

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: P948246

Luminaire Tested: **GALN-SB3B-835-U-T2R**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P948246  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB3B-835-U-T2R  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 80 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

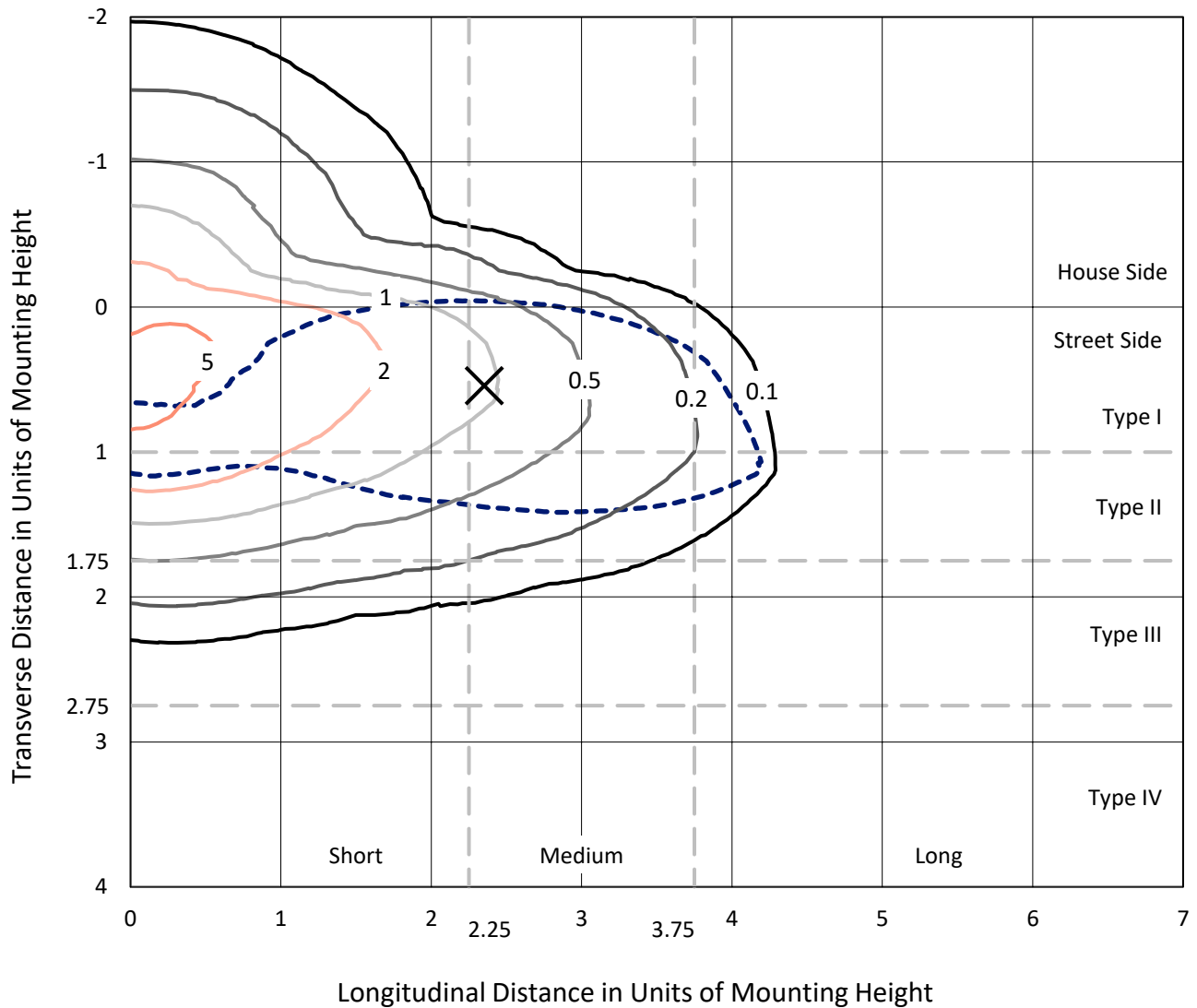
Lumens per Lamp: N/A  
Luminaire Lumens: 15962 lumens  
Efficiency: N/A  
Efficacy: 146.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 109.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

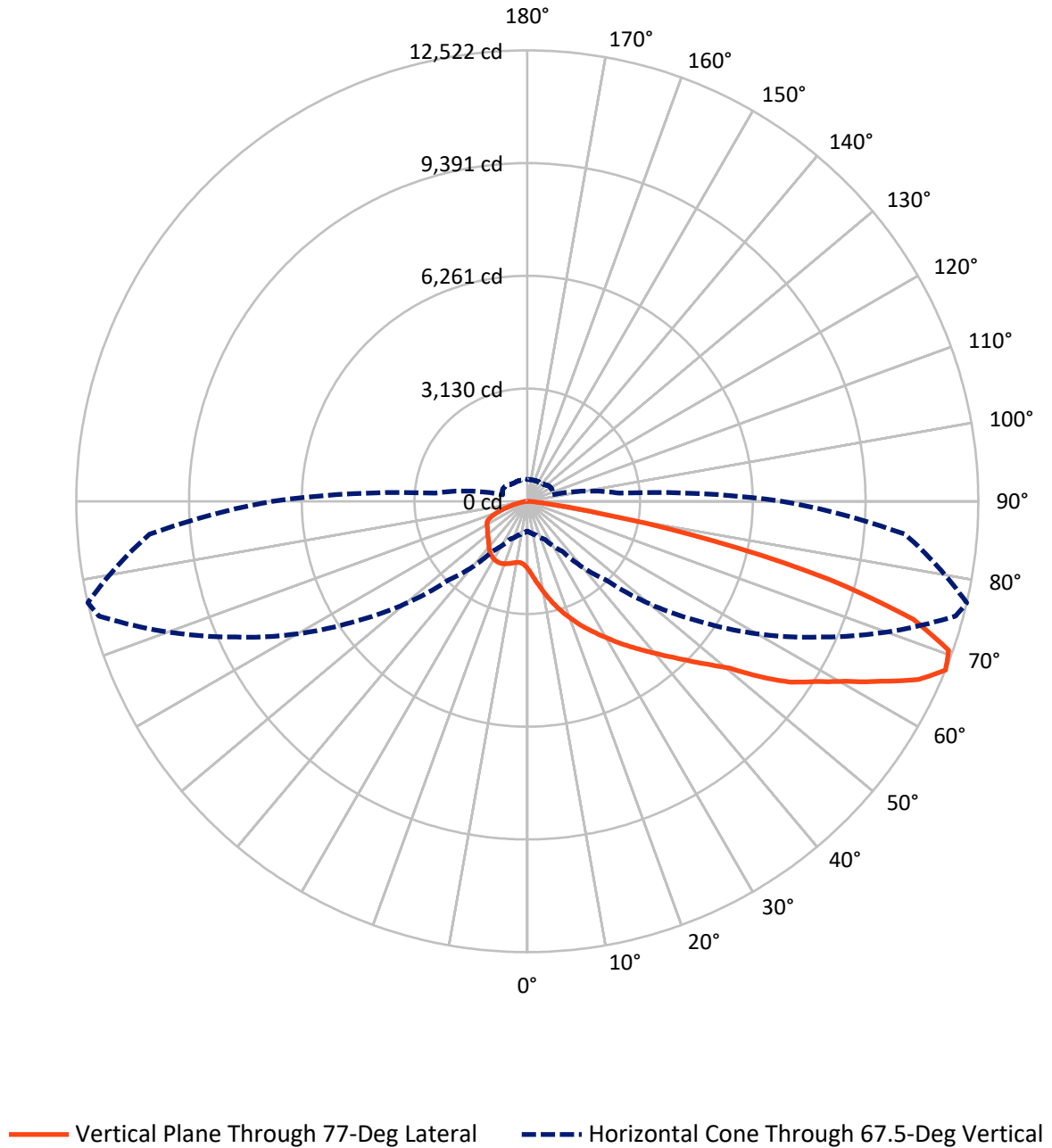
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 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	3019.4	0.0	3019.4
	% Fixture	18.9	0.0	18.9
<b>Street Side</b>	Lumens	12942.6	0.0	12942.6
	% Fixture	81.1	0.0	81.1
<b>Total</b>	Lumens	15962.0	0.0	15962.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	200.7	1.3
10°-20°	721.2	4.5
20°-30°	1361.7	8.5
30°-40°	2193.6	13.7
40°-50°	3000.5	18.8
50°-60°	3384.6	21.2
60°-70°	3159.1	19.8
70°-80°	1731.7	10.8
80°-90°	208.9	1.3
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°	15962.0	100.0
0°-180°	15962.0	100.0

**Coefficient of Utilization**



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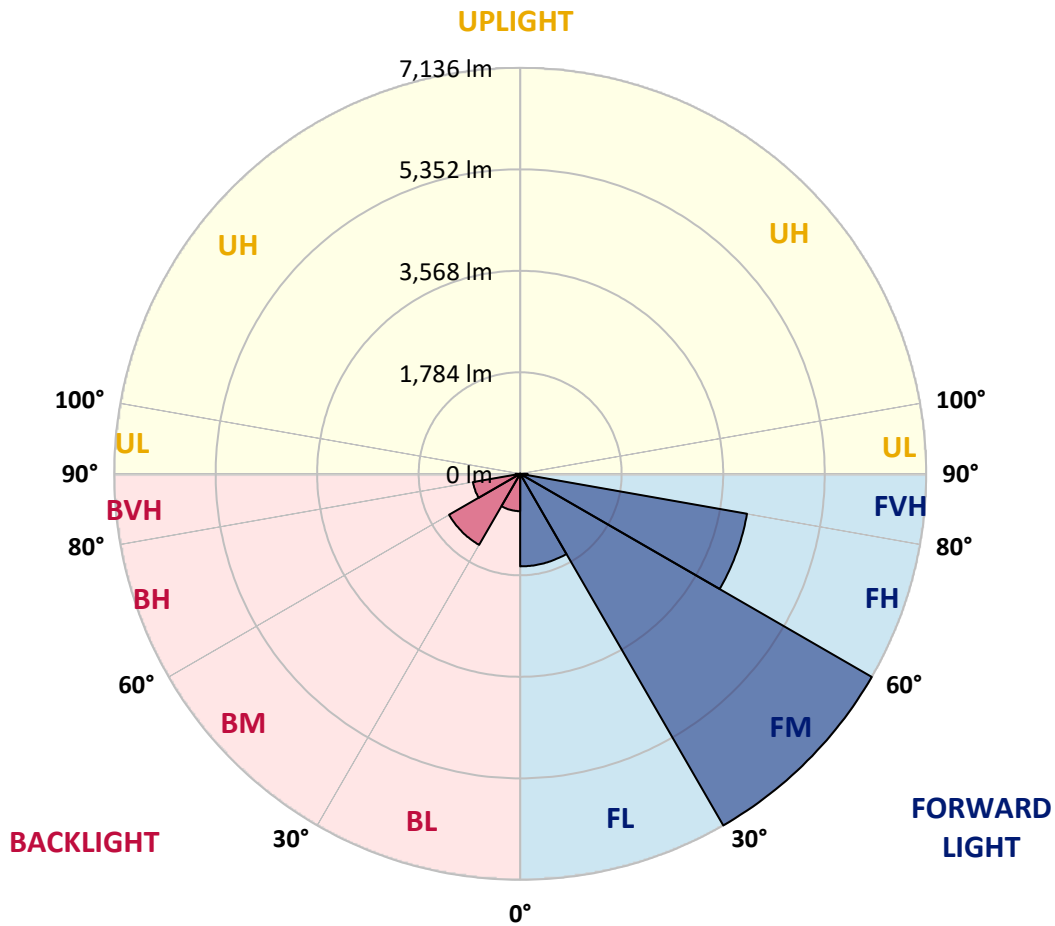
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1627.1	10.2			
FM (30°-60°)	7136.4	44.7			
FH (60°-80°)	4048.4	25.4			G2/5000
FVH (80°-90°)	130.6	0.8			G2/225
