

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: P944637

Luminaire Tested: **GALN-SB9C-935-U-T3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P944637
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB9C-935-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 47485 lumens
Efficiency: N/A
Efficacy: 105.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G5

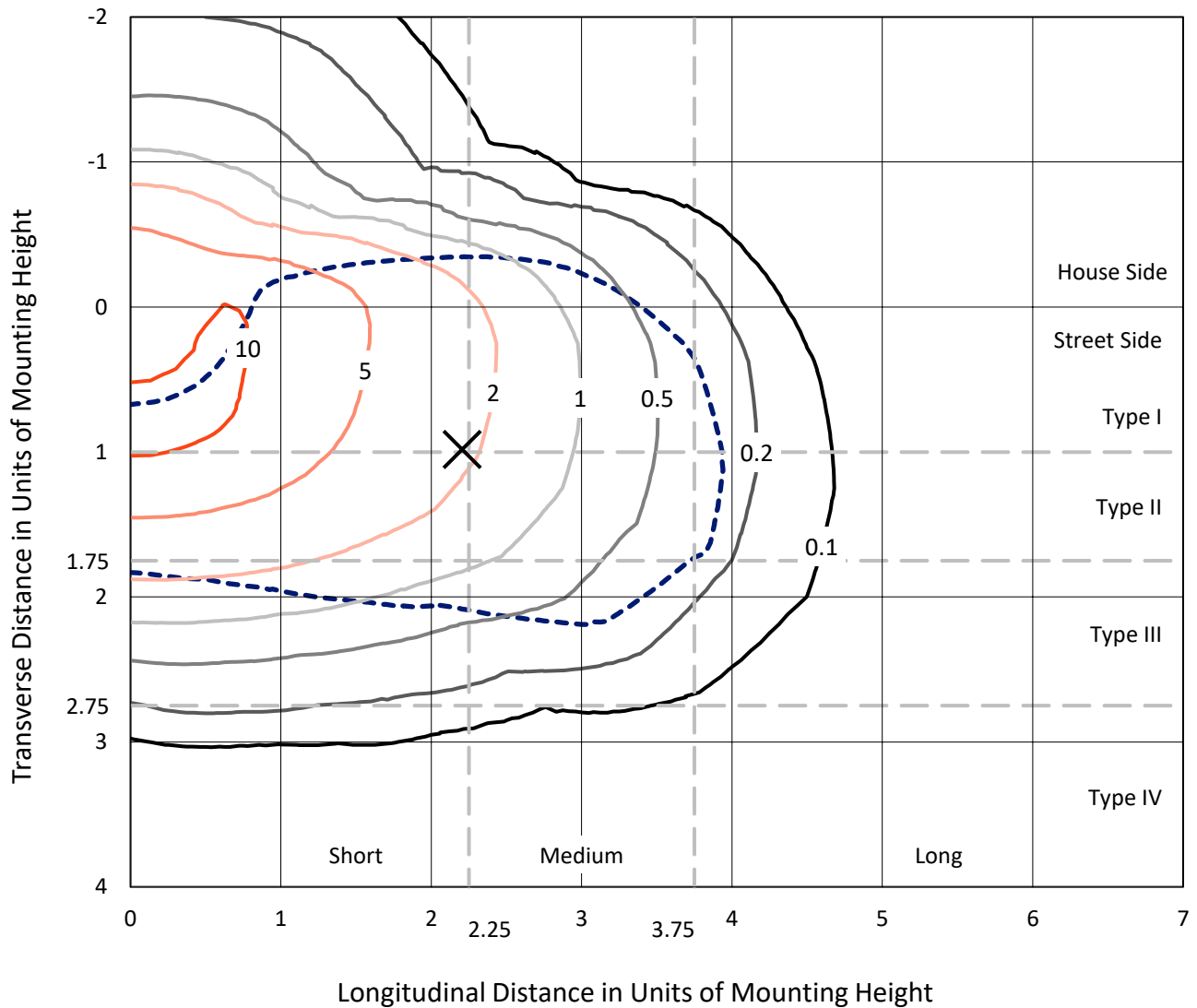
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

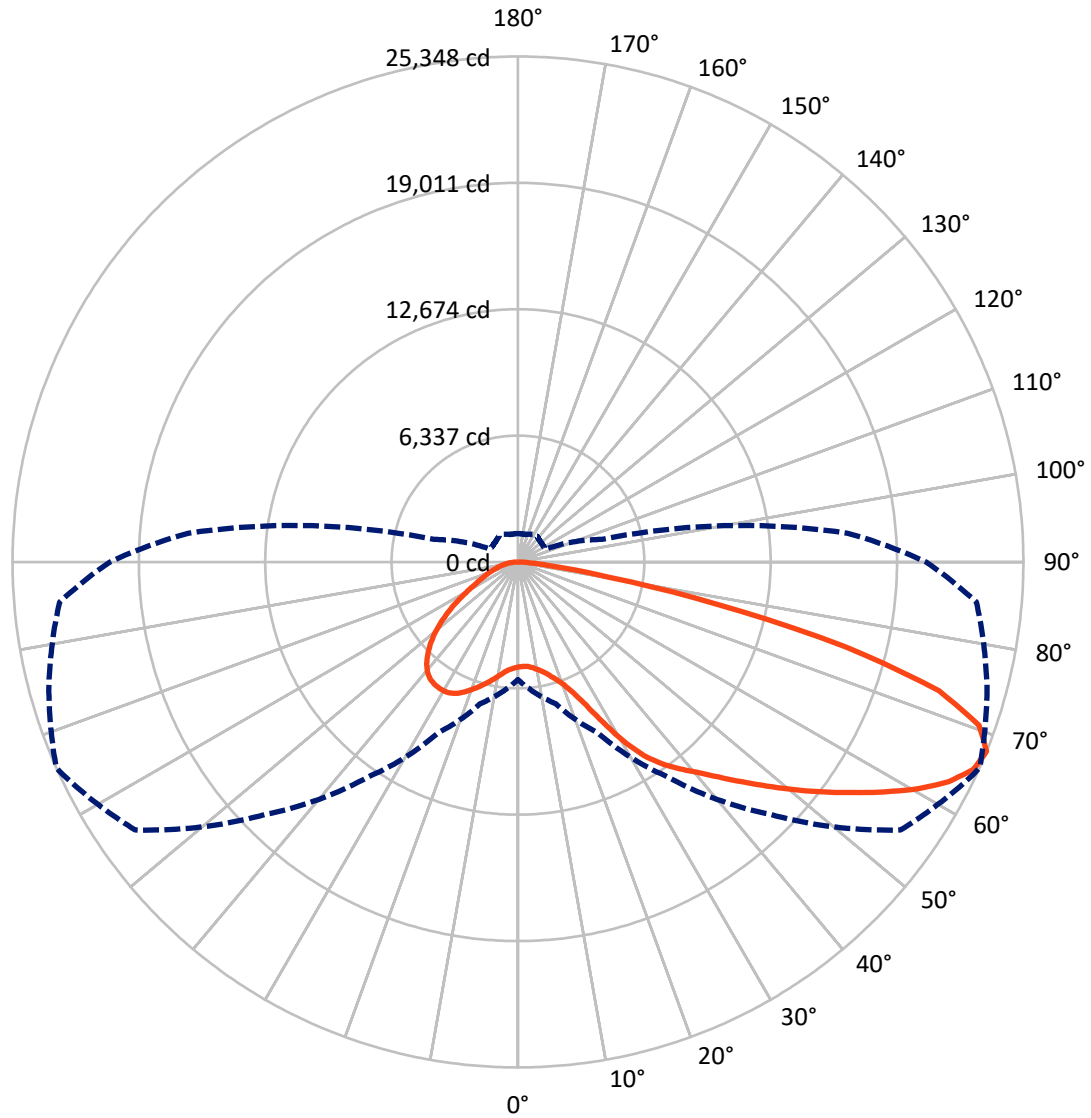
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.9 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	11807.0	0.0	11807.0
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	35678.0	0.0	35678.0
	% Fixture	75.1	0.0	75.1
Total	Lumens	47485.0	0.0	47485.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	522.2	1.1
10°-20°	1725.2	3.6
20°-30°	3325.2	7.0
30°-40°	5830.3	12.3
40°-50°	8667.8	18.3
50°-60°	10987.3	23.1
60°-70°	10750.8	22.6
70°-80°	5128.2	10.8
80°-90°	548.1	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°	47485.0	100.0
0°-180°	47485.0	100.0

Coefficient of Utilization



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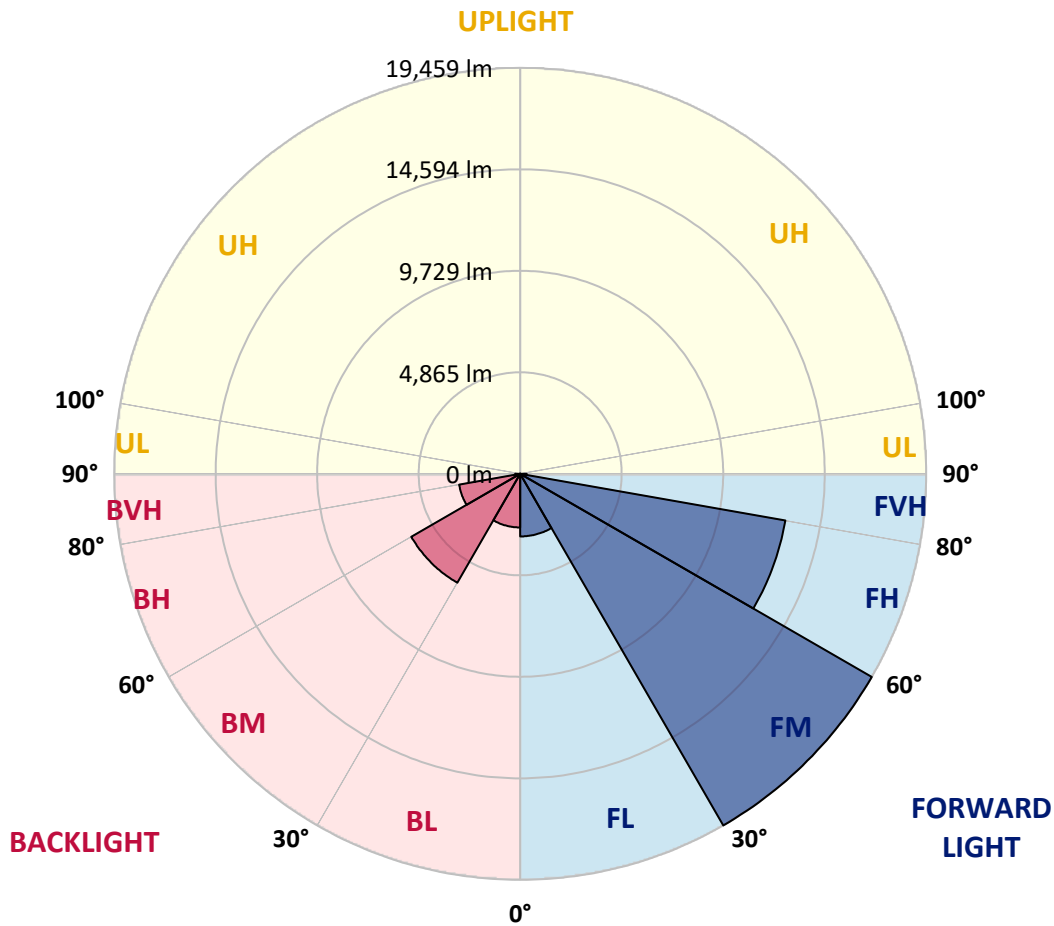
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3000.6	6.3			
FM (30°-60°)	19458.9	41.0			
FH (60°-80°)	12907.7	27.2			G5
FVH (80°-90°)	310.7	0.7			G3/500
BL (0°-30°)	2572.0	5.4	B4/5000		
BM (30°-60°)	6026.4	12.7	B4/8500		
BH (60°-80°)	2971.3	6.3	B4/5000		G4/5000
BVH (80°-90°)	237.3	0.5			G3/500
