

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: P848865

Luminaire Tested: **GLAN-SB5C-850-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848865
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-SB5C-850-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 5000K, 615mA 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: 23720 lumens
Efficiency: N/A
Efficacy: 95.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

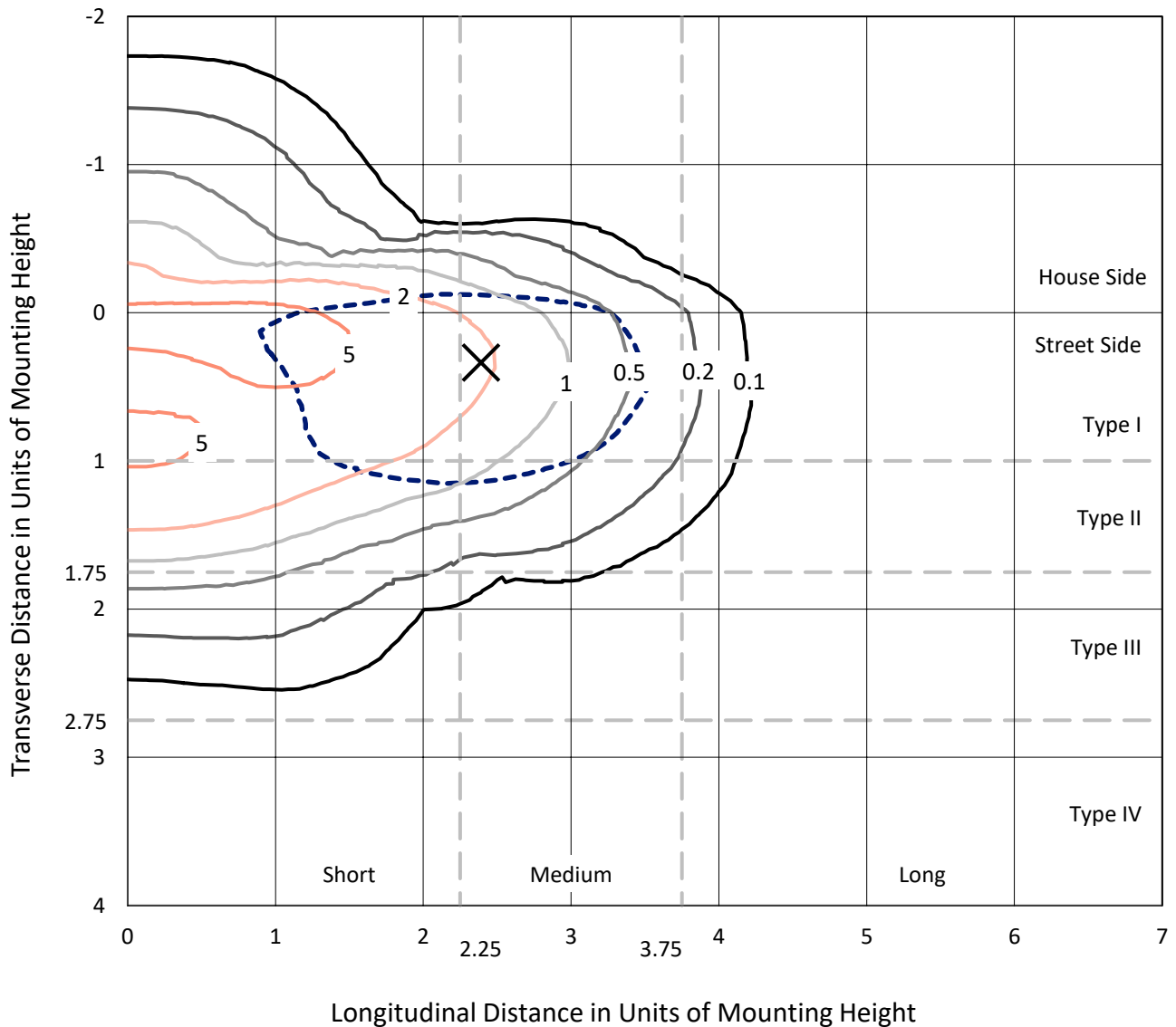
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

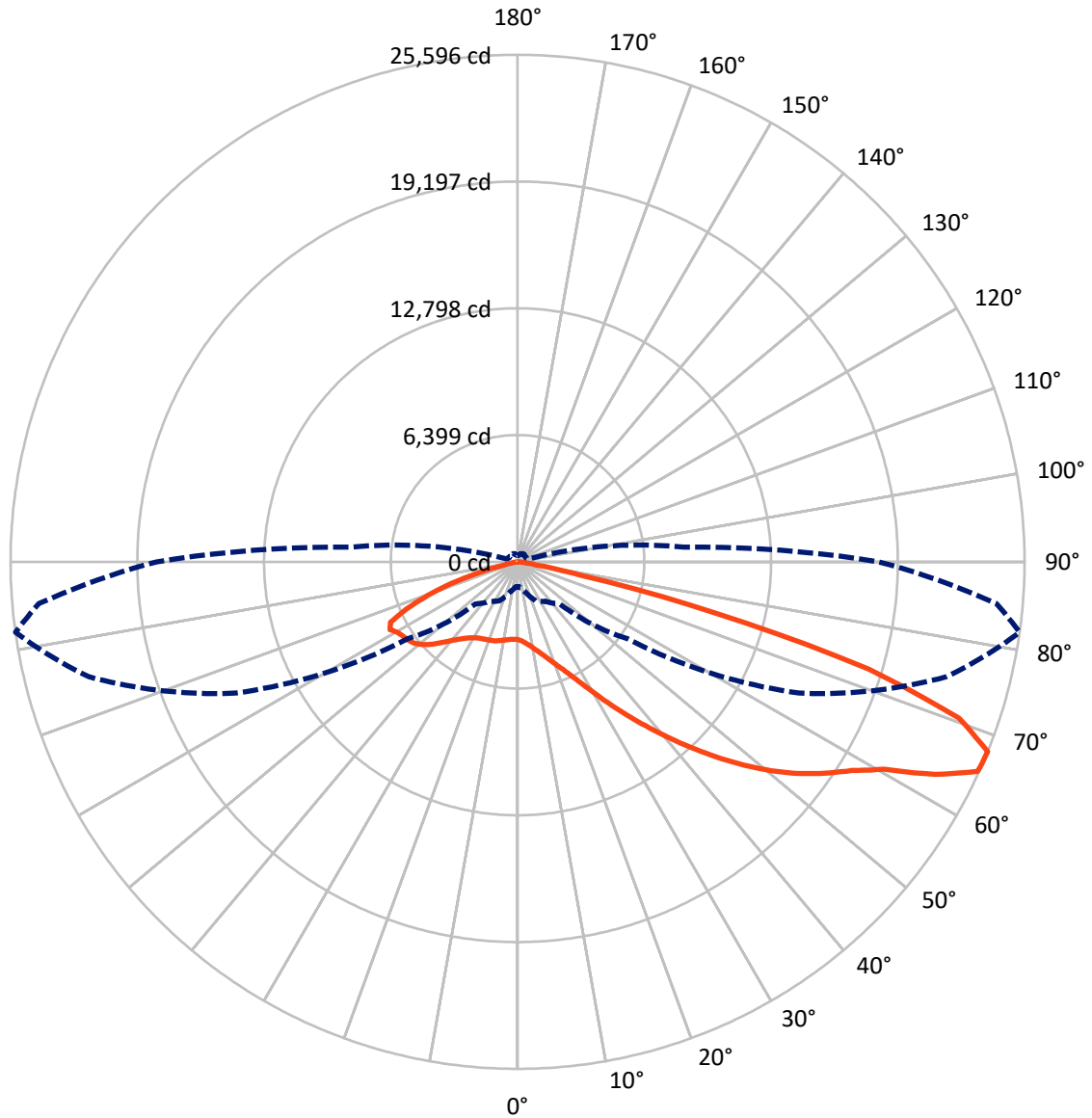
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.3 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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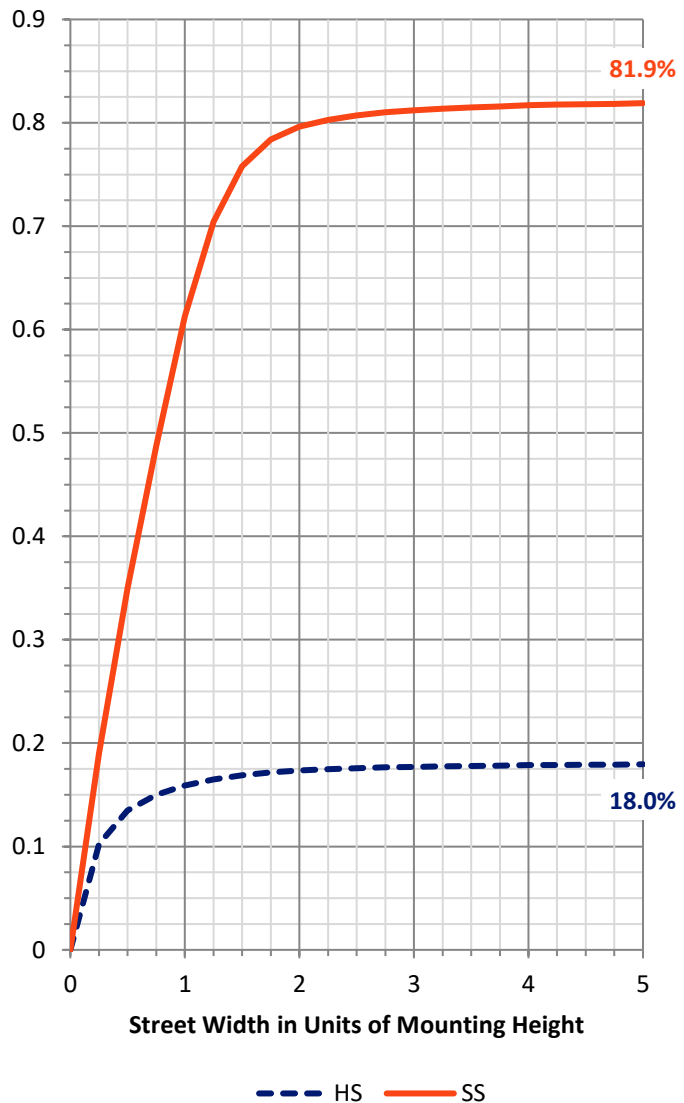
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4296.7	0.0	4296.7
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	19423.3	0.0	19423.3
	% Fixture	81.9	0.0	81.9
Total	Lumens	23720.0	0.0	23720.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	350.1	1.5
10°-20°	909.8	3.8
20°-30°	1457.2	6.1
30°-40°	2576.7	10.9
40°-50°	4514.6	19.0
50°-60°	6021.2	25.4
60°-70°	5605.5	23.6
70°-80°	2151.4	9.1
80°-90°	133.6	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°	23720.0	100.0
