

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: P954015

Luminaire Tested: **GALN-SB7B-927-U-SL3**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P954015  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB7B-927-U-SL3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
SPILL LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

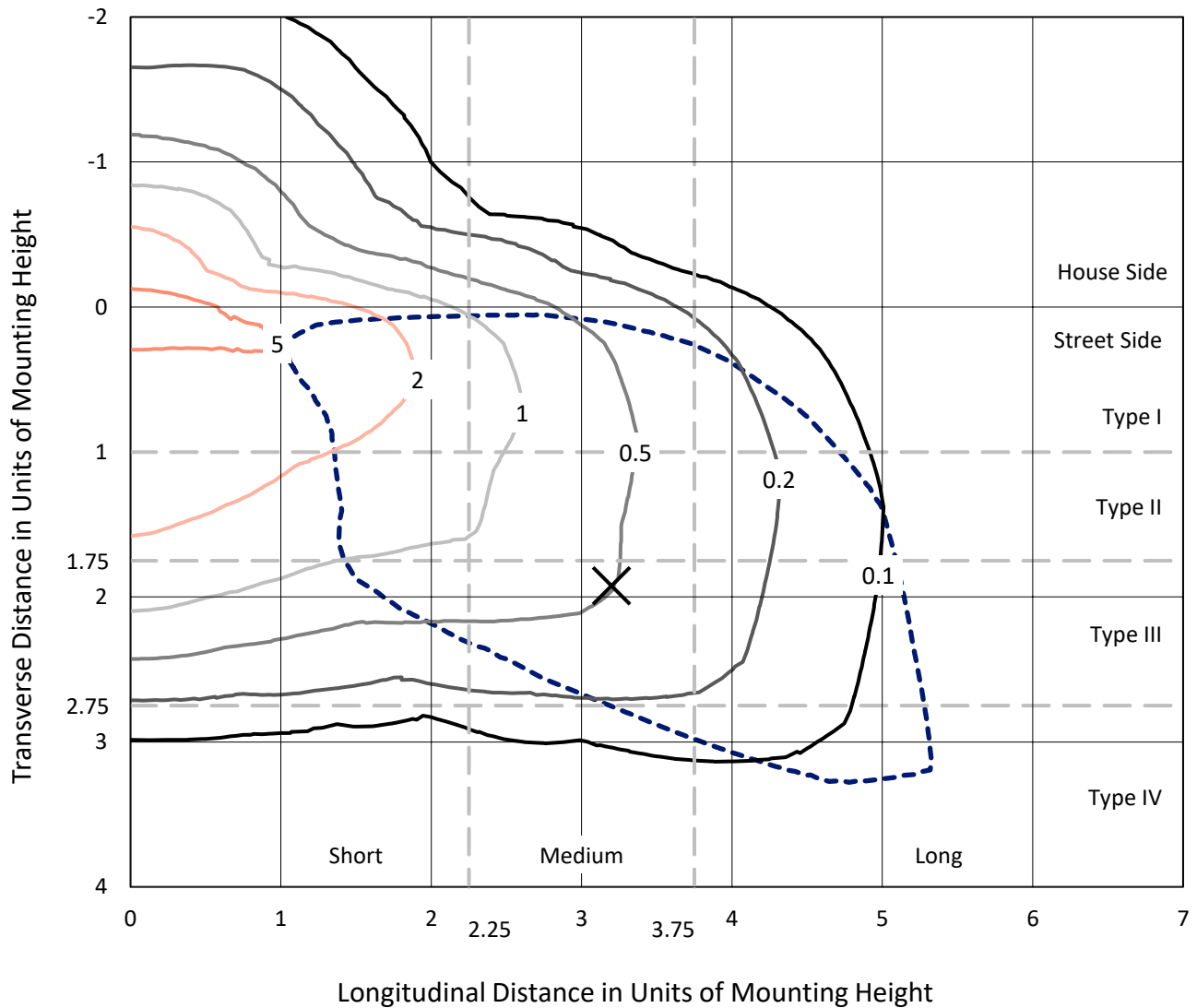
Lumens per Lamp: N/A  
Luminaire Lumens: 23823 lumens  
Efficiency: N/A  
Efficacy: 92.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 256.7  
Input Voltage (V): NR  
Input Current (Ain): 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

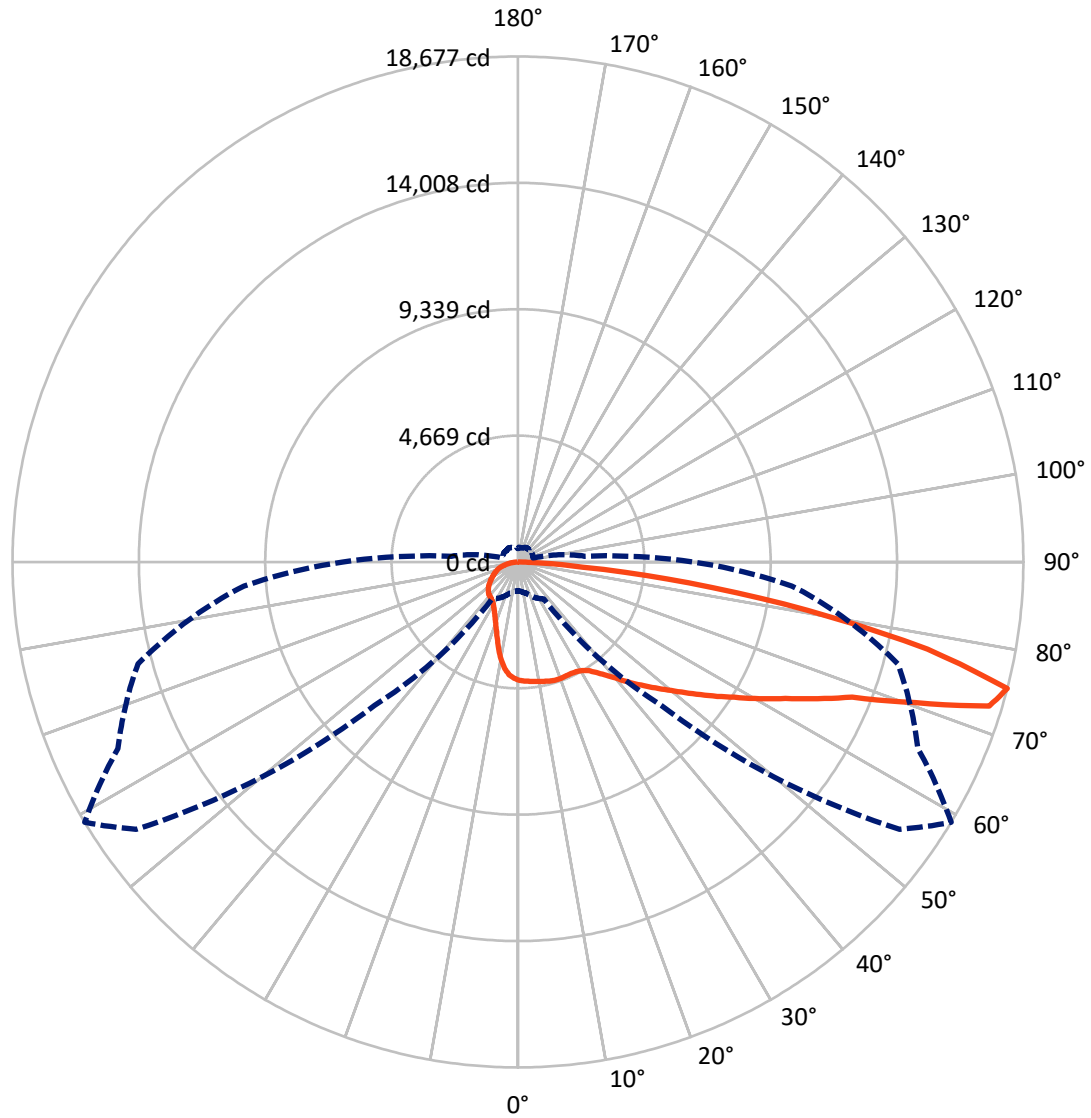
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral    - - - Horizontal Cone Through 75-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4468.2	0.0	4468.2
	% Fixture	18.8	0.0	18.8
<b>Street Side</b>	Lumens	19354.8	0.0	19354.8
	% Fixture	81.2	0.0	81.2
<b>Total</b>	Lumens	23823.0	0.0	23823.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	392.1	1.6
10°-20°	1002.2	4.2
20°-30°	1522.2	6.4
30°-40°	2262.8	9.5
40°-50°	3365.1	14.1
50°-60°	4567.7	19.2
60°-70°	5576.5	23.4
70°-80°	4376.3	18.4
80°-90°	758.1	3.2
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°	23823.0	100.0
0°-180°	23823.0	100.0



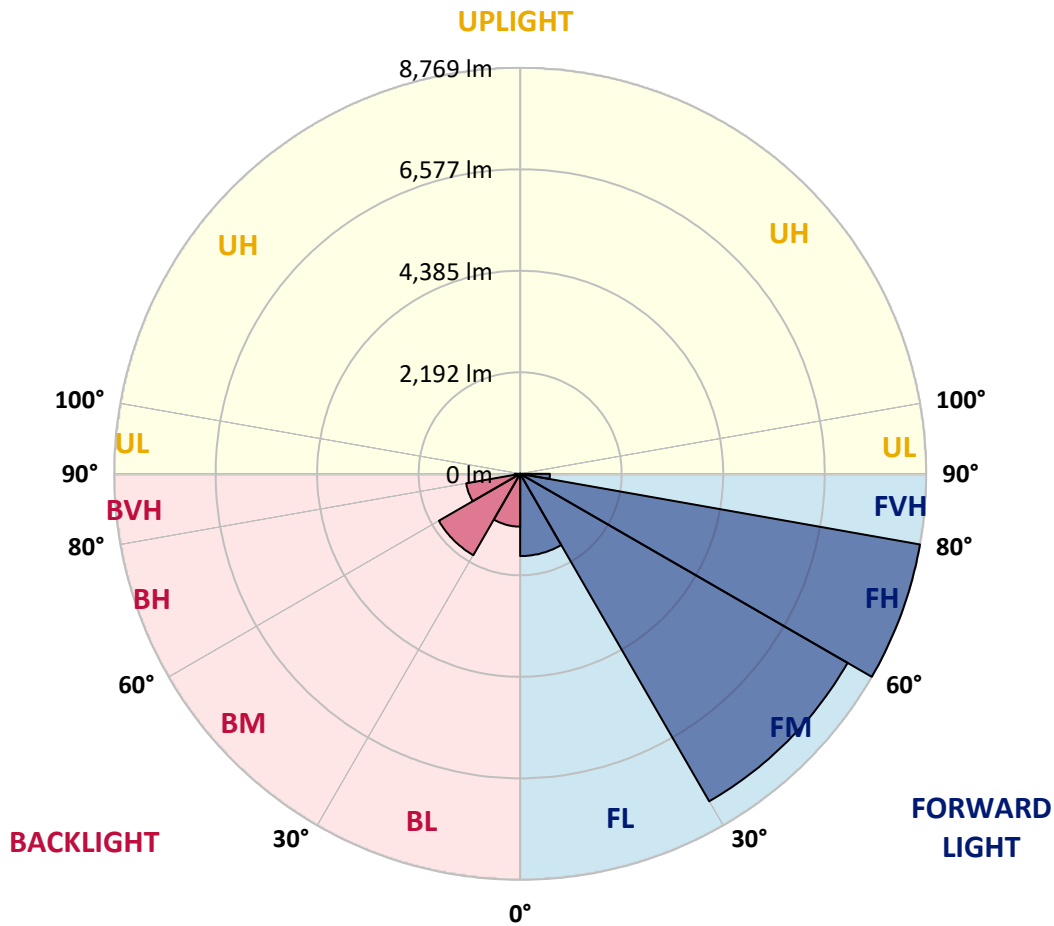
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1776.3	7.5			
FM (30°-60°)	8167.5	34.3			
FH (60°-80°)	8769.0	36.8			G4/12000
FVH (80°-90°)	642.0	2.7			G4/750
BL (0°-30°)	1140.2	4.8	B3/2500		
