

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: P848868

Luminaire Tested: **GLAN-SB5C-850-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848868
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB5C-850-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32505 lumens
Efficiency: N/A
Efficacy: 130.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

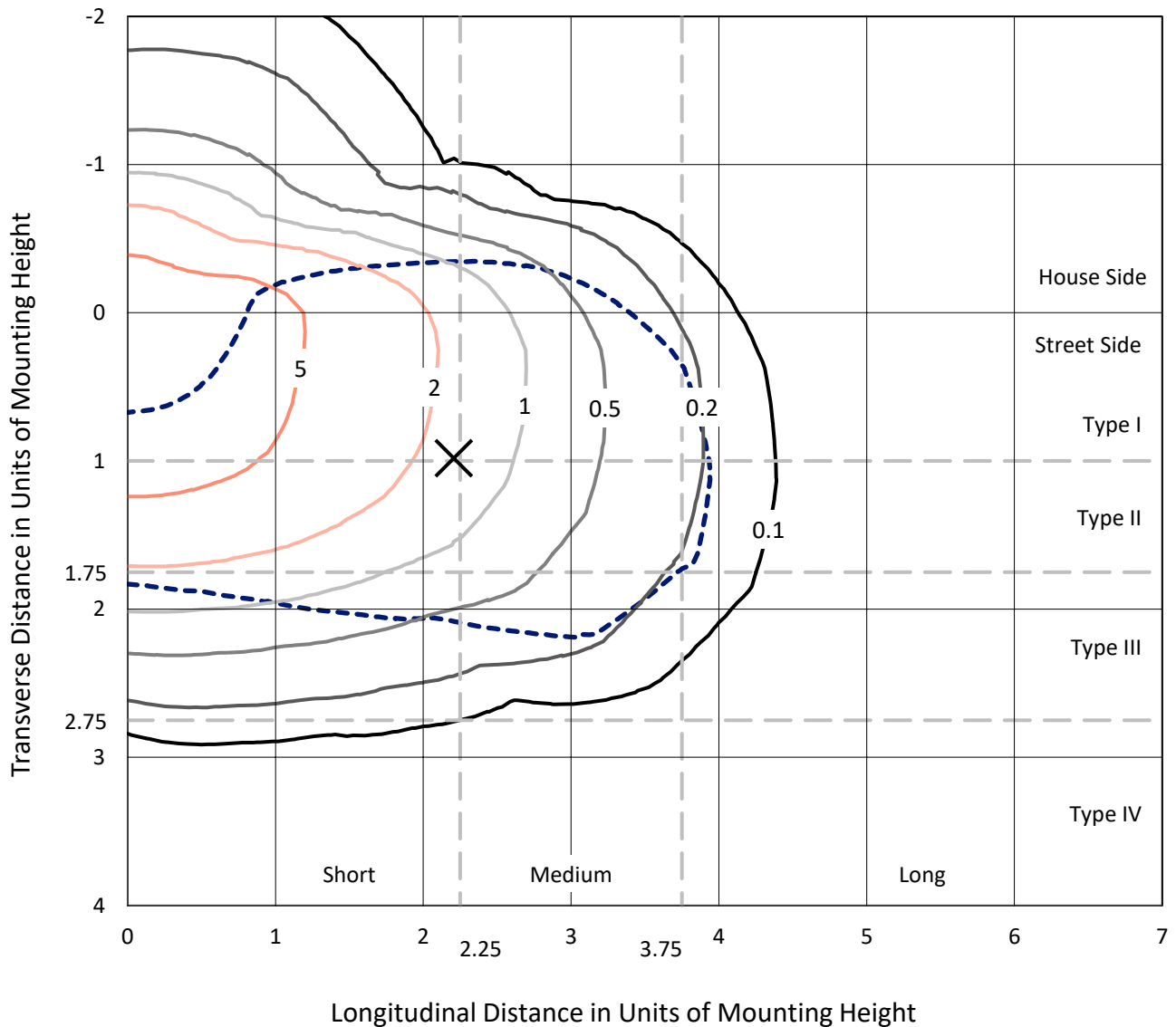
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

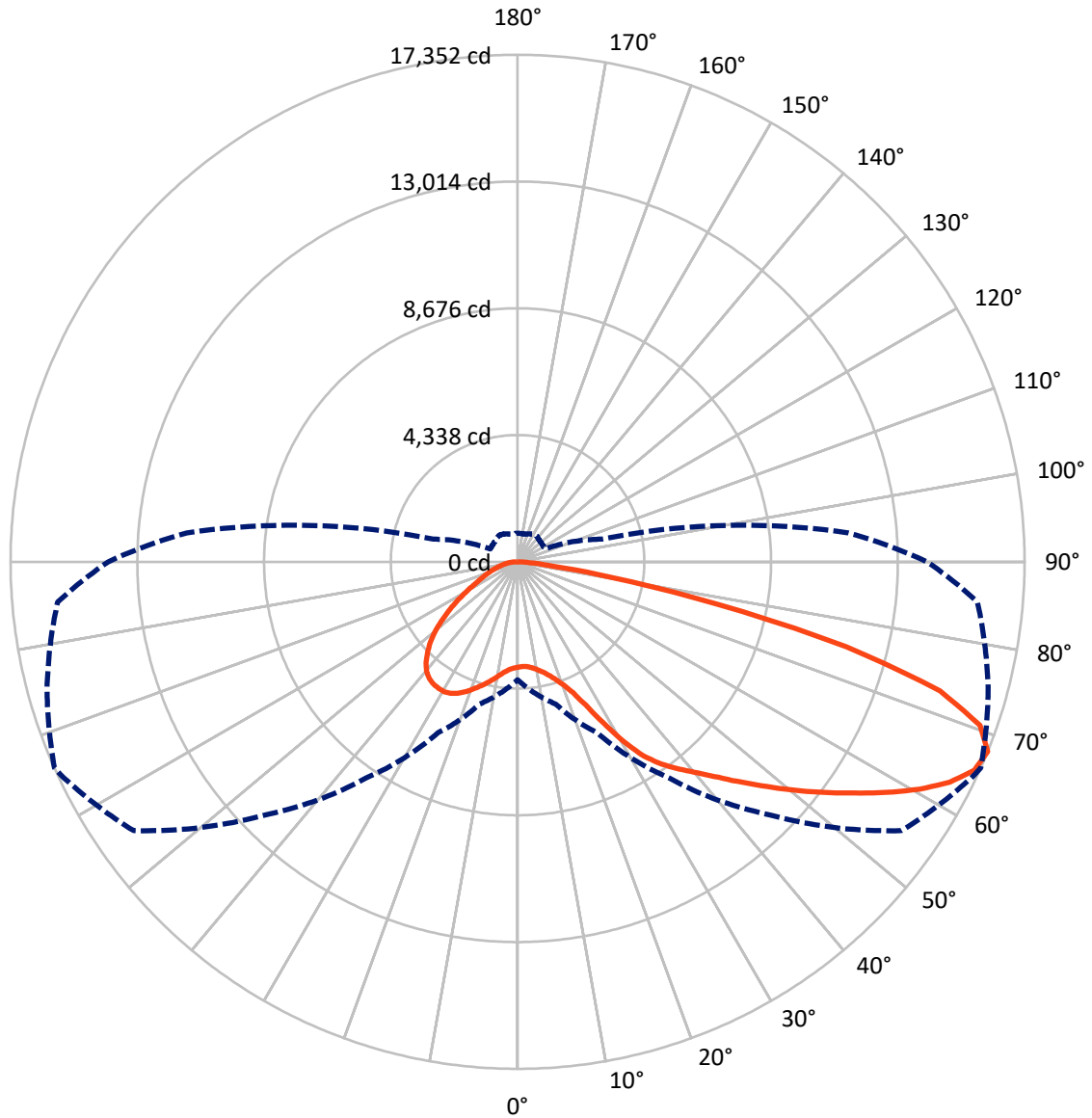
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.2 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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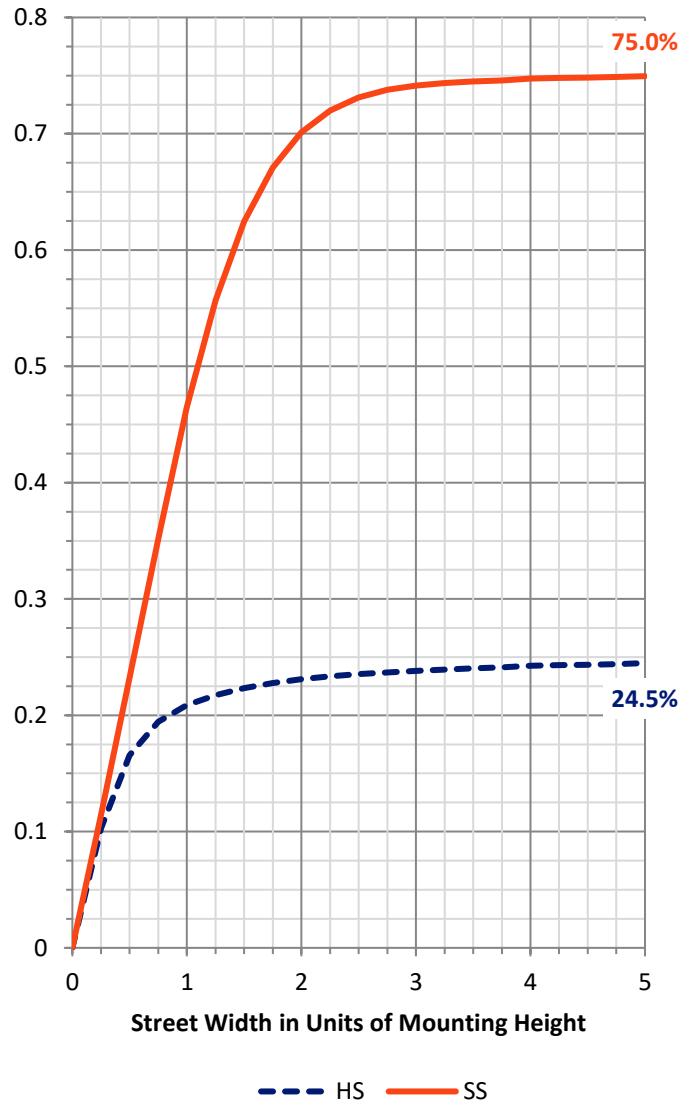
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8082.3	0.0	8082.3
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	24422.7	0.0	24422.7
	% Fixture	75.1	0.0	75.1
Total	Lumens	32505.0	0.0	32505.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	357.4	1.1
10°-20°	1180.9	3.6
20°-30°	2276.2	7.0
30°-40°	3991.0	12.3
40°-50°	5933.4	18.3
50°-60°	7521.1	23.1
60°-70°	7359.2	22.6
70°-80°	3510.4	10.8
80°-90°	375.2	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°	32505.0	100.0
0°-180°	32505.0	100.0

Coefficient of Utilization



