

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: P851668

Luminaire Tested: **GLAN-SB9D-730-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851668
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9D-730-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 89594 lumens
Efficiency: N/A
Efficacy: 136.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

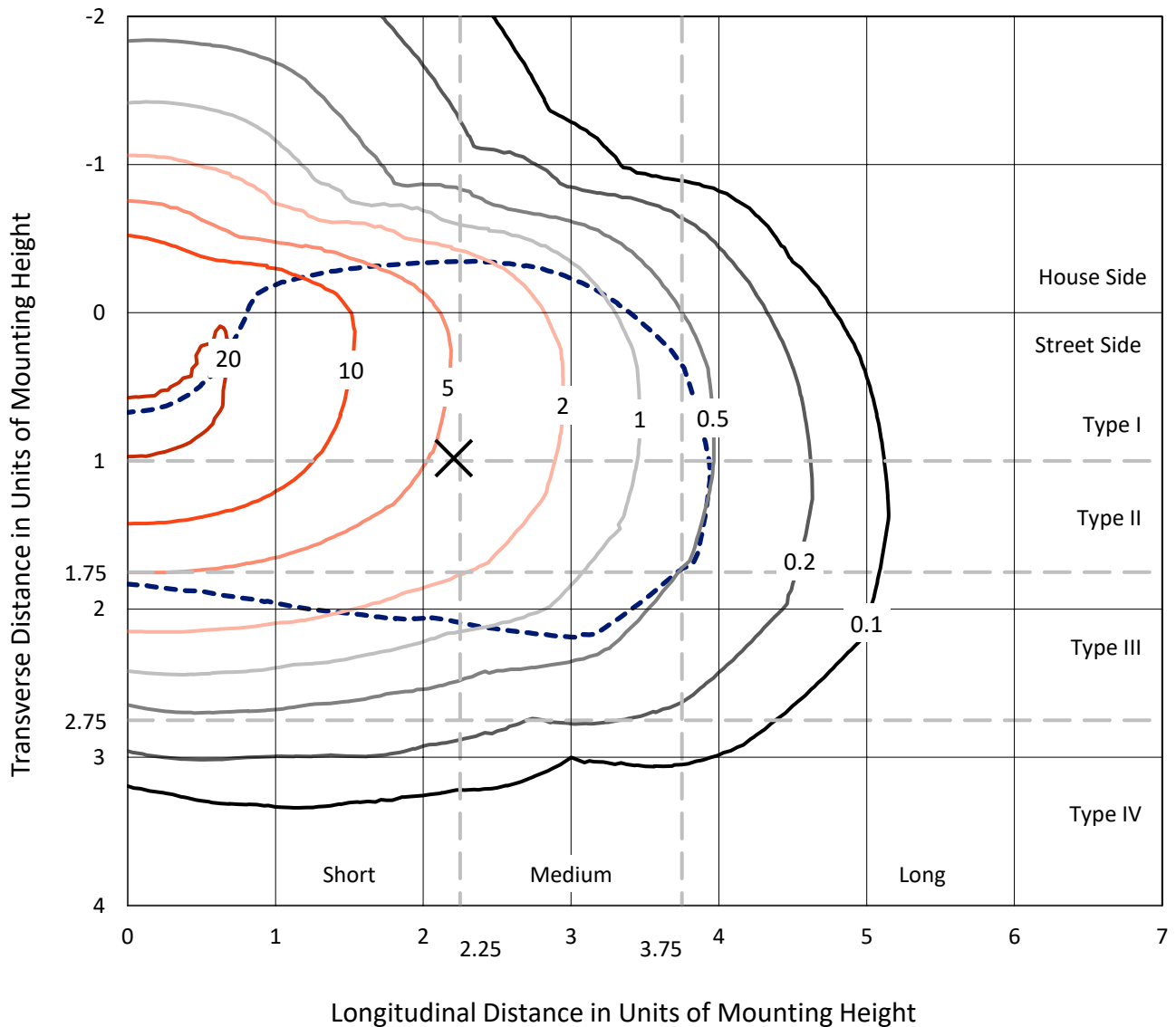
Input Watts (W): 658
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

