

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: P852990

Luminaire Tested: **GLAN-SB7D-927-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852990
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-SB7D-927-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 2700K, 900mA 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: 35286 lumens
Efficiency: N/A
Efficacy: 68.8 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

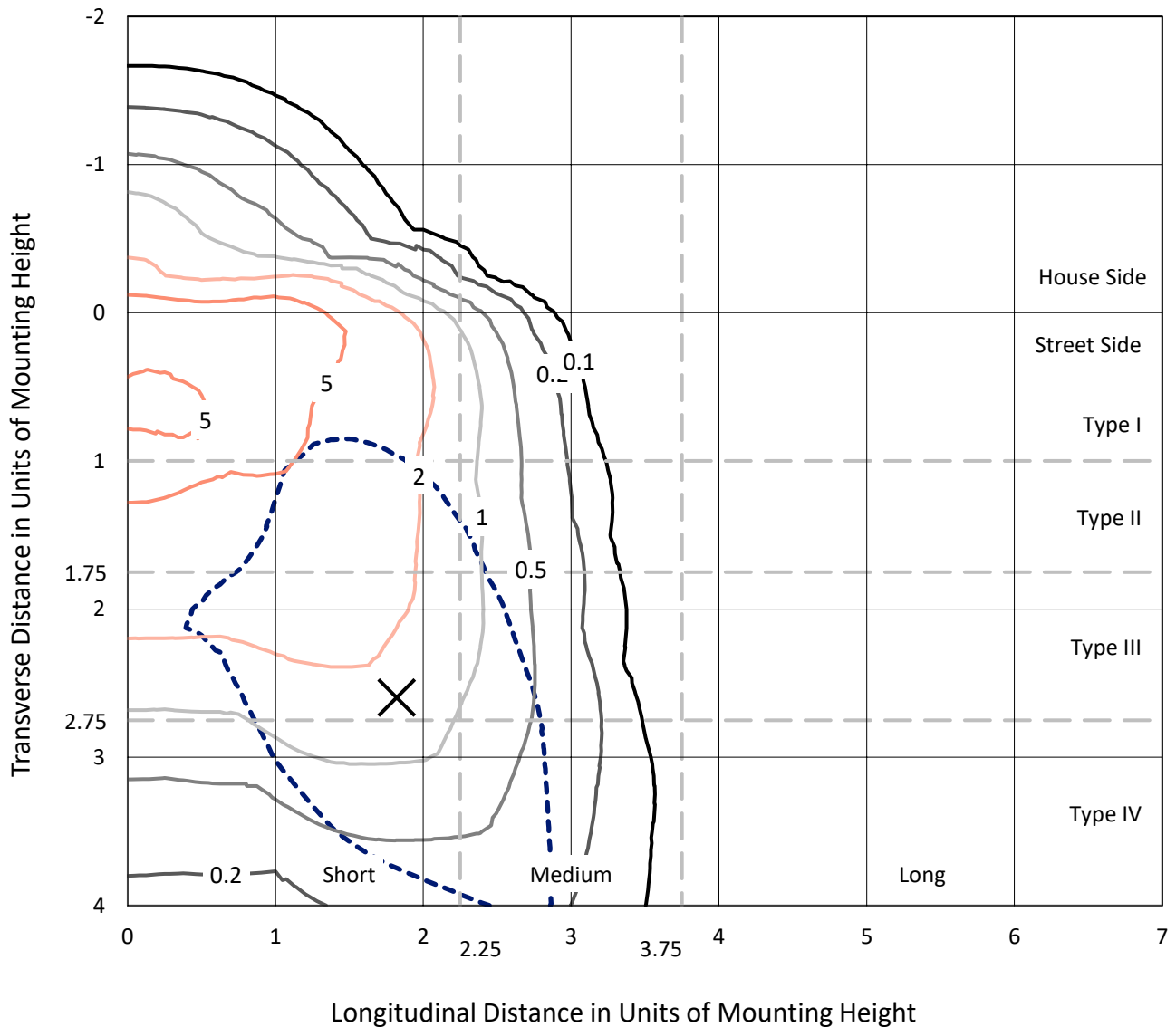
Input Watts (W): 512.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

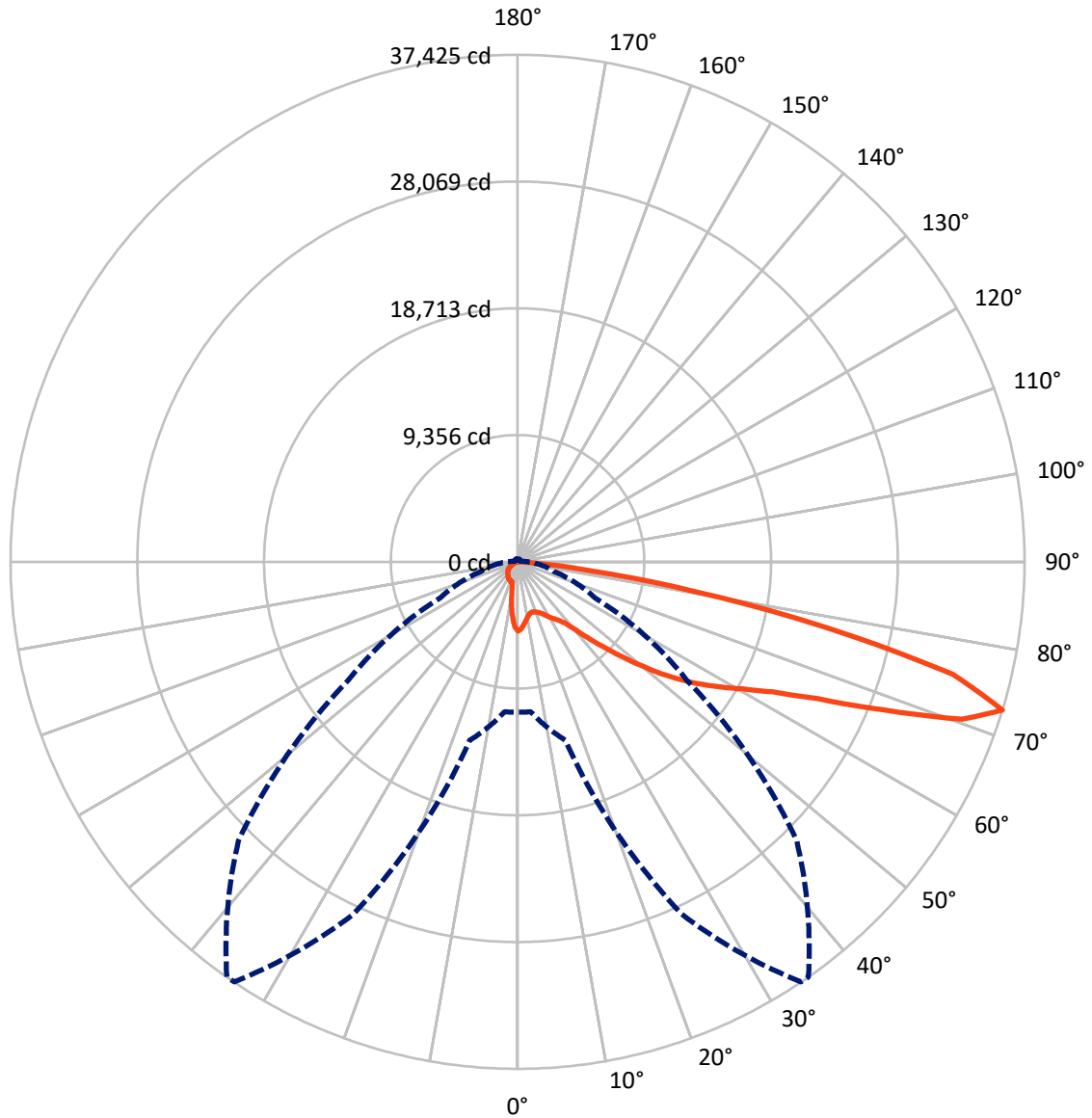
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.2 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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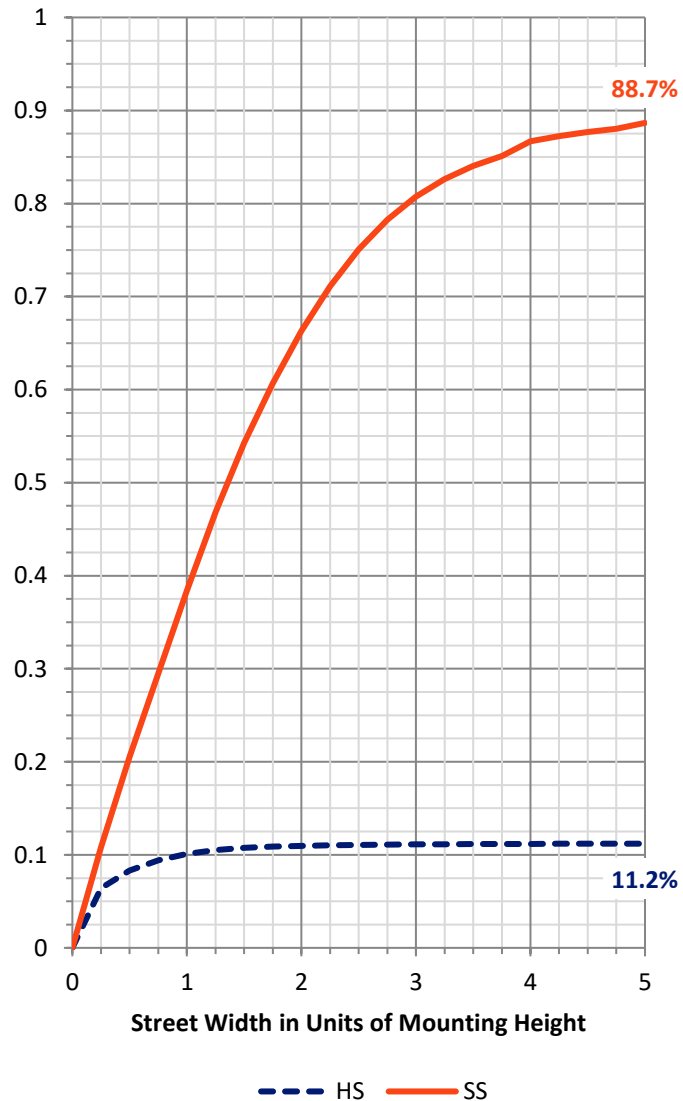
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3971.3	0.0	3971.3
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	31314.7	0.0	31314.7
	% Fixture	88.7	0.0	88.7
Total	Lumens	35286.0	0.0	35286.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	420.2	1.2
10°-20°	983.1	2.8
20°-30°	1597.0	4.5
30°-40°	2664.6	7.6
40°-50°	5041.6	14.3
50°-60°	8011.0	22.7
60°-70°	9910.2	28.1
70°-80°	6160.3	17.5
80°-90°	497.9	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°	35286.0	100.0
