

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: P850483

Luminaire Tested: **GLAN-SB8A-735-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850483
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-SB8A-735-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 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: 35284 lumens
Efficiency: N/A
Efficacy: 155.4 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

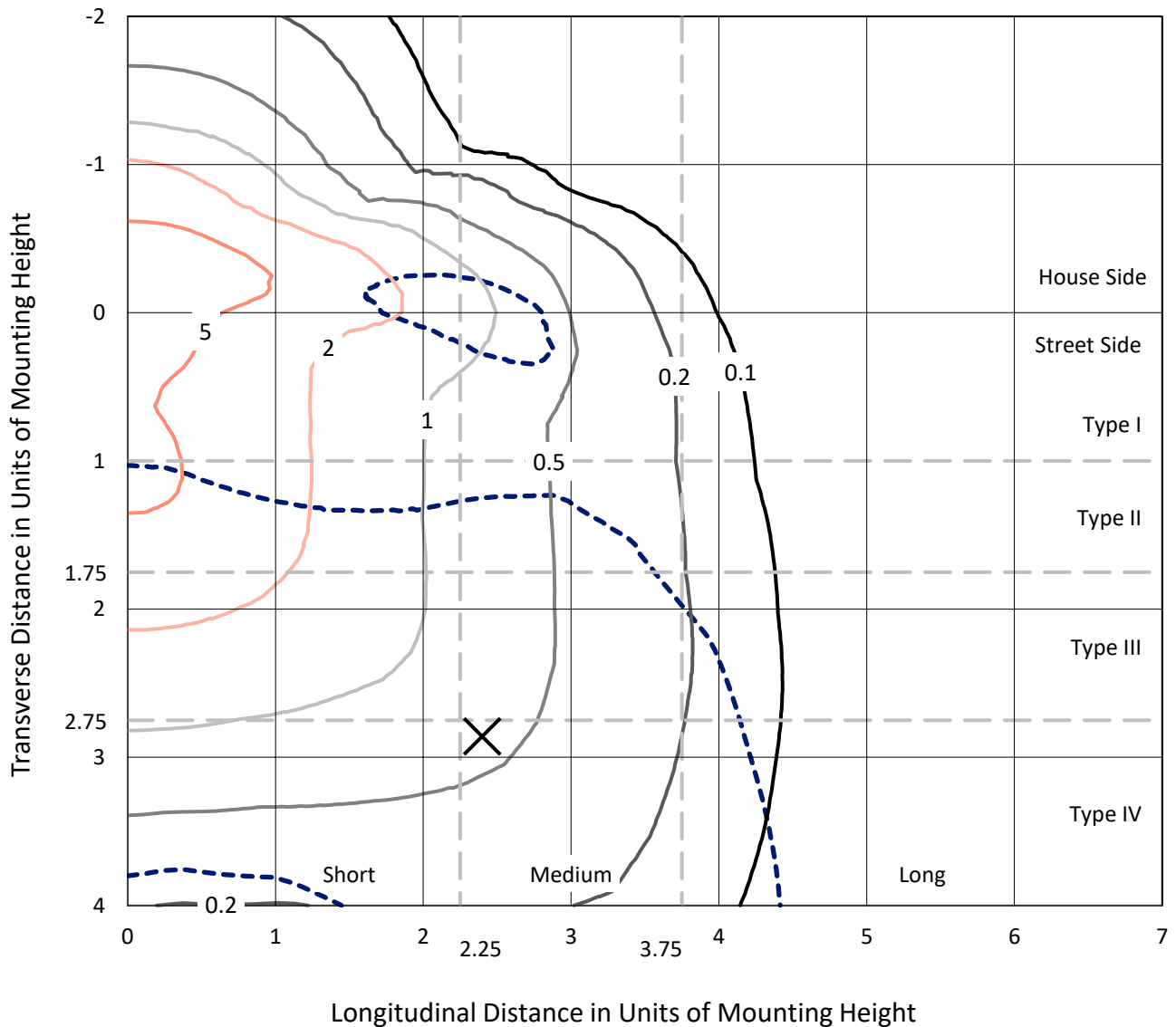
Input Watts (W): 227.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

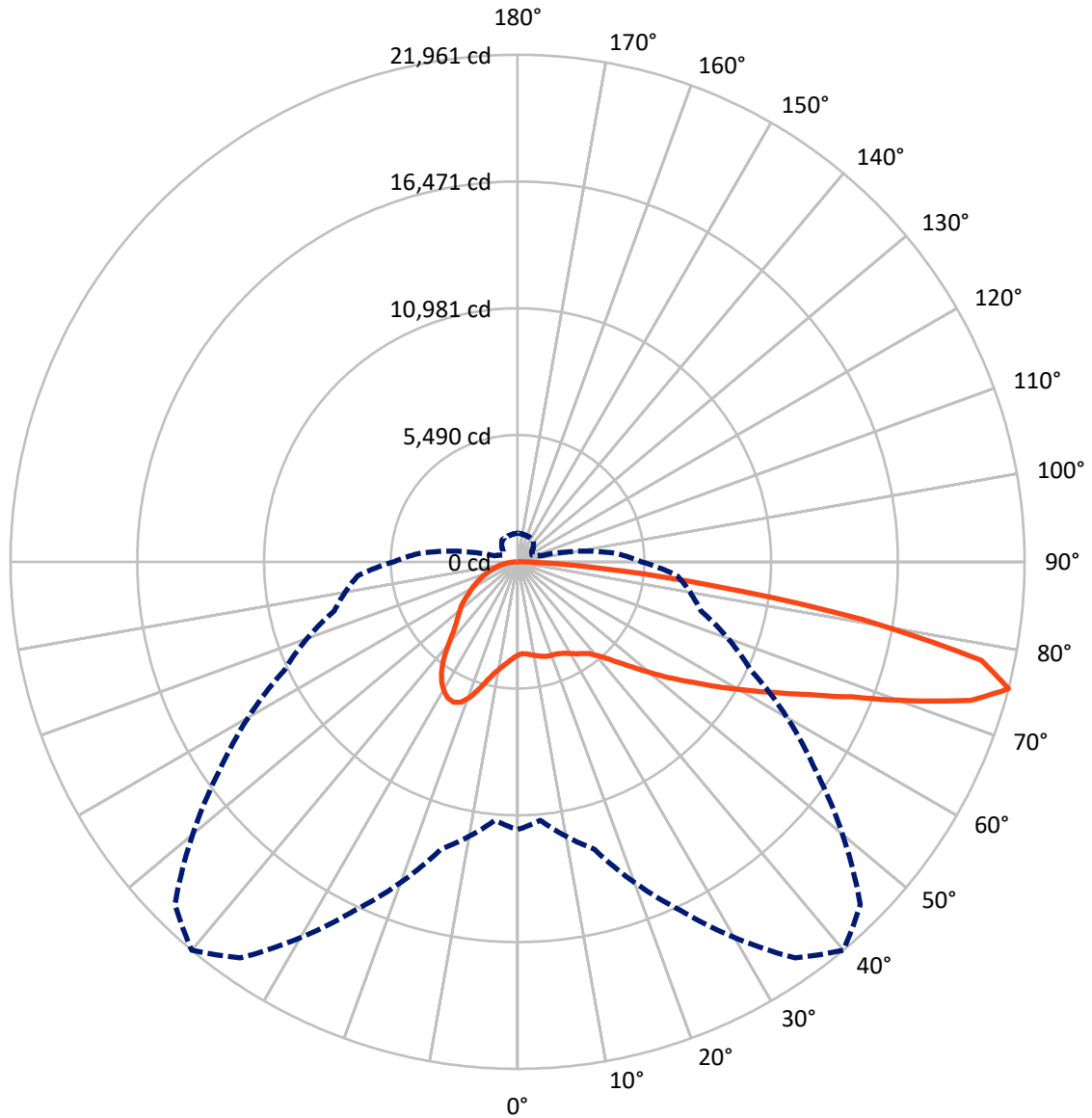
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.3 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	10932.2	0.0	10932.2
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	24351.8	0.0	24351.8
	% Fixture	69.0	0.0	69.0
Total	Lumens	35284.0	0.0	35284.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	402.8	1.1
10°-20°	1352.2	3.8
20°-30°	2469.0	7.0
30°-40°	3501.7	9.9
40°-50°	4728.4	13.4
50°-60°	6361.0	18.0
60°-70°	8073.6	22.9
70°-80°	7327.2	20.8
80°-90°	1068.1	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°	35284.0	100.0
0°-180°	35284.0	100.0

Coefficient of Utilization

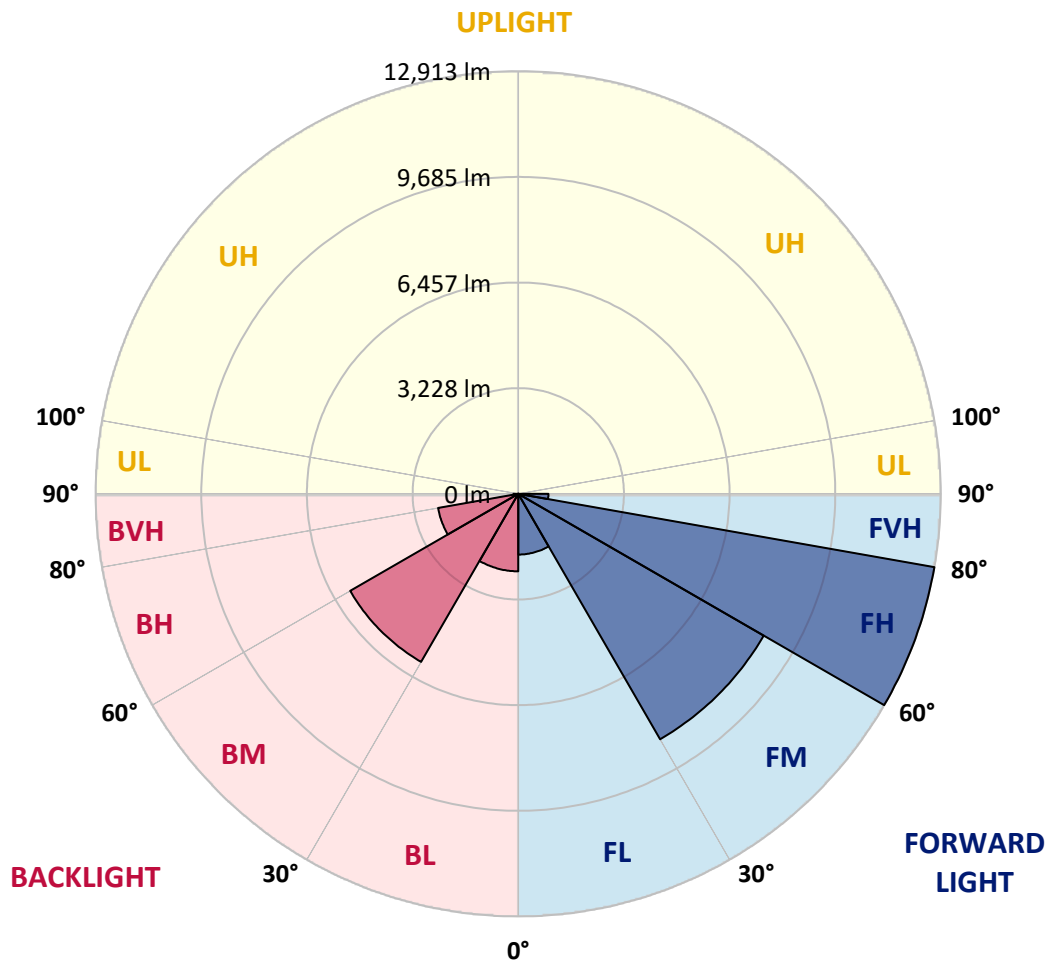


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1856.0	5.3			
FM (30°-60°)	8661.4	24.5			
FH (60°-80°)	12913.4	36.6			G5
FVH (80°-90°)	921.0	2.6			G5
BL (0°-30°)	2368.0	6.7	B3/2500		
BM (30°-60°)	5929.7	16.8	B4/8500		
BH (60°-80°)	2487.4	7.0	B3/2500		G3/2500