0°-180°	23720.0	100.0

Coefficient of Utilization



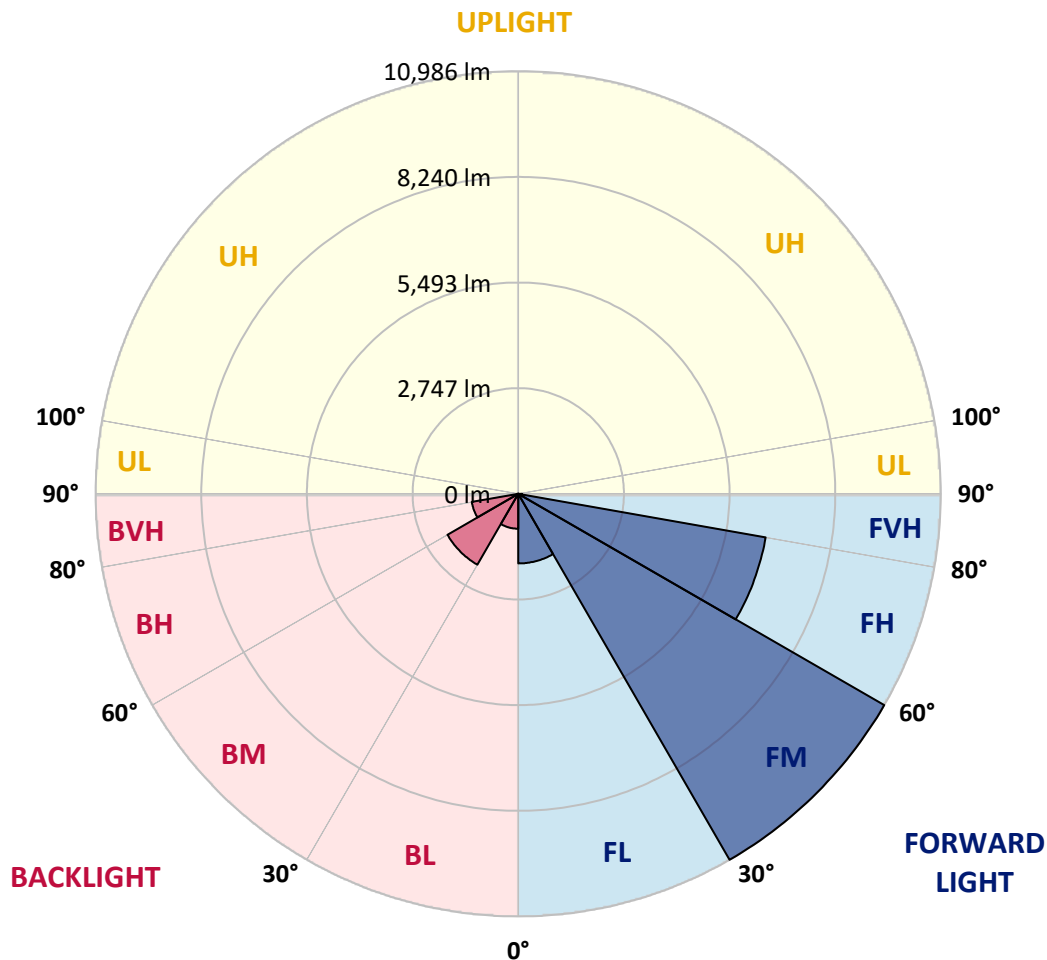
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1809.6	7.6			
FM (30°-60°)	10986.1	46.3			
FH (60°-80°)	6530.5	27.5			G3/7500
FVH (80°-90°)	97.1	0.4			G1/100
BL (0°-30°)	907.4	3.8	B2/1000		
BM (30°-60°)	2126.4	9.0	B2/2500		
BH (60°-80°)	1226.4	5.2	B3/2500		G3/2500
BVH (80°-90°)	36.5	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	3929.6	3929.6	3929.6	3929.6	3929.6	3929.6	3929.6	3929.6	3929.6	3929.6
2.5°	4153.3	4177.2	4163.6	4156.7	4144.8	4127.7	4114.0	4071.3	4026.9	3997.9
5°	4237.0	4260.9	4259.2	4266.0	4274.6	4279.7	4276.3	4228.5	4165.3	4115.7
7.5°	4165.3	4192.6	4214.8	4249.0	4308.7	4371.9	4402.7	4392.4	4327.5	4259.2
10°	3962.0	3991.1	4044.0	4124.3	4250.7	4387.3	4501.7	4554.6	4513.7	4438.5
12.5°	3589.8	3618.8	3723.0	3897.2	4108.9	4346.3	4564.9	4706.6	4716.9	4641.7
15°	3171.3	3200.4	3311.4	3530.0	3852.8	4233.6	4599.1	4867.2	4957.7	4892.8
17.5°	2911.8	2937.4	3021.1	3197.0	3533.4	4008.2	4587.1	5038.0	5244.6	5193.4
20°	2833.2	2855.4	2894.7	3017.6	3297.7	3774.2	4508.5	5198.5	5553.7	5524.7
22.5°	2916.9	2937.4	2949.3	3004.0	3179.9	3620.5	4409.5	5362.4	5912.3	5915.7
25°	3109.9	3130.4	3116.7	3150.9	3227.7	3572.7	4371.9	5555.4	6363.2	6400.8
