

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: P849528

Luminaire Tested: **GLAN-SB6C-835-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849528
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-SB6C-835-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37627 lumens
Efficiency: N/A
Efficacy: 125.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

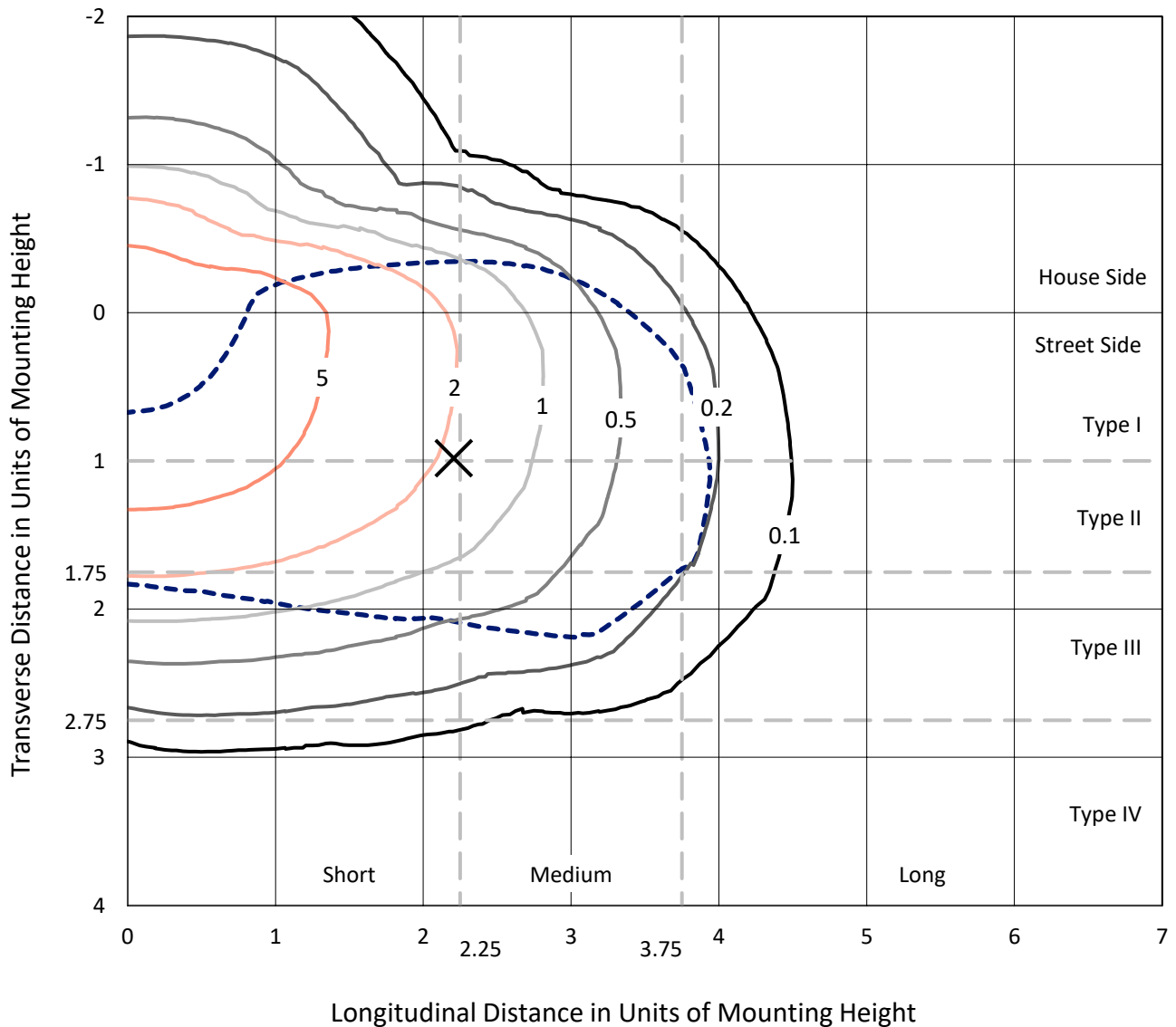
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