BVH (80°-90°)	147.1	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°	4034.8	4034.8	4034.8	4034.8	4034.8	4034.8	4034.8	4034.8	4034.8	4034.8
2.5°	3973.0	3995.5	3989.9	3982.4	3982.4	3984.2	3982.4	3995.5	4008.6	4021.7
5°	4014.2	4036.6	4025.4	4016.1	4008.6	4006.7	4001.1	3999.2	4006.7	4023.5
7.5°	4094.7	4117.1	4100.3	4083.4	4068.5	4061.0	4053.5	4042.3	4036.6	4046.0
10°	4184.5	4206.9	4186.4	4156.4	4132.1	4122.7	4115.2	4104.0	4096.5	4102.1
12.5°	4274.3	4296.8	4268.7	4227.5	4195.7	4190.1	4180.7	4177.0	4175.1	4173.3
15°	4358.5	4377.2	4341.7	4293.0	4259.3	4250.0	4240.6	4246.2	4255.6	4266.8
17.5°	4424.0	4442.7	4390.3	4326.7	4294.9	4291.2	4285.5	4304.3	4330.5	4358.5
20°	4483.9	4502.6	4435.3	4349.2	4311.7	4311.7	4313.6	4352.9	4390.3	4431.5
22.5°	4568.1	4583.1	4500.8	4382.9	4328.6	4332.3	4347.3	4386.6	4433.4	4489.5
25°	4693.5	4704.7	4603.7	4446.5	4384.7	4396.0	4409.1	4427.8	4472.7	4538.2
27.5°	4895.6	4905.0	4772.1	4558.8	4465.2	4483.9	4502.6	4489.5	4510.1	4566.3
30°	5180.1	5185.7	5017.3	4734.7	4601.8	4611.2	4614.9	4560.6	4521.3	4566.3
32.5°	5516.9	5515.1	5314.8	4948.0	4757.1	4747.8	4716.0	4609.3	4517.6	4556.9
35°	6039.1	6018.5	5760.2	5247.4	4933.1	4875.0	4800.2	4663.6	4536.3	4547.5
37.5°	6903.7	6840.0	6482.6	5737.8	5195.1	5047.2	4936.8	4751.5	4577.5	4543.8
40°	7878.7	7798.2	7405.2	6409.6	5588.0	5350.4	5172.6	4876.9	4644.9	4560.6
42.5°	9035.2	8921.0	8498.1	7201.2	6085.8	5741.5	5473.9	5036.0	4744.0	4614.9
45°	10455.6	10304.0	9705.2	8093.9	6712.8	6254.3	5896.8	5277.4	4895.6	4719.7
47.5°	11891.0	11928.4	11076.9	9115.7	7465.1	6886.8	6426.4	5640.4	5116.5	4888.1
