

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: P950086

Luminaire Tested: **GALN-SB4C-927-U-SL2**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P950086  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB4C-927-U-SL2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

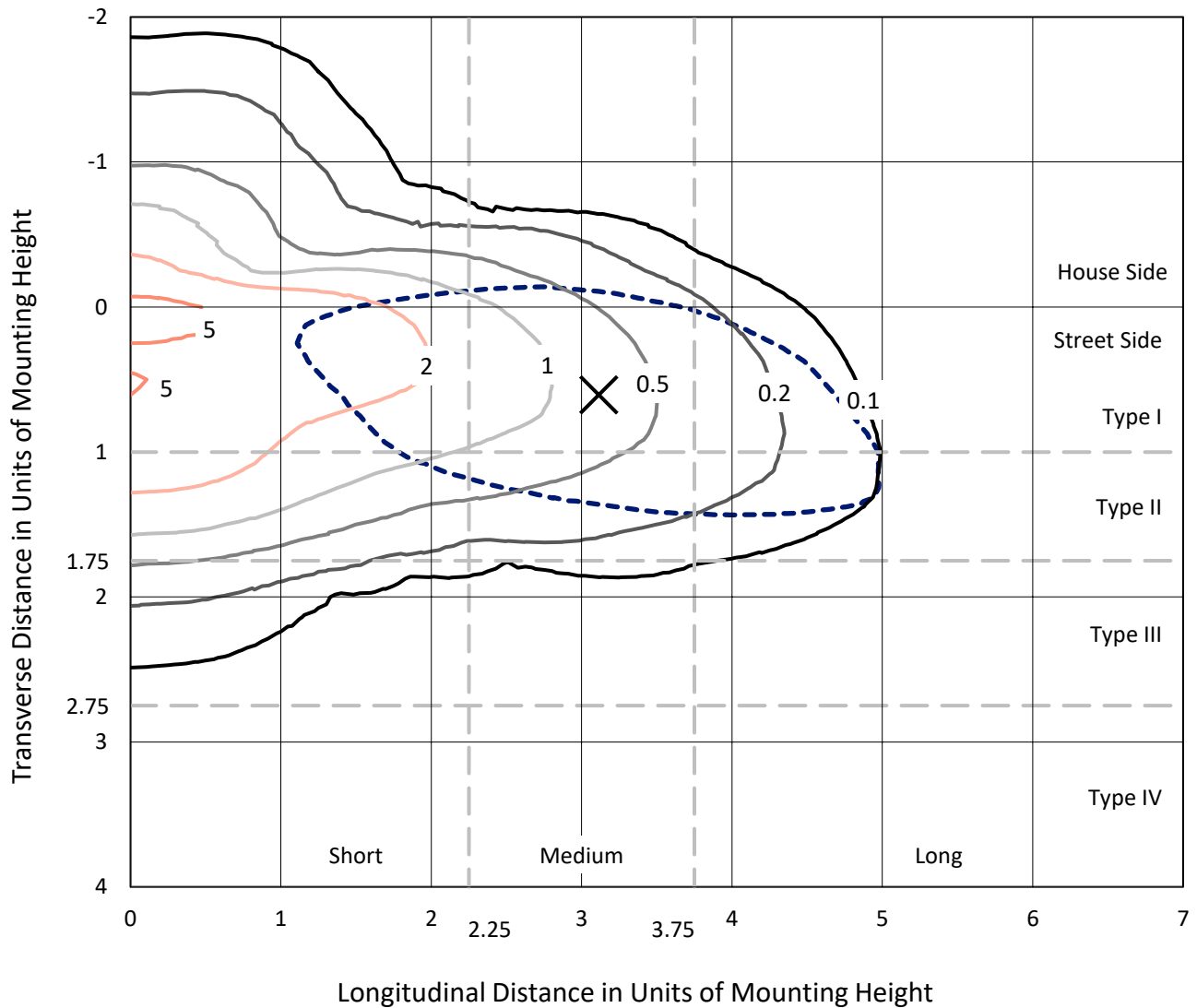
Lumens per Lamp: N/A  
Luminaire Lumens: 18159 lumens  
Efficiency: N/A  
Efficacy: 90.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 200.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

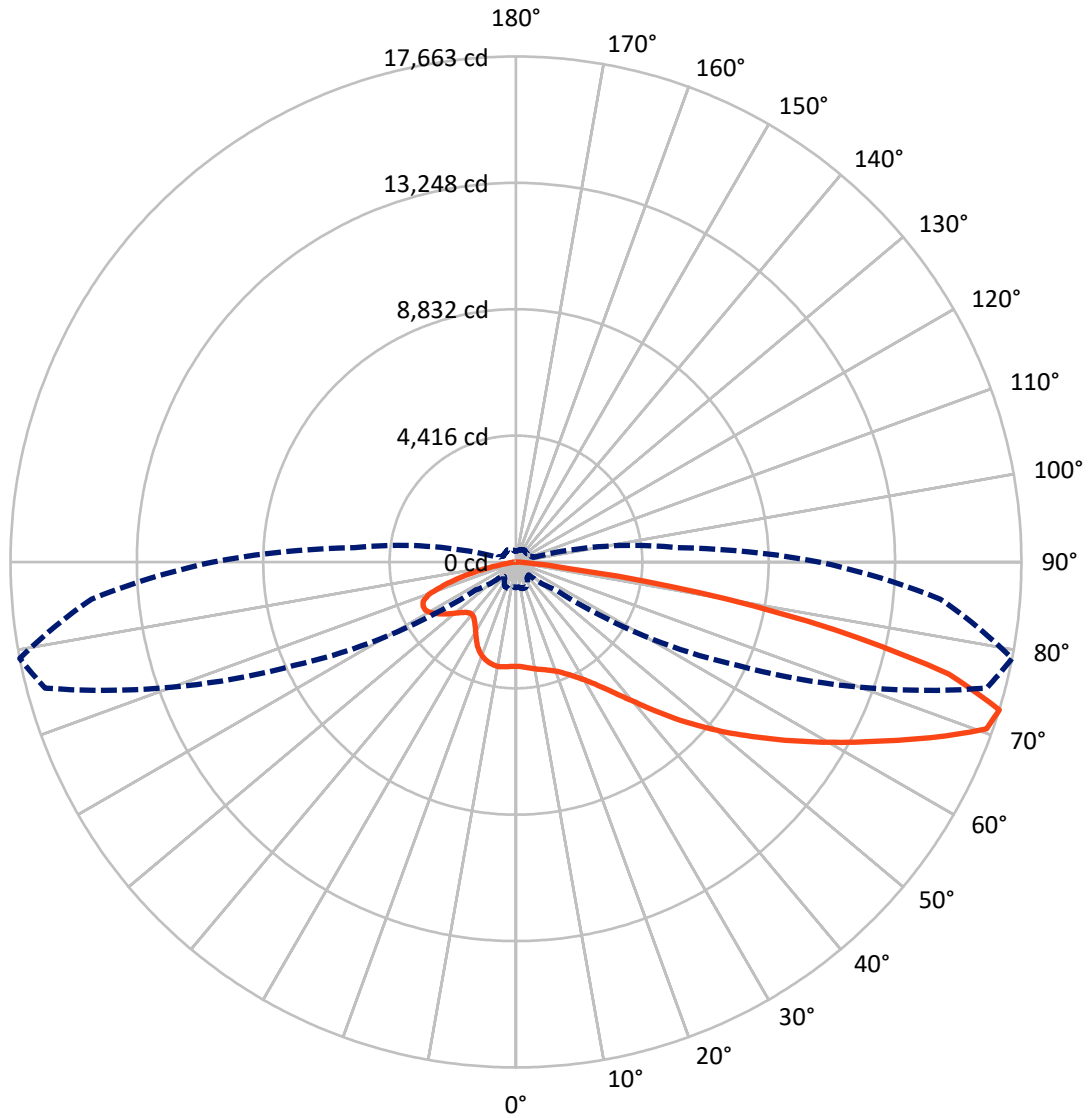
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral      - - - Horizontal Cone Through 72.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3996.0	0.0	3996.0
	% Fixture	22.0	0.0	22.0
<b>Street Side</b>	Lumens	14163.0	0.0	14163.0
	% Fixture	78.0	0.0	78.0
<b>Total</b>	Lumens	18159.0	0.0	18159.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	330.9	1.8
10°-20°	865.1	4.8
20°-30°	1395.9	7.7
30°-40°	2095.1	11.5
40°-50°	2972.0	16.4
50°-60°	3753.2	20.7
60°-70°	3811.9	21.0
70°-80°	2598.0	14.3
80°-90°	337.1	1.9
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°	18159.0	100.0
0°-180°	18159.0	100.0



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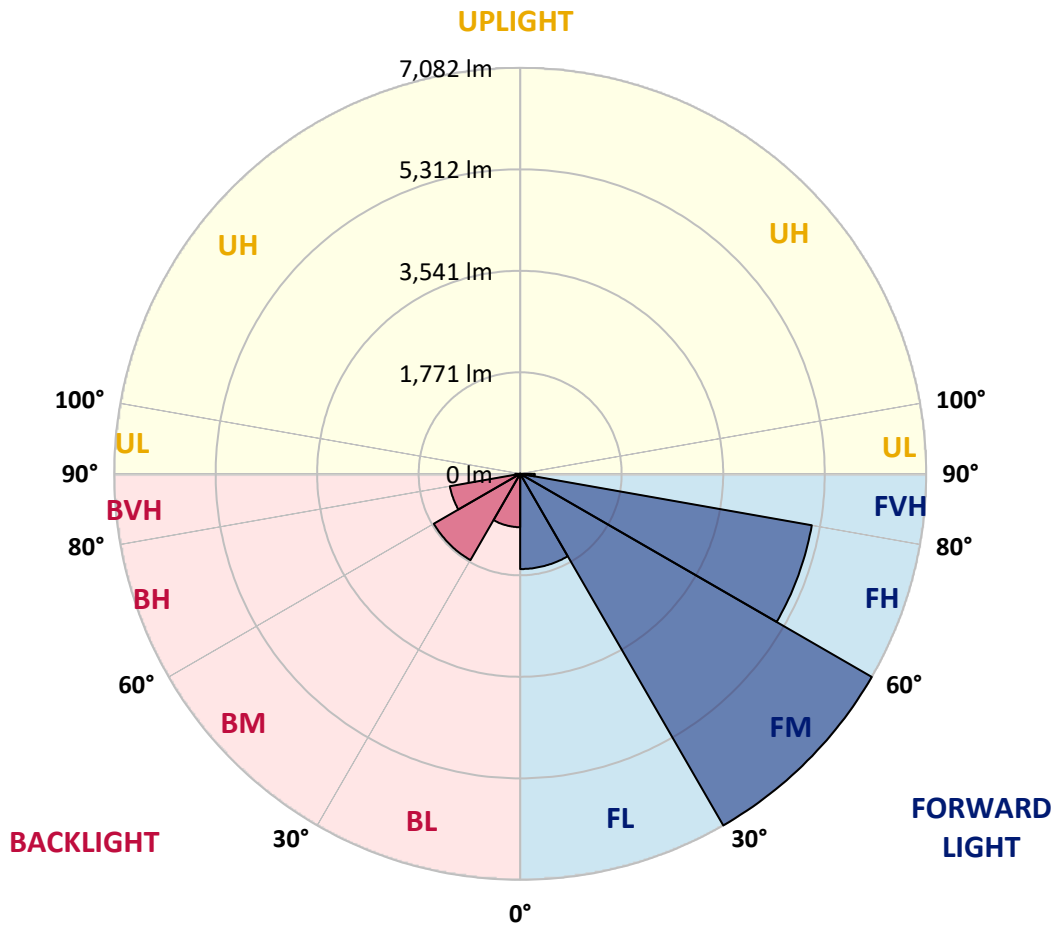
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1661.1	9.1			
FM (30°-60°)	7082.4	39.0			
FH (60°-80°)	5165.6	28.4			G3/7500
FVH (80°-90°)	253.9	1.4			G3/500
BL (0°-30°)	930.8	5.1	B2/1000		
BM (30°-60°)	1737.8	9.6	B2/2500		
