

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: P848425

Luminaire Tested: **GLAN-SB5A-727-U-T2-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848425  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB5A-727-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 70 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14715 lumens  
Efficiency: N/A  
Efficacy: 103.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G2

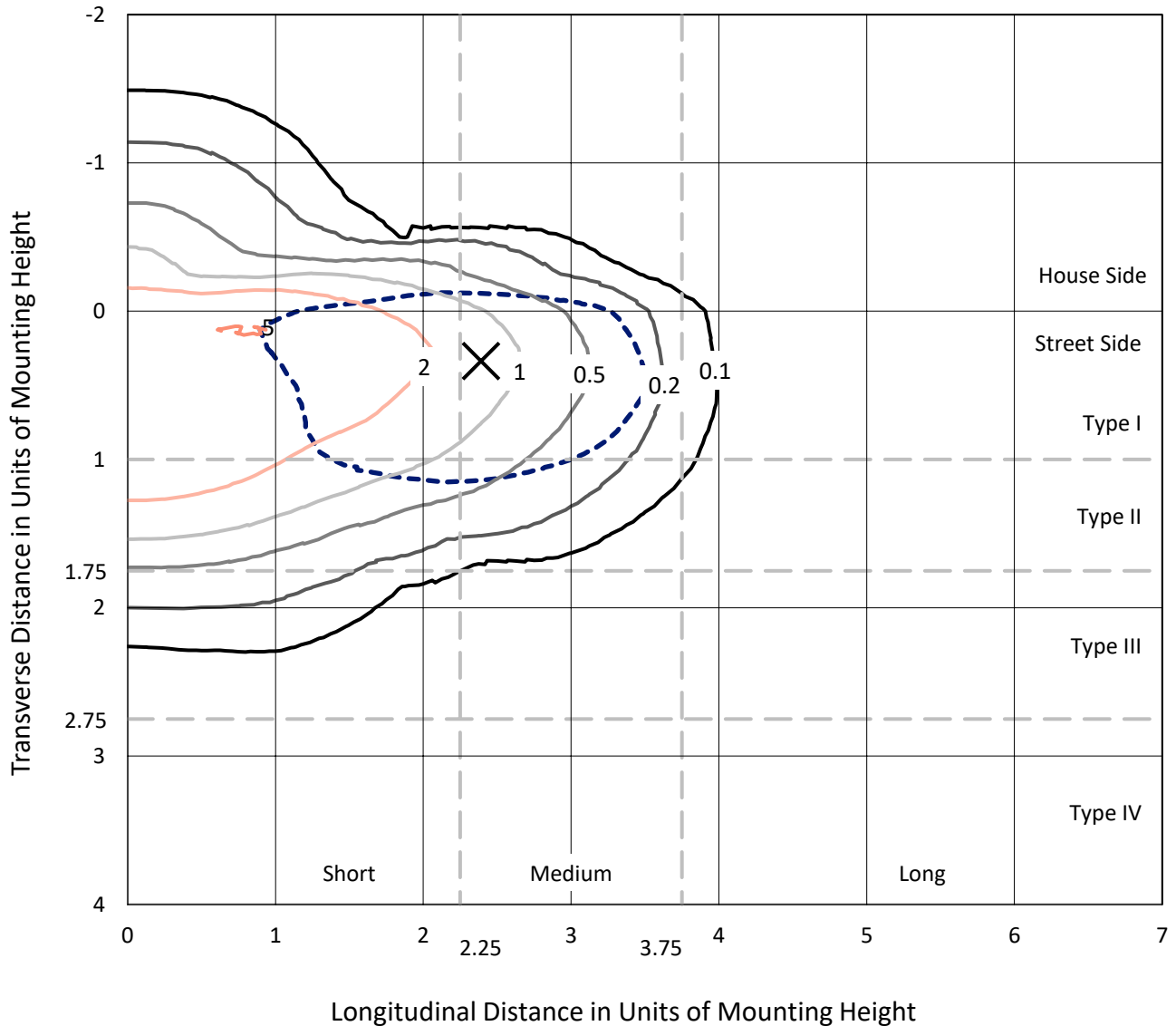
Input Watts (W): 141.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

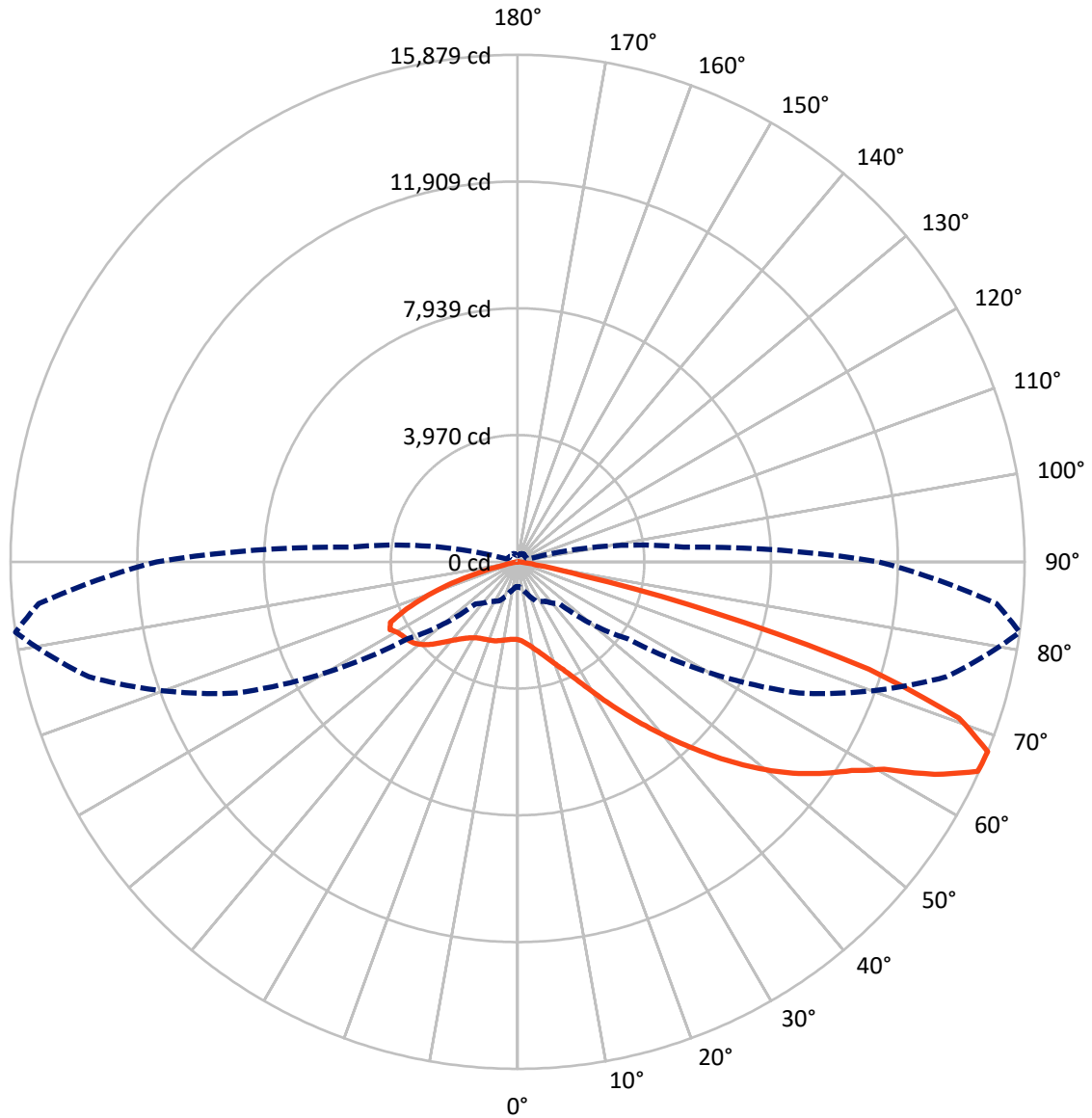
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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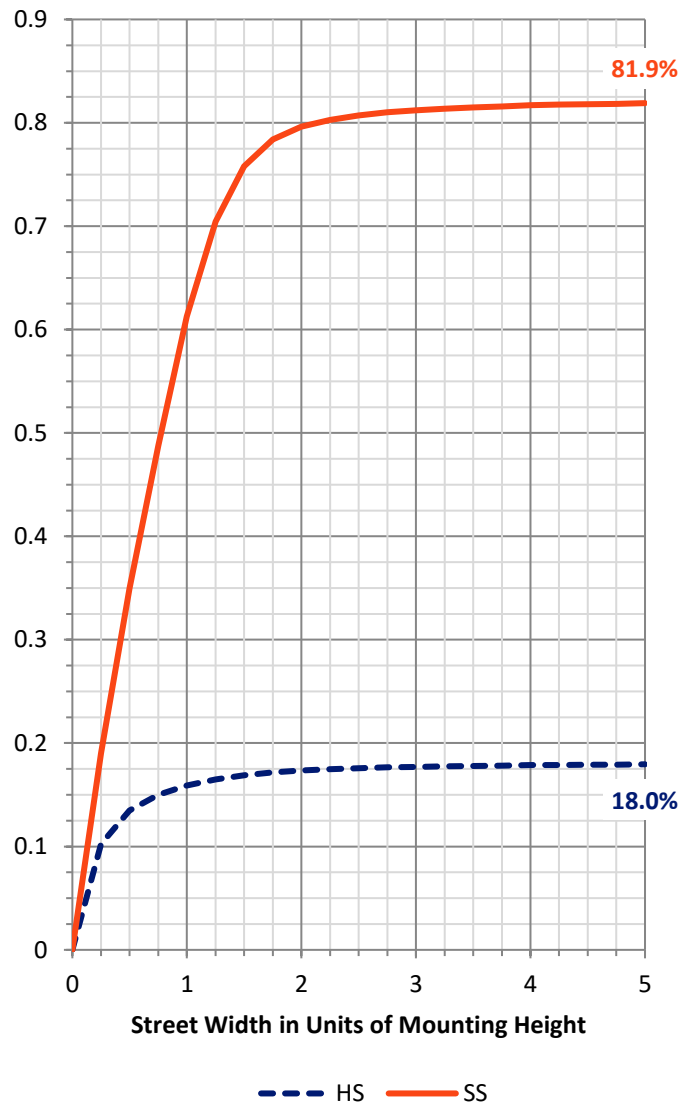
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2665.5	0.0	2665.5
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	12049.5	0.0	12049.5
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	14715.0	0.0	14715.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	217.2	1.5
10°-20°	564.4	3.8
20°-30°	904.0	6.1
30°-40°	1598.5	10.9
40°-50°	2800.7	19.0
50°-60°	3735.3	25.4
60°-70°	3477.4	23.6
70°-80°	1334.6	9.1
80°-90°	82.9	0.6
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°	14715.0	100.0
