

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: P847496

Luminaire Tested: **GLAN-SB3C-840-U-T2**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847496  
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-SB3C-840-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 80 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 19800 lumens  
Efficiency: N/A  
Efficacy: 132.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G3

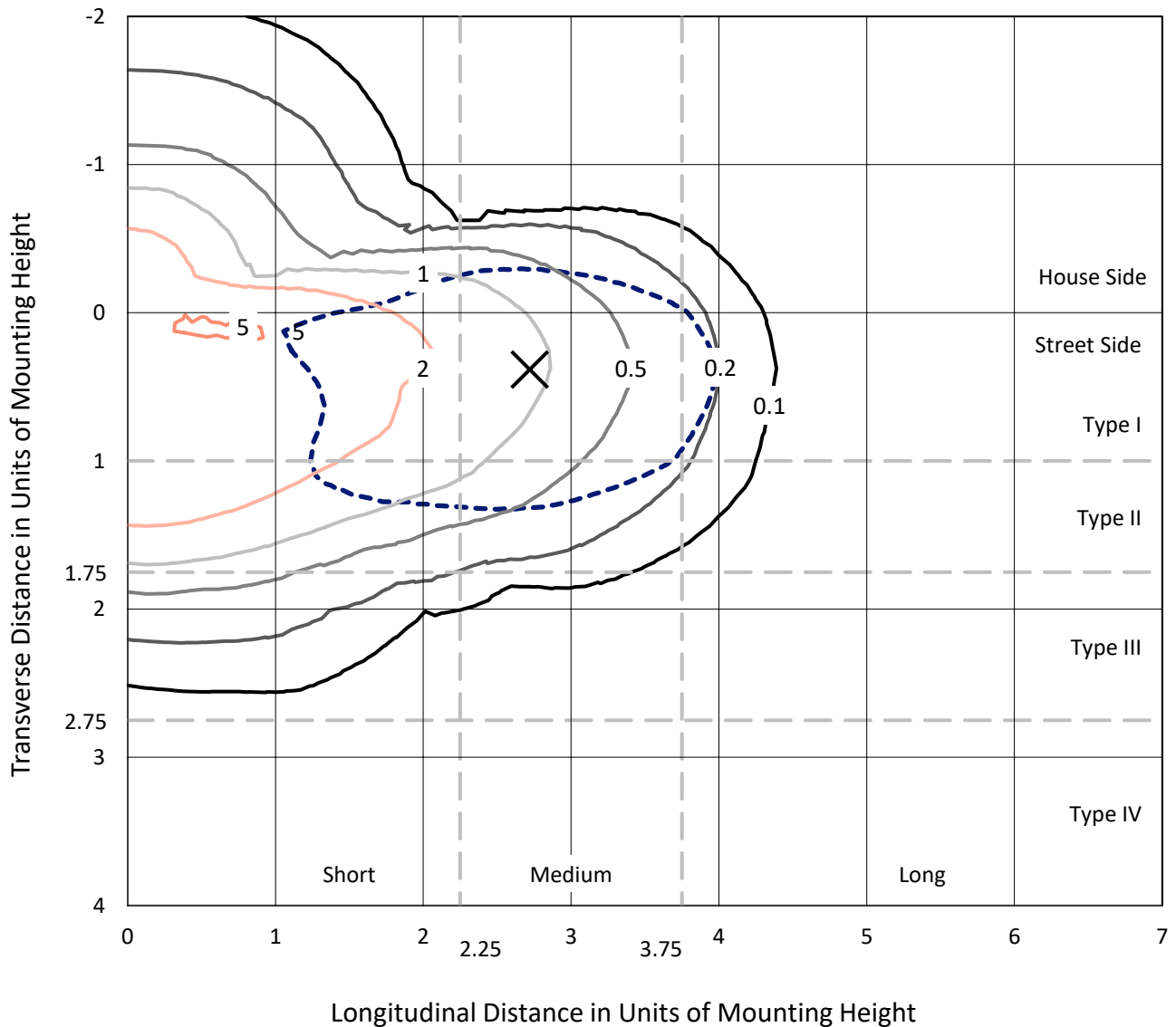
Input Watts (W): 149.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

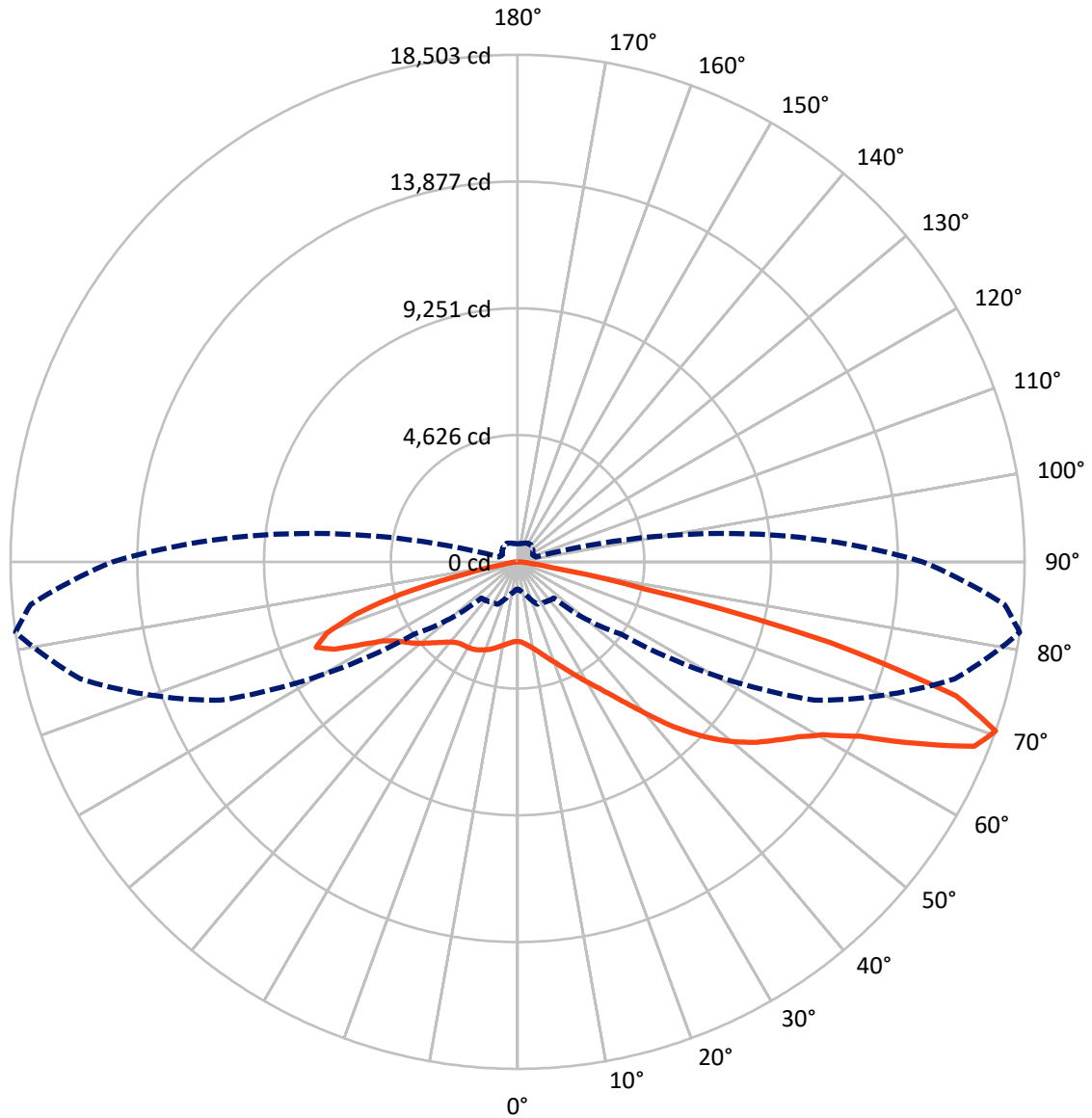
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 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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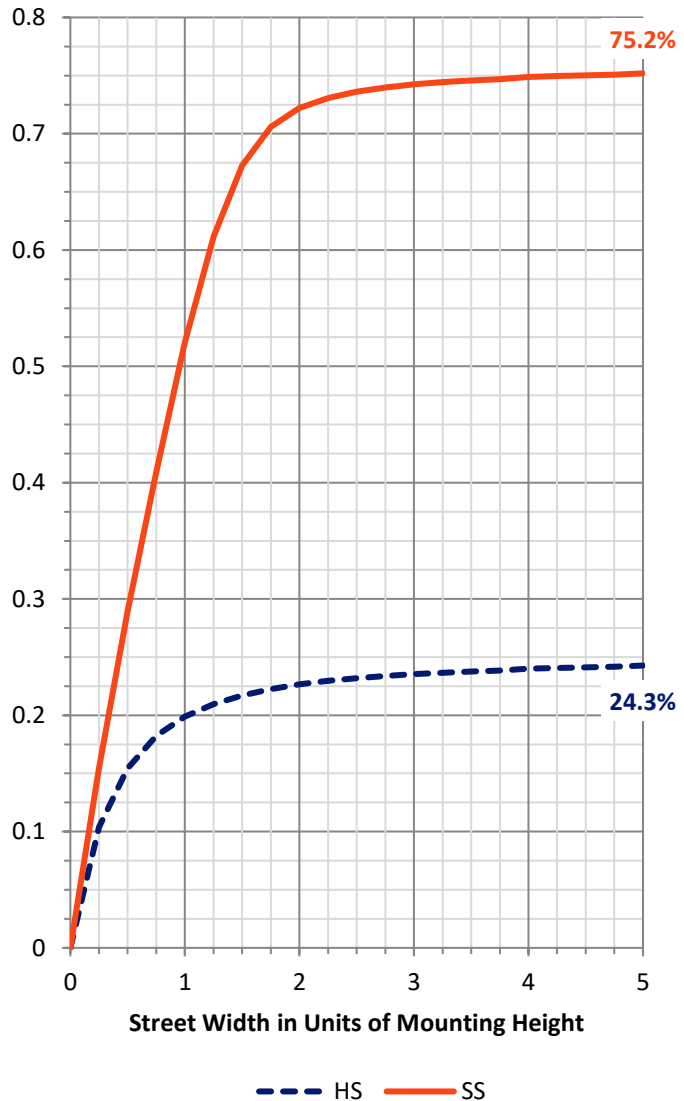
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4881.2	0.0	4881.2
	% Fixture	24.7	0.0	24.7
<b>Street Side</b>	Lumens	14918.8	0.0	14918.8
	% Fixture	75.3	0.0	75.3
<b>Total</b>	Lumens	19800.0	0.0	19800.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	274.1	1.4
10°-20°	787.5	4.0
20°-30°	1317.4	6.7
30°-40°	2058.1	10.4
40°-50°	3277.7	16.6
50°-60°	4561.3	23.0
60°-70°	4771.3	24.1
70°-80°	2493.8	12.6
80°-90°	259.0	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°	19800.0	100.0
