

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: P848488

Luminaire Tested: **GLAN-SB5A-827-U-T3**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848488  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB5A-827-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 18079 lumens  
Efficiency: N/A  
Efficacy: 127.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G3

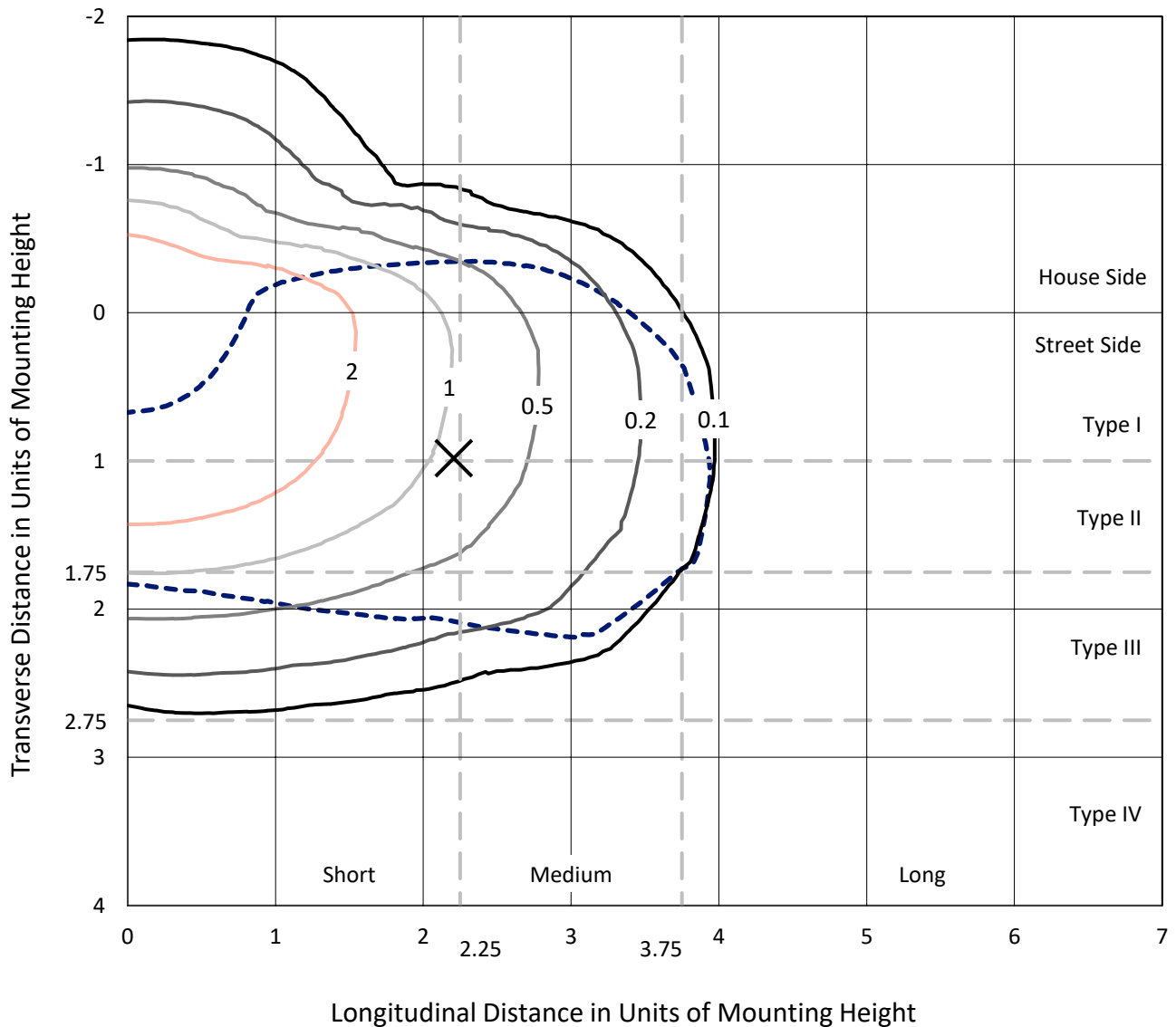
Input Watts (W): 141.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

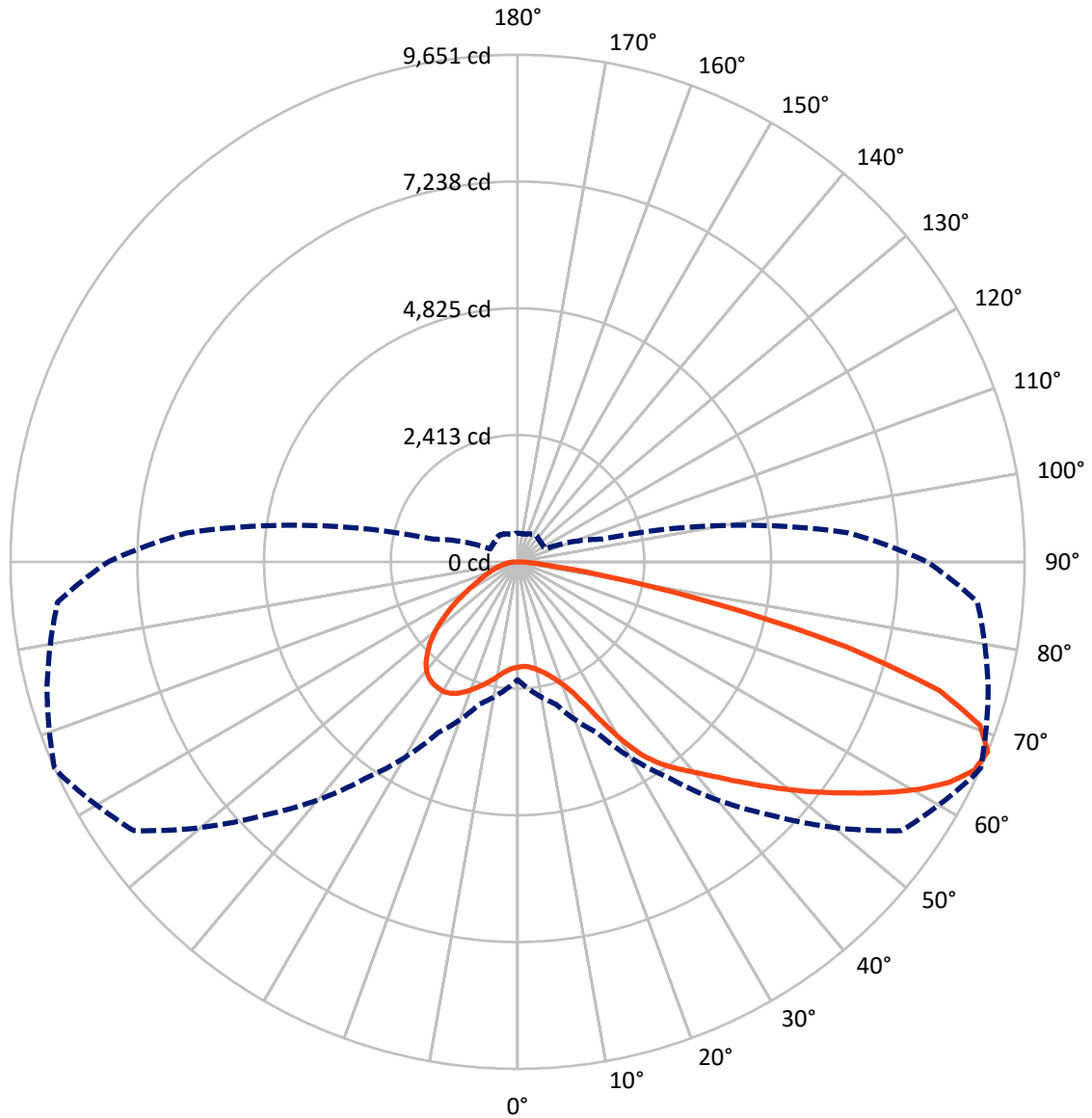
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4495.3	0.0	4495.3
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	13583.7	0.0	13583.7
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	18079.0	0.0	18079.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	198.8	1.1
10°-20°	656.8	3.6
20°-30°	1266.0	7.0
30°-40°	2219.8	12.3
40°-50°	3300.1	18.3
50°-60°	4183.2	23.1
60°-70°	4093.1	22.6
70°-80°	1952.5	10.8
80°-90°	208.7	1.2
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°	18079.0	100.0
0°-180°	18079.0	100.0

**Coefficient of Utilization**



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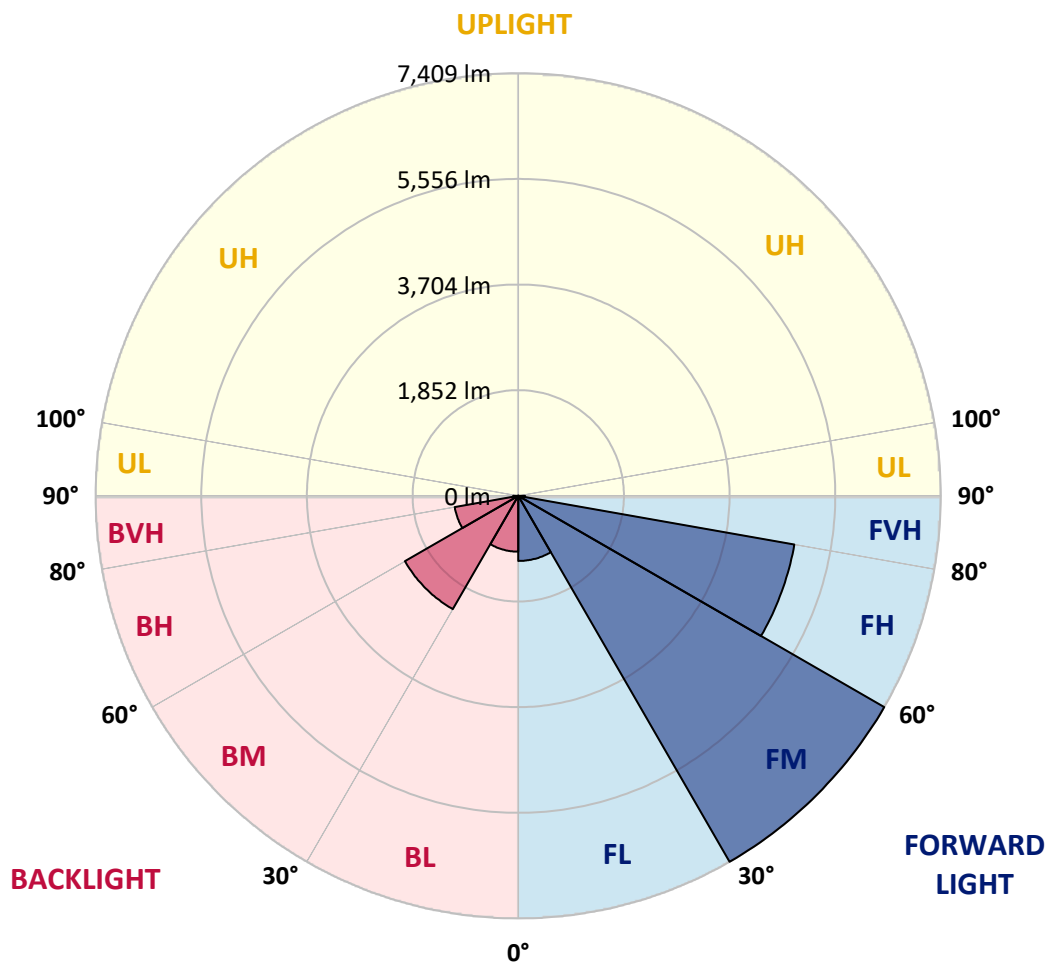
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1142.4	6.3			
FM (30°-60°)	7408.6	41.0			
FH (60°-80°)	4914.4	27.2			G2/5000
FVH (80°-90°)	118.3	0.7			G2/225
BL (0°-30°)	979.2	5.4	B2/1000		
BM (30°-60°)	2294.5	12.7	B2/2500		
BH (60°-80°)	1131.3	6.3	B3/2500		G3/2500
