

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: P853003

Luminaire Tested: **GLAN-SB8A-727-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853003
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-727-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31883 lumens
Efficiency: N/A
Efficacy: 140.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

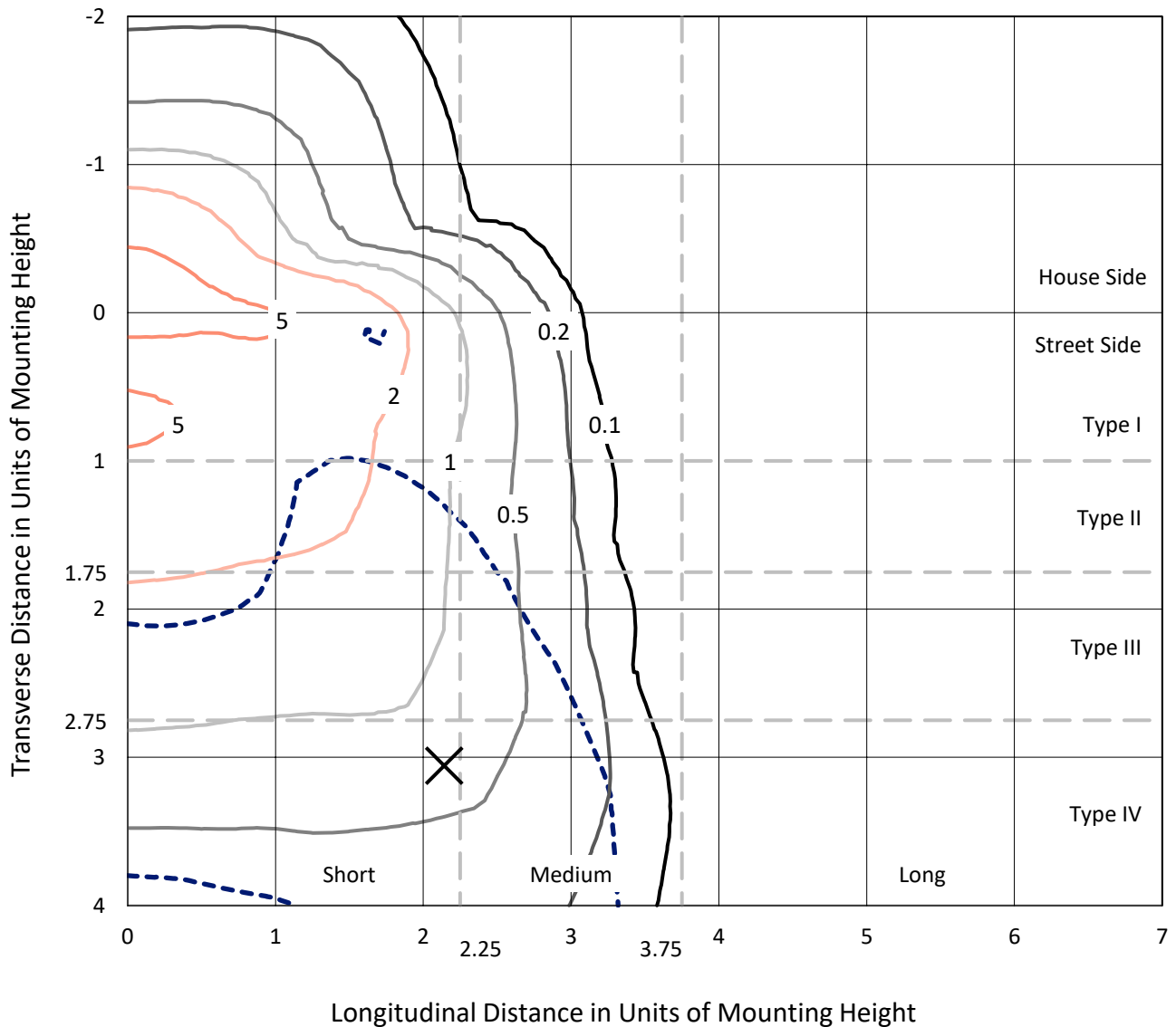
Input Watts (W): 227.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

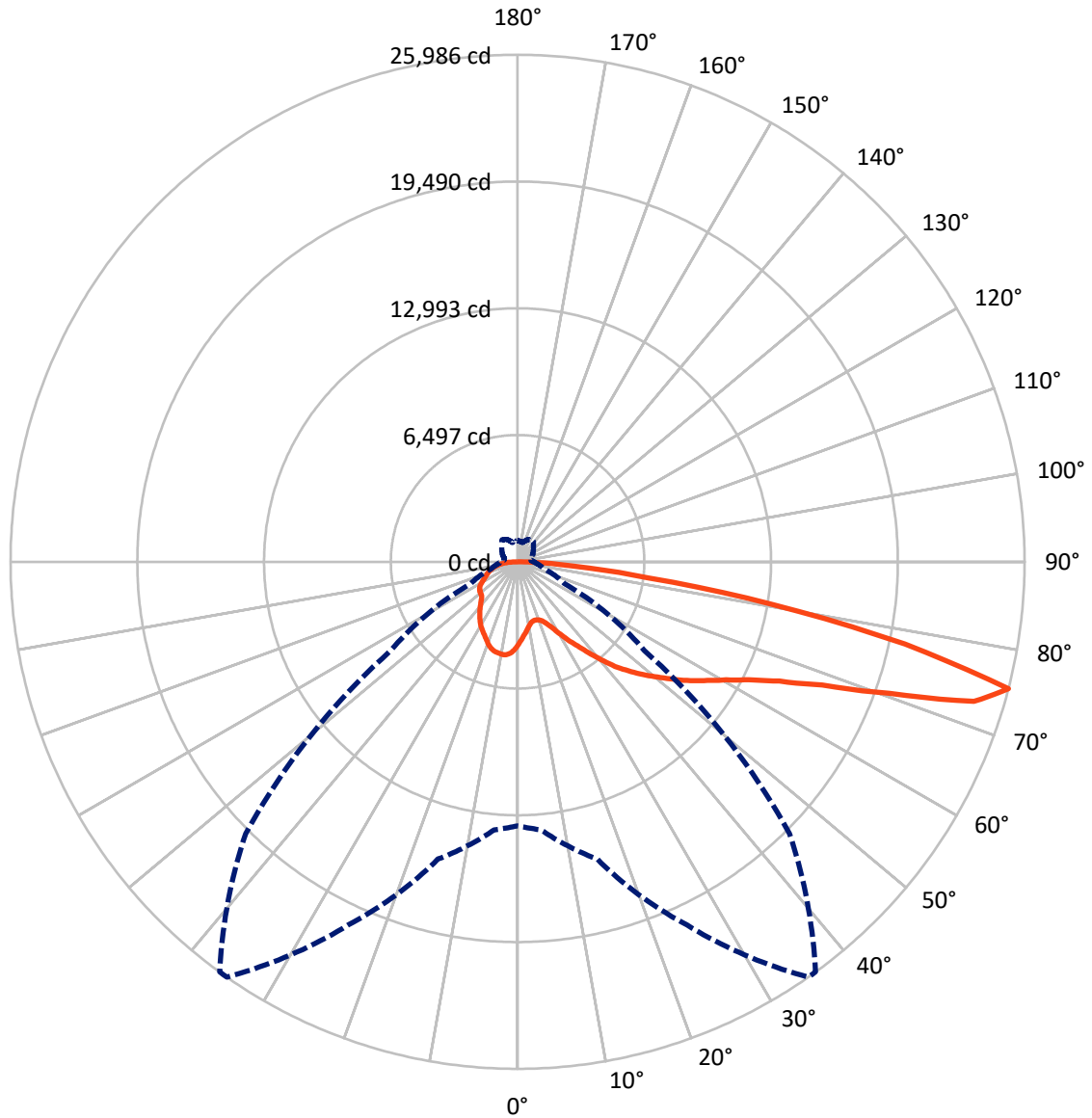
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 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	7587.4	0.0	7587.4
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	24295.6	0.0	24295.6
	% Fixture	76.2	0.0	76.2
Total	Lumens	31883.0	0.0	31883.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	402.3	1.3
10°-20°	1160.3	3.6
20°-30°	1948.4	6.1
30°-40°	3028.1	9.5
40°-50°	4494.6	14.1
50°-60°	6205.0	19.5
60°-70°	7528.1	23.6
70°-80°	6221.4	19.5
80°-90°	894.8	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°	31883.0	100.0
0°-180°	31883.0	100.0

Coefficient of Utilization

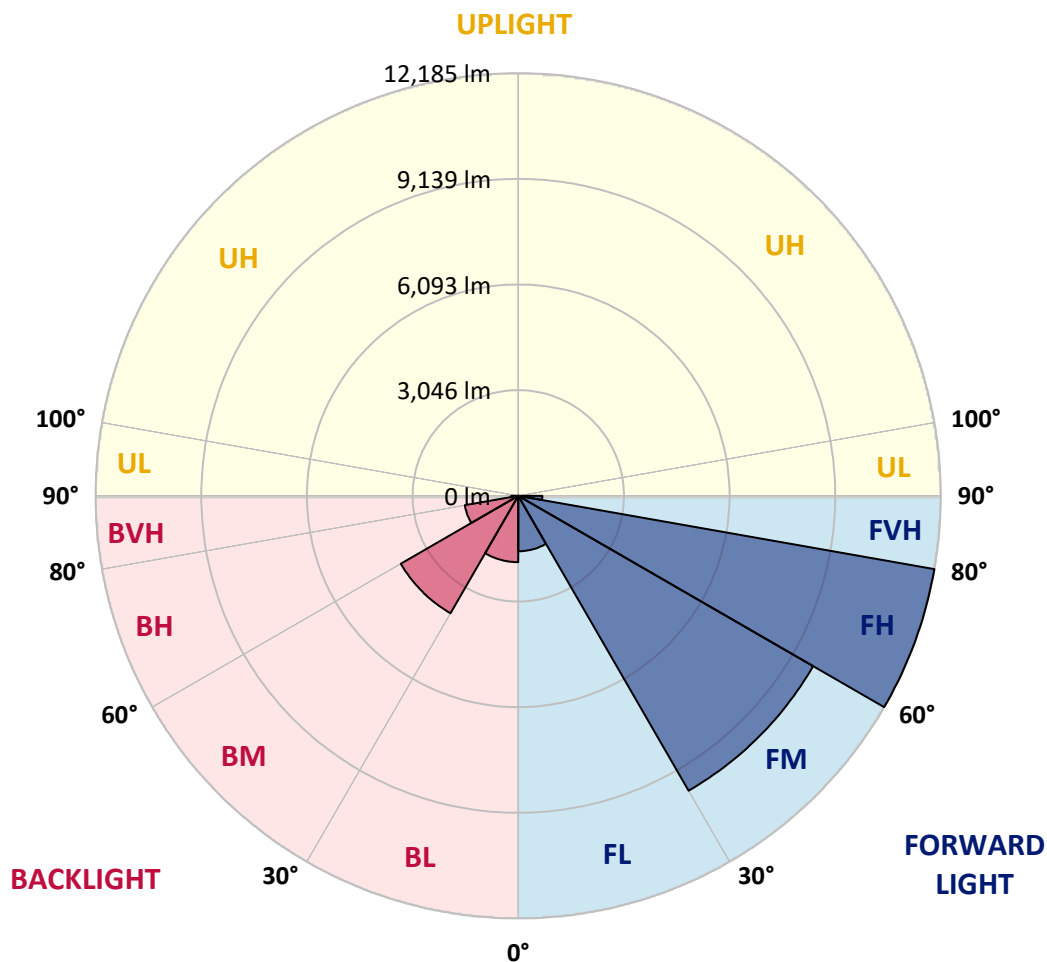


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1598.9	5.0			
FM (30°-60°)	9818.2	30.8			
FH (60°-80°)	12185.2	38.2			G5
FVH (80°-90°)	693.3	2.2			G4/750
BL (0°-30°)	1912.1	6.0	B3/2500		
BM (30°-60°)	3909.5	12.3	B3/5000		
BH (60°-80°)	1564.3	4.9	B3/2500		G3/2500
BVH (80°-90°)	201.5	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-G5
 Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	4248.6	4248.6	4248.6	4248.6	4248.6	4248.6	4248.6	4248.6	4248.6	4248.6
2.5°	3917.7	3941.8	3952.2	3947.0	3972.9	3969.4	4005.6	4050.4	4112.5	4172.8
5°	3616.1	3641.9	3664.3	3685.0	3735.0	3750.5	3807.4	3893.6	4007.3	4122.8
7.5°	3335.1	3357.5	3392.0	3429.9	3514.4	3529.9	3624.7	3759.1	3917.7	4086.6
10°	3105.9	3128.3	3164.5	3207.6	3312.7	3331.7	3452.3	3631.6	3838.4	4052.1
12.5°	3007.6	3014.5	3035.2	3078.3	3169.7	3181.7	3314.4	3519.6	3760.9	4026.3
15°	3002.5	3016.3	3018.0	3040.4	3116.2	3121.4	3243.8	3447.2	3712.6	4021.1
17.5°	3054.2	3064.5	3049.0	3062.8	3126.6	3135.2	3231.7	3412.7	3697.1	4043.5
20°	3192.1	3200.7	3154.2	3135.2	3181.7	3188.6	3283.4	3435.1	3712.6	4090.1
22.5°	3485.1	3490.3	3376.5	3298.9	3302.4	3305.8	3388.6	3526.4	3772.9	4174.5
25°	3941.8	3938.4	3757.4	3607.5	3521.3	3502.3	3557.5	3674.7	3874.6	4286.5
27.5°	4476.1	4450.3	4269.3	4045.2	3857.4	3829.8	3817.7	3867.7	4019.4	4434.8
30°	5079.4	5055.3	4860.5	4567.5	4307.2	4262.4	4148.7	4122.8	4234.8	4636.4
32.5°	5741.2	5725.7	5493.1	5138.0	4789.8	4738.1	4546.8	4477.9	4565.8	4941.5
35°	6296.2	6282.5	6089.4	5724.0	5298.3	5234.5	5039.7	4962.2	5007.0	5332.8
37.5°	6797.8	6790.9	6625.4	6337.6	5898.1	5820.5	5601.6	5575.8	5567.2	5848.1
40°	7263.2	7245.9	7073.6	6921.9	6596.1	6525.5	6332.4	6310.0	6244.5	6482.4
42.5°	7778.5	7733.7	7483.8	7413.1	7325.2	7266.6	7151.1	7154.6	7009.8	7197.7
45°	8199.1	8173.2	7916.4	7875.0	7969.8	7945.7	8045.7	8071.5	7790.6	7947.4
47.5°	8650.6	8626.5	8409.3	8380.0	8636.9	8643.8	8997.1	9005.7	8552.4	8726.5