BM (30°-60°)	2028.1	8.5	B2/2500		
BH (60°-80°)	1183.8	5.0	B3/2500		G3/2500
BVH (80°-90°)	116.0	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G4**

Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°
0°	4372.7	4372.7	4372.7	4372.7	4372.7	4372.7	4372.7	4372.7	4372.7	4372.7
2.5°	4409.8	4394.4	4409.8	4403.4	4400.9	4395.7	4397.0	4406.0	4400.9	4407.3
5°	4380.3	4371.4	4386.8	4382.9	4399.6	4402.1	4418.8	4429.0	4435.5	4436.7
7.5°	4331.6	4322.7	4344.5	4362.4	4398.3	4408.5	4443.1	4459.8	4468.8	4484.2
10°	4153.5	4149.7	4203.5	4271.4	4356.0	4408.5	4461.1	4489.3	4503.4	4544.4
12.5°	3838.3	3843.4	3913.9	4044.6	4213.7	4382.9	4481.6	4522.6	4544.4	4595.6
15°	3537.1	3535.8	3612.7	3752.4	3989.5	4270.1	4491.8	4562.3	4599.5	4675.1
17.5°	3362.8	3357.7	3411.5	3517.9	3738.3	4097.1	4466.2	4584.1	4663.6	4758.4
20°	3330.8	3320.5	3348.7	3401.2	3557.6	3907.5	4399.6	4584.1	4714.8	4837.9
22.5°	3447.4	3430.7	3419.2	3412.8	3482.0	3751.1	4324.0	4568.7	4790.4	4951.9
25°	3681.9	3656.3	3597.3	3539.6	3519.1	3680.6	4257.3	4564.9	4903.2	5105.7
27.5°	4061.2	4029.2	3910.0	3771.6	3647.3	3716.5	4227.8	4588.0	5027.5	5268.5
30°	4531.6	4497.0	4347.0	4134.3	3911.3	3849.8	4265.0	4655.9	5186.4	5485.0
32.5°	4953.2	4914.8	4786.6	4570.0	4268.9	4080.5	4382.9	4785.3	5436.3	5786.2
35°	5327.4	5282.6	5167.2	4967.3	4707.1	4404.7	4595.6	5014.7	5791.3	6275.8
37.5°	5693.9	5641.4	5515.8	5304.3	5122.4	4836.6	4889.1	5309.5	6262.9	6870.4
40°	6104.0	6028.4	5875.9	5667.0	5490.2	5342.8	5274.9	5670.9	6742.2	7534.2
42.5°	6501.3	6429.6	6247.6	6069.4	5847.7	5805.4	5722.1	6093.8	7266.4	8263.5