BL (0°-30°)	656.5	4.1	B2/1000		
BM (30°-60°)	1442.3	9.0	B2/2500		
BH (60°-80°)	842.4	5.3	B2/1000		G2/1000
BVH (80°-90°)	78.2	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	1872.8	1872.8	1872.8	1872.8	1872.8	1872.8	1872.8	1872.8	1872.8	1872.8
2.5°	2345.0	2361.4	2340.8	2340.8	2271.6	2235.4	2166.2	2113.4	2018.7	2002.2
5°	2771.8	2792.4	2763.5	2751.2	2669.6	2594.6	2478.4	2363.9	2195.0	2177.7
7.5°	3102.2	3128.5	3103.0	3089.8	3017.3	2933.3	2797.3	2637.5	2399.3	2365.6
10°	3371.6	3375.7	3367.5	3372.4	3315.6	3246.4	3107.1	2920.9	2623.5	2577.3
12.5°	3524.0	3543.0	3559.5	3589.1	3579.2	3536.4	3411.2	3188.7	2860.8	2801.4
15°	3595.7	3628.7	3665.8	3734.1	3789.3	3800.1	3704.5	3476.2	3102.2	3030.5
17.5°	3621.3	3652.6	3711.1	3809.9	3928.6	4008.5	3965.7	3755.6	3341.1	3258.7
20°	3750.6	3759.7	3795.1	3889.0	4017.6	4150.2	4182.4	4024.2	3577.6	3484.5
22.5°	4027.5	4009.3	4019.2	4062.1	4154.4	4282.9	4356.2	4261.5	3820.7	3713.5
25°	4484.8	4432.0	4379.3	4329.9	4376.8	4449.3	4532.5	4498.8	4075.3	3939.3
27.5°	5062.3	4998.1	4881.9	4719.6	4662.7	4688.3	4725.4	4718.8	4310.9	4173.3
30°	5630.9	5555.9	5417.5	5182.6	5032.7	4965.1	4937.1	4918.2	4567.2	4420.5
32.5°	6084.9	6025.5	5889.6	5626.8	5409.2	5293.9	5200.8	5133.2	4834.9	4688.3
35°	6482.0	6426.8	6271.1	5984.3	5747.9	5625.1	5503.2	5359.0	5113.4	4965.1
37.5°	6844.6	6789.3	6575.9	6277.7	6039.6	5954.7	5845.9	5601.2	5392.8	5252.7
40°	7073.6	7061.3	6861.9	6524.0	6276.9	6234.8	6198.6	5882.2	5702.6	5572.4
42.5°	7132.1	7159.3	7001.1	6723.4	6487.8	6454.0	6538.9	6200.2	6050.3	5925.8