27.5°	3427.5	3429.2	3396.8	3395.1	3407.0	3644.4	4411.2	5762.0	6931.9	7001.9
30°	4064.5	4038.9	3914.2	3779.3	3717.8	3859.6	4520.5	6006.3	7603.0	7727.7
32.5°	5046.5	5008.9	4780.1	4457.3	4132.8	4206.3	4716.9	6284.6	8334.0	8559.4
35°	6112.1	6101.9	5862.8	5382.9	4815.9	4699.8	5036.2	6650.1	9131.5	9490.1
37.5°	7102.7	7097.5	6960.9	6395.6	5705.7	5388.0	5548.6	7128.3	9985.4	10504.6
40°	8007.8	8023.1	7886.5	7381.0	6686.0	6271.0	6245.4	7719.2	10934.9	11609.5
42.5°	8789.9	8807.0	8668.7	8294.7	7654.3	7247.8	7100.9	8443.3	11862.2	12796.4
45°	9321.1	9426.9	9406.5	9107.6	8648.2	8226.4	8129.0	9351.8	12919.4	14055.0
47.5°	9471.3	9568.7	9722.4	9763.4	9483.3	9068.3	9184.4	10446.5	13988.4	15315.4
50°	9100.8	9191.3	9510.6	9935.9	10130.5	10002.5	10210.8	11619.7	15083.1	16572.3
52.5°	8369.8	8462.0	8865.1	9538.0	10332.1	10735.1	11240.6	12775.9	16143.6	17762.6
55°	7312.7	7410.1	7927.5	8689.2	9947.8	11037.4	12099.6	13930.4	17115.4	18833.4
57.5°	5874.8	5946.5	6484.4	7550.1	8981.2	10736.8	12733.2	15190.7	18030.7	19885.4
60°	3828.8	3892.0	4517.1	5705.7	7379.3	9732.6	12859.6	16596.2	19246.7	21253.3
62.5°	2546.3	2589.0	2959.6	3832.3	5196.8	7804.6	12120.1	17718.2	21029.6	23634.0
65°	1747.1	1789.8	2160.3	2768.3	3357.5	5162.6	9993.9	17569.6	22645.2	25524.5
