

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: P952761

Luminaire Tested: **GALN-SB6C-735-U-T2R**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P952761  
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-SB6C-735-U-T2R  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

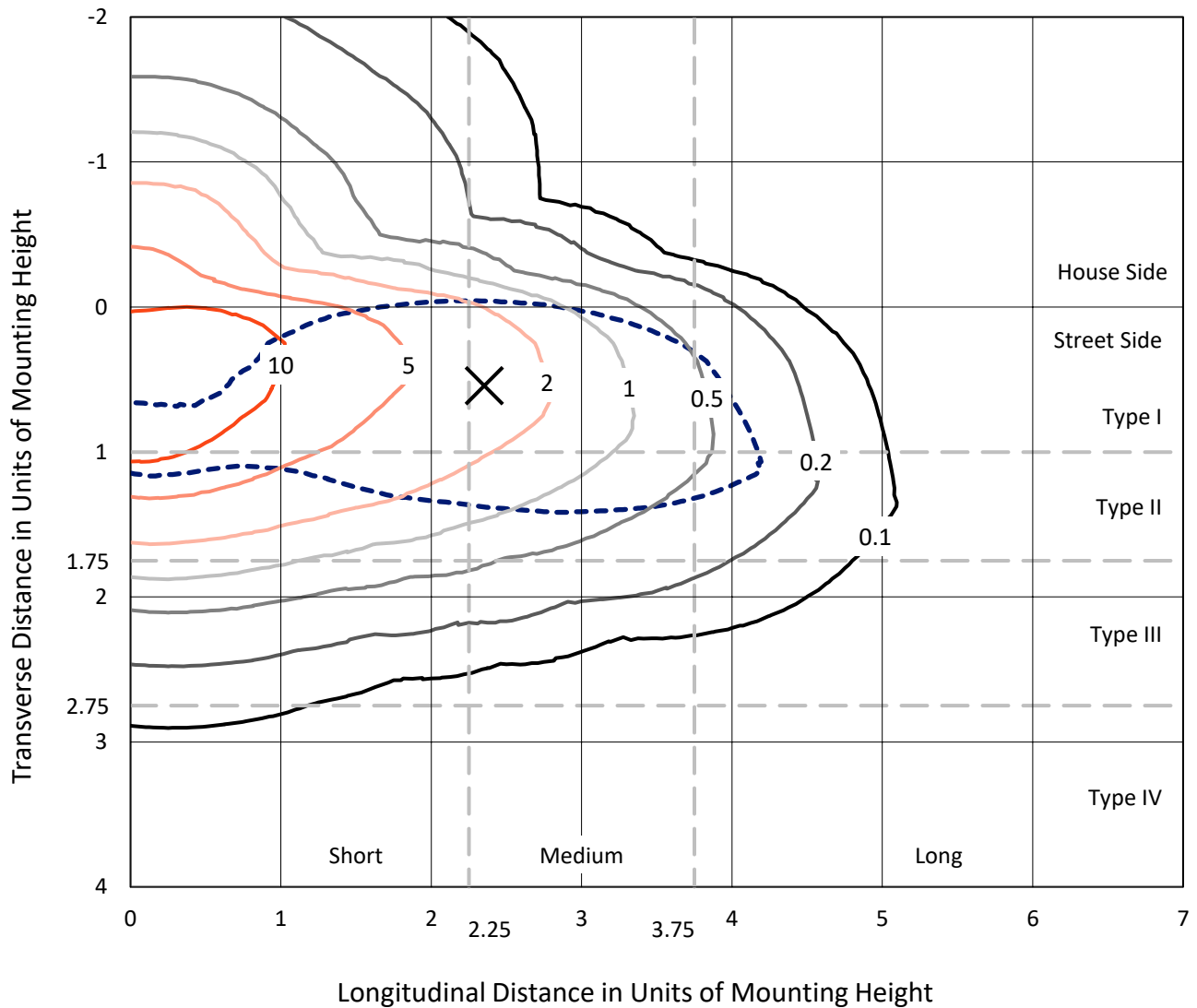
Lumens per Lamp: N/A  
Luminaire Lumens: 46257 lumens  
Efficiency: N/A  
Efficacy: 153.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 300.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

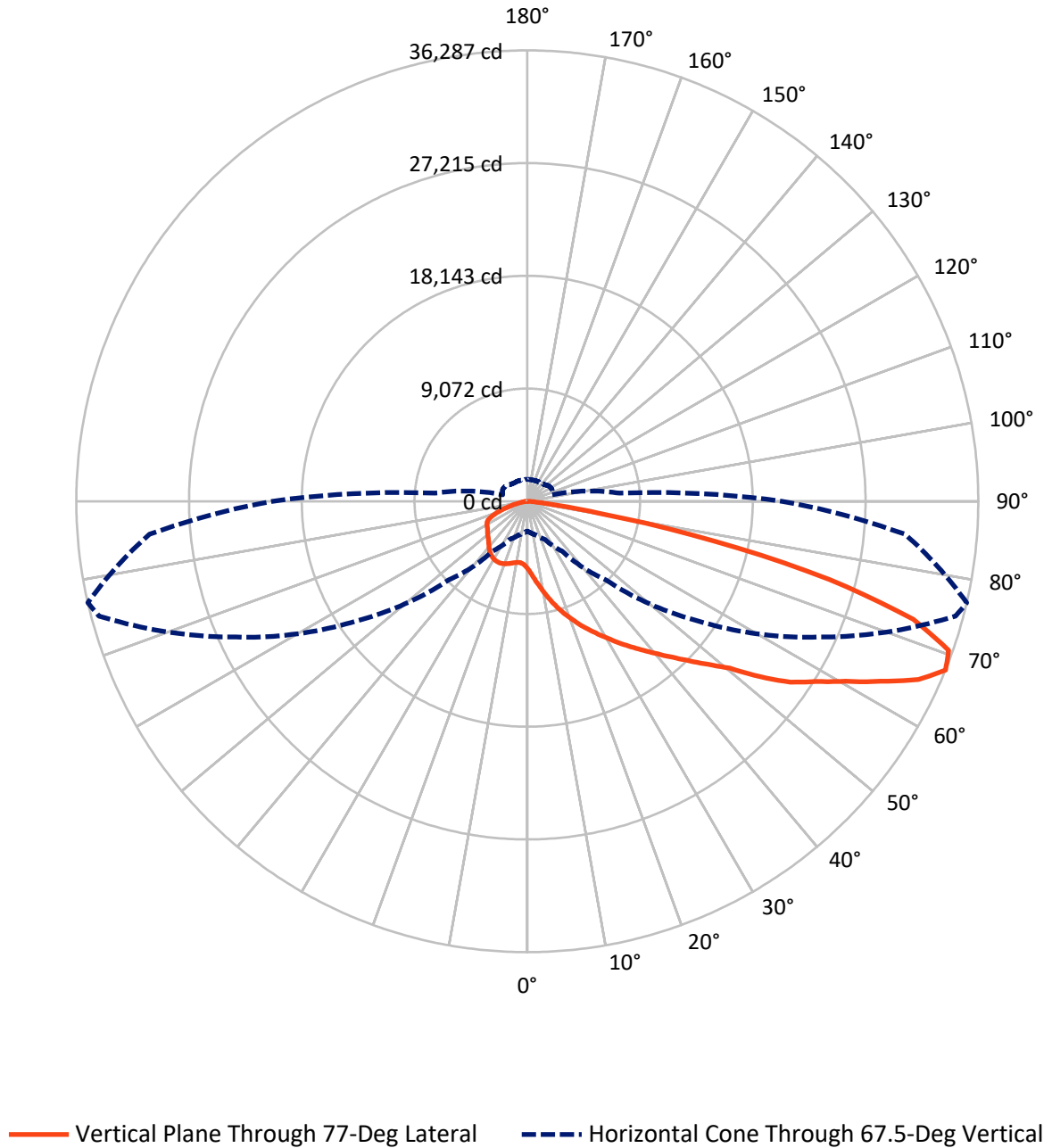
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17 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	8750.0	0.0	8750.0
	% Fixture	18.9	0.0	18.9
<b>Street Side</b>	Lumens	37507.0	0.0	37507.0
	% Fixture	81.1	0.0	81.1
<b>Total</b>	Lumens	46257.0	0.0	46257.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	581.7	1.3
10°-20°	2090.0	4.5
20°-30°	3946.1	8.5
30°-40°	6357.0	13.7
40°-50°	8695.3	18.8
50°-60°	9808.3	21.2
60°-70°	9154.8	19.8
70°-80°	5018.4	10.8
80°-90°	605.3	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°	46257.0	100.0
0°-180°	46257.0	100.0

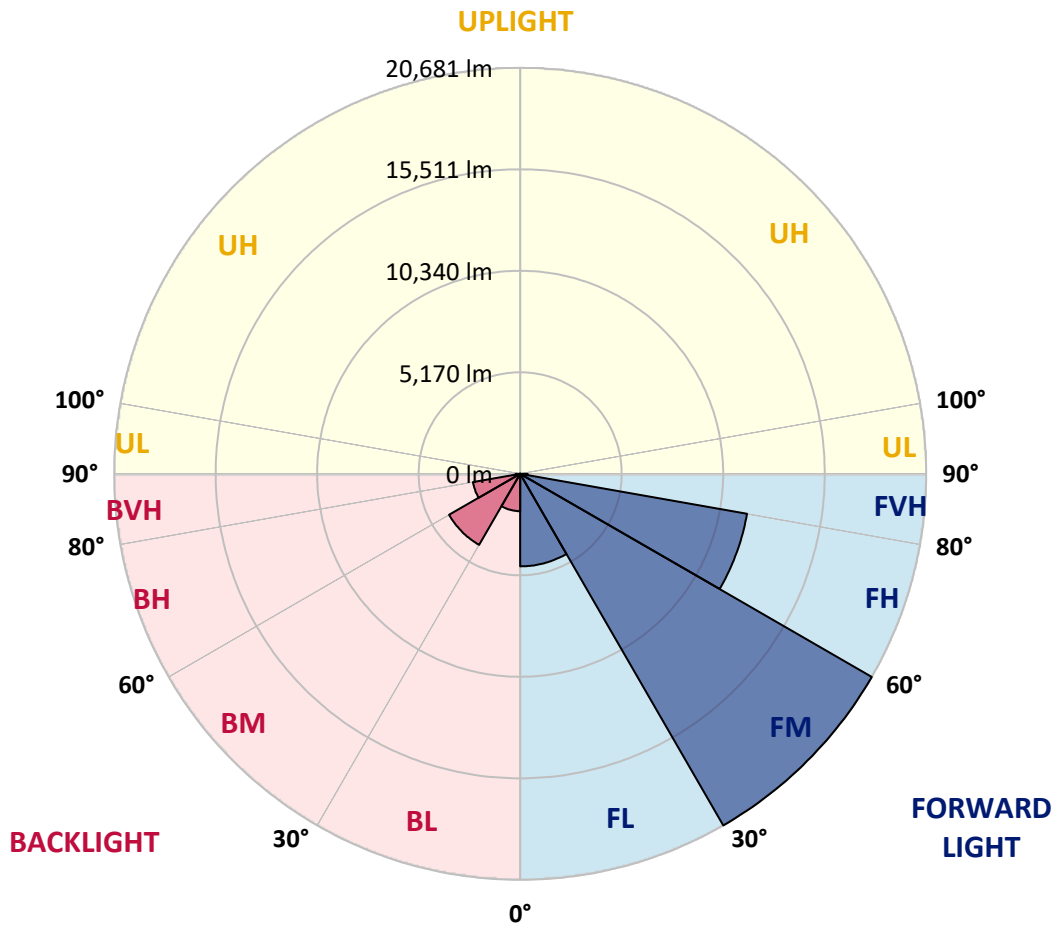


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4715.3	10.2			
FM (30°-60°)	20681.0	44.7			
FH (60°-80°)	11732.1	25.4			G4/12000
FVH (80°-90°)	378.6	0.8			G3/500
BL (0°-30°)	1902.4	4.1	B3/2500		
BM (30°-60°)	4179.6	9.0	B3/5000		
BH (60°-80°)	2441.1	5.3	B3/2500		G3/2500
BVH (80°-90°)	226.8	0.5			G3/500
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°	77°
