

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: P942787

Luminaire Tested: **GALN-SB6D-950-U-T3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942787
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-SB6D-950-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 42956 lumens
Efficiency: N/A
Efficacy: 97.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G4

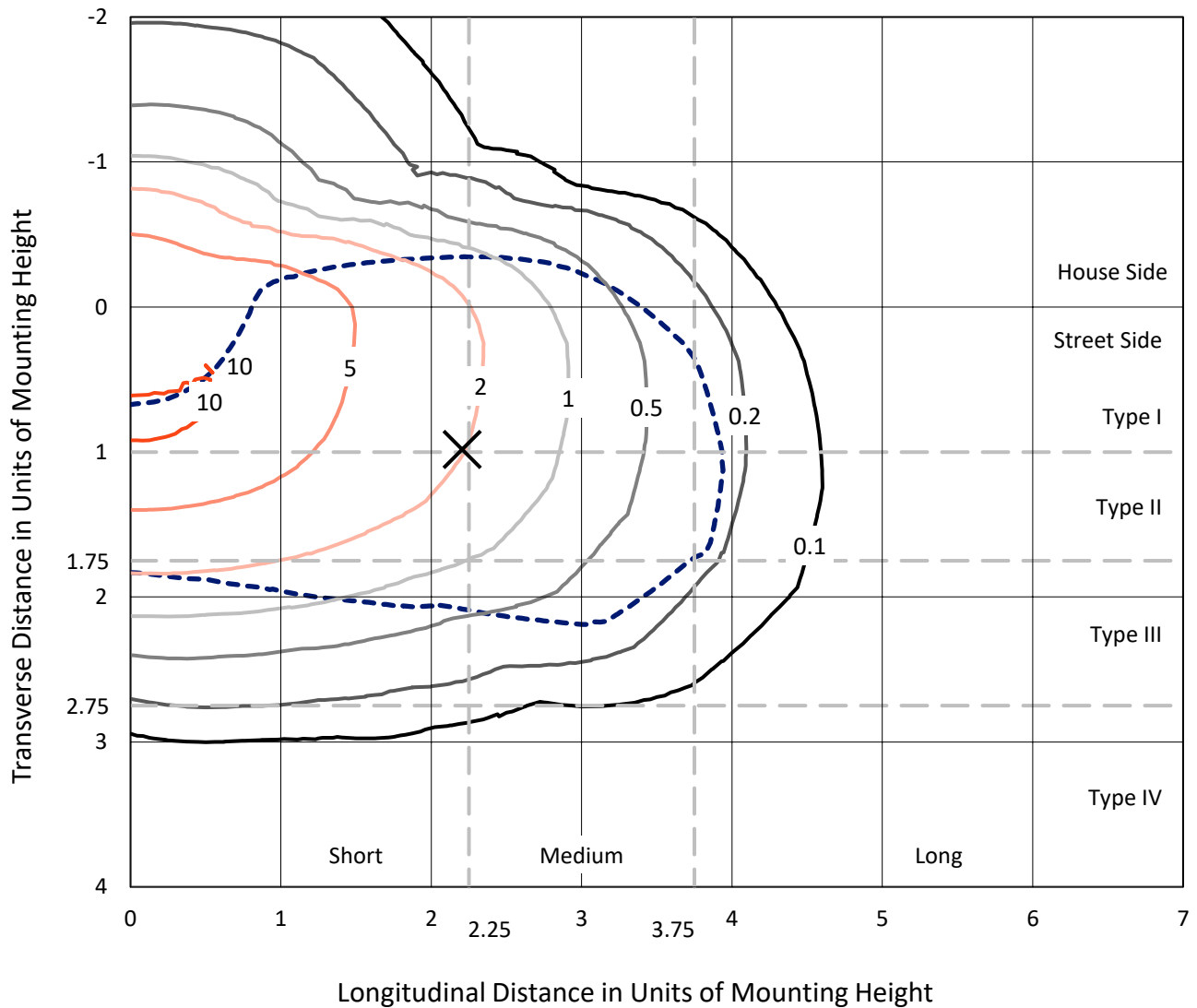
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

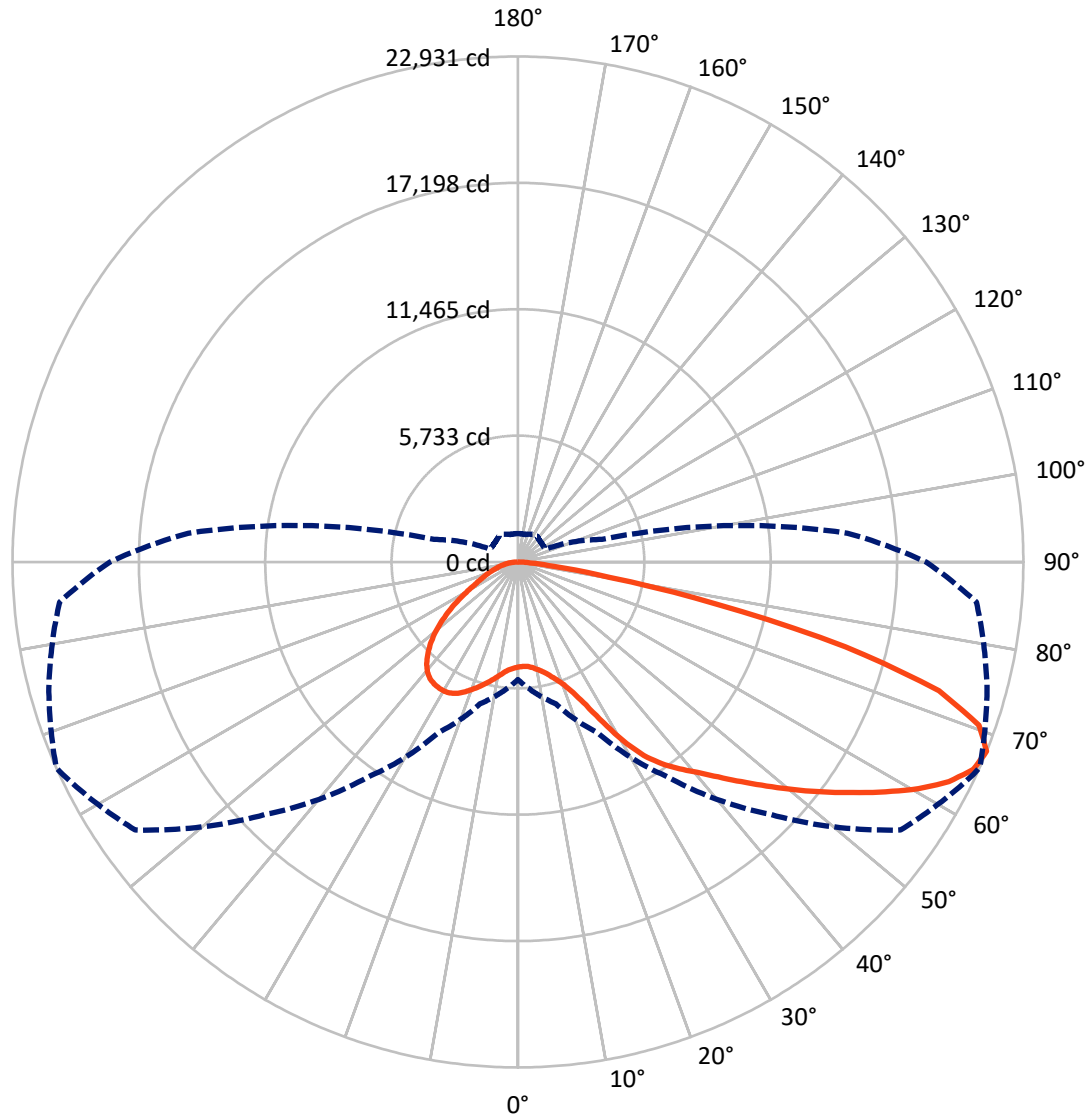
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.8 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	10680.9	0.0	10680.9
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	32275.1	0.0	32275.1
	% Fixture	75.1	0.0	75.1
Total	Lumens	42956.0	0.0	42956.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	472.4	1.1
10°-20°	1560.6	3.6
20°-30°	3008.1	7.0
30°-40°	5274.3	12.3
40°-50°	7841.1	18.3
50°-60°	9939.3	23.1
60°-70°	9725.4	22.6
70°-80°	4639.1	10.8
80°-90°	495.8	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°	42956.0	100.0
0°-180°	42956.0	100.0

Coefficient of Utilization



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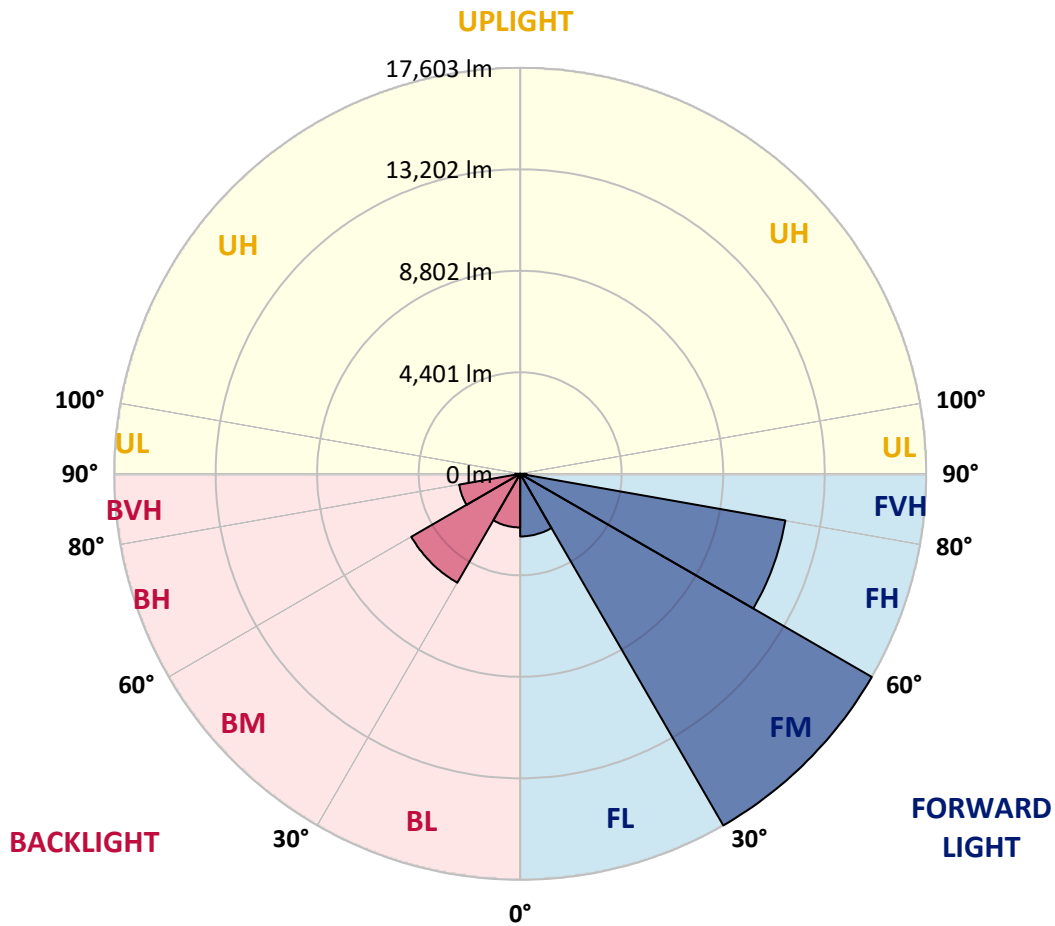
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2714.4	6.3			
FM (30°-60°)	17603.0	41.0			
FH (60°-80°)	11676.6	27.2			G4/12000
FVH (80°-90°)	281.1	0.7			G3/500
BL (0°-30°)	2326.7	5.4	B3/2500		
BM (30°-60°)	5451.6	12.7	B4/8500		
BH (60°-80°)	2687.9	6.3	B4/5000		G4/5000
BVH (80°-90°)	214.7	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-G4

