

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: P853092

Luminaire Tested: **GLAN-SB8C-927-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853092
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-SB8C-927-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 2700K, 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: 29527 lumens
Efficiency: N/A
Efficacy: 73.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G5

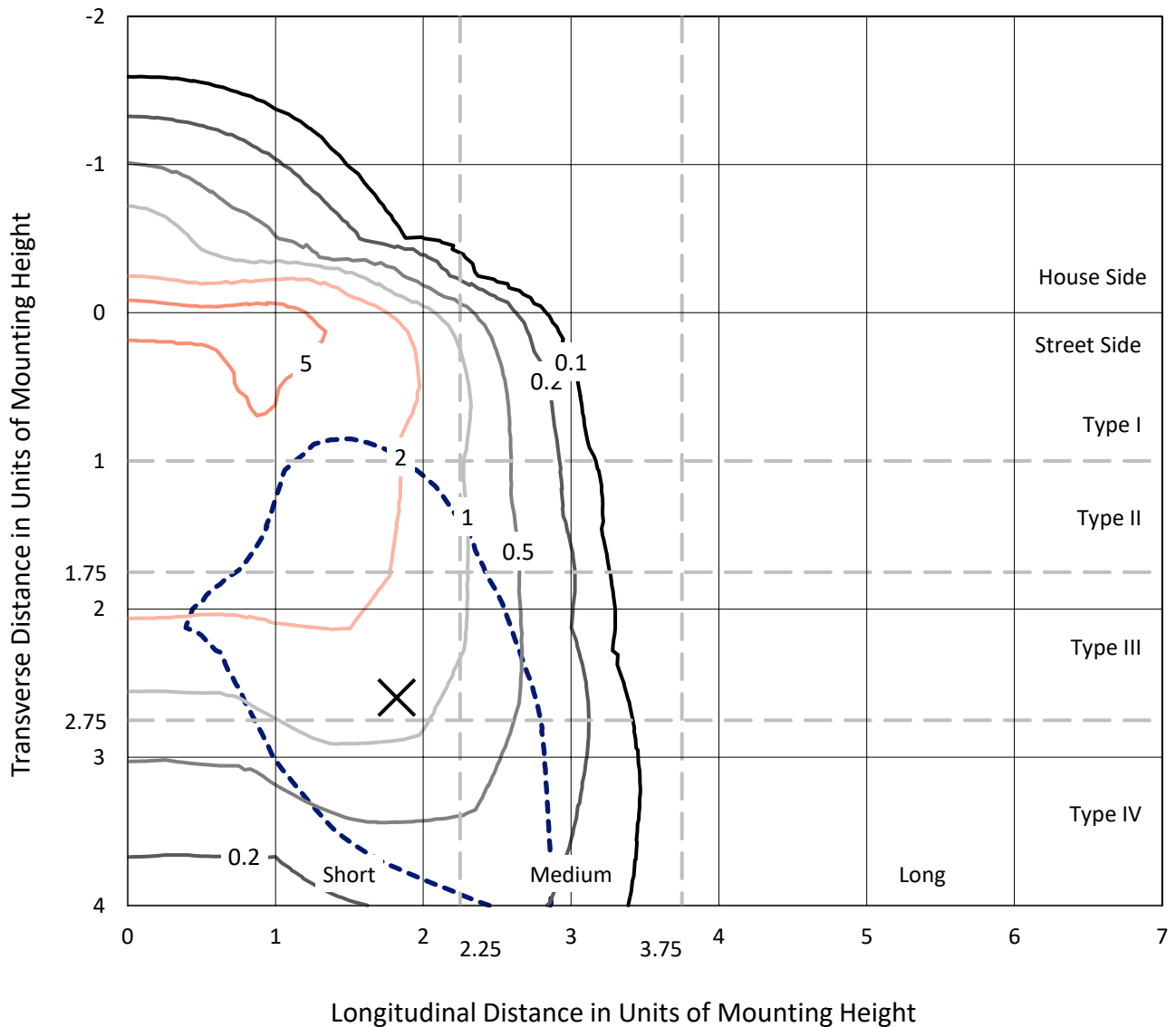
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

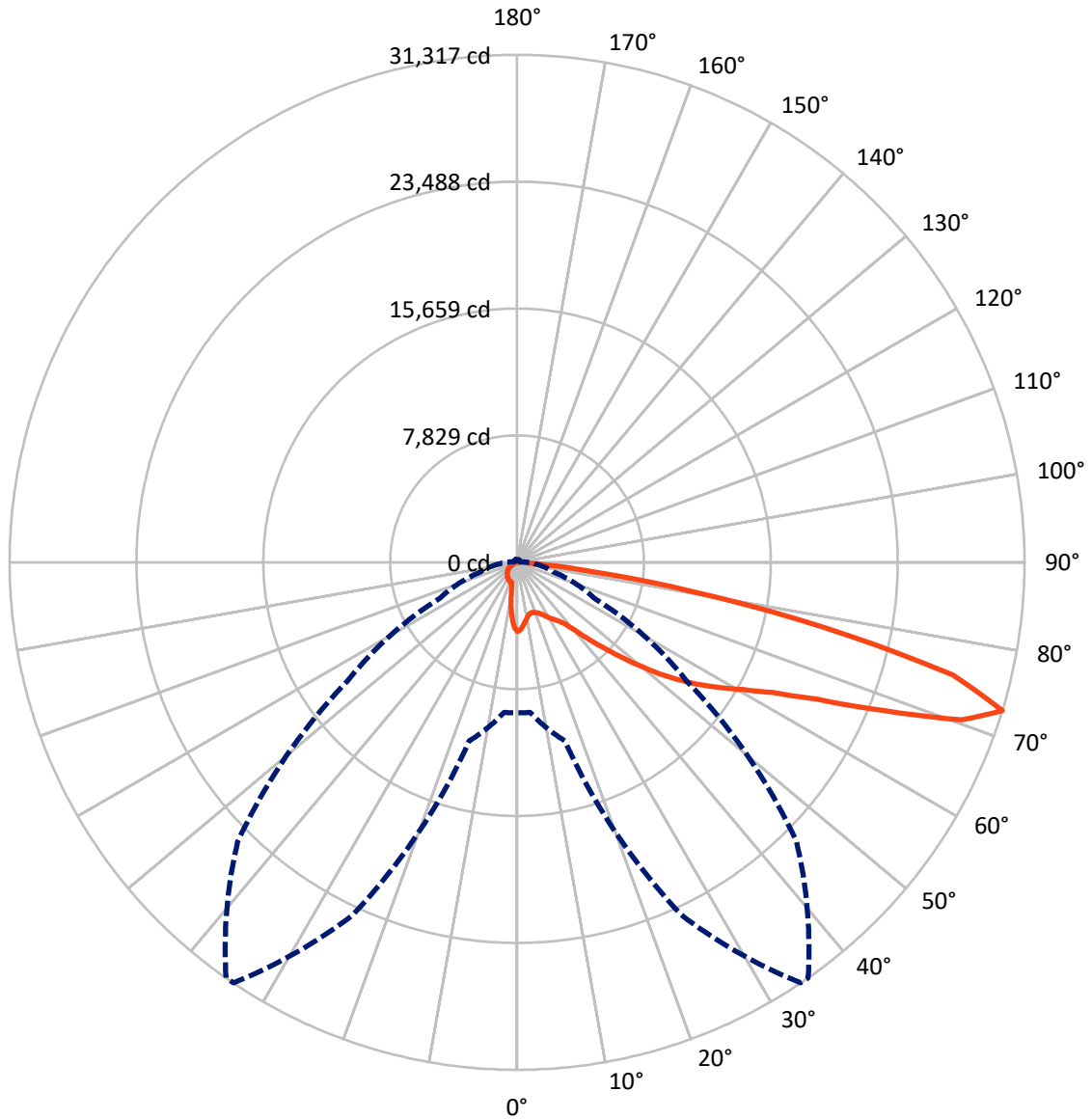
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.8 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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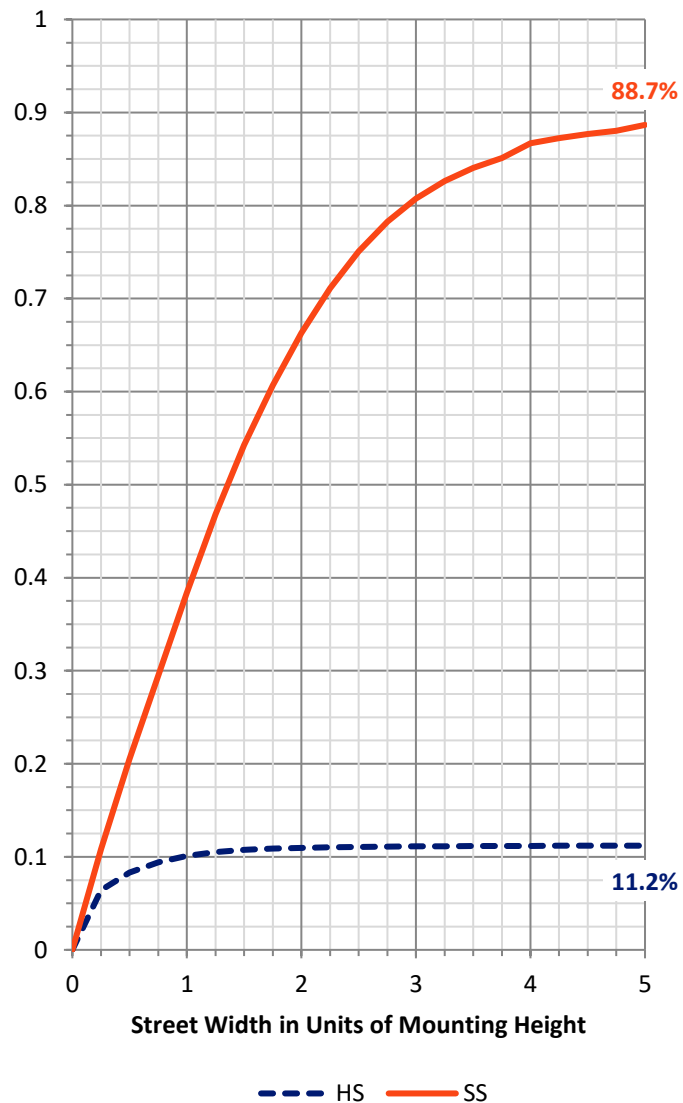
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3323.1	0.0	3323.1
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	26203.9	0.0	26203.9
	% Fixture	88.7	0.0	88.7
Total	Lumens	29527.0	0.0	29527.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	351.7	1.2
10°-20°	822.7	2.8
20°-30°	1336.4	4.5
30°-40°	2229.7	7.6
40°-50°	4218.8	14.3
50°-60°	6703.6	22.7
60°-70°	8292.8	28.1
70°-80°	5154.8	17.5
80°-90°	416.6	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°	29527.0	100.0
