

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: P849723

Luminaire Tested: **GLAN-SB6D-927-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849723
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB6D-927-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 39392 lumens
Efficiency: N/A
Efficacy: 89.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B4 - U0 - G5

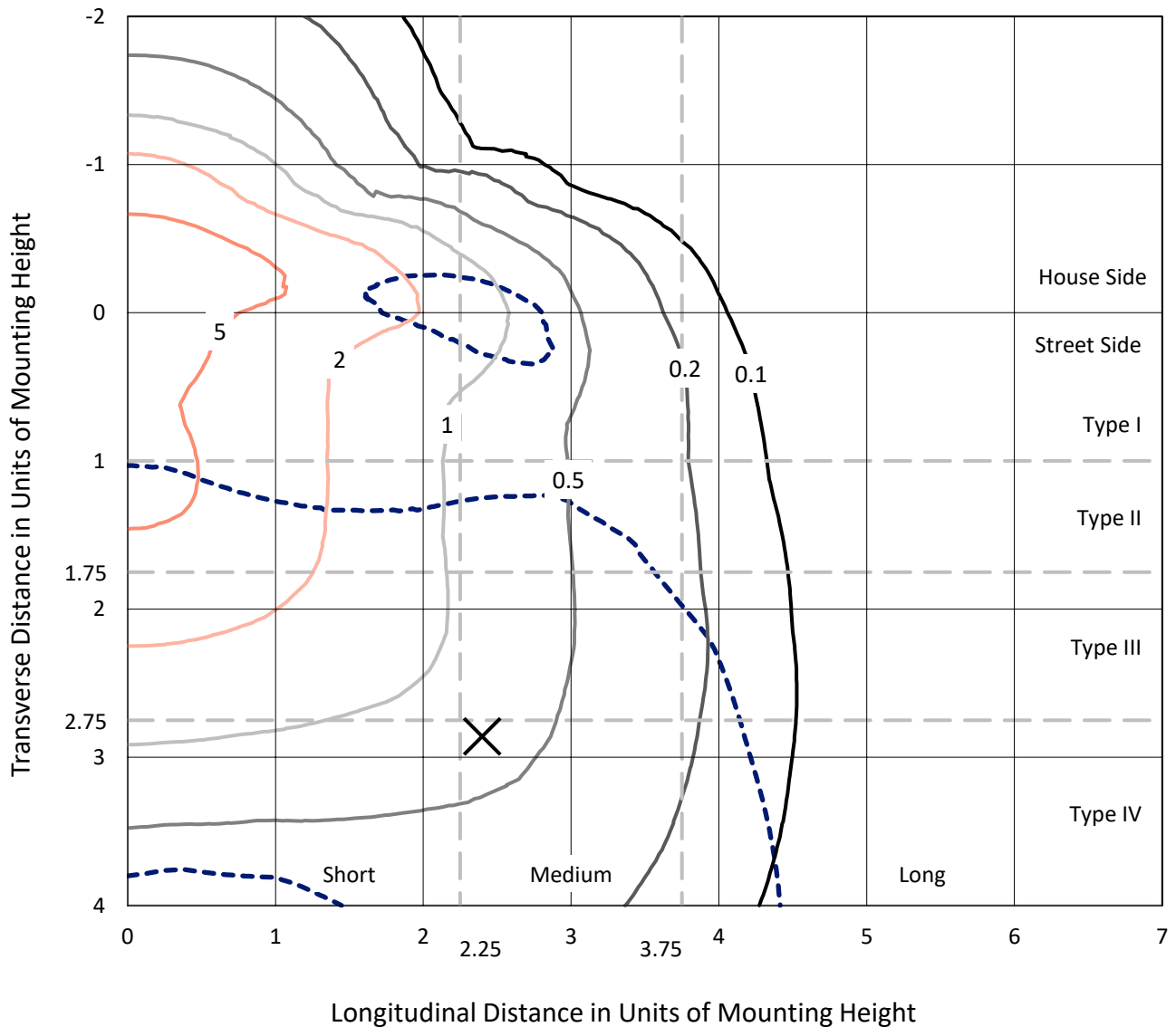
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

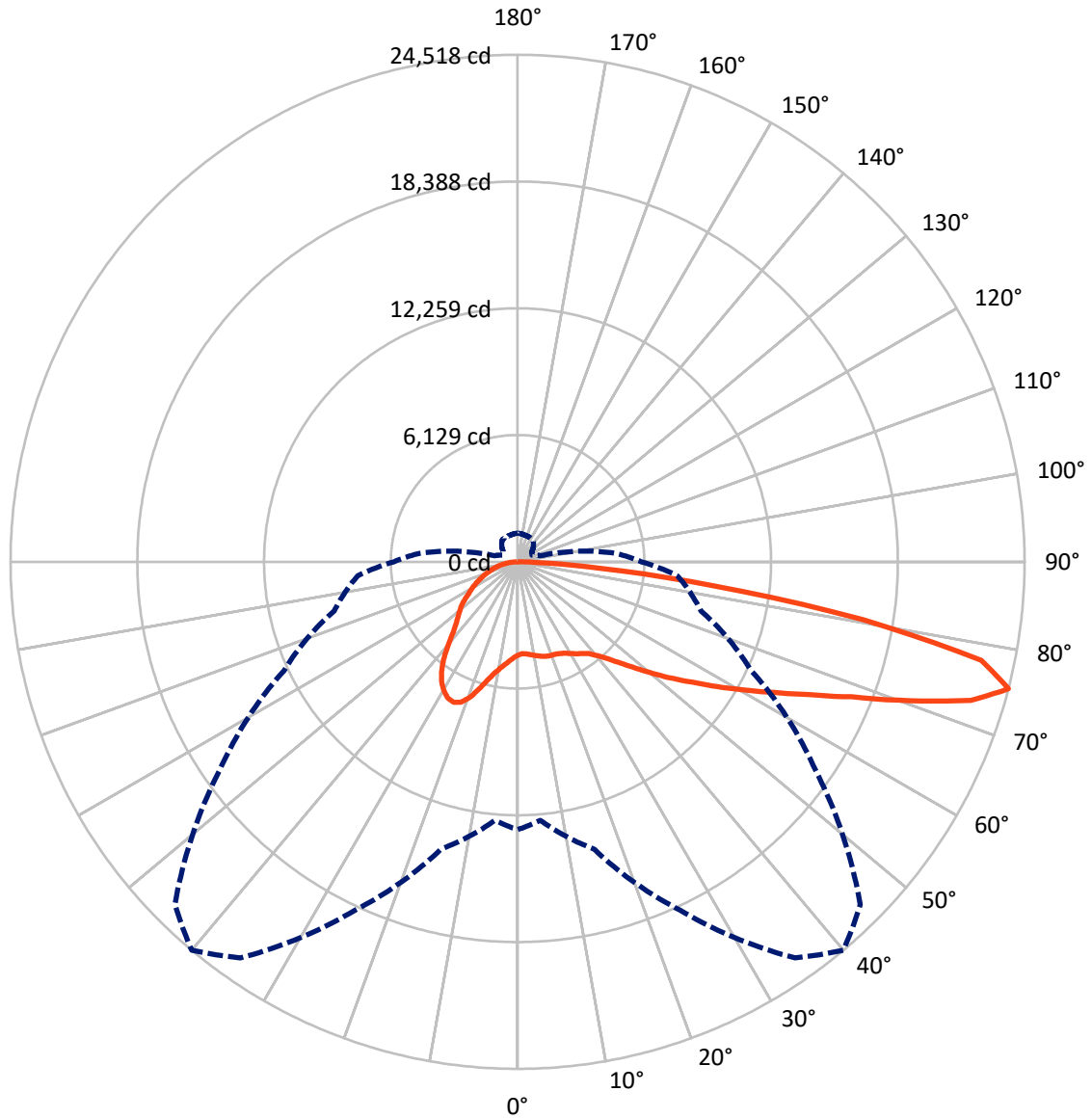
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.3 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12205.0	0.0	12205.0
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	27187.0	0.0	27187.0
	% Fixture	69.0	0.0	69.0
Total	Lumens	39392.0	0.0	39392.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	449.6	1.1
10°-20°	1509.6	3.8
20°-30°	2756.5	7.0
30°-40°	3909.4	9.9
40°-50°	5278.9	13.4
50°-60°	7101.6	18.0
60°-70°	9013.5	22.9
70°-80°	8180.3	20.8
80°-90°	1192.4	3.0
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°	39392.0	100.0
0°-180°	39392.0	100.0

Coefficient of Utilization

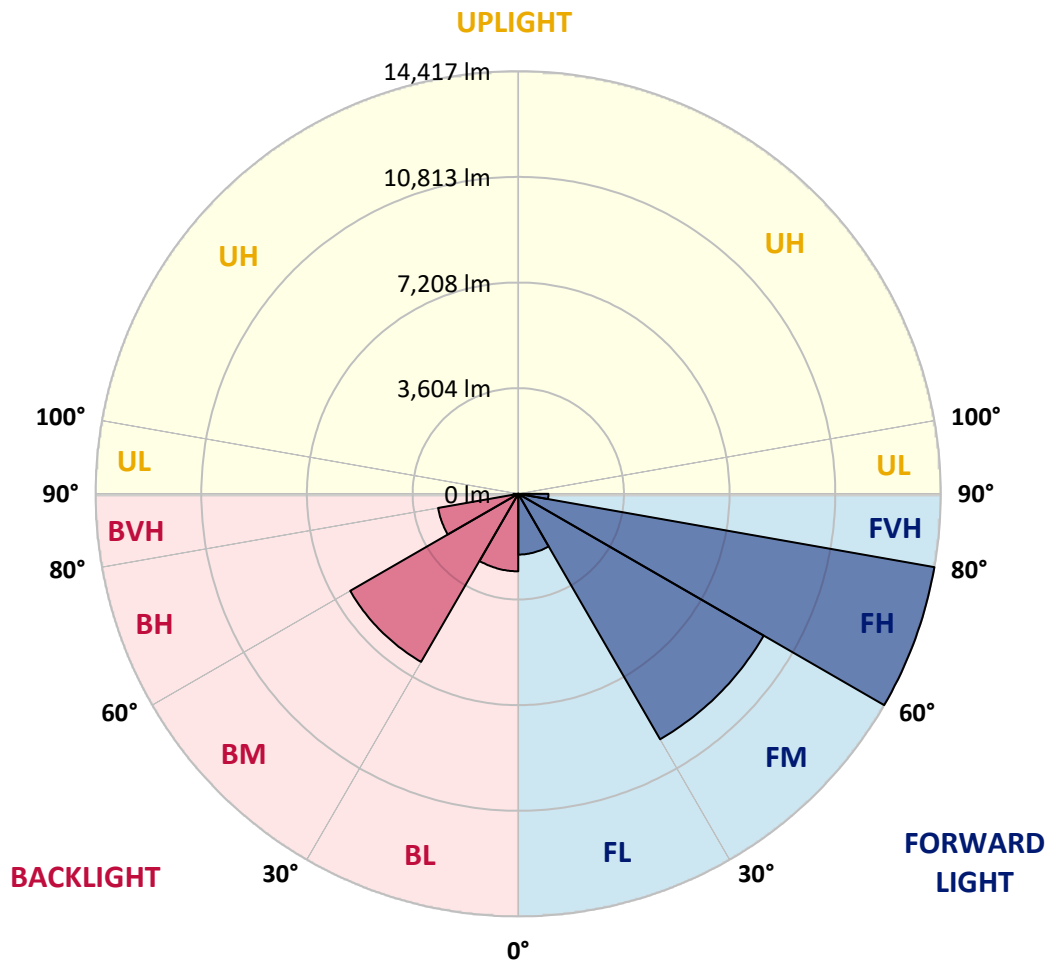


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2072.1	5.3			
FM (30°-60°)	9669.9	24.5			
FH (60°-80°)	14416.9	36.6			G5
FVH (80°-90°)	1028.3	2.6			G5
BL (0°-30°)	2643.7	6.7	B4/5000		
BM (30°-60°)	6620.1	16.8	B4/8500		
BH (60°-80°)	2777.0	7.0	B4/5000		G4/5000
BVH (80°-90°)	164.2	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	4504.5	4504.5	4504.5	4504.5	4504.5	4504.5	4504.5	4504.5	4504.5	4504.5
