

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: P942609

Luminaire Tested: **GALN-SB6C-940-U-T4FT**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P942609  
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-940-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

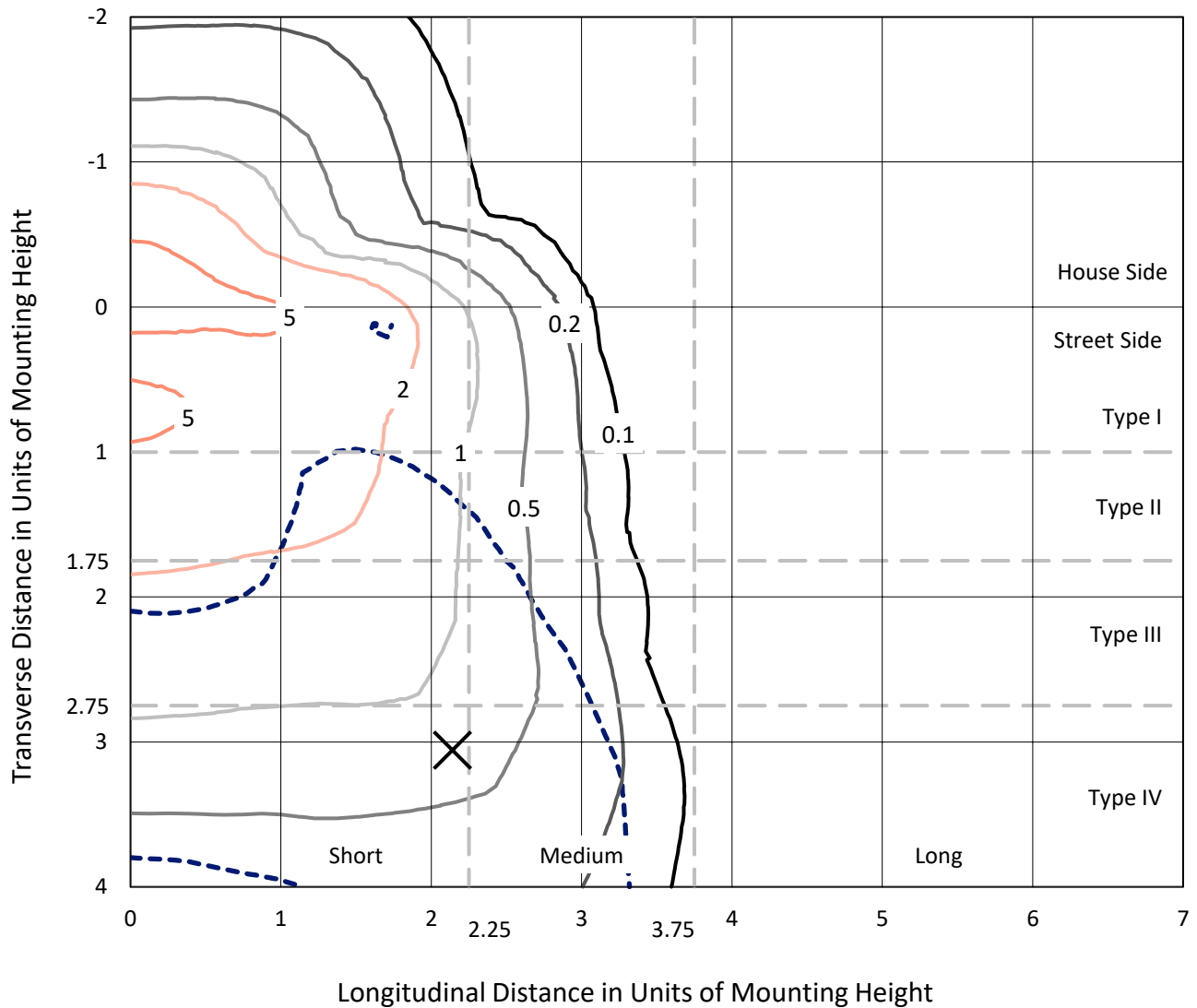
Lumens per Lamp: N/A  
Luminaire Lumens: 32526 lumens  
Efficiency: N/A  
Efficacy: 108.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5  
  
Input Watts (W): 300.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

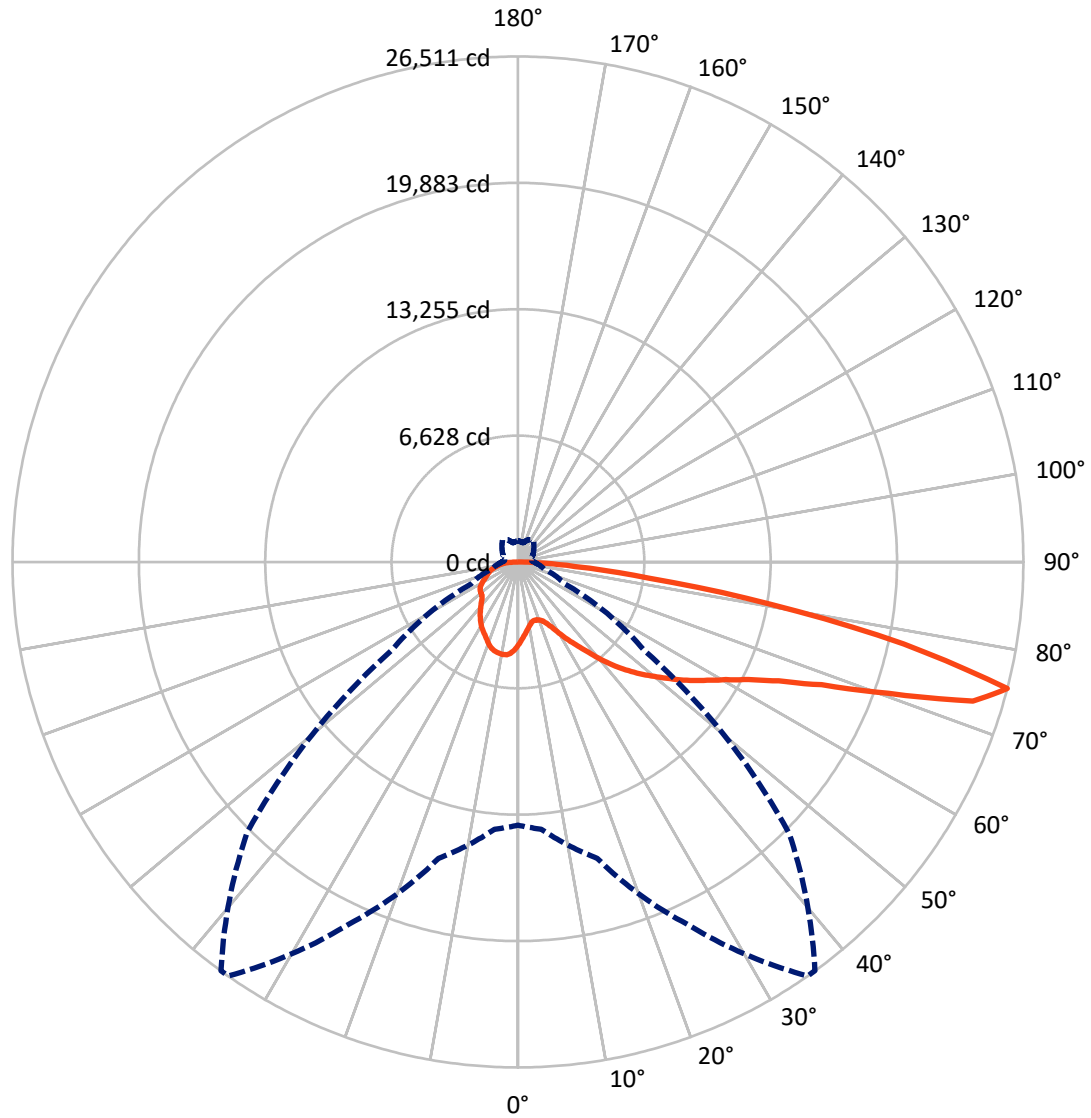
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.7 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	7740.4	0.0	7740.4
	% Fixture	23.8	0.0	23.8
<b>Street Side</b>	Lumens	24785.6	0.0	24785.6
	% Fixture	76.2	0.0	76.2
<b>Total</b>	Lumens	32526.0	0.0	32526.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	410.4	1.3
10°-20°	1183.7	3.6
20°-30°	1987.7	6.1
30°-40°	3089.2	9.5
40°-50°	4585.2	14.1
50°-60°	6330.1	19.5
60°-70°	7679.9	23.6
70°-80°	6346.9	19.5
80°-90°	912.9	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°	32526.0	100.0
0°-180°	32526.0	100.0

**Coefficient of Utilization**



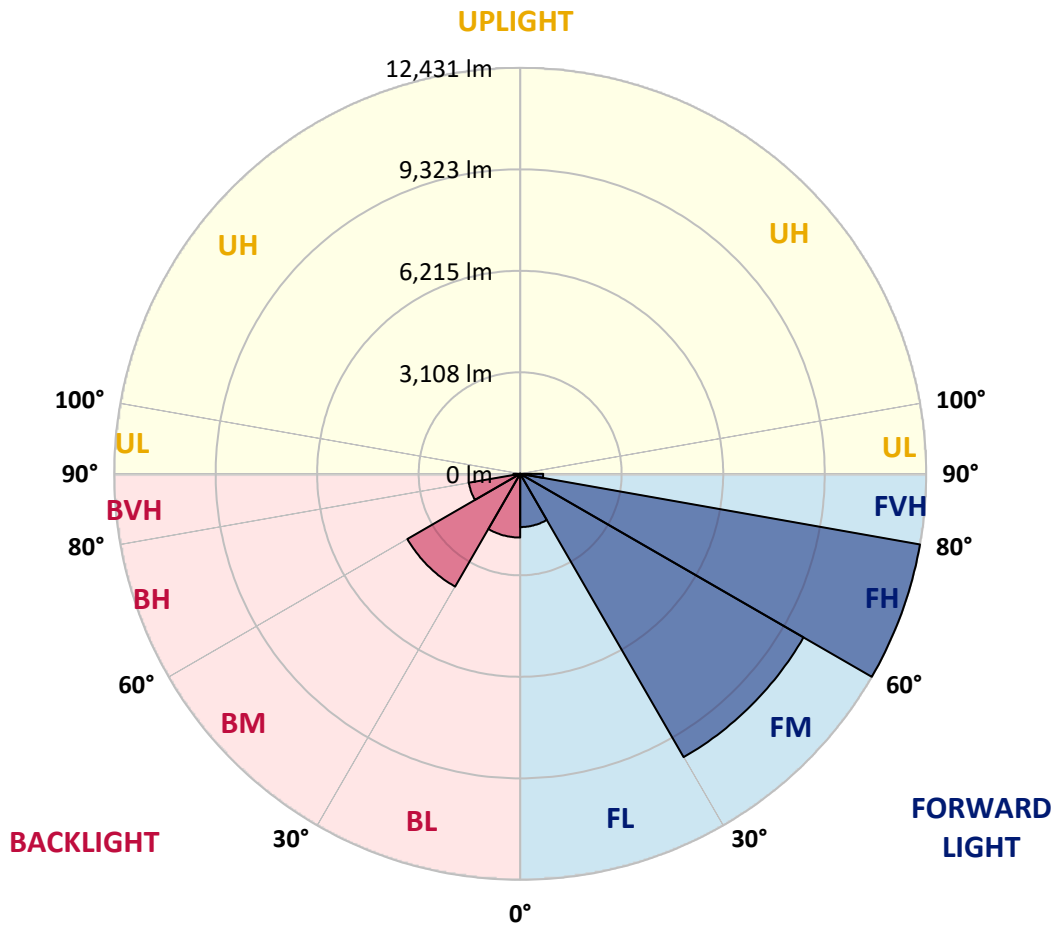
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1631.1	5.0			
FM (30°-60°)	10016.2	30.8			
FH (60°-80°)	12430.9	38.2			G5
FVH (80°-90°)	707.3	2.2			G4/750
BL (0°-30°)	1950.7	6.0	B3/2500		
BM (30°-60°)	3988.3	12.3	B3/5000		
BH (60°-80°)	1595.8	4.9	B3/2500		G3/2500
