

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: P853197

Luminaire Tested: **GLAN-SB9B-930-U-T4FT**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P853197  
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-SB9B-930-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 90 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

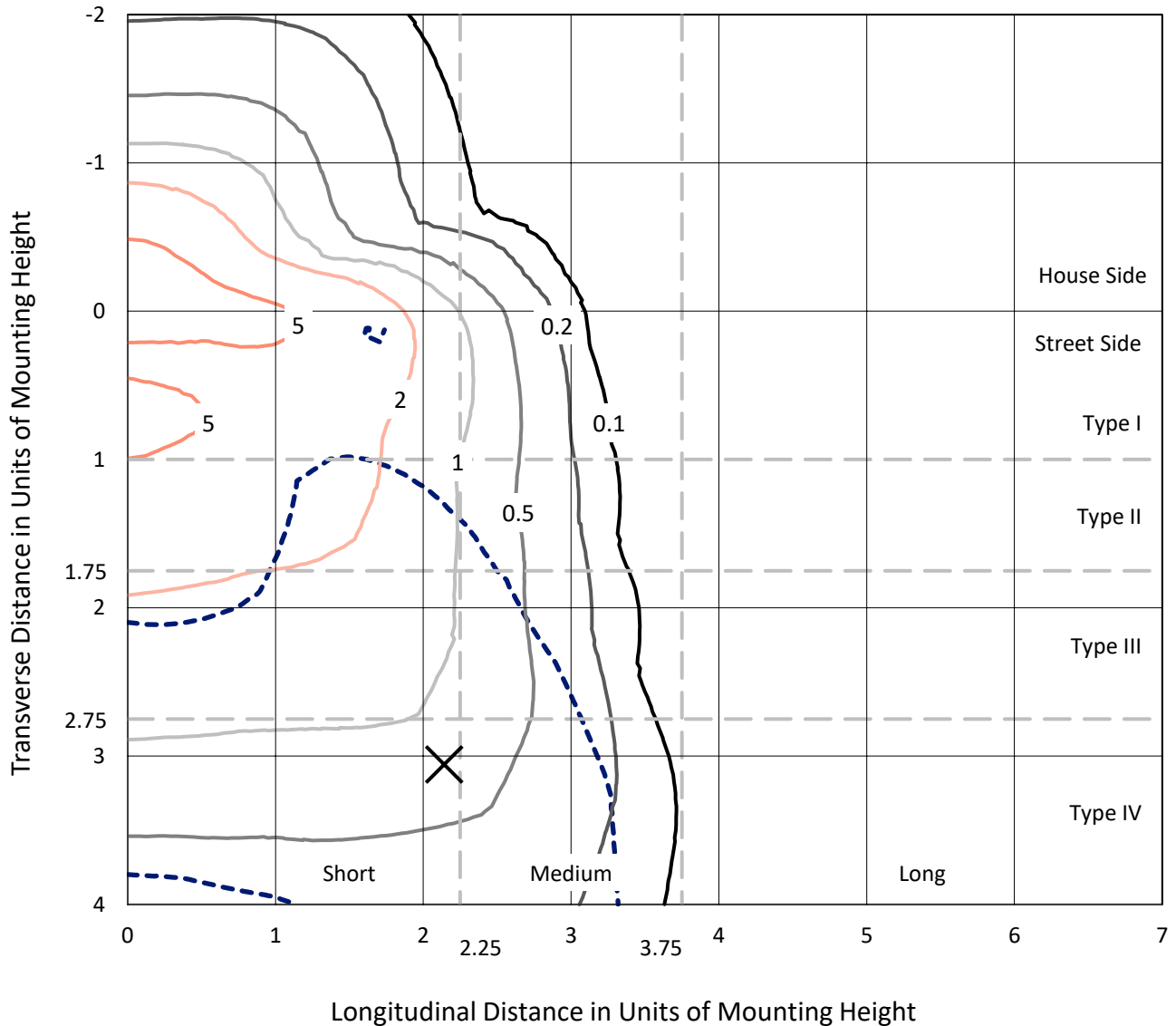
Lumens per Lamp: N/A  
Luminaire Lumens: 34200 lumens  
Efficiency: N/A  
Efficacy: 103.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5  
  
Input Watts (W): 329.5  
Input Voltage (V): NR  
Input Current (Ain): 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

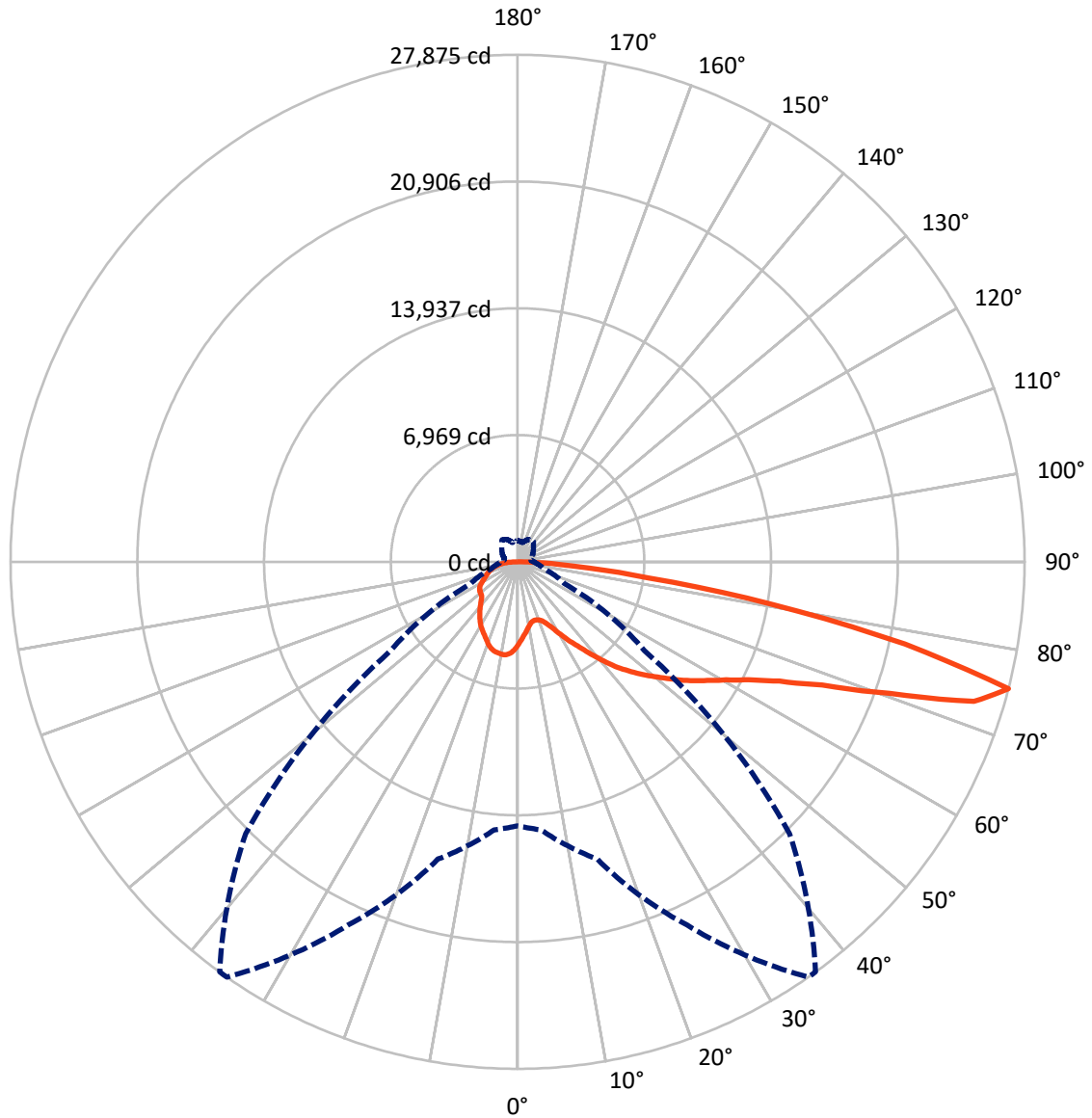
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.1 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
<b>House Side</b>	Lumens	8138.8	0.0	8138.8
	% Fixture	23.8	0.0	23.8
<b>Street Side</b>	Lumens	26061.2	0.0	26061.2
	% Fixture	76.2	0.0	76.2
<b>Total</b>	Lumens	34200.0	0.0	34200.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	431.5	1.3
10°-20°	1244.6	3.6
20°-30°	2090.0	6.1
30°-40°	3248.2	9.5
40°-50°	4821.2	14.1
50°-60°	6655.9	19.5
60°-70°	8075.2	23.6
70°-80°	6673.5	19.5
80°-90°	959.9	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°	34200.0	100.0
0°-180°	34200.0	100.0