0°-180°	29527.0	100.0

Coefficient of Utilization

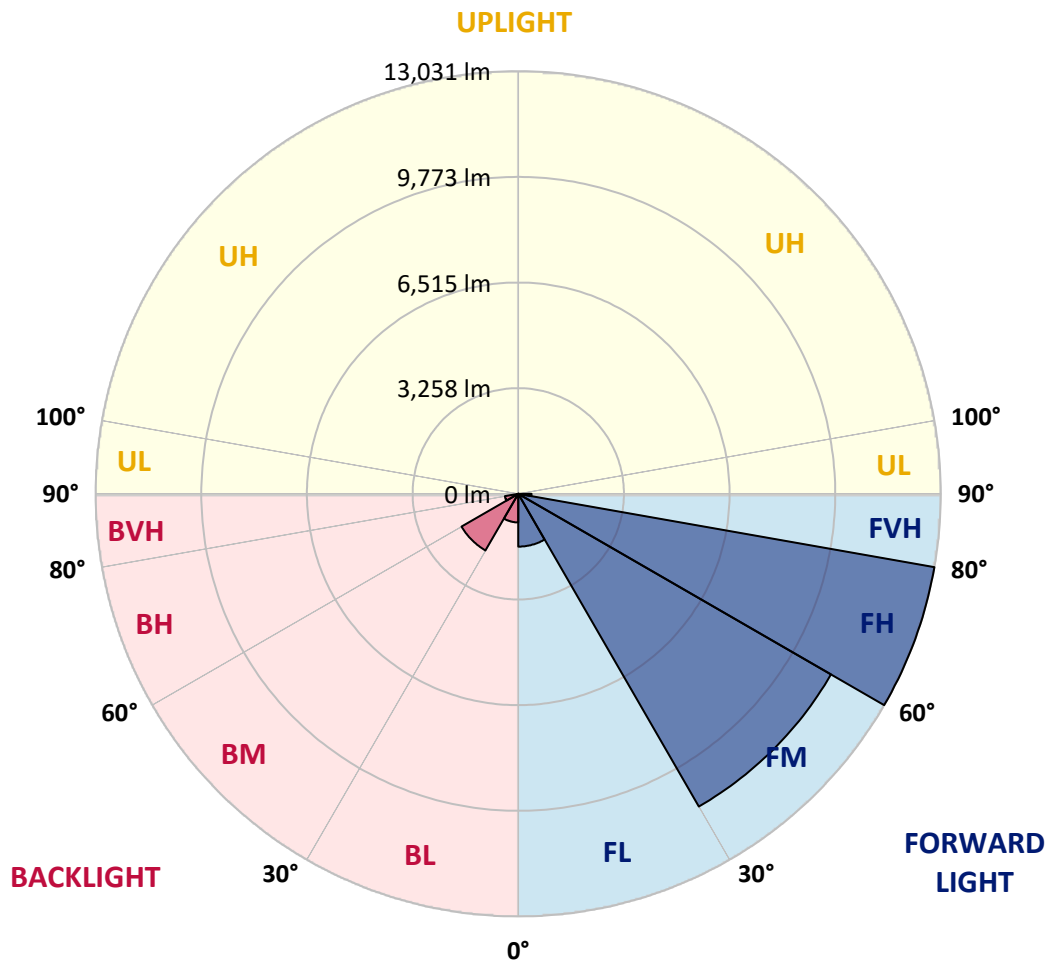


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1627.7	5.5			
FM	(30°-60°)	11134.6	37.7			
FH	(60°-80°)	13030.6	44.1			G5
FVH	(80°-90°)	410.9	1.4			G3/500
BL	(0°-30°)	883.0	3.0	B2/1000		
BM	(30°-60°)	2017.4	6.8	B2/2500		
BH	(60°-80°)	417.0	1.4	B1/500		G1/500
BVH	(80°-90°)	5.7	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G5
 Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	4279.5	4279.5	4279.5	4279.5	4279.5	4279.5	4279.5	4279.5	4279.5	4279.5
2.5°	4089.1	4123.7	4130.2	4141.0	4141.0	4154.0	4175.6	4205.9	4255.7	4281.6
5°	3768.9	3794.8	3827.3	3853.2	3903.0	3909.5	3993.9	4076.1	4190.7	4277.3
7.5°	3446.5	3476.8	3520.1	3582.8	3647.7	3667.2	3794.8	3933.3	4115.0	4277.3
10°	3219.3	3221.5	3260.4	3323.2	3427.0	3450.8	3606.6	3803.5	4030.6	4251.3
12.5°	3091.7	3106.8	3124.1	3171.7	3271.2	3286.4	3453.0	3684.5	3946.3	4236.2
15°	3091.7	3102.5	3113.3	3137.1	3217.2	3230.1	3377.3	3608.8	3903.0	4242.7
17.5°	3124.1	3141.4	3132.8	3160.9	3245.3	3253.9	3383.8	3587.1	3900.8	4283.8
20°	3202.0	3215.0	3197.7	3215.0	3299.4	3316.7	3450.8	3628.2	3937.6	4355.2
22.5°	3325.3	3331.8	3290.7	3303.7	3390.2	3411.9	3567.7	3745.1	4026.3	4469.8