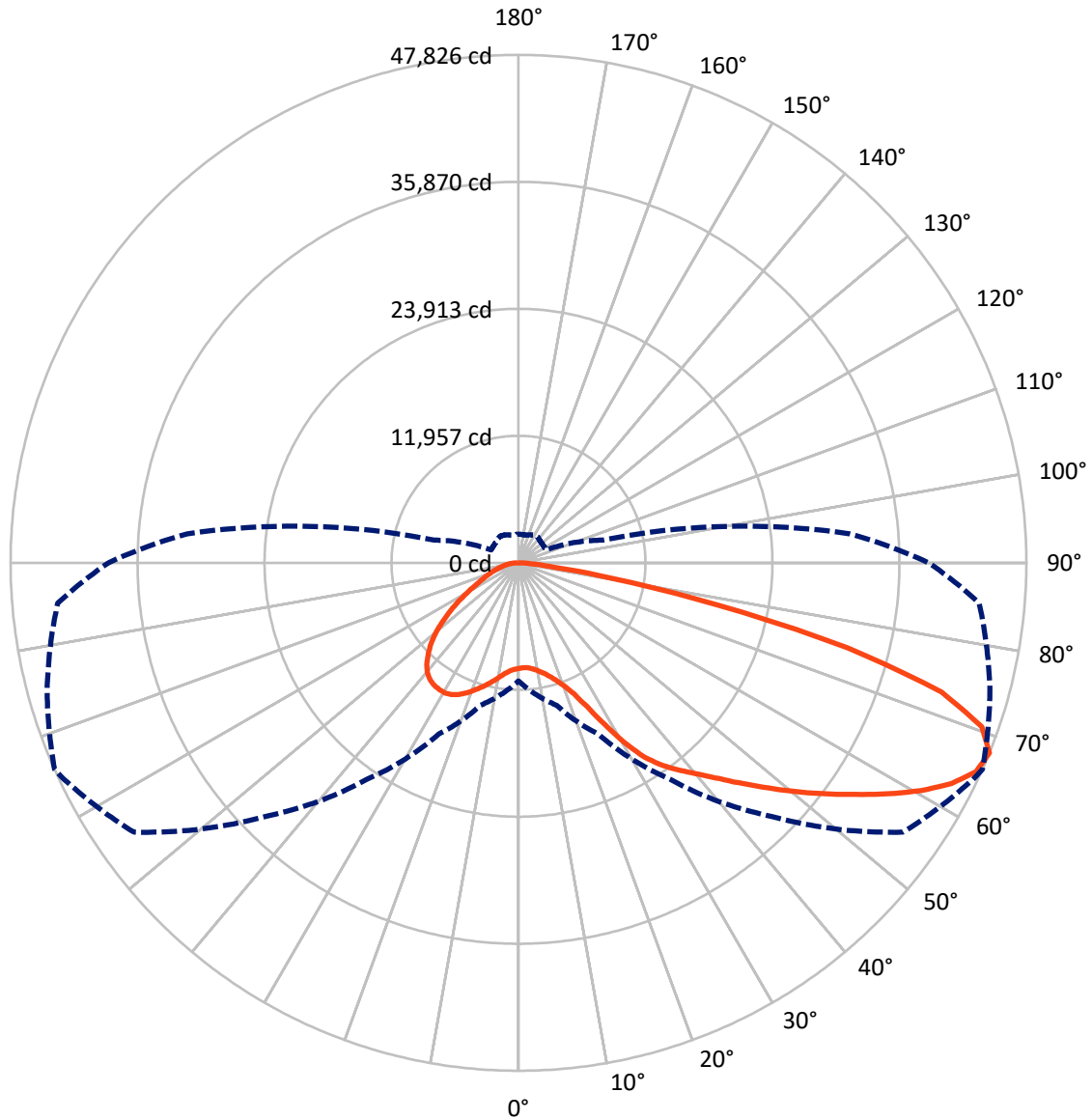
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 22.5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	22277.3	0.0	22277.3
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	67316.7	0.0	67316.7
	% Fixture	75.1	0.0	75.1
Total	Lumens	89594.0	0.0	89594.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	985.2	1.1
10°-20°	3255.1	3.6
20°-30°	6274.0	7.0
30°-40°	11000.6	12.3
40°-50°	16354.2	18.3
50°-60°	20730.6	23.1
60°-70°	20284.4	22.6
70°-80°	9675.8	10.8
80°-90°	1034.1	1.2
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°	89594.0	100.0
0°-180°	89594.0	100.0

