

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: P953307

Luminaire Tested: **GALN-SB6D-927-U-T2R**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P953307  
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-SB6D-927-U-T2R  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

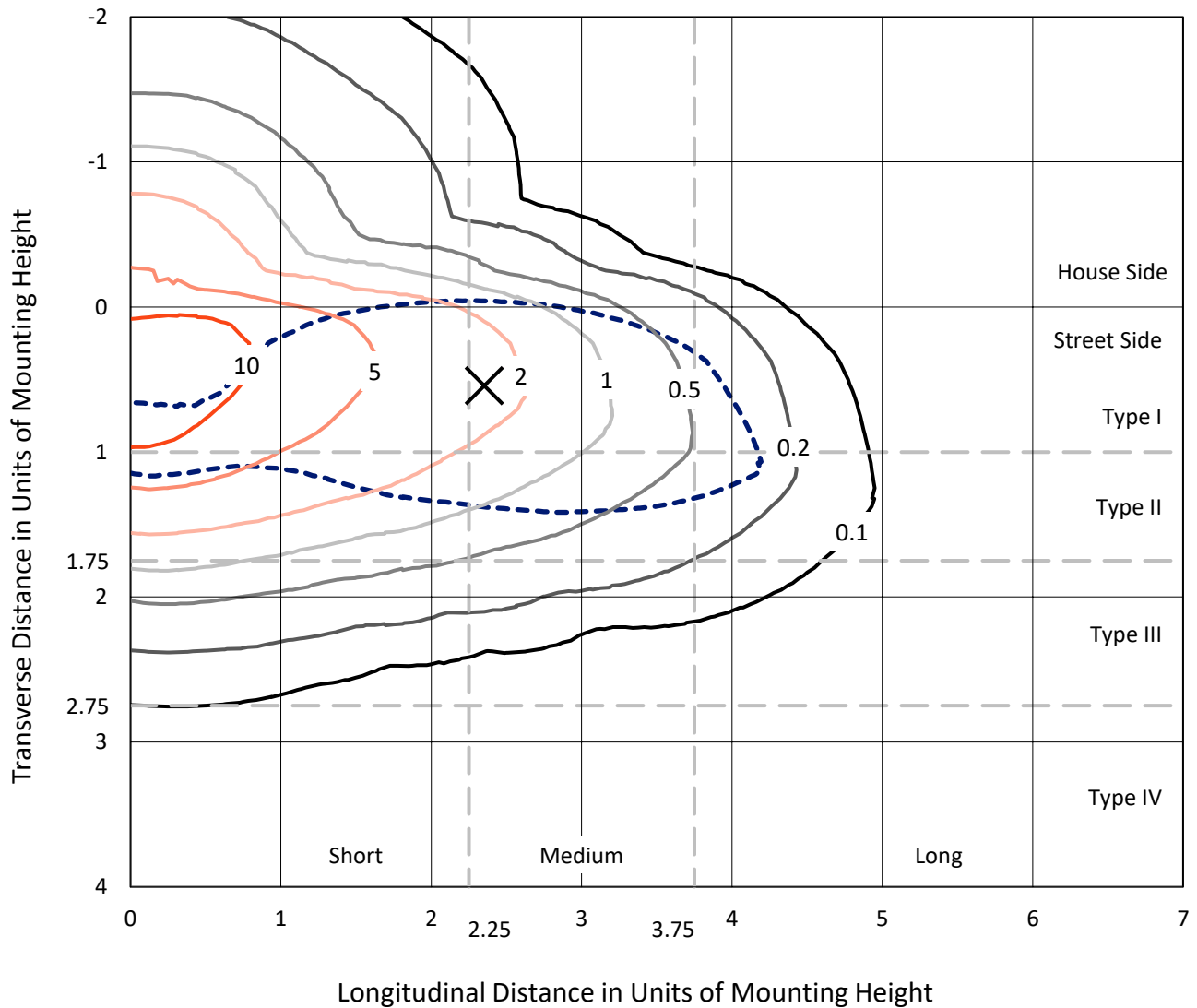
Lumens per Lamp: N/A  
Luminaire Lumens: 38258 lumens  
Efficiency: N/A  
Efficacy: 86.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 440.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

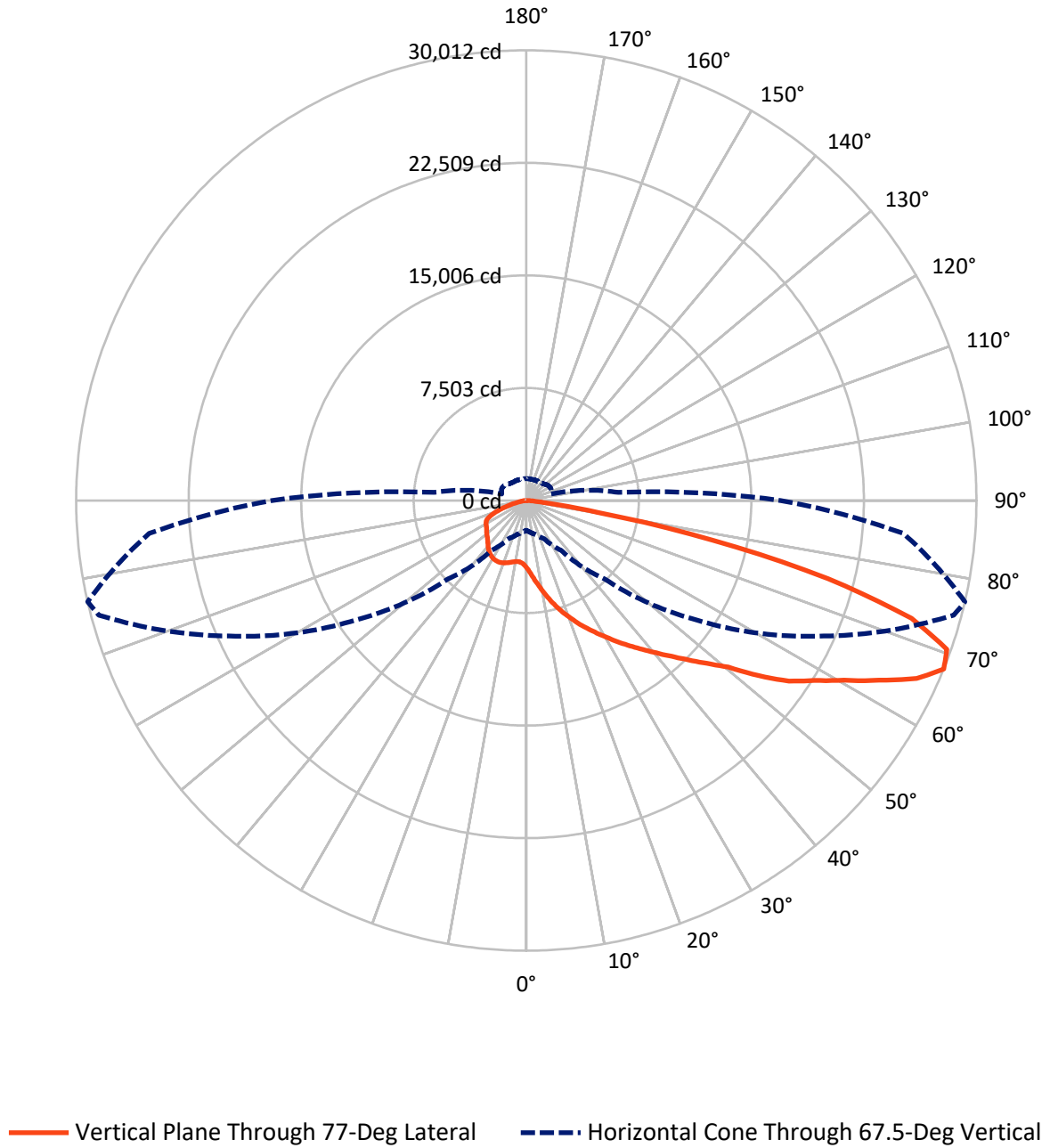
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14 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	7236.9	0.0	7236.9
	% Fixture	18.9	0.0	18.9
<b>Street Side</b>	Lumens	31021.1	0.0	31021.1
	% Fixture	81.1	0.0	81.1
<b>Total</b>	Lumens	38258.0	0.0	38258.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	481.1	1.3
10°-20°	1728.6	4.5
20°-30°	3263.7	8.5
30°-40°	5257.7	13.7
40°-50°	7191.6	18.8
50°-60°	8112.2	21.2
60°-70°	7571.7	19.8
70°-80°	4150.6	10.8
80°-90°	500.7	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°	38258.0	100.0
0°-180°	38258.0	100.0



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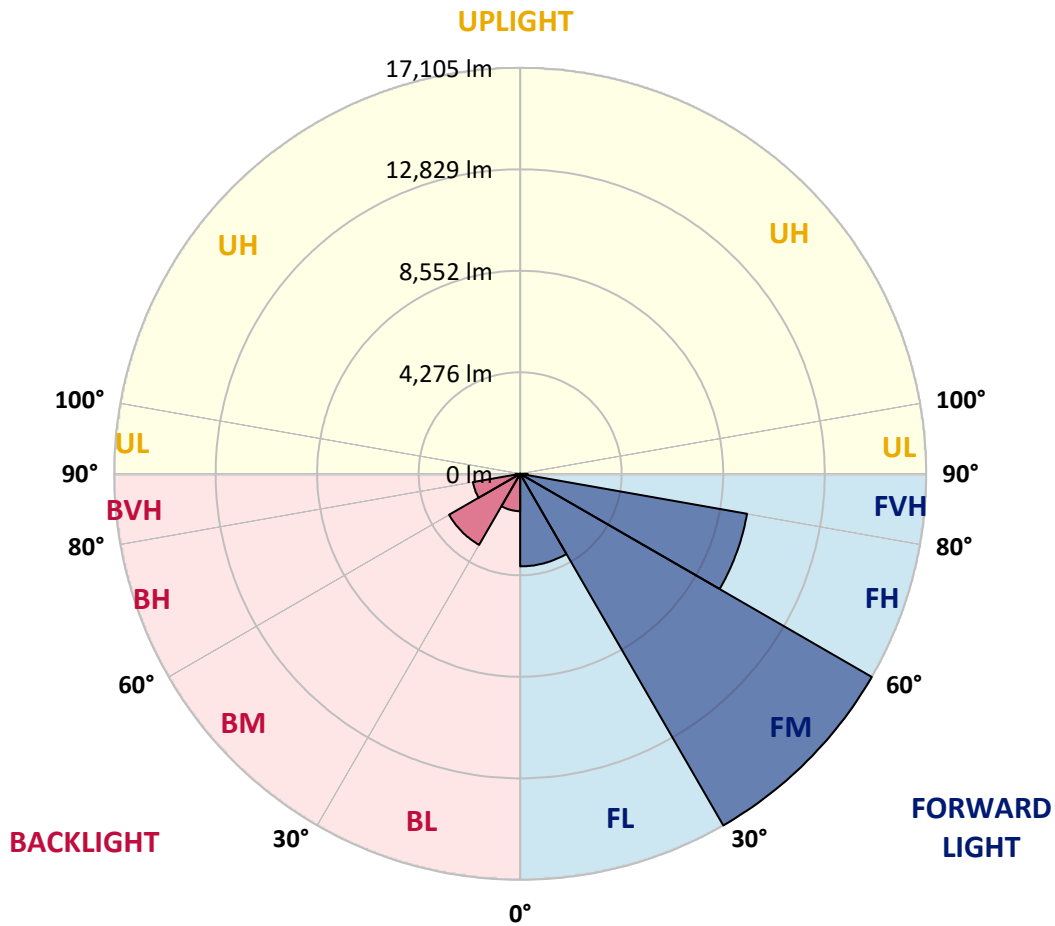
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3899.9	10.2			
FM (30°-60°)	17104.7	44.7			
FH (60°-80°)	9703.4	25.4			G4/12000
FVH (80°-90°)	313.1	0.8			G3/500
BL (0°-30°)	1573.5	4.1	B3/2500		
BM (30°-60°)	3456.9	9.0	B3/5000		
BH (60°-80°)	2019.0	5.3	B3/2500		G3/2500
