3
5938.1
5868.2
5606.4
5184.3
4638.1
4069.3
3516.4
3037.9
2679.0
2505.3
2396.9
2216.4
1950.0
1875.6
1787.5
1708.5
1602.5
1494.1
1370.0
1259.4
1133.0
993.1
871.2
780.9
543.9
374.7
257.3
97.1
0.0

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