0°-180°	35286.0	100.0

Coefficient of Utilization



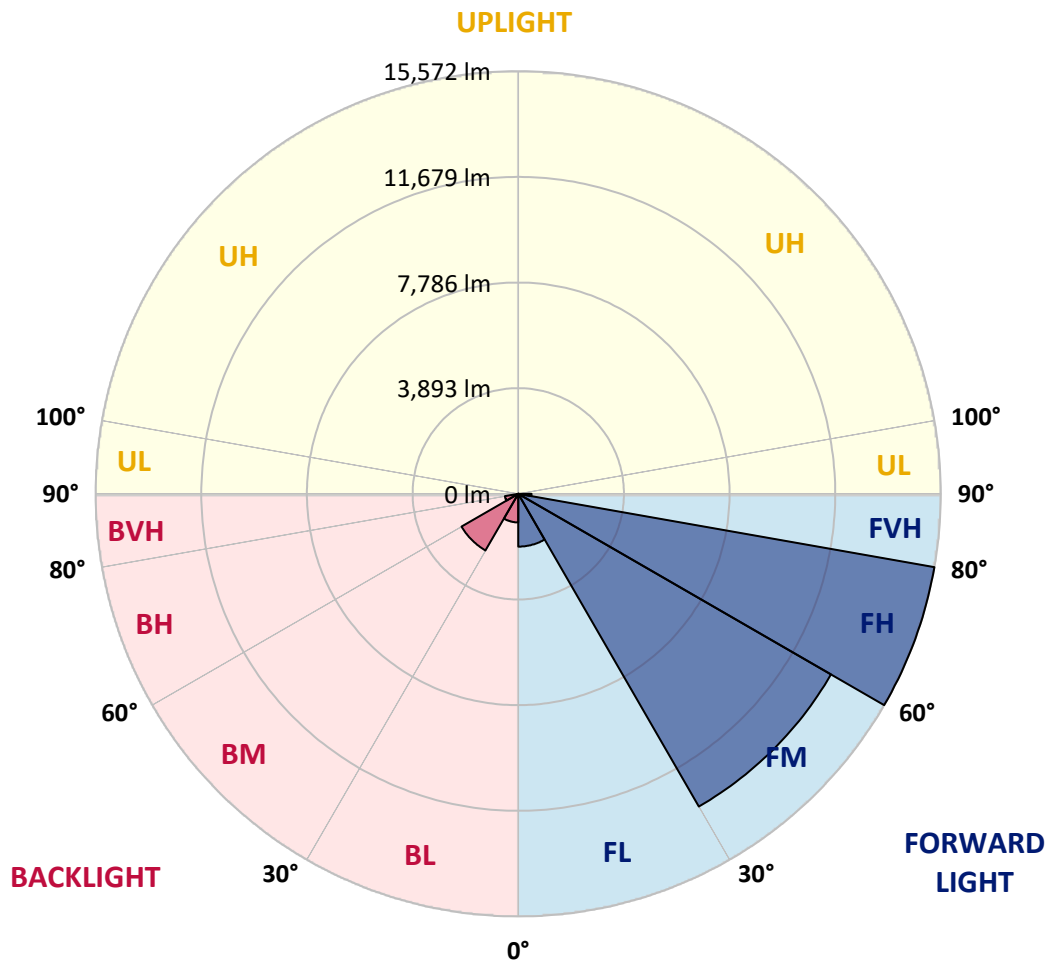
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1945.2	5.5			
FM	(30°-60°)	13306.3	37.7			
FH	(60°-80°)	15572.1	44.1			G5
FVH	(80°-90°)	491.1	1.4			G3/500
BL	(0°-30°)	1055.2	3.0	B3/2500		
BM	(30°-60°)	2410.9	6.8	B2/2500		
BH	(60°-80°)	498.3	1.4	B1/500		G1/500
BVH	(80°-90°)	6.8	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°	5114.1	5114.1	5114.1	5114.1	5114.1	5114.1	5114.1	5114.1	5114.1	5114.1
2.5°	4886.6	4928.0	4935.7	4948.7	4948.7	4964.2	4990.0	5026.2	5085.7	5116.7
5°	4503.9	4535.0	4573.8	4604.8	4664.2	4672.0	4772.8	4871.1	5008.1	5111.5
7.5°	4118.7	4154.9	4206.6	4281.6	4359.2	4382.4	4535.0	4700.4	4917.6	5111.5
10°	3847.2	3849.8	3896.4	3971.3	4095.4	4123.9	4310.0	4545.3	4816.8	5080.5
12.5°	3694.7	3712.8	3733.5	3790.3	3909.3	3927.4	4126.5	4403.1	4716.0	5062.4
15°	3694.7	3707.6	3720.5	3749.0	3844.6	3860.2	4036.0	4312.6	4664.2	5070.2
17.5°	3733.5	3754.2	3743.8	3777.4	3878.3	3888.6	4043.7	4286.8	4661.7	5119.3
20°	3826.5	3842.1	3821.4	3842.1	3942.9	3963.6	4123.9	4335.9	4705.6	5204.6
22.5°	3973.9	3981.7	3932.5	3948.1	4051.5	4077.3	4263.5	4475.5	4811.6	5341.6
25°	4160.1	4175.6	4100.6	4118.7	4217.0	4248.0	4462.6	4684.9	4979.7	5530.4
