

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: P850978

Luminaire Tested: **GLAN-SB8D-727-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850978
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB8D-727-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 73226 lumens
Efficiency: N/A
Efficacy: 125.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

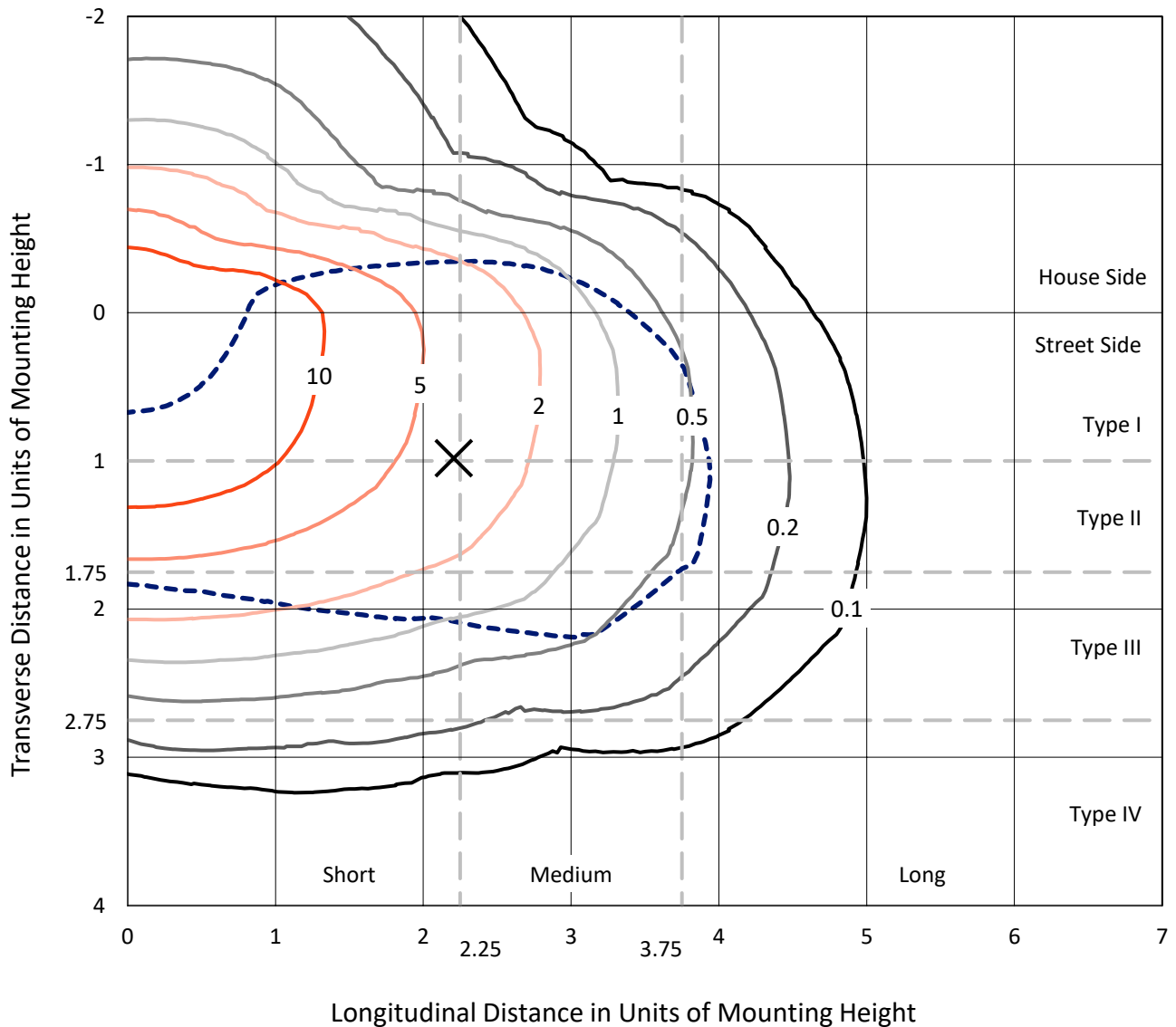
Input Watts (W): 584.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

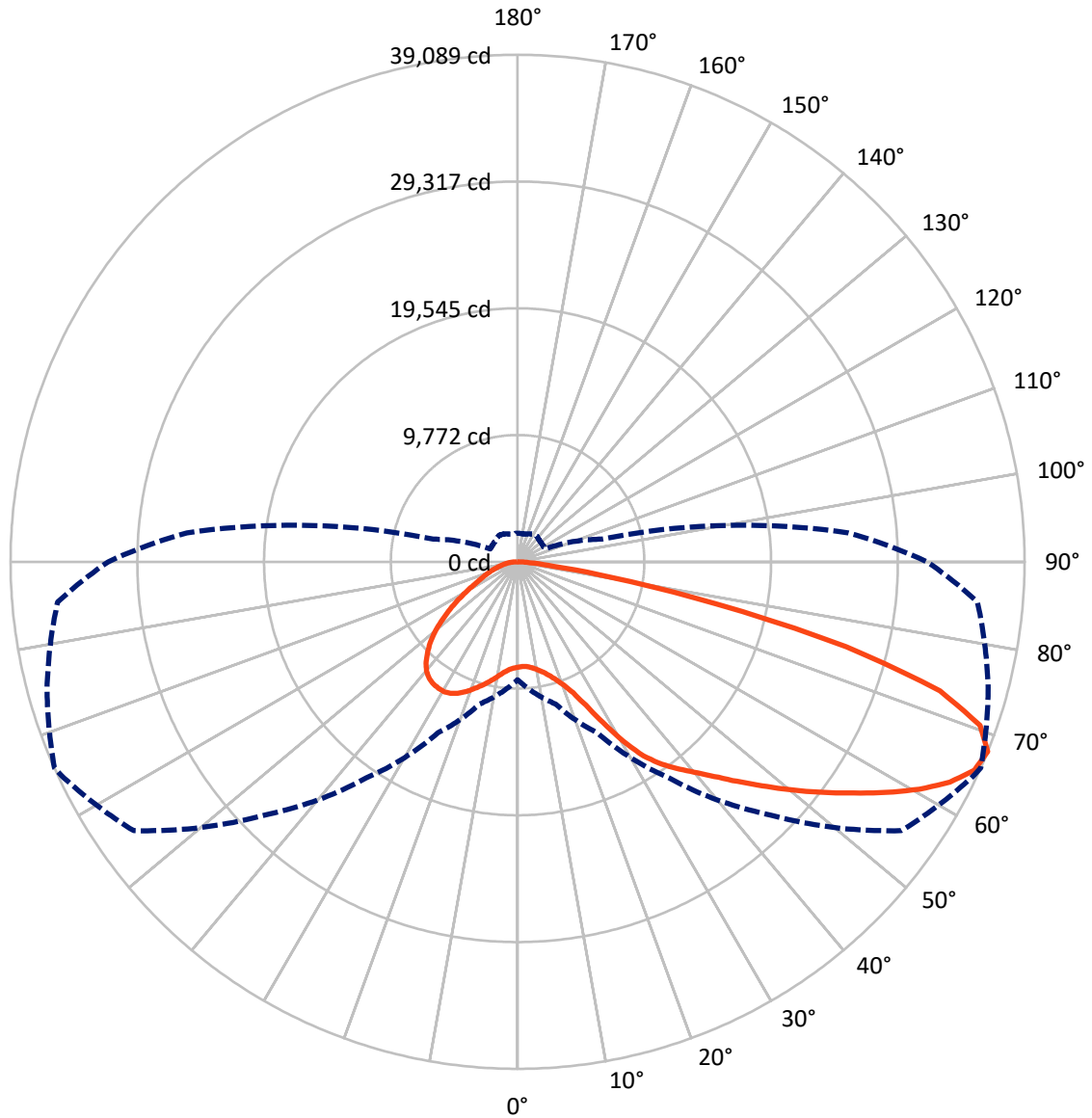
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.4 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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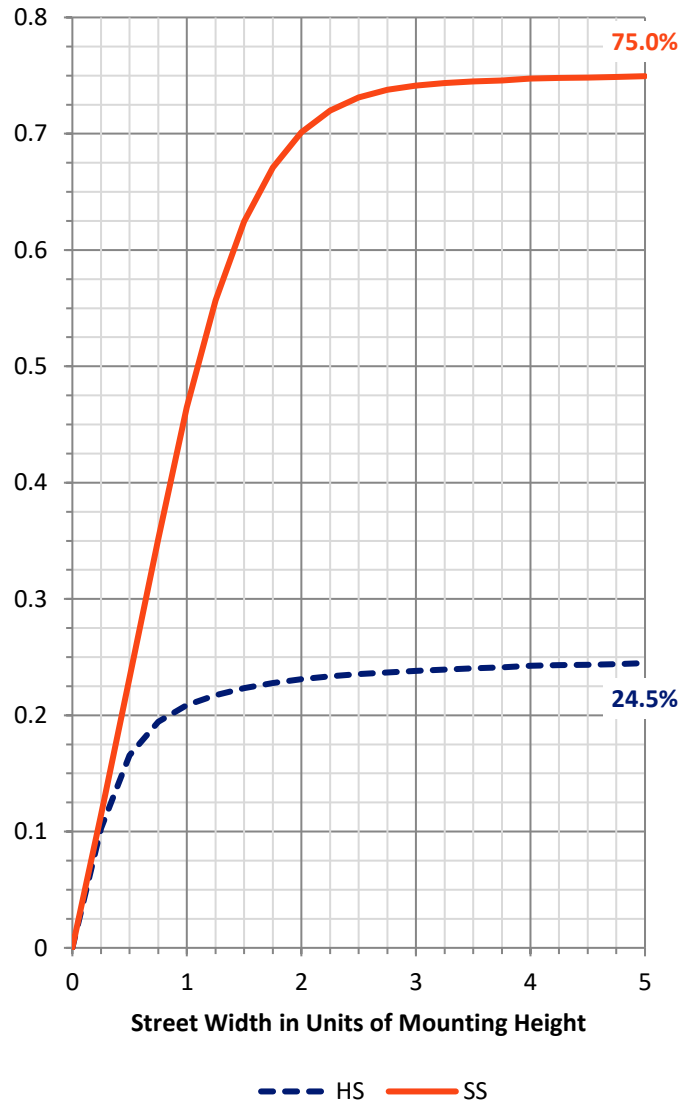
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18207.4	0.0	18207.4
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	55018.6	0.0	55018.6
	% Fixture	75.1	0.0	75.1
Total	Lumens	73226.0	0.0	73226.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	805.2	1.1
10°-20°	2660.4	3.6
20°-30°	5127.8	7.0
30°-40°	8990.9	12.3
40°-50°	13366.5	18.3
50°-60°	16943.3	23.1
60°-70°	16578.6	22.6
70°-80°	7908.2	10.8
80°-90°	845.2	1.2
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°	73226.0	100.0
0°-180°	73226.0	100.0

Coefficient of Utilization

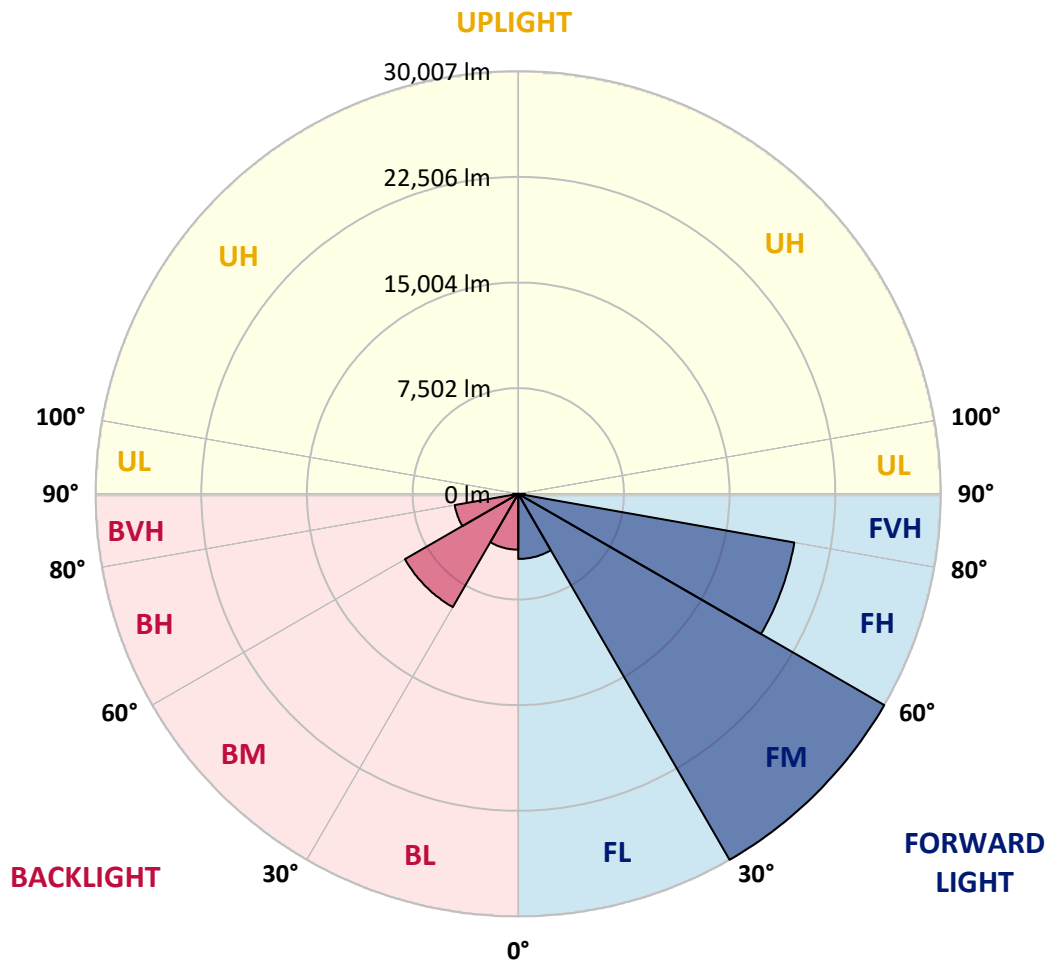