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	4764.4	4764.4	4764.4	4764.4	4764.4	4764.4	4764.4	4764.4	4764.4	4764.4
2.5°	4714.7	4741.8	4735.0	4723.8	4721.5	4726.0	4732.8	4739.6	4737.3	4748.6
5°	4701.2	4728.3	4726.0	4726.0	4735.0	4753.1	4764.4	4775.7	4764.4	4777.9
7.5°	4710.2	4730.5	4739.6	4748.6	4771.2	4805.0	4832.1	4856.9	4843.4	4859.2
10°	4825.3	4841.1	4850.2	4850.2	4866.0	4904.3	4931.4	4976.5	4965.3	4990.1
12.5°	5035.2	5051.0	5051.0	5042.0	5053.3	5078.1	5087.1	5136.8	5116.5	5157.1
15°	5292.5	5324.1	5299.3	5283.5	5288.0	5312.8	5310.6	5348.9	5328.6	5362.5
17.5°	5576.9	5617.5	5576.9	5574.6	5565.6	5592.7	5594.9	5628.8	5592.7	5617.5
20°	5913.2	5969.6	5935.7	5947.0	5926.7	5938.0	5949.3	5998.9	5942.5	5960.6
22.5°	6387.1	6454.8	6418.7	6461.6	6448.1	6439.0	6436.8	6524.8	6436.8	6443.5
25°	7077.7	7159.0	7095.8	7154.5	7154.5	7183.8	7217.7	7330.5	7183.8	7140.9
27.5°	8097.9	8179.1	8055.0	8091.1	8079.8	8152.0	8115.9	8395.8	8237.8	8167.8
30°	9325.7	9470.1	9235.4	9226.3	9215.1	9330.2	9382.1	9567.1	9406.9	9336.9
32.5°	10652.7	10803.9	10524.1	10442.8	10400.0	10469.9	10427.0	10576.0	10465.4	10357.1
35°	12056.5	12205.5	11939.2	11781.2	11609.7	11463.0	11309.5	11347.9	11244.0	11079.3
37.5°	13383.6	13656.7	13374.6	13205.3	12889.4	12602.7	12173.9	11995.6	11898.6	11747.3
40°	14735.5	14891.3	14676.8	14532.4	14189.3	13740.2	13054.1	12677.2	12546.3	12399.6
42.5°	15730.8	15879.8	15764.7	15665.4	15396.8	14875.5	13988.5	13516.8	13327.2	13162.4
45°	16520.8	16631.3	16559.1	16595.2	16480.1	15974.6	14956.7	14417.3	14220.9	14020.1
