

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: P941947

Luminaire Tested: **GLAN-SB5D-722-U-T3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P941947
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: STREETWORKS
Catalog Number: GLAN-SB5D-722-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 42493 lumens
Efficiency: N/A
Efficacy: 116.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G4

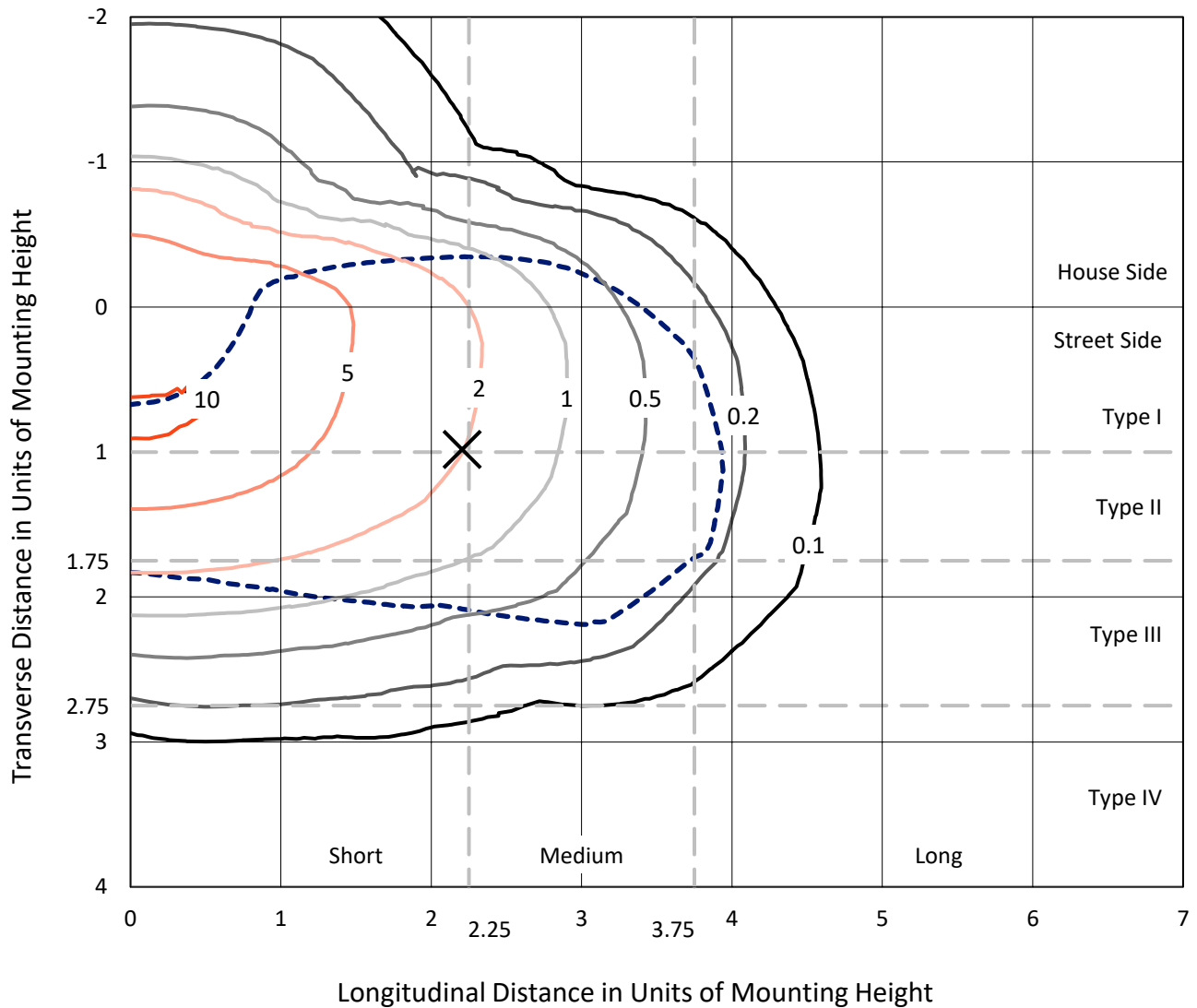
Input Watts (W): 364.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

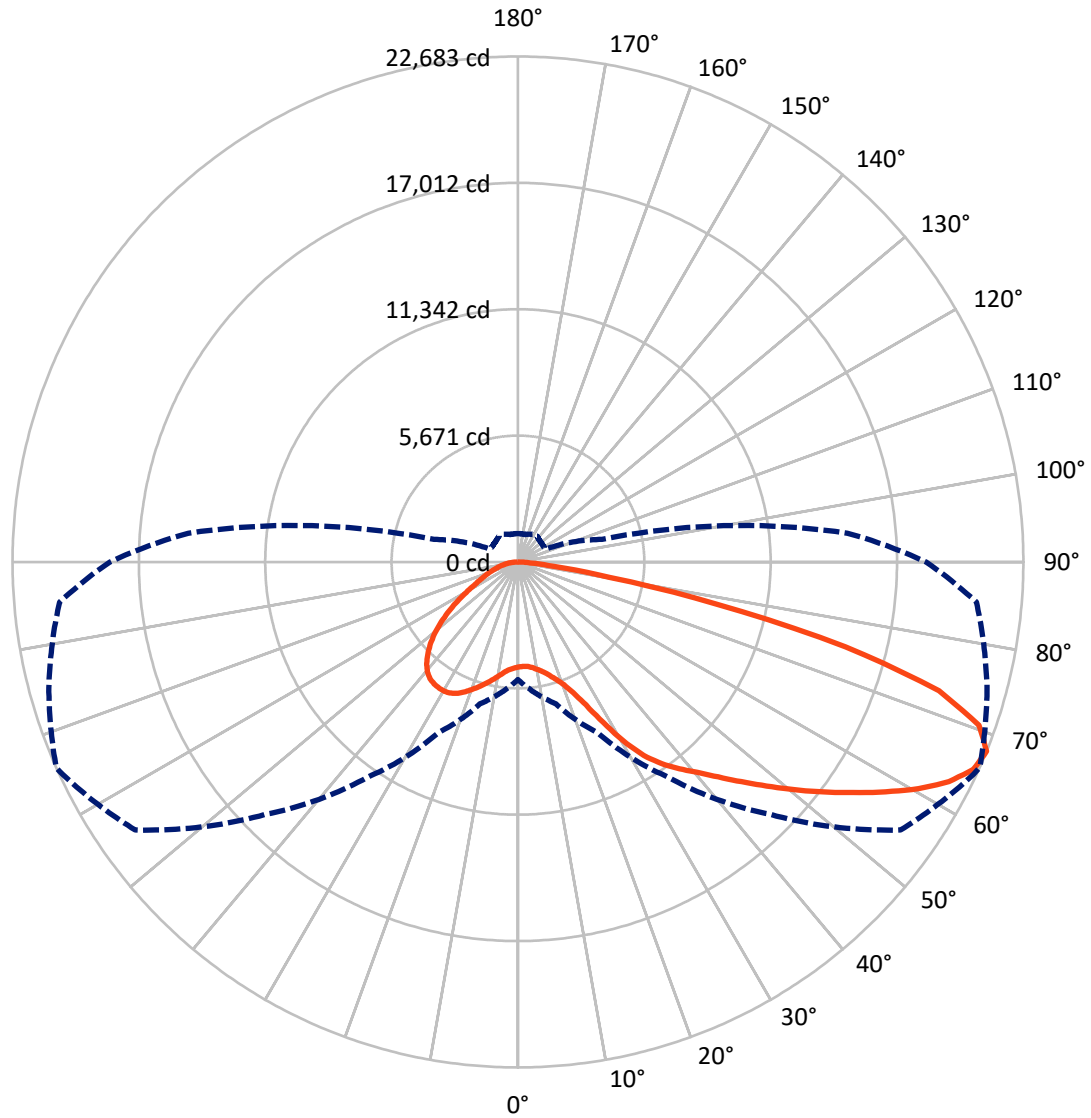
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.7 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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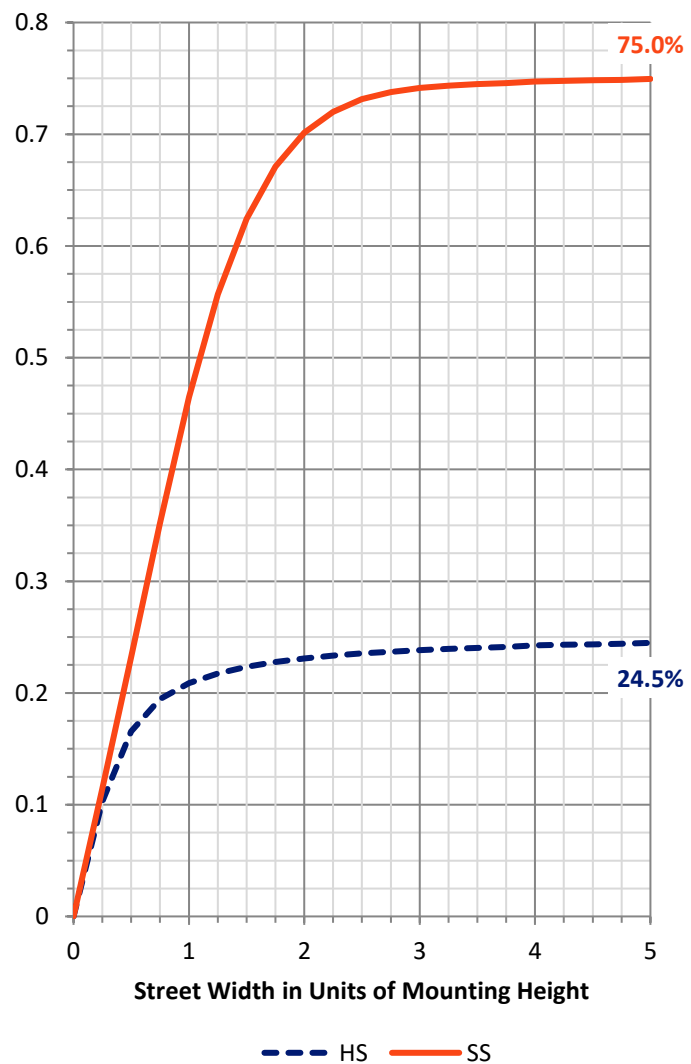
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10565.8	0.0	10565.8
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	31927.2	0.0	31927.2
	% Fixture	75.1	0.0	75.1
Total	Lumens	42493.0	0.0	42493.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	467.3	1.1
10°-20°	1543.8	3.6
20°-30°	2975.6	7.0
30°-40°	5217.4	12.3
40°-50°	7756.6	18.3
50°-60°	9832.2	23.1
60°-70°	9620.5	22.6
70°-80°	4589.1	10.8
80°-90°	490.4	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°	42493.0	100.0
0°-180°	42493.0	100.0

Coefficient of Utilization



