

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: P848496

Luminaire Tested: **GLAN-SB5A-830-U-T2**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848496  
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-SB5A-830-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 80 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 19278 lumens  
Efficiency: N/A  
Efficacy: 136.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G3

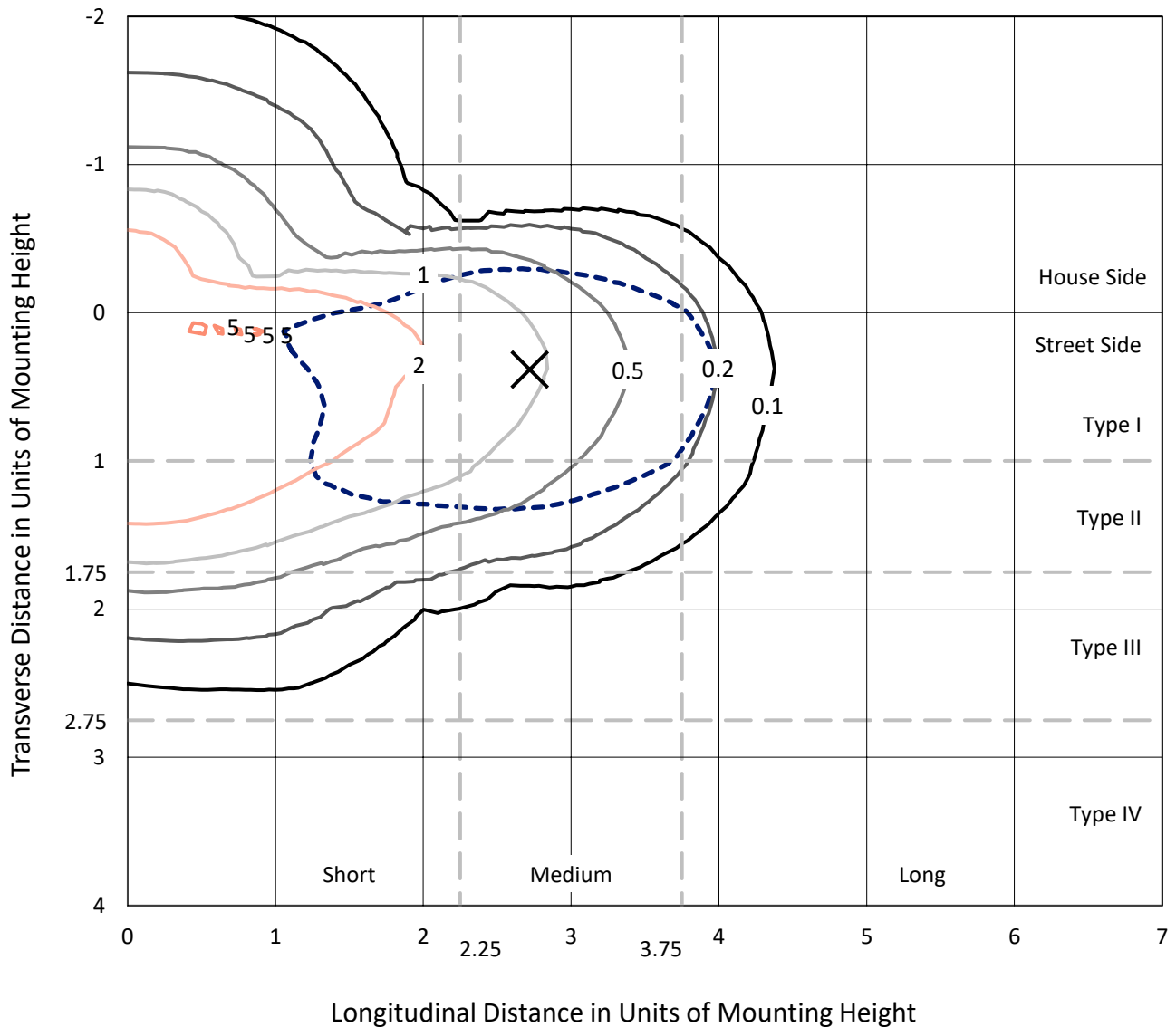
Input Watts (W): 141.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

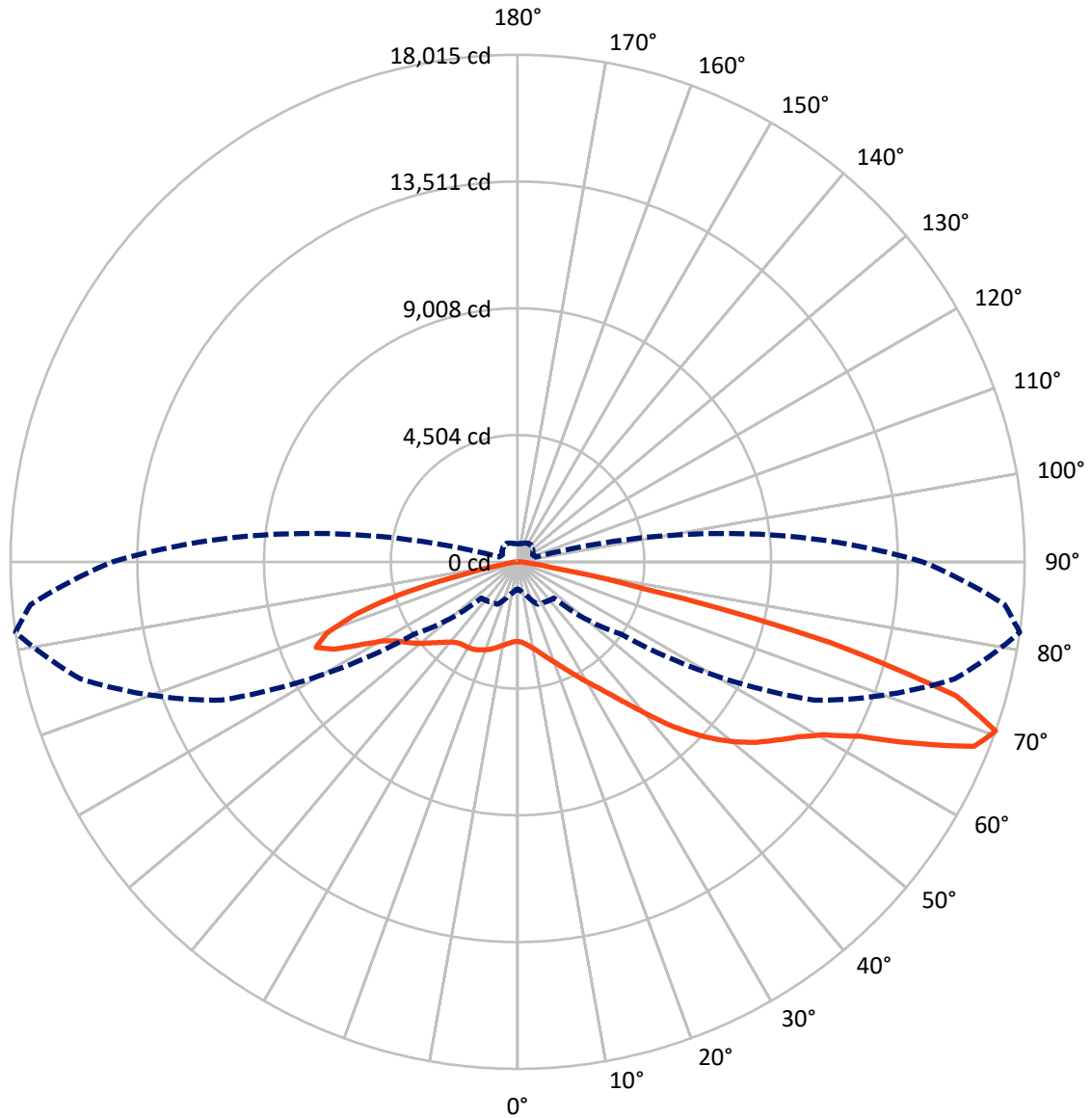
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 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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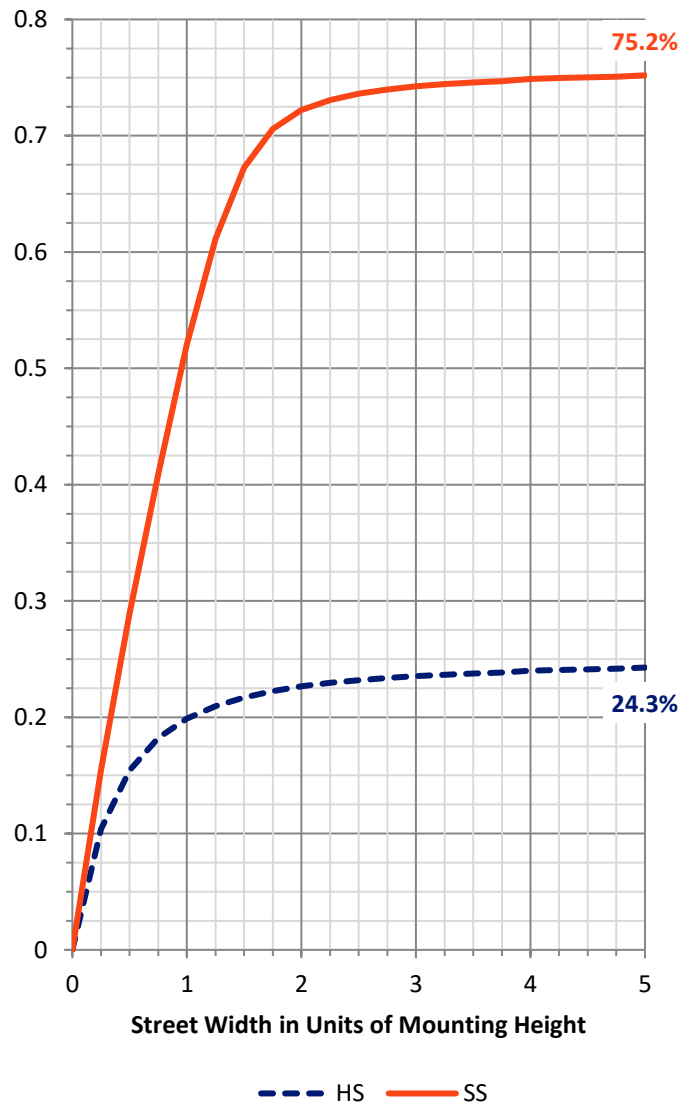
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4752.5	0.0	4752.5
	% Fixture	24.7	0.0	24.7
<b>Street Side</b>	Lumens	14525.5	0.0	14525.5
	% Fixture	75.3	0.0	75.3
<b>Total</b>	Lumens	19278.0	0.0	19278.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	266.9	1.4
10°-20°	766.7	4.0
20°-30°	1282.6	6.7
30°-40°	2003.8	10.4
40°-50°	3191.3	16.6
50°-60°	4441.1	23.0
60°-70°	4645.5	24.1
70°-80°	2428.0	12.6
80°-90°	252.1	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°	19278.0	100.0