BH (60°-80°)	1244.2	6.9	B3/2500		G3/2500
BVH (80°-90°)	83.2	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°
0°	3645.2	3645.2	3645.2	3645.2	3645.2	3645.2	3645.2	3645.2	3645.2	3645.2
2.5°	3647.2	3629.9	3640.4	3636.6	3641.4	3647.2	3649.1	3652.0	3661.6	3660.6
5°	3639.5	3622.2	3636.6	3631.8	3644.3	3657.7	3669.3	3679.8	3695.2	3701.9
7.5°	3623.2	3611.6	3626.0	3640.4	3663.5	3683.7	3700.0	3724.0	3746.1	3749.9
10°	3528.1	3519.4	3553.0	3590.5	3653.9	3708.6	3744.2	3772.0	3796.1	3799.9
12.5°	3429.1	3418.6	3456.0	3506.9	3609.7	3708.6	3783.6	3820.1	3841.2	3853.7
15°	3412.8	3404.2	3425.3	3469.5	3555.0	3682.7	3810.5	3877.7	3895.9	3910.4
17.5°	3491.6	3475.2	3483.9	3499.2	3549.2	3658.7	3831.6	3943.0	3970.9	3986.2
20°	3674.1	3651.0	3637.6	3606.8	3598.2	3662.5	3829.7	4021.8	4058.3	4077.5
22.5°	3917.1	3901.7	3872.9	3795.1	3710.6	3709.6	3866.2	4122.6	4190.8	4209.1
25°	4211.0	4188.0	4151.5	4045.8	3883.5	3802.8	3927.6	4251.3	4365.7	4370.5
27.5°	4549.1	4514.5	4464.6	4325.3	4106.3	3948.8	4021.8	4399.3	4566.4	4564.5
30°	4905.5	4870.9	4818.1	4649.0	4373.3	4145.7	4152.4	4558.7	4804.6	4794.1
32.5°	5165.8	5139.8	5129.3	4998.6	4680.7	4378.1	4302.3	4735.5	5098.5	5088.9
35°	5365.6	5332.0	5344.4	5278.2	5015.9	4638.4	4485.7	4945.8	5455.9	5454.9
37.5°	5563.4	5533.7	5544.2	5500.0	5326.2	4968.9	4709.5	5203.2	5898.7	5919.8
40°	5744.0	5712.3	5754.6	5713.3	5567.3	5320.4	4964.1	5494.3	6411.6	6451.9
42.5°	5852.6	5827.6	5897.7	5898.7	5776.7	5617.2	5243.6	5815.1	7005.2	7095.5
