

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: P851256

Luminaire Tested: **GLAN-SB9A-927-U-T2**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P851256  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB9A-927-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 26071 lumens  
Efficiency: N/A  
Efficacy: 102.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G3

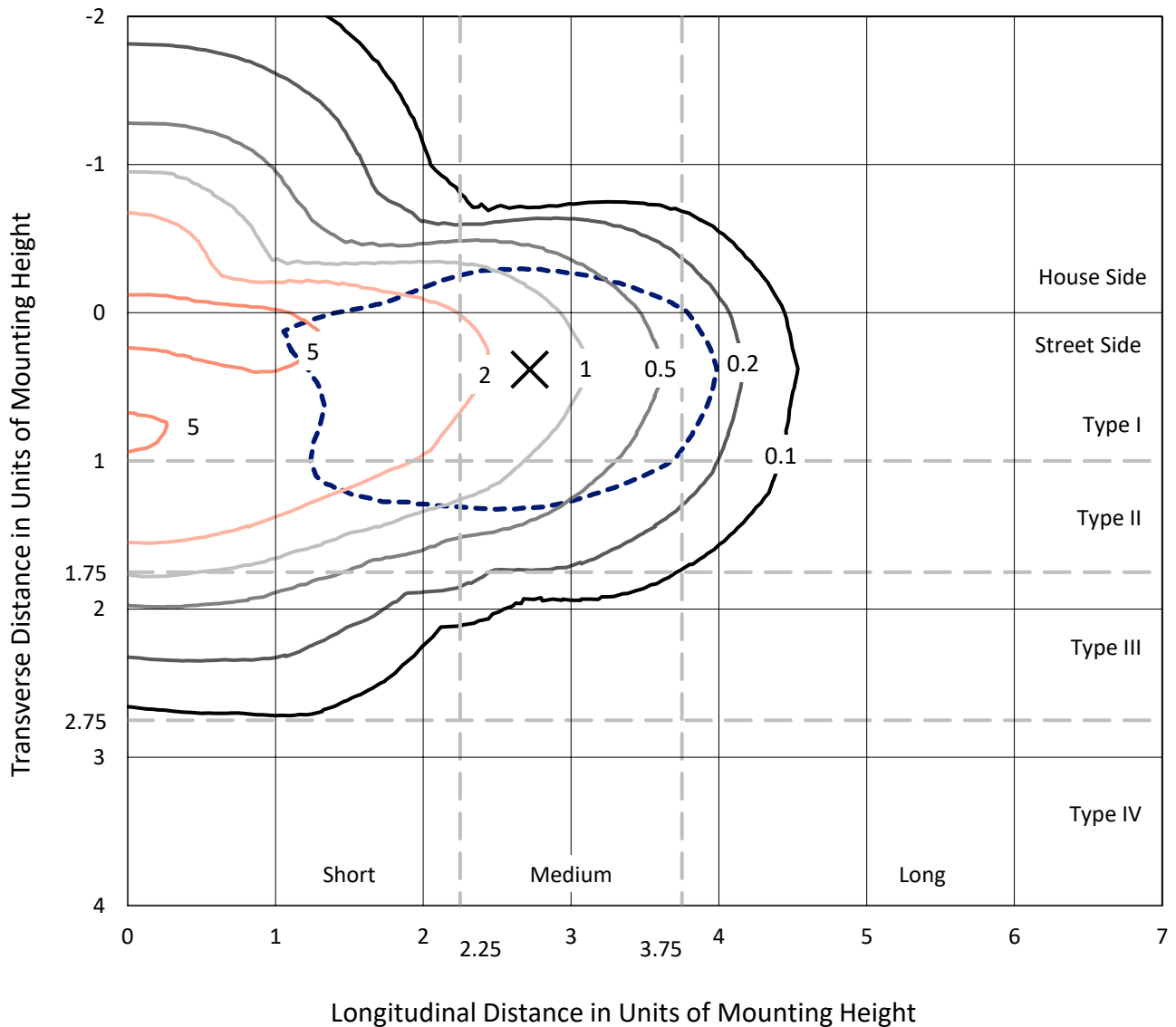
Input Watts (W): 255.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

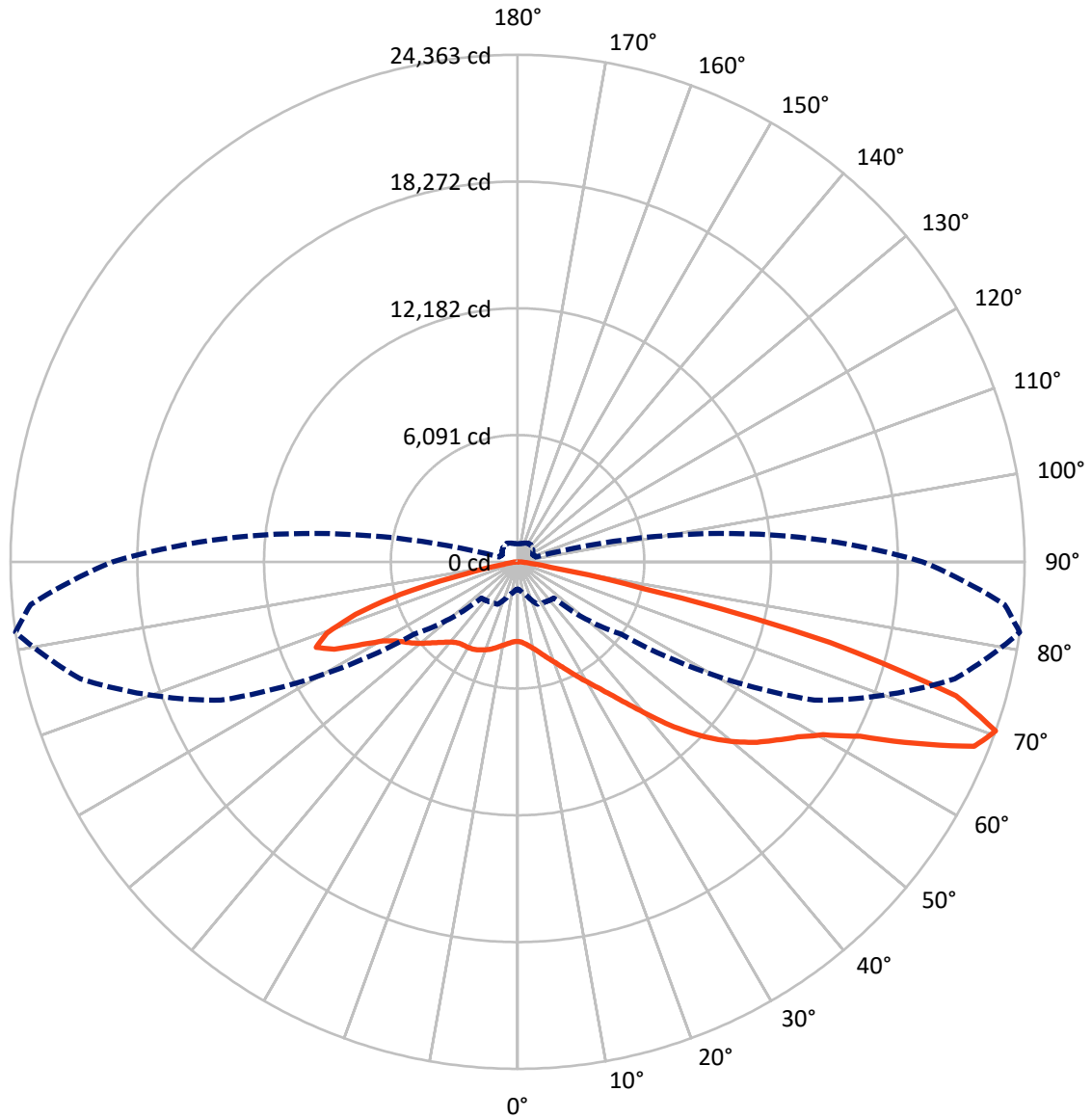
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.9 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6427.1	0.0	6427.1
	% Fixture	24.7	0.0	24.7
<b>Street Side</b>	Lumens	19643.9	0.0	19643.9
	% Fixture	75.3	0.0	75.3
<b>Total</b>	Lumens	26071.0	0.0	26071.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	360.9	1.4
10°-20°	1036.9	4.0
20°-30°	1734.6	6.7
30°-40°	2709.9	10.4
40°-50°	4315.8	16.6
50°-60°	6005.9	23.0
60°-70°	6282.5	24.1
70°-80°	3283.6	12.6
80°-90°	341.0	1.3
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°	26071.0	100.0
0°-180°	26071.0	100.0

**Coefficient of Utilization**

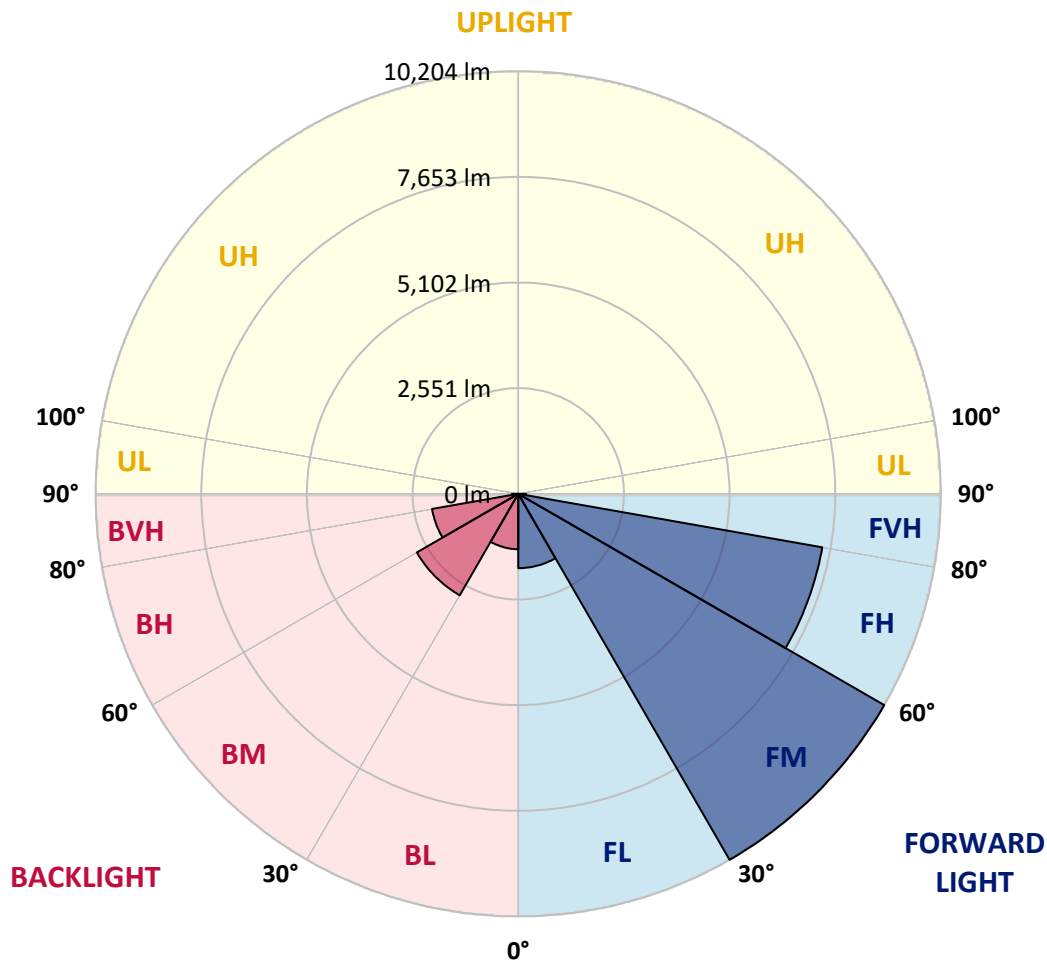


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1795.3	6.9			
FM (30°-60°)	10203.9	39.1			
FH (60°-80°)	7453.8	28.6			G3/7500
FVH (80°-90°)	190.9	0.7			G2/225
BL (0°-30°)	1337.1	5.1	B3/2500		
BM (30°-60°)	2827.7	10.8	B3/5000		
BH (60°-80°)	2112.3	8.1	B3/2500		G3/2500
BVH (80°-90°)	150.1	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-G3**  
 Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	3822.3	3822.3	3822.3	3822.3	3822.3	3822.3	3822.3	3822.3	3822.3	3822.3
2.5°	3913.6	3935.8	3928.9	3921.9	3921.9	3912.3	3910.9	3897.0	3886.0	3868.0
5°	3963.4	3987.0	3984.2	3989.7	4007.7	4011.9	4016.0	4007.7	3985.6	3963.4
7.5°	3919.2	3945.5	3953.8	3987.0	4042.3	4092.1	4129.4	4144.7	4123.9	4092.1
10°	3769.8	3798.8	3827.9	3906.7	4004.9	4122.5	4222.1	4281.6	4277.5	4247.0
12.5°	3466.8	3497.2	3559.5	3713.0	3892.9	4100.4	4285.8	4410.3	4453.2	4431.0
15°	3224.7	3251.0	3298.0	3455.7	3689.5	4004.9	4309.3	4551.4	4660.7	4648.2
17.5°	3217.8	3228.9	3257.9	3332.6	3512.5	3855.5	4284.4	4689.7	4898.6	4897.2
20°	3339.5	3343.7	3360.3	3375.5	3477.9	3742.1	4220.8	4804.5	5165.6	5165.6
22.5°	3508.3	3505.5	3522.1	3508.3	3558.1	3732.4	4180.6	4905.5	5463.0	5485.2
25°	3761.5	3747.6	3743.5	3711.7	3721.3	3822.3	4224.9	5020.4	5815.8	5861.5
27.5°	4099.0	4076.9	4061.7	3988.3	3963.4	4007.7	4360.5	5158.7	6208.7	6287.6
30°	4538.9	4498.8	4476.7	4349.4	4259.5	4266.4	4565.2	5342.7	6619.6	6746.8
32.5°	5139.3	5077.1	5017.6	4808.7	4644.1	4590.1	4829.4	5597.2	7065.0	7268.4
35°	5811.7	5761.9	5698.2	5375.9	5122.7	4998.2	5186.4	5952.8	7586.6	7908.9
37.5°	6459.1	6416.2	6446.6	6012.3	5685.8	5504.5	5654.0	6430.0	8229.8	8705.7
40°	7128.7	7095.5	7099.6	6684.6	6304.2	6100.8	6221.2	7029.1	8967.2	9653.4
42.5°	7856.3	7831.4	7748.4	7380.4	6953.0	6763.4	6874.1	7720.8	9758.5	10732.4
45°	8671.2	8655.9	8578.5	8156.5	7666.8	7453.8	7603.2	8484.4	10554.0	11747.8
