

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: P942579

Luminaire Tested: **GALN-SB6C-927-U-T4FT**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P942579  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GALN-SB6C-927-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

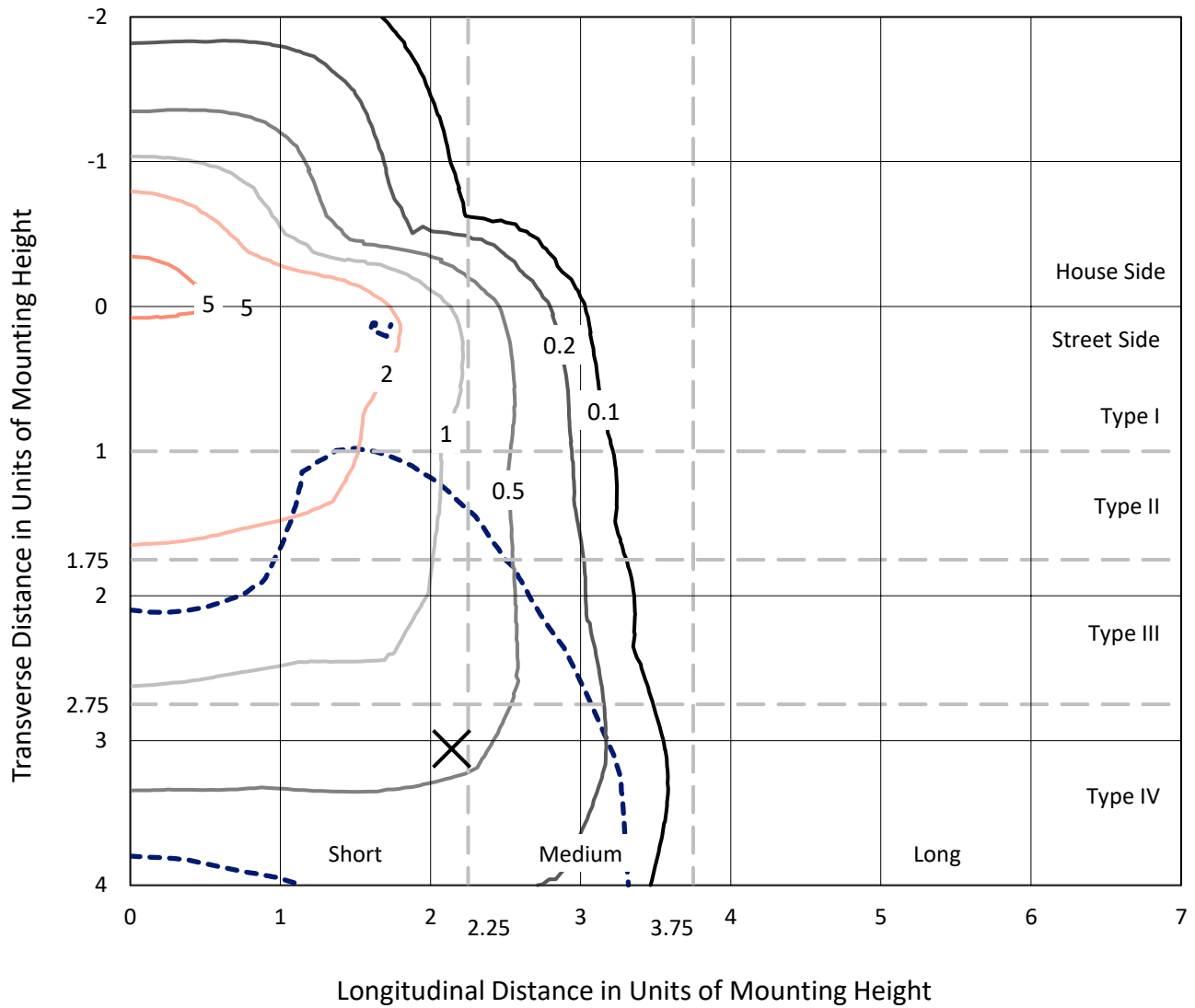
Lumens per Lamp: N/A  
Luminaire Lumens: 27322 lumens  
Efficiency: N/A  
Efficacy: 90.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 300.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

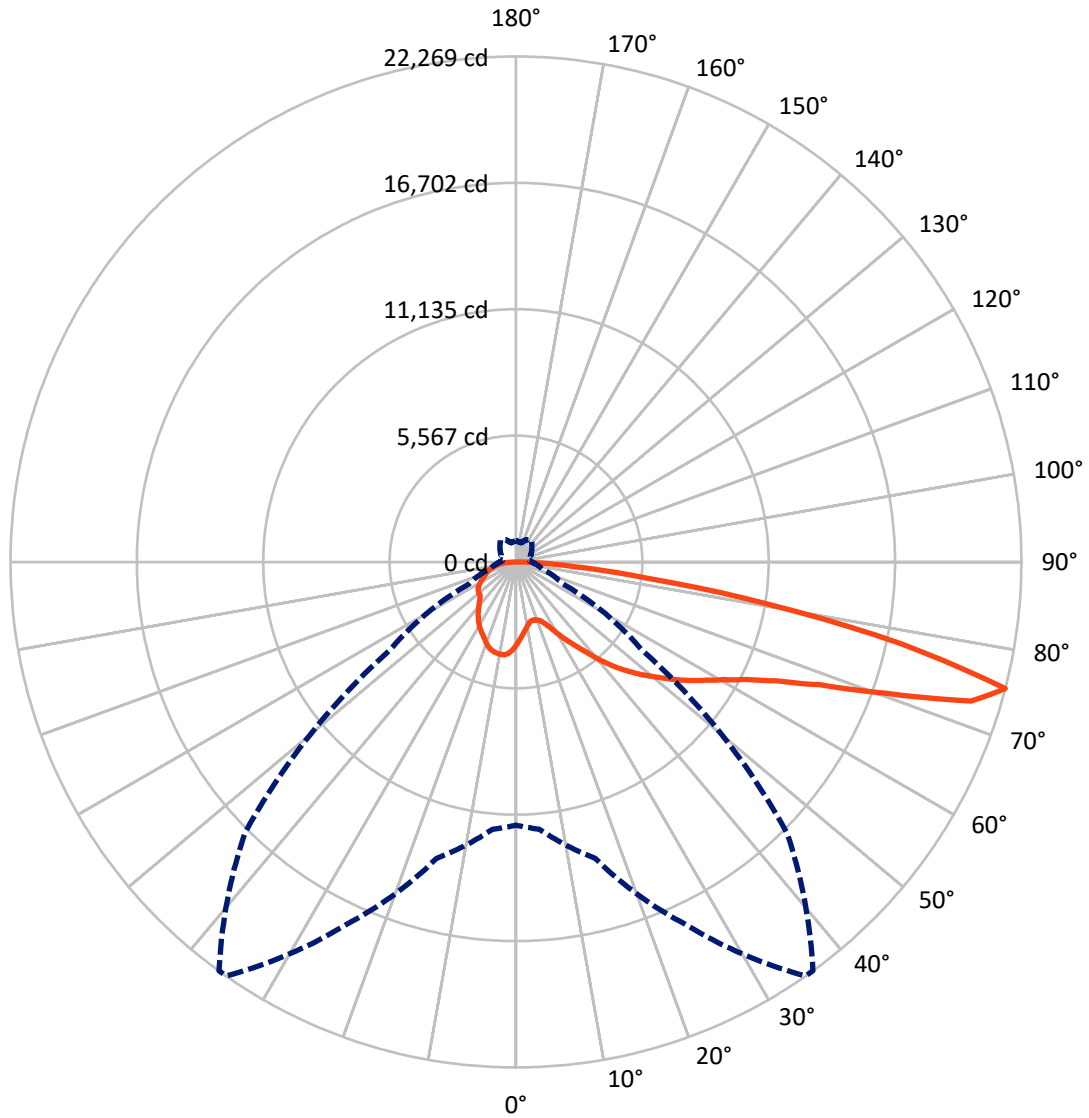
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 75-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6502.0	0.0	6502.0
	% Fixture	23.8	0.0	23.8
<b>Street Side</b>	Lumens	20820.1	0.0	20820.1
	% Fixture	76.2	0.0	76.2
<b>Total</b>	Lumens	27322.0	0.0	27322.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	344.7	1.3
10°-20°	994.3	3.6
20°-30°	1669.7	6.1
30°-40°	2594.9	9.5
40°-50°	3851.6	14.1
50°-60°	5317.4	19.5
60°-70°	6451.2	23.6
70°-80°	5331.4	19.5
80°-90°	766.8	2.8
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°	27322.0	100.0
0°-180°	27322.0	100.0

**Coefficient of Utilization**



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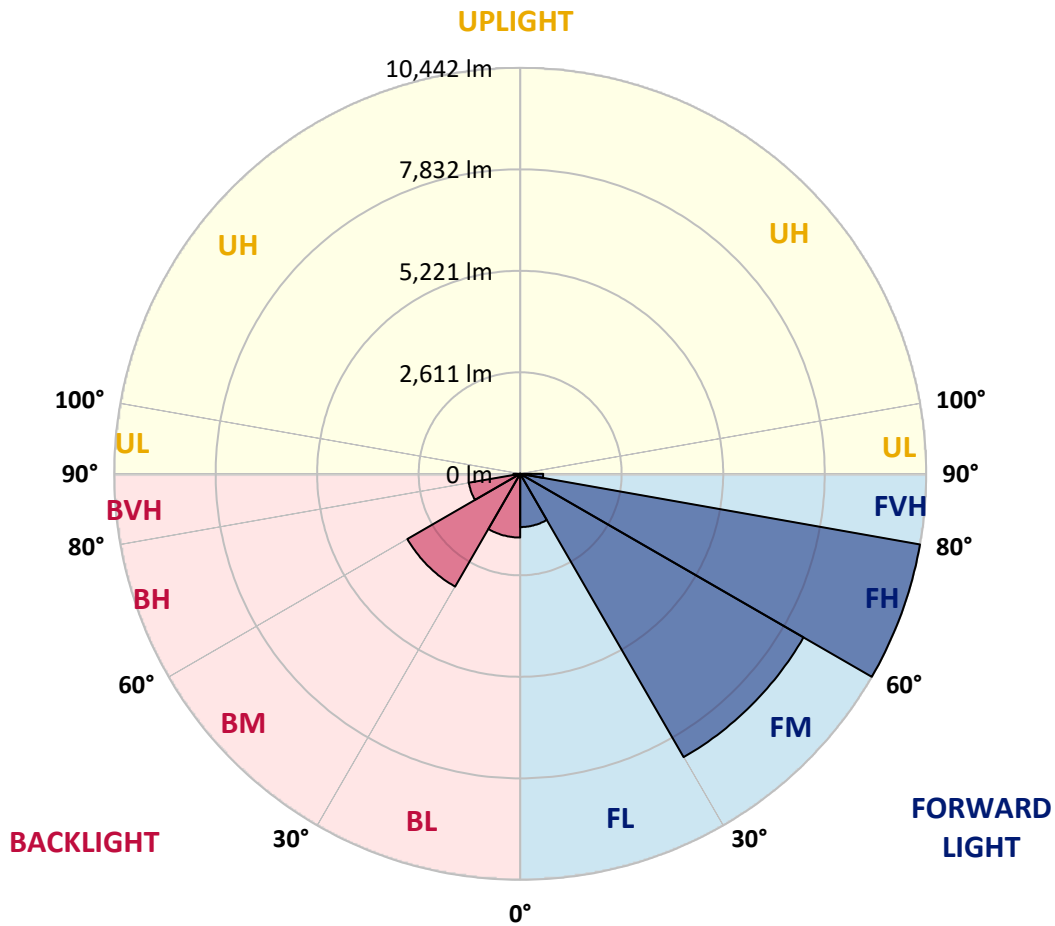
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1370.1	5.0			
FM (30°-60°)	8413.7	30.8			
FH (60°-80°)	10442.1	38.2			G4/12000
FVH (80°-90°)	594.2	2.2			G4/750
BL (0°-30°)	1638.6	6.0	B3/2500		
BM (30°-60°)	3350.2	12.3	B3/5000		
BH (60°-80°)	1340.5	4.9	B3/2500		G3/2500