45°	6991.2	7069.5	6965.7	6777.0	6637.7	6619.6	6840.4	6547.9	6435.1	6321.3
47.5°	6634.4	6767.1	6724.3	6697.9	6678.1	6756.4	7105.7	6917.1	6870.9	6772.0
50°	5914.3	6165.6	6240.6	6407.0	6598.2	6862.7	7347.2	7320.0	7380.1	7280.4
52.5°	4669.3	5015.4	5450.4	5867.3	6352.7	6827.3	7612.5	7898.4	8152.2	8097.8
55°	3854.4	4010.2	4344.7	5109.3	5876.4	6678.1	7731.9	8365.6	8918.4	8869.8
57.5°	3228.2	3367.5	3573.5	4212.0	5156.3	6339.5	7806.1	8650.7	9443.3	9438.3
60°	2556.7	2704.2	2915.1	3367.5	4315.0	5754.5	7789.6	8975.3	10113.2	10154.4
62.5°	1798.7	1961.0	2195.0	2616.9	3455.6	4996.4	7453.5	9210.1	10901.7	11013.7
65°	1182.4	1289.5	1465.8	1830.0	2574.8	4021.7	6811.6	9240.6	11745.4	11934.9
67.5°	828.9	870.1	973.9	1171.7	1697.3	3084.0	5789.1	8925.0	12308.2	12521.6
70°	646.8	667.4	720.1	799.2	1066.2	2073.9	4436.1	8104.4	12187.9	12410.3
72.5°	558.6	578.4	598.2	608.1	715.2	1280.4	3004.9	6776.2	11054.9	11205.7
75°	506.7	511.7	528.2	524.9	545.5	830.5	1734.4	4937.1	8722.3	8670.4
77.5°	426.0	432.6	459.8	455.6	484.5	567.7	900.6	3186.2	5654.8	5302.1
80°	360.9	364.2	393.8	388.9	421.0	411.2	459.8	1624.0	2398.5	2031.9
82.5°	125.2	154.9	300.7	309.8	321.3	248.8	265.3	662.5	732.5	561.1
85°	61.0	65.1	153.3	217.5	216.7	125.2	129.4	236.5	230.7	181.3
87.5°	9.9	12.4	18.1	84.9	67.6	33.0	44.5	46.1	47.8	41.2
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°
1872.8	0°	1872.8	1872.8	1872.8	1872.8	1872.8	1872.8	1872.8	1872.8	1872.8	1872.8
1939.6	2.5°	1893.4	1852.2	1765.7	1685.8	1623.2	1563.0	1529.3	1500.4	1483.9	1480.6