**Coefficient of Utilization**

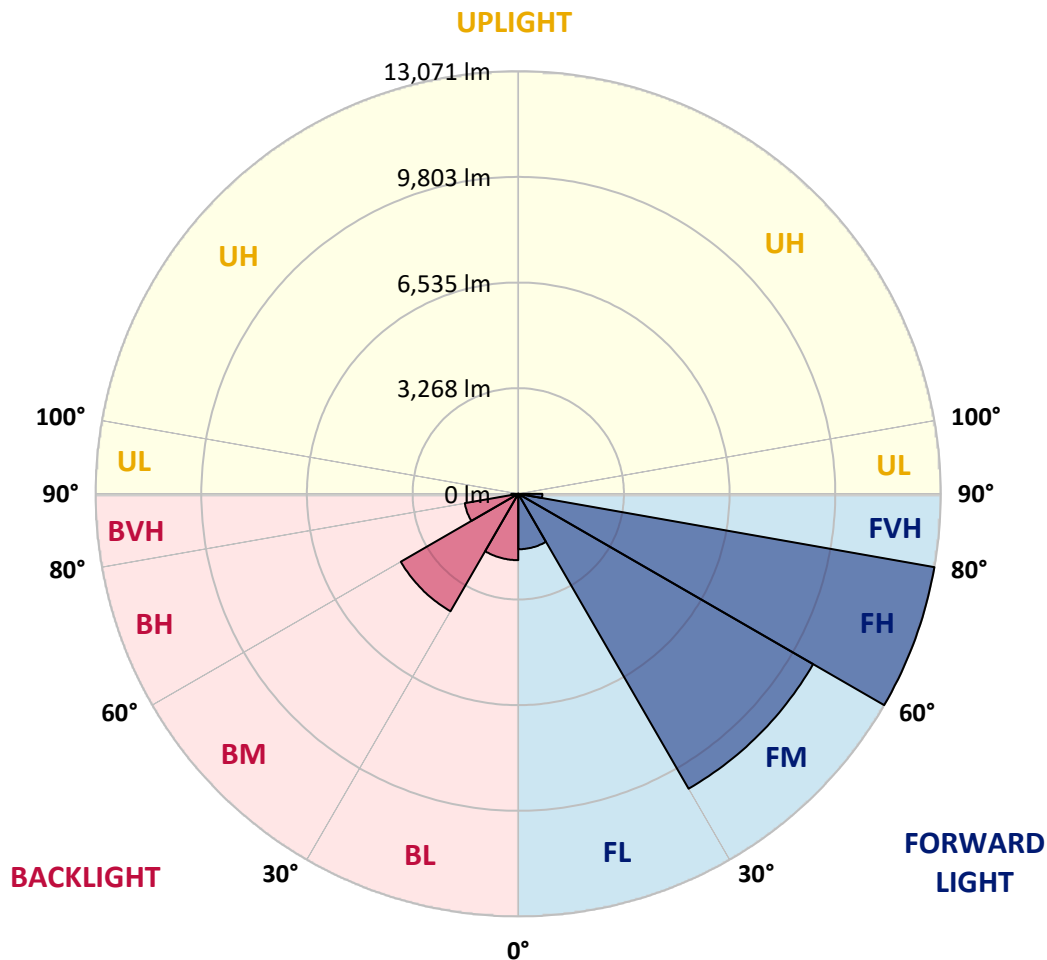


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1715.1	5.0			
FM (30°-60°)	10531.7	30.8			
FH (60°-80°)	13070.7	38.2			G5
FVH (80°-90°)	743.7	2.2			G4/750
BL (0°-30°)	2051.1	6.0	B3/2500		
BM (30°-60°)	4193.6	12.3	B3/5000		
BH (60°-80°)	1678.0	4.9	B3/2500		G3/2500
BVH (80°-90°)	216.1	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°	4557.4	4557.4	4557.4	4557.4	4557.4	4557.4	4557.4	4557.4	4557.4	4557.4
2.5°	4202.4	4228.3	4239.4	4233.8	4261.6	4257.9	4296.7	4344.8	4411.3	4476.0
5°	3878.9	3906.6	3930.6	3952.8	4006.4	4023.1	4084.1	4176.5	4298.5	4422.4
7.5°	3577.5	3601.5	3638.5	3679.2	3769.8	3786.4	3888.1	4032.3	4202.4	4383.6
10°	3331.6	3355.6	3394.5	3440.7	3553.5	3573.8	3703.2	3895.5	4117.4	4346.6
12.5°	3226.2	3233.6	3255.8	3302.0	3400.0	3413.0	3555.3	3775.3	4034.2	4318.9
15°	3220.7	3235.5	3237.3	3261.3	3342.7	3348.2	3479.5	3697.7	3982.4	4313.3
17.5°	3276.1	3287.2	3270.6	3285.4	3353.8	3363.0	3466.6	3660.7	3965.8	4337.4
20°	3424.0	3433.3	3383.4	3363.0	3413.0	3420.3	3522.0	3684.7	3982.4	4387.3
22.5°	3738.3	3743.9	3621.9	3538.7	3542.4	3546.1	3634.8	3782.7	4047.1	4477.9
25°	4228.3	4224.6	4030.5	3869.6	3777.2	3756.8	3816.0	3941.7	4156.2	4598.1
27.5°	4801.4	4773.7	4579.6	4339.2	4137.7	4108.1	4095.2	4148.8	4311.5	4757.1
