

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: P953311

Luminaire Tested: **GALN-SB6D-927-U-T3R**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953311
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6D-927-U-T3R
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
ROADWAY OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38560 lumens
Efficiency: N/A
Efficacy: 87.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

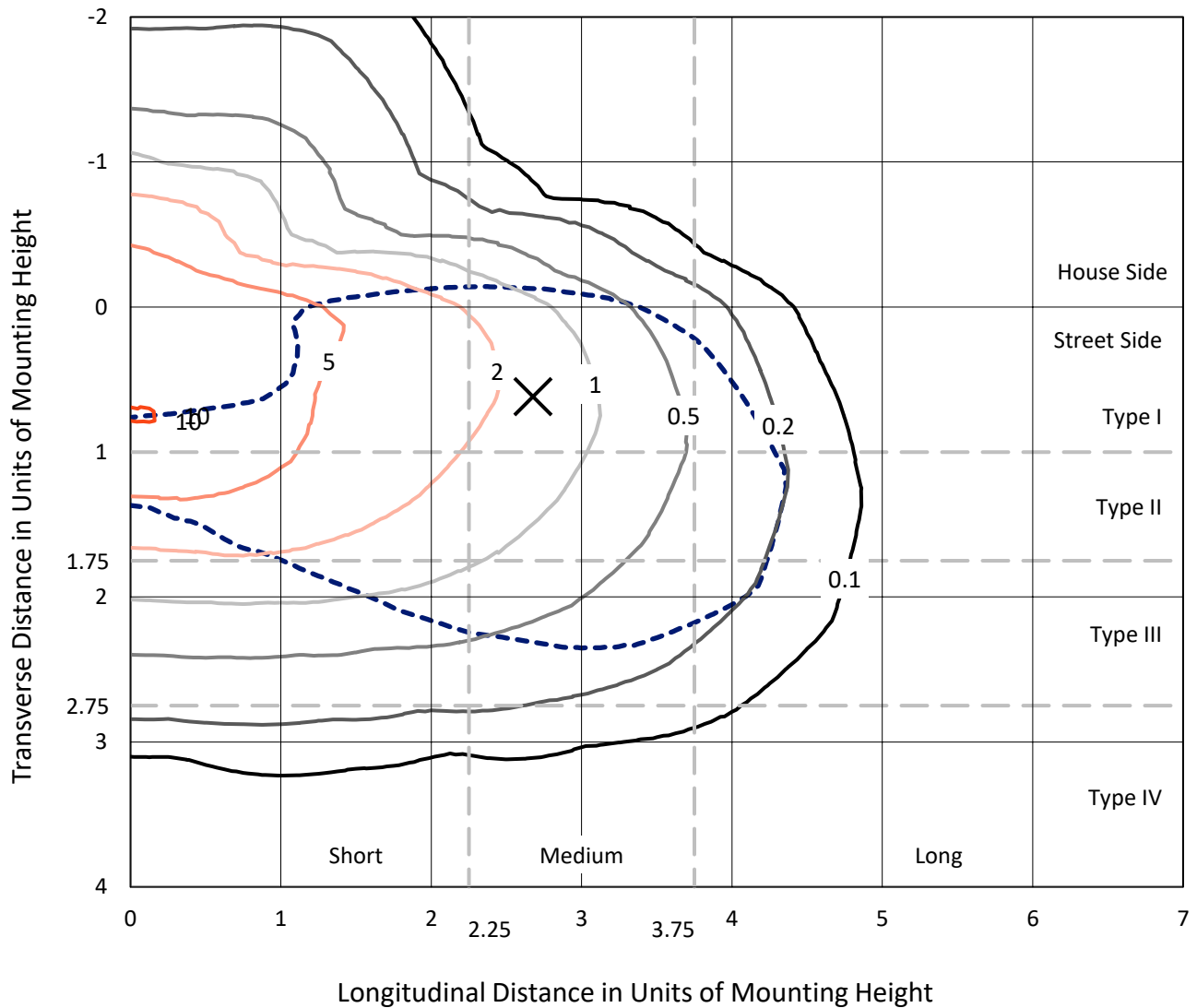
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

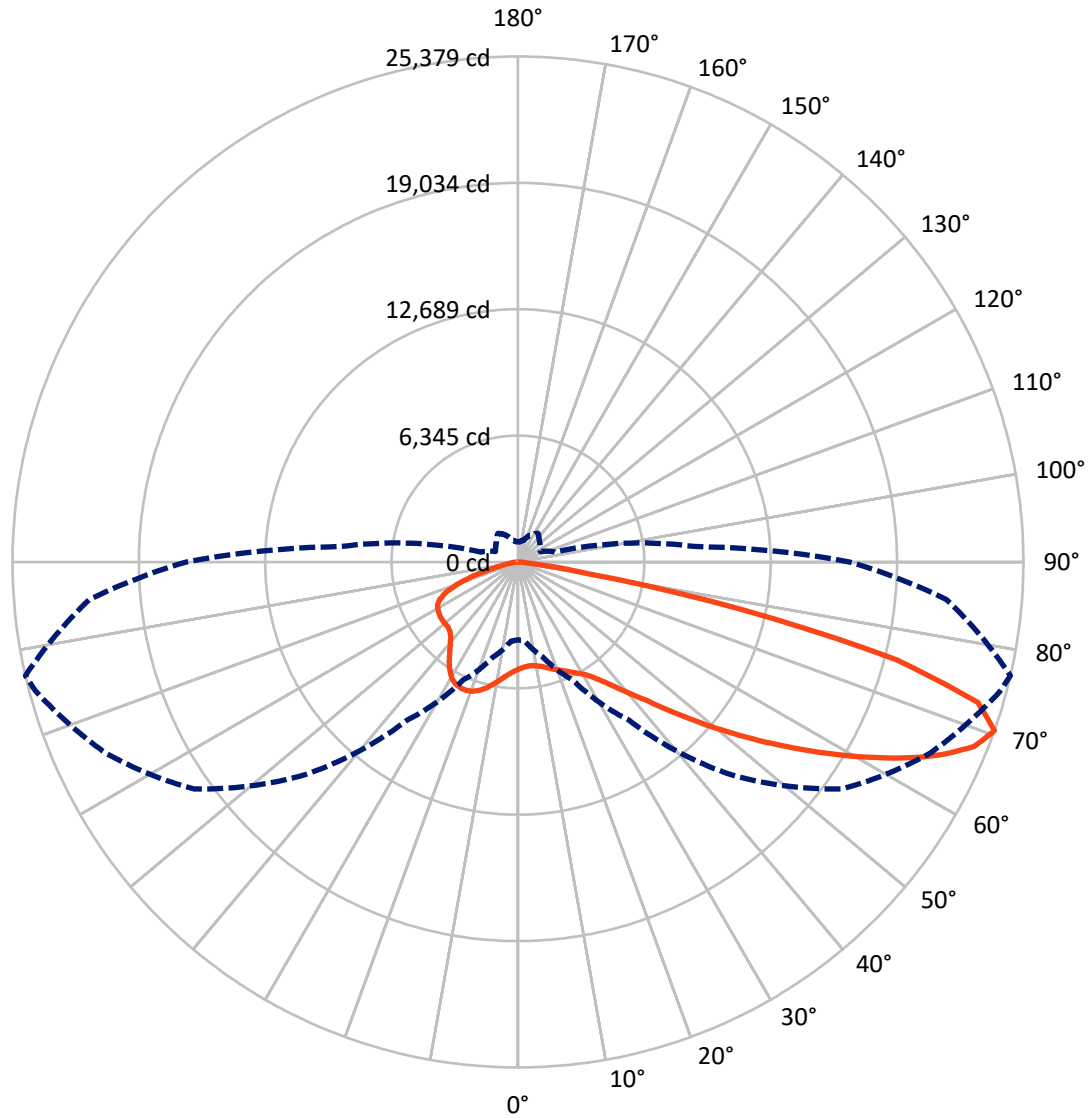
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.2 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8444.0	0.0	8444.0
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	30116.0	0.0	30116.0
	% Fixture	78.1	0.0	78.1
Total	Lumens	38560.0	0.0	38560.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	513.1	1.3
10°-20°	1480.7	3.8
20°-30°	2532.3	6.6
30°-40°	4072.1	10.6
40°-50°	6357.7	16.5
50°-60°	8492.3	22.0
60°-70°	9051.5	23.5
70°-80°	5572.1	14.5
80°-90°	488.3	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°	38560.0	100.0
0°-180°	38560.0	100.0



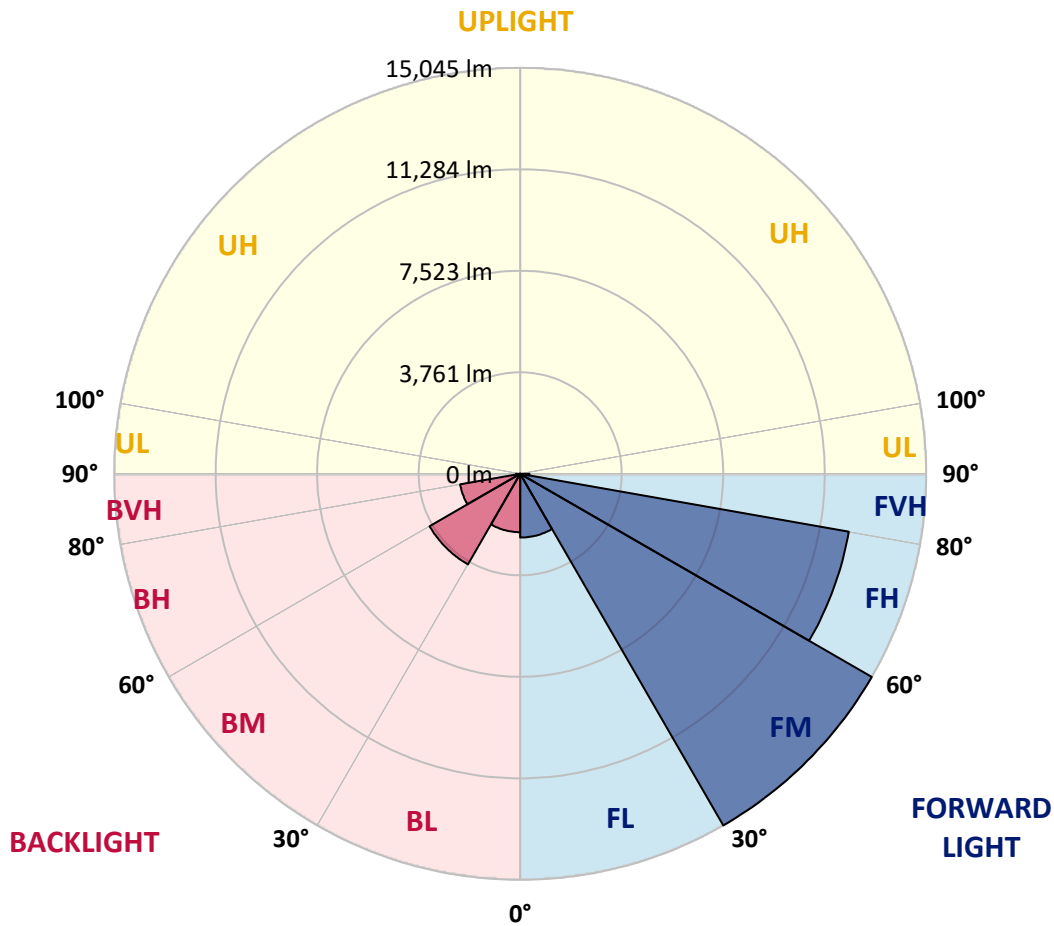
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2362.4	6.1			
FM (30°-60°)	15045.3	39.0			
FH (60°-80°)	12366.8	32.1			G5
FVH (80°-90°)	341.4	0.9			G3/500
BL (0°-30°)	2163.6	5.6	B3/2500		
BM (30°-60°)	3876.8	10.1	B3/5000		
BH (60°-80°)	2256.7	5.9	B3/2500		G3/2500
