

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: P852954

Luminaire Tested: **GLAN-SB7C-850-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852954
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB7C-850-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34625 lumens
Efficiency: N/A
Efficacy: 98.8 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

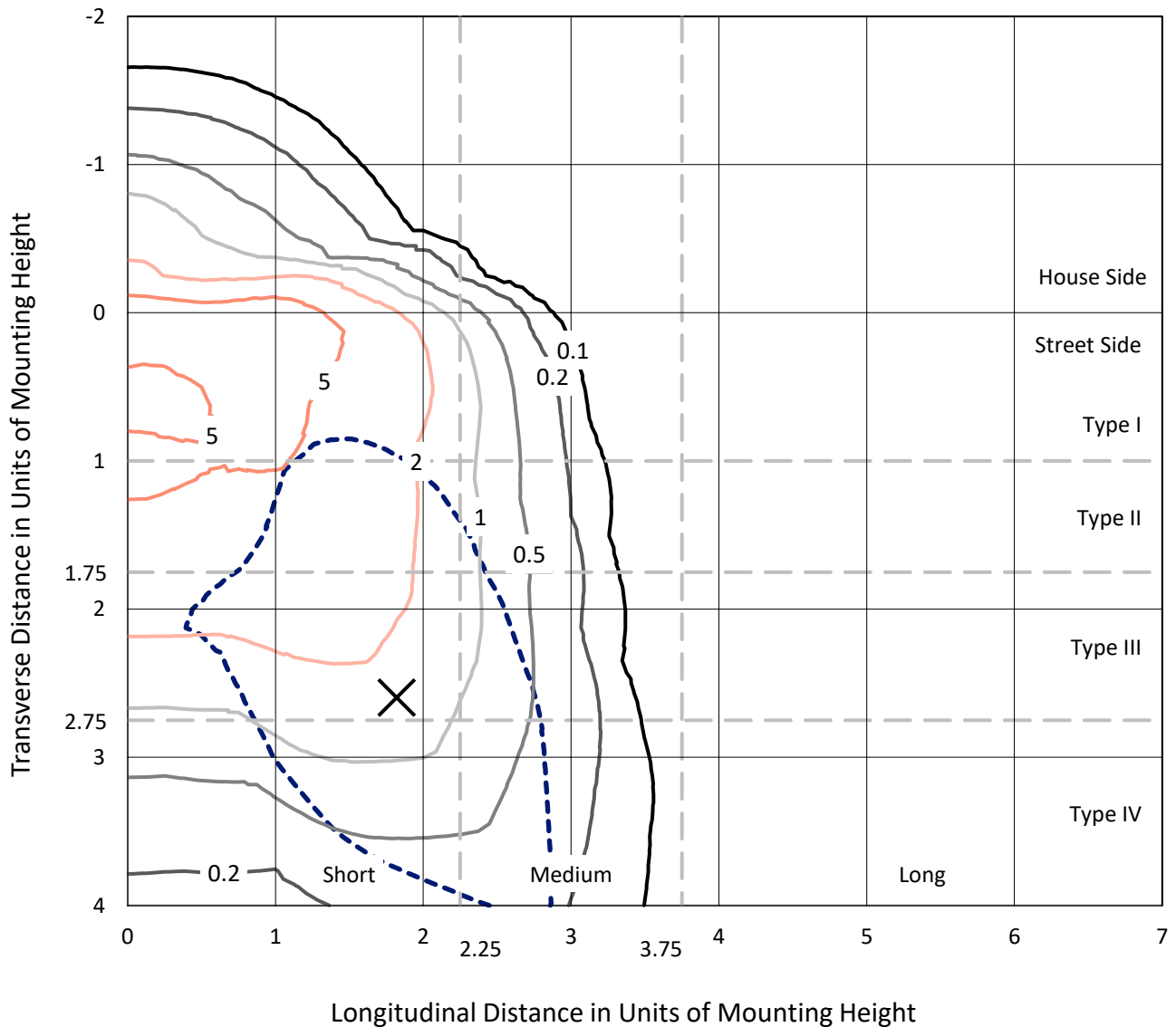
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

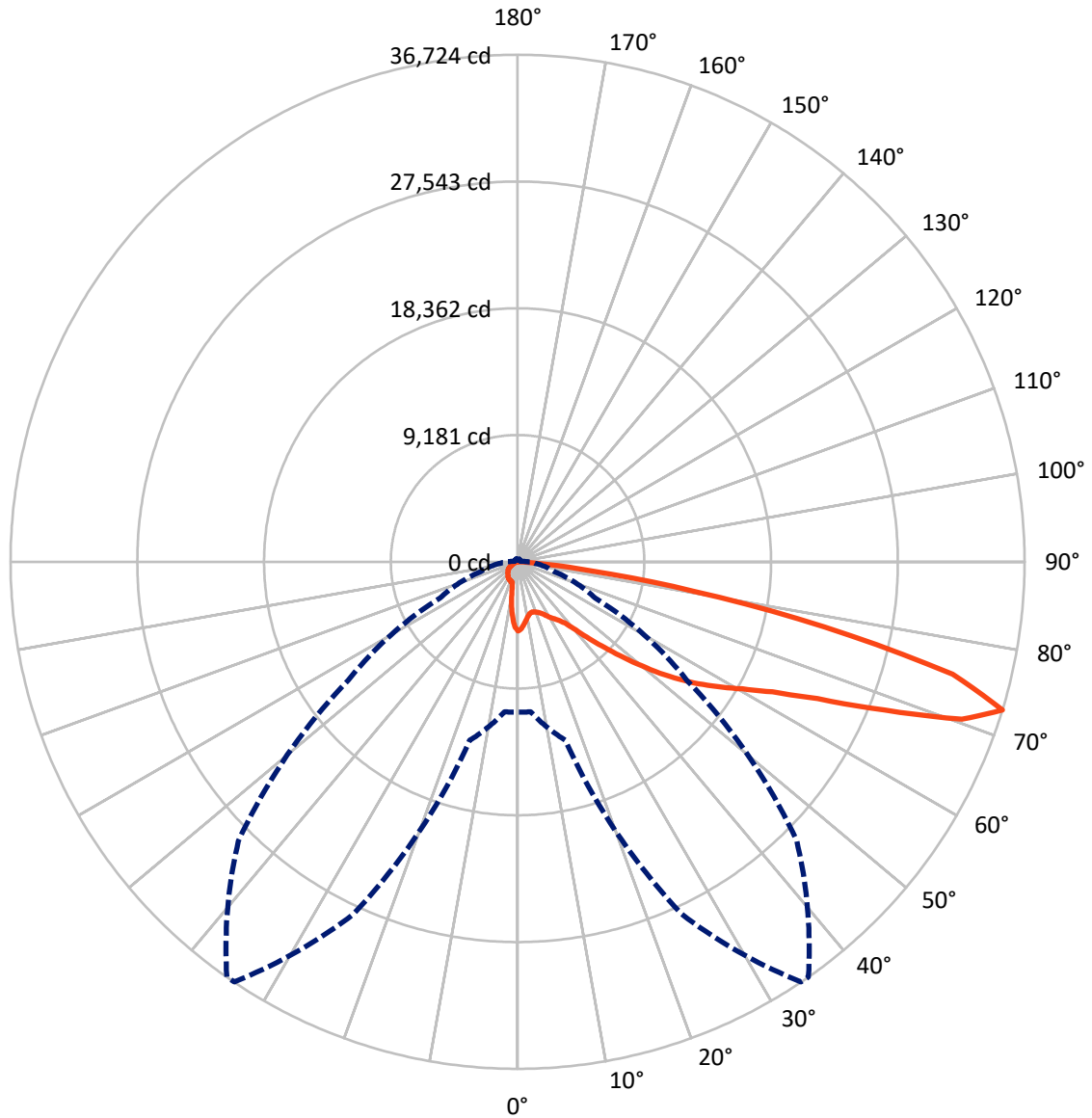
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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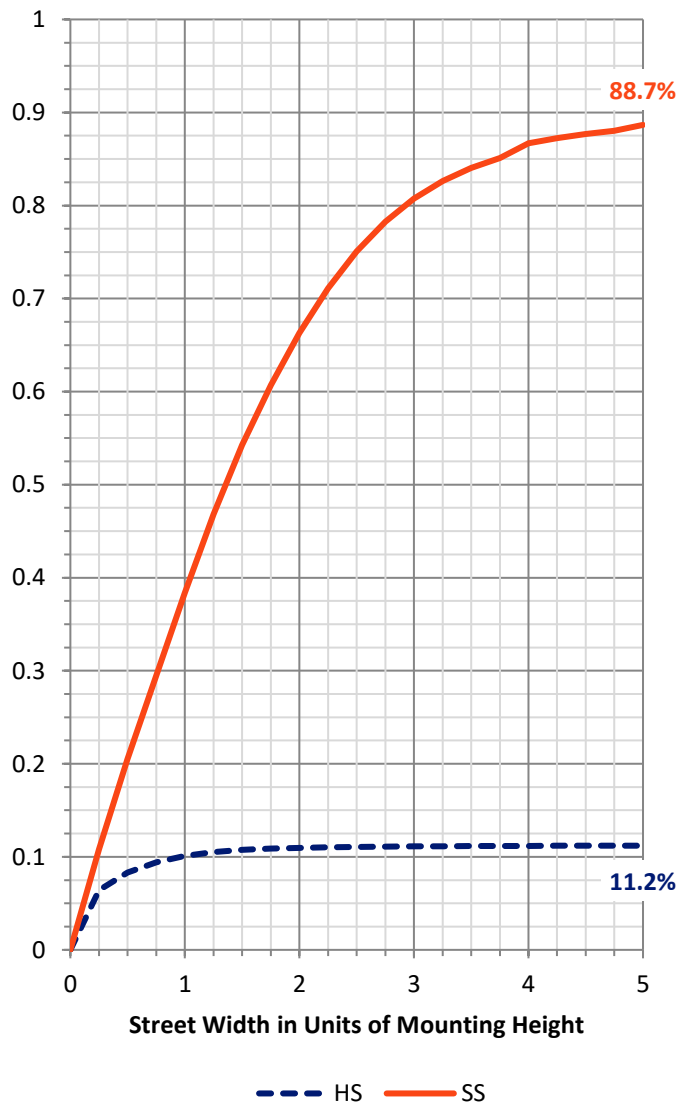
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3896.9	0.0	3896.9
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	30728.1	0.0	30728.1
	% Fixture	88.7	0.0	88.7
Total	Lumens	34625.0	0.0	34625.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	412.4	1.2
10°-20°	964.7	2.8
20°-30°	1567.1	4.5
30°-40°	2614.7	7.6
40°-50°	4947.1	14.3
50°-60°	7861.0	22.7
60°-70°	9724.6	28.1
70°-80°	6044.9	17.5
80°-90°	488.5	1.4
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°	34625.0	100.0
0°-180°	34625.0	100.0

Coefficient of Utilization



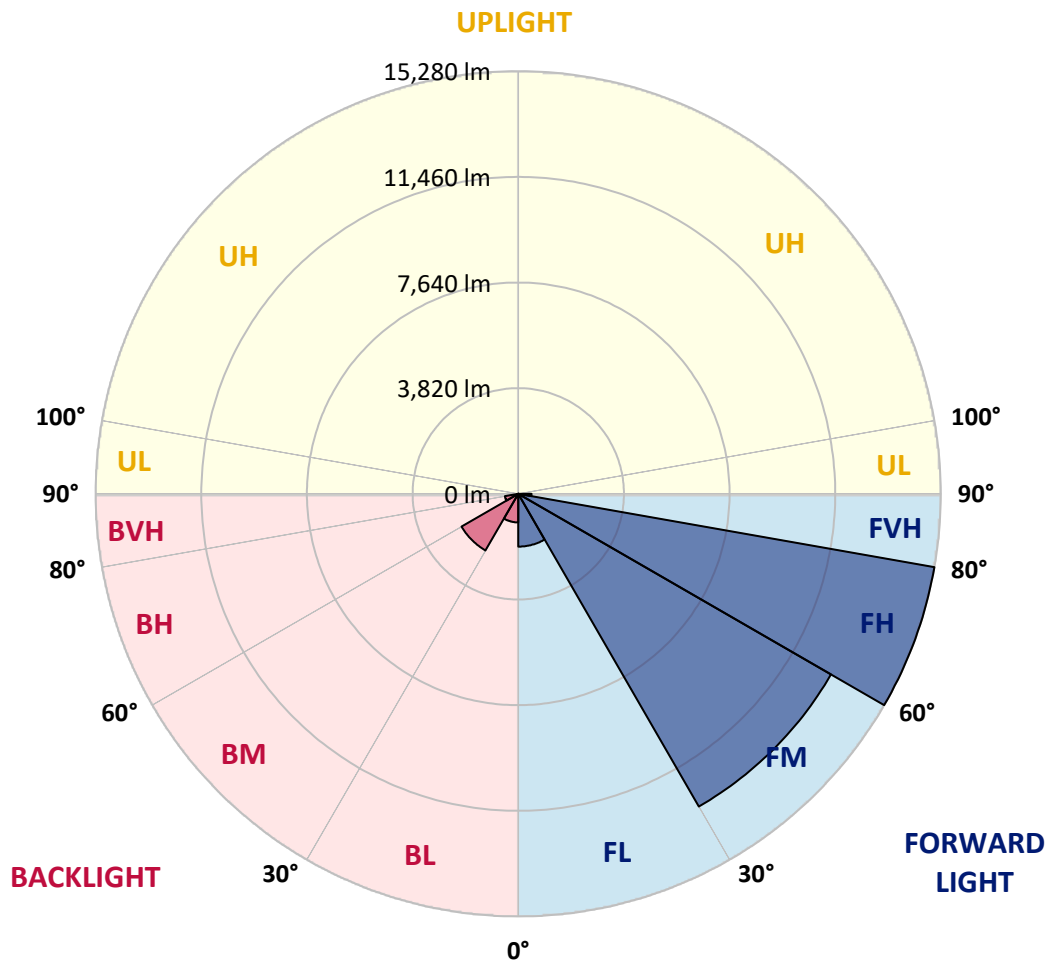