47.5°	16839.0	16956.3	17071.5	17285.9	17482.2	17109.8	15997.1	15392.3	15184.7	14979.3
50°	16802.9	16922.5	17256.5	17712.4	18321.8	18197.7	17094.0	16430.5	16238.6	16003.9
52.5°	16514.0	16649.4	17078.2	17836.6	18807.0	19012.4	18211.2	17502.5	17322.0	17042.1
55°	15755.7	15836.9	16480.1	17554.4	18922.1	19581.2	19305.8	18644.5	18464.0	18073.5
57.5°	14349.6	14466.9	15403.6	16793.8	18633.2	19967.1	20267.3	19845.2	19671.4	19109.5
60°	12514.7	12702.0	13774.1	15516.4	17897.5	19964.8	21140.7	21025.6	20881.2	20129.6
62.5°	10438.3	10655.0	11686.4	13710.9	16611.0	19398.3	21686.9	22014.1	21939.7	21070.7
65°	8016.6	8165.6	9192.5	11374.9	14609.1	18181.9	21750.1	22689.0	22702.5	21786.2
67.5°	5337.6	5766.5	6658.0	8535.7	11927.9	16193.5	21194.9	22799.5	22930.5	22032.2
70°	2604.5	3168.7	4042.2	5547.5	8535.7	13144.4	19743.7	21892.3	22183.4	21314.5
72.5°	1081.1	1263.9	1740.1	2737.7	4899.8	8869.8	16827.7	19432.2	19971.6	18886.0
75°	729.0	789.9	995.3	1403.8	2232.1	4373.9	12135.5	14489.5	15358.4	14263.8
77.5°	562.0	600.3	724.5	981.8	1327.1	1654.3	6495.5	8732.1	9181.2	8499.6
80°	442.4	471.7	541.7	715.4	941.1	884.7	2214.1	3956.4	4216.0	3536.6
82.5°	383.7	395.0	388.2	485.2	625.2	516.8	726.7	1460.2	1611.5	1169.1
85°	277.6	309.2	322.7	300.2	331.8	261.8	297.9	516.8	568.7	507.8
87.5°	112.8	167.0	205.4	194.1	121.9	74.5	92.5	151.2	173.8	189.6
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°
4764.4	0°	4764.4	4764.4	4764.4	4764.4	4764.4	4764.4	4764.4	4764.4	4764.4	4764.4
4766.6	2.5°	4768.9	4784.7	4796.0	4809.5	4818.6	4832.1	4859.2	4875.0	4877.2	4888.5
