

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: P952312

Luminaire Tested: **GALN-SB6A-950-U-SL2**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P952312  
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-SB6A-950-U-SL2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

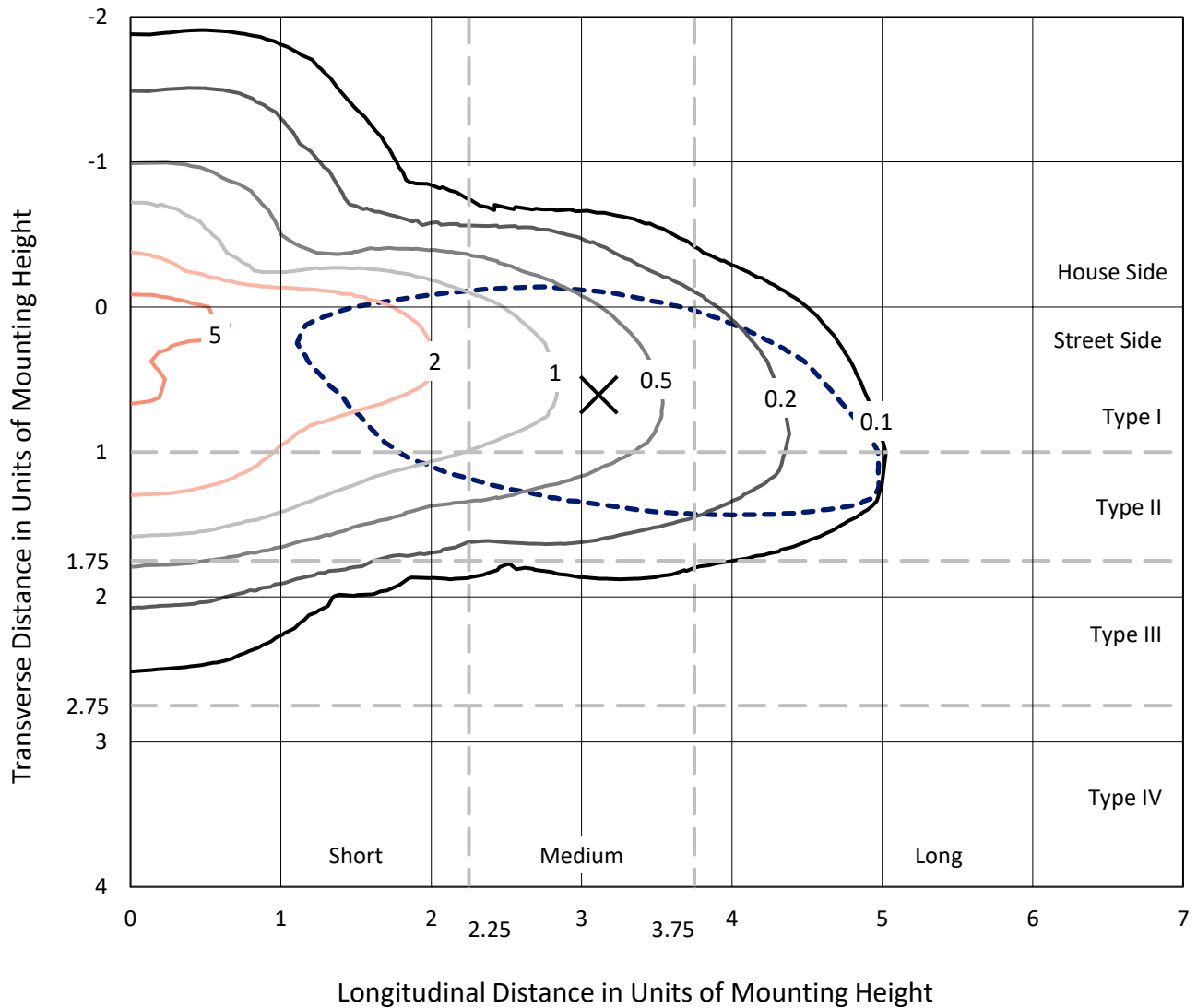
Lumens per Lamp: N/A  
Luminaire Lumens: 18809 lumens  
Efficiency: N/A  
Efficacy: 110.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 170.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

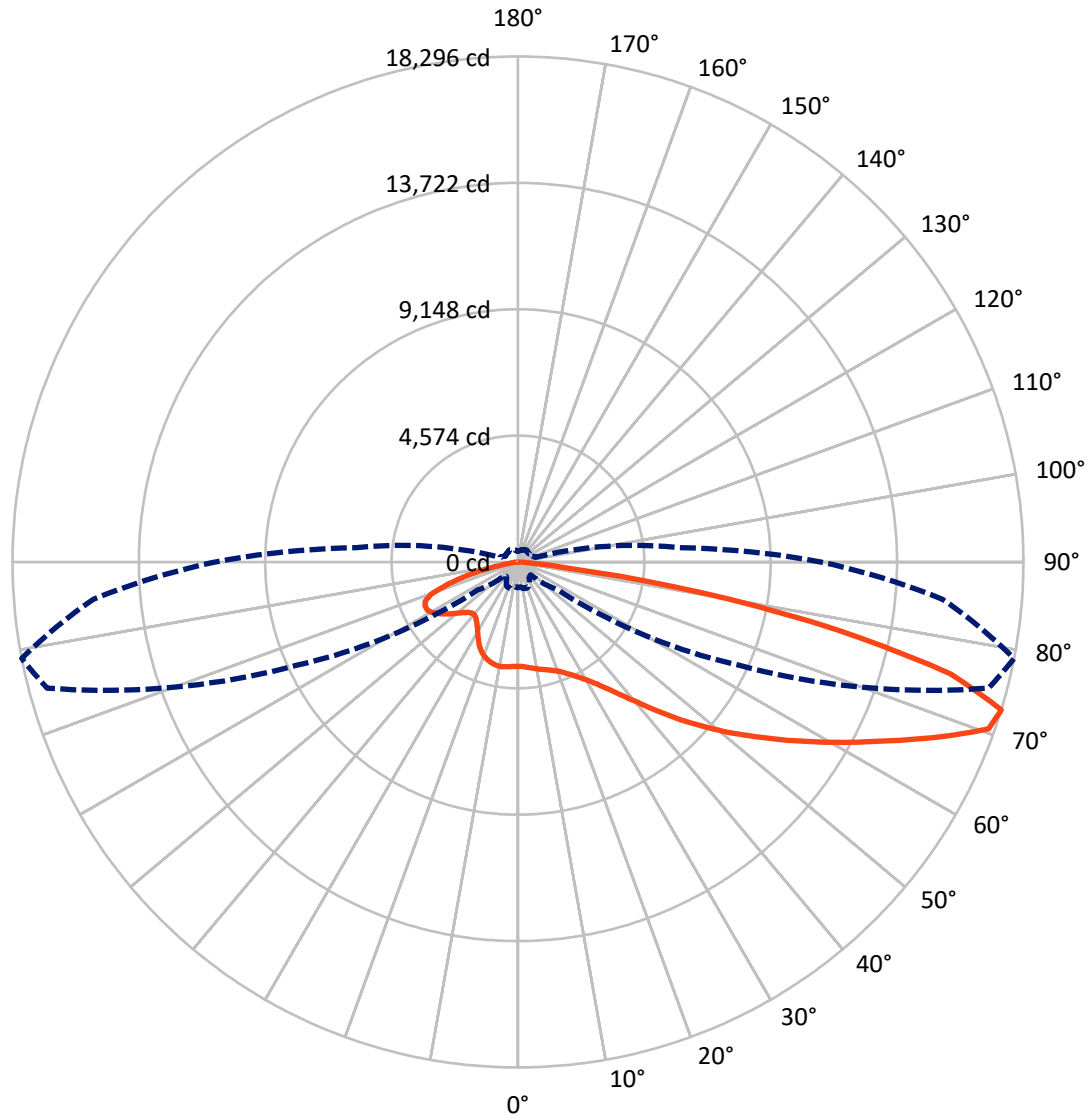
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.1 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	4139.0	0.0	4139.0
	% Fixture	22.0	0.0	22.0
<b>Street Side</b>	Lumens	14670.0	0.0	14670.0
	% Fixture	78.0	0.0	78.0
<b>Total</b>	Lumens	18809.0	0.0	18809.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	342.7	1.8
10°-20°	896.1	4.8
20°-30°	1445.9	7.7
30°-40°	2170.1	11.5
40°-50°	3078.3	16.4
50°-60°	3887.5	20.7
60°-70°	3948.3	21.0
70°-80°	2691.0	14.3
80°-90°	349.1	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°	18809.0	100.0
0°-180°	18809.0	100.0



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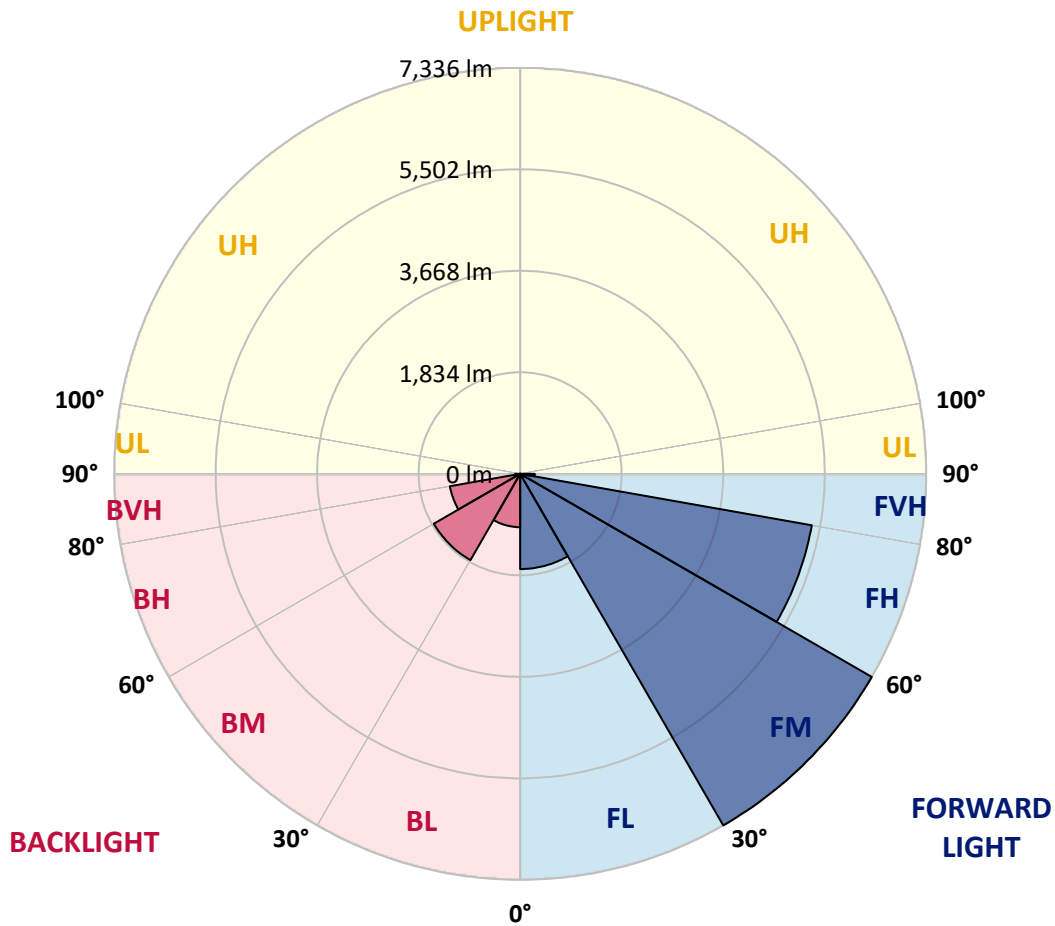
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1720.6	9.1			
FM (30°-60°)	7335.9	39.0			
FH (60°-80°)	5350.5	28.4			G3/7500
FVH (80°-90°)	263.0	1.4			G3/500
BL (0°-30°)	964.1	5.1	B2/1000		
BM (30°-60°)	1800.0	9.6	B2/2500		
BH (60°-80°)	1288.8	6.9	B3/2500		G3/2500
