

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: P851665

Luminaire Tested: **GLAN-SB9D-730-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851665
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9D-730-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 65380 lumens
Efficiency: N/A
Efficacy: 99.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G5

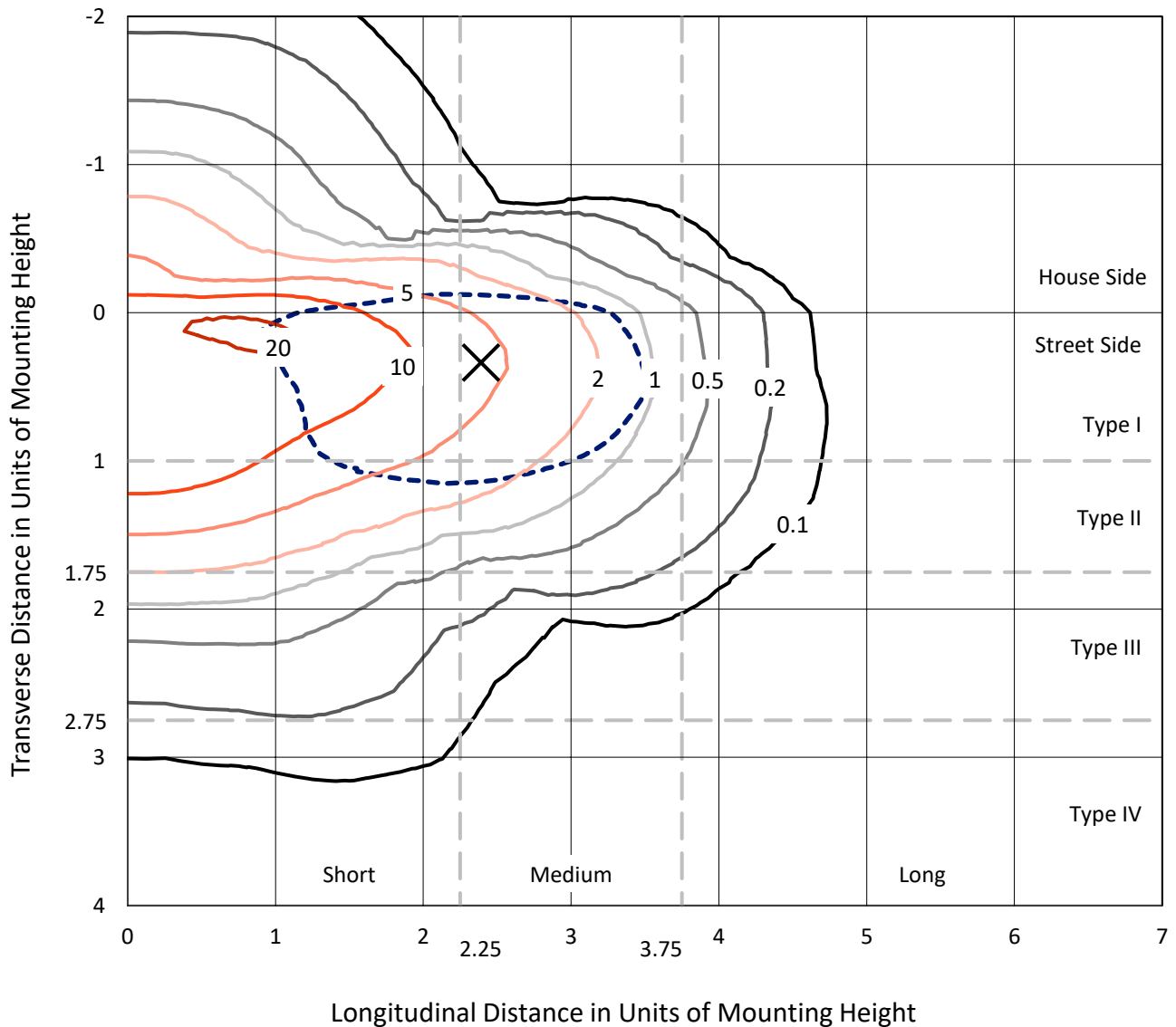
Input Watts (W): 658
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

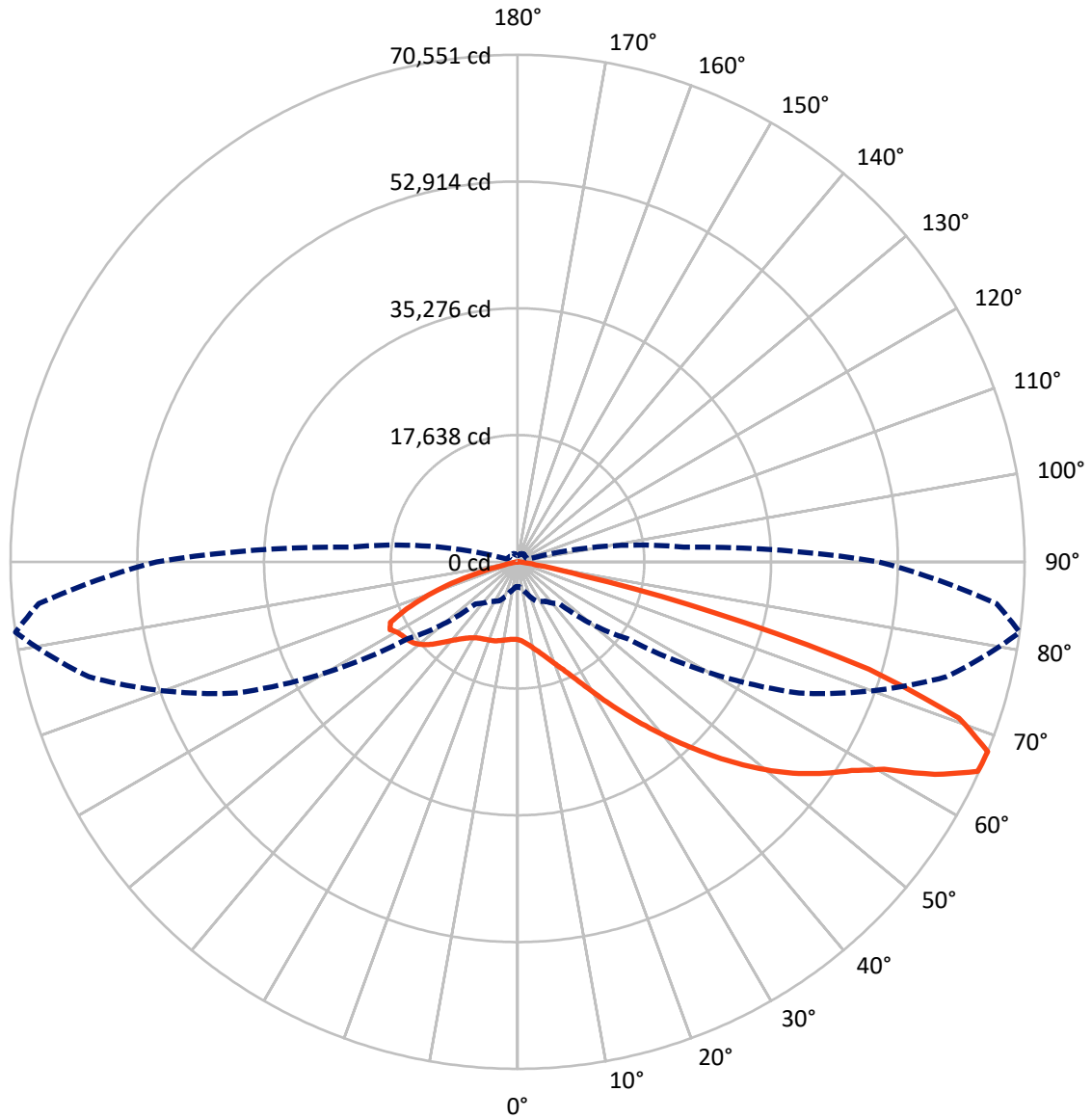
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 22.9 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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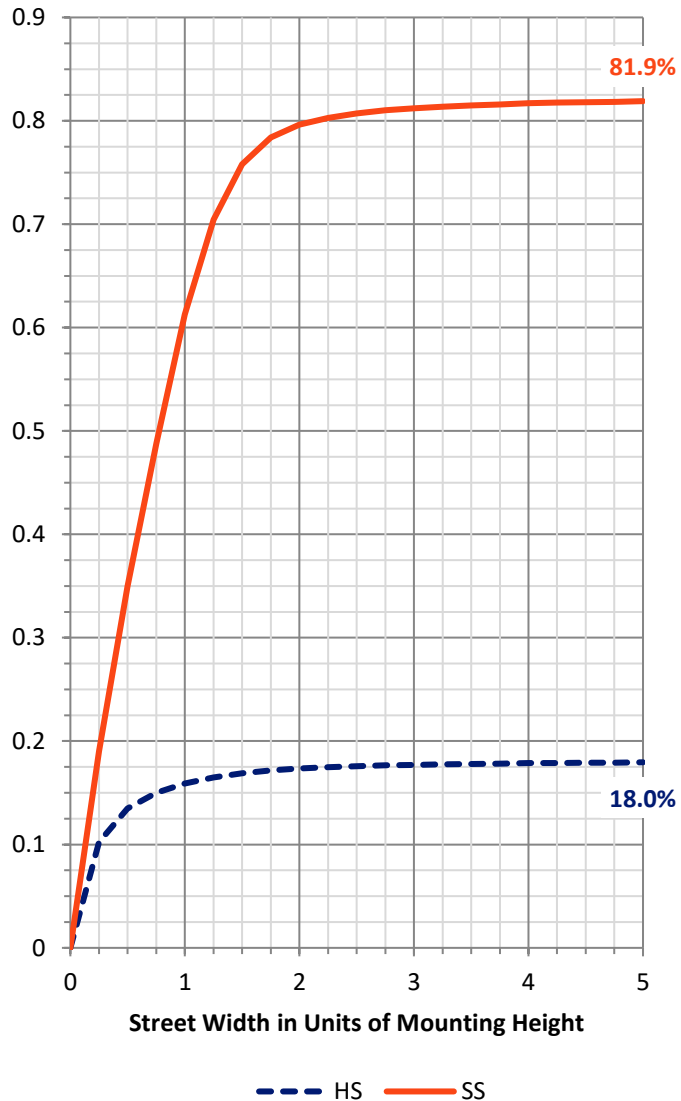
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11843.0	0.0	11843.0
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	53537.0	0.0	53537.0
	% Fixture	81.9	0.0	81.9
Total	Lumens	65380.0	0.0	65380.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	965.0	1.5
10°-20°	2507.6	3.8
20°-30°	4016.4	6.1
30°-40°	7102.2	10.9
40°-50°	12443.7	19.0
50°-60°	16596.5	25.4
60°-70°	15450.5	23.6
70°-80°	5929.9	9.1
80°-90°	368.3	0.6
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°	65380.0	100.0
0°-180°	65380.0	100.0

Coefficient of Utilization

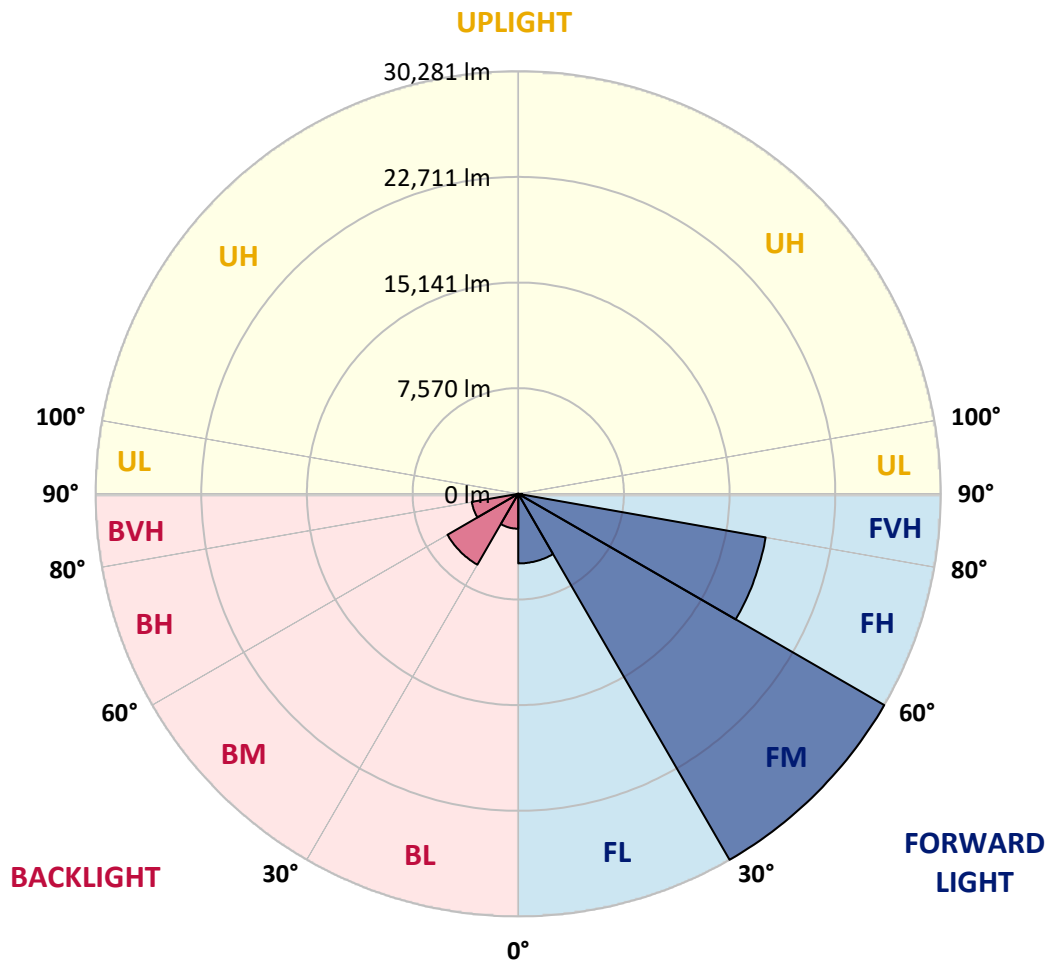