BVH (80°-90°)	205.6	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-G5**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	4334.3	4334.3	4334.3	4334.3	4334.3	4334.3	4334.3	4334.3	4334.3	4334.3
2.5°	3996.7	4021.3	4031.9	4026.6	4053.0	4049.5	4086.4	4132.1	4195.4	4256.9
5°	3689.0	3715.4	3738.2	3759.3	3810.3	3826.1	3884.2	3972.1	4088.1	4206.0
7.5°	3402.4	3425.2	3460.4	3499.1	3585.3	3601.1	3697.8	3834.9	3996.7	4169.0
10°	3168.5	3191.4	3228.3	3272.3	3379.5	3398.9	3522.0	3704.8	3915.8	4133.9
12.5°	3068.3	3075.3	3096.4	3140.4	3233.6	3245.9	3381.3	3590.5	3836.7	4107.5
15°	3063.0	3077.1	3078.9	3101.7	3179.1	3184.4	3309.2	3516.7	3787.5	4102.2
17.5°	3115.8	3126.3	3110.5	3124.6	3189.6	3198.4	3296.9	3481.5	3771.6	4125.1
20°	3256.4	3265.2	3217.8	3198.4	3245.9	3252.9	3349.6	3504.4	3787.5	4172.5
22.5°	3555.4	3560.6	3444.6	3365.5	3369.0	3372.5	3456.9	3597.6	3849.0	4258.7
25°	4021.3	4017.8	3833.2	3680.2	3592.3	3572.9	3629.2	3748.8	3952.7	4373.0
27.5°	4566.4	4540.0	4355.4	4126.8	3935.2	3907.0	3894.7	3945.7	4100.5	4524.2
30°	5181.8	5157.2	4958.5	4659.6	4394.1	4348.4	4232.3	4206.0	4320.2	4729.9
32.5°	5857.0	5841.2	5603.8	5241.6	4886.4	4833.7	4638.5	4568.2	4657.8	5041.2
35°	6423.2	6409.2	6212.2	5839.4	5405.1	5340.1	5141.4	5062.3	5108.0	5440.3
37.5°	6934.9	6927.9	6759.1	6465.4	6017.0	5937.9	5714.6	5688.2	5679.4	5966.0
40°	7409.6	7392.1	7216.2	7061.5	6729.2	6657.1	6460.1	6437.3	6370.5	6613.1
42.5°	7935.4	7889.7	7634.7	7562.6	7472.9	7413.2	7295.4	7298.9	7151.2	7342.8
45°	8364.4	8338.1	8076.1	8033.9	8130.6	8106.0	8207.9	8234.3	7947.7	8107.7
