

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: P851765

Luminaire Tested: **GLAN-SB9D-927-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851765
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-SB9D-927-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 2700K, 900mA 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: 43586 lumens
Efficiency: N/A
Efficacy: 66.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

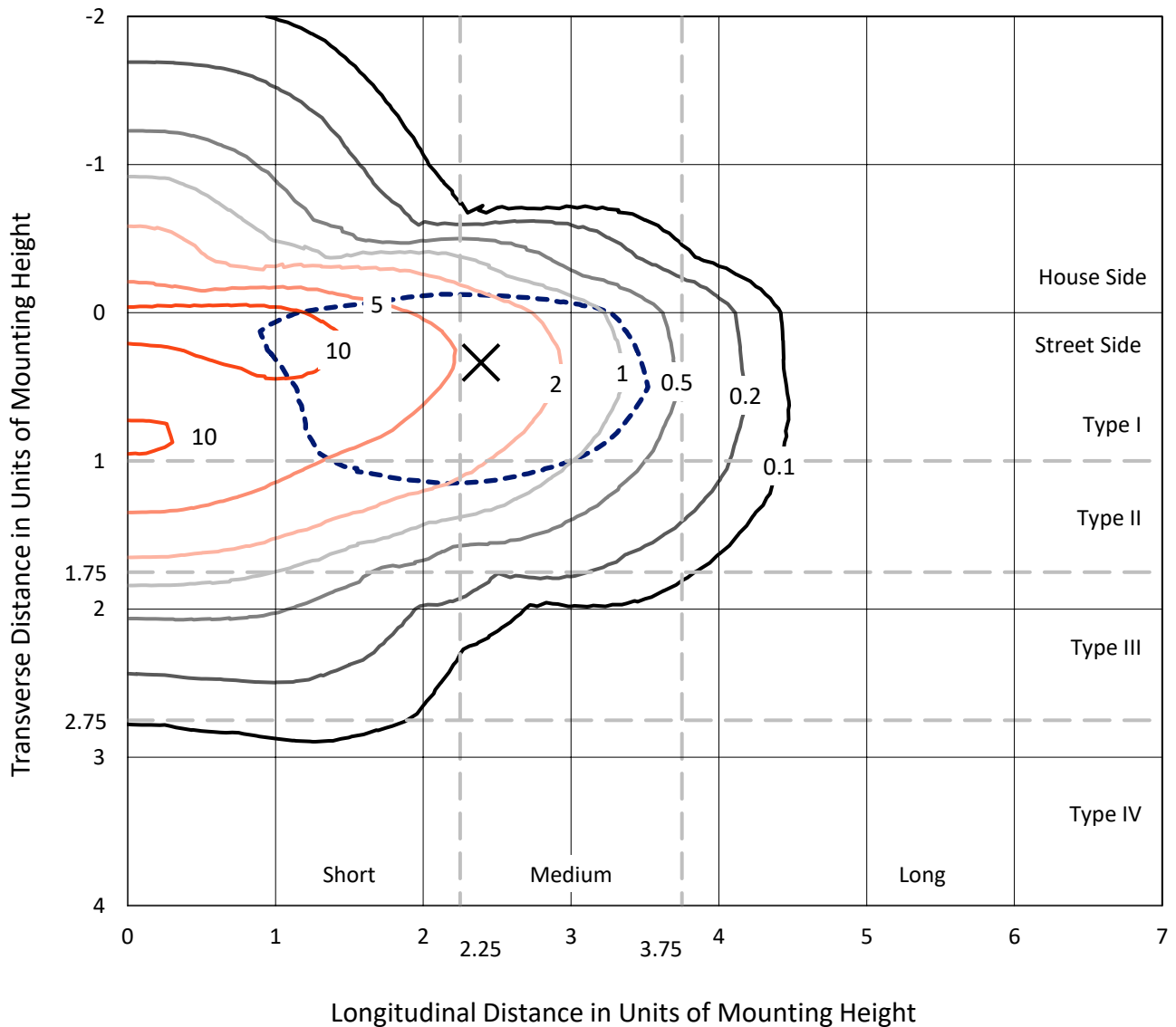
Input Watts (W): 658
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

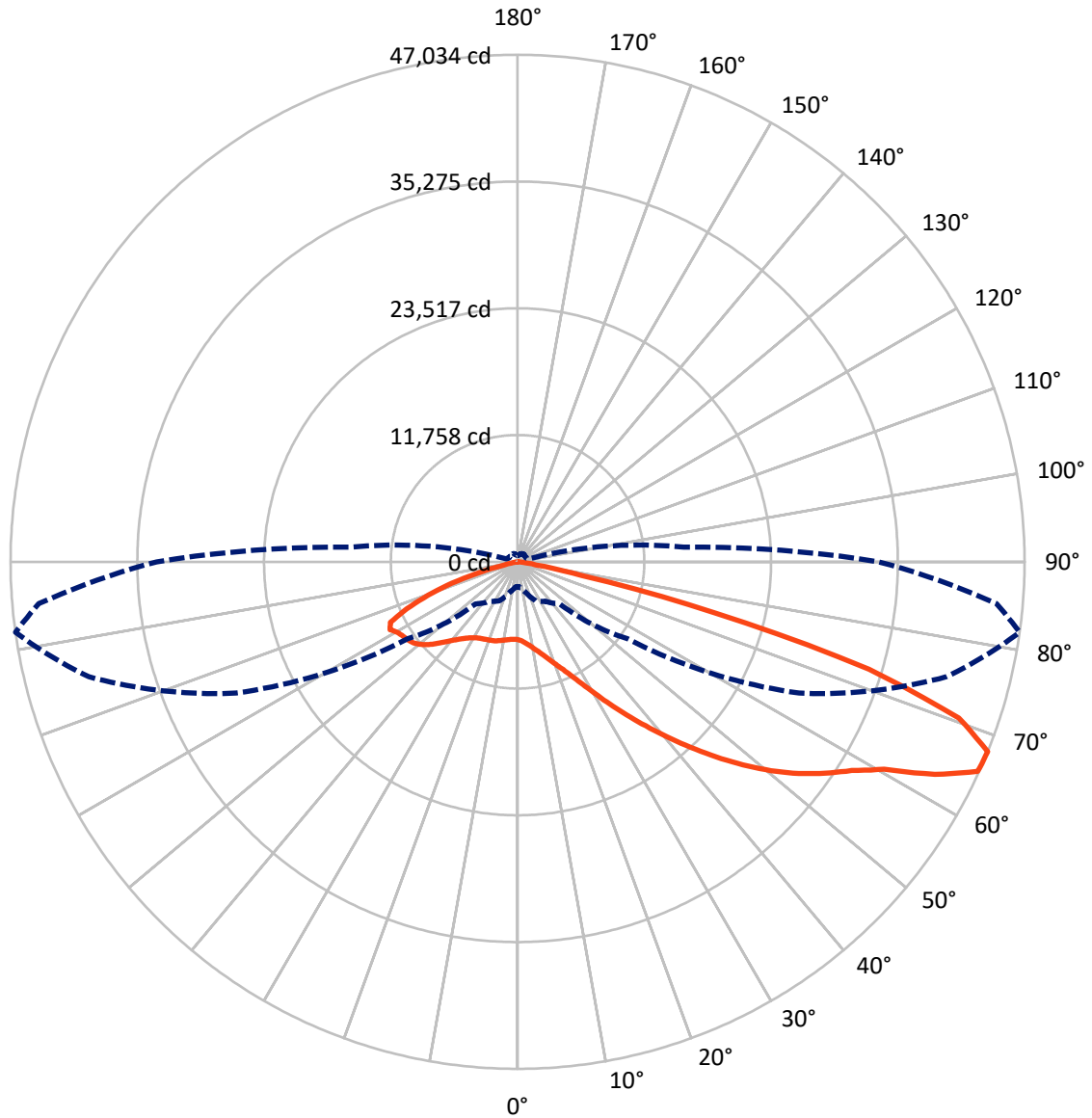
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.3 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	7895.2	0.0	7895.2
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	35690.8	0.0	35690.8
	% Fixture	81.9	0.0	81.9
Total	Lumens	43586.0	0.0	43586.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	643.3	1.5
10°-20°	1671.7	3.8
20°-30°	2677.5	6.1
30°-40°	4734.7	10.9
40°-50°	8295.7	19.0
50°-60°	11064.1	25.4
60°-70°	10300.1	23.6
70°-80°	3953.2	9.1
80°-90°	245.5	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°	43586.0	100.0
0°-180°	43586.0	100.0

Coefficient of Utilization

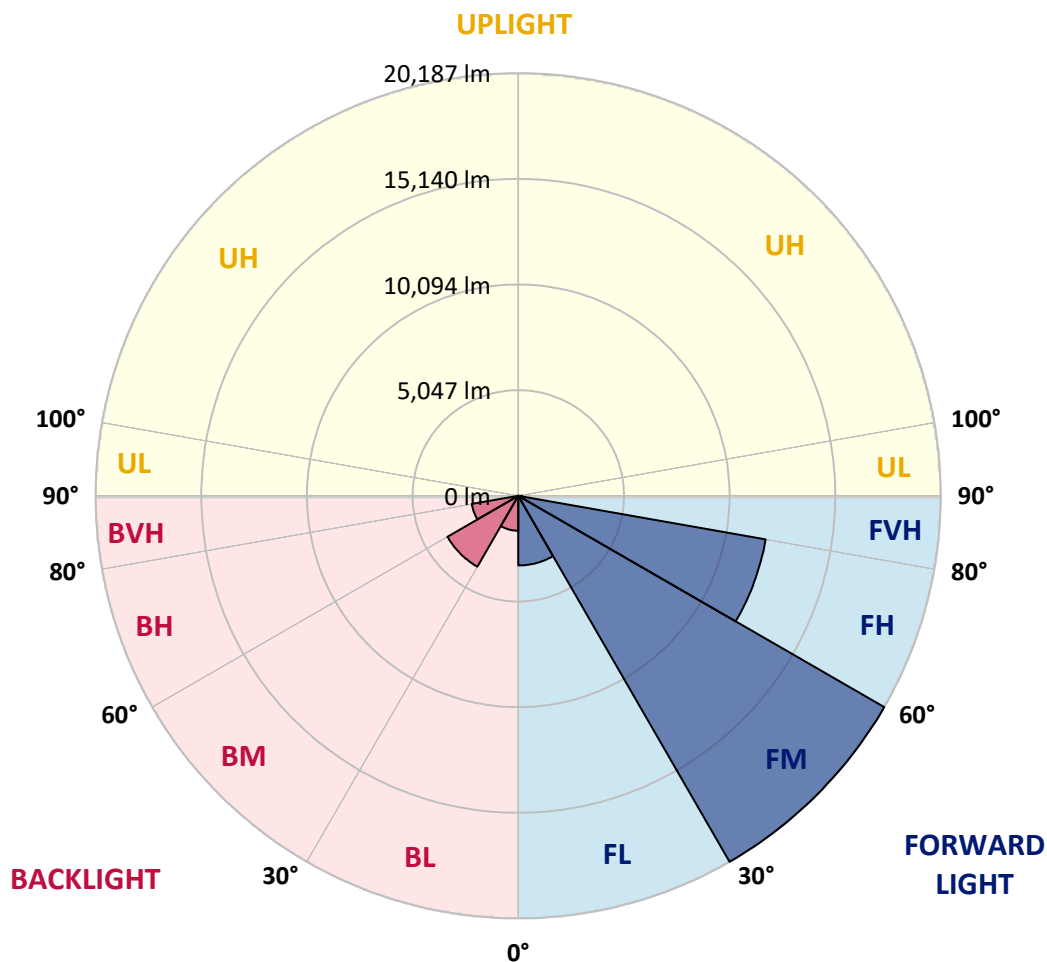


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3325.1	7.6			
FM (30°-60°)	20187.3	46.3			
FH (60°-80°)	11999.9	27.5			G4/12000
FVH (80°-90°)	178.5	0.4			G2/225
BL (0°-30°)	1667.5	3.8	B3/2500		
BM (30°-60°)	3907.3	9.0	B3/5000		
BH (60°-80°)	2253.4	5.2	B3/2500		G3/2500