BVH (80°-90°)	172.7	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 IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	3640.8	3640.8	3640.8	3640.8	3640.8	3640.8	3640.8	3640.8	3640.8	3640.8
2.5°	3357.3	3377.9	3386.8	3382.4	3404.5	3401.6	3432.6	3471.0	3524.2	3575.9
5°	3098.8	3120.9	3140.1	3157.9	3200.7	3214.0	3262.7	3336.6	3434.1	3533.0
7.5°	2858.0	2877.2	2906.8	2939.3	3011.6	3024.9	3106.2	3221.4	3357.3	3502.0
10°	2661.6	2680.8	2711.8	2748.7	2838.8	2855.1	2958.5	3112.1	3289.3	3472.5
12.5°	2577.4	2583.3	2601.0	2637.9	2716.2	2726.6	2840.3	3016.1	3222.8	3450.3
15°	2573.0	2584.8	2586.3	2605.5	2670.4	2674.9	2779.7	2954.0	3181.5	3445.9
17.5°	2617.3	2626.1	2612.8	2624.7	2679.3	2686.7	2769.4	2924.5	3168.2	3465.1
20°	2735.4	2742.8	2702.9	2686.7	2726.6	2732.5	2813.7	2943.7	3181.5	3505.0
22.5°	2986.5	2991.0	2893.5	2827.0	2830.0	2832.9	2903.8	3022.0	3233.2	3577.3
25°	3377.9	3375.0	3219.9	3091.4	3017.5	3001.3	3048.6	3149.0	3320.3	3673.3
27.5°	3835.8	3813.7	3658.6	3466.6	3305.6	3281.9	3271.6	3314.4	3444.4	3800.4
30°	4352.8	4332.1	4165.2	3914.1	3691.1	3652.7	3555.2	3533.0	3629.0	3973.2
32.5°	4919.9	4906.6	4707.2	4403.0	4104.6	4060.3	3896.4	3837.3	3912.6	4234.6
35°	5395.5	5383.7	5218.3	4905.2	4540.3	4485.7	4318.8	4252.3	4290.7	4569.9
37.5°	5825.3	5819.4	5677.6	5431.0	5054.3	4987.9	4800.3	4778.1	4770.8	5011.5
40°	6224.1	6209.4	6061.7	5931.7	5652.5	5592.0	5426.6	5407.4	5351.2	5555.1
42.5°	6665.8	6627.4	6413.2	6352.6	6277.3	6227.1	6128.1	6131.1	6007.0	6168.0
45°	7026.2	7004.0	6783.9	6748.5	6829.7	6809.0	6894.7	6916.9	6676.1	6810.5
