

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: P952585

Luminaire Tested: **GALN-SB6B-927-U-SL2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952585
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-SB6B-927-U-SL2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20659 lumens
Efficiency: N/A
Efficacy: 93.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

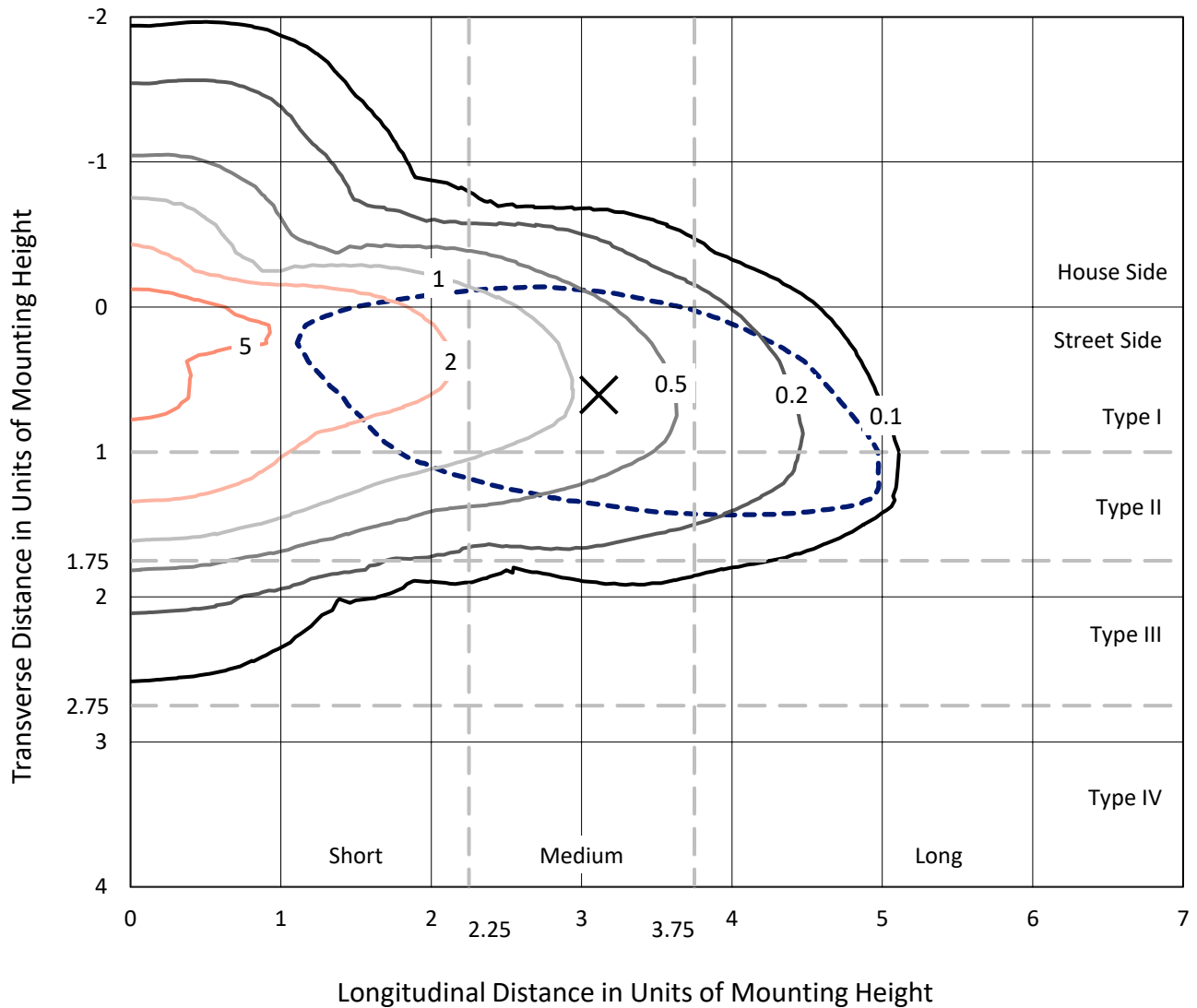
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P952585
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Iso-Footcandle Lines of Horizontal Illumination

