

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: P850693

Luminaire Tested: **GLAN-SB8B-827-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850693
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-SB8B-827-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35987 lumens
Efficiency: N/A
Efficacy: 122.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B4 - U0 - G5

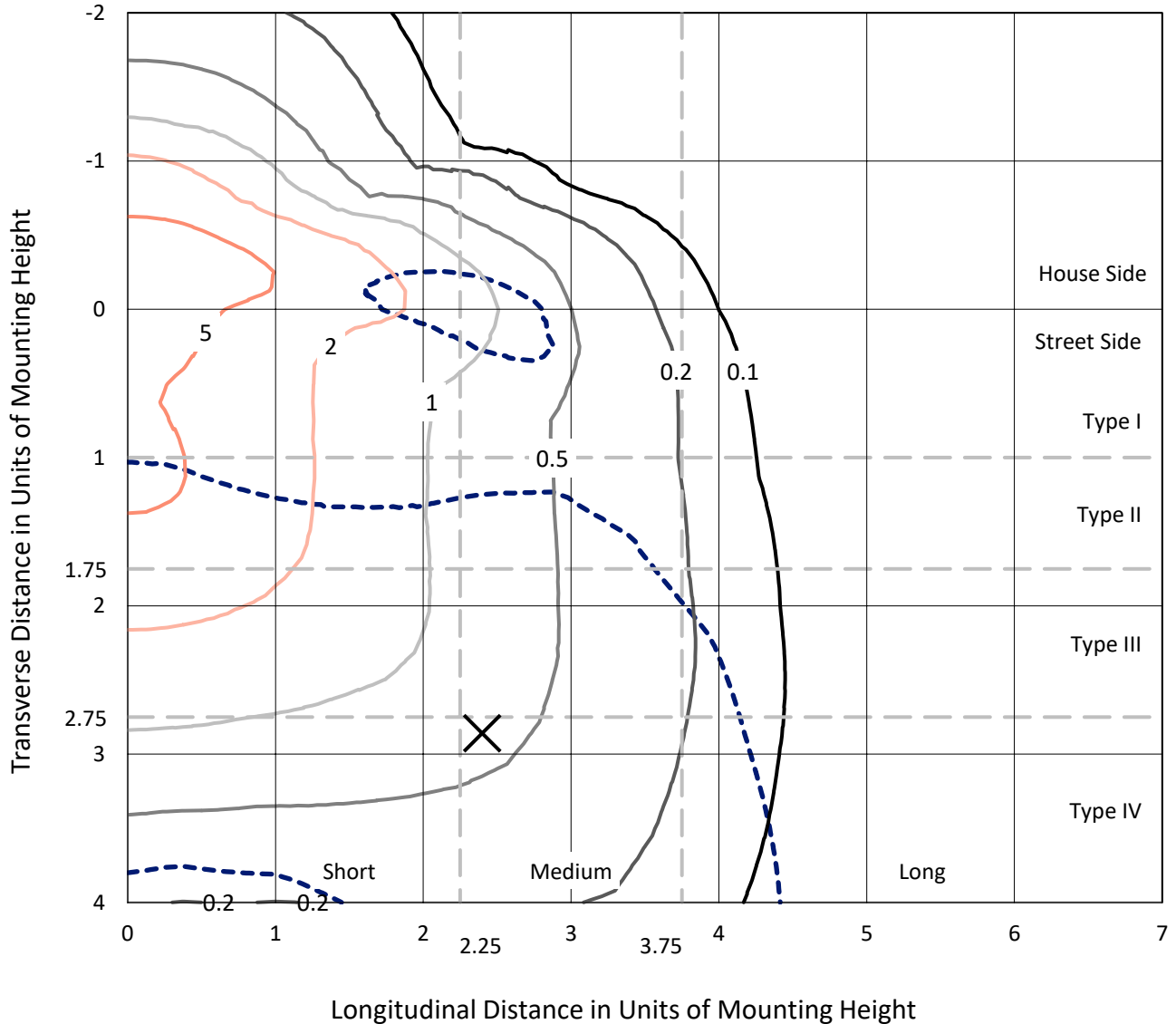
Input Watts (W): 292.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

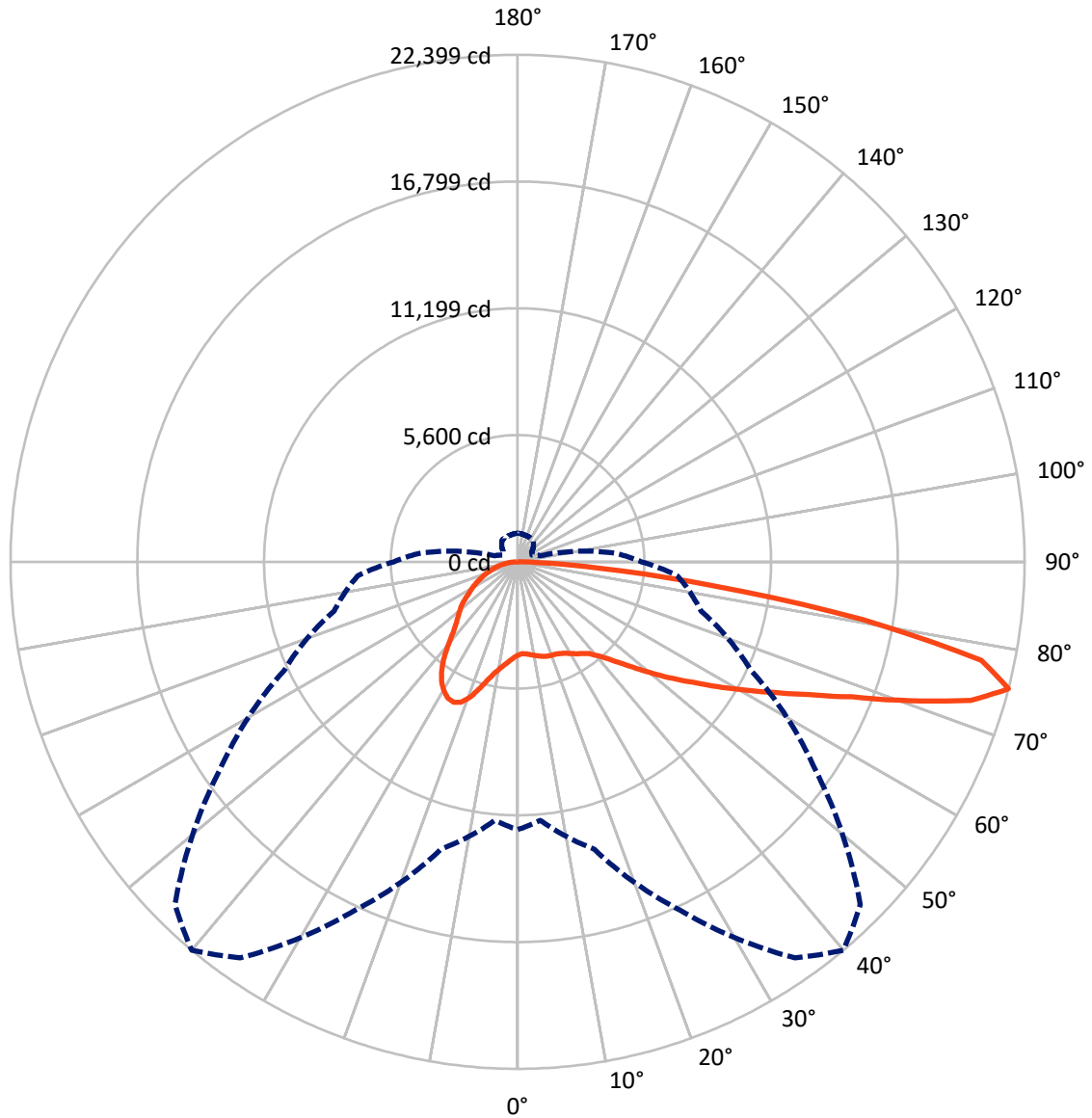
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.5 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	11150.0	0.0	11150.0
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	24837.0	0.0	24837.0
	% Fixture	69.0	0.0	69.0
Total	Lumens	35987.0	0.0	35987.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	410.8	1.1
10°-20°	1379.1	3.8
20°-30°	2518.2	7.0
30°-40°	3571.5	9.9
40°-50°	4822.6	13.4
50°-60°	6487.7	18.0
60°-70°	8234.4	22.9
70°-80°	7473.2	20.8
80°-90°	1089.4	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°	35987.0	100.0
0°-180°	35987.0	100.0

Coefficient of Utilization

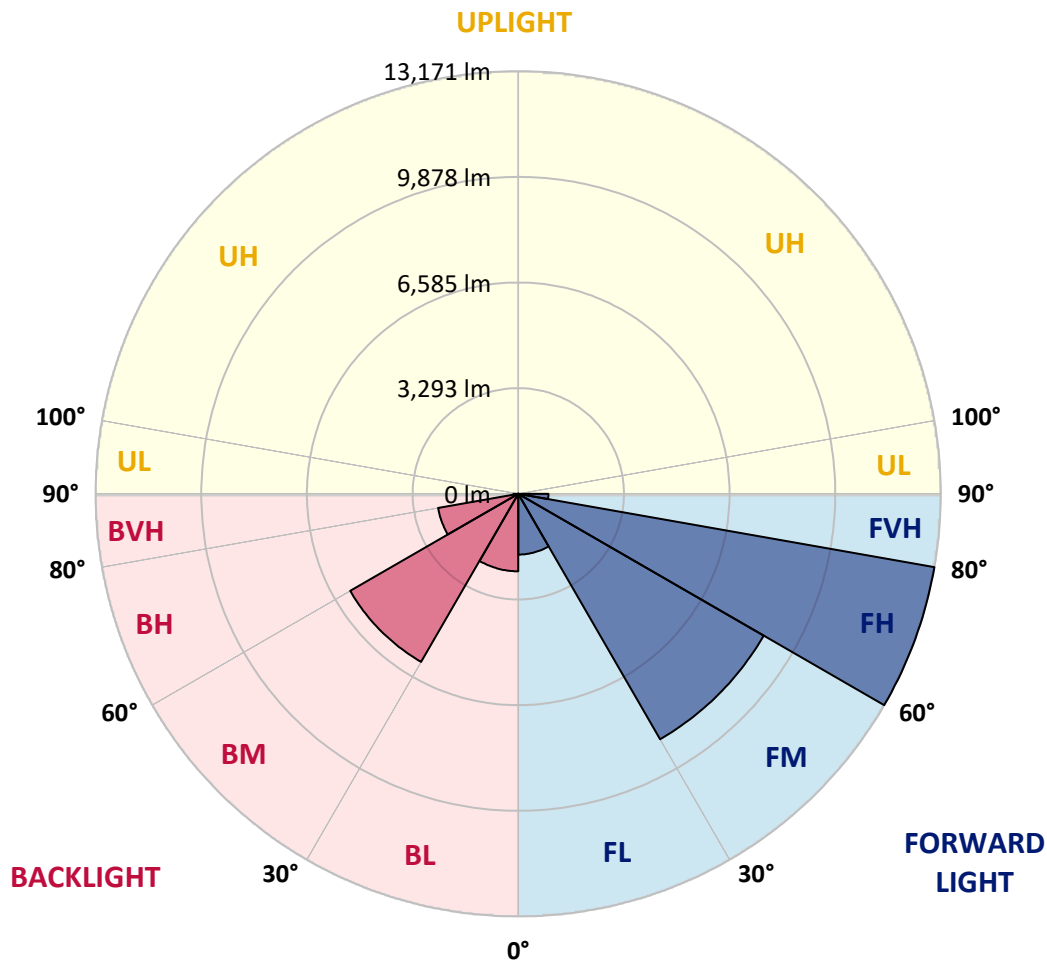


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1893.0	5.3			
FM (30°-60°)	8834.0	24.5			
FH (60°-80°)	13170.7	36.6			G5
FVH (80°-90°)	939.4	2.6			G5
BL (0°-30°)	2415.2	6.7	B3/2500		
BM (30°-60°)	6047.9	16.8	B4/8500		
BH (60°-80°)	2536.9	7.0	B4/5000		G4/5000
BVH (80°-90°)	150.0	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°	4115.2	4115.2	4115.2	4115.2	4115.2	4115.2	4115.2	4115.2	4115.2	4115.2
