

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: P853019

Luminaire Tested: **GLAN-SB8A-835-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853019
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB8A-835-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29684 lumens
Efficiency: N/A
Efficacy: 130.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

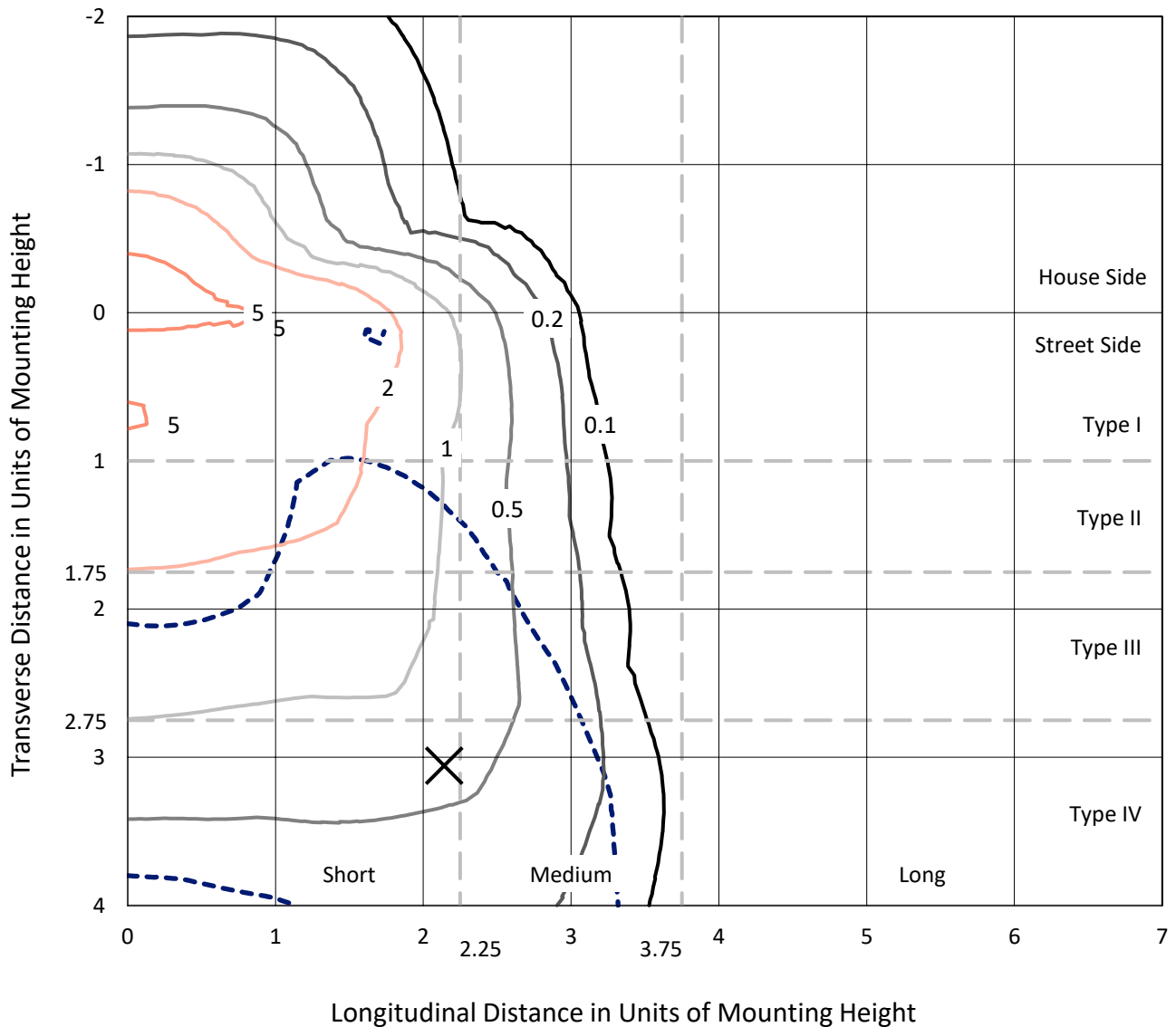
Input Watts (W): 227.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