2.5°	4435.6	4460.7	4454.4	4446.0	4446.0	4448.1	4446.0	4460.7	4475.3	4489.9
5°	4481.5	4506.6	4494.1	4483.6	4475.3	4473.2	4466.9	4464.8	4473.2	4492.0
7.5°	4571.4	4596.5	4577.7	4558.8	4542.1	4533.8	4525.4	4512.9	4506.6	4517.1
10°	4671.7	4696.7	4673.8	4640.3	4613.2	4602.7	4594.4	4581.8	4573.5	4579.7
12.5°	4772.0	4797.0	4765.7	4719.7	4684.2	4677.9	4667.5	4663.3	4661.2	4659.1
15°	4866.0	4886.9	4847.2	4792.9	4755.2	4744.8	4734.4	4740.6	4751.1	4763.6
17.5°	4939.1	4960.0	4901.5	4830.5	4794.9	4790.8	4784.5	4805.4	4834.6	4866.0
20°	5006.0	5026.9	4951.6	4855.5	4813.7	4813.7	4815.8	4859.7	4901.5	4947.5
22.5°	5100.0	5116.7	5024.8	4893.1	4832.5	4836.7	4853.4	4897.3	4949.5	5012.2
25°	5240.0	5252.5	5139.7	4964.2	4895.2	4907.8	4922.4	4943.3	4993.4	5066.5
27.5°	5465.6	5476.1	5327.7	5089.5	4985.1	5006.0	5026.9	5012.2	5035.2	5097.9
30°	5783.2	5789.4	5601.4	5285.9	5137.6	5148.0	5152.2	5091.6	5047.7	5097.9
32.5°	6159.3	6157.2	5933.6	5524.1	5311.0	5300.6	5265.0	5145.9	5043.6	5087.4
35°	6742.2	6719.2	6430.9	5858.4	5507.4	5442.6	5359.1	5206.5	5064.5	5077.0
37.5°	7707.4	7636.4	7237.3	6405.8	5799.9	5634.8	5511.6	5304.7	5110.4	5072.8
40°	8795.9	8706.1	8267.4	7155.8	6238.6	5973.3	5774.8	5444.7	5185.6	5091.6
42.5°	10087.1	9959.7	9487.5	8039.6	6794.4	6410.0	6111.2	5622.3	5296.4	5152.2
45°	11672.9	11503.7	10835.1	9036.2	7494.3	6982.4	6583.4	5891.8	5465.6	5269.2
47.5°	13275.4	13317.2	12366.6	10177.0	8334.2	7688.6	7174.7	6297.1	5712.1	5457.2