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4627.2	6.3			
FM (30°-60°)	30007.4	41.0			
FH (60°-80°)	19904.8	27.2			G5
FVH (80°-90°)	479.2	0.7			G3/500
BL (0°-30°)	3966.2	5.4	B4/5000		
BM (30°-60°)	9293.3	12.7	B5		
BH (60°-80°)	4581.9	6.3	B4/5000		G4/5000
BVH (80°-90°)	366.0	0.5			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5
 Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	8121.7	8121.7	8121.7	8121.7	8121.7	8121.7	8121.7	8121.7	8121.7	8121.7
2.5°	8037.1	8083.3	8071.7	8052.5	8048.6	8056.3	8067.9	8079.4	8075.6	8094.8
5°	8014.0	8060.2	8056.3	8056.3	8071.7	8102.5	8121.7	8141.0	8121.7	8144.8
7.5°	8029.4	8064.0	8079.4	8094.8	8133.3	8191.0	8237.2	8279.5	8256.4	8283.3
10°	8225.6	8252.5	8267.9	8267.9	8294.9	8360.3	8406.4	8483.4	8464.1	8506.5
12.5°	8583.4	8610.3	8610.3	8595.0	8614.2	8656.5	8671.9	8756.5	8721.9	8791.2
15°	9022.0	9075.9	9033.6	9006.6	9014.3	9056.6	9052.8	9118.2	9083.6	9141.3
17.5°	9506.8	9576.0	9506.8	9502.9	9487.5	9533.7	9537.6	9595.3	9533.7	9576.0
20°	10080.0	10176.2	10118.5	10137.7	10103.1	10122.3	10141.6	10226.2	10130.0	10160.8
22.5°	10888.0	11003.4	10941.8	11014.9	10991.8	10976.5	10972.6	11122.7	10972.6	10984.2
25°	12065.3	12203.8	12096.0	12196.1	12196.1	12246.1	12303.8	12496.2	12246.1	12173.0
27.5°	13804.2	13942.8	13731.2	13792.7	13773.5	13896.6	13835.0	14312.1	14042.8	13923.5
