

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: P953015

Luminaire Tested: **GALN-SB6C-940-U-T2U**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P953015  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB6C-940-U-T2U  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

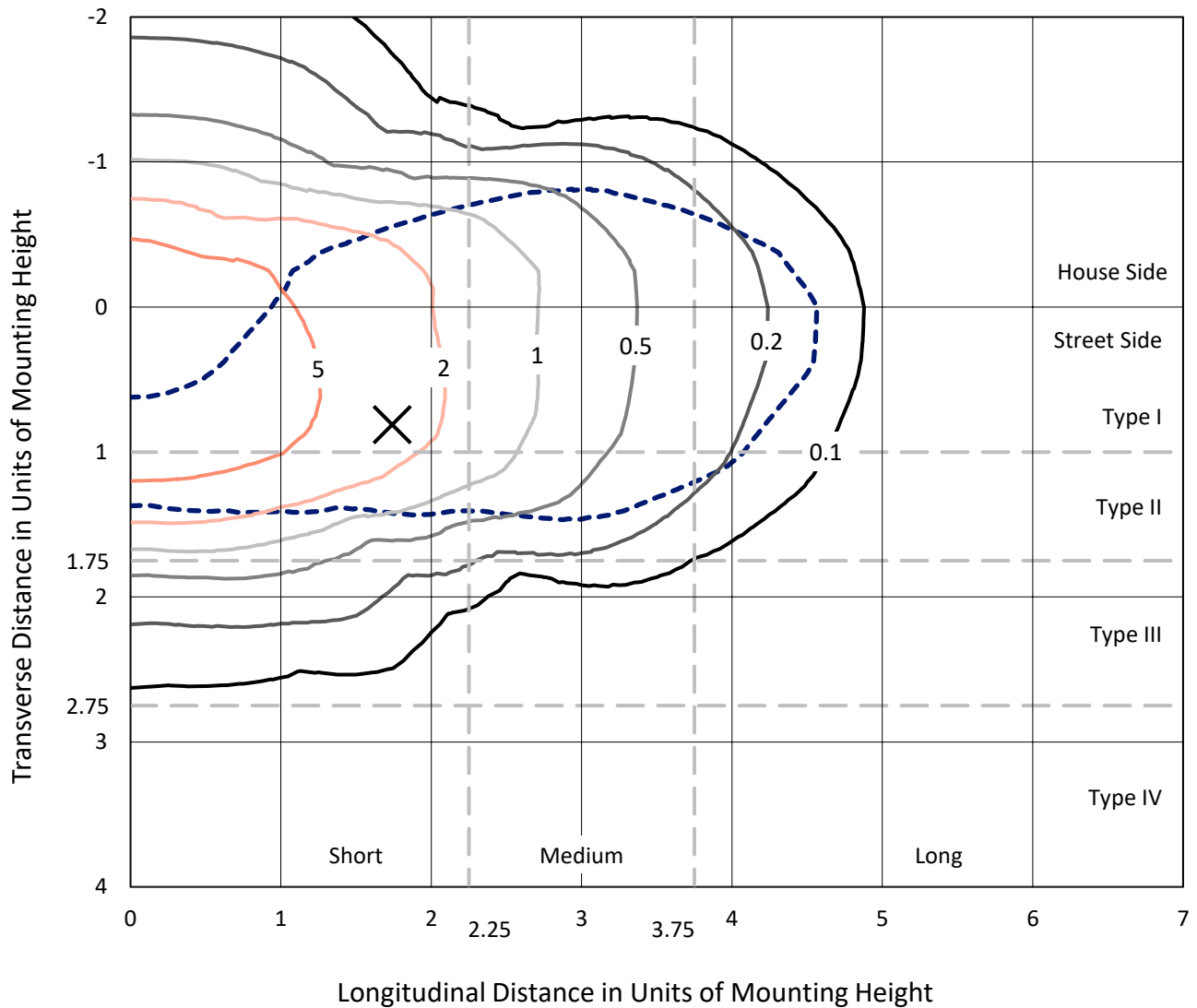
Lumens per Lamp: N/A  
Luminaire Lumens: 33350 lumens  
Efficiency: N/A  
Efficacy: 110.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B4 - U0 - G4  
  
Input Watts (W): 300.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

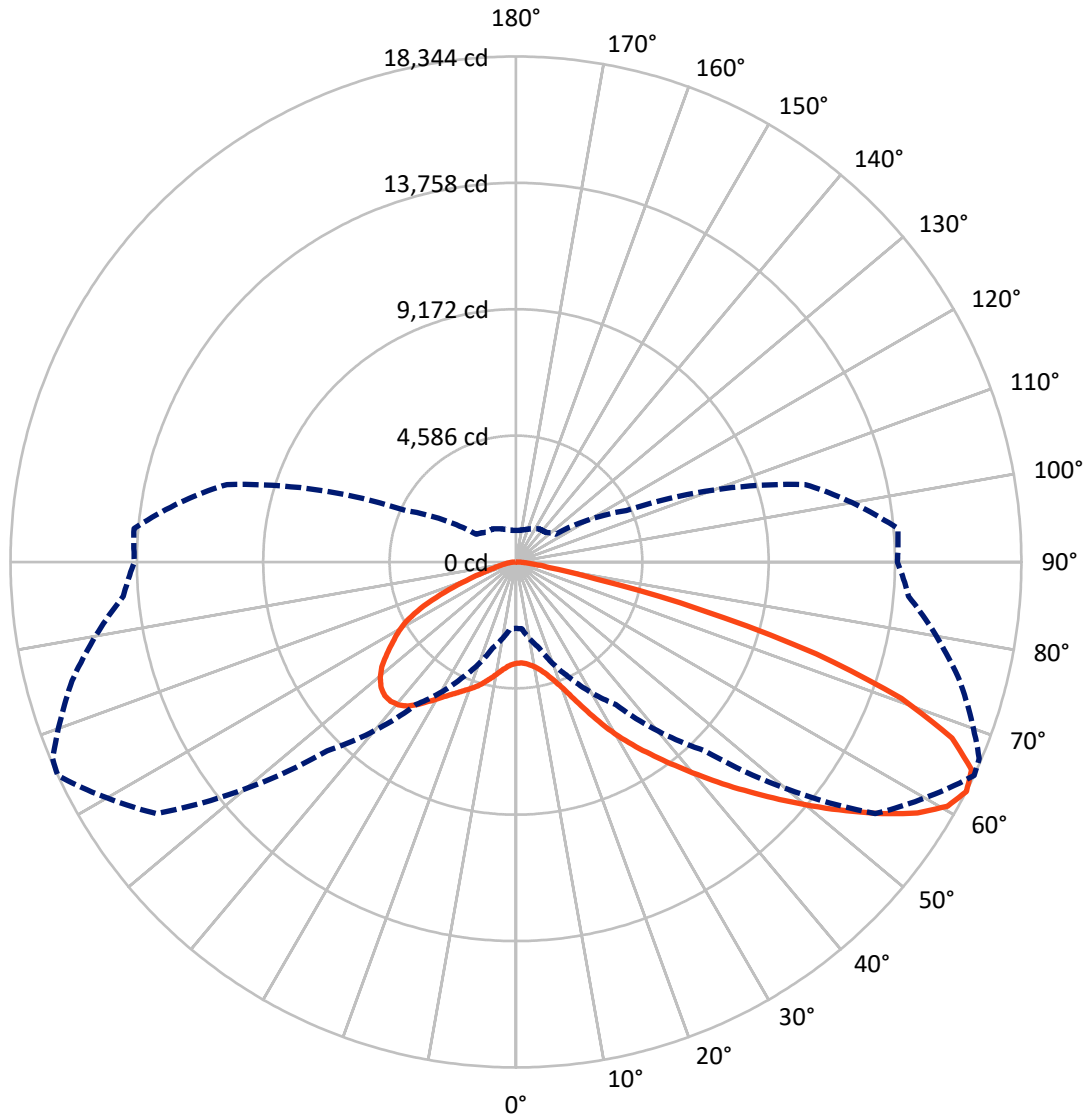
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.3 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10523.8	0.0	10523.8
	% Fixture	31.6	0.0	31.6
<b>Street Side</b>	Lumens	22826.2	0.0	22826.2
	% Fixture	68.4	0.0	68.4
<b>Total</b>	Lumens	33350.0	0.0	33350.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	366.4	1.1
10°-20°	1242.5	3.7
20°-30°	2519.3	7.6
30°-40°	4359.5	13.1
40°-50°	6597.3	19.8
50°-60°	7735.0	23.2
60°-70°	6484.8	19.4
70°-80°	3580.2	10.7
80°-90°	465.0	1.4
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°	33350.0	100.0
0°-180°	33350.0	100.0



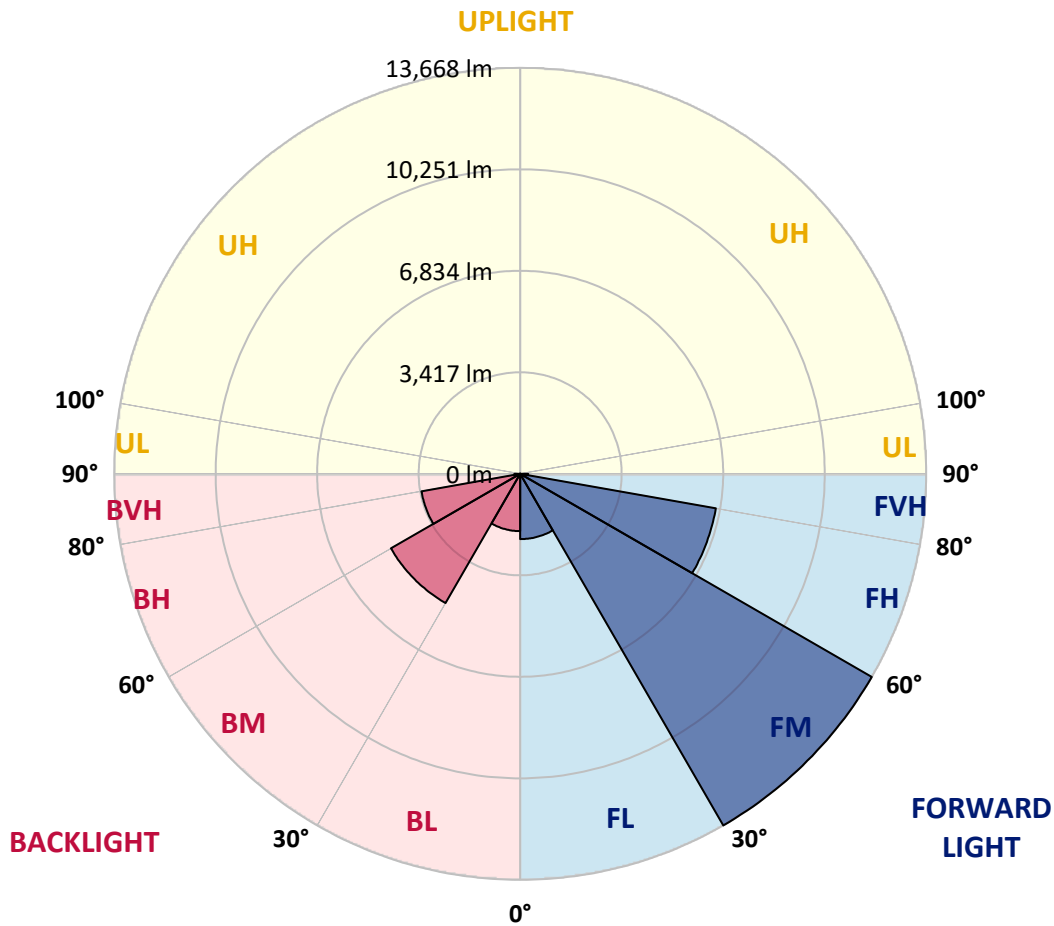
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2198.2	6.6			
FM (30°-60°)	13667.9	41.0			
FH (60°-80°)	6689.0	20.1			G3/7500
FVH (80°-90°)	271.0	0.8			G3/500
BL (0°-30°)	1929.9	5.8	B3/2500		
BM (30°-60°)	5023.9	15.1	B4/8500		
BH (60°-80°)	3376.0	10.1	B4/5000		G4/5000