47.5°	8825.1	8800.5	8578.9	8549.1	8811.0	8818.1	9178.5	9187.3	8724.9	8902.5
50°	9393.1	9357.9	9138.1	9175.0	9468.7	9495.0	10154.4	10094.6	9440.5	9709.6
52.5°	9767.6	9788.7	9741.2	9801.0	10201.9	10226.5	11114.5	10961.5	10149.1	10506.1
55°	10043.6	10085.8	10233.5	10370.7	10975.6	11000.2	12020.0	11786.2	10736.4	11244.6
57.5°	10398.8	10339.0	10615.1	10882.4	11710.5	11775.6	12900.9	12580.9	11256.9	11881.1
60°	10908.7	10866.5	11081.1	11476.7	12533.5	12637.2	13832.9	13296.6	11638.5	12385.8
62.5°	11942.6	11837.1	11870.6	12220.5	13570.9	13708.0	14884.4	13920.8	11828.4	12582.7
65°	13488.2	13307.1	13138.3	13381.0	15032.1	15167.4	16071.2	14411.4	11758.0	12201.1
67.5°	15434.7	15255.4	15047.9	15276.5	17184.3	17291.5	17535.9	14687.4	11204.1	10731.2
70°	17040.1	16973.3	17221.2	18161.9	20621.8	20625.3	19413.8	14458.8	9686.7	7608.3
72.5°	16827.3	16786.9	18093.3	21001.6	24954.4	24861.2	21191.5	12728.6	6525.2	3432.3
75°	13804.7	14066.7	16090.6	20950.6	26510.5	26498.2	20103.1	8091.9	2699.1	1422.5
77.5°	7402.6	7817.6	10446.3	15468.1	20695.7	21006.9	14133.5	2830.9	1158.7	910.8
80°	2414.2	2776.4	4163.8	7875.6	13447.8	13389.8	6057.5	1111.3	793.0	645.3
82.5°	1025.1	1067.3	1860.3	3718.9	6901.5	6794.2	1928.9	638.3	557.4	441.3
85°	400.9	448.4	821.1	1719.7	2989.2	2924.1	696.3	316.5	356.9	288.4
87.5°	131.9	160.0	293.6	589.0	930.2	896.8	170.6	109.0	154.7	131.9
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°
4334.3	0°	4334.3	4334.3	4334.3	4334.3	4334.3	4334.3	4334.3	4334.3	4334.3	4334.3
4346.6	2.5°	4371.2	4399.4	4432.8	4482.0	4524.2	4559.4	4596.3	4619.2	4628.0	4654.3