BVH (80°-90°)	146.8	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	5379.5	5379.5	5379.5	5379.5	5379.5	5379.5	5379.5	5379.5	5379.5	5379.5
2.5°	4958.8	4956.9	4982.5	4990.4	5037.8	5071.4	5134.6	5201.7	5288.6	5298.5
5°	4672.5	4672.5	4702.1	4733.7	4794.9	4862.1	4958.8	5075.3	5225.4	5249.1
7.5°	4429.6	4445.4	4471.0	4532.3	4603.4	4700.1	4848.2	5014.1	5211.6	5249.1
10°	4234.1	4251.8	4283.4	4332.8	4439.4	4573.7	4767.3	4980.6	5245.2	5304.4
12.5°	4172.8	4190.6	4208.4	4245.9	4344.7	4502.6	4733.7	4996.4	5326.2	5385.4
15°	4315.0	4336.8	4322.9	4313.1	4364.4	4508.6	4749.5	5053.6	5426.9	5511.8
17.5°	4642.9	4650.8	4619.2	4526.3	4518.4	4595.5	4824.5	5132.6	5553.3	5646.1
20°	5172.1	5158.3	5093.1	4909.5	4804.8	4789.0	4952.9	5251.1	5683.6	5782.3
22.5°	5891.0	5875.2	5744.8	5454.5	5221.5	5067.4	5138.5	5405.1	5829.7	5940.3
25°	6787.5	6765.8	6574.3	6179.3	5817.9	5436.7	5391.3	5608.6	6009.4	6112.1
27.5°	7834.2	7816.4	7609.1	7087.7	6566.4	5942.3	5705.3	5847.5	6197.1	6313.6
30°	8959.9	9011.2	8643.9	8083.0	7423.4	6601.9	6127.9	6141.8	6440.0	6544.6
32.5°	10283.0	10371.9	9929.5	9218.6	8318.0	7318.8	6661.1	6552.5	6793.5	6880.4
35°	11594.3	11695.0	11327.7	10541.7	9504.9	8164.0	7218.1	7024.5	7263.5	7358.3
37.5°	12727.9	12862.2	12672.6	11989.3	10774.7	9183.0	7944.8	7579.4	7842.1	7960.6
40°	13622.5	13827.8	13814.0	13387.5	12271.7	10419.3	8867.0	8264.7	8560.9	8689.3
42.5°	14349.2	14526.9	14681.0	14659.3	13833.8	11823.4	9951.2	9155.4	9380.5	9528.6
45°	14850.8	15040.4	15372.2	15729.6	15336.6	13326.2	11193.4	10211.9	10417.3	10640.5
47.5°	15299.1	15514.4	15944.9	16511.7	16612.4	14835.0	12554.1	11442.2	11629.8	11860.9