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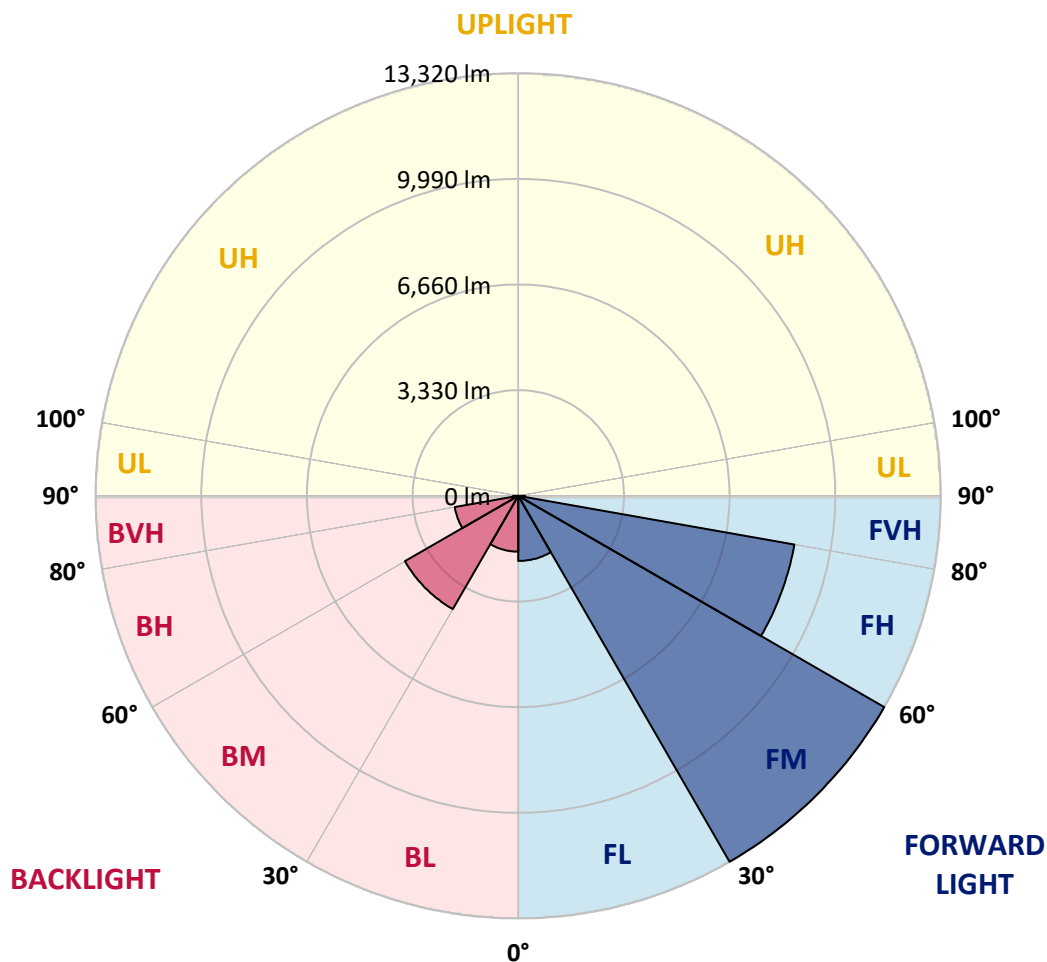
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2054.0	6.3			
FM (30°-60°)	13320.3	41.0			
FH (60°-80°)	8835.7	27.2			G4/12000
FVH (80°-90°)	212.7	0.7			G2/225
BL (0°-30°)	1760.6	5.4	B3/2500		
BM (30°-60°)	4125.3	12.7	B3/5000		
BH (60°-80°)	2033.9	6.3	B3/2500		G3/2500
BVH (80°-90°)	162.5	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	3605.2	3605.2	3605.2	3605.2	3605.2	3605.2	3605.2	3605.2	3605.2	3605.2
2.5°	3567.7	3588.2	3583.0	3574.5	3572.8	3576.2	3581.3	3586.4	3584.7	3593.3
5°	3557.4	3577.9	3576.2	3576.2	3583.0	3596.7	3605.2	3613.8	3605.2	3615.5
7.5°	3564.2	3579.6	3586.4	3593.3	3610.4	3636.0	3656.5	3675.3	3665.0	3677.0
10°	3651.3	3663.3	3670.1	3670.1	3682.1	3711.1	3731.6	3765.8	3757.2	3776.0
12.5°	3810.2	3822.1	3822.1	3815.3	3823.8	3842.6	3849.5	3887.0	3871.7	3902.4
15°	4004.9	4028.8	4010.0	3998.0	4001.5	4020.2	4018.5	4047.6	4032.2	4057.8
17.5°	4220.1	4250.8	4220.1	4218.3	4211.5	4232.0	4233.7	4259.3	4232.0	4250.8
20°	4474.5	4517.2	4491.6	4500.1	4484.8	4493.3	4501.8	4539.4	4496.7	4510.4
22.5°	4833.2	4884.4	4857.1	4889.5	4879.3	4872.4	4870.7	4937.3	4870.7	4875.9
25°	5355.8	5417.2	5369.4	5413.8	5413.8	5436.0	5461.6	5547.0	5436.0	5403.6
27.5°	6127.7	6189.2	6095.3	6122.6	6114.0	6168.7	6141.4	6353.1	6233.6	6180.6
