

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: P852675

Luminaire Tested: **GLAN-SB5C-827-U-T4FT**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852675  
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-SB5C-827-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 29812 lumens  
Efficiency: N/A  
Efficacy: 119.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G4

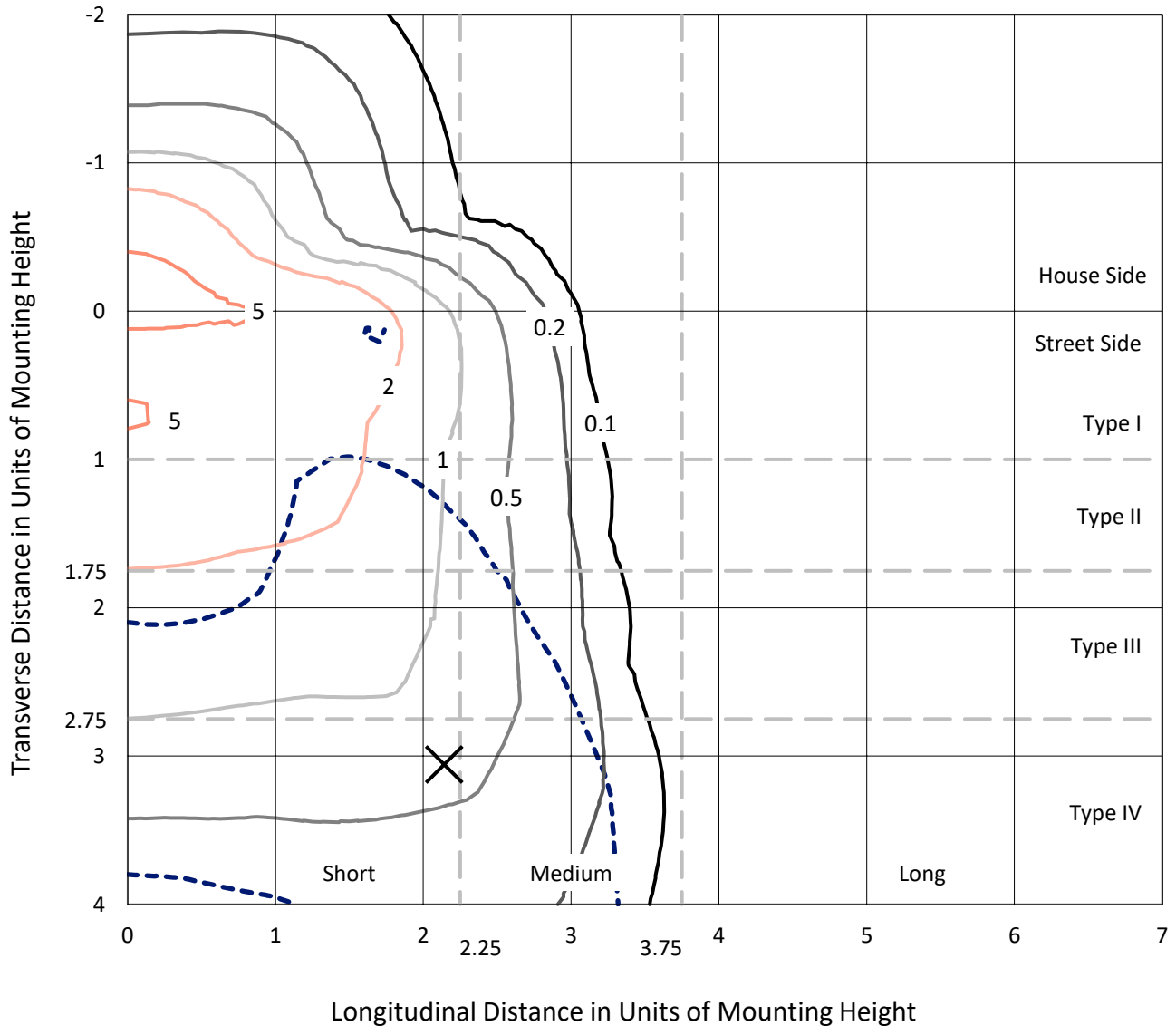
Input Watts (W): 249.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