47.5°	9375.3	9387.8	9378.1	9022.5	8514.8	8202.2	8380.6	9281.2	11294.1	12702.4
50°	9714.2	9779.3	9874.7	9764.0	9448.6	9130.4	9165.0	10050.4	11999.6	13597.4
52.5°	9537.2	9660.3	9920.4	10097.4	10219.2	10152.8	10060.1	10814.0	12663.6	14405.3
55°	8877.3	9050.2	9481.8	9909.3	10530.4	11013.2	11135.0	11660.7	13311.1	15116.4
57.5°	7675.1	7955.9	8343.3	9207.9	10253.8	11429.7	12388.3	12835.2	13997.2	15875.9
60°	5613.8	5990.1	6471.5	7758.1	9285.4	11206.9	13454.9	14639.1	14972.5	16859.5
62.5°	3592.7	3825.1	4267.8	5479.6	7235.2	10065.6	13781.4	16894.1	16625.7	18472.5
65°	2459.7	2609.1	3014.4	3695.1	4677.3	7492.5	12907.1	18584.6	19251.4	21029.1
67.5°	1787.4	1900.8	2246.6	2842.9	3047.6	4433.8	10015.8	18507.1	21803.8	23663.1
70°	1303.2	1383.4	1673.9	2246.6	2344.9	2466.6	6067.6	15732.0	21748.4	24363.1
72.5°	965.6	1020.9	1216.0	1743.1	1898.0	1665.6	3003.4	11433.8	18688.4	22036.2
75°	698.6	740.1	884.0	1333.6	1519.0	1268.6	1498.2	6681.8	13035.8	15501.0
77.5°	534.0	565.8	659.9	976.7	1216.0	951.8	929.6	3073.9	6181.0	6211.5
80°	428.9	449.6	500.8	687.5	932.4	712.5	605.9	1240.9	1953.4	1653.2
82.5°	315.4	350.0	423.3	482.8	666.8	491.1	369.4	626.7	742.9	639.1
85°	179.8	203.4	255.9	345.9	426.1	300.2	211.7	278.1	345.9	283.6
87.5°	63.6	83.0	89.9	135.6	185.4	124.5	81.6	80.2	113.4	84.4
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°
3822.3	0°	3822.3	3822.3	3822.3	3822.3	3822.3	3822.3	3822.3	3822.3	3822.3	3822.3
3863.8	2.5°	3850.0	3843.1	3815.4	3778.1	3739.3	3702.0	3689.5	3663.2	3645.3	3635.6
3953.8	5°	3927.5	3905.3	3840.3	3757.3	3670.2	3576.1	3509.7	3448.8	3404.5	3363.0