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°	5266.7	5266.7	5266.7	5266.7	5266.7	5266.7	5266.7	5266.7	5266.7	5266.7
2.5°	5211.8	5241.8	5234.3	5221.8	5219.3	5224.3	5231.8	5239.3	5236.8	5249.2
5°	5196.9	5226.8	5224.3	5224.3	5234.3	5254.2	5266.7	5279.2	5266.7	5281.7
7.5°	5206.8	5229.3	5239.3	5249.2	5274.2	5311.6	5341.6	5369.0	5354.0	5371.5
10°	5334.1	5351.5	5361.5	5361.5	5379.0	5421.4	5451.3	5501.2	5488.8	5516.2
12.5°	5566.1	5583.6	5583.6	5573.6	5586.1	5613.5	5623.5	5678.4	5655.9	5700.8
15°	5850.5	5885.4	5858.0	5840.5	5845.5	5873.0	5870.5	5912.9	5890.4	5927.9
17.5°	6164.9	6209.8	6164.9	6162.4	6152.4	6182.3	6184.8	6222.3	6182.3	6209.8
20°	6536.6	6599.0	6561.6	6574.0	6551.6	6564.1	6576.5	6631.4	6569.0	6589.0
22.5°	7060.5	7135.4	7095.5	7142.9	7127.9	7117.9	7115.4	7212.7	7115.4	7122.9
25°	7824.0	7913.8	7843.9	7908.8	7908.8	7941.2	7978.7	8103.4	7941.2	7893.8
27.5°	8951.7	9041.5	8904.3	8944.2	8931.7	9011.5	8971.6	9281.0	9106.4	9029.0
30°	10308.9	10468.6	10209.1	10199.1	10186.6	10313.9	10371.3	10575.8	10398.7	10321.4
32.5°	11775.9	11943.0	11633.7	11543.9	11496.5	11573.8	11526.4	11691.1	11568.8	11449.1
35°	13327.7	13492.4	13198.0	13023.3	12833.7	12671.5	12501.9	12544.3	12429.5	12247.4
37.5°	14794.7	15096.6	14784.7	14597.6	14248.3	13931.5	13457.4	13260.3	13153.1	12985.9
40°	16289.1	16461.3	16224.3	16064.6	15685.4	15188.9	14430.4	14013.8	13869.1	13706.9
42.5°	17389.4	17554.1	17426.8	17317.0	17020.1	16443.8	15463.3	14941.9	14732.3	14550.2
45°	18262.6	18384.8	18305.0	18344.9	18217.7	17658.8	16533.6	15937.4	15720.3	15498.3
47.5°	18614.4	18744.1	18871.4	19108.4	19325.4	18913.8	17683.8	17015.2	16785.6	16558.6