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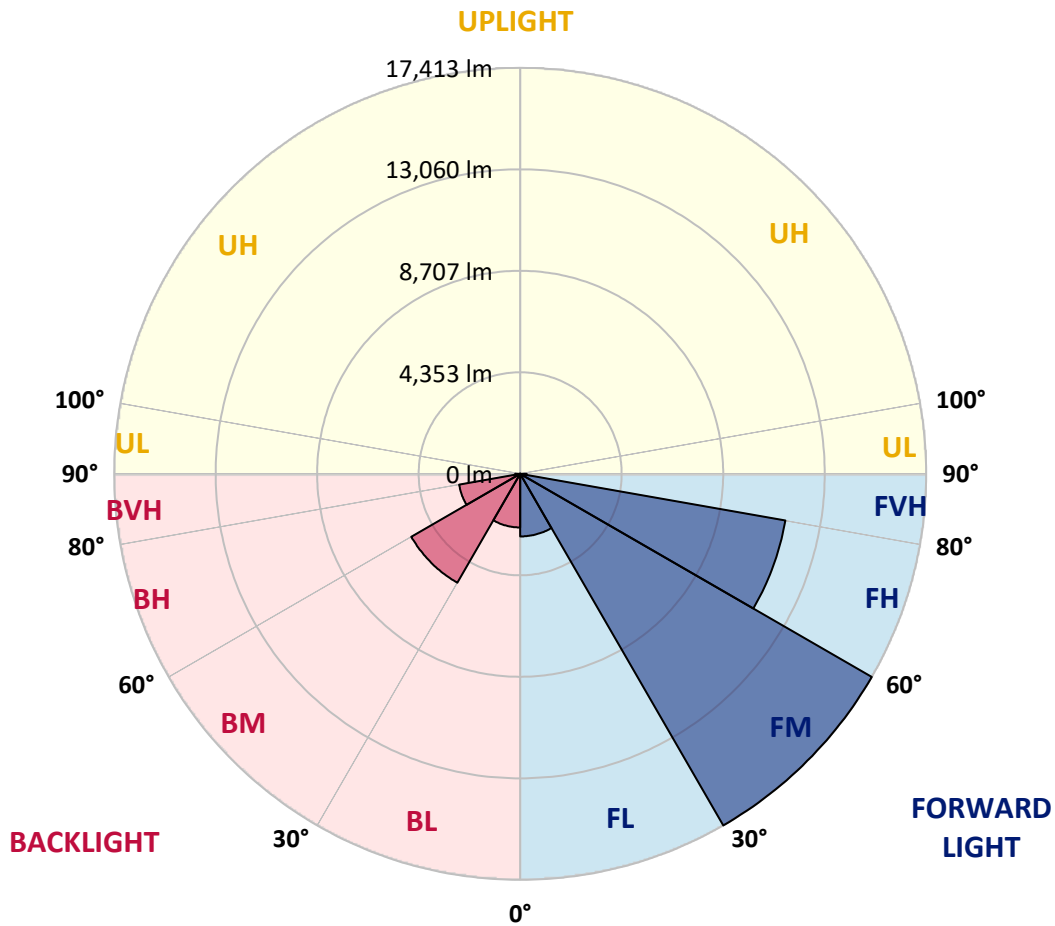
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2685.1	6.3			
FM (30°-60°)	17413.3	41.0			
FH (60°-80°)	11550.8	27.2			G4/12000
FVH (80°-90°)	278.1	0.7			G3/500
BL (0°-30°)	2301.6	5.4	B3/2500		
BM (30°-60°)	5392.9	12.7	B4/8500		
BH (60°-80°)	2658.9	6.3	B4/5000		G4/5000
BVH (80°-90°)	212.4	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°	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0
2.5°	4663.9	4690.7	4684.0	4672.8	4670.6	4675.1	4681.8	4688.5	4686.2	4697.4
5°	4650.5	4677.3	4675.1	4675.1	4684.0	4701.9	4713.0	4724.2	4713.0	4726.4
7.5°	4659.5	4679.5	4688.5	4697.4	4719.7	4753.2	4780.0	4804.6	4791.2	4806.8
10°	4773.3	4788.9	4797.9	4797.9	4813.5	4851.5	4878.2	4922.9	4911.7	4936.3
12.5°	4980.9	4996.6	4996.6	4987.6	4998.8	5023.4	5032.3	5081.4	5061.3	5101.5
15°	5235.5	5266.7	5242.2	5226.5	5231.0	5255.6	5253.3	5291.3	5271.2	5304.7
17.5°	5516.8	5557.0	5516.8	5514.5	5505.6	5532.4	5534.6	5568.1	5532.4	5557.0
20°	5849.4	5905.2	5871.8	5882.9	5862.8	5874.0	5885.2	5934.3	5878.5	5896.3
22.5°	6318.3	6385.3	6349.5	6392.0	6378.6	6369.6	6367.4	6454.5	6367.4	6374.1
25°	7001.5	7081.8	7019.3	7077.4	7077.4	7106.4	7139.9	7251.5	7106.4	7064.0
27.5°	8010.6	8091.0	7968.2	8003.9	7992.7	8064.2	8028.5	8305.3	8149.0	8079.8