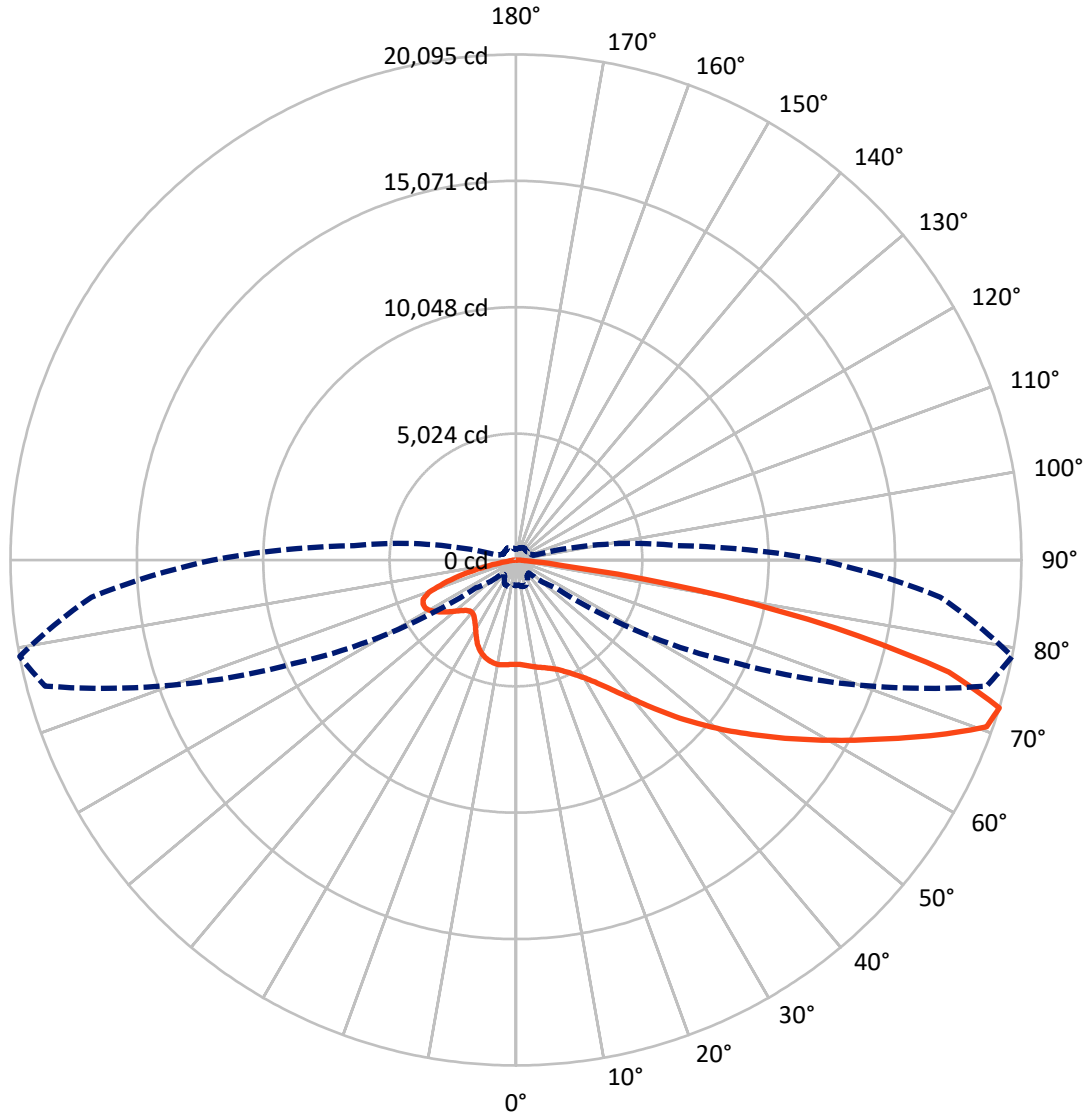
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.7 fc
 Type II - Medium - N/A

REPORT NUMBER: P952585
CATALOG NUMBER: GALN-SB6B-927-U-SL2

Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P952585

CATALOG NUMBER: GALN-SB6B-927-U-SL2

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4546.1	0.0	4546.1
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	16112.9	0.0	16112.9
	% Fixture	78.0	0.0	78.0
Total	Lumens	20659.0	0.0	20659.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	376.4	1.8
10°-20°	984.2	4.8
20°-30°	1588.1	7.7
30°-40°	2383.5	11.5
40°-50°	3381.1	16.4
50°-60°	4269.9	20.7
60°-70°	4336.7	21.0
70°-80°	2955.6	14.3
80°-90°	383.5	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°	20659.0	100.0
0°-180°	20659.0	100.0