BVH (80°-90°)	187.6	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 II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	4488.9	4488.9	4488.9	4488.9	4488.9	4488.9	4488.9	4488.9	4488.9	4488.9
2.5°	5620.4	5659.9	5610.6	5610.6	5444.7	5357.8	5191.9	5065.5	4838.4	4798.9
5°	6643.4	6692.8	6623.7	6594.1	6398.5	6218.8	5940.4	5665.9	5261.0	5219.5
7.5°	7435.3	7498.5	7437.3	7405.7	7231.9	7030.5	6704.6	6321.5	5750.8	5669.8
10°	8081.1	8091.0	8071.2	8083.1	7946.8	7780.9	7447.2	7000.9	6287.9	6177.4
12.5°	8446.5	8491.9	8531.4	8602.5	8578.8	8476.1	8175.9	7642.7	6856.7	6714.5
15°	8618.3	8697.3	8786.1	8950.1	9082.4	9108.0	8879.0	8331.9	7435.3	7263.5
17.5°	8679.5	8754.5	8894.8	9131.7	9416.1	9607.7	9505.0	9001.4	8008.0	7810.6
20°	8989.6	9011.3	9096.2	9321.3	9629.4	9947.4	10024.4	9645.2	8574.8	8351.7
22.5°	9653.1	9609.7	9633.4	9736.0	9957.2	10265.3	10441.1	10214.0	9157.4	8900.7
25°	10749.2	10622.8	10496.4	10377.9	10490.4	10664.2	10863.7	10782.7	9767.6	9441.8
27.5°	12133.5	11979.5	11701.0	11312.0	11175.7	11236.9	11325.8	11310.0	10332.5	10002.7
30°	13496.2	13316.5	12984.7	12421.9	12062.4	11900.5	11833.3	11787.9	10946.6	10595.1
32.5°	14584.3	14442.1	14116.3	13486.3	12964.9	12688.5	12465.3	12303.4	11588.5	11236.9
35°	15536.2	15403.9	15030.6	14343.4	13776.6	13482.4	13190.1	12844.5	12256.0	11900.5
37.5°	16405.1	16272.8	15761.3	15046.4	14475.7	14272.3	14011.6	13425.1	12925.4	12589.7
40°	16954.2	16924.5	16446.6	15636.9	15044.5	14943.7	14856.9	14098.5	13668.0	13356.0
42.5°	17094.4	17159.5	16780.4	16114.8	15550.0	15469.1	15672.5	14860.8	14501.4	14203.2
45°	16756.7	16944.3	16695.4	16243.2	15909.5	15866.0	16395.3	15694.2	15423.6	15151.1