30°	9225.1	9368.0	9135.8	9126.9	9115.7	9229.6	9281.0	9464.0	9305.5	9236.3
32.5°	10537.9	10687.5	10410.7	10330.3	10287.9	10357.1	10314.6	10462.0	10352.6	10245.4
35°	11926.6	12073.9	11810.5	11654.2	11484.5	11339.4	11187.6	11225.6	11122.9	10959.9
37.5°	13239.4	13509.5	13230.4	13063.0	12750.4	12466.9	12042.7	11866.3	11770.3	11620.7
40°	14576.7	14730.7	14518.6	14375.8	14036.4	13592.1	12913.4	12540.6	12411.1	12265.9
42.5°	15561.3	15708.6	15594.8	15496.5	15230.9	14715.1	13837.7	13371.1	13183.5	13020.6
45°	16342.7	16452.1	16380.6	16416.4	16302.5	15802.4	14795.5	14261.9	14067.7	13869.0
47.5°	16657.5	16773.6	16887.4	17099.5	17293.8	16925.4	15824.7	15226.4	15021.0	14817.8
50°	16621.8	16740.1	17070.5	17521.5	18124.3	18001.5	16909.8	16253.4	16063.6	15831.4
52.5°	16336.0	16469.9	16894.1	17644.3	18604.3	18807.5	18014.9	17313.9	17135.3	16858.4
55°	15585.8	15666.2	16302.5	17365.2	18718.2	19370.1	19097.7	18443.6	18265.0	17878.7
57.5°	14194.9	14311.0	15237.5	16612.8	18432.4	19751.9	20048.8	19631.3	19459.4	18903.5
60°	12379.8	12565.1	13625.6	15349.2	17704.6	19749.6	20912.8	20799.0	20656.1	19912.6
62.5°	10325.8	10540.1	11560.4	13563.1	16432.0	19189.3	21453.1	21776.9	21703.2	20843.6
65°	7930.2	8077.6	9093.4	11252.3	14451.7	17985.9	21515.6	22444.4	22457.8	21551.4
67.5°	5280.1	5704.3	6586.2	8443.7	11799.3	16019.0	20966.4	22553.8	22683.3	21794.7
