

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: P853257

Luminaire Tested: **GLAN-SB9D-835-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853257
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-SB9D-835-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 75851 lumens
Efficiency: N/A
Efficacy: 115.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B5 - U0 - G5

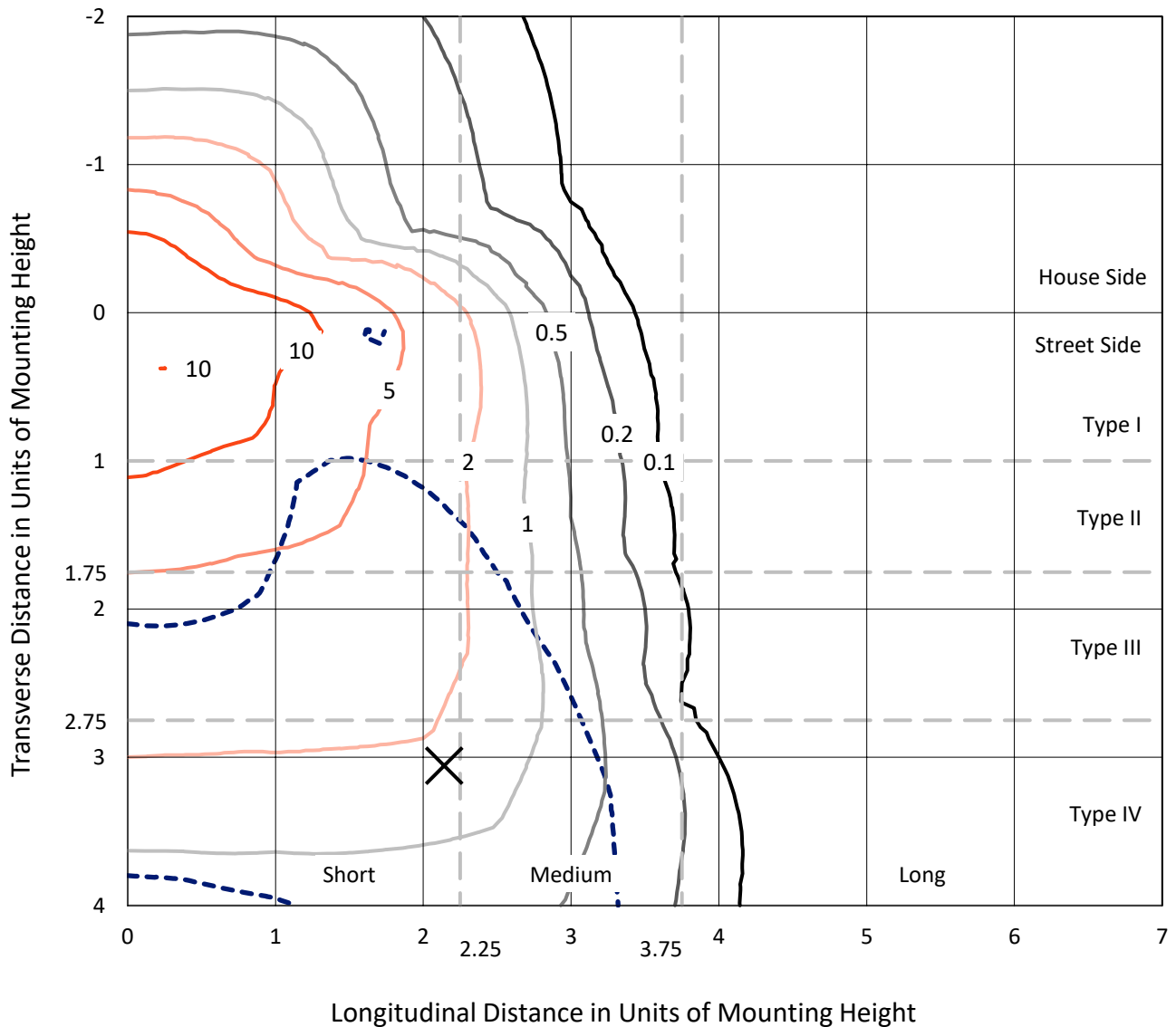
Input Watts (W): 658
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

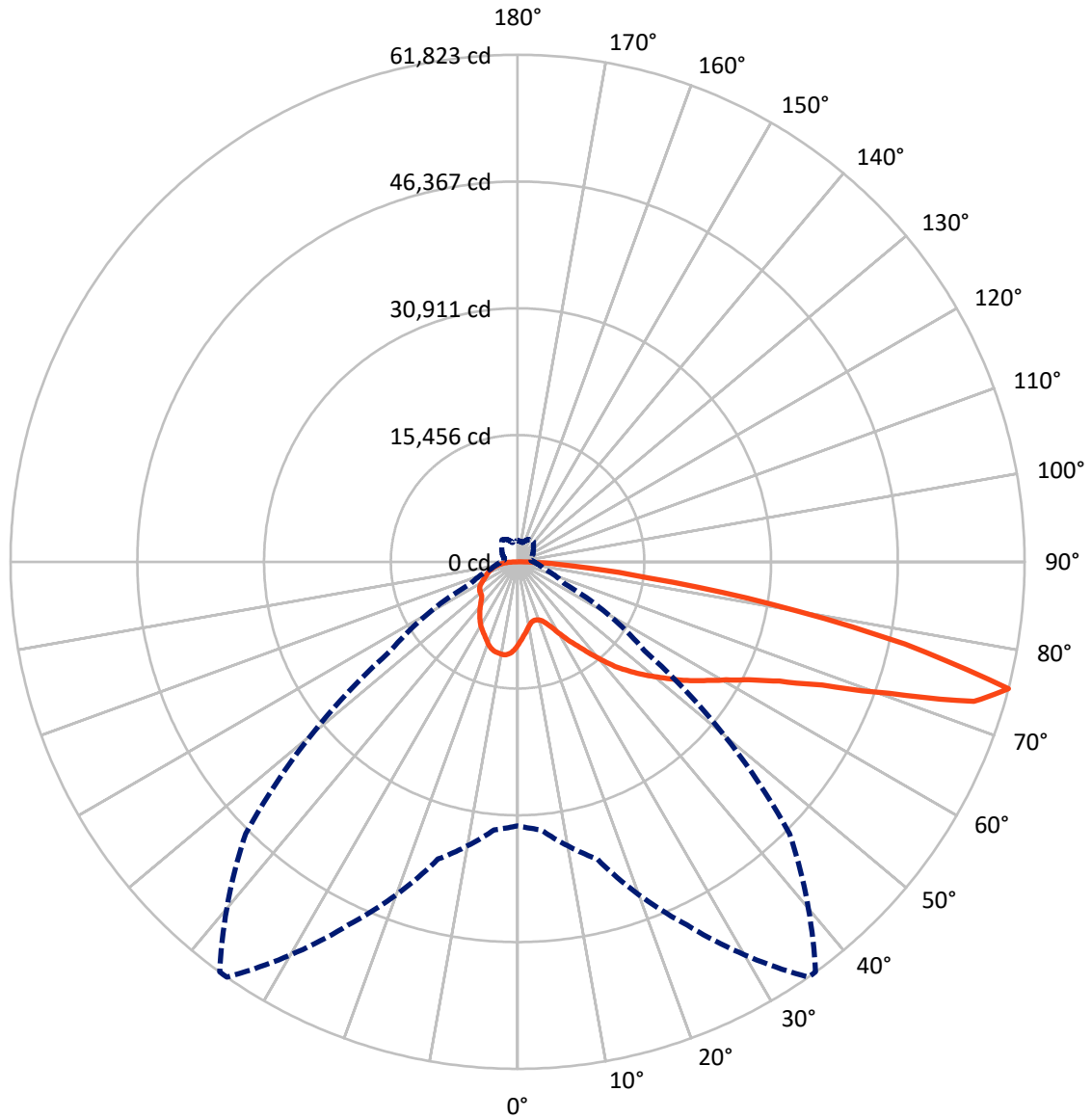
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.9 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	18050.6	0.0	18050.6
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	57800.4	0.0	57800.4
	% Fixture	76.2	0.0	76.2
Total	Lumens	75851.0	0.0	75851.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	957.0	1.3
10°-20°	2760.4	3.6
20°-30°	4635.4	6.1
30°-40°	7204.1	9.5
40°-50°	10692.8	14.1
50°-60°	14762.0	19.5
60°-70°	17909.6	23.6
70°-80°	14801.0	19.5
80°-90°	2128.8	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°	75851.0	100.0
0°-180°	75851.0	100.0

Coefficient of Utilization

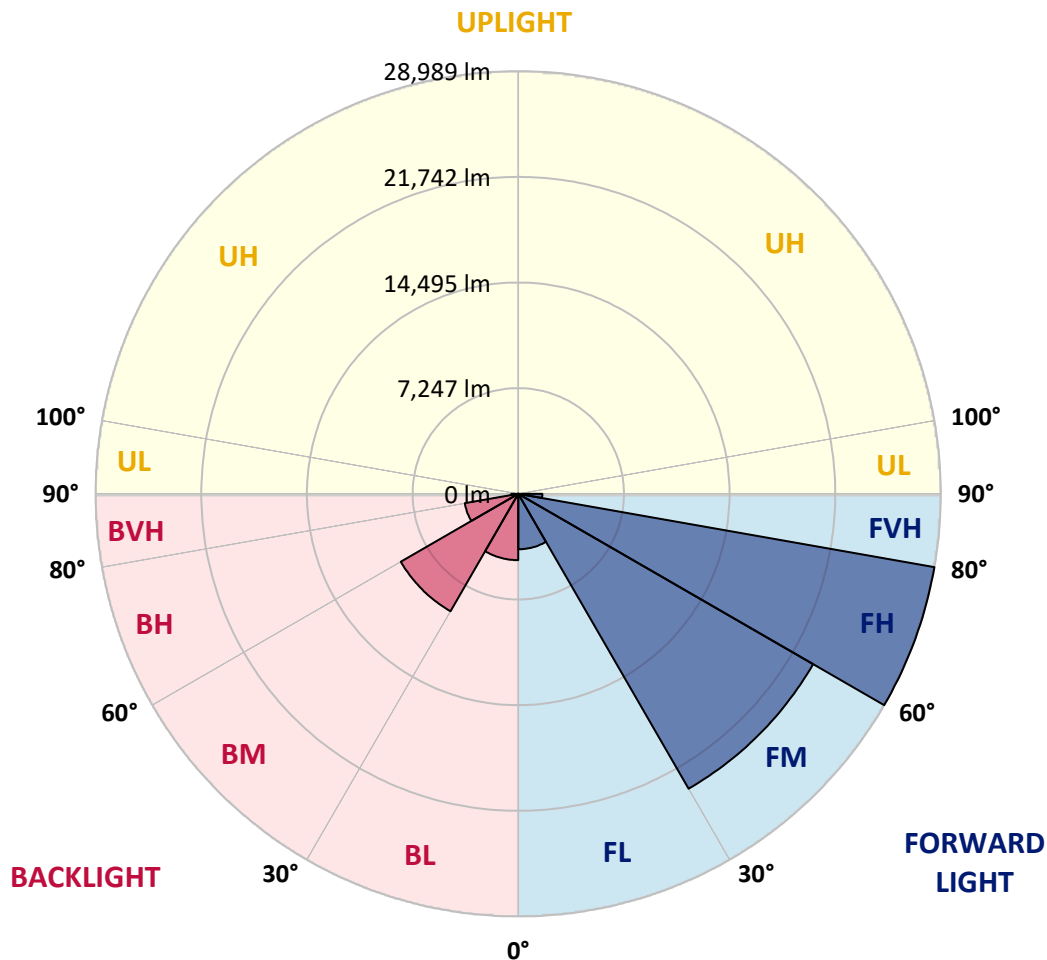


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3803.8	5.0			
FM (30°-60°)	23358.0	30.8			
FH (60°-80°)	28989.1	38.2			G5
FVH (80°-90°)	1649.5	2.2			G5
BL (0°-30°)	4549.0	6.0	B4/5000		
BM (30°-60°)	9300.8	12.3	B5		
BH (60°-80°)	3721.5	4.9	B4/5000		G4/5000
BVH (80°-90°)	479.4	0.6			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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	10107.7	10107.7	10107.7	10107.7	10107.7	10107.7	10107.7	10107.7	10107.7	10107.7