47.5°	15901.6	16219.5	16116.8	16053.6	16006.2	16193.8	17031.2	16578.9	16468.3	16231.4
50°	14175.5	14777.9	14957.6	15356.5	15814.7	16448.6	17609.8	17544.6	17688.8	17449.8
52.5°	11191.5	12021.0	13063.7	14063.0	15226.2	16363.7	18245.7	18931.0	19539.2	19408.9
55°	9238.4	9611.6	10413.4	12246.1	14084.7	16006.2	18532.1	20050.7	21375.9	21259.3
57.5°	7737.5	8071.2	8565.0	10095.5	12358.7	15194.6	18709.8	20734.0	22633.8	22622.0
60°	6128.0	6481.5	6987.0	8071.2	10342.3	13792.4	18670.3	21512.1	24239.4	24338.1
62.5°	4311.1	4700.2	5261.0	6272.1	8282.6	11975.5	17864.6	22075.0	26129.3	26397.9
65°	2833.9	3090.7	3513.3	4386.2	6171.4	9639.3	16326.2	22148.0	28151.6	28605.8
67.5°	1986.7	2085.4	2334.3	2808.2	4068.2	7391.9	13875.4	21391.7	29500.4	30011.9
70°	1550.3	1599.6	1726.0	1915.6	2555.5	4970.7	10632.6	19424.7	29212.1	29745.3
72.5°	1339.0	1386.4	1433.7	1457.4	1714.2	3068.9	7202.3	16241.2	26496.7	26858.1
75°	1214.5	1226.4	1265.9	1258.0	1307.4	1990.7	4157.1	11833.3	20905.8	20781.4
77.5°	1021.0	1036.8	1102.0	1092.1	1161.2	1360.7	2158.5	7636.8	13553.4	12708.2
80°	865.0	872.9	944.0	932.1	1009.2	985.5	1102.0	3892.4	5748.8	4870.0
82.5°	300.2	371.3	720.8	742.5	770.2	596.4	635.9	1587.8	1755.6	1344.9
85°	146.1	156.0	367.3	521.4	519.4	300.2	310.1	566.8	553.0	434.5
87.5°	23.7	29.6	43.4	203.4	161.9	79.0	106.6	110.6	114.5	98.7
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°
4488.9	0°	4488.9	4488.9	4488.9	4488.9	4488.9	4488.9	4488.9	4488.9	4488.9	4488.9
4648.8	2.5°	4538.2	4439.5	4232.1	4040.6	3890.5	3746.3	3665.3	3596.2	3556.7	3548.8