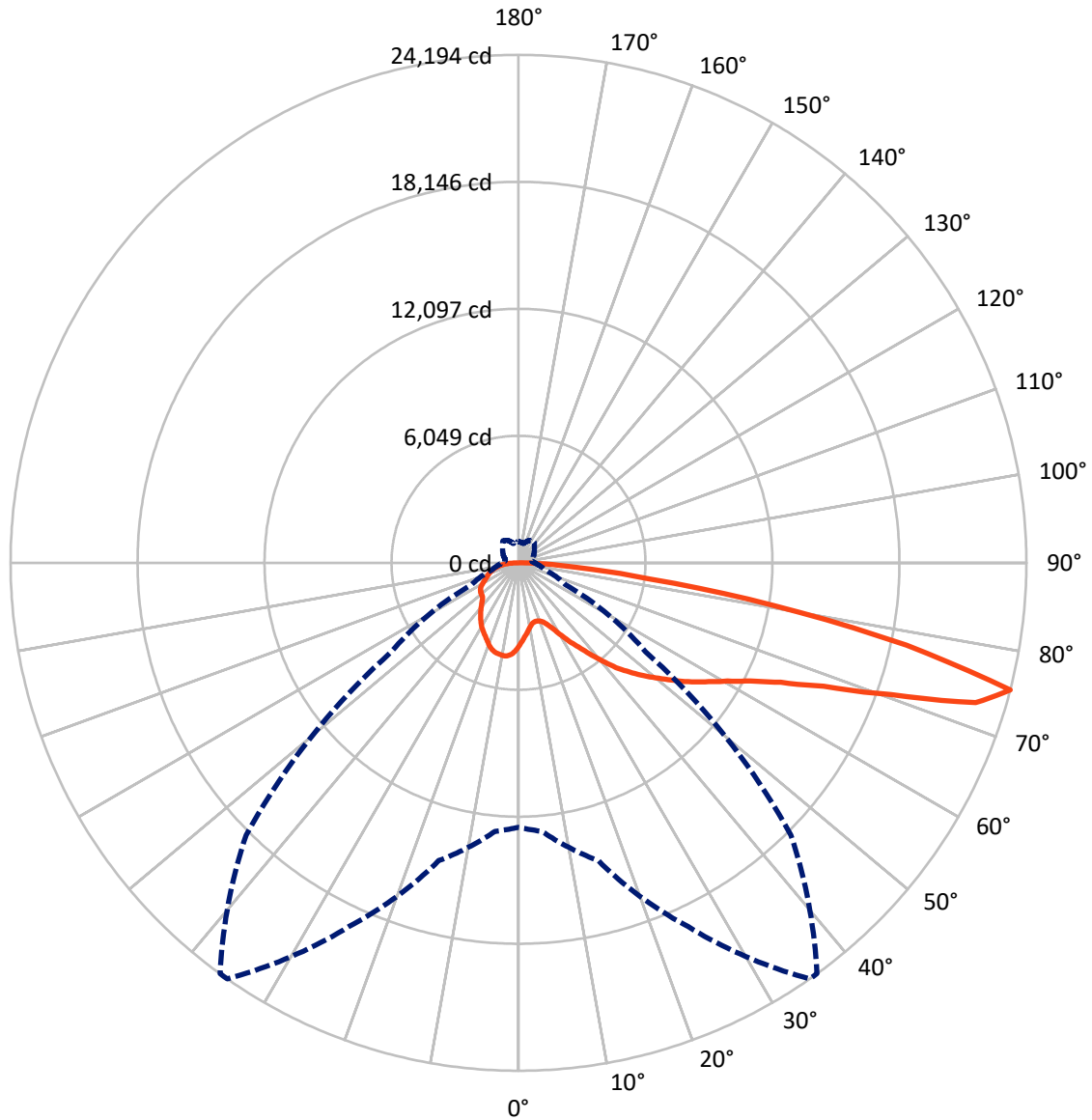
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7064.0	0.0	7064.0
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	22620.0	0.0	22620.0
	% Fixture	76.2	0.0	76.2
Total	Lumens	29684.0	0.0	29684.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	374.5	1.3
10°-20°	1080.3	3.6
20°-30°	1814.0	6.1
30°-40°	2819.3	9.5
40°-50°	4184.6	14.1
50°-60°	5777.0	19.5
60°-70°	7008.9	23.6
70°-80°	5792.3	19.5
80°-90°	833.1	2.8
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°	29684.0	100.0
0°-180°	29684.0	100.0