2.5°	9320.4	9377.8	9402.4	9390.1	9451.6	9443.4	9529.5	9636.1	9783.7	9927.2
5°	8602.8	8664.3	8717.6	8766.8	8885.7	8922.6	9057.9	9263.0	9533.6	9808.3
7.5°	7934.4	7987.7	8069.7	8159.9	8360.9	8397.8	8623.3	8943.1	9320.4	9722.2
10°	7389.0	7442.4	7528.5	7631.0	7881.1	7926.2	8213.2	8639.7	9131.7	9640.2
12.5°	7155.3	7171.7	7220.9	7323.4	7540.8	7569.5	7885.2	8373.2	8947.2	9578.7
15°	7143.0	7175.8	7179.9	7233.2	7413.6	7426.0	7717.1	8200.9	8832.4	9566.4
17.5°	7266.0	7290.6	7253.7	7286.5	7438.3	7458.8	7688.4	8118.9	8795.5	9619.7
20°	7594.1	7614.6	7503.9	7458.8	7569.5	7585.9	7811.4	8172.2	8832.4	9730.4
22.5°	8291.2	8303.5	8032.8	7848.3	7856.5	7864.7	8061.5	8389.6	8975.9	9931.3
25°	9377.8	9369.6	8939.0	8582.3	8377.3	8332.2	8463.4	8742.2	9217.9	10197.9
27.5°	10648.9	10587.4	10156.9	9623.8	9176.9	9111.2	9082.5	9201.5	9562.3	10550.5
30°	12084.1	12026.7	11563.3	10866.2	10247.1	10140.5	9869.8	9808.3	10074.9	11030.3
32.5°	13658.7	13621.8	13068.2	12223.5	11395.2	11272.2	10817.0	10653.0	10862.1	11756.0
35°	14979.0	14946.2	14487.0	13617.7	12604.8	12453.1	11989.8	11805.3	11911.9	12686.9
37.5°	16172.3	16155.9	15762.2	15077.4	14031.8	13847.3	13326.5	13265.0	13244.5	13912.9
40°	17279.4	17238.4	16828.3	16467.5	15692.5	15524.4	15065.1	15011.8	14856.0	15421.9
42.5°	18505.4	18398.8	17804.2	17636.1	17427.0	17287.6	17012.9	17021.1	16676.6	17123.6
45°	19505.9	19444.4	18833.5	18735.0	18960.6	18903.2	19141.0	19202.5	18534.1	18907.3
47.5°	20580.3	20522.9	20006.2	19936.5	20547.5	20563.9	21404.5	21425.0	20346.5	20760.7