BVH (80°-90°)	86.1	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°	3775.7	3775.7	3775.7	3775.7	3775.7	3775.7	3775.7	3775.7	3775.7	3775.7
2.5°	3777.7	3759.8	3770.8	3766.8	3771.7	3777.7	3779.7	3782.7	3792.6	3791.6
5°	3769.8	3751.8	3766.8	3761.8	3774.7	3788.7	3800.6	3811.5	3827.5	3834.4
7.5°	3752.8	3740.9	3755.8	3770.8	3794.6	3815.5	3832.4	3857.3	3880.2	3884.2
10°	3654.3	3645.4	3680.2	3719.0	3784.7	3841.4	3878.2	3907.1	3931.9	3935.9
12.5°	3551.9	3540.9	3579.7	3632.5	3738.9	3841.4	3919.0	3956.8	3978.7	3991.6
15°	3535.0	3526.0	3547.9	3593.7	3682.2	3814.5	3946.9	4016.5	4035.4	4050.3
17.5°	3616.5	3599.6	3608.6	3624.5	3676.2	3789.7	3968.7	4084.2	4113.0	4128.9
20°	3805.6	3781.7	3767.8	3735.9	3727.0	3793.6	3966.8	4165.7	4203.5	4223.4
22.5°	4057.3	4041.4	4011.5	3930.9	3843.4	3842.4	4004.6	4270.2	4340.8	4359.7
25°	4361.7	4337.9	4300.1	4190.6	4022.5	3938.9	4068.2	4403.5	4521.9	4526.9
27.5°	4711.9	4676.1	4624.4	4480.1	4253.3	4090.1	4165.7	4556.7	4729.9	4727.9
30°	5081.1	5045.2	4990.5	4815.4	4529.9	4294.1	4301.0	4721.9	4976.6	4965.7
32.5°	5350.7	5323.8	5312.9	5177.6	4848.3	4534.9	4456.3	4905.0	5281.0	5271.1
35°	5557.6	5522.8	5535.7	5467.1	5195.5	4804.5	4646.3	5122.9	5651.2	5650.2
37.5°	5762.6	5731.7	5742.7	5696.9	5516.8	5146.7	4878.1	5389.5	6109.8	6131.7
40°	5949.6	5916.8	5960.6	5917.8	5766.6	5510.9	5141.8	5691.0	6641.1	6682.9
42.5°	6062.1	6036.2	6108.8	6109.8	5983.5	5818.3	5431.3	6023.3	7256.0	7349.5
45°	6100.9	6091.9	6201.3	6224.2	6175.5	5996.4	5691.9	6385.4	7918.6	8085.7