4866.0	5°	4660.7	4457.3	4080.1	3762.1	3554.7	3400.7	3319.7	3268.4	3242.7	3226.9
5158.3	7.5°	4836.4	4538.2	4001.1	3639.7	3422.4	3311.8	3270.4	3262.5	3260.5	3262.5
5511.8	10°	5079.3	4670.5	3993.2	3610.0	3428.4	3367.1	3365.2	3367.1	3375.0	3377.0
5896.9	12.5°	5342.0	4806.8	4024.8	3635.7	3503.4	3469.8	3463.9	3461.9	3467.9	3471.8
6286.0	15°	5628.3	4986.5	4078.1	3691.0	3586.3	3550.8	3544.9	3533.0	3531.0	3529.1
6694.8	17.5°	5922.6	5164.3	4137.3	3750.3	3639.7	3590.3	3568.6	3540.9	3519.2	3513.3
7117.4	20°	6220.8	5340.0	4178.8	3779.9	3643.6	3574.5	3531.0	3483.6	3446.1	3424.4
7544.0	22.5°	6538.8	5523.7	4204.5	3772.0	3608.1	3513.3	3434.3	3379.0	3321.7	3284.2
7974.5	25°	6848.8	5683.6	4202.5	3730.5	3538.9	3418.5	3317.8	3246.7	3167.7	3128.2
8418.8	27.5°	7147.0	5827.8	4153.1	3657.4	3440.2	3305.9	3185.4	3100.5	3023.5	2986.0
8867.1	30°	7455.1	5948.3	4076.1	3550.8	3323.7	3175.6	3043.3	2970.2	2901.1	2865.5
9341.1	32.5°	7761.2	6058.9	3967.5	3418.5	3189.4	3047.2	2916.9	2849.7	2808.2	2808.2
9850.6	35°	8085.1	6135.9	3823.3	3264.4	3047.2	2910.9	2808.2	2768.8	2764.8	2741.1
10389.7	37.5°	8426.7	6185.3	3647.6	3106.5	2907.0	2778.6	2747.0	2699.6	2660.1	2608.8
10982.2	40°	8786.1	6234.6	3436.3	2942.5	2758.9	2687.8	2674.0	2610.8	2498.2	2371.8
11653.6	42.5°	9222.6	6268.2	3217.0	2778.6	2602.9	2579.2	2598.9	2490.3	2310.6	2215.8
12463.3	45°	9728.1	6323.5	3015.6	2616.7	2442.9	2442.9	2525.8	2383.7	2235.5	2176.3
13387.6	47.5°	10383.8	6451.9	2828.0	2438.9	2294.8	2334.3	2363.9	2255.3	2172.3	2099.3
14513.2	50°	11331.7	6759.9	2634.5	2259.2	2182.2	2261.2	2219.7	2156.5	2059.8	2000.5