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1908.7	5.5			
FM (30°-60°)	13057.1	37.7			
FH (60°-80°)	15280.4	44.1			G5
FVH (80°-90°)	481.9	1.4			G3/500
BL (0°-30°)	1035.5	3.0	B3/2500		
BM (30°-60°)	2365.8	6.8	B2/2500		
BH (60°-80°)	489.0	1.4	B1/500		G1/500
BVH (80°-90°)	6.6	0.0			G0/10
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°	34°	35°	45°	55°	65°	75°
0°	5018.3	5018.3	5018.3	5018.3	5018.3	5018.3	5018.3	5018.3	5018.3	5018.3
2.5°	4795.1	4835.7	4843.3	4856.0	4856.0	4871.2	4896.5	4932.1	4990.4	5020.9
5°	4419.6	4450.0	4488.1	4518.5	4576.9	4584.5	4683.4	4779.8	4914.3	5015.8
7.5°	4041.6	4077.1	4127.8	4201.4	4277.5	4300.3	4450.0	4612.4	4825.5	5015.8
10°	3775.2	3777.7	3823.4	3896.9	4018.7	4046.6	4229.3	4460.2	4726.6	4985.3
12.5°	3625.5	3643.2	3663.5	3719.3	3836.0	3853.8	4049.2	4320.6	4627.6	4967.6
15°	3625.5	3638.2	3650.8	3678.8	3772.6	3787.8	3960.4	4231.8	4576.9	4975.2
17.5°	3663.5	3683.8	3673.7	3706.7	3805.6	3815.8	3968.0	4206.5	4574.3	5023.4
20°	3754.9	3770.1	3749.8	3770.1	3869.0	3889.3	4046.6	4254.7	4617.5	5107.1
22.5°	3899.5	3907.1	3858.9	3874.1	3975.6	4001.0	4183.6	4391.7	4721.5	5241.6
25°	4082.1	4097.4	4023.8	4041.6	4138.0	4168.4	4379.0	4597.2	4886.4	5426.8
27.5°	4292.7	4300.3	4236.9	4234.4	4358.7	4401.8	4614.9	4850.9	5107.1	5660.2