50°	18574.5	18706.7	19075.9	19579.9	20253.5	20116.3	18896.3	18162.8	17950.7	17691.3
52.5°	18255.1	18404.8	18878.8	19717.1	20789.9	21017.0	20131.3	19347.9	19148.3	18838.9
55°	17416.8	17506.6	18217.7	19405.3	20917.2	21645.7	21341.3	20610.3	20410.7	19979.1
57.5°	15862.5	15992.2	17027.6	18564.5	20597.8	22072.3	22404.1	21937.6	21745.5	21124.2
60°	13834.2	14041.2	15226.3	17152.4	19784.5	22069.8	23369.6	23242.4	23082.7	22251.9
62.5°	11538.9	11778.4	12918.5	15156.5	18362.4	21443.6	23973.4	24335.2	24252.8	23292.3
65°	8861.9	9026.5	10161.7	12574.2	16149.4	20098.8	24043.3	25081.1	25096.1	24083.2
67.5°	5900.4	6374.4	7359.9	9435.7	13185.5	17900.8	23429.5	25203.4	25348.1	24355.1
70°	2879.1	3502.8	4468.3	6132.4	9435.7	14530.2	21825.3	24200.4	24522.3	23561.7
72.5°	1195.1	1397.1	1923.6	3026.3	5416.4	9804.9	18601.9	21481.0	22077.3	20877.2
75°	805.8	873.2	1100.2	1551.8	2467.4	4835.1	13415.0	16017.2	16977.7	15767.7
77.5°	621.2	663.6	800.9	1085.3	1467.0	1828.8	7180.3	9652.7	10149.2	9395.8
80°	489.0	521.4	598.8	790.9	1040.4	978.0	2447.5	4373.5	4660.5	3909.5
82.5°	424.1	436.6	429.1	536.4	691.1	571.3	803.4	1614.2	1781.4	1292.4
85°	306.9	341.8	356.8	331.8	366.7	289.4	329.3	571.3	628.7	561.4
87.5°	124.7	184.6	227.0	214.6	134.7	82.3	102.3	167.2	192.1	209.6
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°
5266.7	0°	5266.7	5266.7	5266.7	5266.7	5266.7	5266.7	5266.7	5266.7	5266.7	5266.7
5269.2	2.5°	5271.7	5289.2	5301.6	5316.6	5326.6	5341.6	5371.5	5389.0	5391.5	5403.9
5309.1	5°	5319.1	5344.1	5371.5	5411.4	5456.3	5493.7	5551.1	5591.0	5606.0	5618.5
