

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: P851223

Luminaire Tested: **GLAN-SB9A-835-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851223
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-SB9A-835-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33534 lumens
Efficiency: N/A
Efficacy: 131.2 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

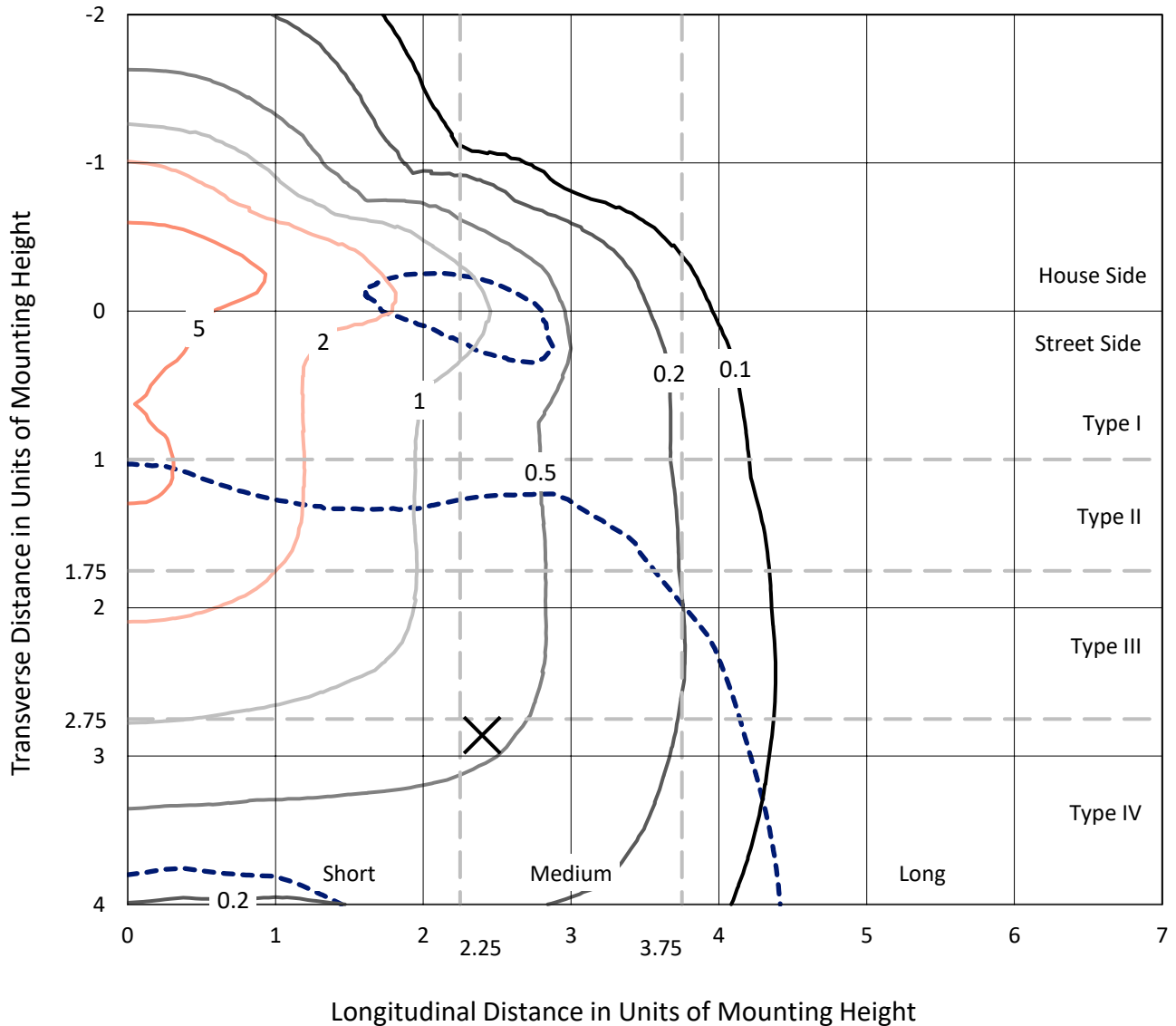
Input Watts (W): 255.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