30°	4533.7	4556.6	4495.7	4485.5	4642.8	4678.4	4888.9	5162.9	5431.9	6010.3
32.5°	4724.0	4741.8	4706.3	4731.6	4891.5	4919.4	5221.3	5604.4	5941.8	6507.6
35°	4998.0	5008.2	4927.0	4972.7	5155.3	5226.4	5675.4	6223.4	6583.7	7131.7
37.5°	5990.0	5990.0	5645.0	5419.2	5594.2	5657.7	6297.0	7002.3	7375.3	7968.9
40°	7362.6	7339.7	6834.9	6373.1	6350.3	6474.6	7182.4	7984.2	8397.7	8973.6
42.5°	8826.5	8790.9	8103.4	7646.7	7570.6	7613.7	8204.9	9194.3	9615.5	10199.0
45°	10125.4	10115.3	9486.1	8872.1	8735.1	8872.1	9481.0	10610.0	10911.9	11525.9
47.5°	11213.8	11213.8	10754.6	10353.8	10282.7	10363.9	11208.8	12180.5	12152.6	12939.1
50°	12467.2	12457.0	12020.6	11848.1	11921.7	12035.9	13197.8	13834.6	13436.3	14326.8
52.5°	13345.0	13405.9	13256.2	13228.3	13603.8	13801.7	15217.3	15453.3	14585.6	15643.6
55°	14040.1	14111.2	14283.7	14479.1	15202.1	15460.9	17173.4	16988.2	15547.2	16785.3
57.5°	15024.5	14923.0	15189.4	15575.1	16744.7	17056.7	19068.6	18436.9	16321.0	17711.3
60°	16219.5	16234.7	16280.4	16767.5	18284.7	18685.5	20935.9	19806.9	16818.2	18279.6
62.5°	17655.5	17678.3	17772.2	18520.6	20352.4	20730.4	22925.0	20928.3	17046.6	18119.8
65°	17556.5	17652.9	18700.7	21260.6	23495.8	23868.7	25246.4	21714.8	16701.5	16658.4
67.5°	15993.7	16151.0	17904.1	24533.5	28235.0	28651.1	28052.4	21869.5	15212.3	12954.3