0°-180°	14715.0	100.0

**Coefficient of Utilization**

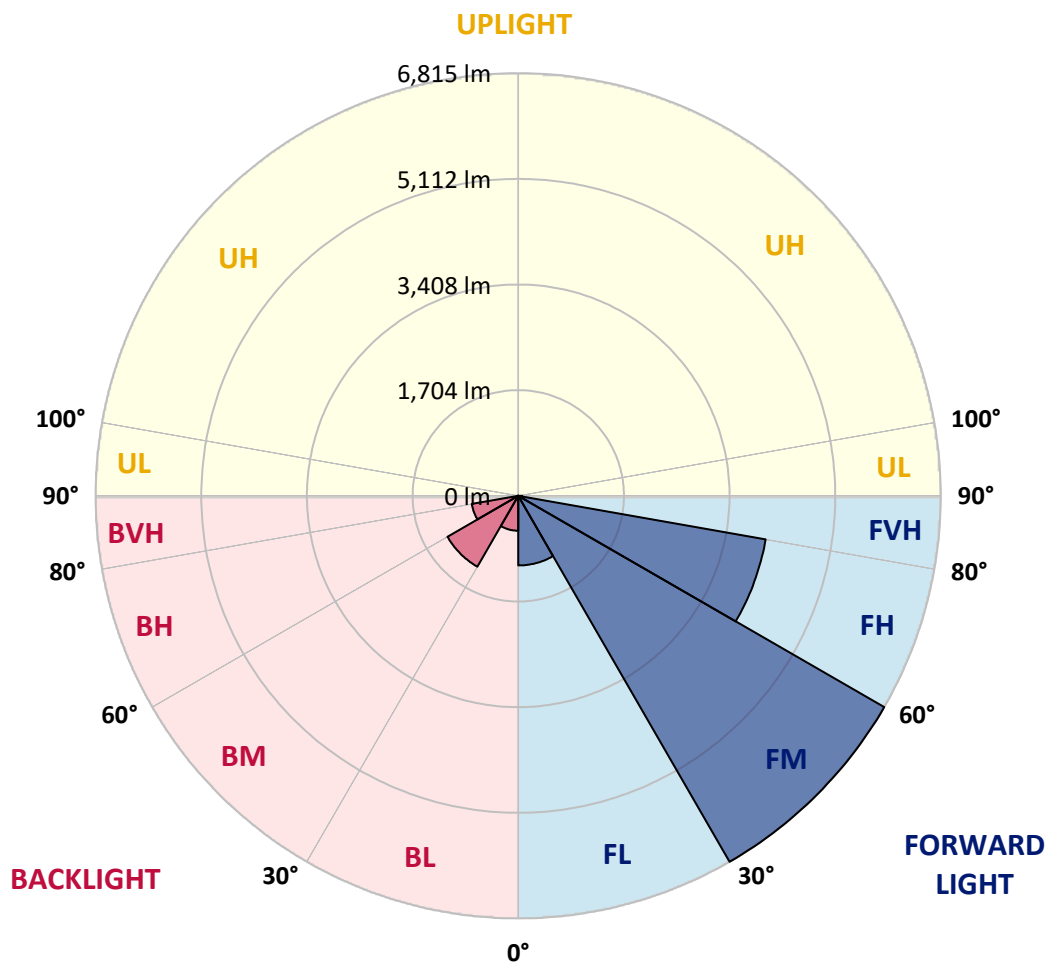


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1122.6	7.6			
FM (30°-60°)	6815.4	46.3			
FH (60°-80°)	4051.3	27.5			G2/5000
FVH (80°-90°)	60.3	0.4			G1/100
BL (0°-30°)	562.9	3.8	B2/1000		
BM (30°-60°)	1319.1	9.0	B2/2500		
BH (60°-80°)	760.8	5.2	B2/1000		G2/1000
BVH (80°-90°)	22.6	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**  
 Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	2437.8	2437.8	2437.8	2437.8	2437.8	2437.8	2437.8	2437.8	2437.8	2437.8
2.5°	2576.6	2591.4	2582.9	2578.7	2571.3	2560.7	2552.2	2525.7	2498.2	2480.2
5°	2628.5	2643.3	2642.2	2646.5	2651.8	2655.0	2652.8	2623.2	2584.0	2553.3
7.5°	2584.0	2600.9	2614.7	2635.9	2673.0	2712.2	2731.2	2724.9	2684.6	2642.2
10°	2457.9	2475.9	2508.8	2558.6	2637.0	2721.7	2792.7	2825.5	2800.1	2753.5
12.5°	2226.9	2245.0	2309.6	2417.6	2549.0	2696.3	2831.9	2919.8	2926.2	2879.6
15°	1967.4	1985.4	2054.3	2189.9	2390.1	2626.4	2853.1	3019.4	3075.6	3035.3
17.5°	1806.3	1822.2	1874.2	1983.3	2192.0	2486.5	2845.7	3125.4	3253.5	3221.8
20°	1757.6	1771.4	1795.8	1872.0	2045.8	2341.4	2796.9	3224.9	3445.3	3427.3
22.5°	1809.5	1822.2	1829.7	1863.6	1972.7	2246.0	2735.5	3326.6	3667.8	3669.9