0°-180°	19278.0	100.0

**Coefficient of Utilization**

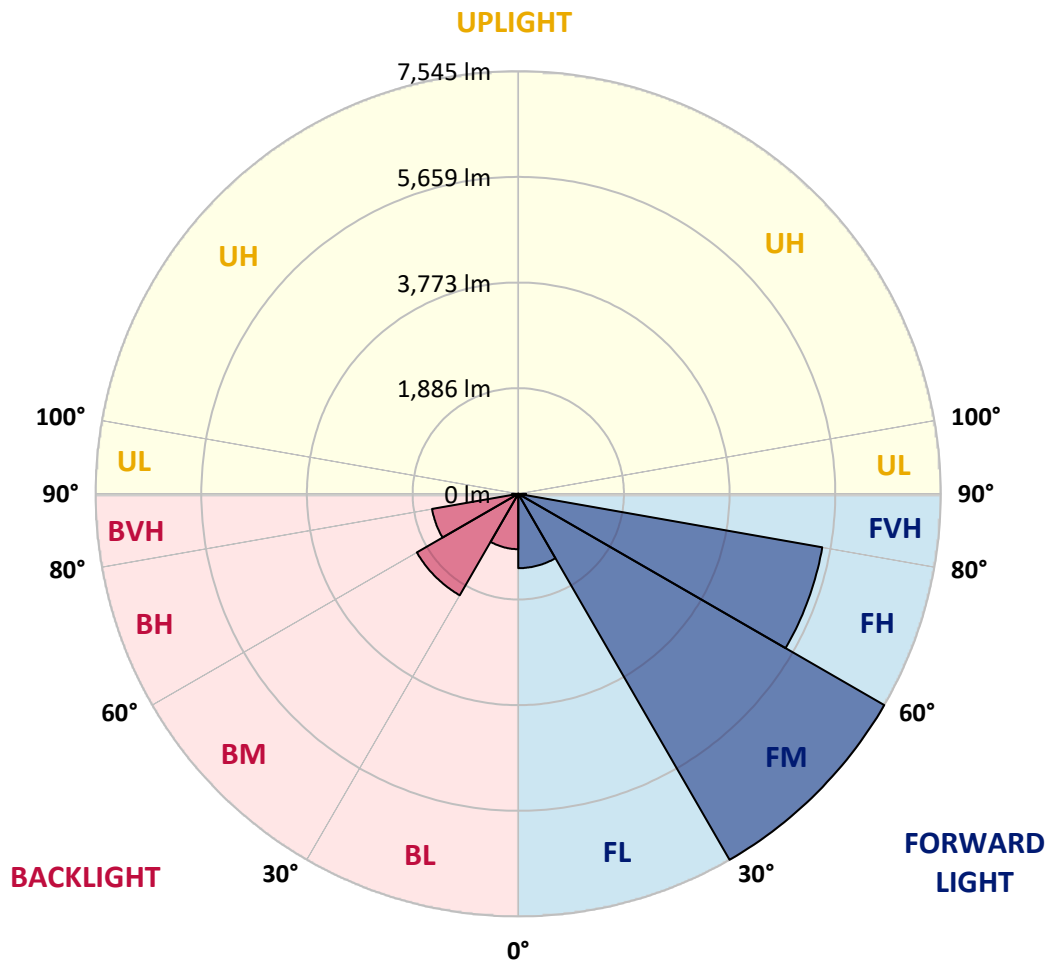


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1327.5	6.9			
FM (30°-60°)	7545.2	39.1			
FH (60°-80°)	5511.6	28.6			G3/7500
FVH (80°-90°)	141.1	0.7			G2/225
BL (0°-30°)	988.7	5.1	B2/1000		
BM (30°-60°)	2090.9	10.8	B2/2500		
BH (60°-80°)	1561.9	8.1	B3/2500		G3/2500
BVH (80°-90°)	111.0	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°	2826.4	2826.4	2826.4	2826.4	2826.4	2826.4	2826.4	2826.4	2826.4	2826.4
2.5°	2893.9	2910.3	2905.2	2900.0	2900.0	2892.9	2891.9	2881.6	2873.5	2860.2
5°	2930.7	2948.1	2946.1	2950.2	2963.5	2966.5	2969.6	2963.5	2947.1	2930.7
7.5°	2898.0	2917.4	2923.6	2948.1	2989.0	3025.9	3053.5	3064.7	3049.4	3025.9
10°	2787.5	2809.0	2830.5	2888.8	2961.4	3048.4	3122.0	3166.0	3162.9	3140.4
12.5°	2563.5	2586.0	2632.0	2745.6	2878.6	3032.0	3169.1	3261.1	3292.9	3276.5
15°	2384.5	2403.9	2438.7	2555.3	2728.2	2961.4	3186.5	3365.5	3446.3	3437.1
17.5°	2379.4	2387.6	2409.0	2464.3	2597.3	2850.9	3168.1	3467.8	3622.2	3621.2
20°	2469.4	2472.5	2484.7	2496.0	2571.7	2767.1	3121.0	3552.7	3819.7	3819.7
22.5°	2594.2	2592.1	2604.4	2594.2	2631.0	2759.9	3091.3	3627.4	4039.6	4056.0
25°	2781.4	2771.2	2768.1	2744.6	2751.7	2826.4	3124.1	3712.3	4300.5	4334.2