45°	5890.0	5881.4	5987.0	6009.1	5962.1	5789.2	5495.2	6164.7	7644.9	7806.3
47.5°	5849.7	5833.4	5979.4	6061.0	6098.5	5869.9	5703.7	6543.2	8298.1	8534.4
50°	5646.0	5614.4	5831.4	6003.4	6136.9	5922.7	5914.0	6980.2	9040.6	9299.0
52.5°	5280.1	5256.1	5502.9	5801.7	6052.4	5948.6	6150.3	7457.6	9745.6	10079.9
55°	4812.3	4780.6	5052.4	5442.4	5842.0	5940.0	6386.6	7991.7	10577.5	10916.5
57.5°	4070.8	4007.4	4351.2	4812.3	5499.1	5929.4	6632.5	8522.9	11422.7	11829.0
60°	2989.2	2895.1	3316.7	3863.3	4828.6	5826.6	6937.0	9118.4	12437.1	12803.0
62.5°	1740.5	1685.7	1961.4	2471.5	3639.5	5221.5	7108.0	9810.9	13434.1	13818.3
65°	1351.5	1336.1	1360.1	1399.5	2025.8	3909.4	6580.7	10486.2	14702.0	14971.0
67.5°	1236.2	1224.7	1235.3	1161.3	1027.8	2177.5	5206.1	10657.2	16060.2	16223.5
70°	1098.9	1085.4	1120.0	1056.6	808.8	990.3	3363.8	10036.7	17140.8	17447.2
72.5°	895.2	879.9	960.5	931.7	681.0	635.9	1689.6	8562.2	17027.5	17663.4
75°	687.7	679.1	775.2	799.2	555.2	500.4	810.7	6364.5	14984.4	15625.1
77.5°	534.1	527.3	576.3	663.7	447.6	388.1	498.5	4037.1	11292.1	11404.5
80°	400.5	381.3	426.5	513.9	348.7	283.4	338.1	2354.3	7137.8	6470.2
82.5°	250.7	241.1	278.6	342.9	245.9	195.0	220.0	1300.6	2860.5	1684.8
85°	143.1	139.3	151.8	196.0	133.5	112.4	125.8	574.4	522.5	359.2
87.5°	57.6	55.7	69.2	87.4	49.0	41.3	44.2	138.3	115.3	106.6
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°
3645.2	0°	3645.2	3645.2	3645.2	3645.2	3645.2	3645.2	3645.2	3645.2	3645.2	3645.2
3659.7	2.5°	3655.8	3655.8	3642.4	3621.2	3597.2	3581.9	3556.9	3550.2	3524.2	3516.5