30°	7056.8	7166.1	6988.4	6981.6	6973.1	7060.2	7099.5	7239.5	7118.2	7065.3
32.5°	8061.0	8175.4	7963.6	7902.1	7869.7	7922.6	7890.2	8002.9	7919.2	7837.2
35°	9123.2	9236.0	9034.4	8914.9	8785.1	8674.1	8557.9	8587.0	8508.4	8383.7
37.5°	10127.4	10334.1	10120.6	9992.5	9753.4	9536.5	9212.0	9077.1	9003.7	8889.3
40°	11150.4	11268.3	11106.0	10996.7	10737.1	10397.3	9878.1	9592.9	9493.8	9382.8
42.5°	11903.6	12016.3	11929.2	11854.1	11650.8	11256.3	10585.1	10228.2	10084.7	9960.1
45°	12501.3	12585.0	12530.4	12557.7	12470.6	12088.0	11317.8	10909.6	10761.1	10609.1
47.5°	12742.1	12830.9	12918.0	13080.3	13228.9	12947.1	12105.1	11647.4	11490.3	11334.9
50°	12714.8	12805.3	13058.1	13403.1	13864.2	13770.3	12935.1	12433.0	12287.9	12110.2
52.5°	12496.2	12598.7	12923.2	13497.0	14231.4	14386.8	13780.5	13244.2	13107.6	12895.8
55°	11922.4	11983.9	12470.6	13283.5	14318.5	14817.2	14608.8	14108.4	13971.8	13676.3
57.5°	10858.4	10947.2	11656.0	12708.0	14099.9	15109.2	15336.3	15017.0	14885.5	14460.2
60°	9469.9	9611.7	10422.9	11741.3	13543.1	15107.5	15997.3	15910.2	15800.9	15232.2
62.5°	7898.7	8062.7	8843.2	10375.1	12569.6	14678.8	16410.6	16658.2	16601.8	15944.3
65°	6066.2	6178.9	6956.0	8607.5	11054.8	13758.3	16458.4	17168.8	17179.1	16485.7
67.5°	4039.0	4363.5	5038.1	6459.0	9025.9	12253.7	16038.3	17252.5	17351.6	16671.9