50°	9207.4	9172.9	8957.4	8993.6	9281.5	9307.3	9953.7	9895.1	9253.9	9517.6
52.5°	9574.5	9595.2	9548.6	9607.2	10000.2	10024.3	10894.8	10744.8	9948.5	10298.4
55°	9845.1	9886.5	10031.2	10165.7	10758.6	10782.7	11782.4	11553.2	10524.2	11022.3
57.5°	10193.3	10134.7	10405.3	10667.2	11479.0	11542.8	12645.9	12332.2	11034.4	11646.2
60°	10693.1	10651.7	10862.0	11249.8	12285.7	12387.4	13559.4	13033.7	11408.4	12140.9
62.5°	11706.6	11603.1	11635.9	11978.9	13302.6	13437.0	14590.1	13645.6	11594.5	12333.9
65°	13221.6	13044.1	12878.6	13116.4	14734.9	14867.6	15753.5	14126.5	11525.6	11959.9
67.5°	15129.6	14953.8	14750.4	14974.5	16844.6	16949.7	17189.3	14397.1	10982.7	10519.0
70°	16703.2	16637.7	16880.7	17802.9	20214.1	20217.6	19030.1	14173.0	9495.2	7457.9
72.5°	16494.7	16455.0	17735.6	20586.4	24461.1	24369.7	20772.6	12477.0	6396.2	3364.4
75°	13531.8	13788.6	15772.5	20536.5	25986.4	25974.4	19705.7	7931.9	2645.7	1394.4
77.5°	7256.3	7663.0	10239.8	15162.3	20286.5	20591.6	13854.1	2775.0	1135.8	892.8
80°	2366.5	2721.5	4081.4	7719.9	13181.9	13125.1	5937.7	1089.3	777.3	632.6
82.5°	1004.8	1046.2	1823.5	3645.4	6765.1	6659.9	1890.8	625.7	546.4	432.6
85°	393.0	439.5	804.9	1685.7	2930.1	2866.3	682.5	310.2	349.9	282.7
87.5°	129.3	156.8	287.8	577.4	911.8	879.0	167.2	106.9	151.7	129.3
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°
4248.6	0°	4248.6	4248.6	4248.6	4248.6	4248.6	4248.6	4248.6	4248.6	4248.6	4248.6
4260.7	2.5°	4284.8	4312.4	4345.1	4393.4	4434.8	4469.2	4505.4	4527.8	4536.5	4562.3