2030.2	5°	1944.5	1859.7	1702.3	1569.6	1483.1	1418.8	1385.1	1363.6	1352.9	1346.3
2152.2	7.5°	2017.9	1893.4	1669.3	1518.5	1427.9	1381.8	1364.5	1361.2	1360.3	1361.2
2299.6	10°	2119.2	1948.6	1666.0	1506.2	1430.4	1404.8	1404.0	1404.8	1408.1	1409.0
2460.3	12.5°	2228.8	2005.5	1679.2	1516.9	1461.7	1447.7	1445.2	1444.4	1446.9	1448.5
2622.6	15°	2348.3	2080.5	1701.5	1540.0	1496.3	1481.5	1479.0	1474.0	1473.2	1472.4
2793.2	17.5°	2471.0	2154.6	1726.2	1564.7	1518.5	1497.9	1488.9	1477.3	1468.3	1465.8
2969.5	20°	2595.4	2228.0	1743.5	1577.0	1520.2	1491.3	1473.2	1453.4	1437.8	1428.7
3147.5	22.5°	2728.1	2304.6	1754.2	1573.7	1505.4	1465.8	1432.8	1409.8	1385.9	1370.2
3327.1	25°	2857.5	2371.3	1753.4	1556.4	1476.5	1426.3	1384.2	1354.6	1321.6	1305.1
3512.5	27.5°	2981.9	2431.5	1732.8	1526.0	1435.3	1379.3	1329.0	1293.6	1261.5	1245.8
3699.5	30°	3110.4	2481.7	1700.6	1481.5	1386.7	1324.9	1269.7	1239.2	1210.4	1195.6
3897.3	32.5°	3238.1	2527.9	1655.3	1426.3	1330.7	1271.4	1217.0	1189.0	1171.7	1171.7
4109.9	35°	3373.3	2560.0	1595.2	1362.0	1271.4	1214.5	1171.7	1155.2	1153.5	1143.6
4334.8	37.5°	3515.8	2580.6	1521.8	1296.1	1212.9	1159.3	1146.1	1126.3	1109.9	1088.4
4582.0	40°	3665.8	2601.2	1433.7	1227.7	1151.1	1121.4	1115.6	1089.3	1042.3	989.6
4862.1	42.5°	3847.8	2615.2	1342.2	1159.3	1086.0	1076.1	1084.3	1039.0	964.0	924.5
5199.9	45°	4058.8	2638.3	1258.2	1091.7	1019.2	1019.2	1053.8	994.5	932.7	908.0
5585.6	47.5°	4332.3	2691.8	1179.9	1017.6	957.4	973.9	986.3	941.0	906.3	875.9
