

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: P943254

Luminaire Tested: **GALN-SB7C-927-U-T2-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P943254  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB7C-927-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

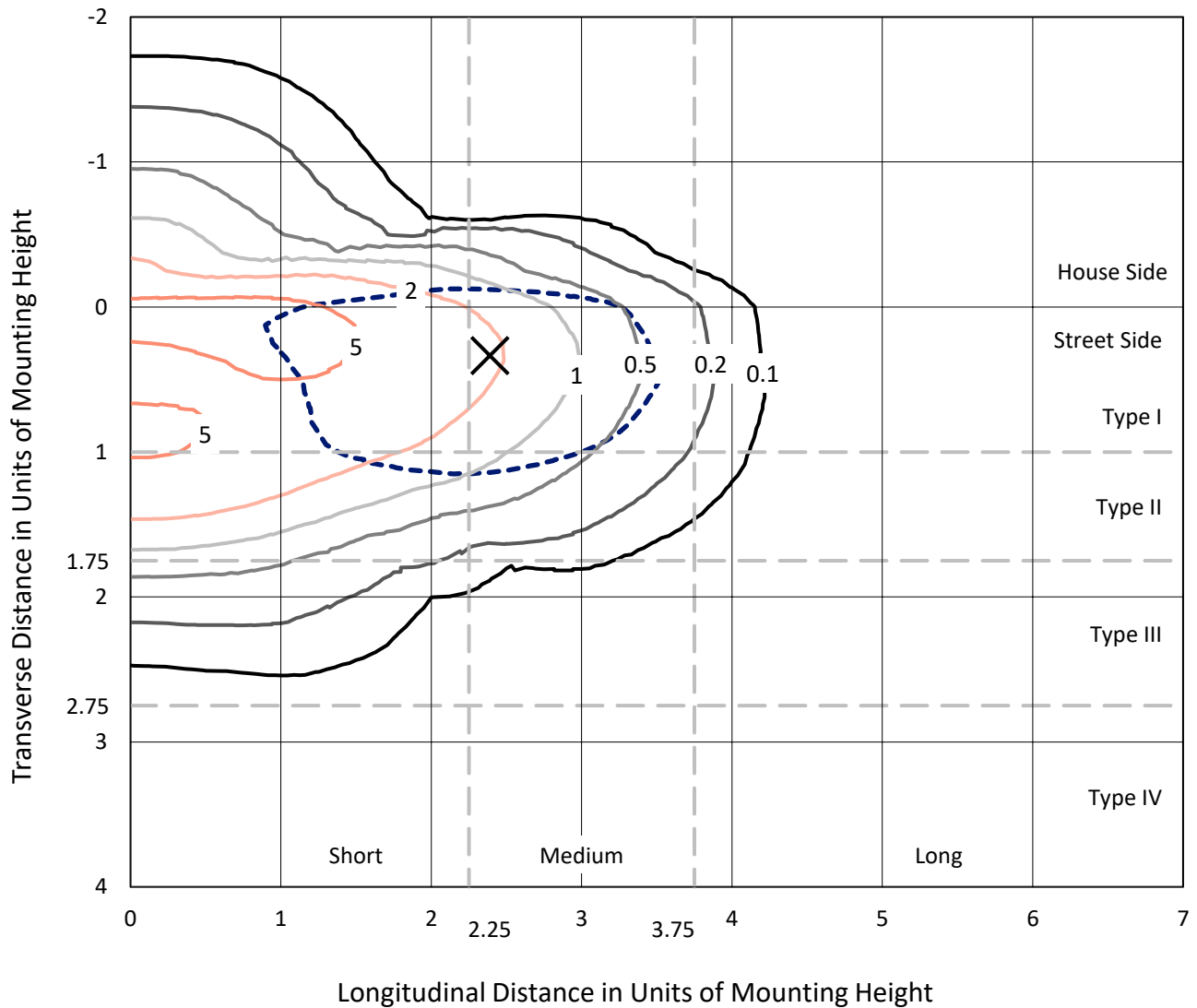
Lumens per Lamp: N/A  
Luminaire Lumens: 23673 lumens  
Efficiency: N/A  
Efficacy: 67.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 350.5  
Input Voltage (V): NR  
Input Current (Ain): 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

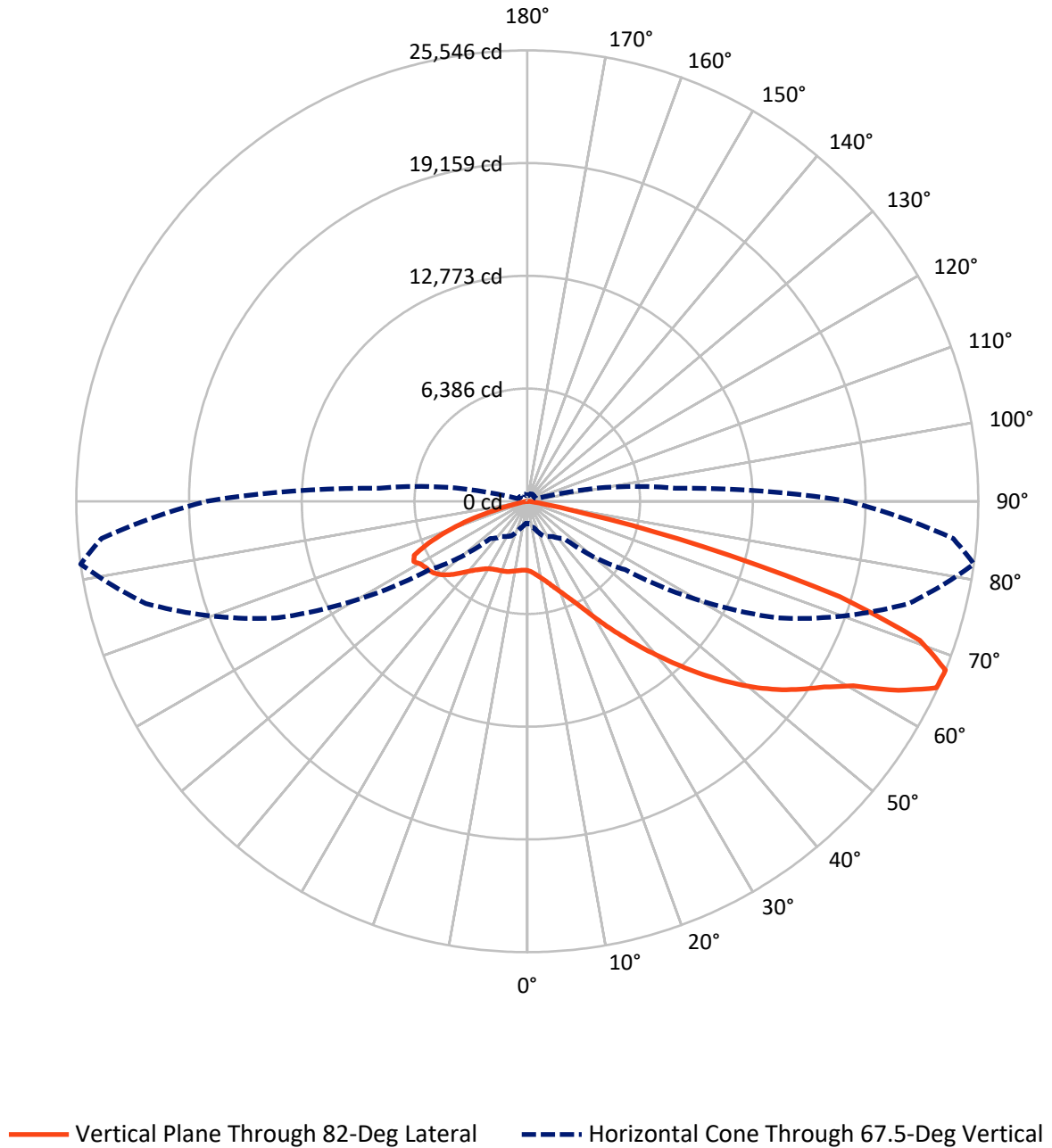
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.3 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4288.2	0.0	4288.2
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	19384.8	0.0	19384.8
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	23673.0	0.0	23673.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	349.4	1.5
10°-20°	908.0	3.8
20°-30°	1454.3	6.1
30°-40°	2571.6	10.9
40°-50°	4505.7	19.0
50°-60°	6009.3	25.4
60°-70°	5594.3	23.6
70°-80°	2147.1	9.1
80°-90°	133.4	0.6
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°	23673.0	100.0
0°-180°	23673.0	100.0

**Coefficient of Utilization**



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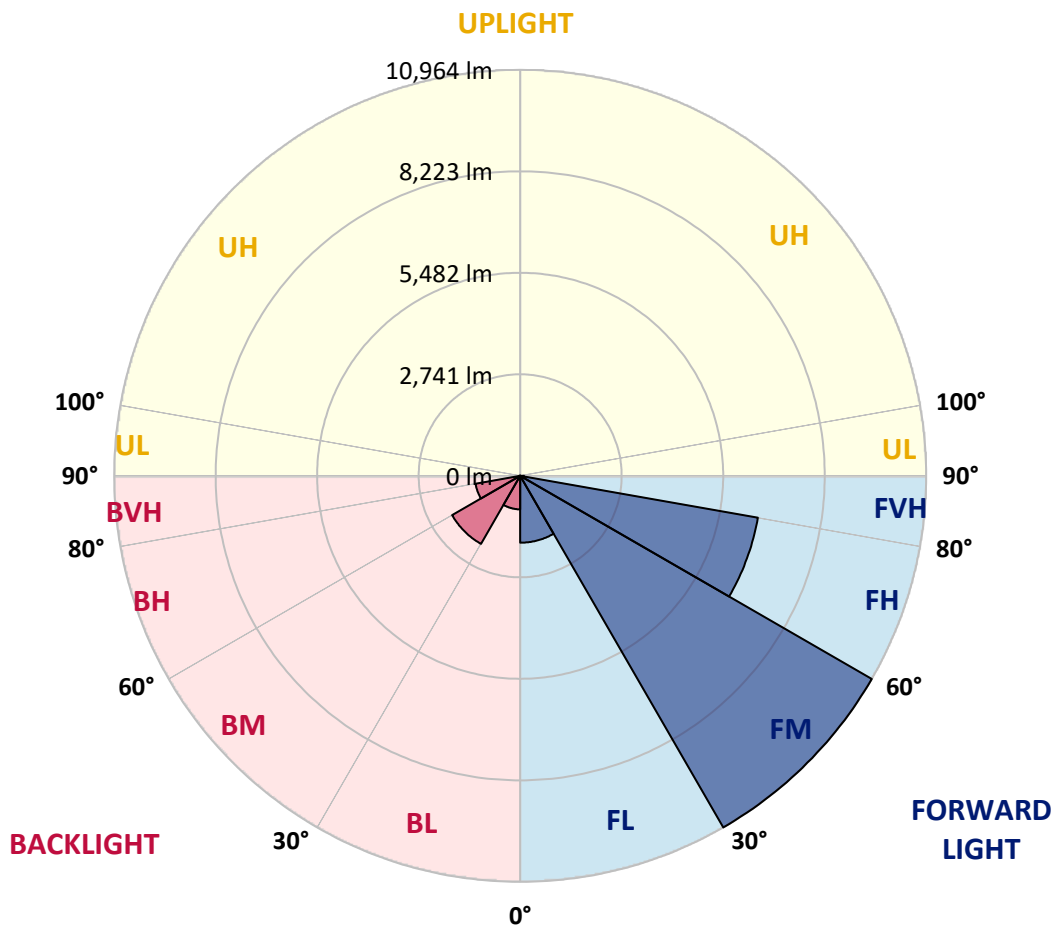
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1806.0	7.6			
FM (30°-60°)	10964.4	46.3			
FH (60°-80°)	6517.5	27.5			G3/7500
FVH (80°-90°)	97.0	0.4			G1/100
BL (0°-30°)	905.6	3.8	B2/1000		