BVH (80°-90°)	67.0	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-G4
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	7220.7	7220.7	7220.7	7220.7	7220.7	7220.7	7220.7	7220.7	7220.7	7220.7
2.5°	7631.8	7675.7	7650.6	7638.1	7616.1	7584.7	7559.6	7481.2	7399.6	7346.2
5°	7785.6	7829.5	7826.4	7838.9	7854.6	7864.0	7857.8	7769.9	7653.8	7562.8
7.5°	7653.8	7704.0	7744.8	7807.5	7917.4	8033.5	8090.0	8071.1	7951.9	7826.4
10°	7280.3	7333.7	7431.0	7578.5	7810.7	8061.7	8272.0	8369.3	8293.9	8155.9
12.5°	6596.2	6649.6	6841.0	7161.1	7550.2	7986.4	8388.1	8648.6	8667.4	8529.3
15°	5827.4	5880.8	6084.7	6486.4	7079.5	7779.3	8450.9	8943.5	9109.9	8990.6
17.5°	5350.4	5397.5	5551.3	5874.5	6492.7	7365.1	8428.9	9257.3	9637.0	9542.9
20°	5206.1	5246.9	5319.0	5545.0	6059.6	6935.2	8284.5	9552.3	10205.0	10151.7
22.5°	5359.8	5397.5	5419.5	5519.9	5843.1	6652.7	8102.5	9853.6	10864.0	10870.3
25°	5714.4	5752.1	5727.0	5789.8	5931.0	6564.9	8033.5	10208.2	11692.5	11761.5
27.5°	6298.1	6301.3	6241.6	6238.5	6260.5	6696.7	8105.7	10587.9	12737.5	12866.1
30°	7468.6	7421.6	7192.5	6944.6	6831.6	7092.1	8306.5	11036.6	13970.7	14199.8
32.5°	9273.0	9204.0	8783.5	8190.4	7594.2	7729.1	8667.4	11548.1	15313.8	15728.1
35°	11231.2	11212.4	10773.0	9891.2	8849.4	8636.0	9254.2	12219.7	16779.3	17438.3
37.5°	13051.3	13041.9	12790.8	11752.1	10484.3	9900.6	10195.6	13098.4	18348.4	19302.3
40°	14714.5	14742.7	14491.7	13562.8	12285.6	11523.0	11476.0	14184.1	20093.1	21332.7
42.5°	16151.7	16183.1	15928.9	15241.7	14064.9	13318.0	13048.1	15514.7	21797.1	23513.6
45°	17127.6	17322.2	17284.6	16735.4	15891.2	15116.1	14937.3	17184.1	23739.6	25826.4