70°	13943.7	13999.5	16107.9	27476.5	33722.7	34143.9	30564.1	20167.2	11543.7	7225.6
72.5°	10889.1	10901.8	13375.4	28158.9	36701.2	36724.1	28592.8	14971.2	6208.2	2775.6
75°	7778.7	7702.5	8958.4	22836.2	32289.3	32548.1	21435.7	7022.6	2372.2	1311.7
77.5°	4170.9	4254.7	5069.1	13542.9	22305.9	22747.4	11695.9	2024.6	1207.6	893.0
80°	1288.8	1359.9	2077.9	6200.6	12634.6	12901.0	4335.9	900.7	842.3	636.8
82.5°	405.9	421.2	969.2	2605.6	5244.1	5365.9	1255.8	510.0	575.9	421.2
85°	116.7	119.2	431.3	971.7	1296.4	1321.8	352.7	197.9	329.8	261.3
87.5°	12.7	40.6	162.4	162.4	114.2	111.6	38.1	43.1	93.9	33.0
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°
5018.3	0°	5018.3	5018.3	5018.3	5018.3	5018.3	5018.3	5018.3	5018.3	5018.3	5018.3
5041.2	2.5°	5028.5	5031.0	4998.0	4942.2	4881.3	4830.6	4767.2	4716.4	4680.9	4670.7
5086.8	5°	5064.0	5046.2	4952.4	4782.4	4579.4	4404.4	4209.0	4054.2	3952.8	3909.6
5135.0	7.5°	5117.3	5066.5	4861.0	4526.1	4138.0	3792.9	3442.8	3171.3	2998.8	2912.6
5180.7	10°	5162.9	5061.5	4708.8	4155.7	3562.0	3039.4	2567.5	2240.2	2057.6	1971.3
5234.0	12.5°	5206.1	5058.9	4510.9	3716.8	2912.6	2273.2	1834.3	1671.9	1621.2	1603.4
5320.2	15°	5287.3	5066.5	4262.3	3214.5	2265.6	1717.6	1557.8	1555.2	1565.4	1560.3