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4987.8	7.6			
FM (30°-60°)	30281.3	46.3			
FH (60°-80°)	18000.1	27.5			G5
FVH (80°-90°)	267.8	0.4			G3/500
BL (0°-30°)	2501.2	3.8	B4/5000		
BM (30°-60°)	5861.0	9.0	B4/8500		
BH (60°-80°)	3380.2	5.2	B4/5000		G4/5000
BVH (80°-90°)	100.5	0.2			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	10831.3	10831.3	10831.3	10831.3	10831.3	10831.3	10831.3	10831.3	10831.3	10831.3
2.5°	11447.9	11513.8	11476.1	11457.3	11424.4	11377.3	11339.6	11222.0	11099.6	11019.5
5°	11678.5	11744.4	11739.7	11758.6	11782.1	11796.2	11786.8	11655.0	11480.8	11344.3
7.5°	11480.8	11556.2	11617.4	11711.5	11876.3	12050.4	12135.1	12106.9	11928.0	11739.7
10°	10920.7	11000.7	11146.6	11367.9	11716.2	12092.8	12408.2	12554.1	12441.1	12234.0
12.5°	9894.5	9974.5	10261.7	10741.8	11325.5	11979.8	12582.3	12973.0	13001.3	12794.2
15°	8741.3	8821.3	9127.2	9729.8	10619.4	11669.1	12676.5	13415.5	13665.0	13486.1
17.5°	8025.8	8096.4	8327.0	8811.9	9739.2	11047.8	12643.5	13886.2	14455.8	14314.6
20°	7809.2	7870.4	7978.7	8317.6	9089.6	10402.9	12427.0	14328.7	15307.8	15227.8
22.5°	8039.9	8096.4	8129.3	8280.0	8764.8	9979.3	12154.0	14780.6	16296.3	16305.7
25°	8571.8	8628.3	8590.6	8684.8	8896.6	9847.4	12050.4	15312.5	17539.0	17642.6
27.5°	9447.3	9452.0	9362.6	9357.9	9390.9	10045.2	12158.7	15882.1	19106.5	19299.5