5406.4	7.5°	5421.4	5456.3	5506.2	5576.1	5640.9	5690.8	5760.7	5808.1	5855.5	5873.0
5561.1	10°	5573.6	5623.5	5695.8	5790.6	5860.5	5925.4	5997.7	6037.6	6085.0	6105.0
5745.7	12.5°	5763.2	5815.6	5910.4	6042.6	6107.5	6152.4	6177.3	6167.4	6177.3	6194.8
5967.8	15°	5980.3	6037.6	6144.9	6287.1	6332.0	6292.1	6237.2	6187.3	6179.8	6184.8
6237.2	17.5°	6237.2	6279.6	6404.4	6524.1	6491.7	6327.0	6207.3	6127.5	6087.5	6075.1
6581.5	20°	6596.5	6596.5	6698.8	6773.6	6556.6	6277.1	6090.0	5960.3	5878.0	5843.0
7050.6	22.5°	7033.1	6993.2	7058.0	7005.7	6544.1	6137.4	5878.0	5653.4	5528.7	5478.8
7706.7	25°	7587.0	7539.6	7522.1	7197.8	6454.3	5915.4	5493.7	5221.8	5112.0	5084.6
8652.3	27.5°	8422.8	8303.0	8076.0	7302.5	6289.6	5566.1	5044.7	4792.7	4730.3	4732.8
9867.3	30°	9535.5	9296.0	8739.6	7320.0	6020.2	5072.1	4585.6	4406.0	4376.0	4388.5
10887.7	32.5°	10565.9	10338.8	9418.2	7240.2	5606.0	4588.1	4174.0	4054.2	4009.3	4024.3
11666.1	35°	11374.2	11311.8	10046.9	7127.9	5097.1	4134.0	3804.7	3702.4	3615.1	3595.1
12399.6	37.5°	12137.6	12112.7	10518.5	6970.7	4593.1	3812.2	3507.8	3373.1	3245.9	3176.0
13210.4	40°	12975.9	12951.0	10827.8	6728.7	4146.5	3532.8	3240.9	3063.7	2906.5	2779.3
14128.6	42.5°	13919.0	13771.8	10975.0	6381.9	3767.3	3295.8	3023.8	2784.3	2577.2	2460.0
15166.4	45°	14949.4	14617.6	10972.5	5940.3	3447.9	3078.7	2791.8	2452.5	2260.4	2150.6
16231.8	47.5°	16042.1	15425.9	10837.8	5451.3	3138.6	2839.2	2432.5	2173.0	2045.8	1978.4
17389.4	50°	17169.8	16181.9	10608.3	4890.0	2821.7	2567.2	2208.0	2030.8	1933.5	1871.2
