

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: P943095

Luminaire Tested: **GALN-SB7B-930-U-T2**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P943095  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GALN-SB7B-930-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 90 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 27603 lumens  
Efficiency: N/A  
Efficacy: 107.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G4

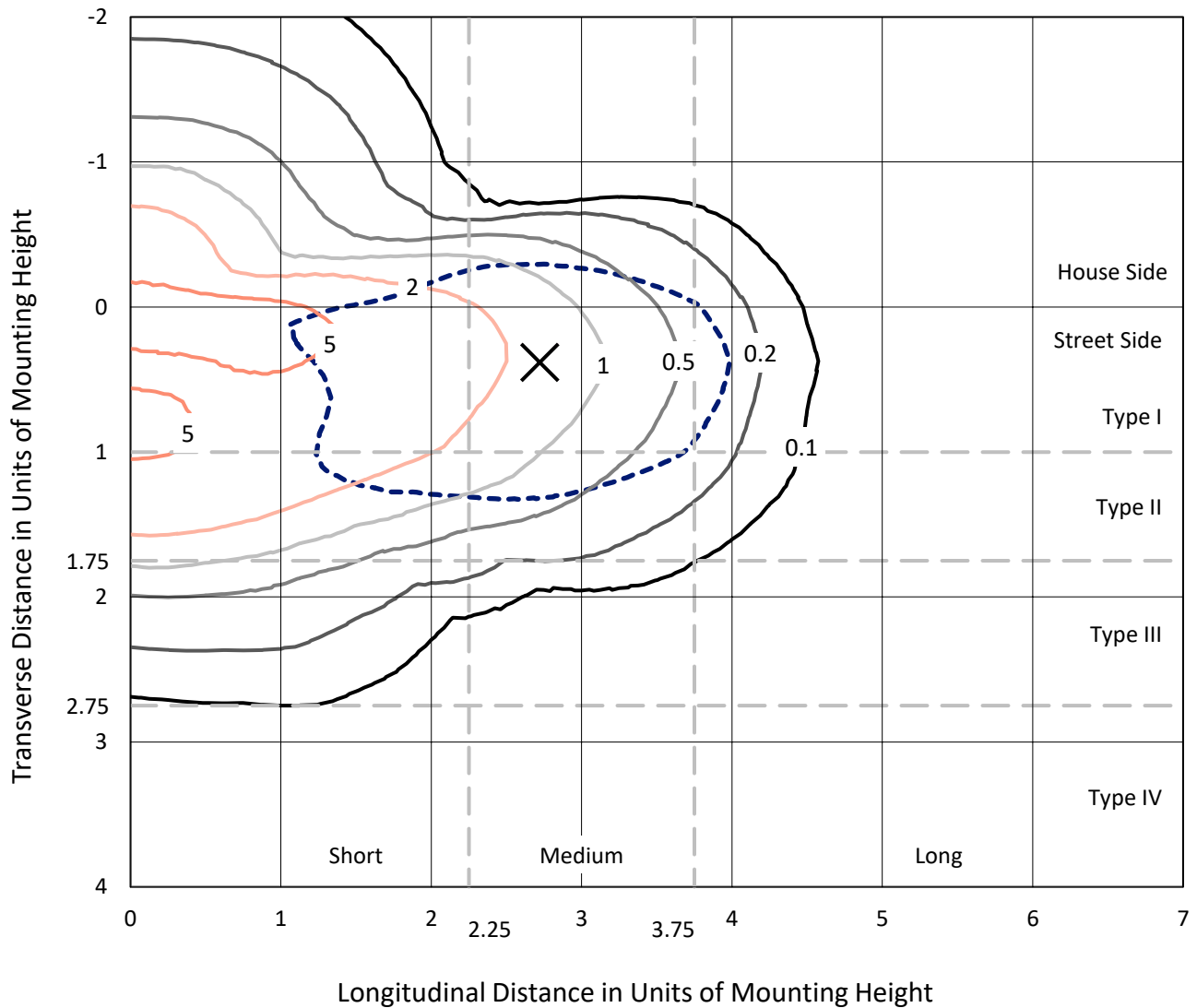
Input Watts (W): 256.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

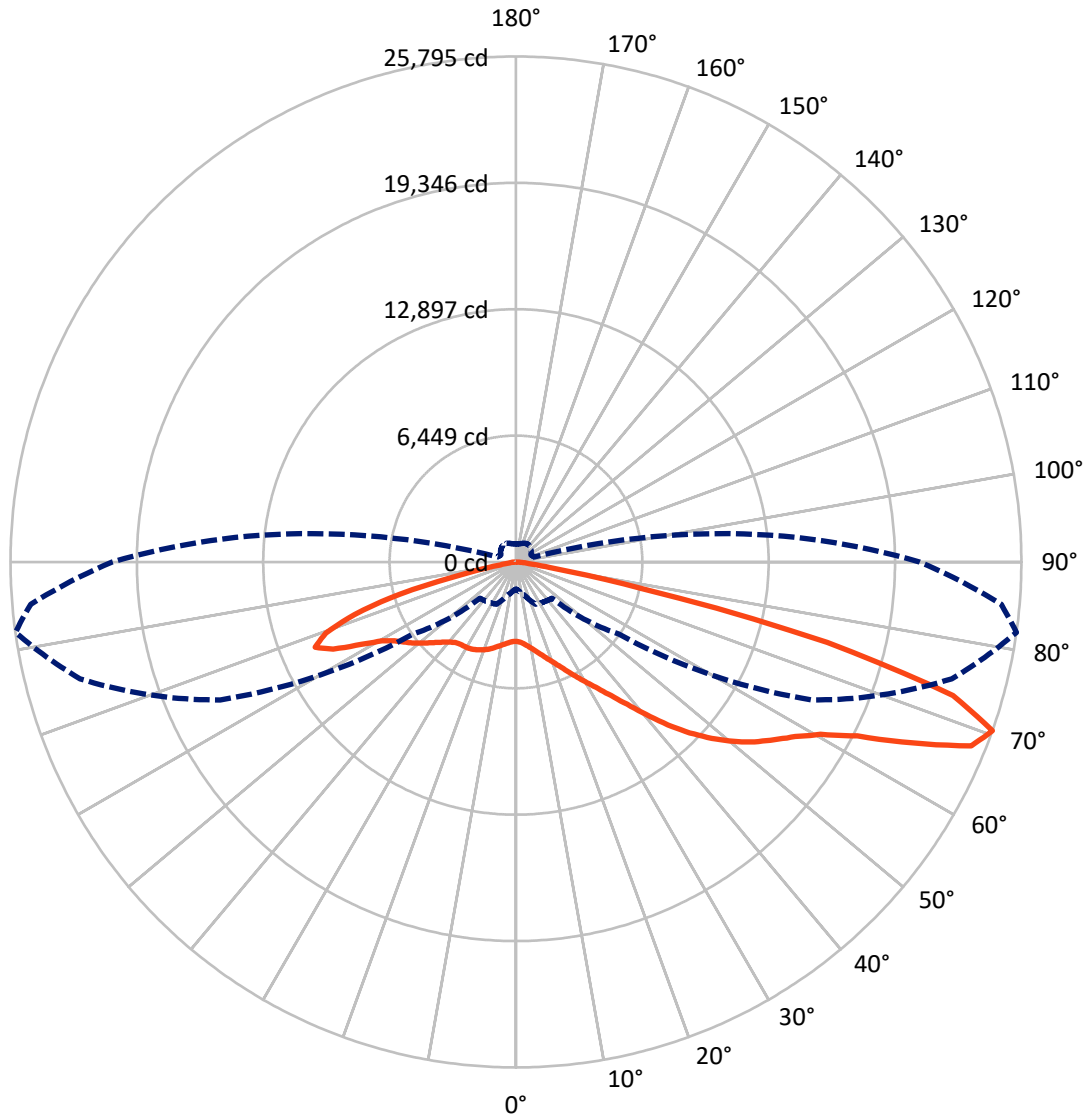
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6804.8	0.0	6804.8
	% Fixture	24.7	0.0	24.7
<b>Street Side</b>	Lumens	20798.2	0.0	20798.2
	% Fixture	75.3	0.0	75.3
<b>Total</b>	Lumens	27603.0	0.0	27603.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	382.1	1.4
10°-20°	1097.8	4.0
20°-30°	1836.5	6.7
30°-40°	2869.1	10.4
40°-50°	4569.4	16.6
50°-60°	6358.9	23.0
60°-70°	6651.7	24.1
70°-80°	3476.5	12.6
80°-90°	361.0	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°	27603.0	100.0
0°-180°	27603.0	100.0

**Coefficient of Utilization**



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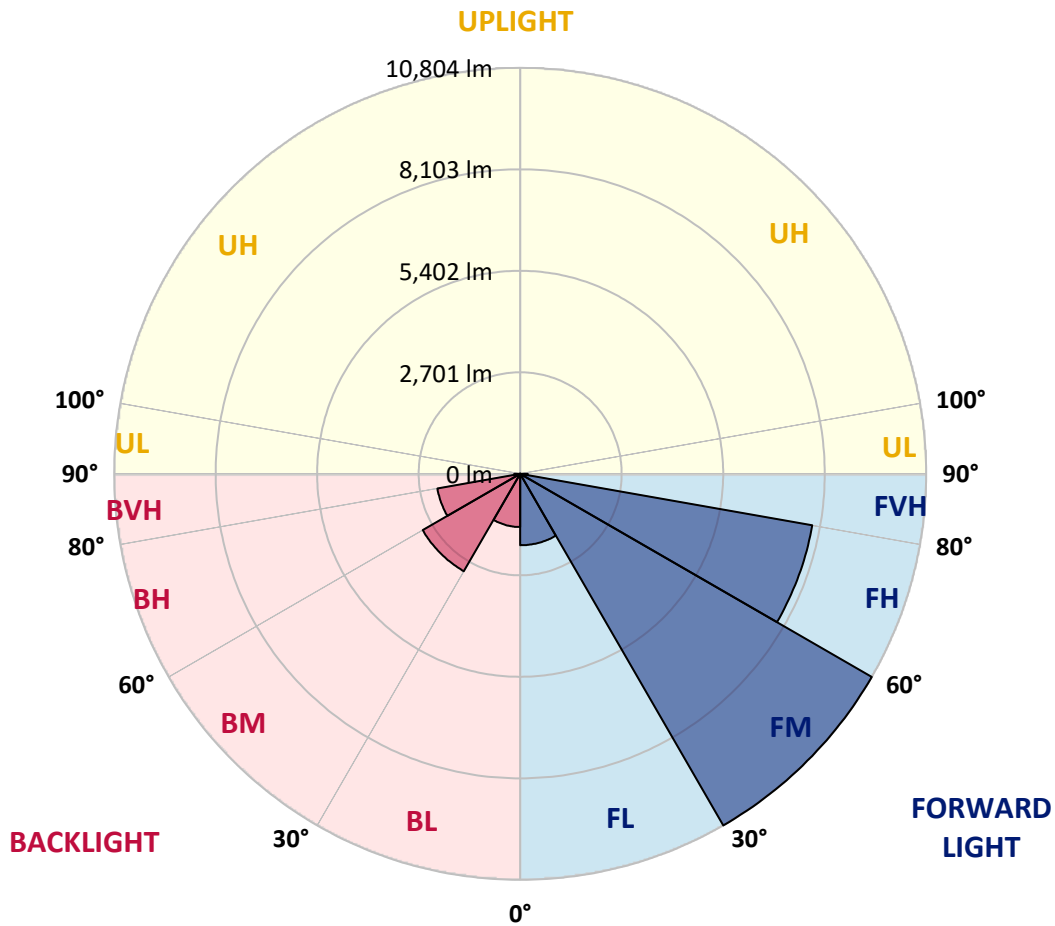
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1900.8	6.9			
FM (30°-60°)	10803.5	39.1			
FH (60°-80°)	7891.8	28.6			G4/12000
FVH (80°-90°)	202.1	0.7			G2/225
BL (0°-30°)	1415.7	5.1	B3/2500		
BM (30°-60°)	2993.8	10.8	B3/5000		
BH (60°-80°)	2236.4	8.1	B3/2500		G3/2500