30°	15897.2	16143.4	15743.3	15727.9	15708.7	15904.9	15993.4	16308.9	16035.7	15916.4
32.5°	18159.4	18417.2	17940.1	17801.6	17728.5	17847.8	17774.7	18028.6	17840.1	17655.4
35°	20552.5	20806.4	20352.4	20083.1	19790.7	19540.6	19279.0	19344.4	19167.4	18886.6
37.5°	22814.7	23280.2	22799.3	22510.8	21972.1	21483.5	20752.5	20448.6	20283.2	20025.4
40°	25119.3	25384.7	25019.2	24773.0	24188.2	23422.6	22253.0	21610.5	21387.4	21137.3
42.5°	26815.9	27069.9	26873.7	26704.4	26246.5	25357.8	23845.8	23041.7	22718.5	22437.7
45°	28162.5	28351.0	28227.9	28289.5	28093.3	27231.5	25496.3	24576.8	24242.1	23899.7
47.5°	28705.0	28905.1	29101.3	29466.8	29801.5	29166.7	27269.9	26238.8	25884.9	25534.8
50°	28643.4	28847.3	29416.7	30193.9	31232.7	31021.1	29139.7	28008.6	27681.6	27281.5
52.5°	28151.0	28381.8	29112.8	30405.5	32059.9	32410.0	31044.2	29836.1	29528.3	29051.3
55°	26858.3	26996.8	28093.3	29924.6	32256.1	33379.5	32910.1	31782.9	31475.1	30809.5
57.5°	24461.4	24661.4	26258.1	28628.0	31763.6	34037.4	34549.1	33829.6	33533.4	32575.4
60°	21333.5	21652.8	23480.3	26450.5	30509.4	34033.6	36038.0	35841.8	35595.6	34314.4
62.5°	17793.9	18163.3	19921.5	23372.6	28316.4	33067.9	36969.1	37526.9	37400.0	35918.8
65°	13665.7	13919.7	15670.2	19390.6	24903.8	30994.2	37076.8	38677.3	38700.4	37138.4
67.5°	9099.0	9829.9	11349.6	14550.6	20333.2	27604.7	36130.4	38865.8	39089.0	37557.7