27.5°	3031.0	3014.6	3003.4	2949.1	2930.7	2963.5	3224.3	3814.6	4591.0	4649.3
30°	3356.3	3326.6	3310.2	3216.1	3149.6	3154.8	3375.7	3950.6	4894.8	4988.9
32.5°	3800.2	3754.2	3710.2	3555.8	3434.0	3394.1	3571.1	4138.8	5224.2	5374.6
35°	4297.4	4260.6	4213.5	3975.2	3788.0	3695.9	3835.0	4401.7	5609.8	5848.2
37.5°	4776.1	4744.4	4766.9	4445.7	4204.3	4070.3	4180.8	4754.6	6085.5	6437.4
40°	5271.2	5246.7	5249.8	4942.9	4661.6	4511.2	4600.2	5197.6	6630.7	7138.1
42.5°	5809.3	5790.9	5729.5	5457.4	5141.3	5001.2	5083.0	5709.1	7215.9	7936.0
45°	6411.8	6400.6	6343.3	6031.3	5669.2	5511.6	5622.1	6273.7	7804.0	8686.8
47.5°	6932.5	6941.7	6934.5	6671.6	6296.2	6065.0	6197.0	6862.9	8351.3	9392.7
50°	7183.1	7231.2	7301.8	7219.9	6986.7	6751.4	6777.0	7431.7	8873.0	10054.5
52.5°	7052.2	7143.2	7335.5	7466.5	7556.5	7507.4	7438.9	7996.4	9364.0	10651.9
55°	6564.2	6692.1	7011.3	7327.4	7786.7	8143.7	8233.7	8622.4	9842.8	11177.7
57.5°	5675.3	5883.0	6169.4	6808.7	7582.1	8451.6	9160.5	9490.9	10350.2	11739.3
60°	4151.1	4429.4	4785.3	5736.7	6866.0	8286.9	9949.2	10824.8	11071.3	12466.6
62.5°	2656.6	2828.4	3155.8	4051.9	5350.0	7442.9	10190.6	12492.2	12293.7	13659.4
65°	1818.8	1929.3	2229.0	2732.3	3458.6	5540.3	9544.1	13742.2	14235.3	15549.8
67.5°	1321.6	1405.5	1661.3	2102.2	2253.5	3278.5	7406.1	13685.0	16122.6	17497.5
