

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: P953395

Luminaire Tested: **GALN-SB6D-950-U-T3R**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953395
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-5)
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-T3R
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
ROADWAY OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 44069 lumens
Efficiency: N/A
Efficacy: 100.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B4 - U0 - G5

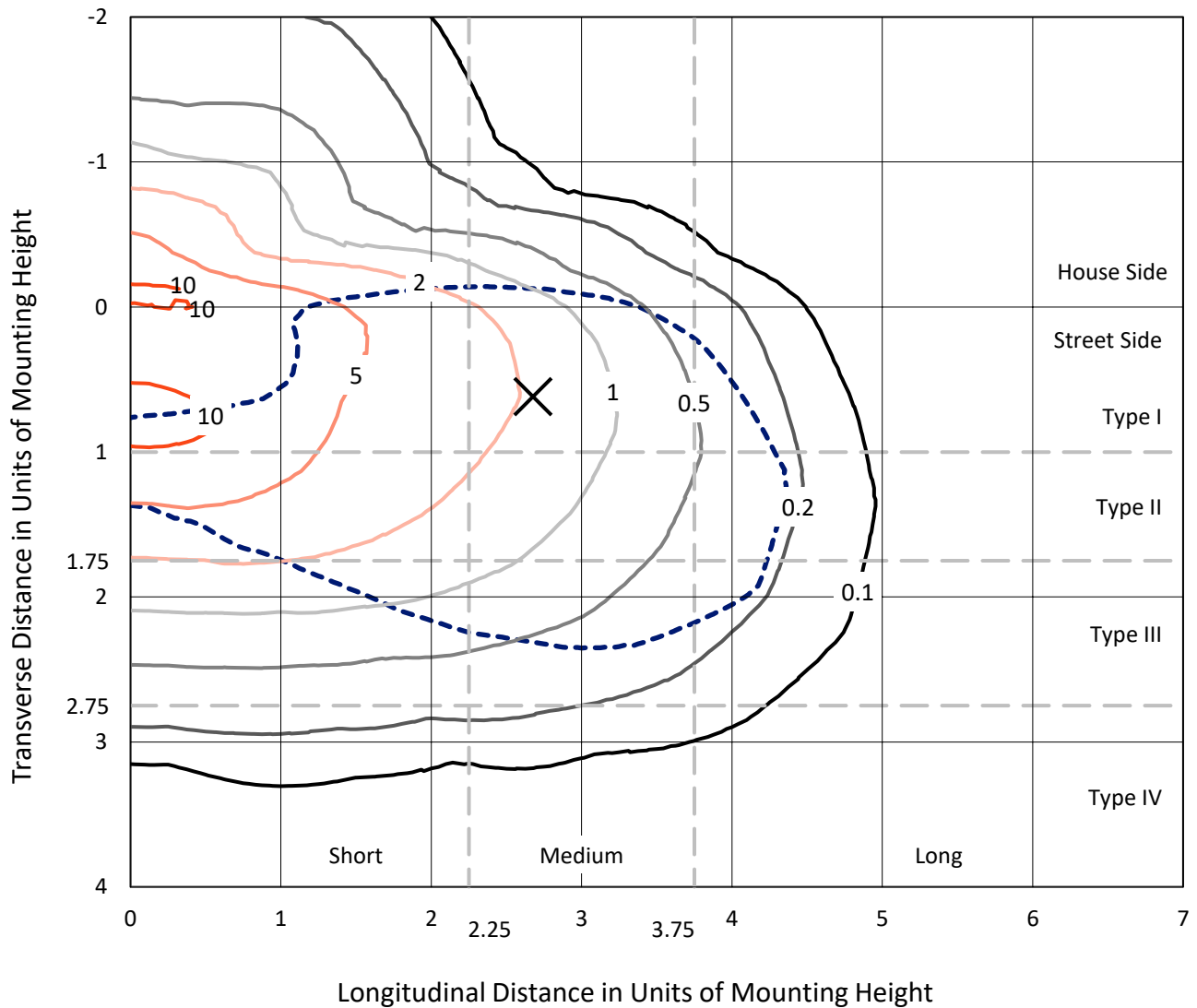
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

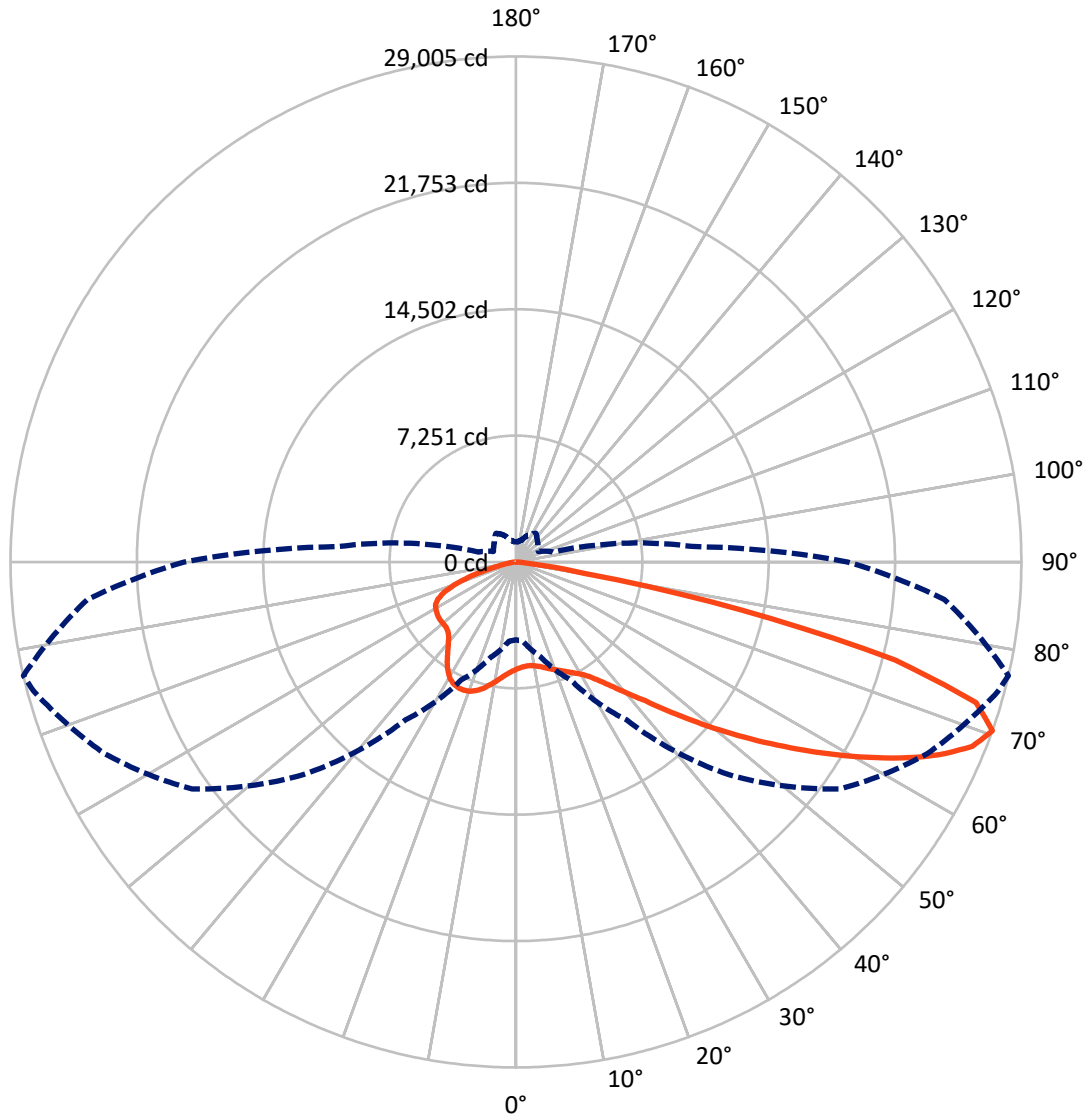
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.7 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9650.4	0.0	9650.4
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	34418.6	0.0	34418.6
	% Fixture	78.1	0.0	78.1
Total	Lumens	44069.0	0.0	44069.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	586.4	1.3
10°-20°	1692.3	3.8
20°-30°	2894.0	6.6
30°-40°	4653.9	10.6
40°-50°	7266.0	16.5
50°-60°	9705.6	22.0
60°-70°	10344.7	23.5
70°-80°	6368.1	14.5
80°-90°	558.0	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°	44069.0	100.0
0°-180°	44069.0	100.0



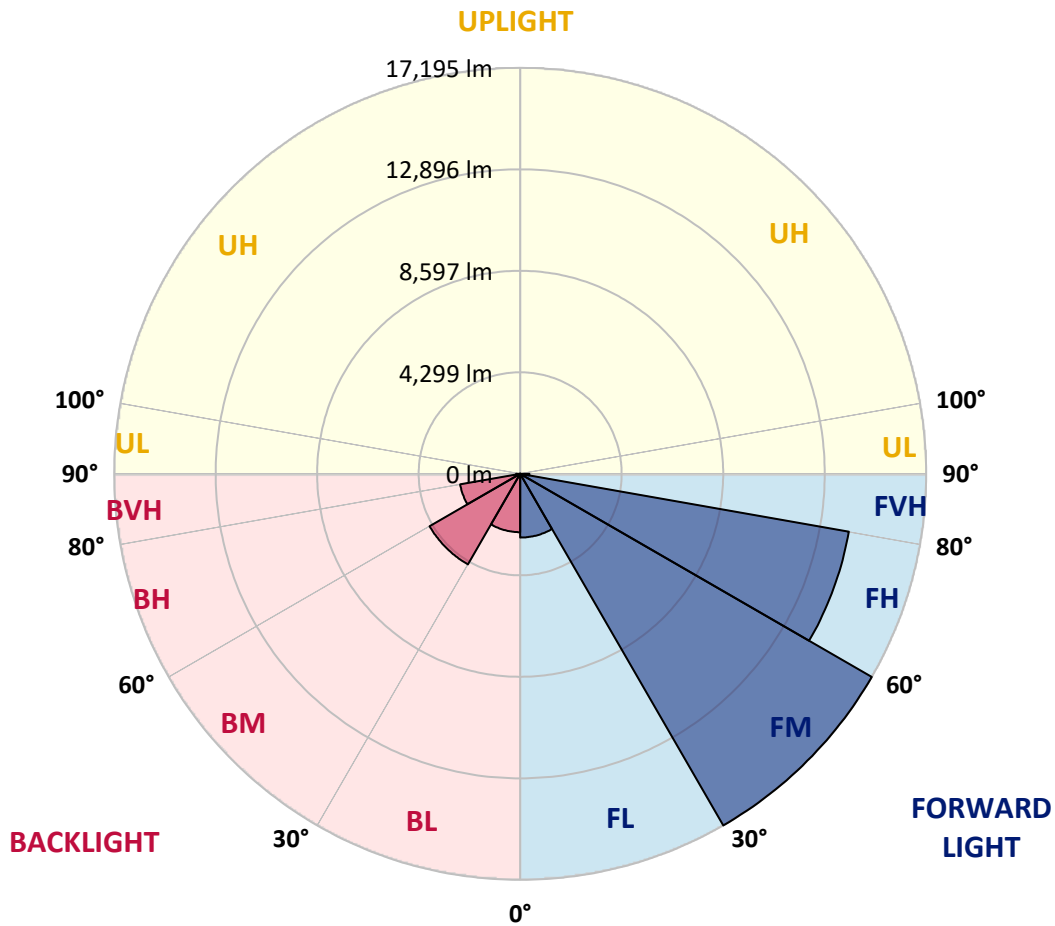
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2699.9	6.1			
FM (30°-60°)	17194.8	39.0			
FH (60°-80°)	14133.7	32.1			G5
FVH (80°-90°)	390.2	0.9			G3/500
BL (0°-30°)	2472.7	5.6	B3/2500		
BM (30°-60°)	4430.7	10.1	B3/5000		
BH (60°-80°)	2579.1	5.9	B4/5000		G4/5000