70°	4439.8	5401.7	6890.6	9456.8	14550.6	22406.9	33656.5	37319.2	37815.5	36334.3
72.5°	1842.9	2154.5	2966.3	4666.8	8352.6	15120.0	28685.8	33125.6	34045.1	32194.5
75°	1242.7	1346.6	1696.7	2393.0	3805.0	7456.1	20687.1	24699.9	26181.1	24315.2
77.5°	958.0	1023.4	1235.0	1673.6	2262.2	2820.1	11072.6	14885.4	15651.0	14489.1
80°	754.1	804.1	923.4	1219.6	1604.3	1508.2	3774.2	6744.4	7186.8	6028.8
82.5°	654.0	673.3	661.7	827.2	1065.7	881.0	1238.8	2489.2	2747.0	1992.9
85°	473.2	527.1	550.2	511.7	565.6	446.3	507.8	881.0	969.5	865.7
87.5°	192.4	284.7	350.1	330.9	207.8	127.0	157.7	257.8	296.2	323.2
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°
8121.7	0°	8121.7	8121.7	8121.7	8121.7	8121.7	8121.7	8121.7	8121.7	8121.7	8121.7
8125.6	2.5°	8129.4	8156.4	8175.6	8198.7	8214.1	8237.2	8283.3	8310.3	8314.1	8333.3
8187.1	5°	8202.5	8241.0	8283.3	8344.9	8414.1	8471.8	8560.3	8621.9	8645.0	8664.2
8337.2	7.5°	8360.3	8414.1	8491.1	8598.8	8698.8	8775.8	8883.5	8956.6	9029.7	9056.6
8575.7	10°	8595.0	8671.9	8783.5	8929.7	9037.4	9137.4	9249.0	9310.6	9383.7	9414.4
8860.4	12.5°	8887.4	8968.1	9114.3	9318.3	9418.3	9487.5	9526.0	9510.6	9526.0	9552.9
9202.8	15°	9222.1	9310.6	9476.0	9695.3	9764.5	9703.0	9618.3	9541.4	9529.9	9537.6
9618.3	17.5°	9618.3	9683.8	9876.1	10060.8	10010.8	9756.8	9572.2	9449.1	9387.5	9368.3
10149.3	20°	10172.4	10172.4	10330.1	10445.5	10110.8	9679.9	9391.4	9191.3	9064.3	9010.5