47.5°	7413.1	7392.5	7206.4	7181.2	7401.3	7407.2	7710.0	7717.4	7328.9	7478.1
50°	7890.2	7860.7	7676.0	7707.1	7953.7	7975.9	8529.8	8479.5	7930.1	8156.1
52.5°	8204.8	8222.5	8182.7	8232.9	8569.6	8590.3	9336.2	9207.7	8525.3	8825.2
55°	8436.7	8472.2	8596.2	8711.4	9219.5	9240.2	10096.9	9900.4	9018.7	9445.5
57.5°	8735.1	8684.8	8916.7	9141.2	9836.9	9891.6	10836.9	10568.0	9455.8	9980.2
60°	9163.4	9128.0	9308.1	9640.5	10528.2	10615.3	11619.7	11169.2	9776.4	10404.1
62.5°	10031.9	9943.3	9971.3	10265.3	11399.6	11514.8	12502.9	11693.5	9935.9	10569.5
65°	11330.2	11178.0	11036.3	11240.1	12627.0	12740.7	13499.9	12105.6	9876.8	10249.0
67.5°	12965.2	12814.6	12640.3	12832.3	14434.9	14525.0	14730.3	12337.5	9411.5	9014.2
70°	14313.7	14257.6	14465.9	15256.1	17322.4	17325.4	16307.7	12145.5	8136.9	6391.0
72.5°	14135.0	14101.1	15198.5	17641.5	20961.8	20883.5	17801.0	10692.1	5481.2	2883.1
75°	11596.0	11816.1	13516.2	17598.6	22269.0	22258.6	16886.7	6797.2	2267.2	1194.9
77.5°	6218.2	6566.8	8774.9	12993.3	17384.5	17645.9	11872.2	2378.0	973.4	765.1
80°	2027.9	2332.2	3497.6	6615.5	11296.2	11247.5	5088.3	933.5	666.1	542.1
82.5°	861.1	896.5	1562.7	3123.9	5797.3	5707.2	1620.3	536.2	468.2	370.7
85°	336.8	376.6	689.8	1444.5	2510.9	2456.3	584.9	265.9	299.8	242.2
87.5°	110.8	134.4	246.7	494.8	781.3	753.3	143.3	91.6	130.0	110.8
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°
3640.8	0°	3640.8	3640.8	3640.8	3640.8	3640.8	3640.8	3640.8	3640.8	3640.8	3640.8
3651.2	2.5°	3671.9	3695.5	3723.6	3764.9	3800.4	3829.9	3860.9	3880.1	3887.5	3909.7