Coefficient of Utilization

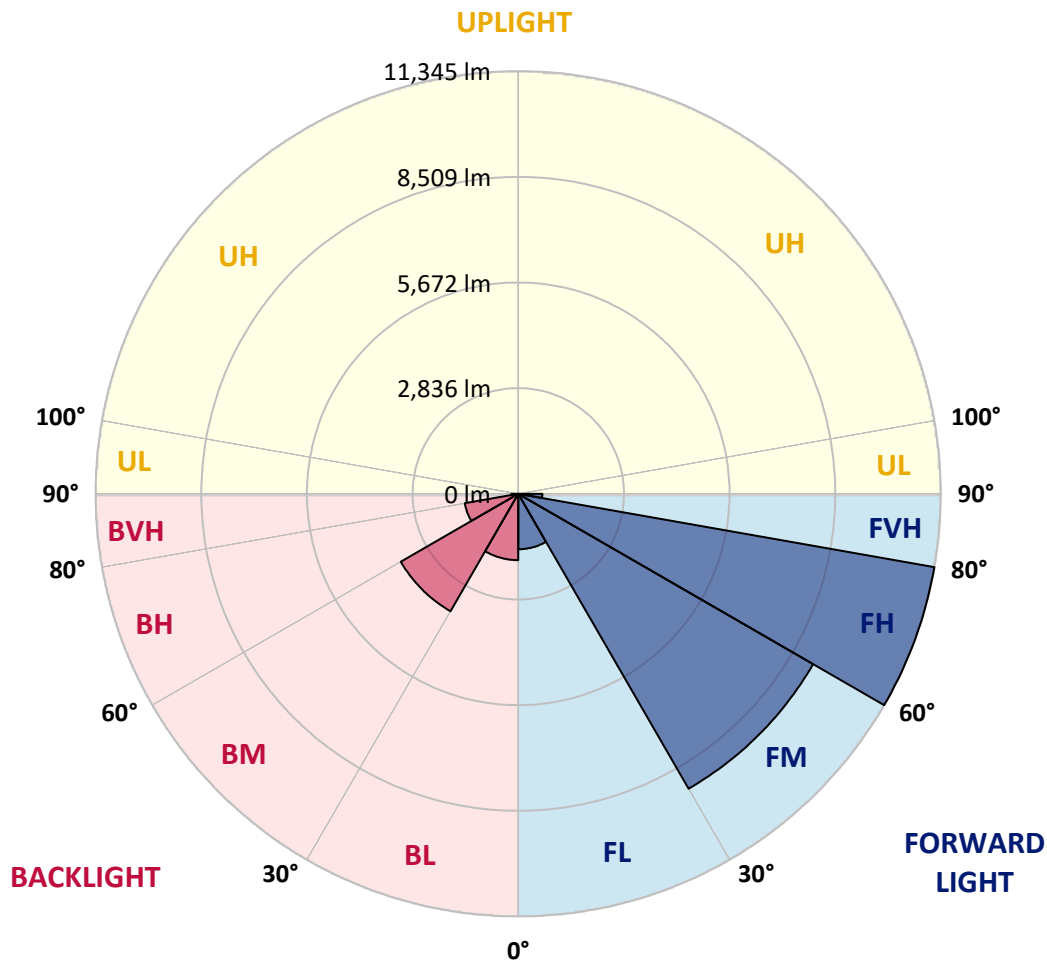


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1488.6	5.0			
FM (30°-60°)	9141.1	30.8			
FH (60°-80°)	11344.8	38.2			G4/12000
FVH (80°-90°)	645.5	2.2			G4/750
BL (0°-30°)	1780.2	6.0	B3/2500		
BM (30°-60°)	3639.8	12.3	B3/5000		
BH (60°-80°)	1456.4	4.9	B3/2500		G3/2500
BVH (80°-90°)	187.6	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
 Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	3955.6	3955.6	3955.6	3955.6	3955.6	3955.6	3955.6	3955.6	3955.6	3955.6
2.5°	3647.5	3670.0	3679.6	3674.8	3698.8	3695.6	3729.3	3771.1	3828.8	3885.0
5°	3366.7	3390.7	3411.6	3430.9	3477.4	3491.8	3544.8	3625.0	3730.9	3838.5
7.5°	3105.1	3126.0	3158.1	3193.4	3272.0	3286.4	3374.7	3499.9	3647.5	3804.8
10°	2891.7	2912.5	2946.2	2986.4	3084.2	3101.9	3214.2	3381.1	3573.7	3772.7
12.5°	2800.2	2806.6	2825.9	2866.0	2951.0	2962.3	3085.8	3276.8	3501.5	3748.6
15°	2795.4	2808.2	2809.8	2830.7	2901.3	2906.1	3020.1	3209.4	3456.5	3743.8
17.5°	2843.5	2853.2	2838.7	2851.6	2910.9	2919.0	3008.8	3177.3	3442.1	3764.6
20°	2971.9	2979.9	2936.6	2919.0	2962.3	2968.7	3057.0	3198.2	3456.5	3808.0
22.5°	3244.7	3249.5	3143.6	3071.4	3074.6	3077.8	3154.8	3283.2	3512.7	3886.6
25°	3670.0	3666.7	3498.3	3358.6	3278.4	3260.8	3312.1	3421.2	3607.4	3990.9
27.5°	4167.4	4143.3	3974.9	3766.2	3591.3	3565.7	3554.4	3601.0	3742.2	4128.9
30°	4729.1	4706.6	4525.3	4252.5	4010.2	3968.4	3862.5	3838.5	3942.8	4316.7
32.5°	5345.3	5330.8	5114.2	4783.6	4459.5	4411.3	4233.2	4169.0	4250.9	4600.7
35°	5862.0	5849.1	5669.4	5329.2	4932.9	4873.5	4692.2	4619.9	4661.7	4965.0
37.5°	6329.0	6322.5	6168.5	5900.5	5491.3	5419.1	5215.3	5191.2	5183.2	5444.8
40°	6762.2	6746.2	6585.7	6444.5	6141.2	6075.4	5895.7	5874.8	5813.8	6035.3
42.5°	7242.0	7200.3	6967.6	6901.8	6820.0	6765.4	6657.9	6661.1	6526.3	6701.2
45°	7633.6	7609.5	7370.4	7331.9	7420.1	7397.7	7490.8	7514.8	7253.3	7399.3
47.5°	8054.0	8031.5	7829.3	7802.1	8041.2	8047.6	8376.6	8384.6	7962.5	8124.6
50°	8572.3	8540.2	8339.6	8373.3	8641.3	8665.4	9267.2	9212.6	8615.7	8861.2
52.5°	8914.1	8933.4	8890.1	8944.6	9310.5	9333.0	10143.3	10003.7	9262.3	9588.1
55°	9166.1	9204.6	9339.4	9464.5	10016.6	10039.0	10969.8	10756.3	9798.3	10262.1