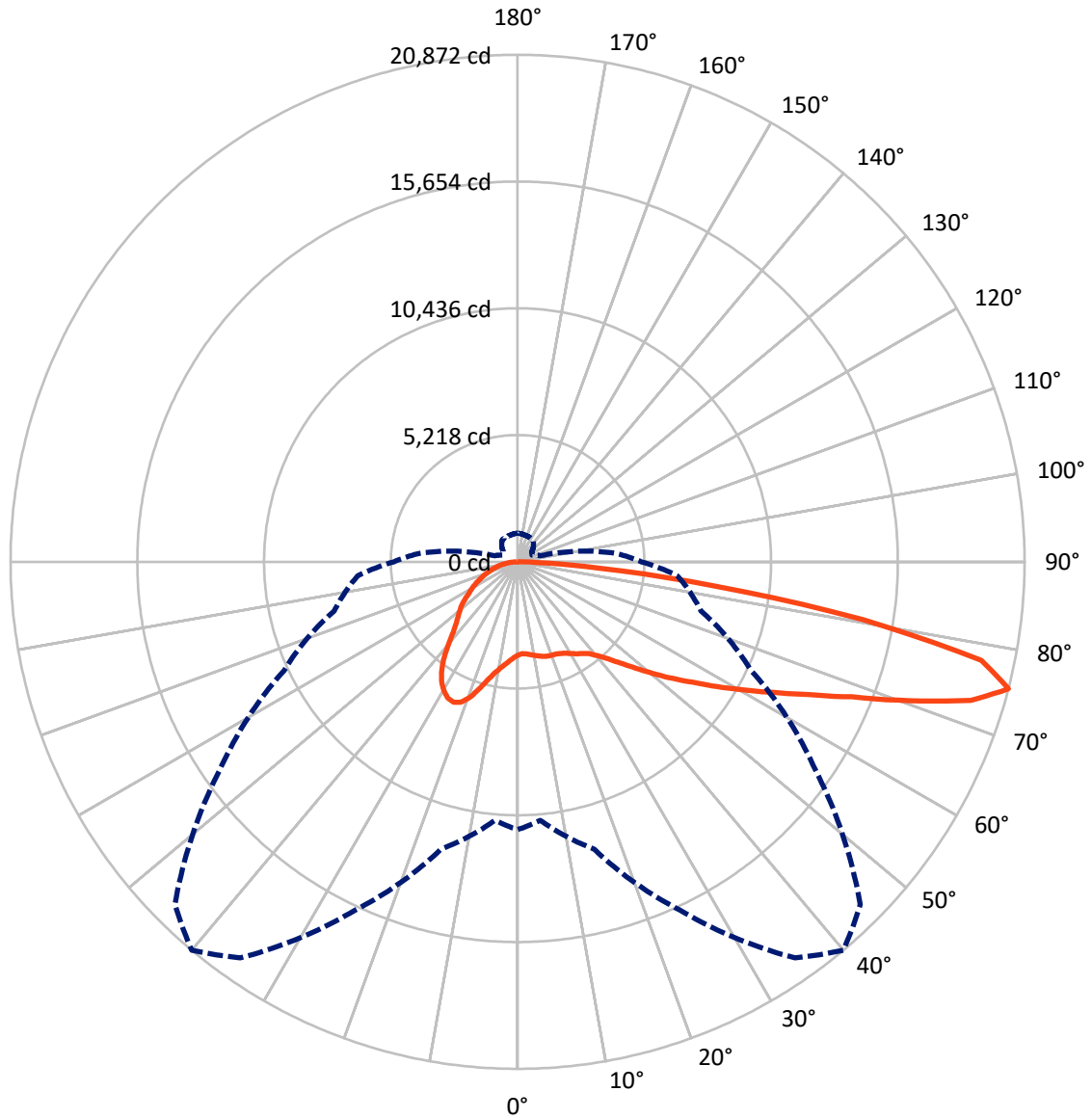
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.9 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	10389.9	0.0	10389.9
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	23144.1	0.0	23144.1
	% Fixture	69.0	0.0	69.0
Total	Lumens	33534.0	0.0	33534.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	382.8	1.1
10°-20°	1285.1	3.8
20°-30°	2346.6	7.0
30°-40°	3328.1	9.9
40°-50°	4493.9	13.4
50°-60°	6045.5	18.0
60°-70°	7673.1	22.9
70°-80°	6963.8	20.8
80°-90°	1015.1	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°	33534.0	100.0
0°-180°	33534.0	100.0