Coefficient of Utilization

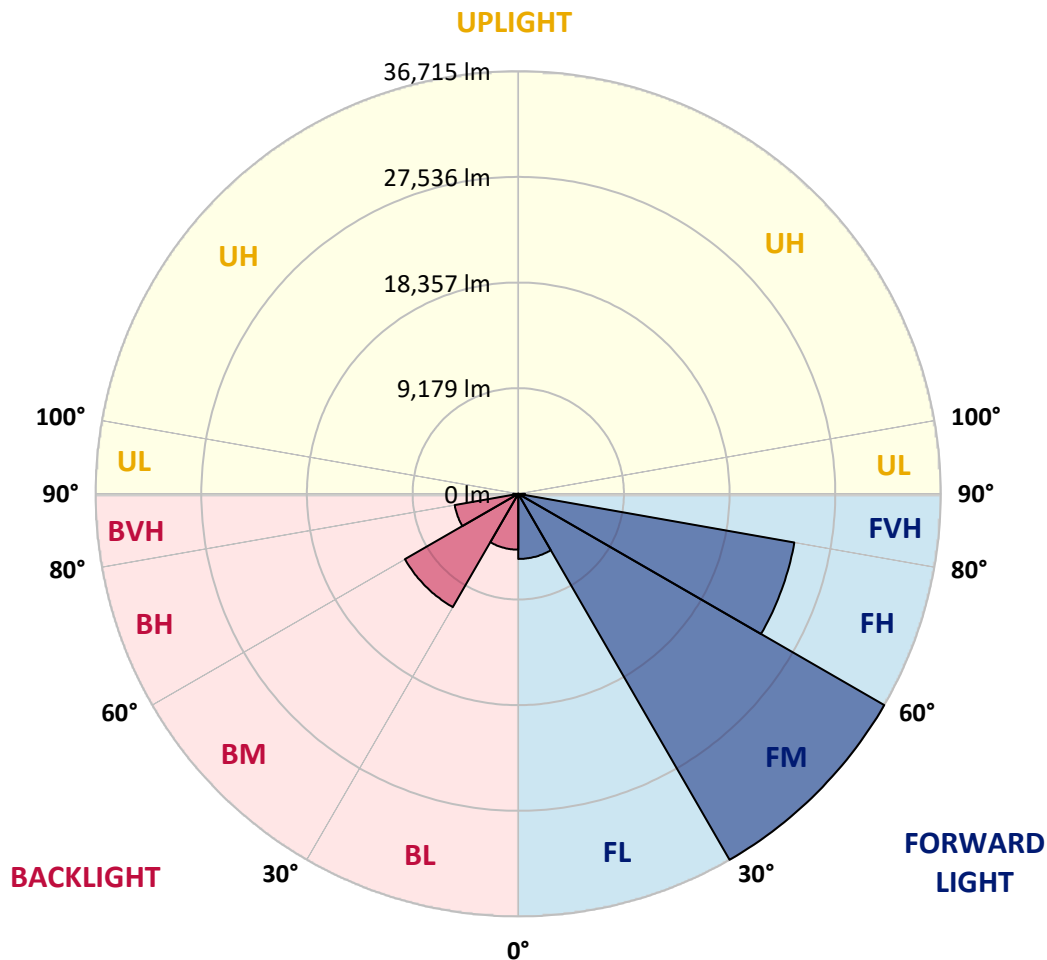


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5661.5	6.3			
FM (30°-60°)	36714.9	41.0			
FH (60°-80°)	24354.1	27.2			G5
FVH (80°-90°)	586.3	0.7			G4/750
BL (0°-30°)	4852.8	5.4	B4/5000		
BM (30°-60°)	11370.6	12.7	B5		
BH (60°-80°)	5606.1	6.3	B5		G5
BVH (80°-90°)	447.8	0.5			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5
 Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	9937.2	9937.2	9937.2	9937.2	9937.2	9937.2	9937.2	9937.2	9937.2	9937.2
2.5°	9833.6	9890.1	9876.0	9852.4	9847.7	9857.1	9871.3	9885.4	9880.7	9904.2
5°	9805.4	9861.8	9857.1	9857.1	9876.0	9913.6	9937.2	9960.7	9937.2	9965.4
7.5°	9824.2	9866.5	9885.4	9904.2	9951.3	10021.9	10078.4	10130.2	10101.9	10134.9
10°	10064.3	10097.2	10116.0	10116.0	10149.0	10229.0	10285.5	10379.6	10356.1	10407.9
12.5°	10502.0	10535.0	10535.0	10516.2	10539.7	10591.5	10610.3	10713.9	10671.5	10756.2
15°	11038.7	11104.6	11052.8	11019.8	11029.3	11081.0	11076.3	11156.4	11114.0	11184.6
17.5°	11631.8	11716.5	11631.8	11627.1	11608.3	11664.7	11669.5	11740.1	11664.7	11716.5
20°	12333.2	12450.9	12380.3	12403.8	12361.4	12385.0	12408.5	12512.1	12394.4	12432.0
22.5°	13321.7	13462.9	13387.6	13477.1	13448.8	13430.0	13425.3	13608.9	13425.3	13439.4
25°	14762.2	14931.6	14799.8	14922.2	14922.2	14983.4	15054.0	15289.4	14983.4	14894.0
27.5°	16889.9	17059.3	16800.4	16875.8	16852.2	17002.9	16927.5	17511.2	17181.7	17035.8
30°	19450.7	19751.9	19262.4	19243.5	19220.0	19460.1	19568.3	19954.3	19620.1	19474.2
32.5°	22218.6	22534.0	21950.2	21780.8	21691.3	21837.3	21747.8	22058.5	21827.9	21601.9
35°	25146.5	25457.2	24901.7	24572.2	24214.5	23908.5	23588.4	23668.4	23451.9	23108.2
37.5°	27914.4	28484.0	27895.6	27542.5	26883.5	26285.7	25391.3	25019.4	24817.0	24501.6