25°	1929.2	1942.0	1933.5	1954.7	2002.3	2216.4	2712.2	3446.4	3947.5	3970.8
27.5°	2126.3	2127.4	2107.2	2106.2	2113.6	2260.9	2736.5	3574.6	4300.3	4343.7
30°	2521.5	2505.6	2428.2	2344.5	2306.4	2394.3	2804.3	3726.1	4716.6	4794.0
32.5°	3130.7	3107.3	2965.4	2765.1	2563.9	2609.4	2926.2	3898.7	5170.1	5309.9
35°	3791.7	3785.4	3637.1	3339.4	2987.6	2915.6	3124.3	4125.5	5664.8	5887.3
37.5°	4406.2	4403.0	4318.3	3967.6	3539.6	3342.5	3442.1	4422.1	6194.6	6516.6
40°	4967.7	4977.3	4892.5	4578.9	4147.7	3890.3	3874.4	4788.7	6783.6	7202.1
42.5°	5453.0	5463.5	5377.7	5145.7	4748.4	4496.3	4405.2	5237.9	7358.9	7938.4
45°	5782.4	5848.1	5835.4	5650.0	5365.0	5103.3	5042.9	5801.5	8014.7	8719.2
47.5°	5875.7	5936.1	6031.4	6056.8	5883.1	5625.6	5697.7	6480.6	8677.9	9501.1
50°	5645.8	5701.9	5900.0	6163.8	6284.6	6205.2	6334.4	7208.4	9357.0	10280.8
52.5°	5192.3	5249.5	5499.6	5917.0	6409.6	6659.7	6973.3	7925.7	10014.9	11019.3
55°	4536.5	4596.9	4917.9	5390.4	6171.3	6847.2	7506.2	8641.9	10617.7	11683.5
57.5°	3644.5	3689.0	4022.7	4683.8	5571.6	6660.7	7899.2	9423.7	11185.6	12336.2
60°	2375.3	2414.5	2802.2	3539.6	4577.9	6037.8	7977.6	10295.7	11939.9	13184.8
62.5°	1579.6	1606.1	1836.0	2377.4	3223.9	4841.7	7518.9	10991.7	13046.0	14661.6
65°	1083.8	1110.3	1340.2	1717.4	2082.9	3202.7	6199.9	10899.5	14048.2	15834.4