47.5°	6059.1	6042.2	6193.4	6278.0	6316.8	6080.0	5907.8	6777.4	8595.1	8839.9
50°	5848.1	5815.3	6040.2	6218.3	6356.6	6134.7	6125.7	7230.1	9364.2	9631.8
52.5°	5469.1	5444.2	5699.9	6009.3	6269.0	6161.6	6370.5	7724.6	10094.5	10440.7
55°	4984.6	4951.7	5233.3	5637.2	6051.1	6152.6	6615.2	8277.7	10956.1	11307.3
57.5°	4216.5	4150.8	4507.0	4984.6	5695.9	6141.7	6869.9	8827.9	11831.6	12252.5
60°	3096.2	2998.7	3435.5	4001.6	5001.5	6035.2	7185.3	9444.8	12882.2	13261.3
62.5°	1802.8	1746.1	2031.6	2559.9	3769.8	5408.4	7362.4	10162.1	13915.0	14312.9
65°	1399.9	1383.9	1408.8	1449.6	2098.3	4049.3	6816.2	10861.6	15228.3	15506.8
67.5°	1280.5	1268.5	1279.5	1202.9	1064.6	2255.5	5392.5	11038.7	16635.1	16804.2
70°	1138.2	1124.3	1160.1	1094.4	837.7	1025.8	3484.2	10395.9	17754.4	18071.8
72.5°	927.3	911.3	994.9	965.1	705.4	658.6	1750.1	8868.7	17637.0	18295.6
75°	712.4	703.4	802.9	827.8	575.1	518.4	839.7	6592.4	15520.8	16184.4
77.5°	553.2	546.2	597.0	687.5	463.6	401.9	516.4	4181.7	11696.3	11812.7
80°	414.9	395.0	441.7	532.3	361.2	293.5	350.2	2438.6	7393.3	6701.8
82.5°	259.7	249.7	288.5	355.2	254.7	202.0	227.8	1347.1	2962.9	1745.1
85°	148.2	144.3	157.2	203.0	138.3	116.4	130.3	595.0	541.2	372.1
87.5°	59.7	57.7	71.6	90.5	50.7	42.8	45.8	143.3	119.4	110.4
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°
3775.7	0°	3775.7	3775.7	3775.7	3775.7	3775.7	3775.7	3775.7	3775.7	3775.7	3775.7
3790.7	2.5°	3786.7	3786.7	3772.7	3750.9	3726.0	3710.1	3684.2	3677.2	3650.4	3642.4
