

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: STREETWORKS

Report Number: P853159

Luminaire Tested: **GLAN-SB9A-850-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853159
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9A-850-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34675 lumens
Efficiency: N/A
Efficacy: 135.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

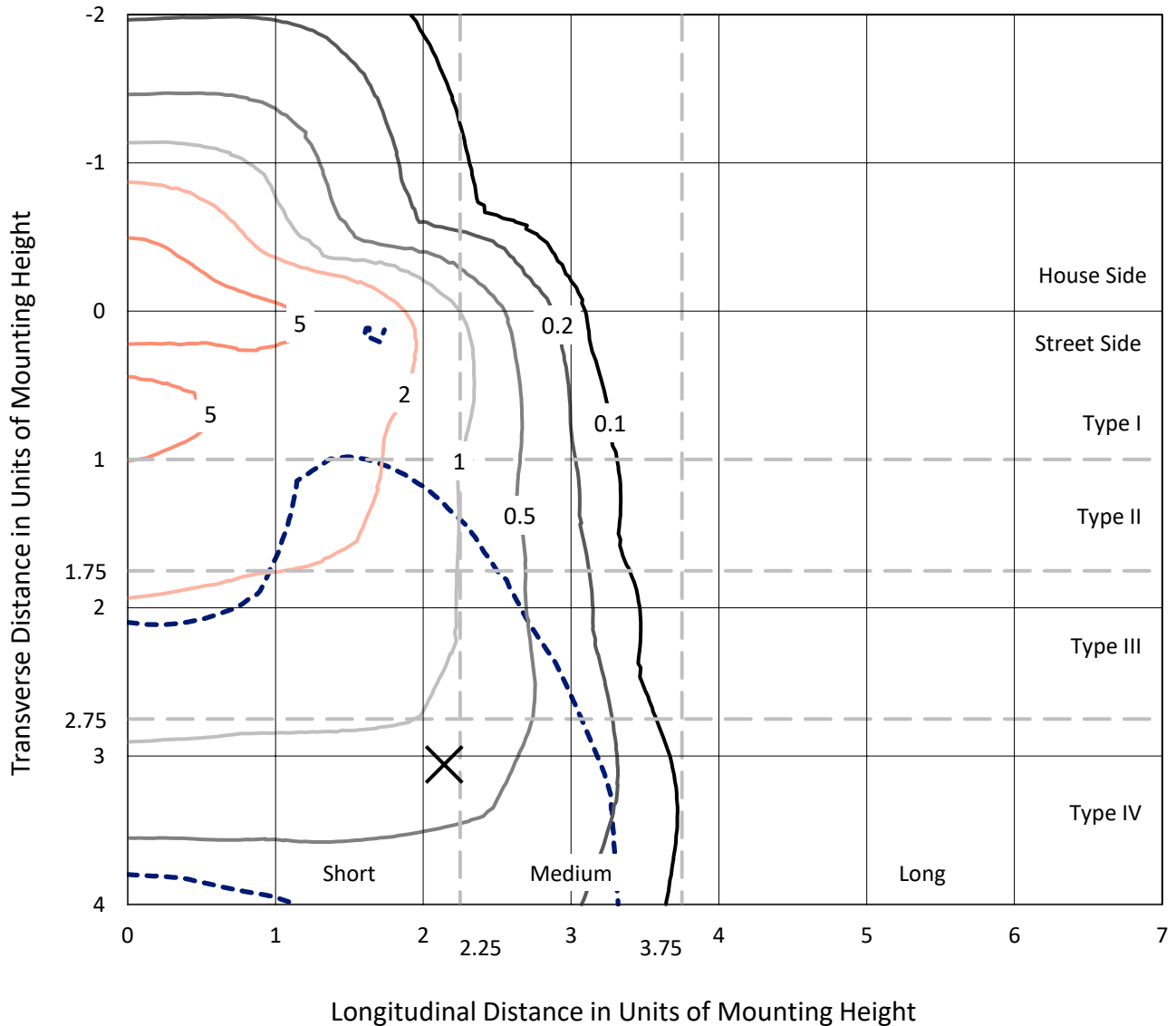
Input Watts (W): 255.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