Coefficient of Utilization

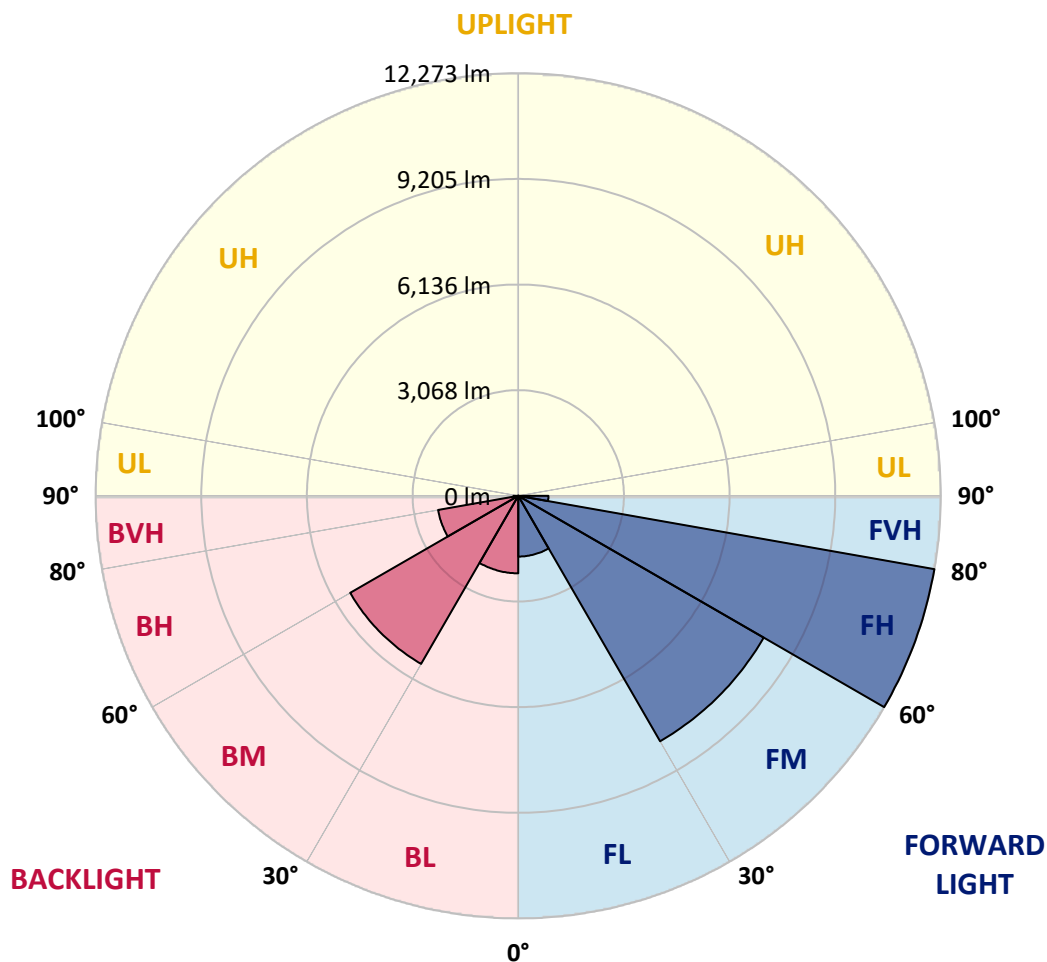


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1763.9	5.3			
FM (30°-60°)	8231.8	24.5			
FH (60°-80°)	12272.9	36.6			G5
FVH (80°-90°)	875.4	2.6			G5
BL (0°-30°)	2250.6	6.7	B3/2500		
BM (30°-60°)	5635.6	16.8	B4/8500		
BH (60°-80°)	2364.0	7.0	B3/2500		G3/2500
BVH (80°-90°)	139.8	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°	3834.7	3834.7	3834.7	3834.7	3834.7	3834.7	3834.7	3834.7	3834.7	3834.7
2.5°	3776.0	3797.3	3792.0	3784.9	3784.9	3786.6	3784.9	3797.3	3809.8	3822.2
5°	3815.1	3836.4	3825.8	3816.9	3809.8	3808.0	3802.6	3800.9	3808.0	3824.0
7.5°	3891.6	3912.9	3896.9	3880.9	3866.7	3859.6	3852.4	3841.8	3836.4	3845.3
10°	3976.9	3998.3	3978.7	3950.3	3927.1	3918.3	3911.1	3900.5	3893.4	3898.7
12.5°	4062.3	4083.7	4057.0	4017.9	3987.6	3982.3	3973.4	3969.8	3968.1	3966.3
15°	4142.4	4160.1	4126.3	4080.1	4048.1	4039.2	4030.3	4035.6	4044.5	4055.2
17.5°	4204.6	4222.4	4172.6	4112.1	4081.9	4078.3	4073.0	4090.8	4115.7	4142.4
20°	4261.5	4279.3	4215.3	4133.5	4097.9	4097.9	4099.7	4137.0	4172.6	4211.7
22.5°	4341.6	4355.8	4277.5	4165.5	4113.9	4117.5	4131.7	4169.0	4213.5	4266.9
25°	4460.7	4471.4	4375.4	4225.9	4167.3	4177.9	4190.4	4208.2	4250.8	4313.1
27.5°	4652.8	4661.7	4535.4	4332.7	4243.7	4261.5	4279.3	4266.9	4286.4	4339.8
30°	4923.2	4928.5	4768.4	4499.9	4373.6	4382.5	4386.0	4334.4	4297.1	4339.8
32.5°	5243.3	5241.5	5051.2	4702.6	4521.2	4512.3	4482.1	4380.7	4293.5	4330.9
35°	5739.5	5720.0	5474.5	4987.2	4688.4	4633.2	4562.1	4432.3	4311.3	4322.0
37.5°	6561.2	6500.8	6161.1	5453.2	4937.4	4796.9	4691.9	4515.9	4350.5	4318.4
40°	7487.9	7411.4	7037.9	6091.7	5310.9	5085.0	4916.0	4635.0	4414.5	4334.4
42.5°	8587.1	8478.6	8076.6	6844.0	5784.0	5456.7	5202.4	4786.2	4508.7	4386.0
45°	9937.0	9793.0	9223.8	7692.4	6379.8	5944.1	5604.4	5015.6	4652.8	4485.6
47.5°	11301.2	11336.8	10527.5	8663.6	7094.8	6545.2	6107.7	5360.7	4862.7	4645.7
50°	12750.8	12775.7	11824.1	9739.6	7905.9	7224.7	6673.3	5746.7	5154.4	4873.4
52.5°	13882.0	13885.5	13001.6	10865.5	8750.7	7971.7	7283.4	6187.7	5492.3	5175.7
55°	14589.8	14580.9	13826.8	11930.8	9721.8	8756.0	7959.2	6689.3	5904.9	5531.4