5452.2	17.5°	5398.9	5074.1	3980.7	2681.7	1748.0	1514.6	1507.0	1529.9	1545.1	1537.5
5617.1	20°	5543.5	5104.6	3681.3	2154.0	1501.9	1463.9	1481.6	1501.9	1514.6	1501.9
5837.8	22.5°	5746.5	5157.9	3354.0	1730.3	1423.3	1433.4	1448.7	1471.5	1484.2	1466.4
6119.4	25°	5995.1	5241.6	3031.8	1504.5	1385.2	1397.9	1420.8	1446.1	1461.4	1443.6
6474.6	27.5°	6317.3	5376.1	2735.0	1453.7	1347.2	1354.8	1387.8	1425.8	1446.1	1423.3
6979.5	30°	6784.1	5596.8	2478.7	1476.6	1324.4	1306.6	1352.3	1405.5	1428.4	1408.1
7667.0	32.5°	7403.2	5908.8	2321.4	1512.1	1314.2	1250.8	1293.9	1362.4	1400.5	1387.8
8565.1	35°	8215.0	6383.3	2260.5	1552.7	1306.6	1192.4	1222.9	1296.4	1362.4	1375.1
9696.7	37.5°	9199.4	7042.9	2278.3	1570.4	1283.8	1144.2	1159.4	1222.9	1309.1	1349.7
10970.3	40°	10318.3	7811.6	2379.8	1552.7	1258.4	1103.6	1106.2	1154.4	1230.5	1291.4
12340.3	42.5°	11472.6	8709.8	2567.5	1486.7	1235.6	1068.1	1060.5	1093.5	1144.2	1187.3
13707.8	45°	12571.2	9633.3	2752.7	1395.4	1207.6	1032.6	1014.8	1027.5	1037.7	1055.4
15039.7	47.5°	13530.2	10282.7	2699.4	1311.7	1169.6	992.0	961.5	956.5	926.0	923.5
16229.6	50°	14192.4	10424.8	2397.5	1227.9	1113.8	946.3	898.1	867.7	814.4	789.0
17120.1	52.5°	14402.9	9864.1	1958.6	1144.2	1022.4	885.4	816.9	768.7	702.8	679.9
17632.6	55°	14123.9	8765.6	1565.4	1042.7	895.6	804.3	728.1	664.7	611.4	583.5