30°	5448.5	5422.6	5213.7	4899.4	4620.2	4572.2	4450.1	4422.4	4542.6	4973.4
32.5°	6158.5	6141.8	5892.2	5511.4	5137.9	5082.5	4877.2	4803.3	4897.6	5300.6
35°	6753.8	6739.0	6531.9	6140.0	5683.3	5614.9	5406.0	5322.8	5370.9	5720.3
37.5°	7291.8	7284.4	7106.9	6798.2	6326.7	6243.5	6008.7	5981.0	5971.7	6273.1
40°	7791.0	7772.5	7587.6	7424.9	7075.5	6999.7	6792.6	6768.6	6698.3	6953.5
42.5°	8343.8	8295.7	8027.6	7951.8	7857.6	7794.7	7670.8	7674.5	7519.2	7720.7
45°	8794.9	8767.2	8491.7	8447.3	8549.0	8523.1	8630.4	8658.1	8356.7	8525.0
47.5°	9279.3	9253.4	9020.5	8989.0	9264.5	9271.9	9650.9	9660.2	9173.9	9360.7
50°	9876.5	9839.5	9608.4	9647.2	9956.0	9983.7	10677.0	10614.2	9926.4	10209.3
52.5°	10270.3	10292.5	10242.6	10305.4	10726.9	10752.8	11686.5	11525.6	10671.5	11046.8
55°	10560.6	10604.9	10760.2	10904.4	11540.4	11566.3	12638.6	12392.7	11289.0	11823.3
57.5°	10934.0	10871.2	11161.4	11442.4	12313.2	12381.7	13564.9	13228.4	11836.2	12492.6
60°	11470.2	11425.8	11651.4	12067.4	13178.5	13287.6	14544.8	13980.9	12237.4	13023.2
62.5°	12557.3	12446.4	12481.5	12849.4	14269.3	14413.5	15650.4	14637.2	12437.1	13230.3
65°	14182.4	13992.0	13814.5	14069.6	15805.7	15948.1	16898.4	15153.1	12363.2	12829.1
67.5°	16229.1	16040.5	15822.3	16062.7	18068.7	18181.5	18438.4	15443.3	11780.8	11283.4