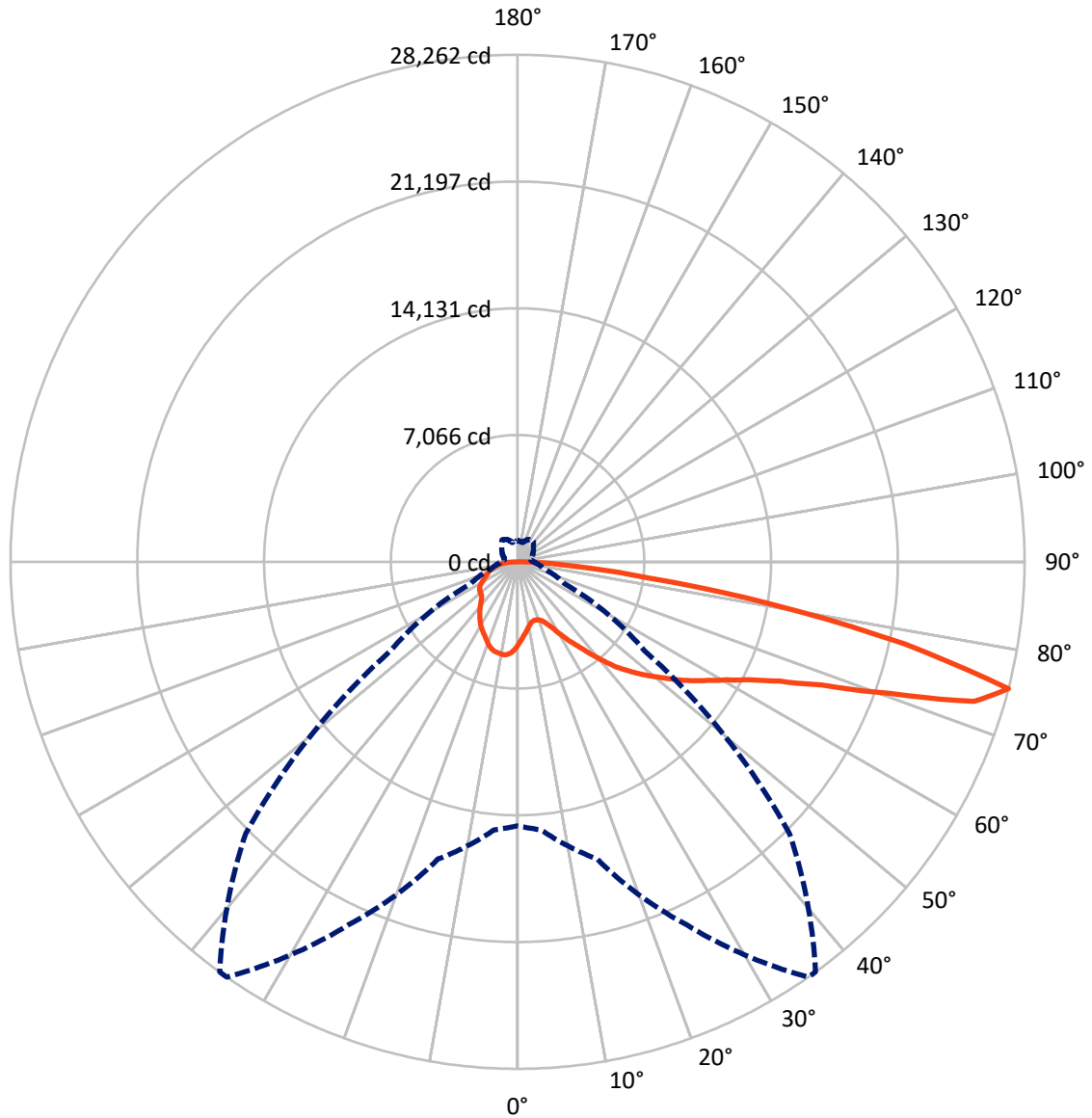
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.2 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
House Side	Lumens	8251.8	0.0	8251.8
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	26423.2	0.0	26423.2
	% Fixture	76.2	0.0	76.2
Total	Lumens	34675.0	0.0	34675.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	437.5	1.3
10°-20°	1261.9	3.6
20°-30°	2119.1	6.1
30°-40°	3293.3	9.5
40°-50°	4888.2	14.1
50°-60°	6748.4	19.5
60°-70°	8187.3	23.6
70°-80°	6766.2	19.5
80°-90°	973.2	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°	34675.0	100.0
0°-180°	34675.0	100.0