BVH (80°-90°)	158.9	0.6			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 II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	4046.9	4046.9	4046.9	4046.9	4046.9	4046.9	4046.9	4046.9	4046.9	4046.9
2.5°	4143.6	4167.0	4159.7	4152.4	4152.4	4142.1	4140.7	4126.0	4114.3	4095.3
5°	4196.3	4221.2	4218.3	4224.2	4243.2	4247.6	4252.0	4243.2	4219.8	4196.3
7.5°	4149.5	4177.3	4186.1	4221.2	4279.8	4332.6	4372.1	4388.2	4366.2	4332.6
10°	3991.3	4022.0	4052.8	4136.3	4240.3	4364.8	4470.2	4533.2	4528.8	4496.6
12.5°	3670.5	3702.7	3768.7	3931.2	4121.6	4341.3	4537.6	4669.4	4714.8	4691.4
15°	3414.2	3442.0	3491.8	3658.8	3906.3	4240.3	4562.5	4818.8	4934.5	4921.4
17.5°	3406.9	3418.6	3449.4	3528.4	3718.9	4082.1	4536.2	4965.3	5186.5	5185.0
20°	3535.8	3540.2	3557.7	3573.8	3682.2	3962.0	4468.8	5086.9	5469.2	5469.2
22.5°	3714.5	3711.5	3729.1	3714.5	3767.2	3951.7	4426.3	5193.8	5784.1	5807.5
25°	3982.5	3967.9	3963.5	3929.8	3940.0	4046.9	4473.2	5315.4	6157.6	6205.9
27.5°	4339.9	4316.4	4300.3	4222.7	4196.3	4243.2	4616.7	5461.8	6573.5	6657.0
30°	4805.7	4763.2	4739.7	4605.0	4509.8	4517.1	4833.5	5656.6	7008.6	7143.3
32.5°	5441.3	5375.4	5312.4	5091.3	4917.0	4859.8	5113.2	5926.1	7480.2	7695.5
35°	6153.2	6100.4	6033.1	5691.8	5423.8	5291.9	5491.1	6302.6	8032.4	8373.6
37.5°	6838.6	6793.2	6825.5	6365.6	6019.9	5828.0	5986.2	6807.9	8713.5	9217.3
40°	7547.6	7512.4	7516.8	7077.4	6674.6	6459.3	6586.7	7442.1	9494.1	10220.6
42.5°	8318.0	8291.6	8203.7	7814.1	7361.5	7160.9	7278.1	8174.4	10331.9	11363.1
45°	9180.7	9164.6	9082.6	8635.8	8117.3	7891.8	8049.9	8983.0	11174.1	12438.2