67.5°	1246.7	1282.5	1596.8	2170.6	2430.2	2998.9	6774.8	15670.6	22412.9	25596.2
70°	893.2	913.7	1173.2	1690.7	1931.5	1801.7	3767.4	11985.2	19624.1	23635.7
72.5°	625.0	631.9	814.6	1287.7	1555.8	1315.0	1793.2	7990.7	14842.3	18551.6
75°	423.5	432.1	548.2	944.4	1248.4	1004.2	949.5	4284.8	8713.1	10268.9
77.5°	259.6	263.0	353.5	645.5	934.2	765.1	611.4	1815.4	3371.2	3309.7
80°	146.9	146.9	225.4	401.3	637.0	493.5	428.7	771.9	1067.4	937.6
82.5°	82.0	83.7	163.9	249.3	421.8	292.0	235.7	356.9	461.1	408.2
85°	34.2	37.6	100.8	117.8	201.5	145.2	95.6	150.3	170.8	152.0
87.5°	3.4	5.1	30.7	22.2	23.9	29.0	13.7	29.0	23.9	23.9
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°
3929.6	0°	3929.6	3929.6	3929.6	3929.6	3929.6	3929.6	3929.6	3929.6	3929.6	3929.6
3987.7	2.5°	3955.2	3929.6	3864.7	3789.6	3690.5	3642.7	3577.8	3533.4	3495.8	3499.2
4086.7	5°	4032.1	3967.2	3822.0	3641.0	3415.6	3255.0	3084.3	2966.4	2870.8	2850.3
4223.3	7.5°	4138.0	4035.5	3781.0	3454.8	3074.0	2785.4	2527.5	2361.9	2244.0	2206.5
4389.0	10°	4274.6	4126.0	3728.1	3220.9	2672.7	2305.5	2028.8	1899.1	1818.8	1791.5
4583.7	12.5°	4433.4	4230.2	3658.1	2935.7	2259.4	1905.9	1730.0	1665.1	1639.5	1630.9
4822.8	15°	4633.2	4360.0	3552.2	2597.5	1909.3	1661.7	1586.5	1578.0	1581.4	1578.0