BVH (80°-90°)	167.8	0.4			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 Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	6148.0	6148.0	6148.0	6148.0	6148.0	6148.0	6148.0	6148.0	6148.0	6148.0
2.5°	5667.3	5665.0	5694.4	5703.4	5757.6	5795.9	5868.2	5944.9	6044.2	6055.5
5°	5340.0	5340.0	5373.9	5410.0	5480.0	5556.7	5667.3	5800.5	5972.0	5999.1
7.5°	5062.4	5080.5	5109.8	5179.8	5261.0	5371.6	5540.9	5730.5	5956.2	5999.1
10°	4839.0	4859.3	4895.4	4951.8	5073.7	5227.2	5448.4	5692.1	5994.6	6062.3
12.5°	4769.0	4789.3	4809.6	4852.5	4965.4	5145.9	5410.0	5710.2	6087.1	6154.8
15°	4931.5	4956.3	4940.5	4929.3	4987.9	5152.7	5428.0	5775.6	6202.2	6299.2
17.5°	5306.2	5315.2	5279.1	5173.0	5164.0	5252.0	5513.8	5865.9	6346.6	6452.7
20°	5911.0	5895.2	5820.8	5610.9	5491.2	5473.2	5660.5	6001.3	6495.6	6608.5
22.5°	6732.6	6714.5	6565.6	6233.8	5967.5	5791.4	5872.7	6177.4	6662.6	6789.0
25°	7757.3	7732.4	7513.5	7062.1	6649.1	6213.5	6161.6	6409.8	6868.0	6985.4
27.5°	8953.5	8933.1	8696.2	8100.3	7504.5	6791.3	6520.4	6682.9	7082.4	7215.6
30°	10239.9	10298.6	9878.8	9237.8	8484.0	7545.1	7003.4	7019.2	7360.0	7479.6
32.5°	11752.1	11853.7	11348.1	10535.6	9506.4	8364.4	7612.8	7488.7	7764.0	7863.3
35°	13250.8	13365.9	12946.1	12047.8	10862.9	9330.4	8249.3	8028.1	8301.2	8409.5
37.5°	14546.3	14699.7	14483.1	13702.2	12314.1	10495.0	9079.9	8662.3	8962.5	9097.9
40°	15568.7	15803.4	15787.6	15300.1	14024.9	11907.9	10133.9	9445.5	9784.0	9930.7
42.5°	16399.3	16602.4	16778.4	16753.6	15810.2	13512.6	11372.9	10463.4	10720.7	10890.0
45°	16972.5	17189.2	17568.4	17976.9	17527.7	15230.1	12792.6	11670.9	11905.6	12160.6