0°-180°	19800.0	100.0

**Coefficient of Utilization**

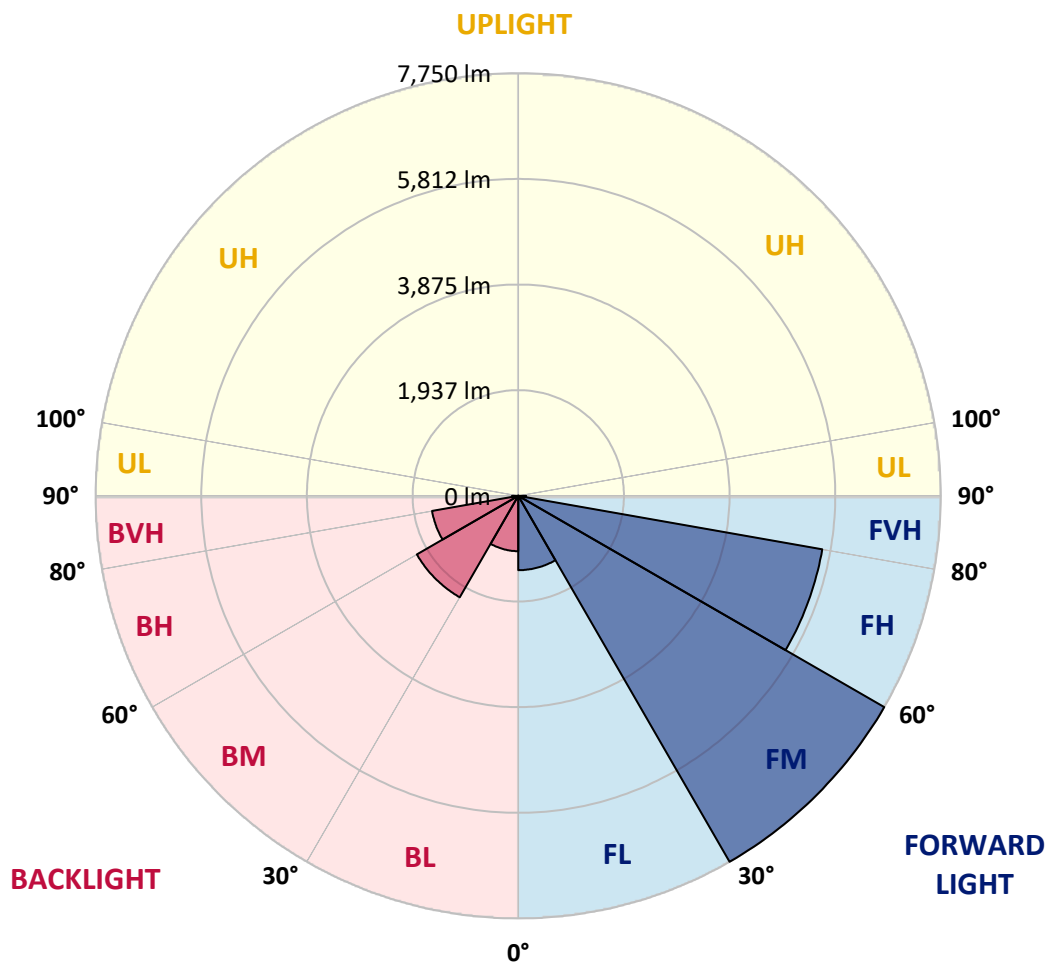


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1363.4	6.9			
FM (30°-60°)	7749.5	39.1			
FH (60°-80°)	5660.9	28.6			G3/7500
FVH (80°-90°)	145.0	0.7			G2/225
BL (0°-30°)	1015.5	5.1	B3/2500		
BM (30°-60°)	2147.5	10.8	B2/2500		
BH (60°-80°)	1604.2	8.1	B3/2500		G3/2500
BVH (80°-90°)	114.0	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°	2902.9	2902.9	2902.9	2902.9	2902.9	2902.9	2902.9	2902.9	2902.9	2902.9
2.5°	2972.3	2989.1	2983.8	2978.6	2978.6	2971.2	2970.2	2959.7	2951.3	2937.6
5°	3010.1	3028.0	3025.9	3030.1	3043.7	3046.9	3050.0	3043.7	3026.9	3010.1
7.5°	2976.5	2996.4	3002.7	3028.0	3070.0	3107.8	3136.2	3147.7	3132.0	3107.8
10°	2863.0	2885.1	2907.1	2967.0	3041.6	3130.9	3206.6	3251.7	3248.6	3225.5
12.5°	2632.9	2656.0	2703.3	2819.9	2956.5	3114.1	3254.9	3349.5	3382.0	3365.2
15°	2449.0	2469.0	2504.7	2624.5	2802.1	3041.6	3272.8	3456.6	3539.6	3530.2
17.5°	2443.8	2452.2	2474.3	2531.0	2667.6	2928.1	3253.8	3561.7	3720.3	3719.3
20°	2536.3	2539.4	2552.0	2563.6	2641.3	2842.0	3205.5	3648.9	3923.1	3923.1
22.5°	2664.4	2662.3	2674.9	2664.4	2702.3	2834.6	3175.0	3725.6	4149.0	4165.8
25°	2856.7	2846.2	2843.0	2818.9	2826.2	2902.9	3208.7	3812.8	4416.9	4451.6