2.5°	4052.2	4075.1	4069.4	4061.7	4061.7	4063.6	4061.7	4075.1	4088.4	4101.8
5°	4094.2	4117.1	4105.6	4096.1	4088.4	4086.5	4080.8	4078.9	4086.5	4103.7
7.5°	4176.2	4199.1	4182.0	4164.8	4149.5	4141.9	4134.2	4122.8	4117.1	4126.6
10°	4267.9	4290.8	4269.8	4239.2	4214.4	4204.9	4197.2	4185.8	4178.1	4183.9
12.5°	4359.5	4382.4	4353.7	4311.8	4279.3	4273.6	4264.0	4260.2	4258.3	4256.4
15°	4445.4	4464.5	4428.2	4378.6	4344.2	4334.7	4325.1	4330.8	4340.4	4351.8
17.5°	4512.2	4531.3	4477.8	4412.9	4380.5	4376.7	4370.9	4390.0	4416.7	4445.4
20°	4573.2	4592.3	4523.6	4435.8	4397.6	4397.6	4399.6	4439.6	4477.8	4519.8
22.5°	4659.1	4674.4	4590.4	4470.2	4414.8	4418.6	4433.9	4474.0	4521.7	4579.0
25°	4787.0	4798.5	4695.4	4535.1	4472.1	4483.5	4496.9	4516.0	4561.8	4628.6
27.5°	4993.2	5002.7	4867.2	4649.6	4554.2	4573.2	4592.3	4579.0	4600.0	4657.2
30°	5283.3	5289.0	5117.2	4829.0	4693.5	4703.0	4706.9	4651.5	4611.4	4657.2
32.5°	5626.9	5624.9	5420.7	5046.6	4851.9	4842.4	4809.9	4701.1	4607.6	4647.7
35°	6159.4	6138.4	5875.0	5352.0	5031.3	4972.2	4895.8	4756.5	4626.7	4638.1
37.5°	7041.2	6976.3	6611.7	5852.1	5298.6	5147.8	5035.2	4846.2	4668.7	4634.3
40°	8035.6	7953.6	7552.7	6537.3	5699.4	5457.0	5275.7	4974.1	4737.4	4651.5
42.5°	9215.2	9098.8	8667.4	7344.7	6207.1	5855.9	5583.0	5136.3	4838.6	4706.9
45°	10663.9	10509.3	9898.5	8255.1	6846.5	6378.9	6014.3	5382.5	4993.2	4813.7
47.5°	12127.9	12166.1	11297.6	9297.3	7613.8	7024.0	6554.5	5752.8	5218.4	4985.5