30°	11203.1	11132.5	10788.9	10417.0	10247.6	10638.3	12459.9	16555.2	20956.4	21300.1
32.5°	13909.8	13806.2	13175.4	12285.8	11391.4	11593.8	13001.3	17322.5	22971.1	23592.5
35°	16847.0	16818.8	16159.8	14837.1	13274.3	12954.2	13881.5	18329.8	25169.4	26157.9
37.5°	19577.2	19563.1	19186.5	17628.4	15726.7	14851.2	15293.7	19647.8	27523.0	28954.0
40°	22072.0	22114.4	21737.8	20344.5	18428.7	17284.8	17214.2	21276.5	30140.2	31999.5
42.5°	24227.9	24275.0	23893.7	22862.8	21097.6	19977.3	19572.5	23272.4	32696.2	35271.0
45°	25691.9	25983.7	25927.2	25103.5	23837.2	22674.6	22406.2	25776.6	35609.9	38740.2
47.5°	26106.1	26374.4	26798.1	26911.0	26139.0	24995.2	25315.3	28793.9	38556.6	42214.1
50°	25084.6	25334.1	26214.4	27386.5	27923.1	27570.0	28144.3	32027.7	41573.9	45678.6
52.5°	23070.0	23324.1	24435.0	26289.7	28478.5	29589.4	30982.8	35214.5	44497.1	48959.5
55°	20156.2	20424.5	21850.8	23950.2	27419.4	30422.6	33350.5	38396.6	47175.5	51910.9
57.5°	16192.7	16390.4	17873.2	20810.5	24755.1	29594.1	35096.8	41870.5	49698.6	54810.6
60°	10553.5	10727.7	12450.5	15726.7	20339.8	26826.3	35445.2	45744.5	53050.1	58581.0
62.5°	7018.4	7136.1	8157.6	10562.9	14324.0	21511.9	33407.0	48837.1	57964.4	65142.9
65°	4815.5	4933.1	5954.6	7630.4	9254.3	14229.8	27546.5	48427.6	62417.4	70353.7
67.5°	3436.3	3535.1	4401.2	5982.8	6698.3	8265.8	18673.4	43193.2	61777.2	70551.4