27.5°	3113.1	3096.2	3084.7	3029.0	3010.1	3043.7	3311.6	3917.8	4715.3	4775.2
30°	3447.2	3416.7	3399.9	3303.2	3234.9	3240.2	3467.1	4057.6	5027.3	5124.0
32.5°	3903.1	3855.9	3810.7	3652.0	3527.0	3486.0	3667.8	4250.9	5365.6	5520.1
35°	4413.8	4375.9	4327.6	4082.8	3890.5	3796.0	3938.9	4520.9	5761.7	6006.5
37.5°	4905.5	4872.9	4896.0	4566.1	4318.1	4180.5	4294.0	4883.4	6250.3	6611.7
40°	5414.0	5388.7	5391.9	5076.7	4787.8	4633.3	4724.7	5338.3	6810.3	7331.4
42.5°	5966.6	5947.7	5884.7	5605.2	5280.5	5136.6	5220.6	5863.6	7411.2	8150.9
45°	6585.4	6573.9	6515.0	6194.6	5822.7	5660.9	5774.3	6443.6	8015.4	8922.1
47.5°	7120.2	7129.7	7122.3	6852.3	6466.7	6229.3	6364.8	7048.8	8577.5	9647.0
50°	7377.6	7427.0	7499.5	7415.4	7175.9	6934.2	6960.5	7632.9	9113.3	10326.8
52.5°	7243.1	7336.6	7534.2	7668.6	7761.1	7710.7	7640.3	8212.9	9617.6	10940.3
55°	6742.0	6873.3	7201.1	7525.8	7997.5	8364.2	8456.6	8855.9	10109.3	11480.4
57.5°	5829.0	6042.2	6336.4	6993.1	7787.4	8680.4	9408.5	9747.9	10630.4	12057.2
60°	4263.5	4549.3	4914.9	5892.0	7051.9	8511.3	10218.6	11117.9	11371.1	12804.2
62.5°	2728.5	2905.0	3241.2	4161.6	5494.9	7644.5	10466.5	12830.5	12626.6	14029.2
65°	1868.0	1981.5	2289.4	2806.3	3552.2	5690.3	9802.5	14114.3	14620.8	15970.8
67.5°	1357.4	1443.6	1706.2	2159.1	2314.6	3367.3	7606.7	14055.5	16559.2	17971.3