50°	15338.6	15524.2	16191.7	16995.5	17518.8	16284.6	14015.5	12822.7	12998.4	13245.3
52.5°	14384.8	14677.0	15842.2	16981.7	17935.5	17497.1	15467.0	14258.4	14455.8	14752.1
55°	11165.8	11594.3	14817.2	16452.4	17787.4	18281.1	16847.4	15784.9	16037.7	16347.7
57.5°	9617.5	9805.1	11762.2	15488.7	17112.0	18484.5	18012.5	17327.3	17734.1	18073.8
60°	8643.9	8799.9	9957.2	13989.8	16223.3	18162.6	18913.1	18765.0	19468.0	19872.8
62.5°	7601.2	7749.3	8801.9	11681.2	15085.8	17627.4	19481.8	20092.1	21245.4	21687.7
65°	6566.4	6692.7	7701.9	9815.0	13640.2	17092.3	19776.1	21239.4	22890.4	23348.6
67.5°	5413.0	5517.7	6471.6	8280.5	11882.6	16359.6	19922.2	22141.9	24322.2	24715.2
70°	3906.2	3987.2	4972.7	6548.6	9676.7	15099.6	19863.0	22781.8	25064.7	25378.7
72.5°	1846.5	1919.5	3076.8	4251.8	6834.9	12646.9	18664.2	22274.3	24310.3	24154.3
75°	985.4	1048.6	1767.5	2332.3	3610.0	8669.6	15273.4	19187.6	20413.9	19655.6
77.5°	667.5	716.9	1094.1	1400.2	1649.0	4115.6	9816.9	13284.8	12781.2	11529.1
80°	529.3	580.6	896.6	947.9	797.8	1487.1	4056.3	6149.7	4417.7	3533.0
82.5°	406.8	464.1	754.4	687.2	434.5	610.2	1181.0	1945.2	1131.6	861.0
85°	248.8	310.1	592.5	438.4	244.9	278.5	400.9	541.1	345.6	288.3
87.5°	126.4	177.7	300.2	160.0	110.6	65.2	106.6	106.6	90.8	79.0
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°
5379.5	0°	5379.5	5379.5	5379.5	5379.5	5379.5	5379.5	5379.5	5379.5	5379.5	5379.5
5351.8	2.5°	5399.2	5438.7	5505.9	5569.1	5618.4	5665.8	5713.2	5738.9	5746.8	5778.4
5381.4	5°	5462.4	5535.5	5665.8	5788.3	5865.3	5912.7	5946.3	5966.0	5969.9	5979.8