3824.5	5°	3832.4	3824.5	3781.7	3720.0	3635.4	3557.8	3472.3	3418.6	3342.9	3316.1
3891.1	7.5°	3890.1	3868.3	3794.6	3659.3	3482.2	3308.1	3127.0	2989.7	2858.4	2811.6
3945.9	10°	3942.9	3912.0	3786.7	3549.9	3243.4	2942.0	2653.5	2451.5	2298.3	2235.6
4006.5	12.5°	3995.6	3938.9	3733.9	3367.8	2904.2	2495.3	2187.8	2030.6	1936.1	1860.5
4056.3	15°	4045.4	3965.8	3652.4	3124.1	2532.1	2117.2	1890.4	1765.0	1689.4	1639.6
4128.9	17.5°	4103.1	3988.6	3530.0	2814.6	2177.9	1855.5	1670.5	1594.9	1579.9	1574.0
4228.4	20°	4183.6	4009.5	3368.8	2468.4	1917.2	1646.6	1551.1	1544.1	1543.1	1540.1
4347.8	22.5°	4270.2	4034.4	3155.9	2154.0	1695.3	1516.3	1499.3	1485.4	1476.5	1475.5
4492.1	25°	4372.7	4042.4	2889.3	1896.3	1506.3	1454.6	1434.7	1413.8	1407.8	1407.8
4656.2	27.5°	4472.2	4015.5	2578.8	1672.5	1399.9	1397.9	1372.0	1365.0	1364.0	1367.0
4843.3	30°	4571.7	3964.8	2270.4	1465.5	1338.2	1338.2	1329.2	1334.2	1338.2	1348.1
5100.0	32.5°	4706.0	3911.0	2012.7	1312.3	1284.4	1274.5	1283.4	1293.4	1297.4	1310.3
5437.2	35°	4903.0	3873.2	1807.8	1228.7	1228.7	1215.8	1220.8	1218.8	1209.8	1203.9
5845.2	37.5°	5163.6	3871.2	1638.6	1189.9	1182.0	1180.0	1181.0	1168.0	1133.2	1091.4
6338.6	40°	5477.0	3925.0	1508.3	1163.1	1157.1	1169.0	1163.1	1128.2	1032.7	960.1
6945.5	42.5°	5897.9	4078.2	1424.7	1130.2	1148.1	1163.1	1139.2	1018.8	954.1	905.4
7637.0	45°	6393.4	4326.9	1381.9	1095.4	1131.2	1149.1	1033.7	981.0	929.3	870.6
8391.2	47.5°	6954.5	4640.3	1372.0	1062.6	1093.4	1104.4	989.0	965.1	906.4	842.7
9149.3	50°	7565.4	5011.4	1398.9	1023.8	1038.7	1000.9	974.0	952.1	891.4	828.8