45°	6929.4	6843.5	6623.1	6397.5	6257.8	6113.0	6155.3	6516.7	7780.3	9006.8
47.5°	7330.5	7234.4	6974.2	6723.0	6646.1	6371.9	6552.6	6981.9	8314.7	9760.3
50°	7547.1	7452.2	7235.6	7008.8	6948.6	6691.0	6983.2	7493.2	8874.8	10511.3
52.5°	7727.8	7625.2	7342.0	7216.4	7198.5	7038.3	7513.7	8077.6	9434.8	11175.1
55°	7920.0	7805.9	7444.5	7331.8	7413.8	7427.9	8143.0	8740.2	10026.9	11822.3
57.5°	8141.7	7996.9	7543.2	7429.2	7624.0	7884.1	8865.8	9427.1	10608.7	12422.1
60°	8350.6	8204.5	7732.9	7584.2	7850.8	8413.4	9694.9	10258.8	11267.4	12956.5
62.5°	8391.6	8271.1	7884.1	7882.8	8158.4	9031.1	10676.6	11098.2	11842.8	13484.5
65°	7681.6	7606.0	7376.6	7871.3	8599.2	9920.5	11769.8	12172.2	12574.6	13945.9
67.5°	5846.4	5856.7	5840.0	6794.8	8242.9	11198.2	13352.5	13321.7	13478.1	14463.6
70°	2673.3	2733.6	3125.7	4690.5	6603.8	11345.6	15969.4	15570.9	14612.3	15133.9
72.5°	1444.3	1490.4	1650.6	2272.2	3970.3	10087.1	17925.1	18208.3	16120.7	15585.0
75°	1059.8	1085.5	1197.0	1444.3	1667.3	7497.1	17224.1	18677.4	16309.0	14532.8
77.5°	793.3	804.8	895.8	1144.4	853.5	3952.3	13762.6	15468.3	13961.2	11940.2
80°	575.4	588.2	656.2	858.6	598.5	1445.6	9450.2	10857.3	9561.7	7611.1
82.5°	397.3	402.4	431.9	584.4	417.8	561.3	5362.0	6366.8	5337.7	2670.8
85°	239.7	246.1	258.9	340.9	237.1	266.6	2314.5	2393.9	1595.5	638.2
87.5°	98.7	105.1	115.3	143.5	93.6	74.3	381.9	479.3	298.6	187.1
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°
4372.7	0°	4372.7	4372.7	4372.7	4372.7	4372.7	4372.7	4372.7	4372.7	4372.7	4372.7
4385.5	2.5°	4379.1	4370.1	4345.7	4312.4	4281.7	4243.2	4226.6	4212.5	4199.6	4175.3