70°	17917.1	17846.8	18107.5	19096.6	21683.2	21686.8	20413.0	15203.0	10185.2	7999.9
72.5°	17693.4	17650.8	19024.5	22082.5	26238.7	26140.7	22282.2	13383.7	6861.0	3608.9
75°	14515.2	14790.7	16918.7	22028.9	27874.9	27862.0	21137.7	8508.3	2838.0	1495.7
77.5°	7783.6	8219.9	10983.9	16264.2	21760.8	22088.0	14860.9	2976.6	1218.4	957.7
80°	2538.5	2919.3	4378.0	8280.9	14139.9	14078.9	6369.2	1168.5	833.8	678.5
82.5°	1077.9	1122.2	1956.1	3910.3	7256.7	7143.9	2028.2	671.1	586.1	464.1
85°	421.5	471.5	863.4	1808.2	3143.0	3074.6	732.1	332.8	375.3	303.2
87.5°	138.7	168.2	308.8	619.4	978.0	942.9	179.3	114.6	162.7	138.7
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°
4557.4	0°	4557.4	4557.4	4557.4	4557.4	4557.4	4557.4	4557.4	4557.4	4557.4	4557.4
4570.3	2.5°	4596.2	4625.8	4660.9	4712.7	4757.1	4794.0	4832.9	4856.9	4866.1	4893.9
4577.7	5°	4629.5	4694.2	4781.1	4866.1	4949.3	4999.3	5043.6	5065.8	5086.1	5100.9
4598.1	7.5°	4685.0	4768.1	4905.0	5015.9	5086.1	5126.8	5156.4	5149.0	5156.4	5160.1
4620.2	10°	4733.0	4849.5	5012.2	5117.6	5171.2	5173.0	5165.6	5139.8	5126.8	5128.7
4653.5	12.5°	4790.3	4919.8	5095.4	5184.1	5198.9	5158.3	5126.8	5082.5	5065.8	5058.4
4703.4	15°	4868.0	5015.9	5186.0	5219.3	5182.3	5130.5	5076.9	5004.8	4967.8	4938.2
4788.5	17.5°	4962.3	5125.0	5256.2	5232.2	5152.7	5067.7	4980.8	4871.7	4795.9	4764.5
