

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: P848776

Luminaire Tested: **GLAN-SB5C-730-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848776
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB5C-730-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36209 lumens
Efficiency: N/A
Efficacy: 145.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G4

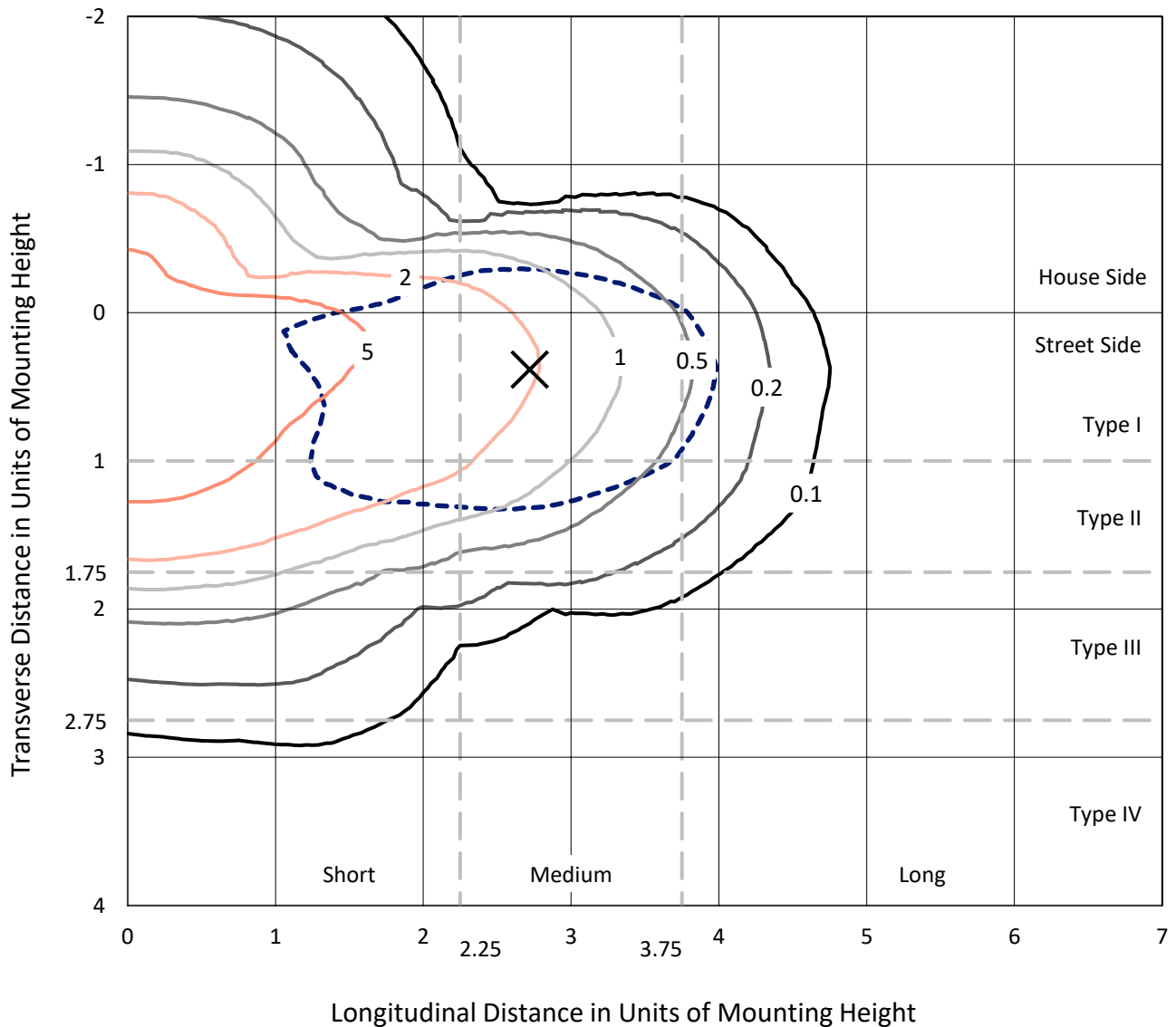
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

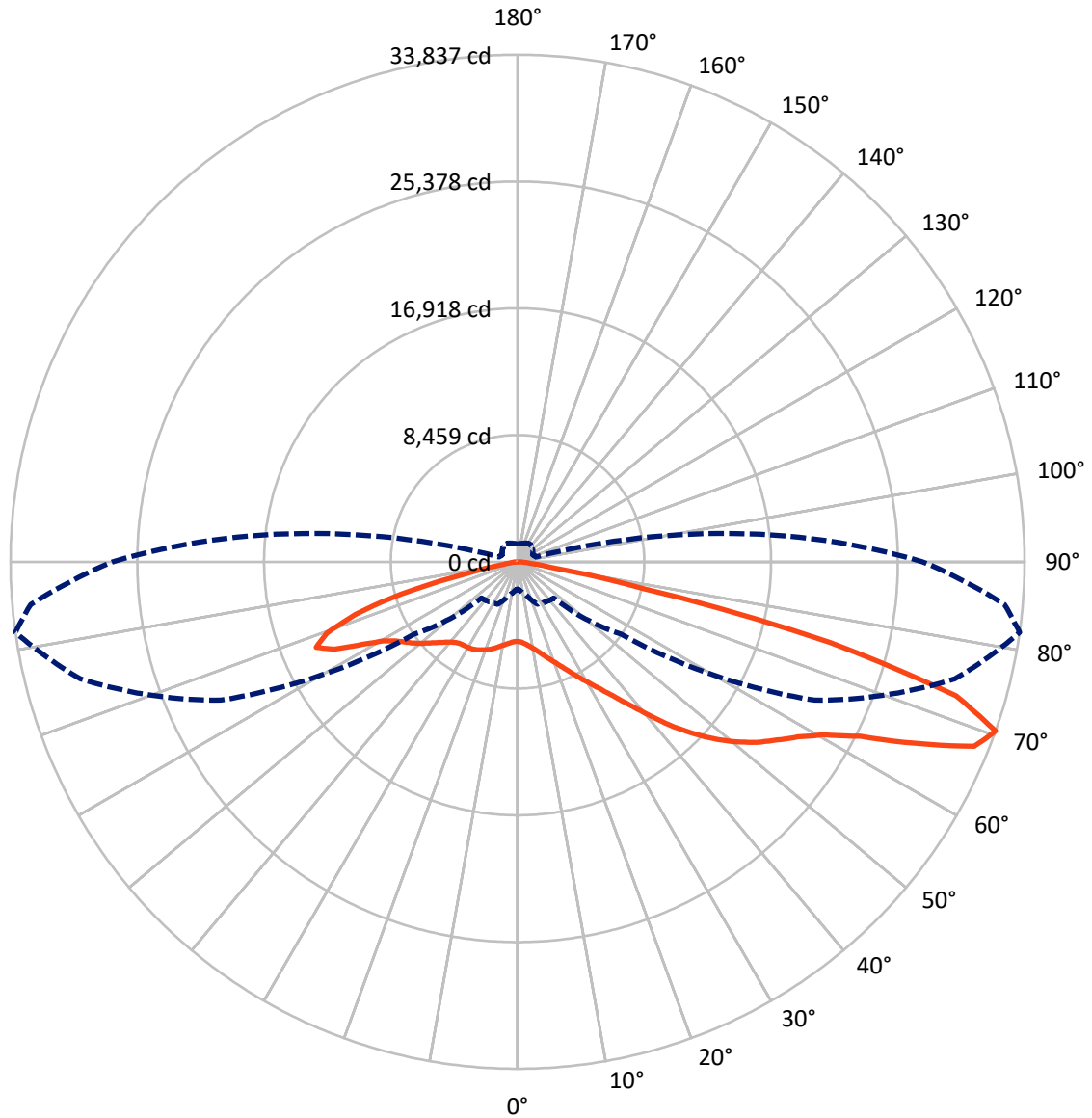
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.6 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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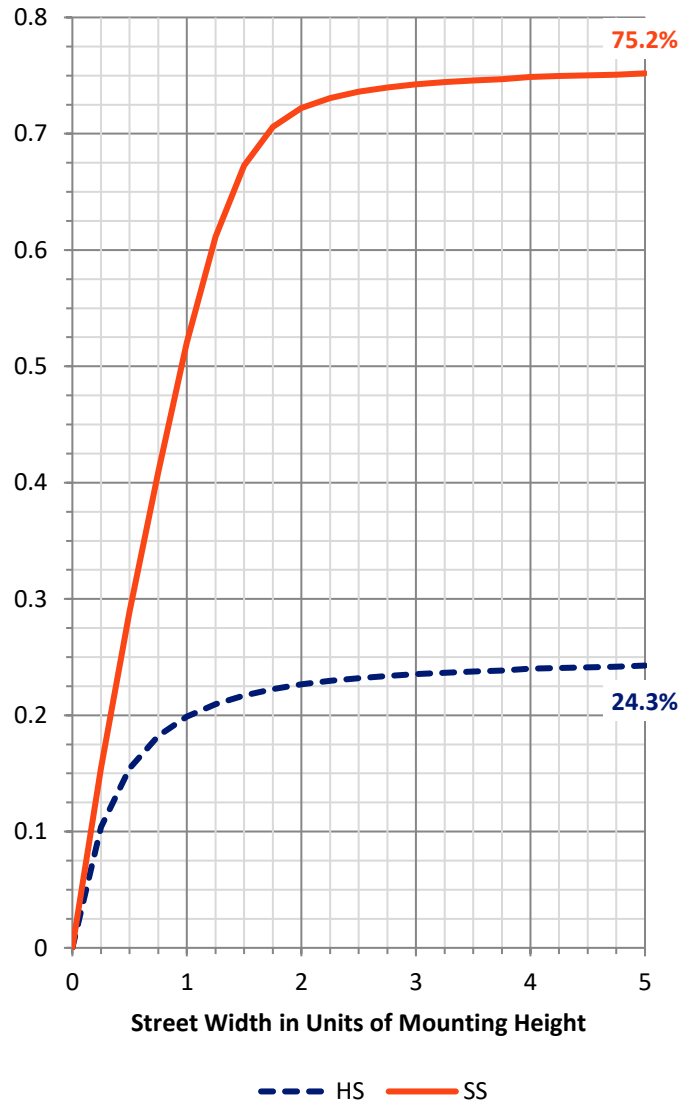
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8926.4	0.0	8926.4
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	27282.6	0.0	27282.6
	% Fixture	75.3	0.0	75.3
Total	Lumens	36209.0	0.0	36209.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	501.2	1.4
10°-20°	1440.1	4.0
20°-30°	2409.1	6.7
30°-40°	3763.6	10.4
40°-50°	5994.0	16.6
50°-60°	8341.4	23.0
60°-70°	8725.5	24.1
70°-80°	4560.4	12.6
80°-90°	473.5	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°	36209.0	100.0
0°-180°	36209.0	100.0

Coefficient of Utilization

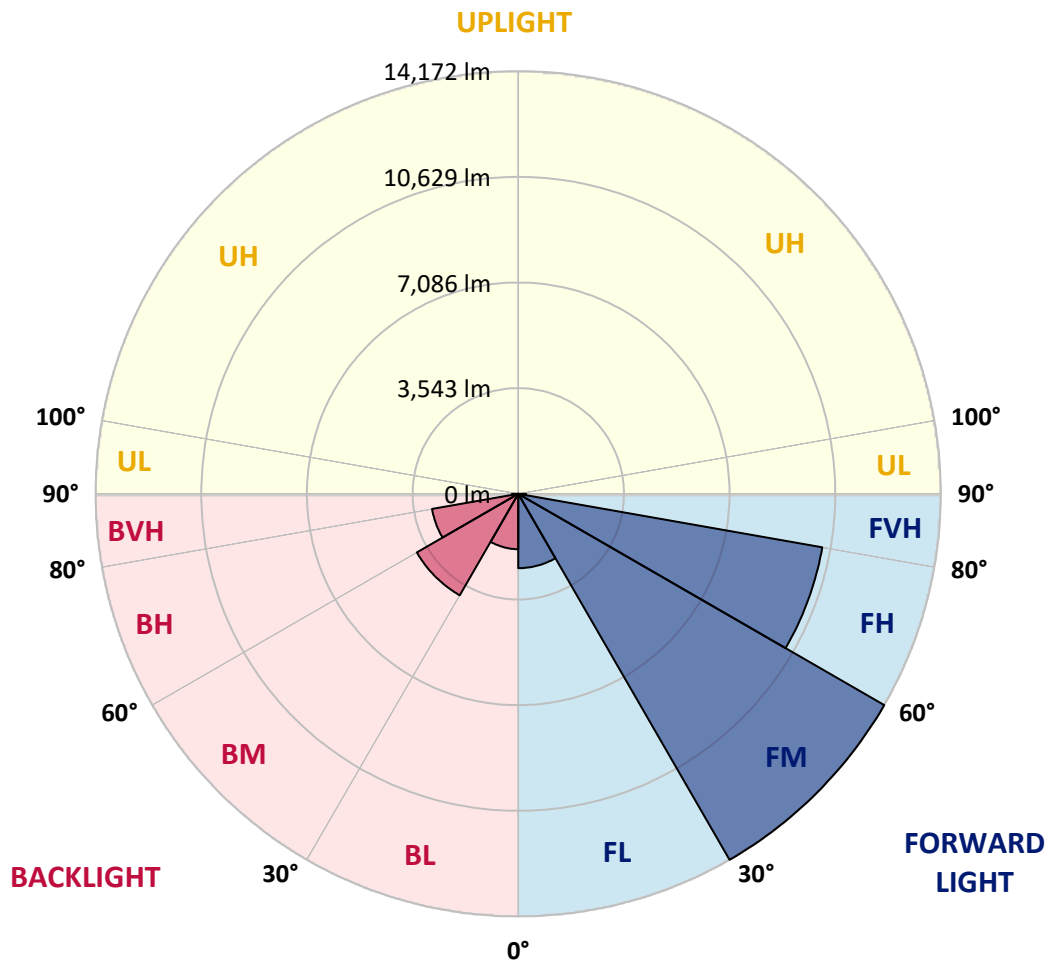