10872.6	22.5°	10845.6	10784.1	10884.1	10803.3	10091.6	9464.5	9064.3	8718.1	8525.7	8448.8
11884.4	25°	11699.8	11626.7	11599.7	11099.6	9953.1	9122.0	8471.8	8052.5	7883.2	7840.9
13342.6	27.5°	12988.6	12803.9	12453.8	11261.2	9699.1	8583.4	7779.3	7390.7	7294.6	7298.4
15216.2	30°	14704.5	14335.2	13477.2	11288.1	9283.6	7821.6	7071.4	6794.4	6748.2	6767.5
16789.8	32.5°	16293.5	15943.4	14523.7	11165.0	8645.0	7075.3	6436.6	6251.9	6182.7	6205.8
17990.2	35°	17540.0	17443.8	15493.2	10991.8	7860.1	6375.0	5867.2	5709.5	5574.8	5544.0
19121.3	37.5°	18717.3	18678.8	16220.4	10749.5	7082.9	5878.7	5409.4	5201.6	5005.4	4897.7
20371.7	40°	20010.0	19971.5	16697.4	10376.3	6394.3	5447.8	4997.7	4724.5	4482.1	4285.9
21787.5	42.5°	21464.3	21237.3	16924.4	9841.5	5809.5	5082.3	4663.0	4293.6	3974.3	3793.5
23388.0	45°	23053.3	22541.6	16920.6	9160.5	5317.0	4747.6	4305.2	3781.9	3485.7	3316.4
25030.8	47.5°	24738.4	23788.1	16712.8	8406.4	4840.0	4378.3	3751.2	3351.0	3154.8	3050.9
26815.9	50°	26477.4	24953.8	16358.9	7540.8	4351.3	3958.9	3404.9	3131.7	2981.7	2885.5
28585.7	52.5°	28112.5	26011.9	15931.8	6559.7	3855.0	3551.1	3251.0	3039.4	2881.7	2773.9
30301.6	55°	29632.2	26923.7	15327.8	5555.6	3451.1	3277.9	3177.9	3000.9	2820.1	2693.1
32044.5	57.5°	30982.6	27516.2	14285.2	4613.0	3162.5	3089.4	3101.0	2935.5	2727.8	2620.0