25°	3481.1	3494.1	3431.4	3446.5	3528.7	3554.7	3734.2	3920.3	4166.9	4627.8
27.5°	3660.7	3667.2	3613.1	3610.9	3716.9	3753.7	3935.5	4136.7	4355.2	4826.8
30°	3866.2	3885.7	3833.8	3825.1	3959.3	3989.5	4169.1	4402.8	4632.1	5125.4
32.5°	4028.5	4043.6	4013.3	4035.0	4171.3	4195.1	4452.5	4779.2	5067.0	5549.4
35°	4262.1	4270.8	4201.6	4240.5	4396.3	4456.9	4839.8	5307.1	5614.3	6081.7
37.5°	5108.1	5108.1	4813.8	4621.3	4770.6	4824.7	5369.9	5971.3	6289.4	6795.6
40°	6278.5	6259.1	5828.5	5434.8	5415.3	5521.3	6124.9	6808.6	7161.3	7652.4
42.5°	7526.9	7496.6	6910.3	6520.9	6456.0	6492.7	6996.8	7840.6	8199.8	8697.4
45°	8634.6	8626.0	8089.4	7565.8	7449.0	7565.8	8085.1	9047.9	9305.3	9828.9
47.5°	9562.8	9562.8	9171.2	8829.3	8768.8	8838.0	9558.5	10387.1	10363.3	11034.0
50°	10631.6	10622.9	10250.8	10103.7	10166.4	10263.8	11254.7	11797.7	11458.0	12217.4
52.5°	11380.1	11432.1	11304.4	11280.6	11600.8	11769.6	12976.8	13178.0	12438.1	13340.3
55°	11972.9	12033.5	12180.6	12347.2	12963.8	13184.5	14644.9	14487.0	13258.1	14313.9
57.5°	12812.4	12725.9	12953.0	13281.9	14279.3	14545.4	16261.1	15722.3	13918.0	15103.6
60°	13831.4	13844.4	13883.3	14298.7	15592.5	15934.4	17853.4	16890.6	14342.0	15588.2
62.5°	15056.0	15075.4	15155.5	15793.7	17355.8	17678.2	19549.6	17846.9	14536.7	15451.9