4353.7	5°	4402.9	4464.4	4547.1	4628.0	4707.1	4754.6	4796.8	4817.9	4837.2	4851.3
4373.0	7.5°	4455.6	4534.8	4664.9	4770.4	4837.2	4875.9	4904.0	4897.0	4904.0	4907.5
4394.1	10°	4501.4	4612.1	4766.9	4867.1	4918.1	4919.8	4912.8	4888.2	4875.9	4877.6
4425.7	12.5°	4555.9	4678.9	4846.0	4930.4	4944.5	4905.8	4875.9	4833.7	4817.9	4810.8
4473.2	15°	4629.7	4770.4	4932.1	4963.8	4928.6	4879.4	4828.4	4759.8	4724.7	4696.5
4554.1	17.5°	4719.4	4874.1	4999.0	4976.1	4900.5	4819.6	4737.0	4633.2	4561.1	4531.2
4664.9	20°	4844.2	4983.1	5050.0	4949.7	4835.4	4712.4	4571.7	4445.1	4378.3	4348.4
4805.5	22.5°	4995.4	5129.1	5099.2	4904.0	4742.2	4545.3	4369.5	4276.3	4242.9	4221.8
4986.7	25°	5176.6	5290.8	5134.4	4837.2	4589.3	4323.8	4188.4	4158.5	4142.7	4126.8
5208.2	27.5°	5412.2	5473.7	5160.7	4738.7	4350.1	4088.1	4038.9	4044.2	4038.9	4012.5
5515.9	30°	5723.4	5711.1	5185.3	4578.7	4075.8	3875.4	3878.9	3901.8	3905.3	3887.7
5944.9	32.5°	6133.1	6008.2	5197.7	4371.2	3813.8	3689.0	3692.5	3717.1	3734.7	3704.8
6505.9	35°	6628.9	6354.6	5178.3	4111.0	3611.6	3511.4	3485.0	3492.1	3497.3	3469.2
7186.3	37.5°	7207.4	6743.2	5092.2	3822.6	3444.6	3337.3	3281.1	3233.6	3205.5	3179.1
7956.5	40°	7842.2	7167.0	4933.9	3541.3	3258.2	3152.7	3068.3	2978.6	2883.7	2848.5
8772.4	42.5°	8506.9	7603.1	4742.2	3272.3	3043.7	2957.5	2867.9	2737.7	2595.3	2523.2
9619.9	45°	9196.1	8049.7	4554.1	3006.8	2823.9	2787.0	2683.2	2526.7	2372.0	2280.6
10469.2	47.5°	9871.3	8471.7	4278.0	2739.5	2618.2	2658.6	2577.7	2433.5	2261.2	2117.0
11311.4	50°	10516.6	8867.3	3826.1	2468.7	2451.1	2619.9	2542.6	2335.1	2138.1	1953.5