Coefficient of Utilization

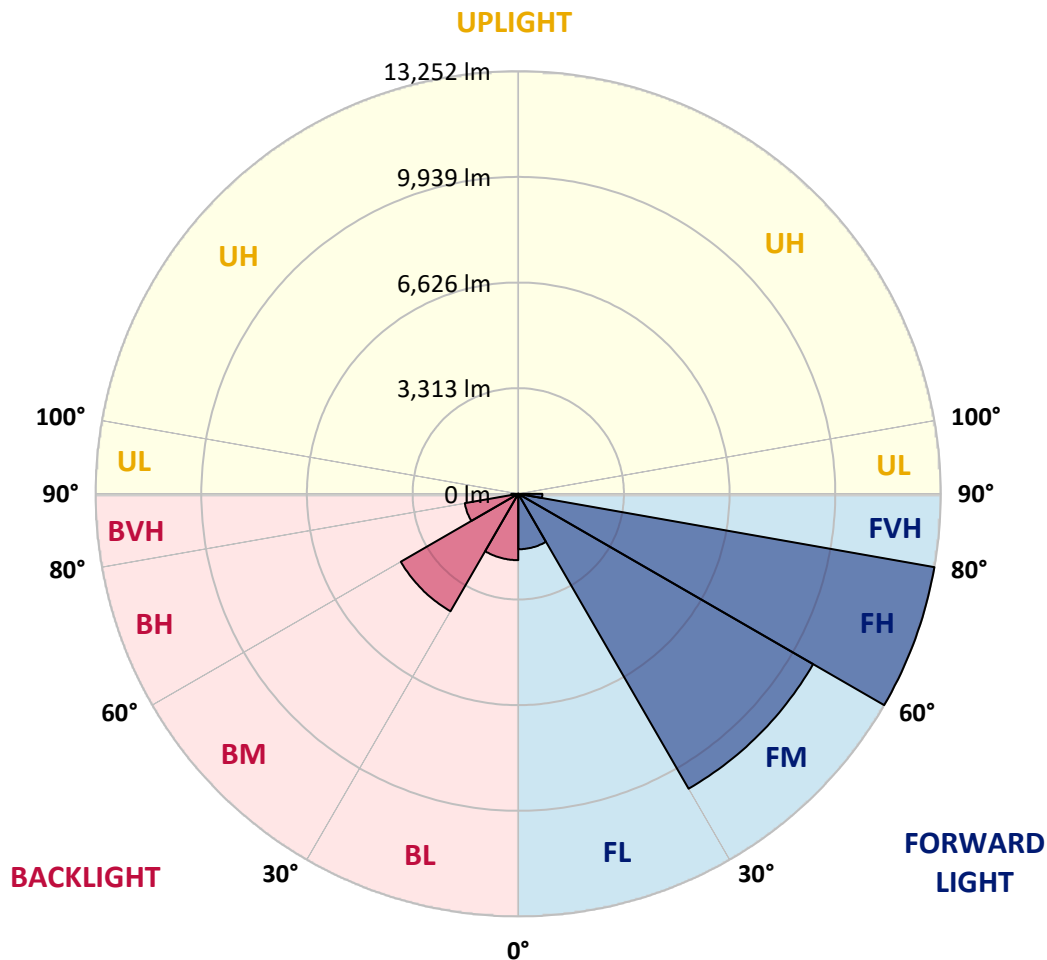


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1738.9	5.0			
FM (30°-60°)	10678.0	30.8			
FH (60°-80°)	13252.3	38.2			G5
FVH (80°-90°)	754.0	2.2			G5
BL (0°-30°)	2079.6	6.0	B3/2500		
BM (30°-60°)	4251.8	12.3	B3/5000		
BH (60°-80°)	1701.3	4.9	B3/2500		G3/2500
BVH (80°-90°)	219.1	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°	4620.7	4620.7	4620.7	4620.7	4620.7	4620.7	4620.7	4620.7	4620.7	4620.7
2.5°	4260.8	4287.0	4298.3	4292.6	4320.8	4317.0	4356.4	4405.1	4472.6	4538.2
5°	3932.7	3960.8	3985.2	4007.7	4062.1	4078.9	4140.8	4234.5	4358.2	4483.8
7.5°	3627.2	3651.6	3689.0	3730.3	3822.1	3839.0	3942.1	4088.3	4260.8	4444.5
10°	3377.9	3402.2	3441.6	3488.5	3602.8	3623.4	3754.7	3949.6	4174.5	4407.0
12.5°	3271.0	3278.5	3301.0	3347.9	3447.2	3460.4	3604.7	3827.8	4090.2	4378.9
15°	3265.4	3280.4	3282.3	3306.6	3389.1	3394.7	3527.8	3749.0	4037.7	4373.2
17.5°	3321.6	3332.9	3316.0	3331.0	3400.4	3409.7	3514.7	3711.5	4020.8	4397.6
20°	3471.6	3481.0	3430.4	3409.7	3460.4	3467.9	3571.0	3735.9	4037.7	4448.2
22.5°	3790.3	3795.9	3672.2	3587.8	3591.6	3595.3	3685.3	3835.3	4103.3	4540.1
25°	4287.0	4283.3	4086.4	3923.4	3829.6	3809.0	3869.0	3996.5	4213.9	4661.9
27.5°	4868.1	4840.0	4643.2	4399.5	4195.2	4165.2	4152.0	4206.4	4371.4	4823.1
30°	5524.2	5498.0	5286.1	4967.5	4684.4	4635.7	4512.0	4483.8	4605.7	5042.4
32.5°	6244.0	6227.1	5974.1	5587.9	5209.3	5153.0	4945.0	4870.0	4965.6	5374.2
35°	6847.6	6832.6	6622.7	6225.3	5762.3	5692.9	5481.1	5396.7	5445.5	5799.7
37.5°	7393.1	7385.6	7205.6	6892.6	6414.6	6330.2	6092.2	6064.1	6054.7	6360.2
40°	7899.2	7880.5	7693.0	7528.1	7173.8	7096.9	6887.0	6862.6	6791.4	7050.0
42.5°	8459.7	8410.9	8139.1	8062.3	7966.7	7903.0	7777.4	7781.1	7623.7	7828.0
45°	8917.1	8888.9	8609.6	8564.7	8667.8	8641.5	8750.2	8778.4	8472.8	8643.4
47.5°	9408.2	9381.9	9145.8	9113.9	9393.2	9400.7	9785.0	9794.3	9301.3	9490.7
50°	10013.7	9976.2	9741.9	9781.2	10094.3	10122.4	10825.3	10761.6	10064.3	10351.1
52.5°	10412.9	10435.4	10384.8	10448.5	10875.9	10902.2	11848.8	11685.7	10819.7	11200.2
55°	10707.2	10752.2	10909.7	11055.9	11700.7	11727.0	12814.2	12564.9	11445.8	11987.5