70°	2461.9	2518.3	3233.8	4660.1	5323.8	4966.1	10384.1	33035.1	54090.4	65147.6
72.5°	1722.8	1741.7	2245.3	3549.2	4288.3	3624.5	4942.6	22025.0	40910.2	51134.2
75°	1167.4	1190.9	1511.0	2603.1	3441.0	2767.8	2617.2	11810.3	24016.1	28304.4
77.5°	715.5	724.9	974.4	1779.3	2574.8	2108.8	1685.2	5003.7	9292.0	9122.5
80°	404.8	404.8	621.3	1106.2	1755.8	1360.4	1181.5	2127.7	2942.0	2584.2
82.5°	225.9	230.7	451.9	687.3	1162.7	804.9	649.6	983.8	1270.9	1125.0
85°	94.1	103.6	277.7	324.8	555.4	400.1	263.6	414.2	470.7	418.9
87.5°	9.4	14.1	84.7	61.2	65.9	80.0	37.7	80.0	65.9	65.9
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°
10831.3	0°	10831.3	10831.3	10831.3	10831.3	10831.3	10831.3	10831.3	10831.3	10831.3	10831.3
10991.3	2.5°	10901.9	10831.3	10652.4	10445.3	10172.2	10040.4	9861.6	9739.2	9635.6	9645.0
11264.3	5°	11113.7	10934.8	10534.7	10035.7	9414.4	8971.9	8501.2	8176.4	7912.8	7856.3
11640.9	7.5°	11405.5	11123.1	10421.7	9522.7	8472.9	7677.4	6966.6	6510.0	6185.3	6081.7
12097.5	10°	11782.1	11372.6	10275.8	8877.8	7366.8	6354.7	5592.1	5234.4	5013.2	4937.8
12634.1	12.5°	12219.9	11659.7	10082.8	8091.7	6227.6	5253.2	4768.4	4589.5	4518.9	4495.4
13293.1	15°	12770.6	12017.5	9791.0	7159.6	5262.6	4580.1	4373.0	4349.4	4358.9	4349.4
14083.9	17.5°	13424.9	12408.2	9315.5	6199.4	4613.1	4236.5	4161.2	4180.0	4203.5	4198.8