70°	963.6	1022.9	1237.8	1661.3	1733.9	1823.9	4486.6	11632.9	16081.7	18015.1
72.5°	714.0	754.9	899.2	1288.9	1403.5	1231.6	2220.8	8454.6	13819.0	16294.5
75°	516.6	547.3	653.7	986.1	1123.2	938.0	1107.8	4940.8	9639.2	11462.1
77.5°	394.9	418.4	487.9	722.2	899.2	703.8	687.4	2273.0	4570.5	4593.0
80°	317.1	332.5	370.3	508.4	689.5	526.8	448.0	917.6	1444.4	1222.4
82.5°	233.2	258.8	313.0	357.0	493.1	363.1	273.1	463.4	549.3	472.6
85°	133.0	150.4	189.2	255.7	315.1	222.0	156.5	205.6	255.7	209.7
87.5°	47.1	61.4	66.5	100.2	137.1	92.1	60.4	59.3	83.9	62.4
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°
2826.4	0°	2826.4	2826.4	2826.4	2826.4	2826.4	2826.4	2826.4	2826.4	2826.4	2826.4
2857.1	2.5°	2846.9	2841.7	2821.3	2793.7	2765.0	2737.4	2728.2	2708.8	2695.5	2688.3
2923.6	5°	2904.1	2887.8	2839.7	2778.3	2713.9	2644.3	2595.2	2550.2	2517.5	2486.8
3014.6	7.5°	2986.0	2957.3	2874.5	2767.1	2652.5	2536.9	2451.0	2385.5	2341.5	2312.9
3121.0	10°	3081.1	3037.1	2910.3	2749.7	2572.7	2407.0	2305.7	2249.5	2221.8	2206.5
3242.7	12.5°	3190.6	3128.2	2947.1	2709.8	2451.0	2261.7	2192.2	2175.8	2176.8	2177.8
3396.2	15°	3325.6	3238.6	2976.8	2622.8	2292.4	2150.2	2138.0	2164.6	2192.2	2205.5
3570.1	17.5°	3478.0	3355.3	2981.9	2479.6	2136.9	2078.6	2117.5	2174.8	2216.7	2235.1