4420.1	5°	4406.0	4381.6	4316.3	4231.7	4135.6	4030.5	3928.0	3857.5	3797.2	3752.4
4459.8	7.5°	4447.0	4400.9	4281.7	4108.7	3888.2	3662.7	3458.9	3314.1	3205.2	3165.4
4516.2	10°	4489.3	4434.2	4226.6	3921.6	3540.9	3193.6	2923.2	2774.6	2687.4	2659.2
4582.8	12.5°	4539.3	4458.5	4140.7	3661.4	3152.6	2772.0	2536.2	2449.0	2404.2	2388.8
4664.9	15°	4612.3	4479.0	4011.3	3335.9	2782.3	2464.4	2311.9	2251.7	2228.6	2227.3
4749.4	17.5°	4667.4	4482.9	3810.1	2987.3	2497.7	2278.6	2153.0	2129.9	2145.3	2168.4
4832.7	20°	4728.9	4448.3	3546.1	2669.5	2297.8	2115.8	2063.3	2078.7	2115.8	2149.2
4942.9	22.5°	4772.5	4385.5	3227.0	2422.1	2124.8	2022.3	2019.7	2051.8	2072.3	2088.9
5072.4	25°	4810.9	4279.1	2888.6	2214.5	1982.6	1965.9	1994.1	1983.8	1969.7	1983.8
5201.8	27.5°	4839.1	4111.2	2586.2	2032.5	1882.6	1927.5	1910.8	1887.7	1886.4	1894.1
5354.3	30°	4830.2	3887.0	2337.6	1859.5	1812.1	1855.7	1816.0	1812.1	1808.3	1812.1
5583.7	32.5°	4830.2	3631.9	2146.6	1740.3	1767.3	1750.6	1746.8	1737.8	1722.4	1721.1
5895.1	35°	4857.1	3376.9	1982.6	1676.3	1730.1	1690.4	1692.9	1671.1	1639.1	1623.7
6307.8	37.5°	4912.2	3171.8	1819.8	1645.5	1664.7	1663.5	1653.2	1616.0	1559.6	1511.0
6823.0	40°	5045.5	3111.6	1708.3	1631.4	1634.0	1649.4	1622.4	1550.7	1422.5	1343.1
7345.9	42.5°	5254.4	3212.9	1684.0	1596.8	1613.5	1628.9	1576.3	1409.7	1318.7	1271.3
7894.4	45°	5519.6	3389.7	1736.5	1546.8	1564.8	1591.7	1435.3	1355.9	1314.9	1316.2
8437.7	47.5°	5855.4	3575.5	1833.9	1503.3	1494.3	1509.7	1341.8	1293.1	1236.7	1250.8