70°	2576.4	3134.6	3998.6	5487.8	8443.7	13002.7	19530.9	21656.3	21944.3	21084.7
72.5°	1069.4	1250.3	1721.3	2708.2	4847.0	8774.1	16646.3	19222.8	19756.3	18682.5
75°	721.1	781.4	984.6	1388.7	2208.0	4326.8	12004.7	14333.3	15192.9	14110.1
77.5°	555.9	593.9	716.7	971.2	1312.8	1636.5	6425.4	8638.0	9082.2	8408.0
80°	437.6	466.6	535.8	707.7	931.0	875.2	2190.2	3913.8	4170.5	3498.5
82.5°	379.5	390.7	384.0	480.0	618.4	511.3	718.9	1444.5	1594.1	1156.5
85°	274.6	305.9	319.3	296.9	328.2	259.0	294.7	511.3	562.6	502.3
87.5°	111.6	165.2	203.2	192.0	120.6	73.7	91.5	149.6	171.9	187.5
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°
4713.0	0°	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0
4715.3	2.5°	4717.5	4733.1	4744.3	4757.7	4766.6	4780.0	4806.8	4822.4	4824.7	4835.8
4751.0	5°	4759.9	4782.2	4806.8	4842.5	4882.7	4916.2	4967.6	5003.3	5016.7	5027.8
4838.1	7.5°	4851.5	4882.7	4927.4	4989.9	5047.9	5092.6	5155.1	5197.5	5239.9	5255.6
4976.5	10°	4987.6	5032.3	5097.0	5181.9	5244.4	5302.4	5367.2	5402.9	5445.3	5463.2
5141.7	12.5°	5157.3	5204.2	5289.0	5407.4	5465.4	5505.6	5527.9	5519.0	5527.9	5543.6
5340.4	15°	5351.6	5402.9	5498.9	5626.2	5666.4	5630.6	5581.5	5536.9	5530.2	5534.6
5581.5	17.5°	5581.5	5619.5	5731.1	5838.3	5809.2	5661.9	5554.7	5483.3	5447.6	5436.4