70°	1970.8	2397.8	3058.7	4197.9	6459.0	9946.4	14940.1	16566.0	16786.3	16128.8
72.5°	818.1	956.4	1316.7	2071.6	3707.7	6711.8	12733.6	14704.4	15112.6	14291.1
75°	551.6	597.7	753.2	1062.3	1689.0	3309.8	9183.0	10964.3	11621.8	10793.5
77.5°	425.3	454.3	548.2	742.9	1004.2	1251.8	4915.1	6607.6	6947.5	6431.7
80°	334.7	356.9	409.9	541.4	712.2	669.5	1675.4	2993.8	3190.2	2676.2
82.5°	290.3	298.9	293.7	367.2	473.1	391.1	549.9	1105.0	1219.4	884.7
85°	210.1	234.0	244.2	227.1	251.1	198.1	225.4	391.1	430.4	384.3
87.5°	85.4	126.4	155.4	146.9	92.2	56.4	70.0	114.4	131.5	143.5
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°
3605.2	0°	3605.2	3605.2	3605.2	3605.2	3605.2	3605.2	3605.2	3605.2	3605.2	3605.2
3606.9	2.5°	3608.6	3620.6	3629.1	3639.4	3646.2	3656.5	3677.0	3688.9	3690.6	3699.2
3634.3	5°	3641.1	3658.2	3677.0	3704.3	3735.0	3760.6	3799.9	3827.3	3837.5	3846.0
3700.9	7.5°	3711.1	3735.0	3769.2	3817.0	3861.4	3895.6	3943.4	3975.8	4008.3	4020.2
3806.8	10°	3815.3	3849.5	3899.0	3963.9	4011.7	4056.1	4105.6	4133.0	4165.4	4179.1
3933.1	12.5°	3945.1	3981.0	4045.9	4136.4	4180.8	4211.5	4228.6	4221.8	4228.6	4240.5
4085.1	15°	4093.7	4133.0	4206.4	4303.7	4334.5	4307.2	4269.6	4235.4	4230.3	4233.7
4269.6	17.5°	4269.6	4298.6	4384.0	4466.0	4443.8	4331.1	4249.1	4194.4	4167.1	4158.6