8959.3	50°	6243.7	3763.9	1926.2	1444.3	1416.1	1366.1	1281.6	1235.4	1163.7	1130.3
9463.0	52.5°	6664.1	3945.9	1963.3	1372.5	1331.5	1273.9	1240.5	1184.2	1097.0	1041.9
9938.4	55°	7062.6	4111.2	1922.3	1286.7	1247.0	1202.1	1197.0	1162.4	1068.8	991.9
10361.4	57.5°	7439.4	4249.6	1819.8	1199.5	1161.1	1134.2	1168.8	1152.1	1034.2	935.5
10761.2	60°	7758.5	4344.5	1671.1	1111.1	1084.2	1070.1	1122.6	1117.5	985.5	875.3
11120.0	62.5°	8012.3	4381.6	1507.1	1026.5	1020.1	994.5	1058.6	1058.6	924.0	816.3
11435.3	65°	8210.9	4345.7	1340.5	943.2	956.0	917.6	980.4	972.7	858.6	763.8
11798.0	67.5°	8386.5	4227.8	1156.0	861.2	890.7	842.0	898.4	880.4	786.9	711.3
12112.0	70°	8464.7	3953.6	945.8	779.2	815.1	767.7	816.3	783.0	706.1	654.9
11767.2	72.5°	7836.7	3285.9	744.6	693.3	724.1	685.6	727.9	689.5	619.0	595.9
10161.4	75°	6483.4	2465.7	572.9	599.8	622.8	593.4	621.6	593.4	529.3	545.9
7506.1	77.5°	4708.4	1664.7	438.3	501.1	511.3	496.0	520.3	488.3	430.6	426.8
3740.9	80°	2341.4	975.3	343.5	396.0	392.2	381.9	410.1	394.7	346.0	366.5
1009.9	82.5°	677.9	417.8	249.9	278.1	270.4	273.0	293.5	301.2	451.1	447.3
314.0	85°	212.7	164.0	149.9	155.1	147.4	151.2	173.0	343.5	317.8	185.8
97.4	87.5°	55.1	56.4	37.2	39.7	41.0	48.7	55.1	208.9	100.0	65.4
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>
4372.7
4163.8
3715.2
3096.2
2615.6
2392.7
2232.5
2177.4
2160.7
2097.9
1992.8
1907.0
1826.2
1737.8
1639.1
1527.6
1353.3
1271.3
1322.6
1286.7
1139.3
1040.6
991.9
930.4
871.5
812.5
758.7
706.1
644.6
576.7
498.5
407.5
362.7
457.5
201.2
69.2
0.0

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