65°	14971.6	15053.8	15947.3	18130.3	20036.4	20354.4	21529.2	18517.6	14242.5	14205.7
67.5°	13638.9	13773.0	15268.0	20921.3	24077.9	24432.7	23922.1	18649.6	12972.5	11047.0
70°	11890.7	11938.3	13736.2	23431.0	28757.6	29116.7	26064.0	17197.9	9844.0	6161.7
72.5°	9285.8	9296.7	11406.1	24013.0	31297.6	31317.0	24382.9	12767.0	5294.1	2366.9
75°	6633.4	6568.5	7639.4	19473.9	27535.2	27755.9	18279.6	5988.6	2022.9	1118.5
77.5°	3556.8	3628.2	4322.7	11548.9	19021.7	19398.2	9973.8	1726.5	1029.8	761.6
80°	1099.1	1159.6	1771.9	5287.7	10774.4	11001.5	3697.5	768.1	718.3	543.0
82.5°	346.2	359.1	826.5	2221.9	4472.0	4575.9	1070.9	434.9	491.1	359.1
85°	99.5	101.7	367.8	828.6	1105.6	1127.2	300.7	168.8	281.3	222.8
87.5°	10.8	34.6	138.5	138.5	97.4	95.2	32.5	36.8	80.1	28.1
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°
4279.5	0°	4279.5	4279.5	4279.5	4279.5	4279.5	4279.5	4279.5	4279.5	4279.5	4279.5
4298.9	2.5°	4288.1	4290.3	4262.1	4214.5	4162.6	4119.4	4065.3	4022.0	3991.7	3983.0
4337.9	5°	4318.4	4303.3	4223.2	4078.2	3905.2	3755.9	3589.3	3457.3	3370.8	3334.0
4379.0	7.5°	4363.8	4320.6	4145.3	3859.7	3528.7	3234.5	2935.9	2704.4	2557.3	2483.7
4417.9	10°	4402.8	4316.2	4015.5	3543.9	3037.6	2591.9	2189.5	1910.4	1754.6	1681.1
4463.4	12.5°	4439.6	4314.1	3846.7	3169.6	2483.7	1938.5	1564.2	1425.8	1382.5	1367.3