4505.3	20°	4515.5	4515.5	4585.5	4636.8	4488.2	4296.9	4168.8	4080.0	4023.7	3999.7
4826.3	22.5°	4814.4	4787.1	4831.5	4795.6	4479.6	4201.3	4023.7	3869.9	3784.6	3750.4
5275.5	25°	5193.5	5161.1	5149.1	4927.1	4418.2	4049.3	3760.6	3574.5	3499.3	3480.6
5922.8	27.5°	5765.6	5683.7	5528.3	4998.8	4305.4	3810.2	3453.2	3280.7	3238.1	3239.8
6754.5	30°	6527.3	6363.4	5982.5	5010.8	4121.0	3472.0	3139.0	3016.0	2995.5	3004.1
7453.0	32.5°	7232.7	7077.3	6447.1	4956.1	3837.5	3140.7	2857.2	2775.2	2744.5	2754.7
7985.8	35°	7786.0	7743.3	6877.4	4879.3	3489.1	2829.9	2604.4	2534.4	2474.6	2461.0
8487.9	37.5°	8308.6	8291.5	7200.2	4771.7	3144.1	2609.6	2401.2	2309.0	2221.9	2174.1
9043.0	40°	8882.4	8865.4	7412.0	4606.0	2838.4	2418.3	2218.5	2097.2	1989.6	1902.5
9671.5	42.5°	9528.0	9427.2	7512.8	4368.6	2578.8	2256.0	2069.9	1905.9	1764.2	1683.9
10381.9	45°	10233.3	10006.2	7511.0	4066.3	2360.2	2107.5	1911.1	1678.8	1547.3	1472.2
11111.2	47.5°	10981.4	10559.5	7418.8	3731.6	2148.5	1943.5	1665.1	1487.5	1400.4	1354.3
11903.6	50°	11753.3	11077.0	7261.7	3347.4	1931.6	1757.4	1511.4	1390.2	1323.6	1280.9
12689.2	52.5°	12479.1	11546.7	7072.1	2911.9	1711.2	1576.3	1443.1	1349.2	1279.2	1231.3
13450.9	55°	13153.7	11951.4	6804.0	2466.1	1531.9	1455.1	1410.7	1332.1	1251.8	1195.5
14224.5	57.5°	13753.2	12214.4	6341.2	2047.7	1403.8	1371.4	1376.5	1303.1	1210.9	1163.0