50°	21904.7	21822.7	21310.1	21396.3	22081.0	22142.5	23680.2	23540.8	22015.4	22642.8
52.5°	22778.1	22827.3	22716.6	22856.0	23790.9	23848.3	25919.1	25562.3	23667.9	24500.3
55°	23421.9	23520.3	23864.7	24184.6	25595.1	25652.5	28030.8	27485.5	25037.5	26222.5
57.5°	24250.2	24110.8	24754.5	25377.8	27309.1	27460.8	30085.1	29338.9	26251.2	27706.9
60°	25439.3	25340.9	25841.2	26763.8	29228.2	29470.1	32258.4	31007.8	27141.0	28883.7
62.5°	27850.4	27604.4	27682.3	28498.3	31647.4	31967.3	34710.5	32463.4	27583.9	29343.0
65°	31454.7	31032.4	30638.7	31204.6	35054.9	35370.7	37478.3	33607.5	27419.8	28453.2
67.5°	35993.9	35575.7	35091.8	35624.9	40073.9	40324.0	40894.0	34251.2	26128.2	25025.2
70°	39737.7	39581.8	40160.0	42353.8	48090.3	48098.5	45273.3	33718.2	22589.5	17742.7
72.5°	39241.5	39147.2	42193.8	48976.0	58193.9	57976.5	49418.9	29683.3	15216.8	8004.1
75°	32192.8	32803.8	37523.4	48857.1	61822.8	61794.1	46880.7	18870.4	6294.2	3317.3
77.5°	17263.0	18230.7	24360.9	36071.8	48262.5	48988.3	32959.6	6601.8	2702.2	2124.0
80°	5629.9	6474.6	9709.9	18366.0	31360.4	31225.1	14126.1	2591.5	1849.3	1504.9
82.5°	2390.6	2489.0	4338.3	8672.5	16094.3	15844.2	4498.2	1488.5	1299.8	1029.2
85°	934.9	1045.6	1914.9	4010.3	6970.8	6819.1	1623.8	738.1	832.4	672.5
87.5°	307.5	373.1	684.8	1373.7	2169.1	2091.2	397.7	254.2	360.8	307.5
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°
10107.7	0°	10107.7	10107.7	10107.7	10107.7	10107.7	10107.7	10107.7	10107.7	10107.7	10107.7
10136.4	2.5°	10193.8	10259.4	10337.3	10452.1	10550.5	10632.5	10718.6	10771.9	10792.4	10853.9
10152.8	5°	10267.6	10411.1	10603.8	10792.4	10977.0	11087.7	11186.1	11235.3	11280.4	11313.2