5462.4	7.5°	5578.9	5695.4	5877.1	5999.6	6056.8	6052.9	6039.1	5989.7	5969.9	5952.2
5580.9	10°	5742.8	5896.9	6120.0	6205.0	6169.4	6074.6	5952.2	5808.0	5740.9	5675.7
5742.8	12.5°	5946.3	6141.8	6361.0	6357.0	6181.3	5938.4	5654.0	5432.8	5292.6	5191.9
5942.3	15°	6193.1	6418.2	6586.1	6451.8	6066.7	5630.3	5213.6	4925.3	4798.9	4688.3
6143.7	17.5°	6447.9	6688.8	6765.8	6422.2	5778.4	5174.1	4702.1	4475.0	4350.6	4291.3
6361.0	20°	6696.7	6935.6	6872.5	6252.4	5340.0	4656.7	4236.0	4111.6	4085.9	4099.8
6572.3	22.5°	6959.3	7172.6	6894.2	5924.5	4781.1	4127.4	3896.4	3900.3	3957.6	3999.1
6793.5	25°	7227.9	7372.1	6836.9	5450.6	4180.7	3738.4	3681.1	3744.3	3856.9	3937.8
7042.3	27.5°	7486.6	7549.8	6712.5	4864.0	3665.3	3459.9	3469.8	3600.1	3770.0	3882.5
7344.4	30°	7778.9	7707.8	6473.5	4204.4	3307.9	3221.0	3303.9	3456.0	3625.8	3726.5
7725.6	32.5°	8108.7	7844.1	6094.4	3594.2	3055.1	3029.4	3165.7	3264.4	3339.5	3369.1
8231.1	35°	8519.5	8035.6	5608.6	3165.7	2828.0	2889.2	3019.5	2970.2	2940.5	2924.7
8910.5	37.5°	9052.7	8294.3	5039.8	2887.2	2644.3	2788.5	2841.8	2687.8	2571.2	2514.0
9734.0	40°	9694.5	8673.5	4492.8	2672.0	2527.8	2701.6	2608.8	2423.1	2275.0	2194.1
10660.2	42.5°	10407.4	9070.5	4032.6	2510.0	2462.6	2630.5	2437.0	2215.8	1976.8	1951.1
11764.1	45°	11155.9	9479.2	3718.6	2385.6	2431.0	2569.3	2338.2	1980.8	1810.9	1915.6
12872.0	47.5°	11904.4	9854.5	3529.0	2292.8	2415.2	2500.2	2251.3	1850.4	1730.0	1882.0
14058.9	50°	12737.7	10190.2	3444.1	2225.6	2397.5	2472.5	2121.0	1816.9	1645.0	1745.8