4536.9	15°	4508.8	4320.6	3634.7	2741.2	1932.0	1464.7	1328.4	1326.2	1334.9	1330.6
4649.4	17.5°	4604.0	4327.0	3394.6	2286.8	1490.7	1291.6	1285.1	1304.6	1317.6	1311.1
4790.0	20°	4727.3	4353.0	3139.3	1836.8	1280.8	1248.4	1263.5	1280.8	1291.6	1280.8
4978.3	22.5°	4900.4	4398.4	2860.2	1475.5	1213.7	1222.4	1235.4	1254.8	1265.7	1250.5
5218.4	25°	5112.4	4469.8	2585.4	1283.0	1181.3	1192.1	1211.6	1233.2	1246.2	1231.0
5521.3	27.5°	5387.2	4584.5	2332.3	1239.7	1148.8	1155.3	1183.4	1215.9	1233.2	1213.7
5951.9	30°	5785.3	4772.7	2113.8	1259.2	1129.4	1114.2	1153.2	1198.6	1218.1	1200.8
6538.2	32.5°	6313.2	5038.8	1979.6	1289.5	1120.7	1066.6	1103.4	1161.8	1194.3	1183.4
7304.1	35°	7005.5	5443.4	1927.7	1324.1	1114.2	1016.9	1042.8	1105.6	1161.8	1172.6
8269.0	37.5°	7844.9	6005.9	1942.8	1339.2	1094.7	975.7	988.7	1042.8	1116.4	1151.0
9355.1	40°	8799.1	6661.5	2029.4	1324.1	1073.1	941.1	943.3	984.4	1049.3	1101.2
10523.4	42.5°	9783.5	7427.4	2189.5	1267.8	1053.6	910.8	904.4	932.5	975.7	1012.5
11689.5	45°	10720.3	8214.9	2347.4	1189.9	1029.8	880.6	865.4	876.2	884.9	900.0
12825.4	47.5°	11538.1	8768.8	2302.0	1118.5	997.4	845.9	820.0	815.6	789.7	787.5
13840.1	50°	12102.8	8889.9	2044.5	1047.1	949.8	807.0	765.9	739.9	694.5	672.9
14599.5	52.5°	12282.3	8411.8	1670.2	975.7	871.9	755.1	696.7	655.5	599.3	579.8