50°	14978.2	15007.4	13889.7	11441.0	9286.9	8486.7	7839.0	6750.5	6054.8	5724.7
52.5°	16307.0	16311.2	15272.8	12763.5	10279.3	9364.2	8555.7	7268.7	6451.8	6079.9
55°	17138.5	17128.1	16242.2	14015.0	11420.1	10285.6	9349.6	7857.9	6936.5	6497.7
57.5°	17742.3	17711.0	16910.8	15091.0	12636.1	11374.1	10248.0	8526.4	7508.9	6995.0
60°	17972.1	17953.3	17364.2	16020.7	13914.7	12577.6	11284.3	9274.4	8158.7	7582.1
62.5°	18059.9	18095.4	17809.2	16921.2	15283.2	13910.5	12423.0	10168.6	8890.0	8246.5
65°	18369.1	18433.9	18375.4	18099.6	16829.3	15471.3	13933.5	11232.1	9688.1	8958.9
67.5°	18981.3	19046.0	19071.1	19509.9	18718.0	17416.4	15818.1	12556.7	10622.0	9698.5
70°	18966.7	18947.8	19390.8	20631.8	21083.1	20109.5	18358.7	14186.3	11735.6	10312.8
72.5°	17263.9	17113.4	18160.2	20619.3	23051.2	22921.7	21461.3	16288.2	12696.7	10388.0
75°	12951.6	12550.4	14399.4	18582.2	23379.3	24517.9	23433.6	17591.9	12468.9	9178.3
77.5°	5538.7	5135.5	7314.6	13755.9	20924.3	22919.6	21624.2	15348.0	9953.4	6069.4
80°	1450.0	1447.9	2210.5	6236.6	14230.2	16925.4	14848.6	9911.6	5687.1	2168.7
82.5°	599.6	585.0	812.7	2425.7	6953.2	9498.0	7751.3	4421.0	2053.8	587.1
85°	223.6	221.5	394.9	837.8	2452.8	3917.4	2835.2	1130.3	511.9	286.2
87.5°	62.7	60.6	85.7	290.4	597.5	906.8	484.7	185.9	144.2	112.8
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°
4504.5	0°	4504.5	4504.5	4504.5	4504.5	4504.5	4504.5	4504.5	4504.5	4504.5	4504.5
4512.9	2.5°	4519.2	4529.6	4548.4	4563.0	4581.8	4602.7	4632.0	4650.8	4669.6	4682.1
4523.3	5°	4538.0	4560.9	4609.0	4657.0	4713.5	4765.7	4826.3	4870.2	4905.7	4916.1