50°	13416.2	13442.4	12441.2	10247.9	8318.4	7601.7	7021.6	6046.5	5423.4	5127.7
52.5°	14606.4	14610.1	13680.0	11432.5	9207.4	8387.7	7663.4	6510.7	5778.9	5445.8
55°	15351.2	15341.9	14548.4	12553.5	10229.2	9213.0	8374.6	7038.4	6213.1	5820.1
57.5°	15892.1	15864.0	15147.2	13517.2	11318.3	10188.0	9179.3	7637.2	6725.9	6265.5
60°	16097.9	16081.1	15553.3	14350.0	12463.6	11265.9	10107.5	8307.2	7307.9	6791.4
62.5°	16176.5	16208.3	15951.9	15156.6	13689.4	12459.9	11127.4	9108.2	7962.9	7386.5
65°	16453.5	16511.5	16459.1	16212.1	15074.3	13857.8	12480.5	10060.7	8677.8	8024.6
67.5°	17001.8	17059.8	17082.3	17475.3	16766.0	15600.1	14168.5	11247.2	9514.3	8687.1
70°	16988.7	16971.9	17368.6	18480.2	18884.5	18012.4	16444.1	12706.9	10511.7	9237.3
72.5°	15463.5	15328.8	16266.3	18469.0	20647.3	20531.3	19223.2	14589.6	11372.6	9304.7
75°	11600.9	11241.6	12897.8	16644.4	20941.1	21961.1	20989.8	15757.3	11168.6	8221.1
77.5°	4961.1	4599.9	6551.8	12321.4	18742.2	20529.4	19369.2	13747.4	8915.4	5436.5
80°	1298.8	1296.9	1980.0	5586.2	12746.2	15160.3	13300.2	8878.0	5094.0	1942.5
82.5°	537.1	524.0	728.0	2172.7	6228.1	8507.5	6943.0	3959.9	1839.6	525.9
85°	200.2	198.4	353.7	750.4	2197.0	3508.9	2539.5	1012.4	458.5	256.4
87.5°	56.1	54.3	76.7	260.1	535.2	812.2	434.2	166.6	129.1	101.1
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°
4034.8	0°	4034.8	4034.8	4034.8	4034.8	4034.8	4034.8	4034.8	4034.8	4034.8	4034.8
4042.3	2.5°	4047.9	4057.2	4074.1	4087.2	4104.0	4122.7	4148.9	4165.8	4182.6	4193.8
4051.6	5°	4064.7	4085.3	4128.3	4171.4	4221.9	4268.7	4323.0	4362.3	4394.1	4403.4