40°	30734.1	31058.9	30611.7	30310.5	29594.9	28658.2	27227.2	26441.0	26168.0	25862.0
42.5°	32810.0	33120.7	32880.7	32673.5	32113.4	31026.0	29176.0	28192.2	27796.7	27453.1
45°	34457.6	34688.3	34537.6	34612.9	34372.9	33318.4	31195.4	30070.4	29660.8	29241.9
47.5°	35121.3	35366.1	35606.2	36053.4	36462.9	35686.2	33365.5	32103.9	31670.9	31242.5
50°	35046.0	35295.5	35992.2	36943.1	38214.0	37955.1	35653.3	34269.3	33869.2	33379.6
52.5°	34443.5	34725.9	35620.3	37202.0	39226.1	39654.5	37983.4	36505.3	36128.7	35545.0
55°	32861.8	33031.3	34372.9	36613.6	39466.2	40840.7	40266.4	38887.2	38510.6	37696.2
57.5°	29929.2	30173.9	32127.5	35027.2	38863.7	41645.7	42271.8	41391.5	41029.0	39856.9
60°	26102.1	26492.8	28728.8	32362.8	37329.1	41641.0	44093.5	43853.4	43552.2	41984.6
62.5°	21771.4	22223.3	24374.5	28597.0	34645.9	40459.4	45232.7	45915.2	45759.9	43947.6
65°	16720.4	17031.1	19172.9	23724.9	30470.5	37922.2	45364.5	47322.7	47351.0	45439.8
67.5°	11132.8	12027.2	13886.6	17803.1	24878.2	33775.0	44206.5	47553.4	47826.4	45952.9
70°	5432.3	6609.1	8430.8	11570.6	17803.1	27415.4	41179.7	45661.0	46268.3	44456.0
72.5°	2254.8	2636.1	3629.3	5710.0	10219.6	18499.8	35097.8	40530.1	41655.1	39390.9
75°	1520.5	1647.6	2075.9	2928.0	4655.5	9122.8	25311.3	30221.0	32033.3	29750.3
77.5°	1172.1	1252.1	1511.1	2047.7	2767.9	3450.5	13547.7	18212.6	19149.4	17727.8
80°	922.6	983.8	1129.8	1492.2	1963.0	1845.3	4617.9	8251.9	8793.3	7376.4
82.5°	800.2	823.8	809.7	1012.1	1303.9	1078.0	1515.8	3045.6	3361.0	2438.4
85°	579.0	644.9	673.1	626.1	692.0	546.0	621.4	1078.0	1186.2	1059.1
87.5°	235.4	348.3	428.4	404.8	254.2	155.3	193.0	315.4	362.5	395.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P851668
 CATALOG NUMBER: GLAN-SB9D-730-U-T3