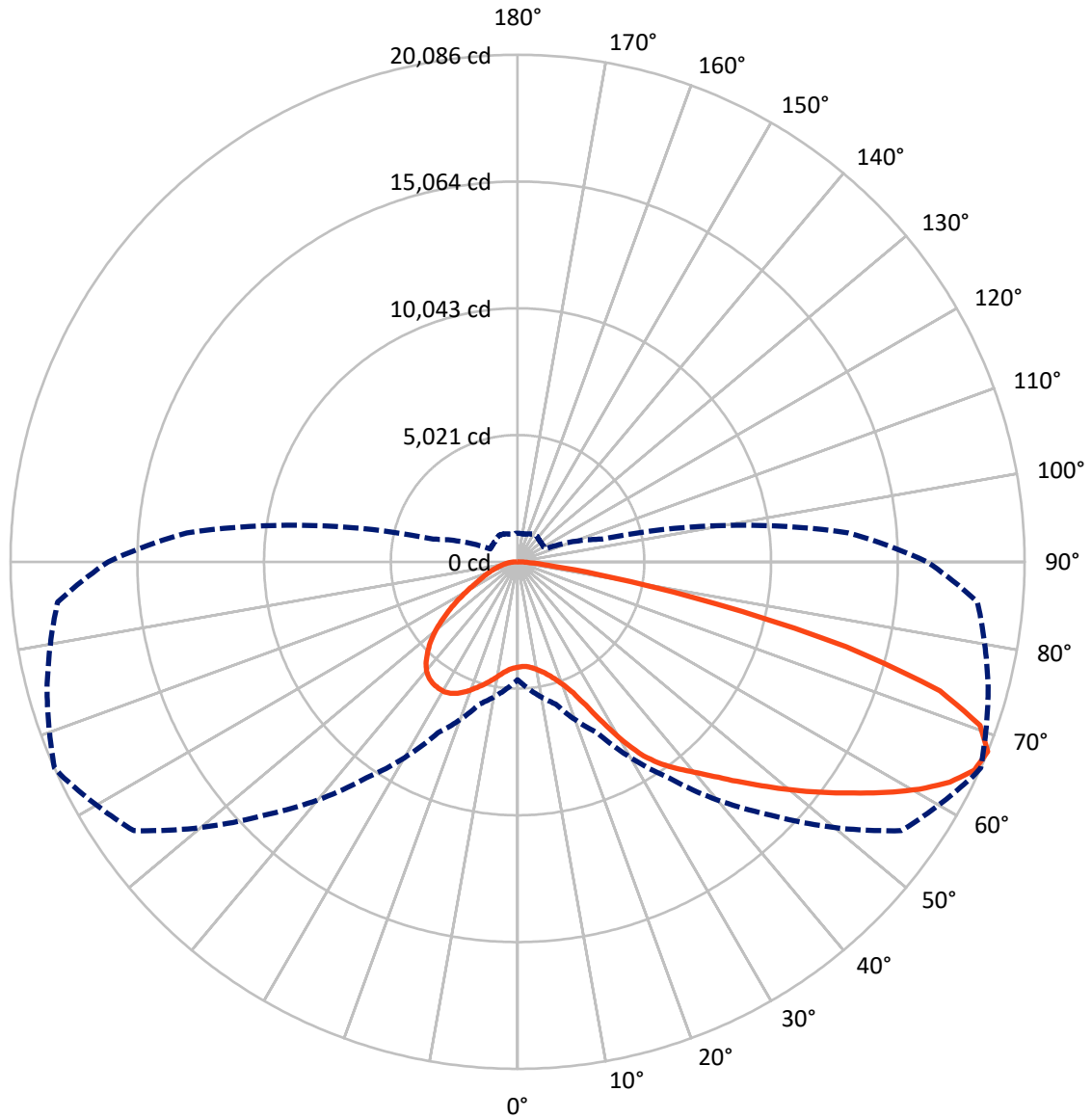
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.5 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	9355.9	0.0	9355.9
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	28271.2	0.0	28271.2
	% Fixture	75.1	0.0	75.1
Total	Lumens	37627.0	0.0	37627.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	413.8	1.1
10°-20°	1367.0	3.6
20°-30°	2634.9	7.0
30°-40°	4619.9	12.3
40°-50°	6868.3	18.3
50°-60°	8706.3	23.1
60°-70°	8518.9	22.6
70°-80°	4063.6	10.8
80°-90°	434.3	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°	37627.0	100.0
0°-180°	37627.0	100.0