0°	5427.4	5427.4	5427.4	5427.4	5427.4	5427.4	5427.4	5427.4	5427.4	5427.4
2.5°	6795.6	6843.3	6783.6	6783.6	6583.1	6478.0	6277.4	6124.6	5850.0	5802.3
5°	8032.4	8092.1	8008.6	7972.7	7736.3	7519.1	7182.4	6850.5	6361.0	6310.9
7.5°	8989.9	9066.3	8992.3	8954.1	8744.0	8500.4	8106.5	7643.2	6953.2	6855.3
10°	9770.7	9782.7	9758.8	9773.1	9608.4	9407.8	9004.3	8464.6	7602.6	7468.9
12.5°	10212.5	10267.4	10315.1	10401.1	10372.4	10248.3	9885.3	9240.6	8290.3	8118.4
15°	10420.2	10515.7	10623.2	10821.3	10981.3	11012.4	10735.4	10074.0	8989.9	8782.2
17.5°	10494.2	10584.9	10754.5	11041.0	11384.8	11616.5	11492.3	10883.4	9682.4	9443.6
20°	10869.1	10895.4	10998.0	11270.2	11642.7	12027.2	12120.3	11661.8	10367.7	10097.8
22.5°	11671.4	11618.9	11647.5	11771.7	12039.1	12411.6	12624.1	12349.5	11072.1	10761.6
25°	12996.6	12843.8	12691.0	12547.7	12683.8	12893.9	13135.1	13037.2	11809.9	11415.9
27.5°	14670.4	14484.2	14147.5	13677.1	13512.3	13586.4	13693.8	13674.7	12492.8	12094.0
30°	16318.0	16100.7	15699.5	15019.0	14584.5	14388.7	14307.5	14252.6	13235.4	12810.3
32.5°	17633.6	17461.7	17067.7	16306.0	15675.7	15341.4	15071.6	14875.8	14011.4	13586.4
35°	18784.5	18624.5	18173.3	17342.3	16657.0	16301.3	15947.9	15530.0	14818.5	14388.7
37.5°	19835.1	19675.2	19056.7	18192.4	17502.3	17256.4	16941.2	16232.0	15627.9	15222.0
40°	20498.9	20463.1	19885.3	18906.3	18190.0	18068.2	17963.1	17046.2	16525.7	16148.4
42.5°	20668.5	20747.3	20288.8	19484.1	18801.2	18703.3	18949.3	17967.9	17533.3	17172.8
45°	20260.2	20487.0	20186.1	19639.3	19235.8	19183.3	19823.2	18975.5	18648.4	18318.9