15287.3	52.5°	13565.2	10450.9	3380.9	2158.5	2371.8	2450.8	2057.8	1777.4	1542.4	1548.3
16523.5	55°	14390.7	10620.7	3311.8	2069.6	2314.5	2403.4	2051.9	1733.9	1465.3	1437.7
17830.9	57.5°	15271.5	10717.5	3226.9	1970.9	2215.8	2282.9	2045.9	1700.3	1441.6	1396.2
19167.8	60°	16168.0	10859.7	3116.3	1850.4	2083.5	2138.8	2032.1	1688.5	1427.8	1350.8
20427.8	62.5°	16971.8	10909.0	2984.0	1735.9	1913.6	1996.6	2002.5	1678.6	1390.3	1258.0
21474.4	65°	17499.1	10695.7	2752.9	1605.5	1730.0	1850.4	1945.2	1645.0	1323.1	1190.8
21991.8	67.5°	17477.4	10087.5	2391.5	1437.7	1552.2	1688.5	1862.3	1587.8	1242.2	1107.9
21600.8	70°	16663.7	8886.8	1933.4	1242.2	1356.7	1514.7	1755.6	1502.9	1145.4	1017.0
19207.3	72.5°	14291.9	6955.4	1404.1	1013.1	1129.6	1335.0	1617.4	1400.2	1046.7	936.1
14195.2	75°	10209.9	4401.9	951.9	778.1	878.8	1131.6	1445.6	1279.7	955.8	940.0
7109.4	77.5°	5215.6	2103.2	630.0	568.8	612.2	892.6	1214.5	1143.4	969.6	776.1
2022.2	80°	1696.4	776.1	396.9	387.1	406.8	594.4	940.0	938.1	734.6	527.3
489.8	82.5°	541.1	333.7	258.7	248.8	239.0	373.2	655.6	742.5	495.7	333.7
175.8	85°	215.3	199.5	152.1	140.2	100.7	175.8	343.6	493.7	369.3	240.9
45.4	87.5°	79.0	79.0	41.5	29.6	21.7	59.2	92.8	148.1	211.3	124.4
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>
5379.5
5796.2
5995.6
5956.1
5655.9
5168.2
4676.4
4309.1
4093.8
4008.9
3959.6
3910.2
3750.2
3384.9
2940.5
2527.8
2200.0
1976.8
1970.9
1953.1
1820.8
1589.7
1457.4
1402.1
1356.7
1258.0
1190.8
1113.8
1028.9
930.2
886.7
691.2
466.1
331.8
246.9
122.4
0.0

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