Coefficient of Utilization

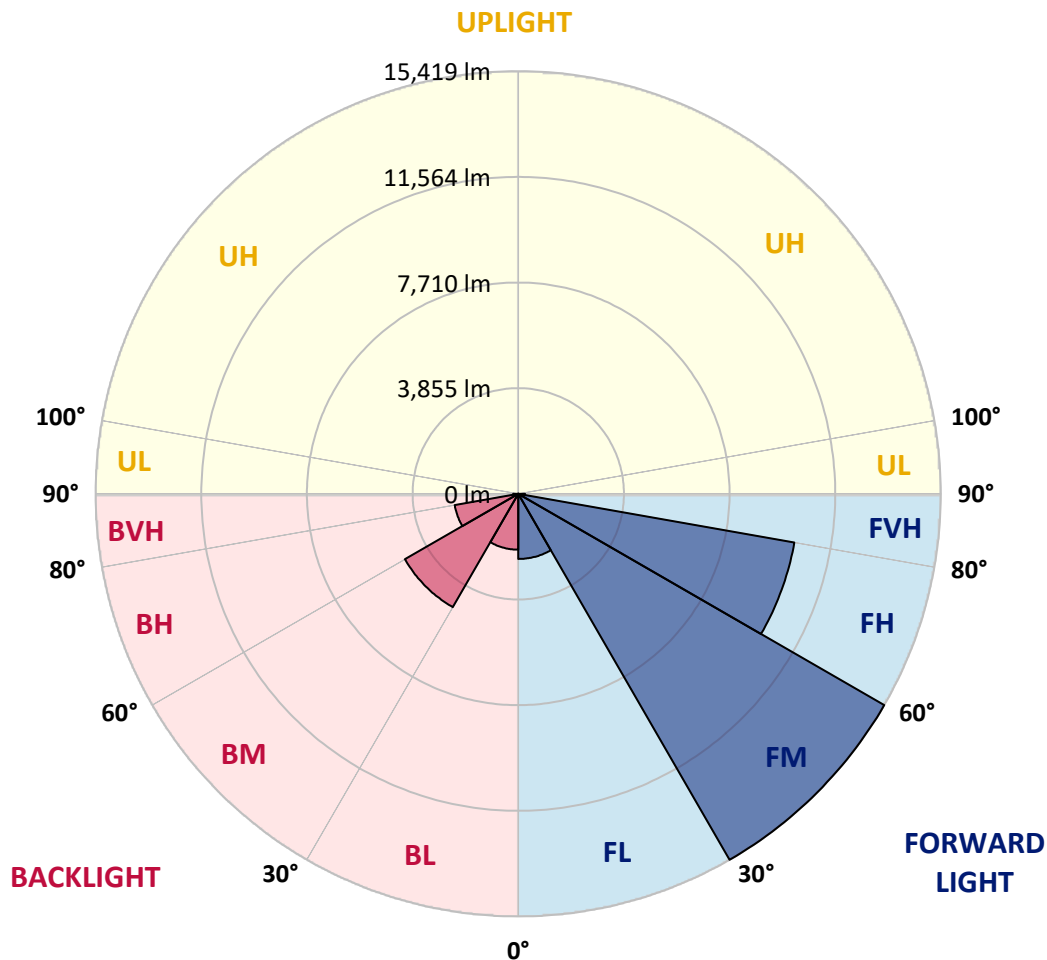


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2377.7	6.3			
FM (30°-60°)	15419.2	41.0			
FH (60°-80°)	10228.0	27.2			G4/12000
FVH (80°-90°)	246.2	0.7			G3/500
BL (0°-30°)	2038.0	5.4	B3/2500		
BM (30°-60°)	4775.3	12.7	B3/5000		
BH (60°-80°)	2354.4	6.3	B3/2500		G3/2500
BVH (80°-90°)	188.1	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°	4173.3	4173.3	4173.3	4173.3	4173.3	4173.3	4173.3	4173.3	4173.3	4173.3
2.5°	4129.8	4153.6	4147.6	4137.7	4135.8	4139.7	4145.7	4151.6	4149.6	4159.5
5°	4118.0	4141.7	4139.7	4139.7	4147.6	4163.4	4173.3	4183.2	4173.3	4185.2
7.5°	4125.9	4143.7	4151.6	4159.5	4179.3	4208.9	4232.6	4254.4	4242.5	4256.4
10°	4226.7	4240.5	4248.5	4248.5	4262.3	4295.9	4319.6	4359.2	4349.3	4371.0
12.5°	4410.6	4424.4	4424.4	4416.5	4426.4	4448.1	4456.0	4499.5	4481.7	4517.3
15°	4635.9	4663.6	4641.9	4628.0	4632.0	4653.7	4651.8	4685.4	4667.6	4697.2
17.5°	4885.0	4920.6	4885.0	4883.1	4875.1	4898.9	4900.8	4930.5	4898.9	4920.6
20°	5179.6	5229.0	5199.4	5209.3	5191.5	5201.3	5211.2	5254.7	5205.3	5221.1
22.5°	5594.8	5654.1	5622.4	5660.0	5648.1	5640.2	5638.2	5715.3	5638.2	5644.2
25°	6199.7	6270.9	6215.5	6266.9	6266.9	6292.6	6322.3	6421.1	6292.6	6255.1
27.5°	7093.3	7164.4	7055.7	7087.3	7077.5	7140.7	7109.1	7354.2	7215.9	7154.6
30°	8168.7	8295.3	8089.7	8081.8	8071.9	8172.7	8218.2	8380.3	8239.9	8178.6
32.5°	9331.2	9463.6	9218.5	9147.3	9109.8	9171.0	9133.5	9264.0	9167.1	9072.2
35°	10560.8	10691.3	10458.0	10319.7	10169.4	10040.9	9906.5	9940.1	9849.1	9704.8
37.5°	11723.3	11962.5	11715.4	11567.1	11290.3	11039.3	10663.6	10507.5	10422.5	10290.0
40°	12907.5	13043.9	12856.1	12729.6	12429.1	12035.6	11434.7	11104.5	10989.8	10861.3
42.5°	13779.3	13909.8	13809.0	13722.0	13486.7	13030.0	12253.1	11839.9	11673.9	11529.5
45°	14471.2	14568.1	14504.8	14536.5	14435.7	13992.8	13101.2	12628.7	12456.7	12280.8
47.5°	14750.0	14852.8	14953.6	15141.4	15313.4	14987.2	14012.6	13482.8	13300.9	13121.0
50°	14718.4	14823.1	15115.7	15515.1	16048.8	15940.1	14973.4	14392.2	14224.1	14018.5
52.5°	14465.3	14583.9	14959.5	15623.8	16473.9	16653.8	15952.0	15331.2	15173.1	14927.9
55°	13801.1	13872.2	14435.7	15376.7	16574.7	17152.0	16910.8	16331.5	16173.4	15831.4