70°	989.7	1050.6	1271.3	1706.2	1780.8	1873.3	4608.1	11947.9	16517.2	18502.9
72.5°	733.3	775.4	923.5	1323.8	1441.5	1265.0	2280.9	8683.6	14193.1	16735.7
75°	530.6	562.1	671.4	1012.8	1153.6	963.4	1137.8	5074.6	9900.2	11772.5
77.5°	405.5	429.7	501.2	741.8	923.5	722.8	706.0	2334.5	4694.3	4717.4
80°	325.7	341.5	380.3	522.2	708.1	541.1	460.2	942.4	1483.5	1255.5
82.5°	239.5	265.8	321.5	366.7	506.4	373.0	280.5	475.9	564.2	485.4
85°	136.6	154.4	194.4	262.7	323.6	228.0	160.7	211.2	262.7	215.4
87.5°	48.3	63.0	68.3	103.0	140.8	94.6	62.0	60.9	86.2	64.1
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°
2902.9	0°	2902.9	2902.9	2902.9	2902.9	2902.9	2902.9	2902.9	2902.9	2902.9	2902.9
2934.4	2.5°	2923.9	2918.7	2897.7	2869.3	2839.9	2811.5	2802.1	2782.1	2768.4	2761.1
3002.7	5°	2982.8	2966.0	2916.6	2853.5	2787.4	2715.9	2665.5	2619.3	2585.6	2554.1
3096.2	7.5°	3066.8	3037.4	2952.3	2842.0	2724.3	2605.6	2517.3	2450.1	2404.9	2375.5
3205.5	10°	3164.5	3119.4	2989.1	2824.1	2642.4	2472.2	2368.2	2310.4	2282.0	2266.2
3330.5	12.5°	3277.0	3212.9	3026.9	2783.2	2517.3	2323.0	2251.5	2234.7	2235.8	2236.8
3488.1	15°	3415.6	3326.3	3057.4	2693.8	2354.5	2208.5	2195.8	2223.2	2251.5	2265.2
3666.7	17.5°	3572.2	3446.1	3062.6	2546.8	2194.8	2134.9	2174.8	2233.7	2276.7	2295.7