15036.5	55°	12044.3	7475.0	1334.9	889.2	763.7	685.8	620.9	566.8	521.4	497.6
15084.1	57.5°	11462.4	6282.9	1055.8	787.5	649.1	608.0	543.0	489.0	450.0	426.2
14556.2	60°	10497.4	4989.1	835.1	666.4	553.9	523.6	456.5	421.9	387.3	359.1
13193.2	62.5°	9032.7	3561.2	655.5	527.9	463.0	428.4	389.4	363.5	322.4	283.4
10741.9	65°	7048.8	2178.7	506.3	387.3	372.1	354.8	331.0	307.2	257.5	218.5
7007.7	67.5°	4446.0	1032.0	361.3	292.1	294.2	285.6	274.8	255.3	218.5	183.9
3139.3	70°	1958.0	499.8	238.0	222.8	218.5	218.5	227.2	220.7	186.1	153.6
1090.4	72.5°	666.4	268.3	177.4	168.8	157.9	155.8	190.4	183.9	149.3	119.0
543.0	75°	348.3	179.6	129.8	121.2	95.2	114.7	151.4	142.8	106.0	77.9
359.1	77.5°	227.2	127.6	88.7	77.9	54.1	75.7	112.5	99.5	62.7	38.9
235.8	80°	142.8	84.4	51.9	36.8	26.0	41.1	60.6	43.3	23.8	8.7
138.5	82.5°	75.7	43.3	19.5	13.0	10.8	13.0	15.1	10.8	4.3	0.0
71.4	85°	30.3	15.1	6.5	4.3	2.2	0.0	4.3	2.2	0.0	0.0
13.0	87.5°	10.8	2.2	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°
4279.5
3998.2
3347.0
2494.5
1683.2
1363.0
1328.4
1308.9
1278.6
1248.4
1228.9
1213.7
1198.6
1183.4
1172.6
1159.6
1118.5
1027.7
908.7
785.4
675.0
577.7
497.6
421.9
352.7
276.9
212.0
179.6
147.1
112.5
71.4
34.6
6.5
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