

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: P846988

Luminaire Tested: **GLAN-SB2D-840-U-T3**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846988  
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-SB2D-840-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 80 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 18110 lumens  
Efficiency: N/A  
Efficacy: 122.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G3

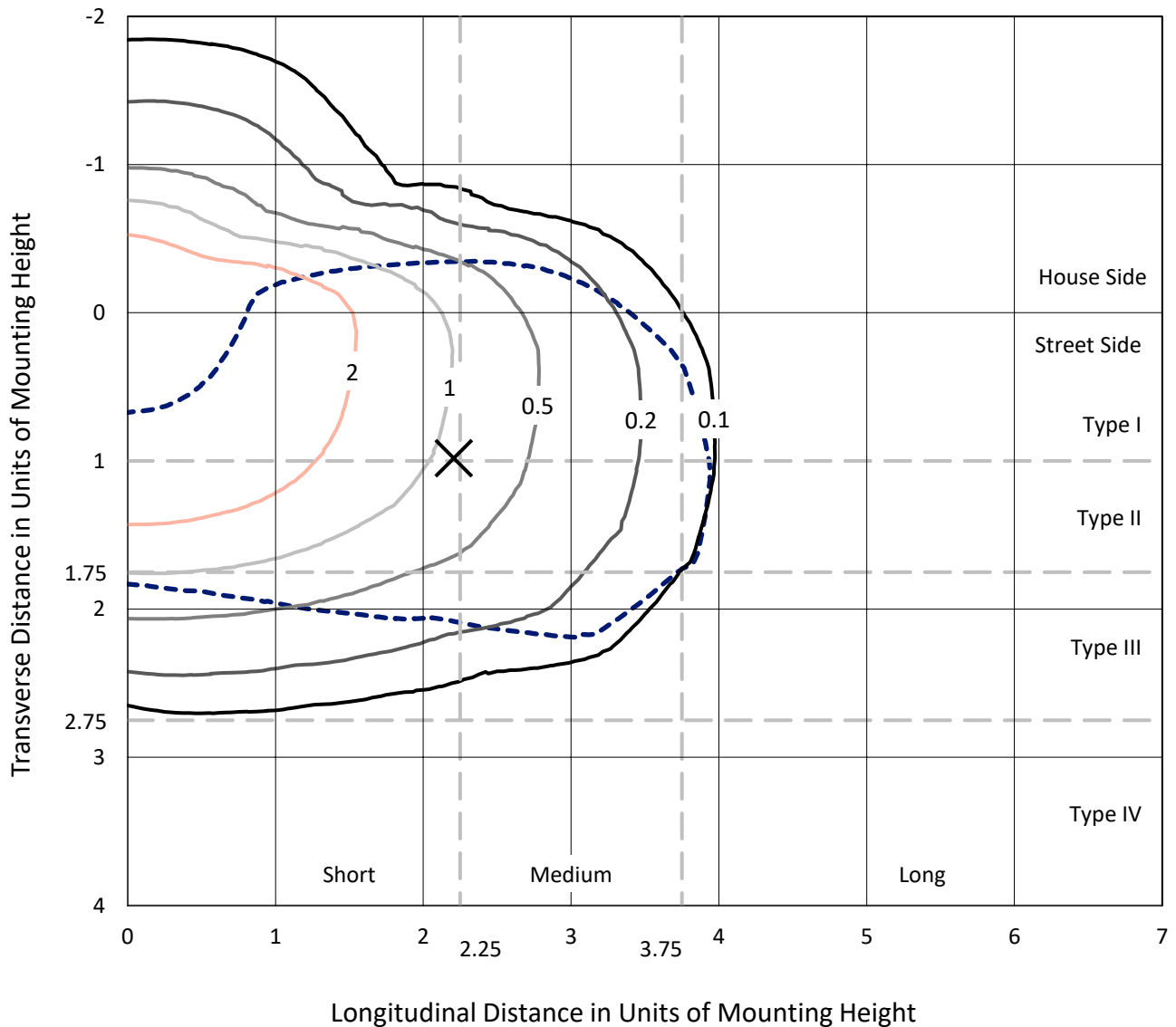
Input Watts (W): 147.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

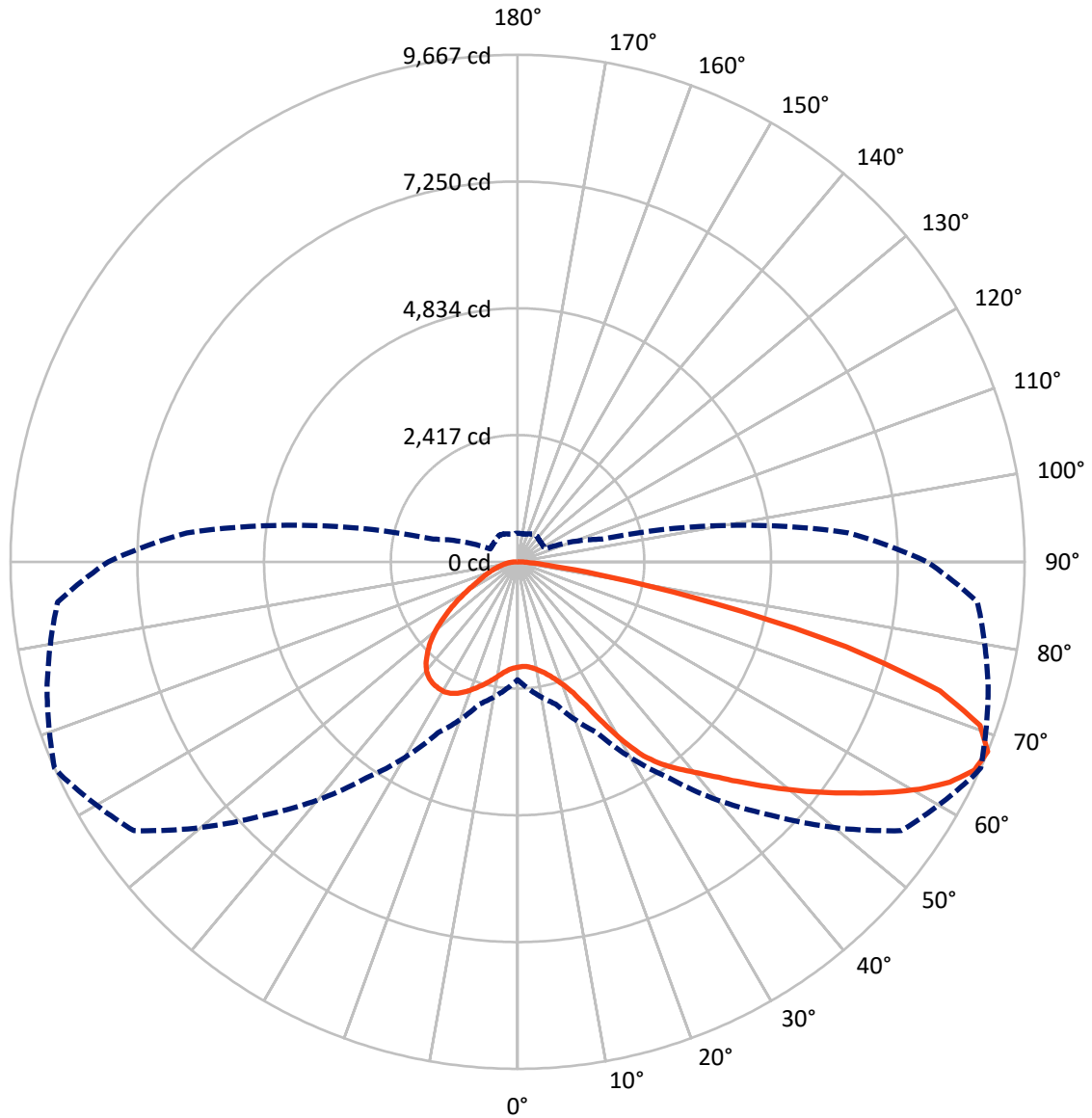
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 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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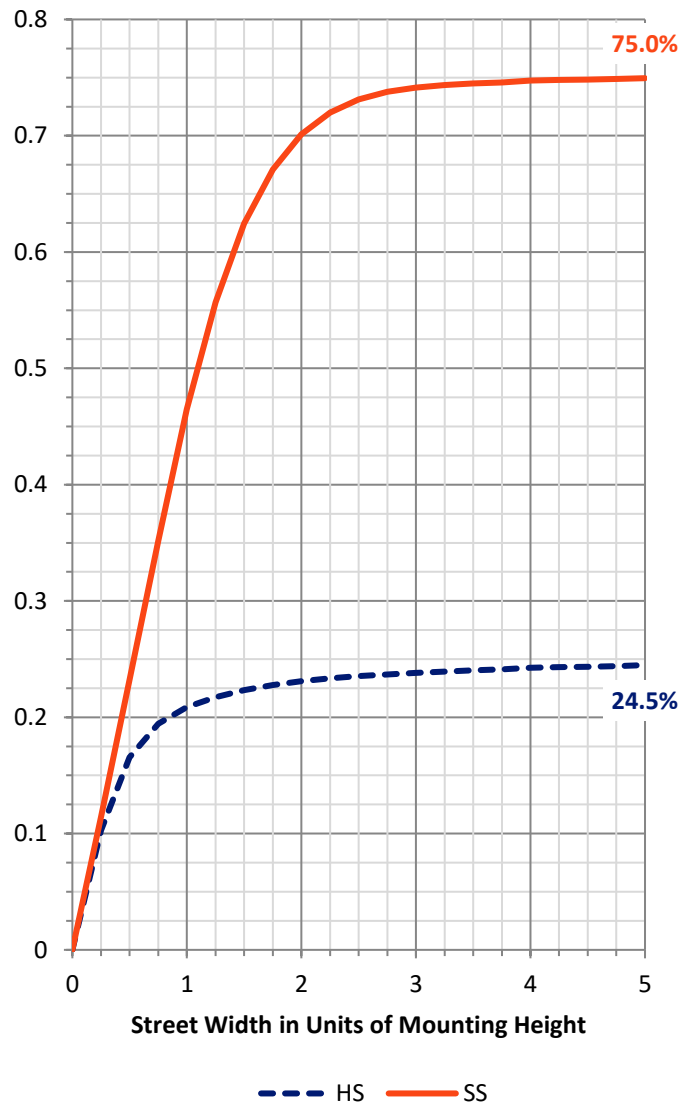
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4503.0	0.0	4503.0
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	13607.0	0.0	13607.0
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	18110.0	0.0	18110.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	199.1	1.1
10°-20°	658.0	3.6
20°-30°	1268.2	7.0
30°-40°	2223.6	12.3
40°-50°	3305.7	18.3
50°-60°	4190.4	23.1
60°-70°	4100.2	22.6
70°-80°	1955.8	10.8
80°-90°	209.0	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°	18110.0	100.0