67.5°	773.4	795.6	990.6	1346.6	1507.6	1860.4	4202.8	9721.4	13904.1	15878.9
70°	554.1	566.8	727.8	1048.8	1198.2	1117.7	2337.1	7435.2	12174.1	14662.7
72.5°	387.8	392.0	505.4	798.8	965.2	815.8	1112.4	4957.1	9207.6	11508.7
75°	262.7	268.0	340.1	585.9	774.5	623.0	589.1	2658.1	5405.3	6370.4
77.5°	161.0	163.2	219.3	400.5	579.5	474.6	379.3	1126.2	2091.3	2053.2
80°	91.1	91.1	139.8	249.0	395.2	306.2	265.9	478.9	662.2	581.6
82.5°	50.9	51.9	101.7	154.7	261.7	181.2	146.2	221.4	286.0	253.2
85°	21.2	23.3	62.5	73.1	125.0	90.1	59.3	93.2	105.9	94.3
87.5°	2.1	3.2	19.1	13.8	14.8	18.0	8.5	18.0	14.8	14.8
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°
2437.8	0°	2437.8	2437.8	2437.8	2437.8	2437.8	2437.8	2437.8	2437.8	2437.8	2437.8
2473.8	2.5°	2453.7	2437.8	2397.5	2350.9	2289.5	2259.8	2219.5	2192.0	2168.7	2170.8
2535.2	5°	2501.3	2461.1	2371.0	2258.7	2118.9	2019.3	1913.4	1840.3	1780.9	1768.2
2620.0	7.5°	2567.0	2503.5	2345.6	2143.3	1907.0	1728.0	1568.0	1465.2	1392.1	1368.8
2722.8	10°	2651.8	2559.6	2312.8	1998.1	1658.0	1430.2	1258.6	1178.1	1128.3	1111.4
2843.5	12.5°	2750.3	2624.2	2269.3	1821.2	1401.6	1182.3	1073.2	1033.0	1017.1	1011.8
2991.9	15°	2874.3	2704.8	2203.6	1611.4	1184.5	1030.8	984.2	978.9	981.0	978.9