57.5°	12569.4	12672.2	13492.7	14710.5	16321.7	17490.0	17753.0	17383.3	17231.1	16738.8
60°	10962.2	11126.2	12065.3	13591.5	15677.2	17488.1	18518.0	18417.2	18290.7	17632.4
62.5°	9143.4	9333.2	10236.6	12009.9	14550.3	16991.8	18996.5	19283.1	19217.9	18456.8
65°	7022.1	7152.6	8052.1	9963.8	12796.8	15926.3	19051.8	19874.2	19886.1	19083.5
67.5°	4675.5	5051.1	5832.0	7476.8	10448.2	14184.6	18565.5	19971.1	20085.8	19298.9
70°	2281.4	2775.6	3540.7	4859.3	7476.8	11513.7	17294.3	19176.4	19431.4	18670.3
72.5°	947.0	1107.1	1524.2	2398.0	4291.9	7769.4	14740.1	17021.5	17494.0	16543.1
75°	638.6	691.9	871.8	1229.7	1955.2	3831.3	10630.0	12692.0	13453.1	12494.3
77.5°	492.3	525.9	634.6	860.0	1162.4	1449.1	5689.6	7648.8	8042.2	7445.2
80°	387.5	413.2	474.5	626.7	824.4	775.0	1939.4	3465.6	3692.9	3097.9
82.5°	336.1	346.0	340.0	425.0	547.6	452.7	636.6	1279.1	1411.5	1024.1
85°	243.2	270.8	282.7	262.9	290.6	229.3	261.0	452.7	498.2	444.8
87.5°	98.8	146.3	179.9	170.0	106.8	65.2	81.1	132.5	152.2	166.1
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°
4173.3	0°	4173.3	4173.3	4173.3	4173.3	4173.3	4173.3	4173.3	4173.3	4173.3	4173.3
4175.3	2.5°	4177.3	4191.1	4201.0	4212.9	4220.8	4232.6	4256.4	4270.2	4272.2	4282.1
4206.9	5°	4214.8	4234.6	4256.4	4288.0	4323.6	4353.2	4398.7	4430.3	4442.2	4452.1
4284.0	7.5°	4295.9	4323.6	4363.1	4418.5	4469.9	4509.4	4564.8	4602.3	4639.9	4653.7
4406.6	10°	4416.5	4456.0	4513.4	4588.5	4643.8	4695.2	4752.6	4784.2	4821.8	4837.6
4552.9	12.5°	4566.7	4608.3	4683.4	4788.2	4839.6	4875.1	4894.9	4887.0	4894.9	4908.8
4728.9	15°	4738.7	4784.2	4869.2	4981.9	5017.5	4985.9	4942.4	4902.8	4896.9	4900.8
4942.4	17.5°	4942.4	4976.0	5074.8	5169.7	5144.0	5013.5	4918.6	4855.4	4823.7	4813.9
5215.2	20°	5227.0	5227.0	5308.1	5367.4	5195.4	4974.0	4825.7	4722.9	4657.7	4630.0
5586.8	22.5°	5573.0	5541.4	5592.8	5551.3	5185.5	4863.3	4657.7	4479.8	4380.9	4341.4
6106.8	25°	6011.9	5974.3	5960.5	5703.5	5114.4	4687.3	4353.2	4137.7	4050.8	4029.0
6856.0	27.5°	6674.2	6579.3	6399.4	5786.5	4983.9	4410.6	3997.4	3797.7	3748.3	3750.3
7818.8	30°	7555.9	7366.1	6925.2	5800.4	4770.4	4019.1	3633.6	3491.3	3467.6	3477.4
8627.4	32.5°	8372.4	8192.5	7463.0	5737.1	4442.2	3635.6	3307.4	3212.5	3177.0	3188.8