5889.6	20°	5903.0	5903.0	5994.6	6061.5	5867.3	5617.2	5449.8	5333.7	5260.0	5228.8
6309.3	22.5°	6293.7	6258.0	6316.0	6269.2	5856.1	5492.2	5260.0	5059.1	4947.5	4902.8
6896.5	25°	6789.4	6746.9	6731.3	6441.1	5775.8	5293.5	4916.2	4672.8	4574.6	4550.1
7742.7	27.5°	7537.3	7430.1	7227.0	6534.8	5628.4	4980.9	4514.3	4288.8	4233.0	4235.3
8830.0	30°	8533.0	8318.7	7820.8	6550.5	5387.3	4538.9	4103.5	3942.8	3916.0	3927.2
9743.1	32.5°	9455.1	9251.9	8428.1	6479.0	5016.7	4105.8	3735.2	3628.0	3587.8	3601.2
10439.7	35°	10178.5	10122.6	8990.7	6378.6	4561.2	3699.4	3404.7	3313.2	3235.0	3217.2
11096.1	37.5°	10861.6	10839.3	9412.7	6237.9	4110.2	3411.4	3139.0	3018.5	2904.6	2842.1
11821.7	40°	11611.8	11589.5	9689.5	6021.3	3710.6	3161.4	2900.2	2741.6	2601.0	2487.1
12643.3	42.5°	12455.7	12324.0	9821.2	5711.0	3371.2	2949.3	2705.9	2491.6	2306.3	2201.4
13572.0	45°	13377.8	13080.8	9819.0	5315.8	3085.5	2755.0	2498.3	2194.7	2022.7	1924.5
14525.3	47.5°	14355.7	13804.2	9698.4	4878.2	2808.6	2540.7	2176.8	1944.6	1830.7	1770.5
15561.3	50°	15364.8	14480.7	9493.0	4375.9	2525.1	2297.4	1975.9	1817.3	1730.3	1674.5
16588.3	52.5°	16313.7	15094.7	9245.2	3806.6	2237.1	2060.7	1886.6	1763.8	1672.2	1609.7
17584.0	55°	17195.5	15623.8	8894.7	3223.9	2002.6	1902.2	1844.1	1741.4	1636.5	1562.8
18595.4	57.5°	17979.2	15967.6	8289.7	2676.9	1835.2	1792.8	1799.5	1703.5	1582.9	1520.4