47.5°	17403.8	17582.7	17865.1	17940.4	17425.8	16663.2	16876.6	19195.6	25704.0	28142.3
50°	16722.8	16889.2	17476.0	18257.4	18615.1	18379.7	18762.6	21351.5	27715.5	30451.9
52.5°	15379.7	15549.2	16289.8	17526.2	18985.4	19726.0	20654.9	23476.0	29664.3	32639.2
55°	13437.3	13616.1	14567.0	15966.6	18279.3	20281.4	22233.3	25597.3	31449.9	34606.8
57.5°	10795.0	10926.8	11915.3	13873.5	16503.2	19729.1	23397.5	27913.2	33131.9	36539.8
60°	7035.6	7151.7	8300.2	10484.3	13559.6	17883.9	23629.8	30495.9	35366.2	39053.4
62.5°	4678.9	4757.3	5438.3	7041.9	9549.2	14341.0	22271.0	32557.6	38642.3	43427.9
65°	3210.3	3288.7	3969.7	5086.8	6169.5	9486.4	18364.1	32284.6	41611.0	46901.8
67.5°	2290.8	2356.7	2934.1	3988.5	4465.5	5510.5	12448.8	28795.0	41184.2	47033.6
70°	1641.2	1678.9	2155.9	3106.7	3549.2	3310.7	6922.6	22023.1	36059.7	43431.0
72.5°	1148.5	1161.1	1496.9	2366.1	2858.8	2416.3	3295.0	14683.1	27273.1	34089.0
75°	778.2	793.9	1007.3	1735.4	2293.9	1845.2	1744.8	7873.4	16010.5	18869.3
77.5°	477.0	483.3	649.6	1186.2	1716.5	1405.9	1123.4	3335.8	6194.6	6081.6
80°	269.9	269.9	414.2	737.4	1170.5	906.9	787.7	1418.4	1961.3	1722.8
82.5°	150.6	153.8	301.3	458.2	775.1	536.6	433.1	655.9	847.3	750.0
85°	62.8	69.0	185.1	216.5	370.3	266.7	175.7	276.2	313.8	279.3
87.5°	6.3	9.4	56.5	40.8	43.9	53.3	25.1	53.3	43.9	43.9
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°
7220.7	0°	7220.7	7220.7	7220.7	7220.7	7220.7	7220.7	7220.7	7220.7	7220.7	7220.7
7327.4	2.5°	7267.8	7220.7	7101.5	6963.4	6781.4	6693.5	6574.3	6492.7	6423.7	6429.9