Coefficient of Utilization



REPORT NUMBER: P952585

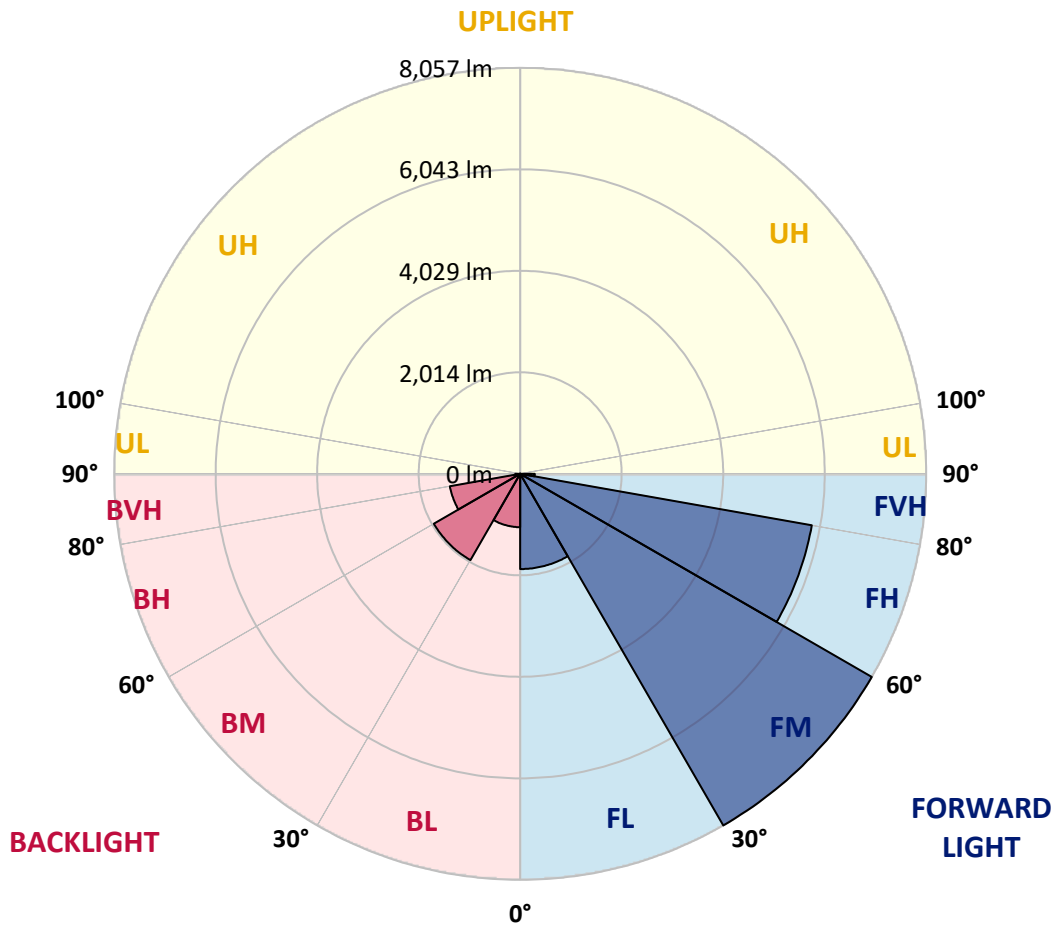
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1889.8	9.1			
FM (30°-60°)	8057.4	39.0			
FH (60°-80°)	5876.8	28.4			G3/7500
FVH (80°-90°)	288.9	1.4			G3/500
BL (0°-30°)	1058.9	5.1	B3/2500		
BM (30°-60°)	1977.1	9.6	B2/2500		
BH (60°-80°)	1415.5	6.9	B3/2500		G3/2500
BVH (80°-90°)	94.6	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