47.5°	19226.3	19610.7	19486.5	19410.1	19352.8	19579.6	20592.1	20045.3	19911.5	19625.0
50°	17139.4	17867.6	18084.9	18567.2	19121.2	19887.7	21291.7	21212.9	21387.2	21098.3
52.5°	13531.4	14534.3	15795.0	17003.3	18409.6	19785.0	22060.5	22889.1	23624.5	23466.9
55°	11170.0	11621.2	12590.7	14806.5	17029.5	19352.8	22406.8	24242.9	25845.1	25704.3
57.5°	9355.3	9758.8	10355.7	12206.2	14942.6	18371.4	22621.7	25069.1	27366.1	27351.8
60°	7409.2	7836.6	8447.9	9758.8	12504.7	16676.1	22573.9	26009.9	29307.4	29426.8
62.5°	5212.5	5682.9	6361.0	7583.5	10014.3	14479.4	21599.7	26690.4	31592.5	31917.2
65°	3426.4	3736.8	4247.8	5303.2	7461.8	11654.7	19739.6	26778.8	34037.5	34586.7
67.5°	2402.1	2521.5	2822.3	3395.4	4918.8	8937.4	16776.4	25864.2	35668.4	36286.8
70°	1874.4	1934.1	2086.9	2316.1	3089.8	6010.0	12855.7	23486.0	35319.8	35964.5
72.5°	1618.9	1676.2	1733.5	1762.2	2072.6	3710.6	8708.2	19637.0	32036.6	32473.6
75°	1468.5	1482.8	1530.6	1521.0	1580.7	2406.9	5026.2	14307.5	25276.8	25126.4
77.5°	1234.5	1253.6	1332.4	1320.4	1404.0	1645.2	2609.8	9233.5	16387.2	15365.2
80°	1045.8	1055.4	1141.4	1127.0	1220.1	1191.5	1332.4	4706.3	6950.8	5888.2
82.5°	362.9	448.9	871.5	897.8	931.2	721.1	768.9	1919.8	2122.7	1626.1
85°	176.7	188.6	444.1	630.4	628.0	362.9	374.9	685.3	668.6	525.3
87.5°	28.7	35.8	52.5	245.9	195.8	95.5	128.9	133.7	138.5	119.4
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°
5427.4	0°	5427.4	5427.4	5427.4	5427.4	5427.4	5427.4	5427.4	5427.4	5427.4	5427.4
5620.8	2.5°	5487.1	5367.7	5117.0	4885.4	4703.9	4529.6	4431.7	4348.1	4300.4	4290.8