19591.1	60°	18631.1	16219.9	7394.4	2170.1	1699.0	1685.6	1730.3	1632.0	1491.4	1419.9
20432.8	62.5°	19021.8	16215.4	6296.0	1777.2	1582.9	1587.4	1638.7	1542.7	1399.8	1332.9
20872.7	65°	18988.3	15818.0	5090.3	1520.4	1471.3	1475.8	1542.7	1444.5	1323.9	1283.7
20651.6	67.5°	18316.3	14849.1	3904.8	1353.0	1348.5	1368.6	1446.7	1377.5	1277.1	1272.6
19334.4	70°	16496.7	12837.5	2813.1	1219.0	1221.2	1250.3	1353.0	1335.1	1252.5	1261.4
16255.6	72.5°	13228.2	9787.8	1888.8	1078.3	1080.6	1127.5	1263.7	1301.6	1227.9	1346.3
11533.7	75°	8809.9	6103.9	1214.5	928.8	931.0	991.3	1185.5	1236.9	1161.0	1341.8
6001.3	77.5°	4233.0	2743.9	879.6	781.4	781.4	837.2	1024.8	1107.4	989.0	1042.6
1929.0	80°	1462.4	1031.5	692.1	629.6	616.2	654.2	864.0	960.0	852.9	785.9
629.6	82.5°	576.0	535.8	555.9	488.9	444.3	468.8	672.0	792.6	627.4	567.1
355.0	85°	330.4	348.3	392.9	323.7	256.7	288.0	493.4	569.3	473.3	417.5
116.1	87.5°	89.3	122.8	180.8	167.4	116.1	122.8	234.4	314.8	272.4	209.9
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>
4713.0
4833.6
5025.6
5257.8
5472.1
5548.0
5550.3
5452.0
5222.1
4896.1
4554.5
4242.0
3965.1
3619.1
3230.6
2844.3
2498.3
2208.0
1920.0
1757.1
1654.4
1582.9
1533.8
1480.2
1388.7
1312.8
1281.5
1279.3
1259.2
1364.1
1353.0
955.6
736.8
564.8
426.4
216.6
0.0

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