27.5°	4374.7	4382.4	4317.8	4315.2	4441.9	4485.8	4703.0	4943.5	5204.6	5768.3
30°	4620.3	4643.6	4581.5	4571.2	4731.5	4767.7	4982.3	5261.5	5535.6	6125.1
32.5°	4814.2	4832.3	4796.1	4822.0	4984.8	5013.3	5321.0	5711.4	6055.2	6631.8
35°	5093.4	5103.8	5021.0	5067.6	5253.7	5326.1	5783.8	6342.2	6709.4	7267.8
37.5°	6104.4	6104.4	5752.7	5522.6	5701.0	5765.7	6417.2	7136.0	7516.1	8121.1
40°	7503.1	7479.9	6965.3	6494.8	6471.5	6598.2	7319.6	8136.6	8558.0	9144.9
42.5°	8995.0	8958.8	8258.1	7792.7	7715.1	7759.1	8361.5	9369.9	9799.1	10393.7
45°	10318.7	10308.4	9667.2	9041.5	8901.9	9041.5	9662.0	10812.6	11120.2	11745.9
47.5°	11427.9	11427.9	10959.9	10551.4	10479.0	10561.8	11422.8	12413.0	12384.6	13186.1
50°	12705.2	12694.8	12250.1	12074.3	12149.3	12265.6	13449.8	14098.7	13692.8	14600.3
52.5°	13599.7	13661.8	13509.3	13480.8	13863.5	14065.1	15507.8	15748.3	14864.1	15942.2
55°	14308.2	14380.6	14556.4	14755.5	15492.3	15756.1	17501.3	17312.5	15844.0	17105.7
57.5°	15311.3	15207.9	15479.4	15872.4	17064.3	17382.3	19432.6	18788.8	16632.5	18049.4
60°	16529.1	16544.6	16591.2	17087.6	18633.7	19042.2	21335.6	20185.0	17139.3	18628.5
62.5°	17992.5	18015.8	18111.4	18874.2	20740.9	21126.1	23362.6	21327.8	17372.0	18465.7
65°	17891.7	17989.9	19057.7	21666.5	23944.3	24324.4	25728.3	22129.3	17020.4	16976.4