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2493.4	6.9			
FM (30°-60°)	14171.8	39.1			
FH (60°-80°)	10352.3	28.6			G4/12000
FVH (80°-90°)	265.1	0.7			G3/500
BL (0°-30°)	1857.0	5.1	B3/2500		
BM (30°-60°)	3927.3	10.8	B3/5000		
BH (60°-80°)	2933.7	8.1	B4/5000		G4/5000
BVH (80°-90°)	208.5	0.6			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 II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	5308.7	5308.7	5308.7	5308.7	5308.7	5308.7	5308.7	5308.7	5308.7	5308.7
2.5°	5435.5	5466.2	5456.6	5447.0	5447.0	5433.6	5431.7	5412.4	5397.1	5372.1
5°	5504.7	5537.3	5533.5	5541.2	5566.2	5571.9	5577.7	5566.2	5535.4	5504.7
7.5°	5443.2	5479.7	5491.2	5537.3	5614.2	5683.4	5735.2	5756.4	5727.5	5683.4
10°	5235.7	5276.0	5316.4	5425.9	5562.3	5725.6	5864.0	5946.6	5940.8	5898.5
12.5°	4814.9	4857.2	4943.6	5156.9	5406.7	5694.9	5952.3	6125.3	6184.8	6154.1
15°	4478.7	4515.2	4580.5	4799.5	5124.2	5562.3	5985.0	6321.2	6473.0	6455.7
17.5°	4469.1	4484.4	4524.8	4628.5	4878.3	5354.8	5950.4	6513.4	6803.5	6801.6
20°	4638.1	4643.9	4667.0	4688.1	4830.3	5197.3	5862.0	6672.9	7174.3	7174.3
22.5°	4872.5	4868.7	4891.8	4872.5	4941.7	5183.8	5806.3	6813.1	7587.4	7618.2
25°	5224.2	5204.9	5199.2	5155.0	5168.4	5308.7	5867.8	6972.6	8077.4	8140.8
27.5°	5693.0	5662.2	5641.1	5539.3	5504.7	5566.2	6056.1	7164.7	8623.0	8732.5