0°-180°	18110.0	100.0

**Coefficient of Utilization**



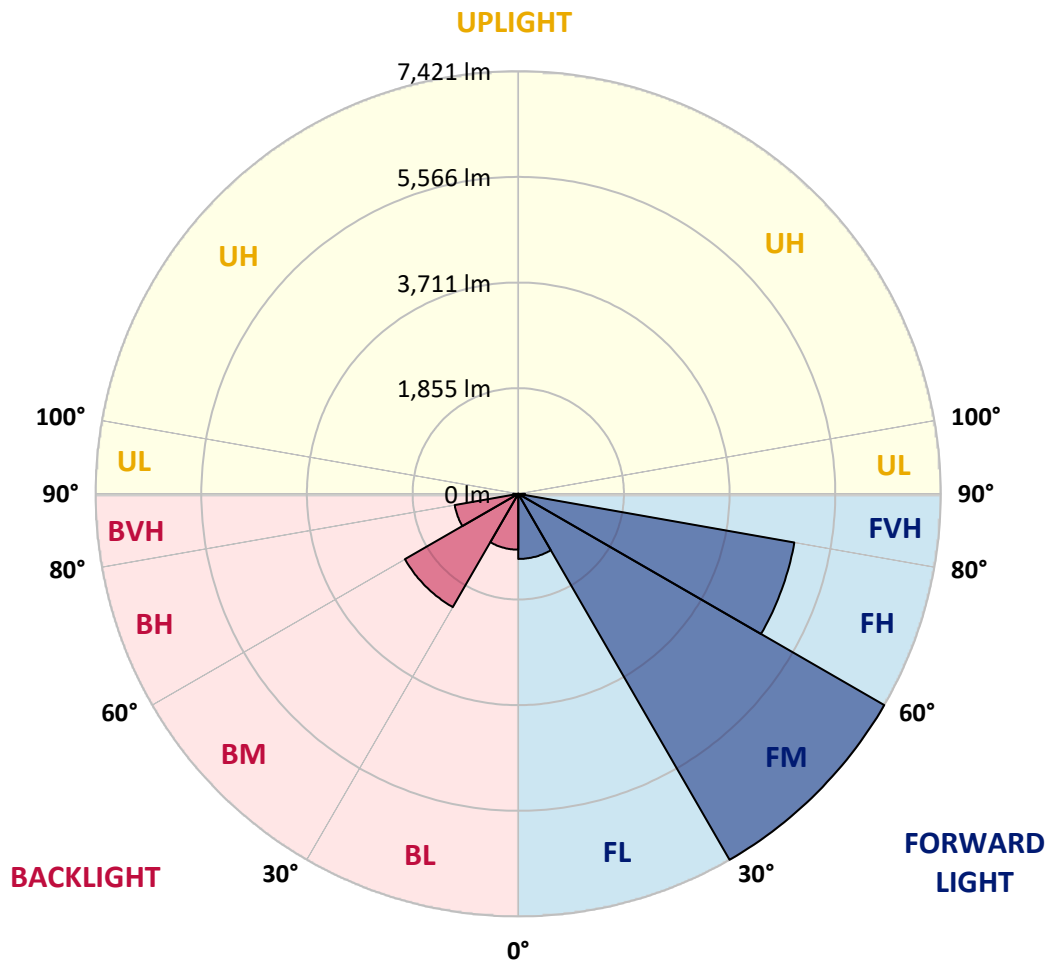
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1144.4	6.3			
FM (30°-60°)	7421.3	41.0			
FH (60°-80°)	4922.8	27.2			G2/5000
FVH (80°-90°)	118.5	0.7			G2/225
BL (0°-30°)	980.9	5.4	B2/1000		
BM (30°-60°)	2298.4	12.7	B2/2500		
BH (60°-80°)	1133.2	6.3	B3/2500		G3/2500
BVH (80°-90°)	90.5	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°	2008.6	2008.6	2008.6	2008.6	2008.6	2008.6	2008.6	2008.6	2008.6	2008.6
2.5°	1987.7	1999.1	1996.3	1991.5	1990.6	1992.5	1995.3	1998.2	1997.2	2002.0
5°	1982.0	1993.4	1992.5	1992.5	1996.3	2003.9	2008.6	2013.4	2008.6	2014.3
7.5°	1985.8	1994.4	1998.2	2002.0	2011.5	2025.8	2037.2	2047.7	2041.9	2048.6
10°	2034.3	2041.0	2044.8	2044.8	2051.5	2067.6	2079.1	2098.1	2093.3	2103.8
12.5°	2122.8	2129.5	2129.5	2125.7	2130.4	2140.9	2144.7	2165.6	2157.1	2174.2
15°	2231.3	2244.6	2234.1	2227.5	2229.4	2239.9	2238.9	2255.1	2246.5	2260.8
17.5°	2351.2	2368.3	2351.2	2350.2	2346.4	2357.8	2358.8	2373.1	2357.8	2368.3
20°	2493.0	2516.7	2502.5	2507.2	2498.7	2503.4	2508.2	2529.1	2505.3	2512.9
22.5°	2692.8	2721.3	2706.1	2724.2	2718.5	2714.7	2713.7	2750.8	2713.7	2716.6
25°	2983.9	3018.2	2991.5	3016.3	3016.3	3028.7	3042.9	3090.5	3028.7	3010.6