4802.8	5°	4811.8	4834.4	4859.2	4895.3	4935.9	4969.8	5021.7	5057.8	5071.3	5082.6
4890.8	7.5°	4904.3	4935.9	4981.1	5044.2	5102.9	5148.1	5211.3	5254.1	5297.0	5312.8
5030.7	10°	5042.0	5087.1	5152.6	5238.3	5301.5	5360.2	5425.7	5461.8	5504.7	5522.7
5197.7	12.5°	5213.5	5260.9	5346.7	5466.3	5525.0	5565.6	5588.2	5579.1	5588.2	5604.0
5398.6	15°	5409.9	5461.8	5558.8	5687.5	5728.1	5692.0	5642.3	5597.2	5590.4	5594.9
5642.3	17.5°	5642.3	5680.7	5793.6	5901.9	5872.5	5723.6	5615.3	5543.0	5506.9	5495.6
5953.8	20°	5967.3	5967.3	6059.9	6127.6	5931.2	5678.4	5509.2	5391.8	5317.3	5285.7
6378.1	22.5°	6362.3	6326.2	6384.9	6337.5	5919.9	5552.1	5317.3	5114.2	5001.4	4956.2
6971.7	25°	6863.3	6820.5	6804.7	6511.3	5838.7	5351.2	4969.8	4723.8	4624.5	4599.6
7827.0	27.5°	7619.4	7511.1	7305.7	6606.0	5689.7	5035.2	4563.5	4335.6	4279.1	4281.4
8926.2	30°	8626.0	8409.3	7906.0	6621.8	5446.0	4588.3	4148.2	3985.7	3958.7	3969.9
9849.3	32.5°	9558.1	9352.7	8519.9	6549.6	5071.3	4150.5	3775.9	3667.5	3626.9	3640.4
10553.4	35°	10289.4	10232.9	9088.7	6448.1	4610.9	3739.7	3441.8	3349.3	3270.3	3252.2
11217.0	37.5°	10980.0	10957.4	9515.2	6305.9	4155.0	3448.6	3173.2	3051.4	2936.3	2873.1
11950.5	40°	11738.3	11715.7	9795.1	6087.0	3751.0	3195.8	2931.8	2771.5	2629.3	2514.2
12781.0	42.5°	12591.4	12458.3	9928.3	5773.2	3408.0	2981.4	2735.4	2518.7	2331.4	2225.3
13719.9	45°	13523.5	13223.4	9926.0	5373.8	3119.1	2785.1	2525.5	2218.6	2044.8	1945.5
14683.6	47.5°	14512.1	13954.6	9804.1	4931.4	2839.2	2568.4	2200.5	1965.8	1850.7	1789.7
15730.8	50°	15532.2	14638.5	9596.5	4423.6	2552.6	2322.4	1997.4	1837.1	1749.1	1692.7
