

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: P952236

Luminaire Tested: **GALN-SB6A-927-U-T2R**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P952236  
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-SB6A-927-U-T2R  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

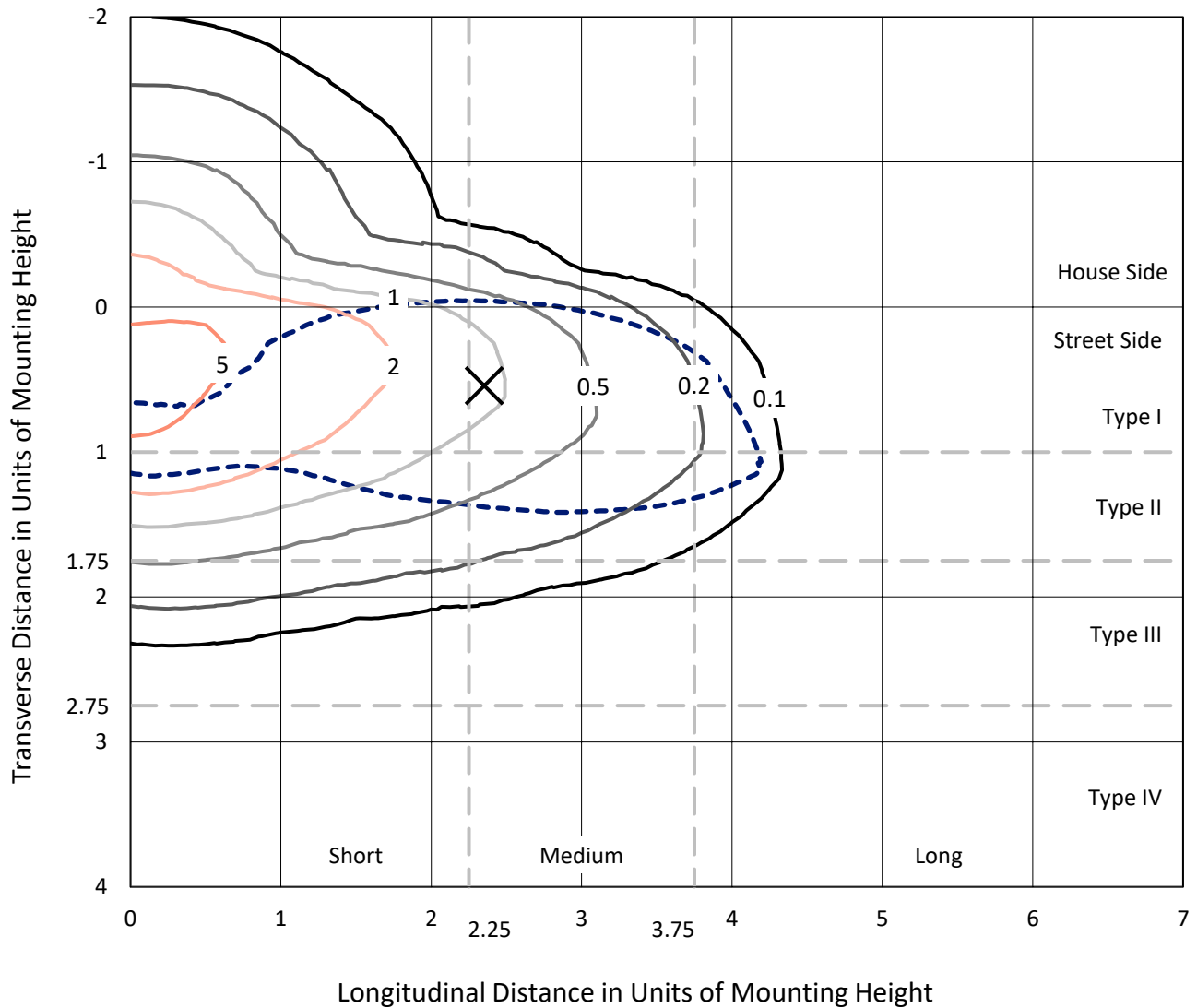
Lumens per Lamp: N/A  
Luminaire Lumens: 16865 lumens  
Efficiency: N/A  
Efficacy: 98.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 170.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

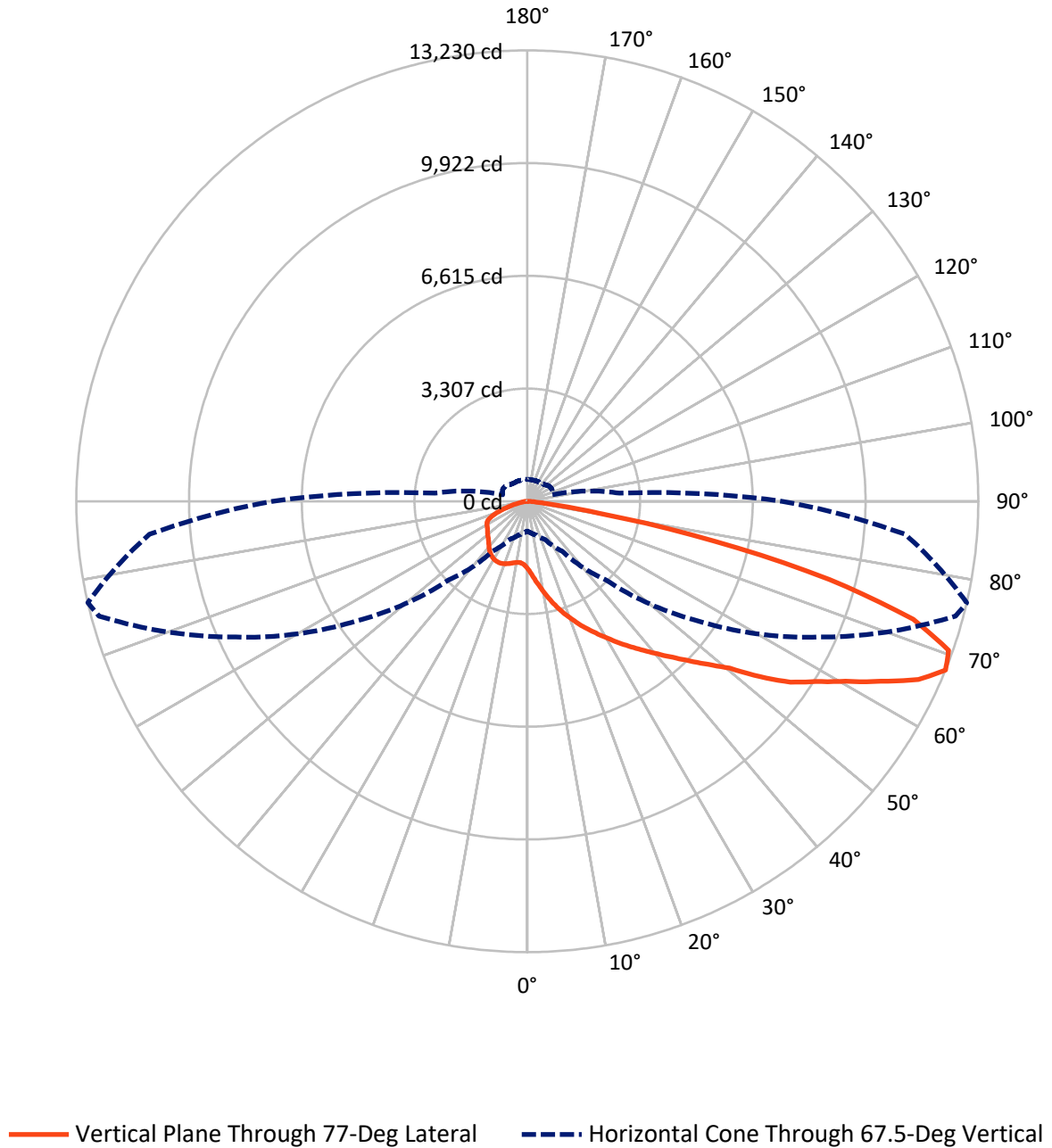
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 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	3190.2	0.0	3190.2
	% Fixture	18.9	0.0	18.9
<b>Street Side</b>	Lumens	13674.8	0.0	13674.8
	% Fixture	81.1	0.0	81.1
<b>Total</b>	Lumens	16865.0	0.0	16865.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	212.1	1.3
10°-20°	762.0	4.5
20°-30°	1438.7	8.5
30°-40°	2317.7	13.7
40°-50°	3170.2	18.8
50°-60°	3576.1	21.2
60°-70°	3337.8	19.8
70°-80°	1829.7	10.8
80°-90°	220.7	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°	16865.0	100.0
0°-180°	16865.0	100.0

**Coefficient of Utilization**



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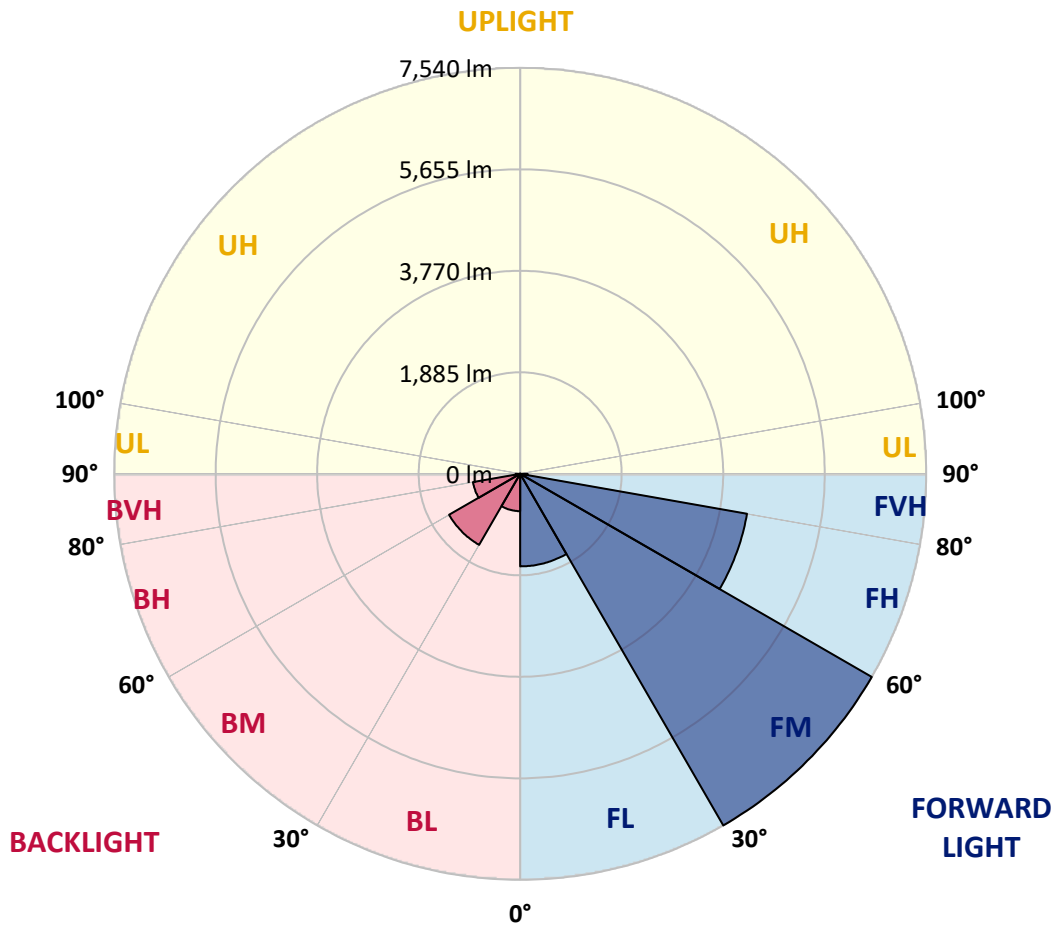
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1719.2	10.2			
FM (30°-60°)	7540.2	44.7			
FH (60°-80°)	4277.5	25.4			G2/5000
FVH (80°-90°)	138.0	0.8			G2/225
BL (0°-30°)	693.6	4.1	B2/1000		
BM (30°-60°)	1523.9	9.0	B2/2500		