16302.5	52.5°	12508.7	6941.6	2462.6	2097.3	2085.4	2164.4	2105.2	2046.0	1972.9	1893.9
17659.2	55°	13310.5	6975.2	2318.5	1978.8	2020.3	2012.4	1990.7	1937.3	1897.8	1793.2
18998.1	57.5°	14207.1	7042.3	2200.0	1907.7	1978.8	1891.9	1884.0	1838.6	1787.2	1716.2
20631.3	60°	15279.5	7147.0	2097.3	1880.1	1943.3	1812.9	1773.4	1755.6	1704.3	1668.8
22596.3	62.5°	16448.6	7241.8	1992.6	1884.0	1901.8	1735.9	1676.7	1670.7	1639.1	1627.3
24440.8	65°	17246.4	6983.1	1862.3	1880.1	1836.6	1656.9	1581.9	1579.9	1554.2	1550.3
25240.7	67.5°	16968.0	6163.5	1686.5	1824.8	1769.5	1577.9	1495.0	1487.1	1453.5	1455.5
24405.3	70°	15573.7	4994.4	1443.6	1688.5	1686.5	1506.8	1404.1	1378.5	1333.0	1340.9
21219.8	72.5°	12959.0	3700.9	1117.8	1461.4	1554.2	1441.6	1299.5	1258.0	1200.7	1208.6
15664.6	75°	9358.9	2516.0	813.6	1111.8	1352.8	1364.6	1196.8	1125.7	1056.5	1068.4
8719.0	77.5°	4789.0	1425.8	598.4	766.2	1062.5	1240.2	1103.9	1009.2	993.4	1103.9
2514.0	80°	1562.1	714.9	414.7	537.2	697.1	1015.1	967.7	859.1	855.1	880.8
527.3	82.5°	466.1	302.2	266.6	353.5	385.1	778.1	835.4	649.7	558.9	588.5
175.8	85°	160.0	146.1	152.1	175.8	183.7	456.2	584.6	430.5	406.8	448.3
39.5	87.5°	37.5	51.3	43.4	39.5	39.5	110.6	227.1	179.7	248.8	165.9
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>
4488.9
3548.8
3224.9
3268.4
3379.0
3473.8
3527.1
3519.2
3432.3
3286.2
3128.2
2984.0
2863.5
2810.2
2735.2
2600.9
2354.0
2217.8
2186.2
2097.3
1994.6
1878.1
1795.1
1692.5
1678.6
1627.3
1548.3
1455.5
1348.8
1206.6
1072.3
1088.1
756.4
608.3
442.4
160.0
0.0

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