5883.4	5°	5635.1	5389.2	4933.1	4548.7	4298.0	4111.7	4013.8	3951.7	3920.7	3901.6
6236.8	7.5°	5847.6	5487.1	4837.6	4400.6	4138.0	4004.3	3954.1	3944.6	3942.2	3944.6
6664.2	10°	6141.3	5647.1	4828.1	4364.8	4145.2	4071.1	4068.7	4071.1	4080.7	4083.1
7129.9	12.5°	6458.9	5811.8	4866.3	4395.9	4235.9	4195.3	4188.1	4185.7	4192.9	4197.7
7600.2	15°	6805.1	6029.1	4930.7	4462.7	4336.2	4293.2	4286.0	4271.7	4269.3	4266.9
8094.5	17.5°	7160.9	6244.0	5002.4	4534.4	4400.6	4341.0	4314.7	4281.3	4255.0	4247.8
8605.5	20°	7521.5	6456.5	5052.5	4570.2	4405.4	4321.8	4269.3	4212.0	4166.6	4140.4
9121.3	22.5°	7905.9	6678.6	5083.5	4560.6	4362.4	4247.8	4152.3	4085.5	4016.2	3970.8
9641.8	25°	8280.8	6872.0	5081.2	4510.5	4278.9	4133.2	4011.4	3925.5	3830.0	3782.2
10179.0	27.5°	8641.3	7046.3	5021.5	4422.1	4159.5	3997.1	3851.5	3748.8	3655.7	3610.3
10721.1	30°	9013.8	7191.9	4928.3	4293.2	4018.6	3839.5	3679.5	3591.2	3507.6	3464.6
11294.1	32.5°	9383.9	7325.7	4797.0	4133.2	3856.2	3684.3	3526.7	3445.5	3395.4	3395.4
11910.2	35°	9775.5	7418.8	4622.7	3947.0	3684.3	3519.6	3395.4	3347.6	3342.9	3314.2
12562.0	37.5°	10188.6	7478.5	4410.2	3755.9	3514.8	3359.6	3321.4	3264.1	3216.3	3154.2
13278.3	40°	10623.2	7538.2	4154.7	3557.8	3335.7	3249.7	3233.0	3156.6	3020.5	2867.7
14090.2	42.5°	11150.8	7578.8	3889.7	3359.6	3147.1	3118.4	3142.3	3011.0	2793.7	2679.1
15069.2	45°	11762.1	7645.6	3646.1	3163.8	2953.7	2953.7	3053.9	2882.0	2702.9	2631.3
16186.6	47.5°	12554.9	7800.8	3419.3	2948.9	2774.6	2822.3	2858.2	2726.8	2626.5	2538.2
17547.7	50°	13701.0	8173.3	3185.3	2731.6	2638.5	2734.0	2683.8	2607.4	2490.4	2418.8