BM (30°-60°)	2122.2	9.0	B2/2500		
BH (60°-80°)	1223.9	5.2	B3/2500		G3/2500
BVH (80°-90°)	36.4	0.2			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°	82°
0°	3921.8	3921.8	3921.8	3921.8	3921.8	3921.8	3921.8	3921.8	3921.8	3921.8
2.5°	4145.1	4169.0	4155.3	4148.5	4136.6	4119.5	4105.9	4063.3	4019.0	3990.0
5°	4228.6	4252.5	4250.8	4257.6	4266.1	4271.2	4267.8	4220.1	4157.0	4107.6
7.5°	4157.0	4184.3	4206.4	4240.5	4300.2	4363.3	4393.9	4383.7	4318.9	4250.8
10°	3954.2	3983.2	4036.0	4116.1	4242.2	4378.6	4492.8	4545.6	4504.7	4429.7
12.5°	3582.6	3611.6	3715.6	3889.4	4100.8	4337.7	4555.9	4697.3	4707.5	4632.5
15°	3165.1	3194.0	3304.8	3523.0	3845.1	4225.2	4589.9	4857.5	4947.9	4883.1
17.5°	2906.0	2931.6	3015.1	3190.6	3526.4	4000.2	4578.0	5028.0	5234.2	5183.1
20°	2827.6	2849.7	2889.0	3011.7	3291.2	3766.7	4499.6	5188.2	5542.7	5513.7
22.5°	2911.1	2931.6	2943.5	2998.0	3173.6	3613.3	4400.8	5351.8	5900.6	5904.0
25°	3103.7	3124.2	3110.5	3144.6	3221.3	3565.6	4363.3	5544.4	6350.6	6388.1
27.5°	3420.7	3422.4	3390.0	3388.3	3400.3	3637.2	4402.5	5750.6	6918.1	6988.0
30°	4056.5	4030.9	3906.5	3771.8	3710.5	3851.9	4511.5	5994.4	7588.0	7712.4
32.5°	5036.5	4999.0	4770.6	4448.5	4124.6	4197.9	4707.5	6272.2	8317.5	8542.4
35°	6100.0	6089.8	5851.2	5372.3	4806.4	4690.5	5026.3	6636.9	9113.4	9471.3
37.5°	7088.6	7083.5	6947.1	6383.0	5694.4	5377.4	5537.6	7114.1	9965.6	10483.7
40°	7991.9	8007.3	7870.9	7366.4	6672.7	6258.5	6233.0	7703.9	10913.2	11586.5
42.5°	8772.5	8789.6	8651.5	8278.3	7639.1	7233.5	7086.9	8426.5	11838.7	12771.0