30°	6304.0	6248.2	6217.5	6040.7	5915.8	5925.4	6340.5	7420.3	9193.7	9370.4
32.5°	7137.8	7051.4	6968.7	6678.6	6450.0	6375.0	6707.4	7773.8	9812.3	10094.8
35°	8071.6	8002.4	7914.0	7466.4	7114.8	6941.8	7203.1	8267.6	10536.7	10984.4
37.5°	8970.8	8911.2	8953.5	8350.2	7896.8	7645.1	7852.6	8930.4	11430.1	12091.1
40°	9900.7	9854.6	9860.4	9284.0	8755.6	8473.2	8640.3	9762.4	12454.2	13407.2
42.5°	10911.4	10876.8	10761.5	10250.4	9656.7	9393.5	9547.2	10723.1	13553.2	14905.8
45°	12043.0	12021.9	11914.3	11328.3	10648.1	10352.2	10559.7	11783.6	14658.0	16316.1
47.5°	13021.0	13038.3	13024.8	12531.0	11825.9	11391.7	11639.5	12890.3	15685.9	17641.8
50°	13491.7	13582.0	13714.6	13560.9	13122.8	12680.9	12728.9	13958.6	16665.8	18885.0
52.5°	13245.8	13416.8	13778.0	14023.9	14193.0	14100.8	13972.1	15019.2	17588.0	20007.0
55°	12329.3	12569.5	13168.9	13762.6	14625.3	15295.9	15465.0	16195.1	18487.2	20994.6
57.5°	10659.7	11049.7	11587.7	12788.5	14241.1	15874.2	17205.7	17826.3	19440.2	22049.4
60°	7796.8	8319.4	8988.1	10774.9	12896.1	15564.9	18687.1	20331.7	20794.8	23415.5
62.5°	4989.7	5312.5	5927.4	7610.5	10048.7	13979.7	19140.5	23463.5	23090.8	25655.8
65°	3416.2	3623.7	4186.6	5131.9	6496.1	10406.0	17926.2	25811.4	26737.5	29206.5
67.5°	2482.4	2639.9	3120.3	3948.4	4232.7	6157.9	13910.6	25703.8	30282.4	32864.7