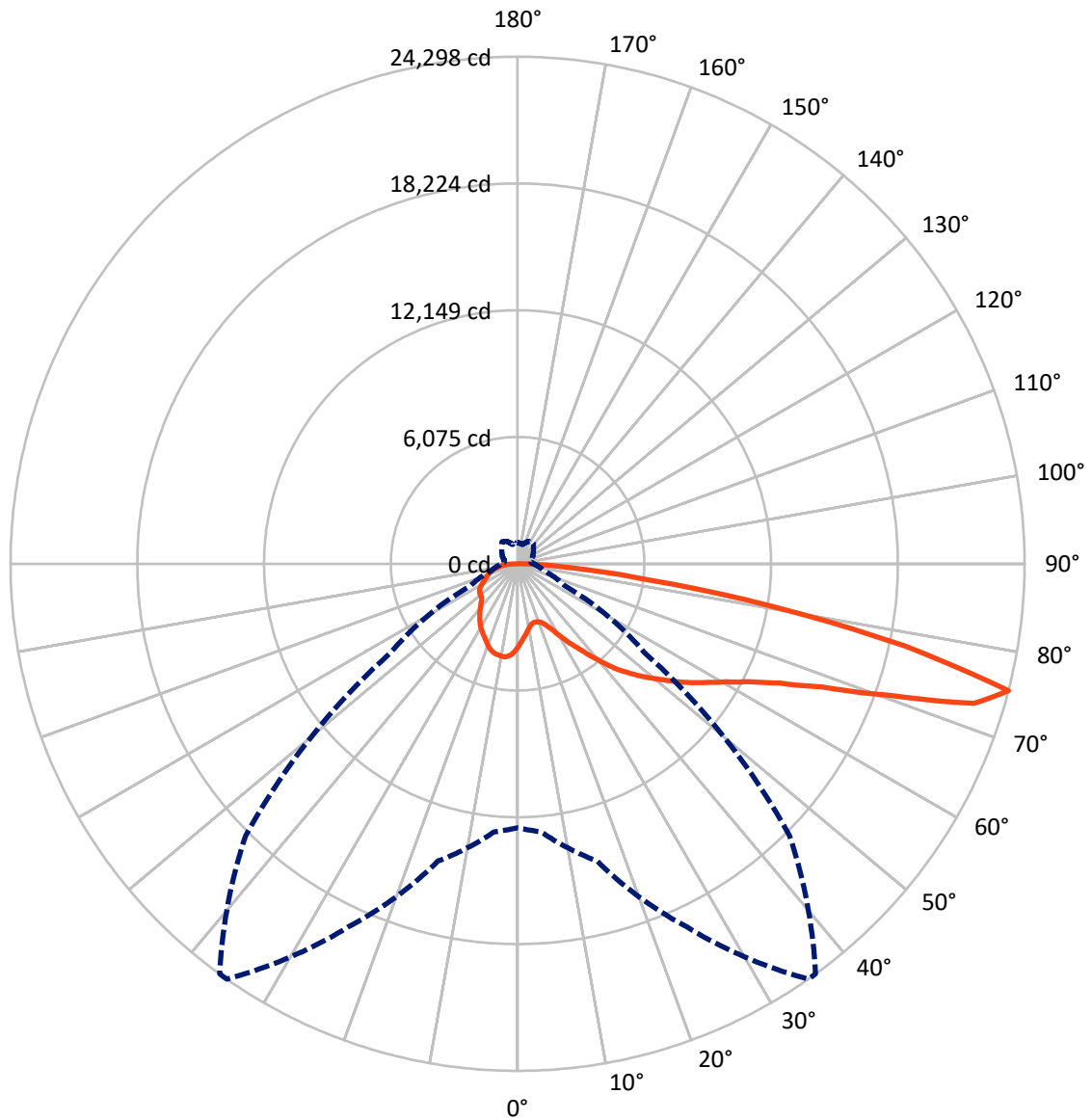
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7 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	7094.5	0.0	7094.5
	% Fixture	23.8	0.0	23.8
<b>Street Side</b>	Lumens	22717.5	0.0	22717.5
	% Fixture	76.2	0.0	76.2
<b>Total</b>	Lumens	29812.0	0.0	29812.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	376.1	1.3
10°-20°	1084.9	3.6
20°-30°	1821.9	6.1
30°-40°	2831.4	9.5
40°-50°	4202.6	14.1
50°-60°	5802.0	19.5
60°-70°	7039.1	23.6
70°-80°	5817.3	19.5
80°-90°	836.7	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°	29812.0	100.0
0°-180°	29812.0	100.0