27.5°	3414.0	3448.3	3395.9	3411.2	3406.4	3436.9	3421.6	3539.6	3473.0	3443.5
30°	3931.6	3992.5	3893.6	3889.8	3885.0	3933.5	3955.4	4033.5	3965.9	3936.4
32.5°	4491.1	4554.9	4436.9	4402.6	4384.6	4414.1	4396.0	4458.8	4412.2	4366.5
35°	5083.0	5145.8	5033.5	4966.9	4894.6	4832.7	4768.0	4784.2	4740.4	4671.0
37.5°	5642.5	5757.6	5638.7	5567.3	5434.1	5313.2	5132.4	5057.3	5016.4	4952.6
40°	6212.4	6278.1	6187.7	6126.8	5982.1	5792.8	5503.5	5344.6	5289.4	5227.6
42.5°	6632.0	6694.8	6646.3	6604.4	6491.2	6271.4	5897.5	5698.6	5618.7	5549.2
45°	6965.1	7011.7	6981.2	6996.5	6947.9	6734.8	6305.7	6078.2	5995.5	5910.8
47.5°	7099.2	7148.7	7197.2	7287.6	7370.4	7213.4	6744.3	6489.3	6401.8	6315.2
50°	7084.0	7134.4	7275.2	7467.5	7724.4	7672.0	7206.7	6927.0	6846.1	6747.2
52.5°	6962.2	7019.3	7200.1	7519.8	7928.9	8015.5	7677.7	7379.0	7302.8	7184.9
55°	6642.5	6676.7	6947.9	7400.8	7977.5	8255.3	8139.2	7860.4	7784.3	7619.7
57.5°	6049.7	6099.2	6494.1	7080.2	7855.7	8418.0	8544.6	8366.6	8293.4	8056.4
60°	5276.1	5355.1	5807.1	6541.6	7545.5	8417.1	8912.8	8864.3	8803.4	8486.5
62.5°	4400.7	4492.1	4926.9	5780.4	7003.1	8178.2	9143.1	9281.0	9249.6	8883.3
65°	3379.8	3442.6	3875.5	4795.6	6159.1	7665.4	9169.7	9565.5	9571.2	9184.9
67.5°	2250.3	2431.1	2807.0	3598.6	5028.7	6827.1	8935.6	9612.2	9667.3	9288.6