5109.7	17.5°	4870.6	4501.7	3379.7	2249.1	1673.6	1537.0	1509.7	1516.5	1525.0	1523.3
5430.7	20°	5130.2	4641.7	3159.4	1940.0	1513.1	1448.2	1432.8	1439.7	1446.5	1443.1
5801.3	22.5°	5425.6	4792.0	2915.2	1699.2	1405.5	1366.2	1349.1	1350.9	1350.9	1344.0
6271.0	25°	5779.1	4957.7	2659.0	1528.5	1323.5	1292.8	1272.3	1265.5	1255.2	1234.7
6841.4	27.5°	6200.9	5133.6	2413.1	1408.9	1258.6	1229.6	1205.7	1188.6	1163.0	1128.8
7526.2	30°	6675.7	5347.1	2204.7	1333.8	1207.4	1178.4	1151.0	1125.4	1087.9	1045.2
8313.5	32.5°	7234.2	5575.9	2052.8	1284.3	1161.3	1130.6	1098.1	1067.4	1026.4	983.7
9198.1	35°	7900.2	5852.6	1963.9	1250.1	1125.4	1084.4	1048.6	1014.4	983.7	946.1
10159.6	37.5°	8622.6	6146.3	1936.6	1233.0	1101.5	1038.3	997.3	973.4	970.0	947.8
11199.6	40°	9413.3	6494.7	1957.1	1222.8	1075.9	993.9	949.5	944.4	952.9	913.7
12311.4	42.5°	10250.1	6908.0	1991.3	1210.8	1040.0	949.5	906.8	906.8	900.0	845.4
13486.3	45°	11155.2	7384.4	2025.4	1181.8	997.3	905.1	872.7	860.7	831.7	778.7
14668.1	47.5°	12067.2	7869.4	2051.0	1128.8	946.1	867.6	838.5	811.2	768.5	720.7
15827.7	50°	12933.0	8304.9	2023.7	1050.3	888.0	831.7	800.9	763.4	717.3	684.8
16925.8	52.5°	13706.6	8682.4	1907.6	958.1	826.6	794.1	766.8	727.5	689.9	655.8
17916.3	55°	14379.5	8988.0	1702.7	871.0	771.9	761.7	734.3	684.8	633.6	604.6