18537.0	52.5°	18230.2	16868.0	10331.3	4253.8	2499.9	2302.8	2108.2	1971.0	1868.7	1798.8
19649.8	55°	19215.6	17459.2	9939.6	3602.6	2237.9	2125.6	2060.8	1946.0	1828.8	1746.4
20779.9	57.5°	20091.4	17843.5	9263.5	2991.4	2050.8	2003.4	2010.9	1903.6	1768.9	1699.0
21892.7	60°	20819.9	18125.4	8263.1	2425.0	1898.6	1883.6	1933.5	1823.8	1666.6	1586.8
22833.2	62.5°	21256.5	18120.4	7035.6	1985.9	1768.9	1773.9	1831.2	1724.0	1564.3	1489.4
23324.7	65°	21219.0	17676.3	5688.4	1699.0	1644.1	1649.1	1724.0	1614.2	1479.5	1434.6
23077.7	67.5°	20468.1	16593.5	4363.6	1511.9	1506.9	1529.4	1616.7	1539.3	1427.1	1422.1
21605.8	70°	18434.7	14345.6	3143.6	1362.2	1364.7	1397.1	1511.9	1491.9	1399.6	1409.6
18165.3	72.5°	14782.2	10937.6	2110.7	1205.0	1207.5	1259.9	1412.1	1454.5	1372.2	1504.4
12888.6	75°	9844.8	6821.0	1357.2	1037.9	1040.4	1107.7	1324.8	1382.2	1297.3	1499.4
6706.3	77.5°	4730.3	3066.2	983.0	873.2	873.2	935.6	1145.2	1237.5	1105.2	1165.1
2155.6	80°	1634.2	1152.6	773.4	703.6	688.6	731.0	965.5	1072.8	953.0	878.2
703.6	82.5°	643.7	598.8	621.2	546.4	496.5	523.9	751.0	885.7	701.1	633.7
396.7	85°	369.2	389.2	439.1	361.8	286.9	321.8	551.4	636.2	528.9	466.5
129.7	87.5°	99.8	137.2	202.1	187.1	129.7	137.2	262.0	351.8	304.4	234.5
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>
5266.7
5401.4
5616.0
5875.5
6115.0
6199.8
6202.3
6092.5
5835.5
5471.3
5089.6
4740.3
4430.9
4044.2
3610.1
3178.5
2791.8
2467.4
2145.6
1963.5
1848.7
1768.9
1714.0
1654.1
1551.8
1467.0
1432.1
1429.6
1407.1
1524.4
1511.9
1067.8
823.3
631.2
476.5
242.0
0.0

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