BVH (80°-90°)	194.0	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 Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°
0°	3675.0	3675.0	3675.0	3675.0	3675.0	3675.0	3675.0	3675.0	3675.0	3675.0
2.5°	3650.8	3640.4	3649.1	3649.1	3652.5	3650.8	3662.9	3666.4	3671.6	3681.9
5°	3614.5	3612.7	3628.3	3642.2	3656.0	3668.1	3683.7	3706.2	3709.6	3721.7
7.5°	3602.4	3592.0	3616.2	3633.5	3666.4	3695.8	3737.3	3775.4	3791.0	3796.1
10°	3695.8	3678.5	3701.0	3711.4	3739.0	3768.5	3816.9	3877.5	3894.8	3915.5
12.5°	3855.0	3835.9	3868.8	3884.4	3910.3	3936.3	3969.2	4028.0	4036.6	4074.7
15°	4073.0	4050.5	4071.2	4090.3	4133.5	4157.8	4190.6	4247.7	4247.7	4277.1
17.5°	4368.9	4339.4	4355.0	4361.9	4389.6	4425.9	4481.3	4531.5	4557.4	4547.1
20°	4810.1	4773.7	4773.7	4739.1	4728.7	4758.2	4830.8	4900.0	4927.7	4874.1
22.5°	5472.7	5420.8	5391.4	5273.8	5227.0	5230.5	5303.2	5388.0	5410.5	5315.3
25°	6315.4	6234.0	6194.3	6021.2	5915.7	5824.0	5881.1	5990.1	6021.2	5903.6
27.5°	7158.0	7163.2	7125.1	6917.5	6742.7	6574.9	6545.5	6659.7	6692.6	6559.3
30°	8339.7	8216.9	8144.2	7895.1	7645.9	7410.6	7289.5	7336.2	7344.9	7185.7
32.5°	9358.9	9327.7	9172.0	8954.0	8633.9	8265.3	8062.9	7988.5	7974.7	7748.0
35°	10519.8	10502.5	10338.2	10078.6	9732.6	9220.4	8855.4	8642.5	8625.2	8306.9
37.5°	11699.9	11699.9	11539.0	11255.2	10897.0	10256.9	9701.4	9364.0	9308.7	8893.4
40°	12641.1	12584.0	12613.4	12494.0	12084.0	11404.0	10641.0	10151.3	10076.9	9578.6
42.5°	13175.8	13156.7	13333.2	13466.4	13298.6	12755.3	11675.6	11004.3	10900.5	10333.0
45°	13295.1	13274.4	13589.3	14077.2	14312.5	14089.3	12800.3	11902.3	11776.0	11122.0