7509.4	5°	7409.0	7289.8	7023.0	6690.4	6276.2	5981.2	5667.4	5450.8	5275.1	5237.5
7760.5	7.5°	7603.6	7415.3	6947.7	6348.3	5648.5	5118.2	4644.4	4340.0	4123.4	4054.4
8064.9	10°	7854.6	7581.6	6850.4	5918.4	4911.1	4236.4	3728.0	3489.5	3342.1	3291.8
8422.6	12.5°	8146.5	7773.0	6721.8	5394.4	4151.7	3502.1	3178.9	3059.6	3012.6	2996.9
8861.9	15°	8513.6	8011.5	6527.2	4773.0	3508.4	3053.4	2915.3	2899.6	2905.9	2899.6
9389.1	17.5°	8949.8	8272.0	6210.3	4132.9	3075.3	2824.3	2774.1	2786.6	2802.3	2799.2
9979.1	20°	9426.8	8529.3	5805.5	3564.9	2780.3	2661.1	2632.9	2645.4	2658.0	2651.7
10660.1	22.5°	9969.7	8805.5	5356.7	3122.4	2582.6	2510.5	2479.1	2482.2	2482.2	2469.7
11523.0	25°	10619.3	9109.9	4886.0	2808.6	2432.0	2375.5	2337.9	2325.3	2306.5	2268.8
12571.2	27.5°	11394.4	9433.1	4434.1	2588.9	2312.8	2259.4	2215.5	2184.1	2137.0	2074.3
13829.5	30°	12266.8	9825.3	4051.3	2450.8	2218.6	2165.3	2115.1	2068.0	1999.0	1920.5
15276.2	32.5°	13292.9	10245.8	3772.0	2359.8	2133.9	2077.4	2017.8	1961.3	1886.0	1807.5
16901.7	35°	14516.8	10754.2	3608.8	2297.1	2068.0	1992.7	1926.8	1864.0	1807.5	1738.5
18668.4	37.5°	15844.2	11294.0	3558.6	2265.7	2024.1	1908.0	1832.6	1788.7	1782.4	1741.6
20579.5	40°	17297.1	11934.1	3596.2	2246.9	1977.0	1826.4	1744.8	1735.4	1751.0	1678.9
22622.4	42.5°	18834.8	12693.5	3659.0	2224.9	1911.1	1744.8	1666.3	1666.3	1653.8	1553.4
24781.4	45°	20497.9	13569.1	3721.8	2171.6	1832.6	1663.2	1603.6	1581.6	1528.2	1431.0
26953.0	47.5°	22173.7	14460.3	3768.8	2074.3	1738.5	1594.1	1540.8	1490.6	1412.1	1324.3