9244.2	35°	9012.9	8963.5	7961.2	5648.1	4038.9	3275.8	3014.8	2933.8	2864.6	2848.8
9825.4	37.5°	9617.8	9598.1	8334.8	5523.6	3639.6	3020.8	2779.6	2672.8	2572.0	2516.7
10467.9	40°	10282.1	10262.3	8579.9	5331.8	3285.7	2799.4	2568.1	2427.7	2303.1	2202.3
11195.4	42.5°	11029.4	10912.7	8696.6	5057.0	2985.2	2611.5	2396.1	2206.3	2042.2	1949.3
12017.9	45°	11845.9	11582.9	8694.6	4707.1	2732.1	2439.6	2212.2	1943.3	1791.1	1704.1
12862.0	47.5°	12711.8	12223.5	8587.9	4319.6	2487.0	2249.8	1927.5	1721.9	1621.1	1567.7
13779.3	50°	13605.3	12822.5	8406.0	3874.8	2235.9	2034.3	1749.6	1609.2	1532.1	1482.7
14688.7	52.5°	14445.5	13366.1	8186.5	3370.7	1980.9	1824.7	1670.5	1561.8	1480.7	1425.4
15570.4	55°	15226.4	13834.7	7876.2	2854.7	1773.3	1684.4	1633.0	1542.0	1449.1	1383.9
16466.0	57.5°	15920.3	14139.1	7340.4	2370.4	1625.0	1587.5	1593.4	1508.4	1401.7	1346.3
17347.7	60°	16497.6	14362.5	6547.6	1921.6	1504.5	1492.6	1532.1	1445.1	1320.6	1257.3
18093.0	62.5°	16843.6	14358.6	5575.0	1573.6	1401.7	1405.6	1451.1	1366.1	1239.5	1180.2
18482.5	65°	16813.9	14006.7	4507.4	1346.3	1302.8	1306.8	1366.1	1279.1	1172.3	1136.7
18286.7	67.5°	16218.9	13148.7	3457.7	1198.0	1194.1	1211.9	1281.1	1219.8	1130.8	1126.9
17120.3	70°	14607.6	11367.4	2491.0	1079.4	1081.4	1107.1	1198.0	1182.2	1109.1	1117.0
14394.1	72.5°	11713.4	8666.9	1672.5	954.9	956.8	998.4	1119.0	1152.6	1087.3	1192.1
10212.9	75°	7801.0	5405.0	1075.5	822.4	824.4	877.8	1049.8	1095.2	1028.0	1188.1
5314.0	77.5°	3748.3	2429.7	778.9	691.9	691.9	741.4	907.4	980.6	875.8	923.2
1708.1	80°	1294.9	913.3	612.9	557.5	545.6	579.2	765.1	850.1	755.2	695.9
557.5	82.5°	510.1	474.5	492.3	433.0	393.4	415.2	595.1	701.8	555.5	502.1
314.3	85°	292.6	308.4	347.9	286.7	227.3	255.0	436.9	504.1	419.1	369.7
102.8	87.5°	79.1	108.7	160.1	148.3	102.8	108.7	207.6	278.7	241.2	185.8
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

180°
4173.3
4280.1
4450.1
4655.7
4845.5
4912.7
4914.7
4827.7
4624.1
4335.4
4033.0
3756.2
3511.1
3204.6
2860.6
2518.6
2212.2
1955.2
1700.2
1555.9
1464.9
1401.7
1358.2
1310.7
1229.7
1162.4
1134.8
<i>1132.8</i>
1115.0
1207.9
1198.0
846.1
652.4
500.2
377.6
191.8
0.0

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