BH (60°-80°)	890.0	5.3	B2/1000		G2/1000
BVH (80°-90°)	82.7	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°	1978.8	1978.8	1978.8	1978.8	1978.8	1978.8	1978.8	1978.8	1978.8	1978.8
2.5°	2477.6	2495.0	2473.3	2473.3	2400.1	2361.8	2288.7	2233.0	2132.9	2115.5
5°	2928.6	2950.3	2919.9	2906.8	2820.6	2741.4	2618.7	2497.6	2319.2	2300.9
7.5°	3277.7	3305.5	3278.5	3264.6	3188.0	3099.2	2955.6	2786.7	2535.1	2499.4
10°	3562.3	3566.7	3558.0	3563.2	3503.1	3430.0	3282.9	3086.1	2771.9	2723.1
12.5°	3723.4	3743.4	3760.8	3792.2	3781.7	3736.5	3604.1	3369.1	3022.6	2959.9
15°	3799.1	3834.0	3873.1	3945.4	4003.7	4015.0	3914.0	3672.9	3277.7	3201.9
17.5°	3826.1	3859.2	3921.0	4025.5	4150.8	4235.3	4190.0	3968.0	3530.1	3443.1
20°	3962.8	3972.4	4009.8	4109.1	4244.9	4385.0	4419.0	4251.8	3780.0	3681.6
22.5°	4255.3	4236.2	4246.6	4291.9	4389.4	4525.2	4602.7	4502.5	4036.8	3923.6
25°	4738.5	4682.8	4627.0	4574.8	4624.4	4701.0	4789.0	4753.3	4305.8	4162.2
27.5°	5348.7	5280.8	5158.1	4986.6	4926.5	4953.5	4992.7	4985.7	4554.8	4409.4
30°	5949.4	5870.2	5723.9	5475.8	5317.4	5246.0	5216.4	5196.4	4825.5	4670.6
32.5°	6429.1	6366.4	6222.8	5945.1	5715.2	5593.4	5495.0	5423.6	5108.5	4953.5
35°	6848.7	6790.4	6625.9	6322.9	6073.0	5943.3	5814.5	5662.1	5402.7	5246.0
37.5°	7231.8	7173.4	6948.0	6632.8	6381.2	6291.6	6176.6	5918.1	5697.8	5549.8
40°	7473.8	7460.7	7250.0	6893.1	6631.9	6587.5	6549.2	6214.9	6025.2	5887.6
42.5°	7535.6	7564.3	7397.2	7103.8	6854.8	6819.1	6908.8	6551.0	6392.5	6261.1