70°	1809.9	1921.4	2324.8	3120.3	3256.7	3425.8	8427.0	21849.6	30205.6	33836.9
72.5°	1341.1	1418.0	1688.9	2420.9	2636.1	2313.3	4171.3	15880.0	25955.5	30605.2
75°	970.3	1027.9	1227.7	1852.2	2109.6	1761.9	2080.8	9280.1	18104.9	21528.7
77.5°	741.6	785.8	916.5	1356.5	1688.9	1321.9	1291.1	4269.2	8584.6	8626.9
80°	595.6	624.4	695.5	954.9	1295.0	989.5	841.6	1723.5	2712.9	2296.0
82.5°	438.1	486.1	587.9	670.6	926.1	682.1	513.0	870.4	1031.8	887.7
85°	249.8	282.4	355.4	480.3	591.8	416.9	294.0	386.2	480.3	393.9
87.5°	88.4	115.3	124.9	188.3	257.5	172.9	113.4	111.4	157.6	117.2
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°
5308.7	0°	5308.7	5308.7	5308.7	5308.7	5308.7	5308.7	5308.7	5308.7	5308.7	5308.7
5366.3	2.5°	5347.1	5337.5	5299.1	5247.2	5193.4	5141.5	5124.2	5087.7	5062.8	5049.3
5491.2	5°	5454.7	5424.0	5333.7	5218.4	5097.3	4966.7	4874.5	4789.9	4728.4	4670.8
5662.2	7.5°	5608.4	5554.6	5399.0	5197.3	4982.1	4764.9	4603.6	4480.6	4398.0	4344.2
5862.0	10°	5787.1	5704.5	5466.2	5164.6	4832.2	4520.9	4330.7	4225.1	4173.2	4144.4
6090.7	12.5°	5992.7	5875.5	5535.4	5089.7	4603.6	4248.1	4117.5	4086.7	4088.6	4090.6
6378.9	15°	6246.3	6083.0	5591.1	4926.3	4305.7	4038.7	4015.6	4065.6	4117.5	4142.4
6705.5	17.5°	6532.6	6302.0	5600.7	4657.4	4013.7	3904.2	3977.2	4084.8	4163.6	4198.2
7070.6	20°	6840.0	6524.9	5531.6	4276.9	3773.5	3794.7	3925.3	4063.7	4150.1	4194.3