3692.3	5°	3700.0	3692.3	3651.0	3591.5	3509.8	3434.9	3352.3	3300.4	3227.4	3201.5
3756.7	7.5°	3755.7	3734.6	3663.5	3532.9	3361.9	3193.8	3019.0	2886.4	2759.6	2714.5
3809.5	10°	3806.6	3776.8	3655.8	3427.2	3131.4	2840.3	2561.8	2366.8	2218.8	2158.3
3868.1	12.5°	3857.5	3802.8	3604.9	3251.4	2803.8	2409.0	2112.2	1960.5	1869.2	1796.2
3916.1	15°	3905.6	3828.7	3526.1	3016.1	2444.6	2044.0	1825.0	1704.0	1631.0	1583.0
3986.2	17.5°	3961.3	3850.8	3408.0	2717.4	2102.6	1791.4	1612.7	1539.7	1525.3	1519.6
4082.3	20°	4039.1	3871.0	3252.4	2383.1	1851.0	1589.7	1497.5	1490.8	1489.8	1486.9
4197.6	22.5°	4122.6	3895.0	3046.8	2079.6	1636.8	1463.9	1447.5	1434.1	1425.4	1424.5
4336.8	25°	4221.6	3902.7	2789.4	1830.8	1454.3	1404.3	1385.1	1364.9	1359.2	1359.2
4495.3	27.5°	4317.6	3876.7	2489.7	1614.7	1351.5	1349.6	1324.6	1317.9	1316.9	1319.8
4675.9	30°	4413.7	3827.7	2192.0	1414.9	1291.9	1291.9	1283.3	1288.1	1291.9	1301.5
4923.7	32.5°	4543.4	3775.9	1943.2	1267.0	1240.1	1230.5	1239.1	1248.7	1252.5	1265.0
5249.3	35°	4733.5	3739.4	1745.3	1186.3	1186.3	1173.8	1178.6	1176.7	1168.0	1162.3
5643.2	37.5°	4985.2	3737.5	1582.0	1148.8	1141.1	1139.2	1140.2	1127.7	1094.1	1053.7
6119.6	40°	5287.8	3789.3	1456.2	1122.9	1117.1	1128.6	1122.9	1089.3	997.0	926.9
6705.5	42.5°	5694.1	3937.3	1375.5	1091.2	1108.5	1122.9	1099.8	983.6	921.2	874.1
7373.1	45°	6172.4	4177.4	1334.2	1057.6	1092.1	1109.4	998.0	947.1	897.1	840.5
8101.2	47.5°	6714.2	4480.0	1324.6	1025.9	1055.6	1066.2	954.8	931.7	875.1	813.6