47.5°	13020.0	12978.5	13440.5	14210.4	14964.8	15357.6	14018.4	12876.4	12693.0	11890.2
50°	12193.0	12153.2	12852.2	13874.8	15184.6	16219.3	15340.3	13909.4	13629.1	12713.8
52.5°	10395.3	10414.3	11509.5	12914.5	14895.6	16755.6	16478.8	14997.7	14660.3	13556.4
55°	8097.5	8139.0	9485.2	11032.0	13739.8	16674.3	17255.7	16118.9	15783.2	14348.9
57.5°	5798.0	5981.4	7242.8	8774.0	11519.9	15385.3	17425.2	17184.7	16859.4	15214.0
60°	3758.1	3791.0	5088.6	6632.0	8772.3	13094.4	17080.9	17992.7	17738.4	16096.4
62.5°	2408.5	2431.0	3221.7	4638.8	6313.6	9687.6	15921.6	18344.0	18266.1	16679.5
65°	1770.0	1752.7	2164.5	3066.0	4252.9	5974.5	13670.6	18174.4	18328.4	17044.6
67.5°	1477.6	1453.4	1655.8	2123.0	3133.5	3393.0	10115.0	17072.3	17636.3	17003.0
70°	1346.1	1325.4	1448.2	1576.2	2444.8	2271.8	5099.0	14842.0	15710.6	16530.7
72.5°	1140.2	1103.9	1271.7	1399.8	1901.5	1742.3	2107.4	11400.5	12459.4	15016.7
75°	884.2	859.9	1003.5	1231.9	1429.2	1360.0	1332.3	6922.7	8078.5	11613.4
77.5°	700.7	667.9	799.4	960.3	1285.6	1026.0	970.7	2981.2	4126.6	7414.1
80°	527.7	498.3	607.3	759.6	988.0	773.4	628.1	1216.4	1555.5	3756.3
82.5°	375.5	349.5	423.9	557.1	664.4	693.8	385.8	681.7	766.5	1448.2
85°	240.5	224.9	283.8	349.5	422.2	446.4	235.3	356.4	391.0	596.9
87.5°	131.5	107.3	152.3	162.6	195.5	178.2	112.5	129.8	140.1	216.3
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°
3675.0	0°	3675.0	3675.0	3675.0	3675.0	3675.0	3675.0	3675.0	3675.0	3675.0	3675.0
3681.9	2.5°	3688.9	3694.1	3711.4	3716.6	3728.7	3744.2	3754.6	3765.0	3765.0	3775.4