19711.0	52.5°	15124.1	8393.0	2977.5	2535.8	2521.5	2617.0	2545.4	2473.7	2385.4	2289.9
21351.4	55°	16093.5	8433.6	2803.2	2392.5	2442.7	2433.1	2406.9	2342.4	2294.6	2168.1
22970.3	57.5°	17177.6	8514.8	2660.0	2306.6	2392.5	2287.5	2277.9	2223.0	2160.9	2075.0
24945.0	60°	18474.1	8641.3	2535.8	2273.1	2349.6	2192.0	2144.2	2122.7	2060.6	2017.7
27320.8	62.5°	19887.7	8755.9	2409.3	2277.9	2299.4	2098.8	2027.2	2020.0	1981.8	1967.5
29550.9	65°	20852.3	8443.1	2251.7	2273.1	2220.6	2003.3	1912.6	1910.2	1879.2	1874.4
30518.0	67.5°	20515.7	7452.2	2039.1	2206.3	2139.4	1907.8	1807.5	1798.0	1757.4	1759.8
29508.0	70°	18829.9	6038.7	1745.5	2041.5	2039.1	1821.9	1697.7	1666.7	1611.7	1621.3
25656.5	72.5°	15668.5	4474.7	1351.5	1766.9	1879.2	1743.1	1571.1	1521.0	1451.8	1461.3
18939.7	75°	11315.6	3042.0	983.8	1344.3	1635.6	1649.9	1447.0	1361.0	1277.5	1291.8
10542.0	77.5°	5790.3	1724.0	723.5	926.5	1284.6	1499.5	1334.8	1220.1	1201.0	1334.8
3039.6	80°	1888.7	864.4	501.4	649.5	842.9	1227.3	1170.0	1038.7	1033.9	1064.9
637.5	82.5°	563.5	365.3	322.3	427.4	465.6	940.8	1010.0	785.6	675.7	711.6
212.5	85°	193.4	176.7	183.9	212.5	222.1	551.6	706.8	520.5	491.9	542.0
47.8	87.5°	45.4	62.1	52.5	47.8	47.8	133.7	274.6	217.3	300.9	200.6
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>
5427.4
4290.8
3899.2
3951.7
4085.5
4200.1
4264.5
4255.0
4149.9
3973.2
3782.2
3607.9
3462.3
3397.8
3307.1
3144.7
2846.2
2681.5
2643.3
2535.8
2411.6
2270.8
2170.5
2046.3
2029.6
1967.5
1872.0
1759.8
1630.8
1458.9
1296.6
1315.7
914.5
735.4
534.9
193.4
0.0

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