REPORT NUMBER: P952585

CATALOG NUMBER: GALN-SB6B-927-U-SL2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°
0°	4147.1	4147.1	4147.1	4147.1	4147.1	4147.1	4147.1	4147.1	4147.1	4147.1
2.5°	4149.3	4129.6	4141.6	4137.3	4142.7	4149.3	4151.5	4154.7	4165.7	4164.6
5°	4140.5	4120.9	4137.3	4131.8	4146.0	4161.3	4174.4	4186.4	4203.9	4211.6
7.5°	4122.0	4108.9	4125.2	4141.6	4167.9	4190.8	4209.4	4236.7	4261.8	4266.2
10°	4013.8	4003.9	4042.2	4084.8	4156.9	4219.2	4259.7	4291.3	4318.7	4323.0
12.5°	3901.2	3889.2	3931.8	3989.7	4106.7	4219.2	4304.5	4346.0	4370.0	4384.2
15°	3882.6	3872.8	3896.9	3947.1	4044.4	4189.7	4335.1	4411.6	4432.3	4448.7
17.5°	3972.3	3953.7	3963.5	3981.0	4037.8	4162.4	4359.1	4485.9	4517.6	4535.0
20°	4179.9	4153.7	4138.4	4103.4	4093.6	4166.8	4356.9	4575.5	4617.0	4638.8
22.5°	4456.4	4438.9	4406.1	4317.6	4221.4	4220.3	4398.4	4690.2	4767.8	4788.6
25°	4790.7	4764.5	4723.0	4602.8	4418.1	4326.3	4468.4	4836.6	4966.7	4972.1
27.5°	5175.4	5136.1	5079.2	4920.8	4671.6	4492.4	4575.5	5004.9	5195.1	5192.9
30°	5580.8	5541.5	5481.4	5289.1	4975.4	4716.4	4724.1	5186.3	5466.1	5454.1
32.5°	5877.0	5847.5	5835.4	5686.8	5325.1	4980.9	4894.6	5387.4	5800.5	5789.5
35°	6104.3	6066.0	6080.2	6004.8	5706.5	5277.0	5103.3	5626.7	6207.0	6205.9
37.5°	6329.4	6295.5	6307.5	6257.3	6059.5	5652.9	5357.9	5919.6	6710.8	6734.8
40°	6534.8	6498.8	6546.8	6499.9	6333.7	6052.9	5647.5	6250.7	7294.3	7340.2
42.5°	6658.3	6629.9	6709.7	6710.8	6572.0	6390.6	5965.5	6615.7	7969.6	8072.4
45°	6700.9	6691.1	6811.3	6836.4	6782.9	6586.2	6251.8	7013.5	8697.4	8881.0
47.5°	6655.0	6636.4	6802.6	6895.4	6938.1	6678.0	6488.9	7444.0	9440.5	9709.3
50°	6423.4	6387.3	6634.3	6829.9	6981.8	6738.1	6728.2	7941.2	10285.2	10579.2
52.5°	6007.0	5979.7	6260.5	6600.4	6885.6	6767.6	6997.1	8484.3	11087.3	11467.6
55°	5474.8	5438.8	5748.0	6191.7	6646.3	6757.7	7265.9	9091.9	12033.7	12419.4
57.5°	4631.2	4559.1	4950.3	5474.8	6256.2	6745.7	7545.6	9696.2	12995.3	13457.6
60°	3400.7	3293.6	3773.4	4395.2	5493.4	6628.8	7892.1	10373.8	14149.3	14565.7
62.5°	1980.1	1917.8	2231.5	2811.7	4140.5	5940.3	8086.6	11161.6	15283.6	15720.7
65°	1537.5	1520.1	1547.4	1592.2	2304.7	4447.6	7486.6	11929.9	16726.1	17032.1
67.5°	1406.4	1393.3	1405.3	1321.2	1169.3	2477.3	5922.9	12124.4	18271.3	18457.0
70°	1250.1	1234.8	1274.2	1202.1	920.1	1126.7	3826.9	11418.5	19500.6	19849.2
72.5°	1018.5	1001.0	1092.8	1060.0	774.8	723.4	1922.2	9741.0	19371.7	20095.1
75°	782.4	772.6	881.9	909.2	631.6	569.3	922.3	7240.8	17047.4	17776.2
77.5°	607.6	599.9	655.7	755.1	509.2	441.5	567.2	4593.0	12846.7	12974.6
80°	455.7	433.8	485.2	584.6	396.7	322.4	384.7	2678.4	8120.4	7361.0
82.5°	285.2	274.3	316.9	390.1	279.8	221.8	250.2	1479.6	3254.3	1916.7
85°	162.8	158.5	172.7	222.9	151.9	127.9	143.2	653.5	594.5	408.7
87.5°	65.6	63.4	78.7	99.4	55.7	47.0	50.3	157.4	131.1	121.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P952585
 CATALOG NUMBER: GALN-SB6B-927-U-SL2