3866.4	20°	3740.3	3568.0	3024.8	2338.7	2063.5	2075.0	2146.5	2222.1	2269.4	2293.6
4094.4	22.5°	3932.6	3698.3	2934.4	2120.2	1956.3	2009.9	2093.9	2167.5	2216.9	2241.0
4362.3	25°	4152.1	3844.3	2792.6	1936.3	1863.8	1936.3	2020.4	2081.3	2121.2	2143.3
4661.7	27.5°	4395.9	3996.6	2603.5	1790.3	1782.9	1860.7	1930.0	1977.3	1998.3	2015.1
4980.0	30°	4640.7	4135.3	2374.5	1680.0	1712.5	1786.1	1835.5	1856.5	1862.8	1865.9
5335.2	32.5°	4905.5	4255.1	2133.9	1588.6	1645.3	1713.6	1743.0	1752.5	1723.1	1703.1
5765.9	35°	5225.9	4383.3	1898.5	1516.1	1579.1	1638.0	1647.4	1639.0	1604.3	1563.4
6306.0	37.5°	5622.0	4543.0	1710.4	1464.6	1517.1	1556.0	1544.4	1542.3	1545.5	1497.2
6955.3	40°	6107.4	4751.0	1572.8	1424.7	1466.7	1475.1	1442.5	1460.4	1476.2	1402.6
7667.6	42.5°	6646.4	5002.1	1485.6	1397.4	1424.7	1404.7	1354.3	1374.2	1372.1	1275.5
8383.1	45°	7195.9	5275.3	1455.1	1377.4	1385.8	1345.9	1290.2	1295.4	1251.3	1164.1
9069.2	47.5°	7742.2	5568.4	1474.1	1360.6	1337.5	1292.3	1249.2	1226.1	1161.0	1095.8
9726.9	50°	8278.0	5876.2	1543.4	1327.0	1271.3	1245.0	1213.5	1172.5	1103.2	1047.5
10348.8	52.5°	8775.0	6186.2	1621.1	1271.3	1188.3	1204.0	1184.1	1136.8	1068.5	1011.8
10937.2	55°	9245.7	6496.1	1651.6	1194.6	1110.5	1168.3	1156.8	1069.6	987.6	941.4
11552.9	57.5°	9758.4	6869.1	1618.0	1096.9	1047.5	1127.3	1083.2	986.6	939.3	904.6