3737.3	5°	3739.0	3751.2	3787.5	3806.5	3837.7	3868.8	3887.8	3910.3	3924.2	3931.1
3825.6	7.5°	3835.9	3855.0	3906.9	3939.8	3993.4	4036.6	4066.1	4097.2	4104.1	4123.2
3948.4	10°	3967.4	3989.9	4048.8	4111.0	4175.1	4228.7	4256.4	4278.9	4287.5	4291.0
4105.9	12.5°	4118.0	4150.8	4227.0	4303.1	4370.6	4417.3	4424.2	4419.0	4394.8	4374.0
4299.6	15°	4303.1	4332.5	4417.3	4500.3	4566.1	4574.7	4531.5	4503.8	4474.4	4469.2
4515.9	17.5°	4524.6	4540.1	4618.0	4699.3	4704.5	4675.1	4611.1	4585.1	4557.4	4538.4
4797.9	20°	4782.4	4777.2	4832.6	4867.2	4830.8	4740.9	4644.0	4600.7	4573.0	4550.5
5144.0	22.5°	5090.4	5050.6	5043.6	5035.0	4938.1	4749.5	4618.0	4562.6	4519.4	4488.2
5626.7	25°	5538.5	5386.2	5280.7	5221.9	5003.8	4702.8	4535.0	4412.1	4330.8	4277.1
6216.7	27.5°	6099.1	5843.0	5576.6	5432.9	5003.8	4607.6	4334.2	4135.3	4002.0	3946.7
6787.7	30°	6633.7	6365.5	5972.8	5687.3	4991.7	4451.9	4010.7	3733.9	3578.1	3522.8
7275.7	32.5°	7090.5	6798.1	6393.2	5965.9	4962.3	4199.3	3609.3	3303.0	3152.5	3086.7
7758.4	35°	7514.4	7203.0	6815.4	6272.1	4884.5	3829.0	3168.1	2934.5	2766.7	2661.1
8249.8	37.5°	7948.7	7578.4	7215.1	6549.0	4744.3	3396.5	2828.9	2630.0	2432.7	2290.8
8772.3	40°	8421.1	7978.1	7642.5	6713.3	4514.2	2984.7	2565.9	2384.3	2174.9	2024.4
9374.4	42.5°	8973.0	8457.4	8118.3	6798.1	4199.3	2692.3	2394.6	2216.4	2019.2	1896.3
10019.8	45°	9549.2	8985.1	8552.6	6796.4	3848.0	2555.6	2339.3	2162.8	1944.8	1816.7
10682.5	47.5°	10153.0	9537.1	8928.0	6685.6	3543.5	2574.6	2308.1	2046.9	1806.4	1681.8
11352.1	50°	10758.6	10140.9	9291.4	6478.0	3413.8	2533.1	2192.2	1884.2	1600.5	1488.0