BVH (80°-90°)	90.4	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	2005.2	2005.2	2005.2	2005.2	2005.2	2005.2	2005.2	2005.2	2005.2	2005.2
2.5°	1984.3	1995.7	1992.9	1988.1	1987.2	1989.1	1991.9	1994.8	1993.8	1998.6
5°	1978.6	1990.0	1989.1	1989.1	1992.9	2000.5	2005.2	2009.9	2005.2	2010.9
7.5°	1982.4	1991.0	1994.8	1998.6	2008.0	2022.3	2033.7	2044.1	2038.4	2045.1
10°	2030.8	2037.5	2041.3	2041.3	2047.9	2064.1	2075.5	2094.5	2089.7	2100.2
12.5°	2119.2	2125.8	2125.8	2122.0	2126.8	2137.2	2141.0	2161.9	2153.4	2170.5
15°	2227.5	2240.8	2230.3	2223.7	2225.6	2236.0	2235.1	2251.2	2242.7	2256.9
17.5°	2347.2	2364.3	2347.2	2346.2	2342.4	2353.8	2354.8	2369.0	2353.8	2364.3
20°	2488.7	2512.4	2498.2	2502.9	2494.4	2499.1	2503.9	2524.8	2501.0	2508.6
22.5°	2688.2	2716.7	2701.5	2719.5	2713.8	2710.0	2709.1	2746.1	2709.1	2711.9
25°	2978.8	3013.0	2986.4	3011.1	3011.1	3023.5	3037.7	3085.2	3023.5	3005.4
27.5°	3408.2	3442.4	3390.1	3405.3	3400.6	3431.0	3415.8	3533.6	3467.1	3437.6
30°	3924.9	3985.7	3886.9	3883.1	3878.4	3926.8	3948.7	4026.5	3959.1	3929.7
32.5°	4483.4	4547.1	4429.3	4395.1	4377.1	4406.5	4388.5	4451.1	4404.6	4359.0
35°	5074.3	5137.0	5024.9	4958.4	4886.2	4824.4	4759.9	4776.0	4732.3	4663.0
37.5°	5632.8	5747.7	5629.0	5557.8	5424.8	5304.1	5123.7	5048.6	5007.8	4944.1
40°	6201.8	6267.3	6177.1	6116.3	5971.9	5782.9	5494.1	5335.5	5280.4	5218.6
42.5°	6620.7	6683.4	6634.9	6593.1	6480.1	6260.7	5887.4	5688.8	5609.1	5539.7
45°	6953.1	6999.7	6969.3	6984.5	6936.0	6723.3	6294.9	6067.8	5985.2	5900.7