4076.9	7.5°	4038.1	3999.4	3887.4	3742.1	3587.2	3430.8	3314.6	3226.1	3166.6	3127.9
4220.8	10°	4166.8	4107.3	3935.8	3718.6	3479.3	3255.1	3118.2	3042.1	3004.7	2984.0
4385.4	12.5°	4314.8	4230.4	3985.6	3664.6	3314.6	3058.7	2964.6	2942.5	2943.9	2945.3
4592.9	15°	4497.4	4379.8	4025.7	3547.0	3100.2	2907.9	2891.3	2927.3	2964.6	2982.6
4828.1	17.5°	4703.6	4537.6	4032.6	3353.4	2889.9	2811.1	2863.6	2941.1	2997.8	3022.7
5090.9	20°	4924.9	4698.0	3982.8	3079.4	2717.0	2732.2	2826.3	2925.9	2988.1	3020.0
5391.1	22.5°	5178.1	4869.6	3863.8	2791.7	2575.9	2646.4	2757.1	2854.0	2919.0	2950.8
5743.9	25°	5467.2	5061.9	3677.1	2549.6	2454.2	2549.6	2660.3	2740.5	2793.1	2822.1
6138.1	27.5°	5788.1	5262.5	3428.1	2357.3	2347.6	2450.0	2541.3	2603.6	2631.2	2653.4
6557.3	30°	6110.5	5445.1	3126.5	2212.1	2254.9	2351.8	2416.8	2444.5	2452.8	2456.9
7024.9	32.5°	6459.1	5602.8	2809.7	2091.7	2166.4	2256.3	2295.1	2307.5	2268.8	2242.5
7592.1	35°	6881.0	5771.5	2499.8	1996.2	2079.3	2156.7	2169.2	2158.1	2112.5	2058.5
8303.2	37.5°	7402.6	5981.8	2252.2	1928.5	1997.6	2048.8	2033.6	2030.8	2035.0	1971.3
9158.1	40°	8041.7	6255.7	2071.0	1875.9	1931.2	1942.3	1899.4	1922.9	1943.7	1846.8
10096.1	42.5°	8751.4	6586.4	1956.1	1839.9	1875.9	1849.6	1783.2	1809.5	1806.7	1679.4
11038.1	45°	9474.9	6946.1	1916.0	1813.6	1824.7	1772.1	1698.8	1705.7	1647.6	1532.8
11941.5	47.5°	10194.3	7332.0	1940.9	1791.5	1761.1	1701.6	1644.9	1614.4	1528.7	1442.9
12807.5	50°	10899.8	7737.4	2032.2	1747.2	1673.9	1639.3	1597.8	1543.9	1452.6	1379.2