45°	9302.6	9408.3	9387.8	9089.5	8631.1	8210.1	8112.9	9333.3	12893.8	14027.2
47.5°	9452.6	9549.7	9703.1	9744.0	9464.5	9050.3	9166.2	10425.8	13960.7	15285.0
50°	9082.7	9173.1	9491.8	9916.2	10110.5	9982.6	10190.6	11596.7	15053.2	16539.5
52.5°	8353.2	8445.3	8847.5	9519.1	10311.6	10713.8	11218.3	12750.6	16111.7	17727.4
55°	7298.2	7395.4	7911.8	8672.0	9928.1	11015.5	12075.6	13902.8	17081.5	18796.1
57.5°	5863.1	5934.7	6471.6	7535.1	8963.4	10715.5	12708.0	15160.6	17995.0	19846.0
60°	3821.3	3884.3	4508.1	5694.4	7364.7	9713.4	12834.1	16563.3	19208.5	21211.2
62.5°	2541.3	2583.9	2953.7	3824.7	5186.5	7789.1	12096.1	17683.1	20987.9	23587.1
65°	1743.6	1786.2	2156.1	2762.8	3350.8	5152.4	9974.1	17534.8	22600.3	25473.9
67.5°	1244.2	1280.0	1593.6	2166.3	2425.4	2992.9	6761.3	15639.5	22368.5	25545.5
70°	891.4	911.9	1170.9	1687.4	1927.7	1798.1	3759.9	11961.5	19585.2	23588.8
72.5°	623.8	630.6	813.0	1285.1	1552.7	1312.4	1789.6	7974.9	14812.9	18514.9
75°	422.7	431.2	547.1	942.5	1245.9	1002.2	947.6	4276.3	8695.8	10248.5
77.5°	259.1	262.5	352.8	644.3	932.3	763.6	610.2	1811.8	3364.5	3303.1
80°	146.6	146.6	225.0	400.5	635.7	492.6	427.8	770.4	1065.2	935.7
82.5°	81.8	83.5	163.6	248.8	421.0	291.5	235.2	356.2	460.2	407.4
85°	34.1	37.5	100.6	117.6	201.1	144.9	95.4	150.0	170.4	151.7
87.5°	3.4	5.1	30.7	22.2	23.9	29.0	13.6	29.0	23.9	23.9
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°
3921.8	0°	3921.8	3921.8	3921.8	3921.8	3921.8	3921.8	3921.8	3921.8	3921.8	3921.8