7487.5	22.5°	7191.6	6763.2	5366.3	3877.3	3577.6	3675.5	3829.3	3963.7	4054.1	4098.2
7977.4	25°	7593.2	7030.2	5107.0	3541.0	3408.5	3541.0	3694.8	3806.2	3879.2	3919.6
8525.0	27.5°	8038.9	7308.8	4761.1	3274.0	3260.5	3402.7	3529.5	3616.0	3654.4	3685.2
9107.2	30°	8486.6	7562.4	4342.3	3072.2	3131.8	3266.3	3356.6	3395.0	3406.6	3412.3
9756.6	32.5°	8970.8	7781.5	3902.3	2905.1	3008.8	3133.7	3187.5	3204.8	3151.0	3114.5
10544.4	35°	9556.8	8015.9	3471.9	2772.5	2887.8	2995.4	3012.7	2997.3	2933.9	2859.0
11531.9	37.5°	10281.1	8307.9	3128.0	2678.4	2774.4	2845.5	2824.4	2820.5	2826.3	2737.9
12719.3	40°	11168.8	8688.3	2876.3	2605.4	2682.2	2697.6	2638.0	2670.7	2699.5	2565.0
14022.0	42.5°	12154.5	9147.6	2716.8	2555.4	2605.4	2568.8	2476.6	2513.1	2509.3	2332.5
15330.5	45°	13159.3	9647.1	2661.1	2518.9	2534.3	2461.3	2359.4	2369.0	2288.3	2128.9
16585.1	47.5°	14158.4	10183.2	2695.7	2488.1	2445.9	2363.3	2284.5	2242.2	2123.1	2004.0
17787.9	50°	15138.3	10746.1	2822.5	2426.7	2324.8	2276.8	2219.2	2144.2	2017.4	1915.6
18925.3	52.5°	16047.1	11312.9	2964.6	2324.8	2173.0	2201.9	2165.4	2078.9	1954.0	1850.3
20001.3	55°	16907.9	11879.7	3020.4	2184.6	2030.9	2136.5	2115.4	1955.9	1806.1	1721.5
21127.2	57.5°	17845.5	12561.8	2958.9	2005.9	1915.6	2061.6	1980.9	1804.1	1717.7	1654.3