4905.0	20°	5093.5	5239.6	5309.9	5204.5	5084.3	4954.9	4807.0	4673.9	4603.6	4572.2
5052.9	22.5°	5252.5	5393.1	5361.6	5156.4	4986.3	4779.2	4594.4	4496.4	4461.2	4439.1
5243.3	25°	5443.0	5563.1	5398.6	5086.1	4825.5	4546.3	4403.9	4372.5	4355.9	4339.2
5476.3	27.5°	5690.7	5755.4	5426.3	4982.6	4574.0	4298.5	4246.8	4252.3	4246.8	4219.0
5799.8	30°	6018.0	6005.0	5452.2	4814.4	4285.6	4074.8	4078.5	4102.6	4106.3	4087.8
6250.9	32.5°	6448.7	6317.5	5465.2	4596.2	4010.1	3878.9	3882.6	3908.4	3926.9	3895.5
6840.7	35°	6970.1	6681.7	5444.8	4322.6	3797.5	3692.1	3664.4	3671.8	3677.3	3647.8
7556.2	37.5°	7578.4	7090.3	5354.2	4019.4	3621.9	3509.1	3449.9	3400.0	3370.4	3342.7
8366.0	40°	8245.8	7535.9	5187.8	3723.6	3425.9	3315.0	3226.2	3131.9	3032.1	2995.1
9223.8	42.5°	8944.7	7994.4	4986.3	3440.7	3200.3	3109.7	3015.5	2878.6	2728.9	2653.1
10115.0	45°	9669.4	8464.0	4788.5	3161.5	2969.2	2930.4	2821.3	2656.8	2494.1	2397.9
11008.0	47.5°	10379.4	8907.7	4498.2	2880.5	2752.9	2795.4	2710.4	2558.8	2377.6	2226.0
11893.6	50°	11057.9	9323.7	4023.1	2595.8	2577.3	2754.8	2673.4	2455.3	2248.2	2054.1
12762.5	52.5°	11730.9	9660.2	3414.8	2336.9	2483.0	2743.7	2625.3	2385.0	2131.7	1928.3
13579.7	55°	12302.2	9834.0	2828.7	2115.1	2346.2	2649.4	2568.0	2301.8	1967.2	1750.8
14139.9	57.5°	12627.6	9693.4	2340.6	1896.9	2157.6	2494.1	2470.0	2124.3	1771.2	1604.8