8833.1	50°	7303.9	4838.2	1350.5	988.4	1002.8	966.3	940.4	919.2	860.6	800.1
9583.3	52.5°	7913.9	5233.0	1402.4	937.5	950.0	909.6	934.6	916.4	852.0	770.4
10358.5	55°	8513.3	5630.7	1452.3	877.9	896.2	858.7	918.3	904.8	812.6	720.4
11185.5	57.5°	9122.2	6026.4	1501.3	825.1	844.3	809.7	892.3	874.1	768.4	674.3
12088.4	60°	9755.2	6410.6	1524.4	774.2	787.6	764.6	853.0	821.3	718.5	627.2
12975.9	62.5°	10347.9	6730.5	1486.9	723.3	731.9	722.3	801.1	758.8	668.5	574.4
13900.9	65°	10942.5	6920.7	1371.7	673.3	675.3	670.5	728.1	691.6	609.9	528.3
14710.7	67.5°	11481.3	7027.3	1188.2	619.5	614.7	612.8	659.9	618.6	553.3	482.2
15326.4	70°	11595.6	6756.4	907.7	556.2	556.2	551.3	585.0	542.7	490.8	433.2
14885.5	72.5°	10590.9	5683.5	644.5	484.1	491.8	482.2	510.0	474.5	427.4	389.0
12829.0	75°	8540.2	4167.8	468.7	410.2	423.6	407.3	433.2	408.2	367.9	366.9
8840.8	77.5°	5867.9	2577.1	340.0	338.1	347.7	326.6	356.4	342.9	306.4	290.1
3847.9	80°	2504.1	1027.8	247.8	261.3	261.3	242.1	276.6	280.5	248.8	241.1
742.5	82.5°	498.5	292.0	173.9	179.6	169.1	163.3	196.0	217.1	299.7	333.3
223.8	85°	149.8	107.6	104.7	98.0	86.4	87.4	115.3	218.0	269.0	153.7
74.0	87.5°	41.3	26.9	27.9	22.1	18.3	24.0	39.4	165.2	90.3	38.4
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>
3645.2
3529.0
3220.7
2720.2
2171.8
1820.2
1591.6
1523.4
1496.5
1435.0
1364.9
1327.5
1308.3
1275.6
1175.7
1054.7
925.0
872.2
836.6
808.8
793.4
764.6
715.6
672.4
624.4
573.4
522.5
476.4
431.3
377.5
330.4
271.8
241.1
334.3
132.6
32.7
0.0

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