12137.8	52.5°	11156.7	9187.3	3247.7	2222.5	2361.5	2609.4	2496.8	2268.3	2027.4	1833.9
12915.0	55°	11700.0	9352.6	2690.3	2011.5	2231.3	2519.7	2442.3	2189.1	1870.9	1665.1
13447.8	57.5°	12009.5	9219.0	2226.1	1804.1	2052.0	2372.0	2349.1	2020.3	1684.5	1526.2
13551.5	60°	11875.8	8677.4	1846.3	1622.9	1881.4	2212.0	2187.4	1853.3	1542.1	1392.6
12995.9	62.5°	11139.1	7645.3	1545.6	1464.7	1726.7	2048.5	2025.6	1724.9	1433.0	1288.9
11520.6	65°	9655.0	6219.3	1311.7	1332.8	1570.2	1851.5	1884.9	1617.7	1346.9	1206.2
8913.0	67.5°	7363.9	4504.9	1128.9	1218.5	1417.2	1658.1	1754.8	1540.3	1274.8	1141.2
5157.2	70°	4197.2	2558.4	974.1	1107.8	1281.8	1478.8	1654.6	1478.8	1197.4	1086.7
1932.4	72.5°	1591.3	1174.6	842.2	997.0	1151.7	1327.5	1543.8	1382.1	1107.8	1025.1
998.7	75°	849.3	715.6	708.6	866.9	1002.3	1179.8	1404.9	1287.1	1040.9	1083.1
691.0	77.5°	578.5	506.4	592.6	742.0	838.7	1016.3	1257.2	1142.9	902.0	898.5
478.3	80°	400.9	358.7	481.8	597.8	648.8	854.6	1097.2	981.2	735.0	685.8
295.4	82.5°	240.9	233.9	360.5	446.6	458.9	659.4	909.1	822.9	601.4	524.0
175.8	85°	131.9	138.9	230.3	262.0	267.3	460.7	712.1	636.5	462.4	388.6
63.3	87.5°	36.9	47.5	84.4	103.7	128.4	239.1	423.8	378.0	232.1	161.8
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>
4334.3
4652.6
4854.8
4912.8
4881.2
4807.3
4705.3
4533.0
4344.9
4225.3
4126.8
4017.8
3896.5
3718.9
3488.5
3196.7
2864.3
2532.0
2273.5
2101.2
1937.7
1812.8
1647.6
1505.1
1371.5
1266.0
1183.4
1120.1
1072.6
1011.0
<i>1118.3</i>
828.2
655.9
527.5
392.1
161.8
0.0

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