14968.9	20°	14140.4	12794.2	8708.3	5347.4	4170.6	3991.7	3949.3	3968.2	3987.0	3977.6
15990.3	22.5°	14954.8	13208.4	8035.2	4683.7	3874.0	3765.8	3718.7	3723.4	3723.4	3704.6
17284.8	25°	15929.1	13665.0	7329.1	4212.9	3648.1	3563.3	3506.9	3488.0	3459.8	3403.3
18857.0	27.5°	17091.8	14149.8	6651.3	3883.4	3469.2	3389.2	3323.3	3276.2	3205.6	3111.5
20744.6	30°	18400.4	14738.2	6077.0	3676.3	3328.0	3248.0	3172.6	3102.0	2998.5	2880.8
22914.6	32.5°	19939.7	15369.0	5658.0	3539.8	3200.9	3116.2	3026.7	2942.0	2829.0	2711.3
25352.9	35°	21775.5	16131.6	5413.3	3445.7	3102.0	2989.1	2890.2	2796.1	2711.3	2607.8
28003.1	37.5°	23766.6	16941.2	5338.0	3398.6	3036.1	2862.0	2749.0	2683.1	2673.7	2612.5
30869.8	40°	25946.1	17901.5	5394.4	3370.4	2965.5	2739.6	2617.2	2603.1	2626.6	2518.3
33934.2	42.5°	28252.6	19040.6	5488.6	3337.4	2866.7	2617.2	2499.5	2499.5	2480.7	2330.1
37172.7	45°	30747.4	20353.9	5582.7	3257.4	2749.0	2494.8	2405.4	2372.4	2292.4	2146.5
40430.1	47.5°	33261.0	21690.8	5653.3	3111.5	2607.8	2391.3	2311.2	2235.9	2118.2	1986.4
43626.3	50°	35647.6	22891.1	5578.0	2894.9	2447.7	2292.4	2207.7	2104.1	1977.0	1887.6
46653.0	52.5°	37779.9	23931.4	5257.9	2640.7	2278.3	2188.8	2113.5	2005.3	1901.7	1807.6
49383.2	55°	39634.6	24774.0	4693.1	2400.7	2127.7	2099.4	2024.1	1887.6	1746.4	1666.3