3657.1	5°	3698.4	3750.1	3819.6	3887.5	3954.0	3993.8	4029.3	4047.0	4063.3	4075.1
3673.3	7.5°	3742.8	3809.2	3918.5	4007.1	4063.3	4095.8	4119.4	4113.5	4119.4	4122.3
3691.1	10°	3781.2	3874.2	4004.2	4088.4	4131.2	4132.7	4126.8	4106.1	4095.8	4097.2
3717.6	12.5°	3826.9	3930.3	4070.7	4141.5	4153.4	4120.9	4095.8	4060.3	4047.0	4041.1
3757.5	15°	3889.0	4007.1	4143.0	4169.6	4140.1	4098.7	4055.9	3998.3	3968.7	3945.1
3825.5	17.5°	3964.3	4094.3	4199.2	4180.0	4116.4	4048.5	3979.1	3891.9	3831.4	3806.3
3918.5	20°	4069.2	4185.9	4242.0	4157.8	4061.8	3958.4	3840.2	3733.9	3677.8	3652.7
4036.7	22.5°	4196.2	4308.5	4283.3	4119.4	3983.5	3818.1	3670.4	3592.1	3564.0	3546.3
4188.8	25°	4348.3	4444.3	4312.9	4063.3	3855.0	3632.0	3518.2	3493.1	3479.8	3466.6
4374.9	27.5°	4546.3	4597.9	4335.0	3980.6	3654.1	3434.1	3392.7	3397.1	3392.7	3370.5
4633.4	30°	4807.7	4797.3	4355.7	3846.1	3423.7	3255.3	3258.3	3277.5	3280.4	3265.7
4993.8	32.5°	5151.8	5047.0	4366.1	3671.9	3203.6	3098.8	3101.7	3122.4	3137.2	3112.1
5465.0	35°	5568.3	5337.9	4349.8	3453.3	3033.8	2949.6	2927.4	2933.4	2937.8	2914.2
6036.6	37.5°	6054.3	5664.4	4277.4	3211.0	2893.5	2803.4	2756.1	2716.2	2692.6	2670.4
6683.5	40°	6587.5	6020.3	4144.5	2974.7	2736.9	2648.3	2577.4	2502.1	2422.3	2392.8
7368.8	42.5°	7145.8	6386.6	3983.5	2748.7	2556.7	2484.3	2409.0	2299.7	2180.1	2119.5
8080.7	45°	7724.8	6761.8	3825.5	2525.7	2372.1	2341.1	2253.9	2122.5	1992.5	1915.7
8794.1	47.5°	8292.0	7116.3	3593.6	2301.2	2199.3	2233.2	2165.3	2044.2	1899.4	1778.3
9501.6	50°	8834.0	7448.6	3214.0	2073.7	2059.0	2200.8	2135.8	1961.5	1796.0	1641.0