47.5°	9926.2	9939.4	9929.1	9552.7	9015.2	8684.2	8873.1	9826.6	11957.7	13448.8
50°	10285.1	10353.9	10455.0	10337.8	10003.8	9667.0	9703.6	10641.0	12704.7	14396.5
52.5°	10097.6	10227.9	10503.3	10690.8	10819.7	10749.4	10651.2	11449.5	13407.8	15251.8
55°	9398.9	9582.0	10039.0	10491.6	11149.2	11660.4	11789.3	12345.9	14093.3	16004.7
57.5°	8126.1	8423.4	8833.6	9749.0	10856.3	12101.3	13116.3	13589.4	14819.8	16808.8
60°	5943.7	6342.1	6851.8	8214.0	9831.0	11865.5	14245.6	15499.4	15852.4	17850.2
62.5°	3803.8	4049.9	4518.6	5801.6	7660.3	10657.1	14591.3	17886.8	17602.7	19558.0
65°	2604.2	2762.4	3191.6	3912.2	4952.1	7932.8	13665.6	19676.7	20382.7	22264.8
67.5°	1892.4	2012.5	2378.7	3009.9	3226.7	4694.3	10604.4	19594.7	23085.0	25053.6
70°	1379.7	1464.7	1772.3	2378.7	2482.7	2611.5	6424.1	16656.5	23026.4	25794.7
72.5°	1022.4	1080.9	1287.5	1845.5	2009.6	1763.5	3179.8	12105.7	19786.5	23331.1
75°	739.7	783.6	935.9	1412.0	1608.2	1343.1	1586.3	7074.5	13801.8	16411.9
77.5°	565.4	599.1	698.7	1034.1	1287.5	1007.7	984.3	3254.5	6544.2	6576.5
80°	454.1	476.0	530.2	728.0	987.2	754.3	641.5	1313.8	2068.1	1750.3
82.5°	333.9	370.6	448.2	511.2	706.0	520.0	391.1	663.5	786.5	676.7
85°	190.4	215.3	271.0	366.2	451.1	317.8	224.1	294.4	366.2	300.3
87.5°	67.4	87.9	95.2	143.5	196.3	131.8	86.4	85.0	120.1	89.3
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°
4046.9	0°	4046.9	4046.9	4046.9	4046.9	4046.9	4046.9	4046.9	4046.9	4046.9	4046.9
4090.9	2.5°	4076.2	4068.9	4039.6	4000.1	3959.1	3919.5	3906.3	3878.5	3859.5	3849.2