57.5°	15103.9	15077.2	14396.0	12846.8	10757.0	9682.7	8724.0	7258.5	6392.3	5954.7
60°	15299.5	15283.5	14781.9	13638.3	11845.5	10707.2	9606.2	7895.2	6945.4	6454.5
62.5°	15374.2	15404.4	15160.8	14404.9	13010.4	11841.9	10575.5	8656.4	7567.9	7020.1
65°	15637.4	15692.6	15642.8	15408.0	14326.6	13170.5	11861.5	9561.7	8247.4	7626.6
67.5°	16158.6	16213.7	16235.0	16608.5	15934.5	14826.4	13465.8	10689.4	9042.4	8256.3
70°	16146.1	16130.1	16507.2	17563.7	17947.8	17119.0	15628.5	12076.7	9990.4	8779.2
72.5°	14696.6	14568.5	15459.6	17553.0	19623.3	19513.0	18269.8	13866.0	10808.5	8843.2
75°	11025.5	10684.0	12258.1	15818.9	19902.5	20871.8	19948.8	14975.8	10614.7	7813.4
77.5°	4715.1	4371.8	6226.9	11710.3	17812.7	19511.2	18408.5	13065.6	8473.2	5166.8
80°	1234.3	1232.6	1881.8	5309.1	12114.0	14408.4	12640.5	8437.7	4841.3	1846.2
82.5°	510.5	498.0	691.9	2065.0	5919.2	8085.5	6598.6	3763.5	1748.4	499.8
85°	190.3	188.5	336.2	713.2	2088.1	3334.9	2413.6	962.2	435.8	243.7
87.5°	53.4	51.6	72.9	247.2	508.7	771.9	412.6	158.3	122.7	96.0
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°
3834.7	0°	3834.7	3834.7	3834.7	3834.7	3834.7	3834.7	3834.7	3834.7	3834.7	3834.7
3841.8	2.5°	3847.1	3856.0	3872.0	3884.5	3900.5	3918.3	3943.2	3959.2	3975.2	3985.8
3850.7	5°	3863.1	3882.7	3923.6	3964.5	4012.5	4057.0	4108.6	4145.9	4176.1	4185.0
3882.7	7.5°	3898.7	3930.7	4000.1	4069.4	4145.9	4218.8	4293.5	4357.6	4409.1	4428.7
3939.6	10°	3960.9	4003.6	4101.4	4199.3	4300.7	4412.7	4508.7	4601.2	4674.2	4704.4
4007.2	12.5°	4039.2	4092.6	4220.6	4355.8	4496.3	4651.0	4775.5	4889.4	4980.1	5021.0
4101.4	15°	4140.6	4209.9	4373.6	4555.0	4761.3	4976.5	5134.8	5261.1	5362.5	5412.3
4199.3	17.5°	4250.8	4343.3	4549.7	4823.6	5118.8	5401.6	5586.6	5679.1	5784.0	5832.0
4290.0	20°	4357.6	4471.4	4766.6	5165.0	5558.1	5858.7	6008.1	6033.0	6040.1	6045.5
4375.4	22.5°	4467.8	4620.8	5038.8	5595.5	6017.0	6225.1	6246.4	6139.7	5990.3	5921.0
4458.9	25°	4588.8	4791.5	5394.5	6070.4	6411.8	6436.7	6273.1	6013.4	5730.6	5600.8
4526.5	27.5°	4706.2	4989.0	5821.4	6523.9	6696.4	6477.7	6125.5	5757.3	5415.8	5278.9
4574.6	30°	4823.6	5214.8	6292.7	6920.5	6826.3	6376.3	5892.5	5481.6	5138.4	4994.3
4617.2	32.5°	4942.7	5478.1	6835.2	7206.9	6803.1	6161.1	5602.6	5172.2	4869.8	4718.6