10197.9	7.5°	10390.6	10575.1	10878.5	11124.6	11280.4	11370.6	11436.2	11419.8	11436.2	11444.4
10247.1	10°	10497.2	10755.5	11116.4	11350.1	11469.0	11473.1	11456.7	11399.3	11370.6	11374.7
10320.9	12.5°	10624.3	10911.4	11300.9	11497.7	11530.5	11440.3	11370.6	11272.2	11235.3	11218.9
10431.6	15°	10796.5	11124.6	11501.8	11575.6	11493.6	11378.8	11259.9	11100.0	11018.0	10952.4
10620.2	17.5°	11005.7	11366.5	11657.6	11604.3	11428.0	11239.4	11046.7	10804.7	10636.6	10566.9
10878.5	20°	11296.8	11620.7	11776.6	11542.8	11276.3	10989.3	10661.2	10366.0	10210.2	10140.5
11206.6	22.5°	11649.4	11961.1	11891.4	11436.2	11059.0	10599.7	10189.7	9972.3	9894.4	9845.2
11628.9	25°	12071.8	12338.3	11973.4	11280.4	10702.2	10083.1	9767.3	9697.6	9660.7	9623.8
12145.6	27.5°	12621.2	12764.8	12034.9	11050.8	10144.6	9533.6	9418.8	9431.1	9418.8	9357.3
12863.2	30°	13347.0	13318.3	12092.3	10677.6	9504.9	9037.4	9045.6	9098.9	9107.1	9066.1
13863.7	32.5°	14302.4	14011.3	12121.0	10193.8	8893.9	8602.8	8611.0	8668.4	8709.4	8639.7
15171.7	35°	15458.8	14819.1	12075.9	9586.9	8422.4	8188.6	8127.1	8143.5	8155.8	8090.2
16758.6	37.5°	16807.8	15725.3	11875.0	8914.4	8032.8	7782.7	7651.5	7540.8	7475.2	7413.6
18554.6	40°	18288.1	16713.5	11505.9	8258.3	7598.2	7352.1	7155.3	6946.2	6724.8	6642.8
20457.2	42.5°	19838.1	17730.4	11059.0	7631.0	7097.9	6897.0	6687.9	6384.4	6052.3	5884.2
22433.7	45°	21445.5	18772.0	10620.2	7011.8	6585.4	6499.2	6257.3	5892.4	5531.5	5318.3
24414.2	47.5°	23020.0	19756.1	9976.4	6388.5	6105.6	6199.9	6011.3	5675.1	5273.2	4937.0
26378.3	50°	24524.9	20678.7	8922.6	5757.1	5716.1	6109.7	5929.3	5445.4	4986.2	4555.6