3979.8	2.5°	3947.4	3921.8	3857.0	3782.1	3683.2	3635.5	3570.7	3526.4	3488.9	3492.3
4078.6	5°	4024.1	3959.3	3814.4	3633.8	3408.8	3248.6	3078.1	2960.5	2865.1	2844.6
4215.0	7.5°	4129.8	4027.5	3773.5	3448.0	3067.9	2779.9	2522.5	2357.2	2239.6	2202.1
4380.3	10°	4266.1	4117.8	3720.7	3214.5	2667.4	2300.9	2024.8	1895.3	1815.2	1787.9
4574.6	12.5°	4424.6	4221.8	3650.8	2929.9	2254.9	1902.1	1726.6	1661.8	1636.2	1627.7
4813.2	15°	4624.0	4351.3	3545.1	2592.4	1905.5	1658.4	1583.4	1574.9	1578.3	1574.9
5099.6	17.5°	4860.9	4492.8	3373.0	2244.7	1670.3	1534.0	1506.7	1513.5	1522.0	1520.3
5420.0	20°	5120.0	4632.5	3153.1	1936.2	1510.1	1445.3	1430.0	1436.8	1443.6	1440.2
5789.8	22.5°	5414.9	4782.5	2909.4	1695.9	1402.7	1363.5	1346.5	1348.2	1348.2	1341.4
6258.5	25°	5767.7	4947.9	2653.7	1525.4	1320.9	1290.2	1269.8	1263.0	1252.7	1232.3
6827.8	27.5°	6188.7	5123.4	2408.3	1406.1	1256.1	1227.2	1203.3	1186.3	1160.7	1126.6
7511.3	30°	6662.5	5336.5	2200.4	1331.1	1205.0	1176.0	1148.8	1123.2	1085.7	1043.1
8297.0	32.5°	7219.8	5564.9	2048.7	1281.7	1159.0	1128.3	1095.9	1065.2	1024.3	981.7
9179.9	35°	7884.5	5841.0	1960.1	1247.6	1123.2	1082.3	1046.5	1012.4	981.7	944.2
10139.5	37.5°	8605.5	6134.1	1932.8	1230.6	1099.3	1036.3	995.4	971.5	968.1	945.9
11177.4	40°	9394.6	6481.8	1953.2	1220.3	1073.8	992.0	947.6	942.5	951.1	911.9
12287.0	42.5°	10229.8	6894.3	1987.3	1208.4	1038.0	947.6	905.0	905.0	898.2	843.7
13459.6	45°	11133.1	7369.8	2021.4	1179.4	995.4	903.3	870.9	859.0	830.0	777.2
14639.1	47.5°	12043.3	7853.9	2047.0	1126.6	944.2	865.8	836.9	809.6	767.0	719.3