9926.3	52.5°	8197.2	5420.3	1452.6	971.0	984.0	942.2	968.1	949.2	882.5	797.9
10729.2	55°	8818.0	5832.2	1504.3	909.4	928.3	889.5	951.1	937.2	841.7	746.2
11585.9	57.5°	9448.8	6242.1	1555.1	854.6	874.5	838.7	924.3	905.4	795.9	698.4
12521.1	60°	10104.4	6640.1	1578.9	801.9	815.8	792.0	883.5	850.7	744.2	649.7
13440.4	62.5°	10718.3	6971.4	1540.1	749.2	758.1	748.2	829.8	786.0	692.5	595.0
14398.5	65°	11334.1	7168.4	1420.7	697.4	699.4	694.5	754.2	716.3	631.8	547.2
15237.2	67.5°	11892.3	7278.8	1230.7	641.7	636.7	634.8	683.5	640.7	573.1	499.5
15875.0	70°	12010.7	6998.3	940.2	576.1	576.1	571.1	605.9	562.1	508.4	448.7
15418.3	72.5°	10970.0	5887.0	667.6	501.4	509.4	499.5	528.3	491.5	442.7	402.9
13288.2	75°	8845.8	4317.0	485.5	424.8	438.8	421.8	448.7	422.8	381.1	380.1
9157.3	77.5°	6078.0	2669.4	352.2	350.2	360.2	338.3	369.1	355.2	317.4	300.5
3985.7	80°	2593.8	1064.6	256.7	270.6	270.6	250.7	286.5	290.5	257.7	249.7
769.1	82.5°	516.4	302.5	180.1	186.1	175.1	169.1	203.0	224.9	310.4	345.2
231.8	85°	155.2	111.4	108.4	101.5	89.5	90.5	119.4	225.8	278.6	159.2
76.6	87.5°	42.8	27.9	28.9	22.9	18.9	24.9	40.8	171.1	93.5	39.8
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°
3775.7
3655.3
3336.0
2817.6
2249.5
1885.4
1648.6
1577.9
1550.1
1486.4
1413.8
1375.0
1355.1
1321.3
1217.8
1092.4
958.1
903.4
866.6
837.7
821.8
792.0
741.2
696.4
646.7
594.0
541.2
493.5
446.7
391.0
342.3
281.6
249.7
346.2
137.3
33.8
0.0

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