**Coefficient of Utilization**

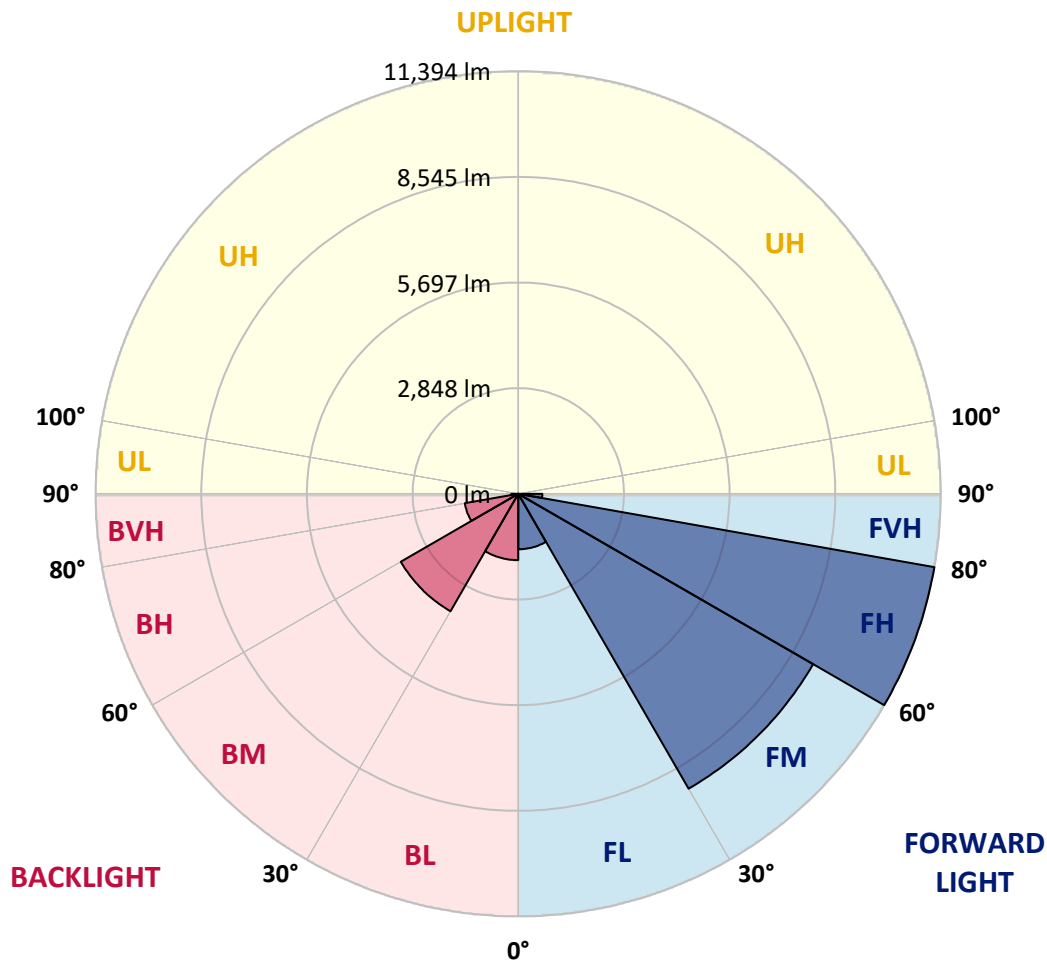


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1495.0	5.0			
FM (30°-60°)	9180.5	30.8			
FH (60°-80°)	11393.7	38.2			G4/12000
FVH (80°-90°)	648.3	2.2			G4/750
BL (0°-30°)	1787.9	6.0	B3/2500		
BM (30°-60°)	3655.5	12.3	B3/5000		
BH (60°-80°)	1462.7	4.9	B3/2500		G3/2500
BVH (80°-90°)	188.4	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°	3972.7	3972.7	3972.7	3972.7	3972.7	3972.7	3972.7	3972.7	3972.7	3972.7
2.5°	3663.2	3685.8	3695.5	3690.6	3714.8	3711.6	3745.4	3787.3	3845.3	3901.7
5°	3381.2	3405.4	3426.3	3445.6	3492.4	3506.9	3560.1	3640.7	3747.0	3855.0
7.5°	3118.5	3139.4	3171.7	3207.1	3286.1	3300.6	3389.2	3514.9	3663.2	3821.2
10°	2904.1	2925.1	2958.9	2999.2	3097.5	3115.3	3228.1	3395.7	3589.1	3788.9
12.5°	2812.3	2818.7	2838.1	2878.4	2963.8	2975.1	3099.2	3290.9	3516.6	3764.8
15°	2807.4	2820.3	2822.0	2842.9	2913.8	2918.6	3033.1	3223.2	3471.4	3759.9
17.5°	2855.8	2865.5	2851.0	2863.9	2923.5	2931.5	3021.8	3191.0	3456.9	3780.9
20°	2984.7	2992.8	2949.3	2931.5	2975.1	2981.5	3070.1	3212.0	3471.4	3824.4
22.5°	3258.7	3263.5	3157.2	3084.6	3087.9	3091.1	3168.5	3297.4	3527.8	3903.4
25°	3685.8	3682.6	3513.3	3373.1	3292.5	3274.8	3326.4	3436.0	3622.9	4008.1
27.5°	4185.4	4161.2	3992.0	3782.5	3606.8	3581.0	3569.7	3616.5	3758.3	4146.7
30°	4749.5	4726.9	4544.8	4270.8	4027.4	3985.5	3879.2	3855.0	3959.8	4335.3
32.5°	5368.3	5353.8	5136.2	4804.2	4478.7	4430.4	4251.5	4187.0	4269.2	4620.5
35°	5887.3	5874.4	5693.9	5352.2	4954.1	4894.5	4712.4	4639.9	4681.8	4986.4
37.5°	6356.2	6349.8	6195.1	5925.9	5515.0	5442.5	5237.8	5213.6	5205.5	5468.2
40°	6791.4	6775.3	6614.1	6472.3	6167.7	6101.6	5921.1	5900.2	5838.9	6061.3
42.5°	7273.3	7231.4	6997.7	6931.6	6849.4	6794.6	6686.6	6689.8	6554.5	6730.1
45°	7666.5	7642.3	7402.2	7363.5	7452.1	7429.6	7523.1	7547.2	7284.5	7431.2
47.5°	8088.7	8066.2	7863.1	7835.7	8075.8	8082.3	8412.7	8420.7	7996.9	8159.6
50°	8609.3	8577.1	8375.6	8409.4	8678.6	8702.8	9307.1	9252.3	8652.8	8899.4
52.5°	8952.6	8971.9	8928.4	8983.2	9350.6	9373.2	10187.1	10046.9	9302.3	9629.4
55°	9205.6	9244.3	9379.6	9505.4	10059.8	10082.3	11017.1	10802.7	9840.6	10306.3