4186.1	5°	4158.3	4134.8	4066.0	3978.1	3885.8	3786.2	3715.9	3651.5	3604.6	3560.7
4316.4	7.5°	4275.4	4234.4	4115.8	3962.0	3797.9	3632.4	3509.4	3415.7	3352.7	3311.7
4468.8	10°	4411.7	4348.7	4167.0	3937.1	3683.7	3446.4	3301.4	3220.9	3181.3	3159.3
4643.1	12.5°	4568.4	4479.0	4219.8	3880.0	3509.4	3238.4	3138.8	3115.4	3116.9	3118.3
4862.8	15°	4761.7	4637.2	4262.3	3755.5	3282.4	3078.8	3061.2	3099.3	3138.8	3157.9
5111.8	17.5°	4980.0	4804.2	4269.6	3550.4	3059.7	2976.3	3031.9	3113.9	3174.0	3200.4
5390.1	20°	5214.3	4974.1	4216.8	3260.4	2876.7	2892.8	2992.4	3097.8	3163.7	3197.4
5707.9	22.5°	5482.3	5155.7	4090.9	2955.7	2727.3	2802.0	2919.1	3021.7	3090.5	3124.2
6081.4	25°	5788.5	5359.3	3893.2	2699.4	2598.4	2699.4	2816.6	2901.6	2957.2	2988.0
6498.8	27.5°	6128.3	5571.7	3629.5	2495.8	2485.6	2594.0	2690.6	2756.6	2785.8	2809.3
6942.6	30°	6469.5	5765.0	3310.2	2342.0	2387.4	2490.0	2558.8	2588.1	2596.9	2601.3
7437.7	32.5°	6838.6	5932.0	2974.8	2214.6	2293.7	2388.9	2429.9	2443.1	2402.1	2374.3
8038.2	35°	7285.4	6110.7	2646.7	2113.6	2201.4	2283.5	2296.6	2284.9	2236.6	2179.5
8791.1	37.5°	7837.6	6333.3	2384.5	2041.8	2115.0	2169.2	2153.1	2150.2	2154.6	2087.2
9696.3	40°	8514.3	6623.3	2192.6	1986.1	2044.7	2056.4	2011.0	2035.9	2057.9	1955.4
10689.3	42.5°	9265.6	6973.4	2071.1	1948.0	1986.1	1958.3	1888.0	1915.8	1912.9	1778.1
11686.8	45°	10031.7	7354.2	2028.6	1920.2	1931.9	1876.3	1798.6	1806.0	1744.4	1622.9
12643.2	47.5°	10793.3	7762.9	2055.0	1896.8	1864.6	1801.6	1741.5	1709.3	1618.5	1527.7
13560.1	50°	11540.3	8192.0	2151.6	1849.9	1772.3	1735.7	1691.7	1634.6	1537.9	1460.3