22593.2	60°	19144.3	13632.0	2826.3	1784.9	1806.1	1950.2	1811.8	1738.8	1644.7	1573.6
24791.2	62.5°	21302.0	15628.3	2613.0	1565.9	1677.3	1784.9	1731.1	1658.1	1562.1	1492.9
28549.4	65°	24491.5	18402.7	2211.5	1394.9	1533.2	1623.5	1644.7	1571.7	1471.8	1398.7
31842.5	67.5°	27181.3	20143.4	1673.5	1252.7	1385.3	1492.9	1552.5	1481.4	1375.7	1304.6
32613.0	70°	27033.4	18879.2	1277.7	1112.5	1254.6	1364.2	1441.0	1385.3	1271.9	1204.7
29623.4	72.5°	24011.1	15793.5	1033.7	970.3	1122.1	1229.7	1321.9	1279.6	1164.3	1099.0
21701.7	75°	17639.9	11211.1	826.2	826.2	956.8	1089.4	1191.2	1164.3	1058.7	1012.6
9111.0	77.5°	7435.6	4703.5	647.5	685.9	795.4	935.7	1062.5	1072.1	979.9	1037.5
2409.4	80°	1977.1	1296.9	493.8	539.9	624.4	772.4	924.2	920.3	820.4	766.6
895.3	82.5°	753.2	511.1	351.6	380.4	451.5	591.8	732.0	755.1	655.2	566.8
351.6	85°	290.1	219.0	217.1	228.6	263.2	392.0	553.3	572.6	493.8	418.9
98.0	87.5°	74.9	65.3	80.7	76.9	121.0	209.4	317.0	328.6	301.7	174.8
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>
5308.7
5064.7
4693.9
4355.7
4152.0
4094.4
4140.5
4205.8
4205.8
4109.8
3931.1
3696.7
3425.8
3126.0
2862.8
2743.7
2568.8
2330.6
2134.6
2004.0
1907.9
1852.2
1713.8
1648.5
1569.7
1492.9
1402.6
1306.5
<i>1210.5</i>
1099.0
999.1
941.5
712.8
566.8
432.3
249.8
0.0

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