50°	13683.5	13710.2	12689.1	10452.1	8484.2	7753.1	7161.4	6167.0	5531.4	5229.8
52.5°	14897.4	14901.2	13952.6	11660.3	9390.8	8554.8	7816.1	6640.4	5894.1	5554.3
55°	15657.1	15647.5	14838.2	12803.6	10433.0	9396.5	8541.4	7178.6	6336.9	5936.1
57.5°	16208.7	16180.1	15449.0	13786.6	11543.8	10391.0	9362.2	7789.4	6859.9	6390.3
60°	16418.7	16401.5	15863.2	14635.9	12712.0	11490.4	10308.9	8472.7	7453.5	6926.7
62.5°	16498.8	16531.3	16269.8	15458.6	13962.2	12708.1	11349.1	9289.7	8121.5	7533.6
65°	16781.3	16840.5	16787.0	16535.1	15374.6	14133.9	12729.1	10261.2	8850.7	8184.5
67.5°	17340.6	17399.7	17422.6	17823.5	17100.1	15910.9	14450.8	11471.3	9703.8	8860.2
70°	17327.2	17310.0	17714.7	18848.4	19260.7	18371.3	16771.8	12960.1	10721.2	9421.4
72.5°	15771.6	15634.2	16590.4	18837.0	21058.7	20940.4	19606.2	14880.2	11599.2	9490.1
75°	11832.0	11465.6	13154.8	16976.0	21358.4	22398.6	21408.0	16071.3	11391.1	8384.9
77.5°	5060.0	4691.6	6682.4	12566.9	19115.7	20938.5	19755.1	14021.3	9093.1	5544.8
80°	1324.6	1322.7	2019.4	5697.5	13000.2	15462.4	13565.1	9054.9	5195.5	1981.2
82.5°	547.8	534.4	742.5	2216.0	6352.2	8677.0	7081.3	4038.8	1876.3	536.3
85°	204.2	202.3	360.7	765.4	2240.8	3578.8	2590.1	1032.6	467.6	261.5
87.5°	57.3	55.4	78.3	265.3	545.9	828.4	442.8	169.9	131.7	103.1
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°
4115.2	0°	4115.2	4115.2	4115.2	4115.2	4115.2	4115.2	4115.2	4115.2	4115.2	4115.2
4122.8	2.5°	4128.5	4138.1	4155.2	4168.6	4185.8	4204.9	4231.6	4248.8	4265.9	4277.4
4132.3	5°	4145.7	4166.7	4210.6	4254.5	4306.0	4353.7	4409.1	4449.2	4481.6	4491.2