13626.5	52.5°	11554.2	8145.5	2134.6	1673.9	1564.6	1585.4	1559.1	1496.8	1406.9	1332.2
14401.2	55°	12173.9	8553.6	2174.7	1572.9	1462.3	1538.3	1523.1	1408.3	1300.4	1239.5
15211.9	57.5°	12849.0	9044.7	2130.4	1444.3	1379.2	1484.4	1426.3	1299.0	1236.8	1191.1
16267.4	60°	13784.2	9815.2	2035.0	1285.2	1300.4	1404.2	1304.5	1252.0	1184.2	1133.0
17850.0	62.5°	15337.8	11252.6	1881.4	1127.5	1207.7	1285.2	1246.4	1193.9	1124.7	1074.9
20555.9	65°	17634.2	13250.2	1592.3	1004.3	1104.0	1169.0	1184.2	1131.6	1059.7	1007.1
22927.1	67.5°	19571.0	14503.6	1204.9	902.0	997.4	1074.9	1117.8	1066.6	990.5	939.3
23481.8	70°	19464.4	13593.3	920.0	801.0	903.4	982.2	1037.6	997.4	915.8	867.4
21329.3	72.5°	17288.4	11371.5	744.3	698.6	807.9	885.4	951.8	921.3	838.3	791.3
15625.5	75°	12701.0	8072.1	594.9	594.9	688.9	784.4	857.7	838.3	762.3	729.1
6560.1	77.5°	5353.8	3386.6	466.2	493.9	572.7	673.7	765.0	771.9	705.5	747.0
1734.8	80°	1423.5	933.8	355.5	388.7	449.6	556.1	665.4	662.6	590.7	552.0
644.7	82.5°	542.3	368.0	253.2	273.9	325.1	426.1	527.1	543.7	471.7	408.1
253.2	85°	208.9	157.7	156.3	164.6	189.5	282.2	398.4	412.3	355.5	301.6
70.6	87.5°	54.0	47.0	58.1	55.3	87.2	150.8	228.3	236.6	217.2	125.9
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°
3822.3
3646.6
3379.6
3136.2
2989.5
2948.0
2981.2
3028.3
3028.3
2959.1
2830.4
2661.7
2466.6
2250.8
2061.3
1975.5
1849.6
1678.1
1537.0
1442.9
1373.7
1333.6
1234.0
1187.0
1130.2
1074.9
1009.9
940.7
871.5
791.3
719.4
677.9
513.2
408.1
311.3
179.8
0.0

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