47.5°	17484.9	17730.9	18222.9	18870.7	18985.8	16954.5	14347.7	13077.0	13291.4	13555.5
50°	17530.0	17742.2	18505.0	19423.6	20021.7	18611.1	16017.8	14654.6	14855.5	15137.6
52.5°	16439.9	16773.9	18105.5	19407.8	20497.9	19996.9	17676.7	16295.4	16521.1	16859.7
55°	12761.0	13250.8	16934.2	18802.9	20328.7	20892.9	19254.3	18040.1	18329.0	18683.3
57.5°	10991.5	11205.9	13442.6	17701.5	19556.8	21125.4	20586.0	19802.8	20267.7	20655.9
60°	9878.8	10057.1	11379.7	15988.5	18541.1	20757.5	21615.1	21445.9	22249.4	22712.0
62.5°	8687.1	8856.4	10059.4	13350.1	17241.1	20145.8	22265.2	22962.6	24280.6	24786.2
65°	7504.5	7648.9	8802.2	11217.2	15589.0	19534.2	22601.4	24273.9	26160.7	26684.3
67.5°	6186.4	6306.0	7396.1	9463.5	13580.3	18696.9	22768.5	25305.3	27797.0	28246.2
70°	4464.3	4556.9	5683.1	7484.2	11059.2	17256.9	22700.8	26036.6	28645.7	29004.5
72.5°	2110.3	2193.8	3516.4	4859.3	7811.4	14453.7	21330.8	25456.5	27783.5	27605.2
75°	1126.2	1198.5	2020.0	2665.5	4125.8	9908.2	17455.5	21928.9	23330.5	22463.8
77.5°	762.9	819.3	1250.4	1600.2	1884.6	4703.6	11219.5	15182.7	14607.2	13176.3
80°	604.9	663.6	1024.7	1083.4	911.8	1699.5	4635.8	7028.3	5048.9	4037.7
82.5°	464.9	530.4	862.2	785.4	496.5	697.4	1349.7	2223.1	1293.3	984.0
85°	284.4	354.3	677.1	501.1	279.9	318.2	458.2	618.4	395.0	329.5
87.5°	144.4	203.1	343.1	182.8	126.4	74.5	121.9	121.9	103.8	90.3
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°
6148.0	0°	6148.0	6148.0	6148.0	6148.0	6148.0	6148.0	6148.0	6148.0	6148.0	6148.0
6116.4	2.5°	6170.6	6215.7	6292.5	6364.7	6421.1	6475.3	6529.5	6558.8	6567.8	6603.9