70°	1098.0	1335.9	1704.2	2338.8	3598.6	5541.6	8323.8	9229.7	9352.4	8986.1
72.5°	455.8	532.8	733.6	1154.2	2065.7	3739.4	7094.5	8192.5	8419.9	7962.2
75°	307.3	333.0	419.6	591.8	941.0	1844.0	5116.3	6108.7	6475.0	6013.5
77.5°	236.9	253.1	305.4	413.9	559.5	697.5	2738.4	3681.4	3870.7	3583.4
80°	186.5	198.9	228.4	301.6	396.8	373.0	933.4	1668.0	1777.4	1491.0
82.5°	161.8	166.5	163.7	204.6	263.6	217.9	306.4	615.6	679.4	492.9
85°	117.0	130.4	136.1	126.6	139.9	110.4	125.6	217.9	239.8	214.1
87.5°	47.6	70.4	86.6	81.8	51.4	31.4	39.0	63.8	73.3	79.9
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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 CATALOG NUMBER: GLAN-SB2D-840-U-T3

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2008.6	0°	2008.6	2008.6	2008.6	2008.6	2008.6	2008.6	2008.6	2008.6	2008.6	2008.6
2009.6	2.5°	2010.5	2017.2	2022.0	2027.7	2031.5	2037.2	2048.6	2055.3	2056.2	2061.0
2024.8	5°	2028.6	2038.1	2048.6	2063.8	2081.0	2095.2	2117.1	2132.3	2138.0	2142.8
2061.9	7.5°	2067.6	2081.0	2100.0	2126.6	2151.4	2170.4	2197.0	2215.1	2233.2	2239.9
2120.9	10°	2125.7	2144.7	2172.3	2208.5	2235.1	2259.8	2287.4	2302.7	2320.7	2328.3
2191.3	12.5°	2198.0	2218.0	2254.1	2304.6	2329.3	2346.4	2355.9	2352.1	2355.9	2362.6
2276.0	15°	2280.8	2302.7	2343.6	2397.8	2414.9	2399.7	2378.8	2359.7	2356.9	2358.8