4166.7	7.5°	4183.9	4218.2	4292.7	4367.1	4449.2	4527.4	4607.6	4676.3	4731.7	4752.7
4227.8	10°	4250.7	4296.5	4401.5	4506.4	4615.2	4735.5	4838.6	4937.8	5016.1	5048.5
4300.3	12.5°	4334.7	4391.9	4529.3	4674.4	4825.2	4991.3	5124.9	5247.0	5344.4	5388.3
4401.5	15°	4443.5	4517.9	4693.5	4888.2	5109.6	5340.5	5510.4	5645.9	5754.7	5808.2
4506.4	17.5°	4561.8	4661.1	4882.5	5176.4	5493.2	5796.7	5995.2	6094.5	6207.1	6258.6
4603.8	20°	4676.3	4798.5	5115.3	5542.9	5964.7	6287.3	6447.6	6474.3	6482.0	6487.7
4695.4	22.5°	4794.7	4958.8	5407.4	6004.8	6457.1	6680.5	6703.4	6588.8	6428.5	6354.1
4785.1	25°	4924.5	5142.0	5789.1	6514.4	6880.9	6907.6	6732.0	6453.3	6149.8	6010.5
4857.6	27.5°	5050.4	5353.9	6247.2	7001.1	7186.3	6951.5	6573.6	6178.5	5812.0	5665.0
4909.2	30°	5176.4	5596.3	6753.0	7426.8	7325.6	6842.7	6323.5	5882.6	5514.2	5359.6
4955.0	32.5°	5304.3	5878.8	7335.1	7734.1	7300.8	6611.7	6012.4	5550.5	5226.0	5063.8
4995.1	35°	5449.3	6226.2	7886.8	7902.0	7134.7	6272.0	5602.0	5153.5	4871.0	4741.2
5042.8	37.5°	5638.3	6667.1	8373.5	7944.0	6844.6	5773.8	5092.4	4684.0	4451.1	4391.9
5113.4	40°	5873.1	7197.7	8745.7	7877.2	6415.1	5168.8	4535.1	4208.7	4077.0	4090.3
5208.8	42.5°	6178.5	7791.3	9007.2	7705.4	5817.7	4544.6	4046.4	3901.4	3964.4	4017.8
5352.0	45°	6575.5	8407.8	9169.4	7413.4	5142.0	4015.9	3758.2	3792.6	3840.3	3846.0
5583.0	47.5°	7083.2	9032.0	9276.3	6972.5	4453.0	3643.7	3575.0	3582.6	3573.1	3533.0
5928.4	50°	7716.9	9638.9	9371.7	6388.4	3867.0	3410.9	3319.2	3292.5	3160.8	3031.0