6150.3	5°	6242.8	6326.3	6475.3	6615.2	6703.2	6757.4	6795.8	6818.4	6822.9	6834.2
6242.8	7.5°	6376.0	6509.1	6716.8	6856.7	6922.2	6917.7	6901.9	6845.4	6822.9	6802.6
6378.2	10°	6563.3	6739.4	6994.4	7091.4	7050.8	6942.5	6802.6	6637.8	6561.1	6486.6
6563.3	12.5°	6795.8	7019.2	7269.7	7265.2	7064.4	6786.8	6461.7	6209.0	6048.7	5933.6
6791.3	15°	7077.9	7335.2	7527.0	7373.6	6933.5	6434.7	5958.4	5628.9	5484.5	5358.1
7021.5	17.5°	7369.1	7644.4	7732.4	7339.7	6603.9	5913.3	5373.9	5114.3	4972.1	4904.4
7269.7	20°	7653.4	7926.5	7854.3	7145.6	6102.9	5322.0	4841.2	4699.0	4669.7	4685.5
7511.2	22.5°	7953.6	8197.4	7879.1	6771.0	5464.2	4717.1	4453.0	4457.5	4523.0	4570.4
7764.0	25°	8260.6	8425.3	7813.7	6229.3	4778.0	4272.5	4207.0	4279.2	4407.9	4500.4
8048.4	27.5°	8556.2	8628.5	7671.5	5559.0	4189.0	3954.2	3965.5	4114.5	4308.6	4437.2
8393.7	30°	8890.3	8809.0	7398.4	4805.1	3780.5	3681.1	3775.9	3949.7	4143.8	4258.9
8829.3	32.5°	9267.2	8964.7	6965.1	4107.7	3491.6	3462.2	3617.9	3730.8	3816.6	3850.4
9407.1	35°	9736.6	9183.7	6409.8	3617.9	3232.0	3302.0	3450.9	3394.5	3360.7	3342.6
10183.5	37.5°	10346.0	9479.3	5759.8	3299.7	3022.1	3186.9	3247.8	3071.8	2938.6	2873.1
11124.7	40°	11079.5	9912.7	5134.6	3053.7	2888.9	3087.6	2981.5	2769.3	2600.0	2507.5
12183.2	42.5°	11894.3	10366.3	4608.8	2868.6	2814.5	3006.3	2785.1	2532.3	2259.2	2229.9
13444.9	45°	12749.7	10833.5	4249.9	2726.4	2778.3	2936.3	2672.3	2263.8	2069.7	2189.3
14711.0	47.5°	13605.1	11262.4	4033.2	2620.4	2760.3	2857.3	2573.0	2114.8	1977.1	2150.9
16067.5	50°	14557.6	11646.0	3936.2	2543.6	2740.0	2825.7	2424.0	2076.4	1880.1	1995.2