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
4147.1	0°	4147.1	4147.1	4147.1	4147.1	4147.1	4147.1	4147.1	4147.1	4147.1	4147.1
4163.5	2.5°	4159.1	4159.1	4143.8	4119.8	4092.5	4075.0	4046.6	4038.9	4009.4	4000.7
4200.6	5°	4209.4	4200.6	4153.7	4085.9	3993.0	3907.8	3813.8	3754.8	3671.7	3642.2
4273.9	7.5°	4272.8	4248.7	4167.9	4019.2	3824.7	3633.5	3434.6	3283.8	3139.6	3088.2
4334.0	10°	4330.7	4296.8	4159.1	3899.0	3562.5	3231.3	2914.4	2692.6	2524.3	2455.5
4400.6	12.5°	4388.6	4326.3	4101.2	3699.1	3189.8	2740.7	2403.0	2230.4	2126.5	2043.5
4455.3	15°	4443.2	4355.8	4011.6	3431.3	2781.1	2325.4	2076.3	1938.6	1855.5	1800.9
4535.0	17.5°	4506.6	4381.0	3877.2	3091.5	2392.1	2038.0	1834.8	1751.7	1735.3	1728.8
4644.3	20°	4595.1	4403.9	3700.2	2711.2	2105.8	1808.5	1703.6	1696.0	1694.9	1691.6
4775.4	22.5°	4690.2	4431.2	3466.3	2365.9	1862.1	1665.4	1646.8	1631.5	1621.7	1620.6
4933.9	25°	4802.8	4440.0	3173.4	2082.8	1654.5	1597.6	1575.8	1552.8	1546.3	1546.3
5114.2	27.5°	4912.0	4410.5	2832.5	1837.0	1537.5	1535.4	1506.9	1499.3	1498.2	1501.5
5319.7	30°	5021.3	4354.7	2493.7	1609.7	1469.8	1469.8	1460.0	1465.4	1469.8	1480.7
5601.6	32.5°	5168.8	4295.7	2210.7	1441.4	1410.8	1399.9	1409.7	1420.6	1425.0	1439.2
5972.0	35°	5385.2	4254.2	1985.6	1349.6	1349.6	1335.4	1340.8	1338.7	1328.8	1322.3
6420.1	37.5°	5671.5	4252.0	1799.8	1307.0	1298.2	1296.0	1297.1	1282.9	1244.7	1198.8
6962.1	40°	6015.8	4311.0	1656.7	1277.5	1270.9	1284.0	1277.5	1239.2	1134.3	1054.5
7628.7	42.5°	6478.0	4479.3	1564.9	1241.4	1261.1	1277.5	1251.2	1119.0	1048.0	994.4
8388.2	45°	7022.2	4752.5	1517.9	1203.2	1242.5	1262.2	1135.4	1077.5	1020.7	956.2
9216.5	47.5°	7638.5	5096.7	1506.9	1167.1	1201.0	1213.0	1086.2	1060.0	995.5	925.6
10049.2	50°	8309.5	5504.3	1536.4	1124.5	1140.9	1099.3	1069.8	1045.8	979.1	910.3
10902.7	52.5°	9003.4	5953.5	1595.5	1066.6	1080.8	1034.9	1063.3	1042.5	969.3	876.4
11784.5	55°	9685.3	6405.9	1652.3	998.8	1019.6	976.9	1044.7	1029.4	924.5	819.6
12725.4	57.5°	10378.1	6856.1	1708.0	938.7	960.6	921.2	1015.2	994.4	874.2	767.1
13752.6	60°	11098.3	7293.2	1734.2	880.8	896.1	869.9	970.4	934.3	817.4	713.6
14762.4	62.5°	11772.5	7657.1	1691.6	822.9	832.7	821.8	911.4	863.3	760.6	653.5
15814.7	65°	12448.9	7873.5	1560.5	766.0	768.2	762.8	828.3	786.8	693.9	601.0
16735.9	67.5°	13062.0	7994.8	1351.8	704.8	699.4	697.2	750.7	703.7	629.4	548.6
17436.4	70°	13192.0	7686.6	1032.7	632.7	632.7	627.3	665.5	617.4	558.4	492.8
16934.8	72.5°	12049.0	6466.0	733.3	550.8	559.5	548.6	580.3	539.8	486.3	442.6
14595.2	75°	9715.9	4741.6	533.3	466.6	481.9	463.3	492.8	464.4	418.5	417.4
10057.9	77.5°	6675.8	2931.9	386.8	384.7	395.6	371.5	405.4	390.1	348.6	330.0
4377.7	80°	2848.9	1169.3	281.9	297.2	297.2	275.4	314.7	319.1	283.0	274.3
844.7	82.5°	567.2	332.2	197.8	204.3	192.3	185.8	222.9	247.0	340.9	379.2
254.6	85°	170.5	122.4	119.1	111.5	98.4	99.4	131.1	248.1	306.0	174.8
84.1	87.5°	47.0	30.6	31.7	25.1	20.8	27.3	44.8	188.0	102.7	43.7
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>
4147.1
4014.9
3664.1
3094.8
2470.8
2070.8
1810.7
1733.1
1702.6
1632.6
1552.8
1510.2
1488.4
1451.2
1337.6
1199.9
1052.3
992.2
951.8
920.1
902.6
869.9
814.1
764.9
710.3
652.4
594.5
542.0
490.7
429.5
375.9
309.3
274.3
380.3
150.8
37.2
0.0

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