67.5°	16299.0	16459.3	18245.9	25001.8	28774.1	29198.1	28587.9	22287.0	15502.7	13201.6
70°	14209.9	14266.8	16415.4	28001.0	34366.5	34795.7	31147.6	20552.2	11764.0	7363.5
72.5°	11097.0	11109.9	13630.8	28696.5	37401.9	37425.2	29138.6	15257.1	6326.7	2828.5
75°	7927.2	7849.6	9129.4	23272.1	32905.7	33169.4	21844.9	7156.7	2417.4	1336.7
77.5°	4250.6	4335.9	5165.8	13801.4	22731.7	23181.6	11919.2	2063.2	1230.7	910.1
80°	1313.4	1385.8	2117.5	6319.0	12875.8	13147.3	4418.6	917.9	858.4	649.0
82.5°	413.7	429.2	987.7	2655.3	5344.2	5468.3	1279.8	519.7	586.9	429.2
85°	118.9	121.5	439.5	990.2	1321.2	1347.0	359.4	201.7	336.1	266.3
87.5°	12.9	41.4	165.5	165.5	116.3	113.8	38.8	44.0	95.7	33.6
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°
5114.1	0°	5114.1	5114.1	5114.1	5114.1	5114.1	5114.1	5114.1	5114.1	5114.1	5114.1
5137.4	2.5°	5124.5	5127.1	5093.4	5036.6	4974.5	4922.8	4858.2	4806.4	4770.3	4759.9
5183.9	5°	5160.7	5142.6	5046.9	4873.7	4666.8	4488.4	4289.3	4131.6	4028.2	3984.3
5233.1	7.5°	5215.0	5163.2	4953.8	4612.5	4217.0	3865.3	3508.5	3231.9	3056.1	2968.2
5279.6	10°	5261.5	5158.1	4798.7	4235.1	3630.0	3097.4	2616.5	2283.0	2096.8	2008.9
5333.9	12.5°	5305.5	5155.5	4597.0	3787.8	2968.2	2316.6	1869.3	1703.8	1652.1	1634.0