18898.3	57.5°	15025.0	9220.3	1446.5	799.2	722.4	725.8	684.8	640.4	592.6	561.9
20221.8	60°	15884.1	9531.1	1186.9	732.6	669.4	679.7	635.3	602.8	543.1	503.8
22491.5	62.5°	17257.1	10014.4	942.7	650.7	608.0	611.4	592.6	553.3	481.6	435.5
24173.6	65°	18346.7	9836.8	742.9	561.9	538.0	543.1	543.1	500.4	423.5	370.6
24264.1	67.5°	18223.7	8422.8	592.6	474.8	471.3	474.8	486.7	450.9	375.7	333.0
22416.3	70°	16787.5	6699.6	474.8	394.5	409.9	401.3	435.5	411.6	338.1	295.4
17378.4	72.5°	13698.1	4826.2	362.0	326.2	314.2	327.9	392.8	370.6	281.8	234.0
9204.9	75°	8004.4	2575.3	269.8	257.9	227.1	273.2	348.4	315.9	215.2	172.5
2821.3	77.5°	2606.1	898.3	198.1	189.6	169.1	220.3	297.2	266.4	175.9	136.6
826.6	80°	698.5	271.5	134.9	124.7	109.3	163.9	235.7	211.8	126.4	88.8
355.2	82.5°	280.1	114.4	78.6	70.0	59.8	112.7	186.1	170.8	93.9	56.4
111.0	85°	90.5	37.6	29.0	22.2	27.3	70.0	111.0	116.1	66.6	29.0
17.1	87.5°	12.0	5.1	5.1	6.8	5.1	12.0	34.2	32.4	18.8	3.4
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°
3929.6
3465.1
2804.2
2168.9
1771.0
1625.8
1576.3
1519.9
1441.4
1340.6
1231.3
1125.4
1041.7
985.4
942.7
946.1
915.4
845.4
777.0
719.0
679.7
652.4
601.1
558.4
498.7
432.1
365.5
326.2
290.3
228.8
167.4
131.5
87.1
56.4
22.2
0.0
0.0

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