15796.3	50°	12907.4	8288.5	2019.7	1048.2	886.3	830.0	799.4	761.9	715.8	683.5
16892.3	52.5°	13679.5	8665.1	1903.8	956.2	824.9	792.5	765.3	726.1	688.6	654.5
17880.8	55°	14351.0	8970.2	1699.3	869.2	770.4	760.2	732.9	683.5	632.3	603.4
18860.8	57.5°	14995.3	9202.0	1443.6	797.7	721.0	724.4	683.5	639.1	591.4	560.7
20181.8	60°	15852.6	9512.2	1184.6	731.2	668.1	678.3	634.0	601.7	542.0	502.8
22446.9	62.5°	17222.9	9994.6	940.8	649.4	606.8	610.2	591.4	552.2	480.6	434.6
24125.7	65°	18310.3	9817.3	741.4	560.7	536.9	542.0	542.0	499.4	422.7	369.9
24216.1	67.5°	18187.6	8406.1	591.4	473.8	470.4	473.8	485.8	450.0	375.0	332.4
22371.9	70°	16754.2	6686.3	473.8	393.7	409.1	400.5	434.6	410.8	337.5	294.9
17343.9	72.5°	13671.0	4816.6	361.3	325.5	313.6	327.2	392.0	369.9	281.2	233.5
9186.7	75°	7988.5	2570.2	269.3	257.4	226.7	272.7	347.7	315.3	214.8	172.1
2815.7	77.5°	2600.9	896.5	197.7	189.2	168.7	219.9	296.6	265.9	175.6	136.4
824.9	80°	697.1	271.0	134.6	124.4	109.1	163.6	235.2	211.3	126.1	88.6
354.5	82.5°	279.5	114.2	78.4	69.9	59.7	112.5	185.8	170.4	93.7	56.2
110.8	85°	90.3	37.5	29.0	22.2	27.3	69.9	110.8	115.9	66.5	29.0
17.0	87.5°	11.9	5.1	5.1	6.8	5.1	11.9	34.1	32.4	18.7	3.4
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>
3921.8
3458.2
2798.6
2164.6
1767.5
1622.6
1573.2
1516.9
1438.5
1338.0
1228.9
1123.2
1039.7
983.4
940.8
944.2
913.6
843.7
775.5
717.6
678.3
651.1
599.9
557.3
497.7
431.2
364.7
325.5
289.7
228.4
167.0
131.2
86.9
56.2
22.2
0.0
0.0

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