5421.8	15°	5388.2	5163.2	4343.6	3275.8	2308.9	1750.4	1587.5	1584.9	1595.3	1590.1
5556.2	17.5°	5501.9	5171.0	4056.7	2732.9	1781.4	1543.5	1535.8	1559.1	1574.6	1566.8
5724.3	20°	5649.3	5202.0	3751.6	2195.1	1530.6	1491.8	1509.9	1530.6	1543.5	1530.6
5949.2	22.5°	5856.2	5256.3	3418.0	1763.3	1450.5	1460.8	1476.3	1499.6	1512.5	1494.4
6236.2	25°	6109.5	5341.6	3089.7	1533.2	1411.7	1424.6	1447.9	1473.7	1489.2	1471.2
6598.2	27.5°	6437.9	5478.7	2787.2	1481.5	1372.9	1380.7	1414.3	1453.1	1473.7	1450.5
7112.7	30°	6913.6	5703.6	2526.0	1504.8	1349.6	1331.5	1378.1	1432.4	1455.6	1435.0
7813.4	32.5°	7544.5	6021.6	2365.7	1541.0	1339.3	1274.7	1318.6	1388.4	1427.2	1414.3
8728.7	35°	8371.9	6505.1	2303.7	1582.3	1331.5	1215.2	1246.2	1321.2	1388.4	1401.3
9881.8	37.5°	9375.0	7177.4	2321.8	1600.4	1308.3	1166.1	1181.6	1246.2	1334.1	1375.5
11179.7	40°	10515.2	7960.8	2425.2	1582.3	1282.4	1124.7	1127.3	1176.4	1254.0	1316.0
12575.9	42.5°	11691.6	8876.0	2616.5	1515.1	1259.1	1088.5	1080.7	1114.4	1166.1	1210.0
13969.5	45°	12811.2	9817.2	2805.3	1422.0	1230.7	1052.3	1034.2	1047.1	1057.5	1075.6
15326.9	47.5°	13788.5	10479.0	2751.0	1336.7	1191.9	1010.9	979.9	974.7	943.7	941.1
16539.5	50°	14463.3	10623.8	2443.3	1251.4	1135.0	964.4	915.3	884.2	829.9	804.1