4654.6	35°	5077.9	5801.8	7349.2	7363.4	6648.4	5844.5	5220.2	4802.2	4539.0	4418.0
4699.1	37.5°	5254.0	6212.6	7802.7	7402.5	6378.1	5380.3	4745.3	4364.7	4147.7	4092.6
4764.9	40°	5472.7	6707.1	8149.5	7340.3	5977.9	4816.4	4225.9	3921.8	3799.1	3811.5
4853.8	42.5°	5757.3	7260.2	8393.2	7180.2	5421.2	4234.8	3770.6	3635.5	3694.1	3743.9
4987.2	45°	6127.3	7834.7	8544.4	6908.1	4791.5	3742.2	3502.1	3534.1	3578.5	3583.9
5202.4	47.5°	6600.4	8416.3	8644.0	6497.2	4149.5	3395.3	3331.3	3338.4	3329.5	3292.2
5524.3	50°	7190.9	8981.9	8732.9	5953.0	3603.4	3178.4	3093.0	3068.1	2945.4	2824.4
5953.0	52.5°	7863.2	9501.3	8770.3	5277.1	3178.4	2996.9	2858.2	2701.7	2472.3	2434.9
6491.9	55°	8610.2	9981.5	8674.2	4446.5	2820.9	2763.9	2554.1	2365.5	2340.6	2308.6
7201.5	57.5°	9503.0	10499.1	8478.6	3519.8	2454.5	2491.8	2287.3	2308.6	2264.2	2214.4
8114.0	60°	10479.5	11034.4	8135.3	2675.0	2075.6	2152.1	2217.9	2216.1	2203.7	2162.8
9076.2	62.5°	11358.1	11386.6	7459.4	2048.9	1743.0	1888.9	2068.5	2066.7	2056.1	2032.9
10081.1	65°	11881.0	11333.2	6331.8	1613.2	1469.1	1671.9	1865.7	1880.0	1881.8	1880.0
10837.0	67.5°	11788.5	10708.9	4784.4	1284.1	1243.2	1451.3	1664.8	1684.3	1698.6	1702.1
10933.0	70°	10742.7	9337.6	3119.7	1024.5	1042.3	1257.5	1474.5	1494.0	1506.5	1520.7
9487.0	72.5°	8373.6	6865.4	1785.7	828.8	866.2	1090.3	1285.9	1309.0	1316.2	1342.8
6602.2	75°	5102.8	4037.4	964.0	652.7	711.4	932.0	1099.2	1125.9	1138.3	1170.3
3242.4	77.5°	2426.0	1748.4	549.6	508.7	572.7	761.2	928.4	958.7	924.9	942.7
894.6	80°	819.9	649.2	346.8	387.7	437.5	594.1	743.5	773.7	702.5	699.0
297.0	82.5°	286.4	263.2	220.5	257.9	282.8	425.1	562.0	601.2	522.9	521.1
133.4	85°	112.1	106.7	122.7	140.5	169.0	261.5	369.9	389.5	321.9	259.7
39.1	87.5°	23.1	24.9	30.2	32.0	51.6	90.7	133.4	163.6	129.8	110.3
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

<u>180°</u>
3834.7
3978.7
4188.6
4430.5
4706.2
5021.0
5408.7
5830.2
6059.7
5940.5
5620.4
5294.9
5010.3
4738.2
4444.7
4131.7
3854.2
3790.2
3619.4
3320.6
2840.4
2447.4
2314.0
2205.5
2148.5
2024.0
1880.0
1705.7
1527.8
1353.5
1173.9
928.4
691.9
496.2
256.1
101.4
0.0

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