57.5°	9490.2	9435.7	9687.6	9931.5	10687.3	10746.7	11773.7	11481.7	10273.3	10843.0
60°	9955.6	9917.1	10112.8	10473.9	11438.3	11533.0	12624.2	12134.8	10621.5	11303.5
62.5°	10899.1	10802.9	10833.4	11152.7	12385.1	12510.3	13583.8	12704.4	10794.8	11483.3
65°	12309.7	12144.4	11990.3	12211.8	13718.6	13842.2	14667.0	13152.1	10730.7	11135.0
67.5°	14086.1	13922.4	13733.1	13941.7	15682.8	15780.7	16003.7	13404.1	10225.2	9793.5
70°	15551.2	15490.2	15716.5	16575.0	18820.0	18823.2	17717.5	13195.5	8840.3	6943.6
72.5°	15357.0	15320.1	16512.4	19166.6	22774.0	22688.9	19339.9	11616.4	5955.1	3132.4
75°	12598.5	12837.6	14684.6	19120.0	24194.1	24182.9	18346.6	7384.8	2463.2	1298.2
77.5°	6755.8	7134.5	9533.5	14116.6	18887.4	19171.4	12898.6	2583.6	1057.5	831.2
80°	2203.3	2533.8	3799.9	7187.5	12272.8	12219.8	5528.2	1014.2	723.7	588.9
82.5°	935.5	974.1	1697.8	3393.9	6298.5	6200.6	1760.4	582.5	508.7	402.8
85°	365.9	409.2	749.4	1569.4	2728.0	2668.6	635.5	288.8	325.8	263.2
87.5°	120.4	146.0	268.0	537.6	848.9	818.4	155.7	99.5	141.2	120.4
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°
3955.6	0°	3955.6	3955.6	3955.6	3955.6	3955.6	3955.6	3955.6	3955.6	3955.6	3955.6
3966.8	2.5°	3989.3	4015.0	4045.5	4090.4	4128.9	4161.0	4194.7	4215.6	4223.6	4247.6
3973.2	5°	4018.2	4074.3	4149.8	4223.6	4295.8	4339.1	4377.6	4396.9	4414.5	4427.4
3990.9	7.5°	4066.3	4138.5	4257.3	4353.6	4414.5	4449.8	4475.5	4469.1	4475.5	4478.7
4010.2	10°	4108.0	4209.1	4350.4	4441.8	4488.4	4490.0	4483.5	4461.1	4449.8	4451.4
4039.0	12.5°	4157.8	4270.1	4422.6	4499.6	4512.4	4477.1	4449.8	4411.3	4396.9	4390.5
4082.4	15°	4225.2	4353.6	4501.2	4530.1	4498.0	4453.1	4406.5	4343.9	4311.8	4286.2
4156.2	17.5°	4307.0	4448.2	4562.2	4541.3	4472.3	4398.5	4323.1	4228.4	4162.6	4135.3
4257.3	20°	4421.0	4547.7	4608.7	4517.2	4412.9	4300.6	4172.2	4056.7	3995.7	3968.4
4385.7	22.5°	4559.0	4680.9	4653.6	4475.5	4327.9	4148.2	3987.7	3902.6	3872.1	3852.9
4550.9	25°	4724.2	4828.6	4685.7	4414.5	4188.3	3946.0	3822.4	3795.1	3780.7	3766.2
4753.1	27.5°	4939.3	4995.4	4709.8	4324.7	3970.0	3730.9	3686.0	3690.8	3686.0	3661.9
5034.0	30°	5223.3	5212.1	4732.3	4178.6	3719.7	3536.8	3540.0	3560.8	3564.0	3548.0