4560.9	7.5°	4579.7	4617.3	4698.8	4780.3	4870.2	4955.8	5043.6	5118.8	5179.4	5202.4
4627.8	10°	4652.9	4703.0	4817.9	4932.8	5051.9	5183.5	5296.4	5405.0	5490.7	5526.2
4707.2	12.5°	4744.8	4807.5	4957.9	5116.7	5281.7	5463.5	5609.8	5743.5	5850.0	5898.1
4817.9	15°	4863.9	4945.4	5137.6	5350.7	5593.1	5845.9	6031.8	6180.1	6299.2	6357.7
4932.8	17.5°	4993.4	5102.1	5344.4	5666.2	6013.0	6345.2	6562.5	6671.1	6794.4	6850.8
5039.4	20°	5118.8	5252.5	5599.3	6067.3	6529.1	6882.1	7057.7	7086.9	7095.3	7101.5
5139.7	22.5°	5248.3	5428.0	5919.0	6572.9	7068.1	7312.5	7337.6	7212.3	7036.8	6955.3
5237.9	25°	5390.4	5628.6	6336.8	7130.8	7531.9	7561.2	7369.0	7063.9	6731.7	6579.2
5317.3	27.5°	5528.3	5860.5	6838.3	7663.5	7866.2	7609.2	7195.5	6763.1	6361.9	6201.0
5373.7	30°	5666.2	6125.8	7391.9	8129.5	8018.7	7490.1	6921.8	6439.2	6036.0	5866.8
5423.8	32.5°	5806.2	6435.0	8029.2	8465.8	7991.6	7237.3	6581.3	6075.7	5720.5	5542.9
5467.7	35°	5964.9	6815.3	8633.0	8649.7	7809.8	6865.4	6132.1	5641.1	5331.9	5189.8
5519.9	37.5°	6171.8	7297.9	9165.8	8695.7	7492.2	6320.1	5574.2	5127.1	4872.2	4807.5
5597.2	40°	6428.8	7878.7	9573.2	8622.5	7022.1	5657.8	4964.2	4606.9	4462.7	4477.4
5701.7	42.5°	6763.1	8528.5	9859.4	8434.5	6368.2	4974.6	4429.3	4270.5	4339.5	4398.0
5858.4	45°	7197.6	9203.4	10037.0	8114.8	5628.6	4395.9	4113.8	4151.4	4203.7	4209.9
6111.2	47.5°	7753.4	9886.6	10154.0	7632.2	4874.3	3988.5	3913.3	3921.6	3911.2	3867.3
6489.4	50°	8447.0	10551.0	10258.5	6992.9	4232.9	3733.6	3633.3	3604.0	3459.9	3317.8