14427.2	52.5°	12233.1	8624.1	2260.0	1772.3	1656.6	1678.5	1650.7	1584.8	1489.6	1410.5
15247.4	55°	12889.3	9056.2	2302.5	1665.4	1548.2	1628.7	1612.6	1491.1	1376.8	1312.4
16105.8	57.5°	13604.1	9576.2	2255.6	1529.1	1460.3	1571.6	1510.1	1375.3	1309.4	1261.1
17223.3	60°	14594.2	10392.0	2154.6	1360.7	1376.8	1486.7	1381.2	1325.5	1253.8	1199.6
18898.9	62.5°	16239.0	11913.8	1992.0	1193.7	1278.7	1360.7	1319.7	1264.0	1190.8	1138.1
21763.9	65°	18670.4	14028.8	1685.9	1063.4	1168.8	1237.7	1253.8	1198.1	1122.0	1066.3
24274.3	67.5°	20721.0	15355.8	1275.7	955.0	1056.0	1138.1	1183.5	1129.3	1048.7	994.5
24861.7	70°	20608.2	14392.1	974.0	848.1	956.4	1039.9	1098.5	1056.0	969.6	918.4
22582.6	72.5°	18304.3	12039.8	788.0	739.7	855.4	937.4	1007.7	975.5	887.6	837.8
16543.7	75°	13447.3	8546.5	629.8	629.8	729.4	830.5	908.1	887.6	807.0	771.9
6945.6	77.5°	5668.4	3585.6	493.6	522.9	606.4	713.3	810.0	817.3	747.0	790.9
1836.7	80°	1507.2	988.7	376.4	411.6	476.0	588.8	704.5	701.6	625.4	584.4
682.5	82.5°	574.2	389.6	268.0	290.0	344.2	451.1	558.0	575.6	499.5	432.1
268.0	85°	221.2	167.0	165.5	174.3	200.7	298.8	421.8	436.5	376.4	319.3
74.7	87.5°	57.1	49.8	61.5	58.6	92.3	159.7	241.7	250.5	230.0	133.3
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>
4046.9
3860.9
3578.2
3320.5
3165.2
3121.3
3156.4
3206.2
3206.2
3133.0
2996.8
2818.1
2611.5
2383.1
2182.4
2091.6
1958.3
1776.7
1627.3
1527.7
1454.4
1412.0
1306.5
1256.7
1196.7
1138.1
1069.2
996.0
922.8
837.8
761.6
717.7
543.4
432.1
329.6
190.4
0.0

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