4267.6	5°	4315.8	4376.2	4457.2	4536.5	4614.0	4660.6	4701.9	4722.6	4741.6	4755.4
4286.5	7.5°	4367.6	4445.1	4572.7	4676.1	4741.6	4779.5	4807.1	4800.2	4807.1	4810.5
4307.2	10°	4412.4	4521.0	4672.6	4770.9	4820.9	4822.6	4815.7	4791.6	4779.5	4781.2
4338.3	12.5°	4465.8	4586.4	4750.2	4832.9	4846.7	4808.8	4779.5	4738.1	4722.6	4715.7
4384.8	15°	4538.2	4676.1	4834.6	4865.7	4831.2	4782.9	4733.0	4665.7	4631.3	4603.7
4464.1	17.5°	4626.1	4777.8	4900.1	4877.7	4803.6	4724.3	4643.3	4541.6	4471.0	4441.7
4572.7	20°	4748.5	4884.6	4950.1	4851.9	4739.8	4619.2	4481.3	4357.2	4291.7	4262.4
4710.5	22.5°	4896.7	5027.7	4998.4	4807.1	4648.5	4455.5	4283.1	4191.7	4159.0	4138.3
4888.1	25°	5074.2	5186.3	5032.9	4741.6	4498.5	4238.3	4105.6	4076.3	4060.8	4045.2
5105.2	27.5°	5305.2	5365.5	5058.7	4645.0	4264.1	4007.3	3959.1	3964.2	3959.1	3933.2
5406.9	30°	5610.3	5598.2	5082.8	4488.2	3995.3	3798.8	3802.2	3824.6	3828.1	3810.8
5827.4	32.5°	6011.8	5889.5	5094.9	4284.8	3738.4	3616.1	3619.5	3643.6	3660.9	3631.6
6377.2	35°	6497.9	6229.0	5075.9	4029.7	3540.2	3442.0	3416.1	3423.0	3428.2	3400.6
7044.3	37.5°	7065.0	6609.9	4991.5	3747.1	3376.5	3271.4	3216.2	3169.7	3142.1	3116.2
7799.2	40°	7687.2	7025.3	4836.4	3471.3	3193.8	3090.4	3007.6	2919.7	2826.7	2792.2
8598.9	42.5°	8338.7	7452.8	4648.5	3207.6	2983.5	2899.1	2811.2	2683.6	2544.0	2473.3
9429.7	45°	9014.3	7890.6	4464.1	2947.3	2768.1	2731.9	2630.2	2476.8	2325.1	2235.5
10262.2	47.5°	9676.2	8304.2	4193.5	2685.3	2566.4	2606.1	2526.8	2385.4	2216.5	2075.2
11087.8	50°	10308.7	8692.0	3750.5	2419.9	2402.7	2568.1	2492.3	2288.9	2095.9	1914.9