52089.8	57.5°	41413.9	25414.1	3987.0	2203.0	1991.1	2000.6	1887.6	1765.2	1633.4	1548.7
55737.9	60°	43781.6	26270.8	3271.5	2019.4	1845.2	1873.5	1751.1	1661.6	1496.9	1388.6
61993.7	62.5°	47566.2	27603.0	2598.4	1793.4	1675.8	1685.2	1633.4	1525.1	1327.4	1200.3
66630.3	65°	50569.4	27113.4	2047.6	1548.7	1482.8	1496.9	1496.9	1379.2	1167.4	1021.5
66879.8	67.5°	50230.5	23215.9	1633.4	1308.6	1299.2	1308.6	1341.6	1242.7	1035.6	917.9
61786.6	70°	46271.7	18466.3	1308.6	1087.4	1129.7	1106.2	1200.3	1134.4	932.0	814.3
47900.4	72.5°	37756.4	13302.5	997.9	899.1	866.1	903.8	1082.7	1021.5	776.7	644.9
25371.8	75°	22062.6	7098.4	743.7	710.8	626.1	753.2	960.3	870.8	593.1	475.4
7776.3	77.5°	7183.2	2476.0	546.0	522.5	466.0	607.2	819.1	734.3	484.8	376.6
2278.3	80°	1925.2	748.4	371.9	343.6	301.3	451.9	649.6	583.7	348.3	244.8
979.1	82.5°	772.0	315.4	216.5	193.0	164.8	310.7	513.1	470.7	258.9	155.3
306.0	85°	249.5	103.6	80.0	61.2	75.3	193.0	306.0	320.1	183.6	80.0
47.1	87.5°	33.0	14.1	14.1	18.8	14.1	33.0	94.1	89.4	51.8	9.4
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°
10831.3
9550.9
7729.2
5978.1
4881.4
4481.2
4344.7
4189.4
3972.9
3695.1
3393.9
3102.0
2871.4
2716.1
2598.4
2607.8
2523.1
2330.1
2141.8
1981.7
1873.5
1798.1
1656.9
1539.3
1374.5
1190.9
1007.3
899.1
800.2
630.8
461.3
362.5
240.1
155.3
61.2
0.0
0.0

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