28305.5	52.5°	26017.5	21425.0	7573.6	5183.0	5506.9	6085.1	5822.7	5289.6	4727.8	4276.8
30118.0	55°	27284.5	21810.4	6273.7	4690.9	5203.5	5876.0	5695.6	5105.1	4362.9	3883.1
31360.4	57.5°	28006.2	21498.8	5191.2	4207.1	4785.2	5531.5	5478.2	4711.4	3928.3	3559.2
31602.3	60°	27694.6	20235.8	4305.5	3784.7	4387.5	5158.4	5101.0	4321.9	3596.1	3247.6
30306.6	62.5°	25976.5	17828.8	3604.3	3415.7	4026.7	4777.0	4723.7	4022.6	3341.9	3005.6
26866.3	65°	22515.7	14503.4	3059.0	3108.2	3661.7	4317.8	4395.7	3772.4	3141.0	2812.9
20785.3	67.5°	17172.8	10505.4	2632.5	2841.6	3305.0	3866.7	4092.3	3592.0	2972.8	2661.2
12026.7	70°	9787.8	5966.2	2271.7	2583.3	2989.2	3448.5	3858.5	3448.5	2792.4	2534.1
4506.4	72.5°	3710.9	2739.1	1964.1	2325.0	2685.8	3095.9	3600.2	3223.0	2583.3	2390.6
2329.1	75°	1980.5	1668.9	1652.5	2021.5	2337.3	2751.4	3276.3	3001.5	2427.5	2525.9
1611.5	77.5°	1349.1	1180.9	1381.9	1730.4	1955.9	2370.1	2931.8	2665.3	2103.5	2095.3
1115.3	80°	934.9	836.5	1123.5	1394.2	1513.1	1992.8	2558.7	2288.1	1714.0	1599.2
688.9	82.5°	561.8	545.4	840.6	1041.5	1070.2	1537.7	2119.9	1919.0	1402.4	1221.9
410.0	85°	307.5	323.9	537.2	611.0	623.3	1074.3	1660.7	1484.4	1078.4	906.2
147.6	87.5°	86.1	110.7	196.8	241.9	299.3	557.7	988.2	881.6	541.3	377.2
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°
10107.7
10849.8
11321.4
11456.7
11382.9
11210.7
10972.9
10571.0
10132.3
9853.4
9623.8
9369.6
9086.6
8672.5
8135.3
7454.7
6679.7
5904.7
5301.9
4900.1
4518.7
4227.6
3842.1
3510.0
3198.4
2952.3
2759.6
2612.0
2501.3
2357.8
2607.9
1931.3
1529.5
1230.1
914.4
377.2
0.0

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