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
9937.2	0°	9937.2	9937.2	9937.2	9937.2	9937.2	9937.2	9937.2	9937.2	9937.2	9937.2
9941.9	2.5°	9946.6	9979.5	10003.1	10031.3	10050.1	10078.4	10134.9	10167.8	10172.5	10196.1
10017.2	5°	10036.0	10083.1	10134.9	10210.2	10294.9	10365.5	10473.8	10549.1	10577.4	10600.9
10200.8	7.5°	10229.0	10294.9	10389.1	10520.9	10643.3	10737.4	10869.2	10958.6	11048.1	11081.0
10492.6	10°	10516.2	10610.3	10746.8	10925.7	11057.5	11179.9	11316.4	11391.7	11481.2	11518.8
10841.0	12.5°	10873.9	10972.8	11151.6	11401.1	11523.5	11608.3	11655.3	11636.5	11655.3	11688.3
11259.9	15°	11283.5	11391.7	11594.1	11862.5	11947.2	11871.9	11768.3	11674.2	11660.0	11669.5
11768.3	17.5°	11768.3	11848.3	12083.7	12309.6	12248.5	11937.8	11711.8	11561.2	11485.9	11462.3
12417.9	20°	12446.2	12446.2	12639.2	12780.4	12370.8	11843.6	11490.6	11245.8	11090.5	11024.6
13302.9	22.5°	13269.9	13194.6	13317.0	13218.2	12347.3	11580.0	11090.5	10666.8	10431.4	10337.3
14540.9	25°	14315.0	14225.5	14192.6	13580.6	12177.8	11161.1	10365.5	9852.4	9645.3	9593.5
16325.0	27.5°	15891.9	15666.0	15237.6	13778.3	11867.2	10502.0	9518.2	9042.8	8925.1	8929.8
18617.5	30°	17991.4	17539.5	16489.8	13811.3	11358.8	9570.0	8652.1	8313.1	8256.6	8280.2
20542.8	32.5°	19935.5	19507.1	17770.1	13660.7	10577.4	8656.8	7875.4	7649.4	7564.7	7592.9
22011.4	35°	21460.7	21343.0	18956.4	13448.8	9617.1	7800.0	7178.7	6985.7	6820.9	6783.3
23395.4	37.5°	22901.1	22854.1	19846.1	13152.3	8666.2	7192.8	6618.5	6364.3	6124.2	5992.4
24925.3	40°	24482.8	24435.7	20429.8	12695.6	7823.6	6665.6	6114.8	5780.6	5484.0	5244.0
26657.6	42.5°	26262.2	25984.4	20707.5	12041.3	7108.1	6218.4	5705.3	5253.4	4862.7	4641.4
28615.8	45°	28206.3	27580.2	20702.8	11208.1	6505.5	5808.8	5267.5	4627.3	4264.8	4057.7
30625.8	47.5°	30268.1	29105.4	20448.6	10285.5	5921.8	5356.9	4589.6	4100.1	3860.0	3732.9
32810.0	50°	32395.8	30531.7	20015.5	9226.4	5324.0	4843.8	4166.0	3831.8	3648.2	3530.5
34975.4	52.5°	34396.4	31826.2	19493.0	8026.0	4716.7	4344.9	3977.7	3718.8	3525.8	3394.0
37074.9	55°	36255.8	32941.8	18754.0	6797.4	4222.5	4010.6	3888.2	3671.7	3450.5	3295.1
39207.3	57.5°	37908.1	33666.8	17478.3	5644.1	3869.4	3780.0	3794.1	3591.7	3337.5	3205.7
41306.8	60°	39282.6	34198.7	15590.7	4575.5	3582.3	3554.0	3648.2	3441.1	3144.5	2993.9
43081.4	62.5°	40106.4	34189.3	13274.7	3747.0	3337.5	3346.9	3455.2	3252.8	2951.5	2810.3
44008.8	65°	40035.8	33351.4	10732.7	3205.7	3102.1	3111.5	3252.8	3045.6	2791.4	2706.7
43542.7	67.5°	38618.9	31308.4	8233.1	2852.6	2843.2	2885.6	3050.3	2904.4	2692.6	2683.2
40765.4	70°	34782.4	27067.1	5931.2	2570.2	2574.9	2636.1	2852.6	2815.0	2640.8	2659.6
34274.0	72.5°	27890.9	20636.9	3982.4	2273.6	2278.3	2377.2	2664.3	2744.4	2589.0	2838.5
24318.0	75°	18575.1	12869.8	2560.8	1958.2	1963.0	2090.1	2499.6	2607.9	2447.8	2829.1
12653.3	77.5°	8925.1	5785.3	1854.7	1647.6	1647.6	1765.2	2160.7	2334.8	2085.3	2198.3
4067.1	80°	3083.3	2174.8	1459.3	1327.5	1299.2	1379.2	1821.7	2024.1	1798.2	1657.0
1327.5	82.5°	1214.5	1129.8	1172.1	1030.9	936.8	988.5	1416.9	1671.1	1322.8	1195.7
748.5	85°	696.7	734.3	828.5	682.6	541.3	607.2	1040.3	1200.4	998.0	880.3
244.8	87.5°	188.3	258.9	381.3	353.0	244.8	258.9	494.3	663.7	574.3	442.5
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°
9937.2
10191.4
10596.2
11085.7
11537.6
11697.7
11702.4
11495.3
11010.4
10323.2
9602.9
8943.9
8360.2
7630.6
6811.5
5997.1
5267.5
4655.5
4048.3
3704.7
3488.1
3337.5
3233.9
3121.0
2928.0
2767.9
2702.0
2697.3
2654.9
2876.2
2852.6
2014.7
1553.4
1191.0
899.1
456.6
0.0

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