4085.3	7.5°	4102.1	4135.8	4208.8	4281.8	4362.3	4439.0	4517.6	4585.0	4639.2	4659.8
4145.2	10°	4167.6	4212.6	4315.5	4418.4	4525.1	4643.0	4744.0	4841.4	4918.1	4949.9
4216.3	12.5°	4250.0	4306.1	4440.9	4583.1	4730.9	4893.8	5024.8	5144.5	5240.0	5283.0
4315.5	15°	4356.7	4429.6	4601.8	4792.7	5009.8	5236.2	5402.8	5535.6	5642.3	5694.7
4418.4	17.5°	4472.7	4570.0	4787.1	5075.3	5385.9	5683.5	5878.1	5975.4	6085.8	6136.4
4513.9	20°	4585.0	4704.7	5015.4	5434.6	5848.2	6164.4	6321.6	6347.8	6355.3	6360.9
4603.7	22.5°	4701.0	4861.9	5301.7	5887.5	6331.0	6550.0	6572.4	6460.1	6302.9	6229.9
4691.6	25°	4828.3	5041.6	5676.0	6387.1	6746.5	6772.7	6600.5	6327.3	6029.7	5893.1
4762.8	27.5°	4951.8	5249.3	6125.1	6864.4	7045.9	6815.7	6445.2	6057.8	5698.5	5554.4
4813.3	30°	5075.3	5487.0	6621.1	7281.7	7182.5	6709.0	6200.0	5767.7	5406.5	5254.9
4858.2	32.5°	5200.7	5764.0	7191.9	7583.0	7158.2	6482.6	5895.0	5442.1	5123.9	4964.9
4897.5	35°	5342.9	6104.6	7732.7	7747.7	6995.4	6149.5	5492.6	5052.8	4775.9	4648.6
4944.3	37.5°	5528.2	6536.9	8209.9	7788.8	6710.9	5661.0	4992.9	4592.5	4364.1	4306.1
5013.5	40°	5758.3	7057.1	8574.8	7723.3	6289.8	5067.8	4446.5	4126.5	3997.3	4010.4
5107.1	42.5°	6057.8	7639.1	8831.2	7554.9	5704.1	4455.8	3967.4	3825.2	3886.9	3939.3
5247.4	45°	6447.0	8243.6	8990.3	7268.6	5041.6	3937.5	3684.8	3718.5	3765.3	3770.9
5473.9	47.5°	6944.8	8855.5	9095.1	6836.3	4366.0	3572.5	3505.2	3512.6	3503.3	3464.0
5812.6	50°	7566.1	9450.6	9188.7	6263.6	3791.5	3344.2	3254.4	3228.2	3099.1	2971.8