45°	7386.7	7469.4	7359.7	7160.4	7013.3	6994.1	7227.4	6918.4	6799.1	6679.0
47.5°	7009.8	7149.9	7104.7	7076.8	7055.9	7138.6	7507.7	7308.4	7259.6	7155.2
50°	6248.9	6514.4	6593.6	6769.5	6971.5	7250.9	7762.8	7734.1	7797.6	7692.3
52.5°	4933.5	5299.1	5758.8	6199.3	6712.0	7213.5	8043.1	8345.2	8613.3	8555.9
55°	4072.5	4237.0	4590.5	5398.4	6208.9	7055.9	8169.4	8838.8	9423.0	9371.6
57.5°	3410.9	3558.0	3775.6	4450.3	5448.0	6698.1	8247.7	9140.0	9977.5	9972.3
60°	2701.4	2857.2	3080.0	3558.0	4559.1	6080.0	8230.3	9483.0	10685.3	10728.8
62.5°	1900.4	2071.9	2319.2	2764.9	3651.1	5279.1	7875.1	9731.1	11518.4	11636.8
65°	1249.3	1362.4	1548.7	1933.5	2720.5	4249.2	7196.9	9763.4	12409.9	12610.1
67.5°	875.8	919.3	1029.0	1237.9	1793.4	3258.5	6116.6	9429.9	13004.5	13229.9
70°	683.4	705.2	760.9	844.4	1126.5	2191.2	4687.1	8562.9	12877.4	13112.4
72.5°	590.2	611.1	632.0	642.5	755.6	1352.9	3174.9	7159.5	11680.3	11839.6
75°	535.4	540.6	558.0	554.5	576.3	877.5	1832.5	5216.4	9215.8	9160.9
77.5°	450.1	457.0	485.8	481.4	511.9	599.8	951.5	3366.5	5974.7	5602.1
80°	381.3	384.8	416.1	410.9	444.9	434.4	485.8	1715.9	2534.2	2146.8
82.5°	132.3	163.7	317.8	327.3	339.5	262.9	280.3	699.9	773.9	592.9
85°	64.4	68.8	161.9	229.8	229.0	132.3	136.7	249.9	243.8	191.5
87.5°	10.4	13.1	19.2	89.7	71.4	34.8	47.0	48.8	50.5	43.5
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°
1978.8	0°	1978.8	1978.8	1978.8	1978.8	1978.8	1978.8	1978.8	1978.8	1978.8	1978.8
2049.3	2.5°	2000.6	1957.0	1865.6	1781.2	1715.0	1651.5	1615.8	1585.3	1567.9	1564.4