3169.9	17.5°	3021.5	2792.7	2096.6	1395.3	1038.3	953.5	936.5	940.8	946.1	945.0
3369.0	20°	3182.6	2879.6	1960.0	1203.5	938.7	898.4	888.9	893.1	897.3	895.2
3598.9	22.5°	3365.8	2972.8	1808.5	1054.1	871.9	847.6	837.0	838.0	838.0	833.8
3890.3	25°	3585.2	3075.6	1649.6	948.2	821.1	802.0	789.3	785.0	778.7	766.0
4244.1	27.5°	3846.8	3184.7	1497.0	874.0	780.8	762.8	748.0	737.4	721.5	700.3
4669.0	30°	4141.4	3317.1	1367.7	827.4	749.0	731.0	714.1	698.2	674.9	648.4
5157.4	32.5°	4487.8	3459.1	1273.5	796.7	720.4	701.4	681.2	662.2	636.7	610.2
5706.2	35°	4901.0	3630.7	1218.4	775.5	698.2	672.7	650.5	629.3	610.2	586.9
6302.6	37.5°	5349.1	3812.9	1201.4	764.9	683.3	644.1	618.7	603.9	601.8	588.0
6947.8	40°	5839.6	4029.1	1214.1	758.6	667.4	616.6	589.1	585.9	591.2	566.8
7637.5	42.5°	6358.8	4285.4	1235.3	751.1	645.2	589.1	562.6	562.6	558.3	524.4
8366.4	45°	6920.3	4581.0	1256.5	733.1	618.7	561.5	541.4	534.0	515.9	483.1
9099.6	47.5°	7486.0	4881.9	1272.4	700.3	586.9	538.2	520.2	503.2	476.7	447.1
9818.9	50°	8023.2	5152.1	1255.4	651.6	550.9	515.9	496.9	473.6	445.0	424.8
10500.1	52.5°	8503.1	5386.2	1183.4	594.3	512.8	492.6	475.7	451.3	428.0	406.8
11114.6	55°	8920.5	5575.8	1056.3	540.3	478.9	472.5	455.6	424.8	393.1	375.0
11723.8	57.5°	9321.0	5719.9	897.3	495.8	448.1	450.3	424.8	397.3	367.6	348.6