47.5°	7087.1	7136.5	7184.9	7275.1	7357.8	7201.1	6732.8	6478.2	6390.8	6304.4
50°	7071.9	7122.2	7262.8	7454.7	7711.1	7658.9	7194.4	6915.1	6834.4	6735.6
52.5°	6950.3	7007.3	7187.8	7506.9	7915.4	8001.8	7664.6	7366.3	7290.3	7172.6
55°	6631.1	6665.3	6936.0	7388.2	7963.8	8241.2	8125.3	7847.0	7771.0	7606.7
57.5°	6039.3	6088.7	6482.9	7068.1	7842.2	8403.6	8529.9	8352.3	8279.2	8042.6
60°	5267.1	5345.9	5797.1	6530.4	7532.6	8402.7	8897.5	8849.1	8788.3	8472.0
62.5°	4393.2	4484.4	4918.5	5770.5	6991.1	8164.2	9127.4	9265.1	9233.8	8868.1
65°	3374.0	3436.7	3868.9	4787.4	6148.6	7652.2	9154.0	9549.2	9554.9	9169.2
67.5°	2246.5	2426.9	2802.2	3592.5	5020.1	6815.4	8920.3	9595.7	9650.8	9272.7
70°	1096.2	1333.6	1701.2	2334.8	3592.5	5532.1	8309.6	9213.9	9336.4	8970.7
72.5°	455.0	531.9	732.4	1152.2	2062.2	3733.0	7082.3	8178.5	8405.5	7948.6
75°	306.8	332.5	418.9	590.8	939.4	1840.9	5107.5	6098.2	6463.9	6003.3
77.5°	236.5	252.7	304.9	413.2	558.5	696.3	2733.8	3675.1	3864.1	3577.3
80°	186.2	198.5	228.0	301.1	396.1	372.4	931.8	1665.1	1774.4	1488.5
82.5°	161.5	166.2	163.4	204.2	263.1	217.5	305.9	614.6	678.2	492.0
85°	116.8	130.1	135.8	126.3	139.6	110.2	125.4	217.5	239.4	213.7
87.5°	47.5	70.3	86.4	81.7	51.3	31.3	38.9	63.6	73.1	79.8
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°
2005.2	0°	2005.2	2005.2	2005.2	2005.2	2005.2	2005.2	2005.2	2005.2	2005.2	2005.2
2006.1	2.5°	2007.1	2013.7	2018.5	2024.2	2028.0	2033.7	2045.1	2051.7	2052.7	2057.4