57.5°	11085.9	11022.1	11316.4	11601.4	12484.3	12553.6	13753.3	13412.2	12000.6	12666.1
60°	11629.5	11584.5	11813.2	12235.0	13361.5	13472.1	14746.8	14175.1	12407.4	13204.1
62.5°	12731.7	12619.2	12654.8	13027.9	14467.5	14613.7	15867.8	14840.5	12609.9	13414.0
65°	14379.4	14186.3	14006.4	14265.1	16025.2	16169.6	17133.1	15363.5	12534.9	13007.3
67.5°	16454.5	16263.3	16042.1	16285.8	18319.6	18434.0	18694.5	15657.8	11944.4	11440.2
70°	18165.9	18094.7	18359.0	19361.9	21984.3	21988.1	20696.5	15414.1	10326.7	8111.0
72.5°	17939.1	17896.0	19288.8	22389.2	26603.1	26503.8	22591.6	13569.6	6956.3	3659.1
75°	14716.8	14996.1	17153.7	22334.8	28262.1	28248.9	21431.3	8626.5	2877.4	1516.5
77.5°	7891.7	8334.1	11136.5	16490.1	22063.0	22394.8	15067.3	3018.0	1235.3	971.0
80°	2573.7	2959.9	4438.9	8396.0	14336.3	14274.4	6457.7	1184.7	845.4	687.9
82.5°	1092.8	1137.8	1983.2	3964.6	7357.5	7243.1	2056.3	680.4	594.2	470.5
85°	427.4	478.0	875.4	1833.3	3186.7	3117.3	742.3	337.4	380.5	307.4
87.5°	140.6	170.6	313.0	628.0	991.6	956.0	181.8	116.2	165.0	140.6
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°
4620.7	0°	4620.7	4620.7	4620.7	4620.7	4620.7	4620.7	4620.7	4620.7	4620.7	4620.7
4633.8	2.5°	4660.0	4690.0	4725.7	4778.1	4823.1	4860.6	4900.0	4924.3	4933.7	4961.8
4641.3	5°	4693.8	4759.4	4847.5	4933.7	5018.1	5068.7	5113.7	5136.2	5156.8	5171.8
4661.9	7.5°	4750.0	4834.4	4973.1	5085.6	5156.8	5198.0	5228.0	5220.5	5228.0	5231.8
4684.4	10°	4798.8	4916.9	5081.8	5188.7	5243.0	5244.9	5237.4	5211.2	5198.0	5199.9
4718.2	12.5°	4856.9	4988.1	5166.2	5256.1	5271.1	5229.9	5198.0	5153.0	5136.2	5128.7
4768.8	15°	4935.6	5085.6	5258.0	5291.8	5254.3	5201.8	5147.4	5074.3	5036.8	5006.8
4855.0	17.5°	5031.2	5196.2	5329.2	5304.9	5224.3	5138.0	5049.9	4939.3	4862.5	4830.6
4973.1	20°	5164.3	5312.4	5383.6	5276.8	5154.9	5023.7	4873.7	4738.8	4667.5	4635.7
5123.0	22.5°	5325.5	5468.0	5436.1	5228.0	5055.6	4845.6	4658.2	4558.8	4523.2	4500.7
5316.1	25°	5518.6	5640.4	5473.6	5156.8	4892.5	4609.4	4465.1	4433.2	4416.4	4399.5
5552.3	27.5°	5769.8	5835.4	5501.7	5051.8	4637.5	4358.2	4305.8	4311.4	4305.8	4277.6
5880.4	30°	6101.5	6088.4	5527.9	4881.2	4345.1	4131.4	4135.2	4159.5	4163.3	4144.6