57.5°	9531.1	9476.3	9729.4	9974.3	10733.4	10793.0	11824.5	11531.2	10317.6	10889.7
60°	9998.5	9959.8	10156.4	10519.1	11487.6	11582.7	12678.6	12187.1	10667.3	11352.3
62.5°	10946.1	10849.4	10880.1	11200.8	12438.5	12564.2	13642.4	12759.2	10841.4	11532.8
65°	12362.8	12196.8	12042.0	12264.5	13777.8	13901.9	14730.2	13208.9	10776.9	11183.1
67.5°	14146.8	13982.4	13792.3	14001.8	15750.4	15848.7	16072.7	13461.9	10269.3	9835.7
70°	15618.2	15557.0	15784.2	16646.5	18901.1	18904.3	17793.9	13252.4	8878.4	6973.5
72.5°	15423.2	15386.2	16583.6	19249.2	22872.2	22786.7	19423.3	11666.5	5980.7	3145.9
75°	12652.9	12893.0	14748.0	19202.5	24298.4	24287.2	18425.7	7416.7	2473.8	1303.8
77.5°	6784.9	7165.3	9574.7	14177.4	18968.8	19254.1	12954.2	2594.7	1062.1	834.8
80°	2212.8	2544.8	3816.3	7218.5	12325.7	12272.5	5552.0	1018.5	726.8	591.5
82.5°	939.6	978.3	1705.1	3408.6	6325.6	6227.3	1768.0	585.0	510.9	404.5
85°	367.5	411.0	752.6	1576.2	2739.8	2680.1	638.2	290.1	327.2	264.3
87.5°	120.9	146.7	269.1	539.9	852.5	821.9	156.3	99.9	141.8	120.9
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°
3972.7	0°	3972.7	3972.7	3972.7	3972.7	3972.7	3972.7	3972.7	3972.7	3972.7	3972.7
3983.9	2.5°	4006.5	4032.3	4062.9	4108.0	4146.7	4178.9	4212.8	4233.7	4241.8	4266.0
3990.4	5°	4035.5	4091.9	4167.7	4241.8	4314.3	4357.8	4396.5	4415.8	4433.6	4446.5
4008.1	7.5°	4083.9	4156.4	4275.6	4372.3	4433.6	4469.0	4494.8	4488.4	4494.8	4498.0
4027.4	10°	4125.8	4227.3	4369.1	4461.0	4507.7	4509.3	4502.9	4480.3	4469.0	4470.6
4056.5	12.5°	4175.7	4288.5	4441.6	4519.0	4531.9	4496.4	4469.0	4430.4	4415.8	4409.4
4100.0	15°	4243.4	4372.3	4520.6	4549.6	4517.4	4472.3	4425.5	4362.7	4330.4	4304.6
4174.1	17.5°	4325.6	4467.4	4581.8	4560.9	4491.6	4417.5	4341.7	4246.6	4180.6	4153.2
4275.6	20°	4440.0	4567.3	4628.6	4536.7	4432.0	4319.1	4190.2	4074.2	4012.9	3985.5
4404.6	22.5°	4578.6	4701.1	4673.7	4494.8	4346.5	4166.0	4004.9	3919.5	3888.8	3869.5
4570.6	25°	4744.6	4849.4	4705.9	4433.6	4206.3	3963.0	3838.9	3811.5	3797.0	3782.5
4773.6	27.5°	4960.6	5017.0	4730.1	4343.3	3987.2	3747.0	3701.9	3706.7	3701.9	3677.7
5055.7	30°	5245.8	5234.6	4752.7	4196.7	3735.7	3552.0	3555.2	3576.2	3579.4	3563.3