2021.3	5°	2025.1	2034.6	2045.1	2060.3	2077.4	2091.6	2113.5	2128.7	2134.4	2139.1
2058.4	7.5°	2064.1	2077.4	2096.4	2123.0	2147.7	2166.7	2193.3	2211.3	2229.4	2236.0
2117.3	10°	2122.0	2141.0	2168.6	2204.7	2231.3	2256.0	2283.5	2298.7	2316.8	2324.4
2187.6	12.5°	2194.2	2214.2	2250.3	2300.6	2325.3	2342.4	2351.9	2348.1	2351.9	2358.6
2272.1	15°	2276.9	2298.7	2339.6	2393.7	2410.8	2395.6	2374.7	2355.7	2352.9	2354.8
2374.7	17.5°	2374.7	2390.9	2438.3	2483.9	2471.6	2408.9	2363.3	2332.9	2317.7	2313.0
2505.8	20°	2511.5	2511.5	2550.4	2578.9	2496.3	2389.9	2318.7	2269.3	2237.9	2224.6
2684.4	22.5°	2677.7	2662.5	2687.2	2667.3	2491.5	2336.7	2237.9	2152.4	2104.9	2085.9
2934.2	25°	2888.6	2870.5	2863.9	2740.4	2457.3	2252.2	2091.6	1988.1	1946.3	1935.9
3294.2	27.5°	3206.8	3161.2	3074.8	2780.3	2394.7	2119.2	1920.7	1824.7	1801.0	1801.9
3756.8	30°	3630.4	3539.3	3327.4	2787.0	2292.1	1931.1	1745.9	1677.5	1666.1	1670.8
4145.3	32.5°	4022.7	3936.3	3585.8	2756.6	2134.4	1746.8	1589.2	1543.6	1526.5	1532.2
4441.6	35°	4330.5	4306.8	3825.2	2713.8	1940.6	1574.0	1448.6	1409.6	1376.4	1368.8
4720.9	37.5°	4621.2	4611.7	4004.7	2654.0	1748.7	1451.4	1335.5	1284.2	1235.8	1209.2
5029.6	40°	4940.3	4930.8	4122.5	2561.8	1578.7	1345.0	1233.9	1166.5	1106.6	1058.2
5379.2	42.5°	5299.4	5243.3	4178.5	2429.8	1434.3	1254.8	1151.3	1060.1	981.2	936.6
5774.3	45°	5691.7	5565.4	4177.6	2261.7	1312.7	1172.2	1062.9	933.7	860.6	818.8
6179.9	47.5°	6107.7	5873.1	4126.3	2075.5	1195.0	1081.0	926.1	827.3	778.9	753.3
6620.7	50°	6537.1	6160.9	4038.9	1861.8	1074.3	977.4	840.6	773.2	736.2	712.4