6992.9	52.5°	9236.8	11161.0	10302.3	6198.9	3733.6	3520.5	3357.5	3173.6	2904.1	2860.2
7625.9	55°	10114.3	11725.1	10189.5	5223.2	3313.6	3246.8	3000.2	2778.8	2749.5	2711.9
8459.6	57.5°	11163.1	12333.1	9959.7	4134.7	2883.2	2927.1	2686.8	2711.9	2659.7	2601.2
9531.4	60°	12310.1	12962.0	9556.5	3142.3	2438.2	2528.1	2605.4	2603.3	2588.6	2540.6
10661.7	62.5°	13342.3	13375.7	8762.5	2406.9	2047.5	2218.8	2429.9	2427.8	2415.2	2388.1
11842.1	65°	13956.5	13313.0	7437.9	1895.0	1725.8	1963.9	2191.7	2208.4	2210.5	2208.4
12730.1	67.5°	13847.9	12579.7	5620.2	1508.5	1460.4	1704.9	1955.6	1978.6	1995.3	1999.5
12842.9	70°	12619.4	10968.8	3664.6	1203.4	1224.3	1477.1	1732.0	1755.0	1769.6	1786.4
11144.3	72.5°	9836.4	8064.7	2097.7	973.6	1017.5	1280.7	1510.6	1537.7	1546.1	1577.4
7755.5	75°	5994.2	4742.7	1132.4	766.8	835.7	1094.8	1291.2	1322.5	1337.2	1374.8
3808.8	77.5°	2849.8	2053.8	645.6	597.5	672.8	894.2	1090.6	1126.1	1086.4	1107.3
1050.9	80°	963.2	762.6	407.4	455.5	514.0	697.8	873.3	908.8	825.3	821.1
348.9	82.5°	336.4	309.2	259.1	302.9	332.2	499.3	660.2	706.2	614.3	612.2
156.7	85°	131.6	125.4	144.2	165.1	198.5	307.1	434.6	457.6	378.2	305.0
46.0	87.5°	27.2	29.3	35.5	37.6	60.6	106.6	156.7	192.2	152.5	129.5
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°
4504.5
4673.8
4920.3
5204.4
5528.3
5898.1
6353.6
6848.7
7118.2
6978.3
6602.2
6219.8
5885.6
5565.9
5221.2
4853.4
4527.5
4452.3
4251.7
3900.7
3336.6
2874.9
2718.2
2590.7
2523.9
2377.6
2208.4
2003.6
1794.7
1590.0
1378.9
1090.6
812.7
582.9
300.9
119.1
0.0

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