29083.7	50°	23764.7	15260.5	3718.6	1929.9	1631.8	1528.2	1471.8	1402.7	1318.0	1258.4
31101.5	52.5°	25186.2	15954.0	3505.2	1760.5	1518.8	1459.2	1409.0	1336.8	1267.8	1205.0
32921.6	55°	26422.6	16515.7	3128.7	1600.4	1418.4	1399.6	1349.4	1258.4	1164.2	1110.9
34726.0	57.5°	27608.8	16942.5	2658.0	1468.6	1327.4	1333.7	1258.4	1176.8	1088.9	1032.4
37158.0	60°	29187.3	17513.6	2181.0	1346.2	1230.1	1249.0	1167.4	1107.7	997.9	925.7
41328.5	62.5°	31710.3	18401.7	1732.2	1195.6	1117.2	1123.4	1088.9	1016.7	884.9	800.2
44419.5	65°	33712.4	18075.3	1365.1	1032.4	988.5	997.9	997.9	919.5	778.2	681.0
44585.9	67.5°	33486.5	15477.0	1088.9	872.4	866.1	872.4	894.4	828.5	690.4	611.9
41190.5	70°	30847.3	12310.7	872.4	724.9	753.1	737.4	800.2	756.3	621.3	542.9
31933.1	72.5°	25170.6	8868.2	665.3	599.4	577.4	602.5	721.8	681.0	517.8	429.9
16914.3	75°	14708.2	4732.2	495.8	473.9	417.4	502.1	640.2	580.5	395.4	316.9
5184.1	77.5°	4788.7	1650.6	364.0	348.3	310.7	404.8	546.0	489.5	323.2	251.0
1518.8	80°	1283.5	499.0	247.9	229.1	200.8	301.3	433.1	389.1	232.2	163.2
652.7	82.5°	514.6	210.3	144.4	128.7	109.8	207.1	342.1	313.8	172.6	103.6
204.0	85°	166.3	69.0	53.3	40.8	50.2	128.7	204.0	213.4	122.4	53.3
31.4	87.5°	22.0	9.4	9.4	12.6	9.4	22.0	62.8	59.6	34.5	6.3
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°
7220.7
6367.2
5152.7
3985.4
3254.2
2987.5
2896.4
2792.9
2648.5
2463.4
2262.6
2068.0
1914.2
1810.7
1732.2
1738.5
1682.0
1553.4
1427.8
1321.1
1249.0
1198.7
1104.6
1026.2
916.3
793.9
671.5
599.4
533.5
420.5
307.5
241.6
160.0
103.6
40.8
0.0
0.0

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