7057.6	52.5°	6940.8	6422.1	3933.5	1619.5	951.8	876.7	802.6	750.4	711.5	684.9
7481.3	55°	7316.0	6647.3	3784.3	1371.6	852.0	809.3	784.6	740.9	696.3	664.9
7911.6	57.5°	7649.4	6793.6	3526.9	1138.9	780.8	762.8	765.6	724.8	673.5	646.9
8335.2	60°	7926.8	6900.9	3146.0	923.3	722.9	717.2	736.2	694.4	634.5	604.1
8693.3	62.5°	8093.0	6899.0	2678.7	756.1	673.5	675.4	697.2	656.4	595.6	567.1
8880.4	65°	8078.7	6729.9	2165.7	646.9	626.0	627.9	656.4	614.6	563.3	546.2
8786.4	67.5°	7792.8	6317.7	1661.3	575.6	573.7	582.3	615.5	586.1	543.3	541.4
8226.0	70°	7018.7	5461.8	1196.9	518.6	519.6	531.9	575.6	568.0	532.9	536.7
6916.1	72.5°	5628.0	4164.3	803.6	458.8	459.7	479.7	537.6	553.8	522.4	572.8
4907.1	75°	3748.2	2597.0	516.7	395.2	396.1	421.7	504.4	526.2	493.9	570.9
2553.3	77.5°	1801.0	1167.4	374.3	332.5	332.5	356.2	436.0	471.1	420.8	443.6
820.7	80°	622.2	438.8	294.5	267.9	262.2	278.3	367.6	408.4	362.9	334.4
267.9	82.5°	245.1	228.0	236.5	208.0	189.0	199.5	285.9	337.2	266.9	241.3
151.0	85°	140.6	148.2	167.2	137.7	109.2	122.5	209.9	242.2	201.4	177.6
49.4	87.5°	38.0	52.2	76.9	71.2	49.4	52.2	99.7	133.9	115.9	89.3
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°
2005.2
2056.5
2138.2
2237.0
2328.2
2360.5
2361.4
2319.6
2221.8
2083.1
1937.8
1804.8
1687.0
1539.8
1374.5
1210.1
1062.9
939.4
816.9
747.6
703.9
673.5
652.6
629.8
590.8
558.5
545.2
544.3
535.7
580.4
575.6
406.5
313.5
240.3
181.4
92.1
0.0

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