2145.1	5°	2054.5	1964.9	1798.6	1658.4	1567.0	1499.1	1463.4	1440.8	1429.5	1422.5
2273.9	7.5°	2132.0	2000.6	1763.8	1604.4	1508.7	1459.9	1441.7	1438.2	1437.3	1438.2
2429.7	10°	2239.1	2058.9	1760.3	1591.4	1511.3	1484.3	1483.4	1484.3	1487.8	1488.7
2599.5	12.5°	2354.9	2118.9	1774.2	1602.7	1544.4	1529.6	1527.0	1526.1	1528.7	1530.4
2771.0	15°	2481.1	2198.2	1797.7	1627.1	1580.9	1565.3	1562.7	1557.4	1556.6	1555.7
2951.2	17.5°	2610.8	2276.5	1823.8	1653.2	1604.4	1582.7	1573.1	1560.9	1551.3	1548.7
3137.5	20°	2742.3	2354.0	1842.1	1666.3	1606.2	1575.7	1556.6	1535.7	1519.1	1509.6
3325.5	22.5°	2882.4	2435.0	1853.4	1662.8	1590.5	1548.7	1513.9	1489.5	1464.3	1447.7
3515.3	25°	3019.1	2505.5	1852.6	1644.5	1560.0	1506.9	1462.5	1431.2	1396.4	1379.0
3711.2	27.5°	3150.6	2569.0	1830.8	1612.3	1516.5	1457.3	1404.2	1366.8	1332.8	1316.3
3908.8	30°	3286.4	2622.1	1796.8	1565.3	1465.2	1399.9	1341.5	1309.3	1278.9	1263.2
4117.8	32.5°	3421.3	2670.9	1749.0	1506.9	1406.0	1343.3	1285.8	1256.2	1237.9	1237.9
4342.4	35°	3564.1	2704.8	1685.4	1439.0	1343.3	1283.2	1237.9	1220.5	1218.8	1208.3
4580.0	37.5°	3714.7	2726.6	1607.9	1369.4	1281.5	1224.9	1211.0	1190.1	1172.6	1150.0
4841.2	40°	3873.1	2748.4	1514.8	1297.1	1216.2	1184.8	1178.7	1150.9	1101.3	1045.5
5137.2	42.5°	4065.5	2763.2	1418.1	1224.9	1147.4	1137.0	1145.7	1097.8	1018.6	976.8
5494.1	45°	4288.4	2787.5	1329.3	1153.5	1076.9	1076.9	1113.4	1050.8	985.5	959.4
5901.5	47.5°	4577.4	2844.1	1246.6	1075.1	1011.6	1029.0	1042.1	994.2	957.6	925.4