3764.4	20°	3641.7	3473.9	2945.1	2277.1	2009.1	2020.3	2089.9	2163.5	2209.6	2233.1
3986.4	22.5°	3828.9	3600.8	2857.1	2064.3	1904.7	1956.9	2038.7	2110.3	2158.4	2181.9
4247.3	25°	4042.7	3743.0	2719.0	1885.3	1814.7	1885.3	1967.1	2026.5	2065.3	2086.8
4538.8	27.5°	4280.0	3891.3	2534.9	1743.1	1735.9	1811.6	1879.1	1925.2	1945.6	1962.0
4848.8	30°	4518.3	4026.3	2311.9	1635.7	1667.4	1739.0	1787.1	1807.5	1813.7	1816.7
5194.5	32.5°	4776.1	4142.9	2077.6	1546.7	1601.9	1668.4	1697.1	1706.3	1677.6	1658.2
5613.9	35°	5088.1	4267.7	1848.5	1476.1	1537.5	1594.8	1604.0	1595.8	1562.0	1522.1
6139.7	37.5°	5473.8	4423.2	1665.4	1426.0	1477.1	1515.0	1503.7	1501.7	1504.8	1457.7
6771.9	40°	5946.4	4625.8	1531.3	1387.1	1428.0	1436.2	1404.5	1421.9	1437.2	1365.6
7465.4	42.5°	6471.1	4870.2	1446.4	1360.5	1387.1	1367.7	1318.6	1338.0	1336.0	1241.9
8162.1	45°	7006.1	5136.2	1416.8	1341.1	1349.3	1310.4	1256.2	1261.3	1218.3	1133.4
8830.1	47.5°	7538.1	5421.6	1435.2	1324.7	1302.2	1258.2	1216.3	1193.8	1130.4	1066.9
9470.4	50°	8059.8	5721.3	1502.7	1292.0	1237.8	1212.2	1181.5	1141.6	1074.1	1019.9
10076.0	52.5°	8543.6	6023.1	1578.4	1237.8	1157.0	1172.3	1152.9	1106.8	1040.3	985.1
10648.9	55°	9001.9	6324.9	1608.1	1163.1	1081.3	1137.5	1126.3	1041.4	961.6	916.6
11248.3	57.5°	9501.1	6688.0	1575.3	1068.0	1019.9	1097.6	1054.7	960.5	914.5	880.8