12354.5	60°	10468.6	7454.3	1545.5	976.0	987.6	1066.4	990.8	950.8	899.4	860.5
13556.5	62.5°	11648.5	8545.9	1428.9	856.3	917.2	976.0	946.6	906.7	854.2	816.3
15611.5	65°	13392.6	10063.1	1209.3	762.8	838.4	887.8	899.4	859.4	804.8	764.9
17412.3	67.5°	14863.5	11014.9	915.1	685.0	757.5	816.3	848.9	810.0	752.3	713.4
17833.6	70°	14782.6	10323.6	698.7	608.3	686.1	746.0	788.0	757.5	695.5	658.8
16198.8	72.5°	13129.9	8636.3	565.2	530.6	613.6	672.4	722.8	699.7	636.7	601.0
11867.0	75°	9646.0	6130.5	451.8	451.8	523.2	595.7	651.4	636.7	578.9	553.7
4982.2	77.5°	4066.0	2572.0	354.1	375.1	435.0	511.7	581.0	586.3	535.8	567.3
1317.5	80°	1081.1	709.2	270.0	295.2	341.5	422.4	505.4	503.3	448.6	419.2
489.6	82.5°	411.9	279.5	192.3	208.0	246.9	323.6	400.3	412.9	358.3	309.9
192.3	85°	158.6	119.8	118.7	125.0	143.9	214.3	302.6	313.1	270.0	229.0
53.6	87.5°	41.0	35.7	44.1	42.0	66.2	114.5	173.4	179.7	165.0	95.6
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°
2902.9
2769.5
2566.7
2381.8
2270.4
2238.9
2264.1
2299.9
2299.9
2247.3
2149.6
2021.4
1873.3
1709.4
1565.5
1500.3
1404.7
1274.4
1167.3
1095.8
1043.3
1012.8
937.2
901.5
858.4
816.3
767.0
714.4
661.9
601.0
546.3
514.8
389.8
309.9
236.4
136.6
0.0

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