14249.0	60°	12487.0	9124.0	1941.3	1706.5	1978.3	2325.8	2300.0	1948.7	1621.4	1464.3
13664.7	62.5°	11712.4	8038.7	1625.1	1540.1	1815.6	2153.9	2129.9	1813.7	1506.8	1355.2
12113.6	65°	10152.0	6539.3	1379.2	1401.4	1651.0	1946.8	1982.0	1700.9	1416.2	1268.3
9371.8	67.5°	7742.9	4736.7	1187.0	1281.2	1490.2	1743.5	1845.1	1619.6	1340.4	1199.9
5422.6	70°	4413.2	2690.1	1024.3	1164.8	1347.8	1554.9	1739.8	1554.9	1259.1	1142.6
2031.9	72.5°	1673.2	1235.0	885.6	1048.3	1211.0	1395.9	1623.3	1453.2	1164.8	1077.9
1050.1	75°	893.0	752.5	745.1	911.5	1053.8	1240.6	1477.2	1353.3	1094.5	1138.9
726.6	77.5°	608.3	532.5	623.1	780.2	881.9	1068.6	1321.9	1201.7	948.5	944.8
502.9	80°	421.5	377.2	506.6	628.6	682.2	898.5	1153.7	1031.7	772.8	721.0
310.6	82.5°	253.3	245.9	379.0	469.6	482.5	693.3	955.8	865.3	632.3	551.0
184.9	85°	138.7	146.1	242.2	275.5	281.0	484.4	748.8	669.3	486.2	408.6
66.6	87.5°	38.8	49.9	88.7	109.1	135.0	251.4	445.6	397.5	244.0	170.1
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°
4557.4
4892.0
5104.6
5165.6
5132.4
5054.7
4947.5
4766.3
4568.5
4442.8
4339.2
4224.6
4097.0
3910.3
3668.1
3361.2
3011.8
2662.3
2390.5
2209.4
2037.4
1906.2
1732.4
1582.6
1442.1
1331.2
1244.3
1177.7
1127.8
1063.1
1175.9
870.8
689.6
554.7
412.3
170.1
0.0

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