5448.9	32.5°	5621.3	5506.9	4764.0	4006.5	3495.6	3381.2	3384.4	3407.0	3423.1	3395.7
5963.0	35°	6075.8	5824.4	4746.2	3768.0	3310.3	3218.4	3194.2	3200.7	3205.5	3179.7
6586.7	37.5°	6606.0	6180.6	4667.3	3503.7	3157.2	3058.9	3007.3	2963.8	2938.0	2913.8
7292.6	40°	7187.8	6569.0	4522.2	3245.8	2986.3	2889.6	2812.3	2730.1	2643.1	2610.8
8040.4	42.5°	7797.0	6968.7	4346.5	2999.2	2789.7	2710.7	2628.6	2509.3	2378.8	2312.7
8817.2	45°	8428.8	7378.0	4174.1	2755.9	2588.3	2554.4	2459.3	2315.9	2174.1	2090.3
9595.6	47.5°	9047.7	7764.8	3921.1	2510.9	2399.7	2436.8	2362.6	2230.5	2072.5	1940.4
10367.6	50°	9639.1	8127.4	3506.9	2262.7	2246.6	2401.3	2330.4	2140.2	1959.7	1790.5
11125.0	52.5°	10225.7	8420.7	2976.7	2037.1	2164.4	2391.6	2288.5	2079.0	1858.2	1680.9
11837.4	55°	10723.7	8572.2	2465.8	1843.7	2045.1	2309.5	2238.5	2006.5	1714.8	1526.2
12325.7	57.5°	11007.4	8449.7	2040.3	1653.5	1880.8	2174.1	2153.1	1851.8	1543.9	1398.9
12420.8	60°	10884.9	7953.4	1692.2	1487.5	1724.4	2027.4	2004.9	1698.7	1413.4	1276.4
11911.5	62.5°	10209.6	7007.3	1416.6	1342.5	1582.6	1877.5	1856.6	1581.0	1313.5	1181.3
10559.4	65°	8849.4	5700.3	1202.3	1221.6	1439.2	1697.0	1727.7	1482.7	1234.5	1105.6
8169.3	67.5°	6749.5	4129.0	1034.7	1116.9	1299.0	1519.8	1608.4	1411.8	1168.4	1045.9
4726.9	70°	3846.9	2344.9	892.8	1015.3	1174.9	1355.4	1516.5	1355.4	1097.5	996.0
1771.2	72.5°	1458.5	1076.6	772.0	913.8	1055.6	1216.8	1415.0	1266.7	1015.3	939.6
915.4	75°	778.4	655.9	649.5	794.5	918.6	1081.4	1287.7	1179.7	954.1	992.8
633.4	77.5°	530.2	464.1	543.1	680.1	768.7	931.5	1152.3	1047.6	826.8	823.5
438.4	80°	367.5	328.8	441.6	548.0	594.7	783.2	1005.7	899.3	673.7	628.5
270.8	82.5°	220.8	214.3	330.4	409.4	420.6	604.4	833.2	754.2	551.2	480.3
161.2	85°	120.9	127.3	211.1	240.1	245.0	422.2	652.7	583.4	423.9	356.2
58.0	87.5°	33.8	43.5	77.4	95.1	117.6	219.2	388.4	346.5	212.7	148.3
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



180°
3972.7
4264.4
4449.7
4502.9
4473.9
4406.2
4312.7
4154.8
3982.3
3872.7
3782.5
3682.6
3571.4
3408.6
3197.5
2929.9
2625.3
2320.7
2083.8
1925.9
1776.0
1661.6
1510.1
1379.5
1257.1
1160.4
1084.6
1026.6
983.1
926.7
1025.0
759.1
601.1
483.5
359.4
148.3
0.0

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