17688.4	57.5°	13441.4	7367.6	1238.1	923.5	761.1	712.9	636.8	573.4	527.7	499.8
17069.4	60°	12309.9	5850.5	979.3	781.4	649.5	614.0	535.3	494.7	454.1	421.2
15471.0	62.5°	10592.3	4176.0	768.7	619.0	542.9	502.3	456.7	426.2	378.0	332.4
12596.5	65°	8265.8	2554.8	593.7	454.1	436.4	416.1	388.2	360.3	301.9	256.2
8217.6	67.5°	5213.7	1210.2	423.7	342.5	345.0	334.9	322.2	299.4	256.2	215.7
3681.3	70°	2296.0	586.1	279.1	261.3	256.2	256.2	266.4	258.8	218.2	180.1
1278.7	72.5°	781.4	314.6	208.0	197.9	185.2	182.7	223.3	215.7	175.1	139.5
636.8	75°	408.5	210.6	152.2	142.1	111.6	134.5	177.6	167.4	124.3	91.3
421.2	77.5°	266.4	149.7	104.0	91.3	63.4	88.8	131.9	116.7	73.6	45.7
276.5	80°	167.4	98.9	60.9	43.1	30.4	48.2	71.0	50.7	27.9	10.1
162.4	82.5°	88.8	50.7	22.8	15.2	12.7	15.2	17.8	12.7	5.1	0.0
83.7	85°	35.5	17.8	7.6	5.1	2.5	0.0	5.1	2.5	0.0	0.0
15.2	87.5°	12.7	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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

<u>180°</u>
5018.3
4688.5
3924.8
2925.2
1973.8
1598.4
1557.8
1534.9
1499.4
1463.9
1441.1
1423.3
1405.5
1387.8
1375.1
1359.9
1311.7
1205.1
1065.6
921.0
791.6
677.4
583.5
494.7
413.5
324.7
248.6
210.6
172.5
131.9
83.7
40.6
7.6
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