11980.2	52.5°	11359.0	10782.8	9604.6	6182.1	3282.3	2379.1	2043.4	1673.1	1515.7	1437.8
12629.0	55°	11962.9	11417.8	9945.4	5751.3	2953.5	2199.1	1794.3	1593.5	1448.2	1377.3
13264.0	57.5°	12568.4	12151.5	10269.0	5320.5	2540.0	1977.7	1657.6	1496.7	1380.7	1320.2
13795.2	60°	13198.3	12990.6	10602.9	4924.3	2131.7	1693.9	1557.2	1418.8	1301.1	1233.7
14305.6	62.5°	13847.1	13914.6	10864.2	4413.8	1756.2	1520.9	1467.2	1325.4	1211.2	1147.1
14727.8	65°	14501.1	14805.6	11035.5	3706.2	1424.0	1356.5	1370.3	1223.3	1107.4	1052.0
15037.5	67.5°	14994.2	15447.6	10987.0	2804.7	1167.9	1200.8	1249.2	1116.0	1007.0	963.7
14987.3	70°	15049.6	15371.4	10509.5	1920.6	977.6	1048.5	1114.3	1010.5	898.0	866.8
14281.4	72.5°	14312.5	14333.3	9178.9	1254.4	827.1	920.5	972.4	903.2	794.2	763.0
12494.0	75°	12379.9	11853.9	6739.3	827.1	692.1	790.7	839.2	790.7	685.2	692.1
9348.5	77.5°	9379.6	8395.1	4092.0	588.3	577.9	664.4	730.2	695.6	605.6	680.0
4701.1	80°	4832.6	4541.9	1825.4	439.5	456.8	531.2	600.4	555.4	479.3	456.8
1050.3	82.5°	1107.4	1287.3	719.8	314.9	330.5	382.4	458.5	417.0	344.3	290.7
437.8	85°	387.6	423.9	318.4	197.2	193.8	238.8	311.4	278.6	233.6	186.9
185.1	87.5°	122.8	160.9	119.4	79.6	83.1	107.3	143.6	131.5	109.0	70.9
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>
3675.0
3775.4
3934.6
4116.2
4282.3
4374.0
4469.2
4540.1
4552.3
4498.6
4297.9
3974.4
3555.6
3119.6
2695.7
2328.9
2053.8
1920.6
1837.5
1699.1
1494.9
1437.8
1370.3
1309.8
1228.5
1145.4
1050.3
965.5
868.6
761.3
667.9
598.7
417.0
287.2
197.2
74.4
0.0

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