12028.8	60°	10192.6	7257.8	1504.8	950.3	961.6	1038.3	964.6	925.8	875.6	837.8
13199.1	62.5°	11341.4	8320.6	1391.2	833.7	893.0	950.3	921.7	882.8	831.7	794.8
15199.9	65°	13039.5	9797.8	1177.4	742.7	816.3	864.4	875.6	836.8	783.6	744.7
16953.3	67.5°	14471.6	10724.6	891.0	667.0	737.5	794.8	826.5	788.7	732.4	694.6
17363.5	70°	14392.8	10051.5	680.3	592.3	668.0	726.3	767.2	737.5	677.2	641.4
15771.8	72.5°	12783.7	8408.6	550.3	516.6	597.4	654.7	703.8	681.3	619.9	585.1
11554.2	75°	9391.7	5968.9	439.9	439.9	509.4	580.0	634.2	619.9	563.6	539.1
4850.8	77.5°	3958.8	2504.2	344.7	365.2	423.5	498.2	565.7	570.8	521.7	552.4
1282.8	80°	1052.6	690.5	262.9	287.4	332.5	411.2	492.0	490.0	436.8	408.2
476.7	82.5°	401.0	272.1	187.2	202.5	240.4	315.1	389.7	402.0	348.8	301.8
187.2	85°	154.5	116.6	115.6	121.7	140.1	208.7	294.6	304.8	262.9	223.0
52.2	87.5°	39.9	34.8	43.0	40.9	64.4	111.5	168.8	174.9	160.6	93.1
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°
2826.4
2696.5
2499.1
2319.0
2210.6
2179.9
2204.4
2239.2
2239.2
2188.1
2092.9
1968.1
1823.9
1664.3
1524.2
1460.8
1367.7
1240.8
1136.5
1066.9
1015.8
986.1
912.5
877.7
835.7
794.8
746.7
695.6
644.5
585.1
531.9
501.2
379.5
301.8
230.2
133.0
0.0

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