6337.7	32.5°	6538.3	6405.2	5541.1	4660.0	4065.8	3932.7	3936.5	3962.7	3981.5	3949.6
6935.7	35°	7066.9	6774.5	5520.4	4382.6	3850.3	3743.4	3715.3	3722.8	3728.4	3698.4
7661.1	37.5°	7683.6	7188.8	5428.6	4075.2	3672.2	3557.8	3497.8	3447.2	3417.2	3389.1
8482.2	40°	8360.3	7640.5	5259.9	3775.3	3473.5	3361.0	3271.0	3175.4	3074.2	3036.7
9352.0	42.5°	9068.9	8105.4	5055.6	3488.5	3244.8	3152.9	3057.3	2918.6	2766.8	2689.9
10255.5	45°	9803.7	8581.5	4855.0	3205.4	3010.5	2971.1	2860.5	2693.7	2528.7	2431.2
11160.9	47.5°	10523.5	9031.4	4560.7	2920.5	2791.2	2834.3	2748.0	2594.3	2410.6	2256.9
12058.8	50°	11211.5	9453.2	4078.9	2631.8	2613.1	2793.0	2710.5	2489.4	2279.4	2082.6
12939.8	52.5°	11893.8	9794.3	3462.2	2369.4	2517.5	2781.8	2661.8	2418.1	2161.3	1955.1
13768.3	55°	12473.0	9970.5	2868.0	2144.4	2378.8	2686.2	2603.7	2333.8	1994.5	1775.2
14336.3	57.5°	12802.9	9828.1	2373.1	1923.3	2187.6	2528.7	2504.4	2153.8	1795.8	1627.1
14446.9	60°	12660.5	9250.7	1968.2	1730.2	2005.7	2358.1	2331.9	1975.7	1643.9	1484.6
13854.5	62.5°	11875.0	8150.4	1647.7	1561.5	1840.8	2183.8	2159.4	1838.9	1527.7	1374.0
12281.8	65°	10293.0	6630.2	1398.4	1420.9	1673.9	1973.9	2009.5	1724.6	1435.9	1285.9
9501.9	67.5°	7850.5	4802.5	1203.4	1299.0	1510.9	1767.7	1870.8	1642.1	1359.0	1216.6
5498.0	70°	4474.5	2727.4	1038.5	1180.9	1366.5	1576.5	1763.9	1576.5	1276.5	1158.4
2060.1	72.5°	1696.4	1252.2	897.9	1062.8	1227.8	1415.3	1645.8	1473.4	1180.9	1092.8
1064.7	75°	905.4	762.9	755.4	924.1	1068.5	1257.8	1497.7	1372.1	1109.7	1154.7
736.7	77.5°	616.7	539.9	631.7	791.0	894.1	1083.5	1340.3	1218.4	961.6	957.9
509.9	80°	427.4	382.4	513.6	637.3	691.7	911.0	1169.7	1046.0	783.5	731.1
314.9	82.5°	256.8	249.3	384.3	476.1	489.2	702.9	969.1	877.3	641.1	558.6
187.5	85°	140.6	148.1	245.6	279.3	284.9	491.1	759.2	678.6	493.0	414.3
67.5	87.5°	39.4	50.6	90.0	110.6	136.8	254.9	451.8	403.0	247.4	172.5
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

180°
4620.7
4960.0
5175.5
5237.4
5203.7
5124.9
5016.2
4832.5
4631.9
4504.5
4399.5
4283.3
4153.9
3964.6
3719.0
3407.9
3053.6
2699.3
2423.7
2240.0
2065.7
1932.6
1756.4
1604.6
1462.1
1349.7
1261.5
1194.1
1143.5
1077.8
1192.2
882.9
699.2
562.4
418.0
172.5
0.0

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