12544.9	60°	9853.9	5912.7	736.3	454.5	415.3	421.7	394.1	374.0	336.9	312.5
13952.9	62.5°	10705.7	6212.6	584.8	403.6	377.2	379.3	367.6	343.3	298.8	270.2
14996.4	65°	11381.6	6102.4	460.9	348.6	333.7	336.9	336.9	310.4	262.7	229.9
15052.6	67.5°	11305.3	5225.2	367.6	294.5	292.4	294.5	301.9	279.7	233.1	206.6
13906.2	70°	10414.3	4156.2	294.5	244.7	254.3	249.0	270.2	255.3	209.8	183.3
10780.9	72.5°	8497.8	2994.0	224.6	202.4	194.9	203.4	243.7	229.9	174.8	145.1
5710.4	75°	4965.6	1597.6	167.4	160.0	140.9	169.5	216.1	196.0	133.5	107.0
1750.2	77.5°	1616.7	557.3	122.9	117.6	104.9	136.7	184.3	165.3	109.1	84.8
512.8	80°	433.3	168.5	83.7	77.3	67.8	101.7	146.2	131.4	78.4	55.1
220.4	82.5°	173.7	71.0	48.7	43.4	37.1	69.9	115.5	105.9	58.3	35.0
68.9	85°	56.2	23.3	18.0	13.8	17.0	43.4	68.9	72.0	41.3	18.0
10.6	87.5°	7.4	3.2	3.2	4.2	3.2	7.4	21.2	20.1	11.7	2.1
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°
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2437.8
2149.6
1739.6
1345.5
1098.6
1008.6
977.9
942.9
894.2
831.7
763.9
698.2
646.3
611.3
584.8
586.9
567.9
524.4
482.0
446.0
421.7
404.7
372.9
346.4
309.4
268.0
226.7
202.4
180.1
142.0
103.8
81.6
54.0
35.0
13.8
0.0
0.0

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