17447.0	52.5°	14677.9	10052.4	1996.0	1166.1	1042.0	902.3	832.5	783.4	716.2	692.9
17969.2	55°	14393.5	8932.9	1595.3	1062.6	912.7	819.6	742.0	677.4	623.1	594.7
18026.1	57.5°	13698.0	7508.3	1261.7	941.1	775.7	726.5	649.0	584.3	537.8	509.3
17395.3	60°	12544.9	5962.2	998.0	796.3	661.9	625.7	545.5	504.2	462.8	429.2
15766.4	62.5°	10794.5	4255.7	783.4	630.9	553.3	511.9	465.4	434.4	385.2	338.7
12837.0	65°	8423.6	2603.6	605.0	462.8	444.7	424.0	395.6	367.1	307.7	261.1
8374.4	67.5°	5313.2	1233.3	431.8	349.0	351.6	341.3	328.4	305.1	261.1	219.8
3751.6	70°	2339.9	597.3	284.4	266.3	261.1	261.1	271.5	263.7	222.4	183.6
1303.1	72.5°	796.3	320.6	212.0	201.7	188.7	186.2	227.5	219.8	178.4	142.2
649.0	75°	416.3	214.6	155.1	144.8	113.8	137.0	181.0	170.6	126.7	93.1
429.2	77.5°	271.5	152.5	106.0	93.1	64.6	90.5	134.4	118.9	75.0	46.5
281.8	80°	170.6	100.8	62.1	44.0	31.0	49.1	72.4	51.7	28.4	10.3
165.5	82.5°	90.5	51.7	23.3	15.5	12.9	15.5	18.1	12.9	5.2	0.0
85.3	85°	36.2	18.1	7.8	5.2	2.6	0.0	5.2	2.6	0.0	0.0
15.5	87.5°	12.9	2.6	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

180°
5114.1
4778.0
3999.8
2981.1
2011.5
1628.9
1587.5
1564.2
1528.0
1491.8
1468.6
1450.5
1432.4
1414.3
1401.3
1385.8
1336.7
1228.1
1085.9
938.5
806.7
690.3
594.7
504.2
421.4
330.9
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