16769.0	52.5°	16491.4	15259.1	9346.0	3848.1	2261.4	2083.2	1907.1	1783.0	1690.4	1627.2
17775.6	55°	17382.9	15794.0	8991.6	3259.0	2024.5	1922.9	1864.2	1760.4	1654.3	1579.9
18798.0	57.5°	18175.1	16141.6	8380.0	2706.1	1855.2	1812.3	1819.1	1722.0	1600.2	1537.0
19804.6	60°	18834.1	16396.6	7475.0	2193.7	1717.5	1704.0	1749.1	1649.8	1507.6	1435.4
20655.5	62.5°	19229.1	16392.1	6364.6	1796.5	1600.2	1604.7	1656.6	1559.5	1415.1	1347.4
21100.1	65°	19195.2	15990.4	5145.8	1537.0	1487.3	1491.8	1559.5	1460.2	1338.4	1297.7
20876.6	67.5°	18515.9	15010.9	3947.4	1367.7	1363.2	1383.5	1462.5	1392.5	1291.0	1286.5
19545.1	70°	16676.5	12977.4	2843.7	1232.3	1234.5	1263.9	1367.7	1349.6	1266.1	1275.2
16432.7	72.5°	13372.3	9894.4	1909.4	1090.1	1092.4	1139.8	1277.4	1315.8	1241.3	1360.9
11659.3	75°	8905.9	6170.5	1227.8	938.9	941.1	1002.1	1198.4	1250.3	1173.6	1356.4
6066.6	77.5°	4279.1	2773.8	889.2	789.9	789.9	846.4	1035.9	1119.4	999.8	1054.0
1950.0	80°	1478.3	1042.7	699.6	636.5	622.9	661.3	873.4	970.5	862.1	794.4
636.5	82.5°	582.3	541.7	562.0	494.3	449.1	474.0	679.3	801.2	634.2	573.3
358.9	85°	334.0	352.1	397.2	327.3	259.5	291.1	498.8	575.5	478.5	422.0
117.4	87.5°	90.3	124.1	182.8	169.3	117.4	124.1	237.0	318.2	275.3	212.2
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>
4764.4
4886.3
5080.4
5315.1
5531.7
5608.5
5610.7
5511.4
5279.0
4949.5
4604.1
4288.2
4008.3
3658.5
3265.8
2875.3
2525.5
2232.1
1941.0
1776.2
1672.4
1600.2
1550.5
1496.3
1403.8
1327.1
1295.5
1293.2
1272.9
1379.0
1367.7
966.0
744.8
571.0
431.1
218.9
0.0

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