2378.8	17.5°	2378.8	2395.0	2442.5	2488.2	2475.8	2413.0	2367.4	2336.9	2321.7	2316.9
2510.1	20°	2515.8	2515.8	2554.8	2583.4	2500.6	2394.0	2322.6	2273.2	2241.8	2228.4
2689.0	22.5°	2682.3	2667.1	2691.8	2671.8	2495.8	2340.7	2241.8	2156.1	2108.5	2089.5
2939.2	25°	2893.5	2875.5	2868.8	2745.1	2461.6	2256.0	2095.2	1991.5	1949.6	1939.2
3299.8	27.5°	3212.3	3166.6	3080.0	2785.1	2398.8	2122.8	1924.0	1827.9	1804.1	1805.0
3763.2	30°	3636.7	3545.3	3333.1	2791.7	2296.0	1934.4	1748.9	1680.4	1668.9	1673.7
4152.4	32.5°	4029.6	3943.1	3592.0	2761.3	2138.0	1749.8	1591.9	1546.2	1529.1	1534.8
4449.3	35°	4337.9	4314.1	3831.7	2718.5	1943.9	1576.7	1451.1	1412.0	1378.7	1371.1
4729.0	37.5°	4629.1	4619.6	4011.6	2658.5	1751.7	1453.9	1337.8	1286.4	1237.9	1211.3
5038.2	40°	4948.8	4939.3	4129.6	2566.2	1581.4	1347.3	1236.0	1168.5	1108.5	1060.0
5388.4	42.5°	5308.5	5252.3	4185.7	2434.0	1436.8	1256.9	1153.2	1061.9	982.9	938.2
5784.2	45°	5701.4	5574.9	4184.7	2265.5	1315.0	1174.2	1064.7	935.3	862.1	820.2
6190.5	47.5°	6118.2	5883.2	4133.4	2079.1	1197.0	1082.8	927.7	828.8	780.2	754.5
6632.0	50°	6548.3	6171.5	4045.8	1865.0	1076.2	979.1	842.1	774.5	737.4	713.6
7069.7	52.5°	6952.7	6433.2	3940.2	1622.3	953.4	878.2	804.0	751.7	712.7	686.0
7494.1	55°	7328.5	6658.7	3790.8	1374.0	853.5	810.7	785.9	742.2	697.5	666.1