6055.2	50°	4727.8	2820.4	1099.1	942.6	910.5	943.4	926.1	899.8	859.4	834.7
6801.7	52.5°	5218.9	2896.2	1027.5	875.0	870.1	903.0	878.3	853.6	823.1	790.2
7367.8	55°	5553.4	2910.2	967.3	825.6	842.9	839.6	830.5	808.3	791.8	748.1
7926.4	57.5°	5927.5	2938.2	917.9	795.9	825.6	789.3	786.0	767.1	745.7	716.0
8607.8	60°	6374.9	2981.9	875.0	784.4	810.8	756.4	739.9	732.5	711.1	696.2
9427.6	62.5°	6862.7	3021.4	831.4	786.0	793.5	724.3	699.5	697.1	683.9	678.9
10197.2	65°	7195.6	2913.5	777.0	784.4	766.3	691.3	660.0	659.2	648.4	646.8
10530.9	67.5°	7079.4	2571.5	703.7	761.3	738.3	658.3	623.7	620.4	606.4	607.3
10182.4	70°	6497.7	2083.8	602.3	704.5	703.7	628.7	585.8	575.1	556.2	559.5
8853.3	72.5°	5406.8	1544.1	466.4	609.7	648.4	601.5	542.2	524.9	501.0	504.3
6535.6	75°	3904.7	1049.7	339.5	463.9	564.4	569.3	499.3	469.7	440.8	445.8
3637.7	77.5°	1998.1	594.9	249.7	319.7	443.3	517.4	460.6	421.0	414.4	460.6
1048.9	80°	651.7	298.3	173.0	224.1	290.9	423.5	403.7	358.4	356.8	367.5
220.0	82.5°	194.5	126.1	111.2	147.5	160.7	324.6	348.5	271.1	233.2	245.5
73.3	85°	66.7	61.0	63.4	73.3	76.6	190.3	243.9	179.6	169.7	187.0
16.5	87.5°	15.7	21.4	18.1	16.5	16.5	46.1	94.8	75.0	103.8	69.2
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>
1872.8
1480.6
1345.5
1363.6
1409.8
1449.3
1471.6
1468.3
1432.0
1371.1
1305.1
1245.0
1194.7
1172.5
1141.2
1085.1
982.1
925.3
912.1
875.0
832.2
783.6
749.0
706.1
700.4
678.9
646.0
607.3
562.8
503.4
447.4
454.0
315.6
253.8
184.6
66.7
0.0

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