6388.4	52.5°	8438.4	10196.3	9411.8	5663.1	3410.9	3216.2	3067.3	2899.3	2653.1	2613.0
6966.8	55°	9240.0	10711.6	9308.7	4771.8	3027.2	2966.1	2740.9	2538.6	2511.9	2477.5
7728.3	57.5°	10198.2	11267.1	9098.8	3777.3	2634.0	2674.1	2454.6	2477.5	2429.8	2376.3
8707.5	60°	11246.1	11841.6	8730.4	2870.7	2227.5	2309.5	2380.2	2378.2	2364.9	2321.0
9740.1	62.5°	12189.0	12219.5	8005.1	2198.8	1870.5	2027.0	2219.8	2217.9	2206.5	2181.6
10818.5	65°	12750.1	12162.2	6795.0	1731.2	1576.6	1794.2	2002.2	2017.5	2019.4	2017.5
11629.7	67.5°	12650.9	11492.3	5134.4	1378.1	1334.2	1557.5	1786.5	1807.5	1822.8	1826.6
11732.8	70°	11528.6	10020.7	3347.9	1099.4	1118.5	1349.5	1582.3	1603.3	1616.7	1631.9
10181.0	72.5°	8986.2	7367.6	1916.3	889.5	929.5	1170.0	1380.0	1404.8	1412.4	1441.1
7085.1	75°	5476.1	4332.8	1034.5	700.5	763.5	1000.2	1179.6	1208.2	1221.6	1255.9
3479.6	77.5°	2603.5	1876.3	589.8	545.9	614.6	816.9	996.3	1028.8	992.5	1011.6
960.1	80°	879.9	696.7	372.2	416.1	469.5	637.5	797.8	830.3	753.9	750.1
318.8	82.5°	307.3	282.5	236.7	276.8	303.5	456.2	603.1	645.1	561.2	559.2
143.2	85°	120.2	114.5	131.7	150.8	181.3	280.6	397.0	418.0	345.5	278.7
42.0	87.5°	24.8	26.7	32.4	34.4	55.4	97.3	143.2	175.6	139.3	118.3
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°
4115.2
4269.8
4495.0
4754.6
5050.4
5388.3
5804.4
6256.7
6502.9
6375.1
6031.5
5682.2
5376.8
5084.8
4769.8
4433.9
4136.2
4067.4
3884.2
3563.5
3048.2
2626.4
2483.2
2366.8
2305.7
2172.1
2017.5
1830.4
1639.6
1452.5
1259.7
996.3
742.5
532.5
274.9
108.8
0.0

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