7925.1	57.5°	7662.5	6805.2	3533.0	1140.9	782.1	764.1	766.9	726.0	674.6	648.0
8349.5	60°	7940.4	6912.7	3151.4	924.9	724.1	718.4	737.4	695.6	635.6	605.2
8708.2	62.5°	8106.9	6910.8	2683.3	757.4	674.6	676.5	698.4	657.5	596.6	568.1
8895.7	65°	8092.6	6741.5	2169.4	648.0	627.0	628.9	657.5	615.6	564.2	547.1
8801.5	67.5°	7806.2	6328.5	1664.2	576.6	574.7	583.3	616.6	587.1	544.3	542.4
8240.1	70°	7030.7	5471.2	1198.9	519.5	520.5	532.8	576.6	569.0	533.8	537.6
6927.9	72.5°	5637.7	4171.4	805.0	459.6	460.5	480.5	538.6	554.7	523.3	573.8
4915.5	75°	3754.7	2601.4	517.6	395.8	396.8	422.5	505.3	527.1	494.8	571.9
2557.7	77.5°	1804.1	1169.4	374.9	333.0	333.0	356.8	436.7	471.9	421.5	444.4
822.1	80°	623.2	439.6	295.0	268.3	262.6	278.8	368.2	409.1	363.5	334.9
268.3	82.5°	245.5	228.4	236.9	208.4	189.4	199.8	286.4	337.8	267.4	241.7
151.3	85°	140.8	148.4	167.5	138.0	109.4	122.7	210.3	242.6	201.7	177.9
49.5	87.5°	38.1	52.3	77.1	71.4	49.5	52.3	99.9	134.2	116.1	89.4
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°
2008.6
2060.0
2141.8
2240.8
2332.2
2364.5
2365.5
2323.6
2225.6
2086.7
1941.1
1807.9
1689.9
1542.4
1376.8
1212.2
1064.7
941.0
818.3
748.8
705.1
674.6
653.7
630.9
591.8
559.5
546.2
545.2
536.7
581.4
576.6
407.2
314.0
240.7
181.7
92.3
0.0

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