33760.4	60°	32106.0	27950.9	12742.4	3739.6	2927.8	2904.7	2981.7	2812.4	2570.0	2446.9
35210.8	62.5°	32779.3	27943.2	10849.5	3062.5	2727.8	2735.5	2823.9	2658.5	2412.3	2296.9
35968.8	65°	32721.6	27258.4	8771.9	2620.0	2535.4	2543.1	2658.5	2489.2	2281.5	2212.2
35587.9	67.5°	31563.6	25588.6	6729.0	2331.5	2323.8	2358.4	2493.1	2373.8	2200.7	2193.0
33317.9	70°	28428.0	22122.2	4847.6	2100.6	2104.5	2154.5	2331.5	2300.7	2158.4	2173.7
28012.5	72.5°	22795.5	16866.7	3254.8	1858.3	1862.1	1942.9	2177.6	2243.0	2116.0	2319.9
19875.3	75°	15181.6	10518.6	2093.0	1600.5	1604.3	1708.2	2042.9	2131.4	2000.6	2312.3
10341.6	77.5°	7294.6	4728.4	1515.9	1346.6	1346.6	1442.8	1765.9	1908.3	1704.4	1796.7
3324.1	80°	2520.0	1777.5	1192.7	1084.9	1061.9	1127.3	1488.9	1654.4	1469.7	1354.3
1084.9	82.5°	992.6	923.4	958.0	842.6	765.6	807.9	1158.0	1365.8	1081.1	977.2
611.7	85°	569.4	600.2	677.1	557.9	442.4	496.3	850.3	981.1	815.6	719.5
200.1	87.5°	153.9	211.6	311.6	288.6	200.1	211.6	404.0	542.5	469.4	361.6
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°
8121.7
8329.5
8660.4
9060.5
9429.8
9560.6
9564.5
9395.2
8998.9
8437.2
7848.6
7309.9
6832.9
6236.5
5567.1
4901.5
4305.2
3805.0
3308.7
3027.9
2850.9
2727.8
2643.1
2550.8
2393.0
2262.2
2208.4
2204.5
2169.9
2350.7
2331.5
1646.7
1269.6
973.4
734.8
373.2
0.0

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