10195.8	52.5°	9371.7	7717.4	2728.0	1866.9	1983.6	2191.9	2097.4	1905.3	1703.0	1540.5
10848.7	55°	9828.1	7856.2	2259.8	1689.7	1874.3	2116.6	2051.6	1838.9	1571.5	1398.7
11296.2	57.5°	10088.0	7744.0	1869.9	1515.4	1723.7	1992.5	1973.3	1697.1	1415.0	1282.0
11383.4	60°	9975.8	7289.1	1550.9	1363.3	1580.4	1858.1	1837.4	1556.8	1295.3	1169.8
10916.6	62.5°	9356.9	6422.1	1298.3	1230.4	1450.4	1720.7	1701.5	1449.0	1203.8	1082.7
9677.4	65°	8110.3	5224.2	1101.9	1119.6	1319.0	1555.3	1583.4	1358.9	1131.4	1013.2
7487.0	67.5°	6185.7	3784.1	948.2	1023.6	1190.5	1392.8	1474.1	1293.9	1070.8	958.6
4332.1	70°	3525.6	2149.1	818.3	930.5	1076.7	1242.2	1389.9	1242.2	1005.8	912.8
1623.2	72.5°	1336.7	986.6	707.5	837.5	967.4	1115.1	1296.8	1160.9	930.5	861.1
838.9	75°	713.4	601.1	595.2	728.2	841.9	991.1	1180.1	1081.2	874.4	909.8
580.5	77.5°	485.9	425.4	497.8	623.3	704.5	853.7	1056.1	960.1	757.7	754.8
401.7	80°	336.8	301.3	404.7	502.2	545.0	717.8	921.7	824.2	617.4	576.0
248.1	82.5°	202.4	196.4	302.8	375.2	385.5	553.9	763.6	691.2	505.1	440.2
147.7	85°	110.8	116.7	193.5	220.1	224.5	387.0	598.2	534.7	388.5	326.4
53.2	87.5°	31.0	39.9	70.9	87.1	107.8	200.9	356.0	317.6	195.0	135.9
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>
3640.8
3908.2
4078.0
4126.8
4100.2
4038.2
3952.5
3807.7
3649.7
3549.3
3466.6
3375.0
3273.1
3123.9
2930.4
2685.2
2406.1
2126.9
1909.8
1765.0
1627.7
1522.8
1384.0
1264.3
1152.1
1063.5
994.0
940.9
901.0
849.3
939.4
695.7
550.9
443.1
329.4
135.9
0.0

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