5425.5	32.5°	5597.2	5483.3	4743.5	3989.3	3480.6	3366.7	3369.9	3392.3	3408.4	3381.1
5937.4	35°	6049.7	5799.4	4725.9	3751.8	3296.1	3204.6	3180.5	3186.9	3191.8	3166.1
6558.4	37.5°	6577.7	6154.0	4647.2	3488.6	3143.6	3045.7	2994.4	2951.0	2925.4	2901.3
7261.3	40°	7157.0	6540.8	4502.8	3231.9	2973.5	2877.2	2800.2	2718.4	2631.7	2599.6
8005.9	42.5°	7763.6	6938.7	4327.9	2986.4	2777.7	2699.1	2617.3	2498.5	2368.5	2302.7
8779.3	45°	8392.6	7346.3	4156.2	2744.0	2577.2	2543.5	2448.8	2306.0	2164.7	2081.3
9554.4	47.5°	9008.8	7731.5	3904.2	2500.1	2389.4	2426.3	2352.5	2220.9	2063.6	1932.1
10323.1	50°	9597.7	8092.5	3491.8	2253.0	2237.0	2391.0	2320.4	2131.0	1951.3	1782.8
11077.3	52.5°	10181.8	8384.6	2963.9	2028.3	2155.1	2381.4	2278.7	2070.1	1850.2	1673.7
11786.5	55°	10677.7	8535.4	2455.2	1835.8	2036.4	2299.5	2228.9	1997.9	1707.4	1519.7
12272.8	57.5°	10960.1	8413.5	2031.6	1646.4	1872.7	2164.7	2143.9	1843.8	1537.3	1392.9
12367.4	60°	10838.2	7919.2	1684.9	1481.1	1717.0	2018.7	1996.3	1691.4	1407.3	1270.9
11860.4	62.5°	10165.8	6977.3	1410.5	1336.7	1575.8	1869.5	1848.6	1574.2	1307.8	1176.2
10514.0	65°	8811.4	5675.8	1197.1	1216.4	1433.0	1689.8	1720.2	1476.3	1229.2	1100.8
8134.2	67.5°	6720.5	4111.3	1030.2	1112.1	1293.4	1513.2	1601.5	1405.7	1163.4	1041.5
4706.6	70°	3830.4	2334.8	889.0	1011.0	1169.8	1349.6	1510.0	1349.6	1092.8	991.7
1763.6	72.5°	1452.3	1071.9	768.7	909.9	1051.1	1211.6	1408.9	1261.3	1011.0	935.5
911.5	75°	775.1	653.1	646.7	791.1	914.7	1076.8	1282.2	1174.6	950.0	988.5
630.6	77.5°	527.9	462.2	540.8	677.2	765.4	927.5	1147.4	1043.1	823.2	820.0
436.5	80°	365.9	327.4	439.7	545.6	592.1	779.9	1001.3	895.4	670.8	625.8
269.6	82.5°	219.8	213.4	329.0	407.6	418.8	601.8	829.6	751.0	548.8	478.2
160.5	85°	120.4	126.8	210.2	239.1	243.9	420.4	649.9	580.9	422.0	354.6
57.8	87.5°	33.7	43.3	77.0	94.7	117.1	218.2	386.7	345.0	211.8	147.6
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

<u>180°</u>
3955.6
4246.0
4430.6
4483.5
4454.7
4387.3
4294.2
4136.9
3965.2
3856.1
3766.2
3666.7
3556.0
3393.9
3183.7
2917.4
2614.1
2310.8
2074.9
1917.6
1768.4
1654.4
1503.6
1373.6
1251.7
1155.4
1080.0
1022.2
978.9
922.7
1020.6
755.8
598.6
481.4
357.8
147.6
0.0

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