11897.9	52.5°	10936.1	9005.7	3183.5	2178.6	2314.8	2557.8	2447.5	2223.4	1987.3	1797.7
12659.7	55°	11468.7	9167.7	2637.1	1971.8	2187.2	2469.9	2394.1	2145.9	1833.9	1632.2
13181.9	57.5°	11772.1	9036.7	2182.1	1768.4	2011.4	2325.1	2302.7	1980.4	1651.2	1496.1
13283.6	60°	11641.1	8505.9	1809.8	1590.9	1844.2	2168.3	2144.1	1816.7	1511.6	1365.1
12739.0	62.5°	10918.9	7494.1	1515.0	1435.7	1692.6	2008.0	1985.6	1690.8	1404.7	1263.4
11292.9	65°	9464.2	6096.3	1285.8	1306.5	1539.2	1814.9	1847.7	1585.7	1320.3	1182.4
8736.8	67.5°	7218.4	4415.8	1106.5	1194.4	1389.2	1625.3	1720.1	1509.9	1249.6	1118.6
5055.3	70°	4114.2	2507.8	954.9	1085.9	1256.5	1449.5	1621.9	1449.5	1173.8	1065.2
1894.2	72.5°	1559.8	1151.4	825.6	977.3	1128.9	1301.3	1513.3	1354.7	1085.9	1004.8
979.0	75°	832.5	701.5	694.6	849.7	982.4	1156.5	1377.1	1261.7	1020.4	1061.7
677.4	77.5°	567.1	496.4	580.8	727.4	822.1	996.2	1232.4	1120.3	884.2	880.7
468.8	80°	393.0	351.6	472.3	586.0	636.0	837.7	1075.5	961.8	720.5	672.2
289.6	82.5°	236.1	229.2	353.3	437.8	449.9	646.3	891.1	806.6	589.5	513.6
172.4	85°	129.3	136.2	225.8	256.8	262.0	451.6	698.1	623.9	453.3	380.9
62.0	87.5°	36.2	46.5	82.7	101.7	125.8	234.4	415.4	370.6	227.5	158.6
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>
4248.6
4560.6
4758.8
4815.7
4784.7
4712.3
4612.3
4443.4
4259.0
4141.8
4045.2
3938.4
3819.5
3645.4
3419.6
3133.5
2807.7
2482.0
2228.6
2059.7
1899.4
1777.0
1615.0
1475.4
1344.4
1241.0
1160.0
1097.9
1051.4
991.1
1096.2
811.8
642.9
517.1
384.4
158.6
0.0

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