6263.6	52.5°	8273.5	9997.1	9228.0	5552.5	3344.2	3153.3	3007.4	2842.7	2601.3	2562.0
6830.7	55°	9059.5	10502.4	9126.9	4678.5	2968.1	2908.2	2687.4	2489.0	2462.8	2429.1
7577.4	57.5°	9999.0	11047.0	8921.0	3703.5	2582.6	2621.9	2406.6	2429.1	2382.3	2329.9
8537.4	60°	11026.4	11610.3	8559.9	2814.6	2183.9	2264.4	2333.7	2331.8	2318.7	2275.6
9549.8	62.5°	11950.9	11980.8	7848.7	2155.9	1834.0	1987.4	2176.5	2174.6	2163.4	2139.0
10607.2	65°	12501.1	11924.7	6662.2	1697.4	1545.8	1759.1	1963.1	1978.1	1980.0	1978.1
11402.5	67.5°	12403.7	11267.8	5034.1	1351.2	1308.1	1527.1	1751.6	1772.2	1787.2	1790.9
11503.6	70°	11303.4	9824.9	3282.5	1077.9	1096.6	1323.1	1551.4	1572.0	1585.1	1600.1
9982.1	72.5°	8810.6	7223.7	1878.9	872.1	911.4	1147.2	1353.0	1377.4	1384.8	1412.9
6946.7	75°	5369.1	4248.1	1014.3	686.8	748.6	980.6	1156.5	1184.6	1197.7	1231.4
3411.6	77.5°	2552.6	1839.6	578.3	535.2	602.6	801.0	976.9	1008.7	973.1	991.9
941.3	80°	862.7	683.1	364.9	408.0	460.4	625.1	782.3	814.1	739.2	735.5
312.5	82.5°	301.3	277.0	232.1	271.4	297.6	447.3	591.4	632.5	550.2	548.3
140.4	85°	117.9	112.3	129.1	147.8	177.8	275.1	389.3	409.8	338.7	273.2
41.2	87.5°	24.3	26.2	31.8	33.7	54.3	95.4	140.4	172.2	136.6	116.0
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>
4034.8
4186.4
4407.2
4661.7
4951.8
5283.0
5691.0
6134.5
6375.9
6250.5
5913.7
5571.2
5271.8
4985.5
4676.7
4347.3
4055.4
3988.0
3808.3
3493.9
2988.7
2575.1
2434.7
2320.6
2260.7
2129.7
1978.1
1794.7
1607.5
1424.1
1235.1
976.9
728.0
522.1
269.5
106.7
0.0

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