17471.3	52.5°	15503.2	11944.0	3864.0	2466.9	2710.6	2800.9	2351.8	2031.3	1762.7	1769.5
18884.2	55°	16446.7	12138.1	3785.0	2365.3	2645.2	2746.8	2345.0	1981.6	1674.7	1643.1
20378.3	57.5°	17453.3	12248.7	3687.9	2252.5	2532.3	2609.1	2338.2	1943.3	1647.6	1595.7
21906.3	60°	18477.9	12411.2	3561.5	2114.8	2381.1	2444.3	2322.4	1929.7	1631.8	1543.8
23346.3	62.5°	19396.5	12467.6	3410.3	1983.9	2187.0	2281.8	2288.6	1918.4	1588.9	1437.7
24542.5	65°	19999.1	12223.8	3146.2	1834.9	1977.1	2114.8	2223.1	1880.1	1512.2	1361.0
25133.8	67.5°	19974.3	11528.7	2733.2	1643.1	1774.0	1929.7	2128.3	1814.6	1419.6	1266.2
24686.9	70°	19044.4	10156.4	2209.6	1419.6	1550.5	1731.1	2006.5	1717.6	1309.1	1162.3
21951.4	72.5°	16333.8	7949.1	1604.7	1157.8	1291.0	1525.7	1848.5	1600.2	1196.2	1069.8
16223.2	75°	11668.6	5030.8	1087.9	889.3	1004.4	1293.3	1652.1	1462.5	1092.4	1074.3
8125.1	77.5°	5960.7	2403.7	720.0	650.0	699.7	1020.2	1388.0	1306.8	1108.2	887.0
2311.2	80°	1938.8	887.0	453.7	442.4	464.9	679.4	1074.3	1072.1	839.6	602.6
559.7	82.5°	618.4	381.4	295.7	284.4	273.1	426.6	749.3	848.6	566.5	381.4
200.9	85°	246.0	228.0	173.8	160.2	115.1	200.9	392.7	564.2	422.1	275.4
51.9	87.5°	90.3	90.3	47.4	33.9	24.8	67.7	106.1	169.3	241.5	142.2
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>
6148.0
6624.3
6852.2
6807.1
6464.0
5906.5
5344.5
4924.7
4678.7
4581.7
4525.3
4468.8
4286.0
3868.5
3360.7
2888.9
2514.3
2259.2
2252.5
2232.2
2080.9
1816.9
1665.7
1602.5
1550.5
1437.7
1361.0
1272.9
1175.9
1063.0
1013.4
789.9
532.6
379.2
282.1
139.9
0.0

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