14986.2	60°	14251.9	12407.4	5656.3	1660.0	1299.7	1289.4	1323.6	1248.4	1140.8	1086.2
15630.1	62.5°	14550.7	12404.0	4816.1	1359.4	1210.9	1214.3	1253.5	1180.1	1070.8	1019.6
15966.5	65°	14525.1	12100.0	3893.9	1163.0	1125.5	1128.9	1180.1	1105.0	1012.7	982.0
15797.4	67.5°	14011.1	11358.8	2987.0	1034.9	1031.5	1046.9	1106.7	1053.7	976.9	973.5
14789.8	70°	12619.2	9820.0	2151.9	932.5	934.2	956.4	1034.9	1021.3	958.1	964.9
12434.7	72.5°	10118.9	7487.1	1444.8	824.9	826.6	862.5	966.6	995.7	939.3	1029.8
8822.7	75°	6739.1	4669.2	929.1	710.5	712.2	758.3	906.9	946.1	888.1	1026.4
4590.7	77.5°	3238.1	2098.9	672.9	597.7	597.7	640.4	783.9	847.1	756.6	797.6
1475.6	80°	1118.6	789.0	529.4	481.6	471.4	500.4	660.9	734.4	652.4	601.2
481.6	82.5°	440.6	409.9	425.3	374.0	339.9	358.6	514.1	606.3	479.9	433.8
271.5	85°	252.8	266.4	300.6	247.6	196.4	220.3	377.4	435.5	362.1	319.4
88.8	87.5°	68.3	93.9	138.3	128.1	88.8	93.9	179.3	240.8	208.4	160.5
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

180°
3605.2
3697.5
3844.3
4021.9
4185.9
4244.0
4245.7
4170.5
3994.6
3745.3
3484.0
3244.9
3033.1
2768.4
2471.2
2175.8
1911.1
1689.0
1468.7
1344.1
1265.5
1210.9
1173.3
1132.3
1062.3
1004.2
980.3
978.6
963.2
1043.5
1034.9
731.0
563.6
432.1
326.2
165.7
0.0

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