6397.8	50°	4995.3	2979.9	1161.3	995.9	962.0	996.8	978.5	950.7	908.0	881.9
7186.5	52.5°	5514.1	3060.0	1085.6	924.5	919.3	954.1	928.0	901.9	869.7	834.9
7784.6	55°	5867.6	3074.8	1022.0	872.3	890.6	887.1	877.5	854.0	836.6	790.5
8374.8	57.5°	6262.8	3104.4	969.8	841.0	872.3	834.0	830.5	810.5	787.9	756.5
9094.8	60°	6735.5	3150.6	924.5	828.8	856.6	799.2	781.8	773.9	751.3	735.6
9961.0	62.5°	7250.9	3192.4	878.4	830.5	838.4	765.2	739.1	736.5	722.6	717.3
10774.1	65°	7602.6	3078.3	820.9	828.8	809.6	730.4	697.3	696.4	685.1	683.4
11126.7	67.5°	7479.9	2717.0	743.5	804.4	780.0	695.6	659.0	655.5	640.7	641.6
10758.4	70°	6865.3	2201.7	636.4	744.3	743.5	664.2	619.0	607.7	587.6	591.1
9354.2	72.5°	5712.6	1631.4	492.7	644.2	685.1	635.5	572.8	554.5	529.3	532.8
6905.3	75°	4125.6	1109.1	358.7	490.1	596.3	601.6	527.6	496.2	465.8	471.0
3843.5	77.5°	2111.1	628.5	263.8	337.8	468.4	546.7	486.6	444.9	437.9	486.6
1108.2	80°	688.6	315.1	182.8	236.8	307.3	447.5	426.6	378.7	377.0	388.3
232.4	82.5°	205.5	133.2	117.5	155.8	169.8	343.0	368.2	286.4	246.4	259.4
77.5	85°	70.5	64.4	67.0	77.5	81.0	201.1	257.7	189.8	179.3	197.6
17.4	87.5°	16.5	22.6	19.2	17.4	17.4	48.8	100.1	79.2	109.7	73.1
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>
1978.8
1564.4
1421.6
1440.8
1489.5
1531.3
1554.8
1551.3
1513.0
1448.6
1379.0
1315.4
1262.3
1238.8
1205.7
1146.5
1037.7
977.6
963.7
924.5
879.3
827.9
791.3
746.1
740.0
717.3
682.5
641.6
594.6
531.9
472.7
479.7
333.4
268.1
195.0
70.5
0.0

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