

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: P848536

Luminaire Tested: **GLAN-SB5A-927-U-T2**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848536  
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-927-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14459 lumens  
Efficiency: N/A  
Efficacy: 102.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G3

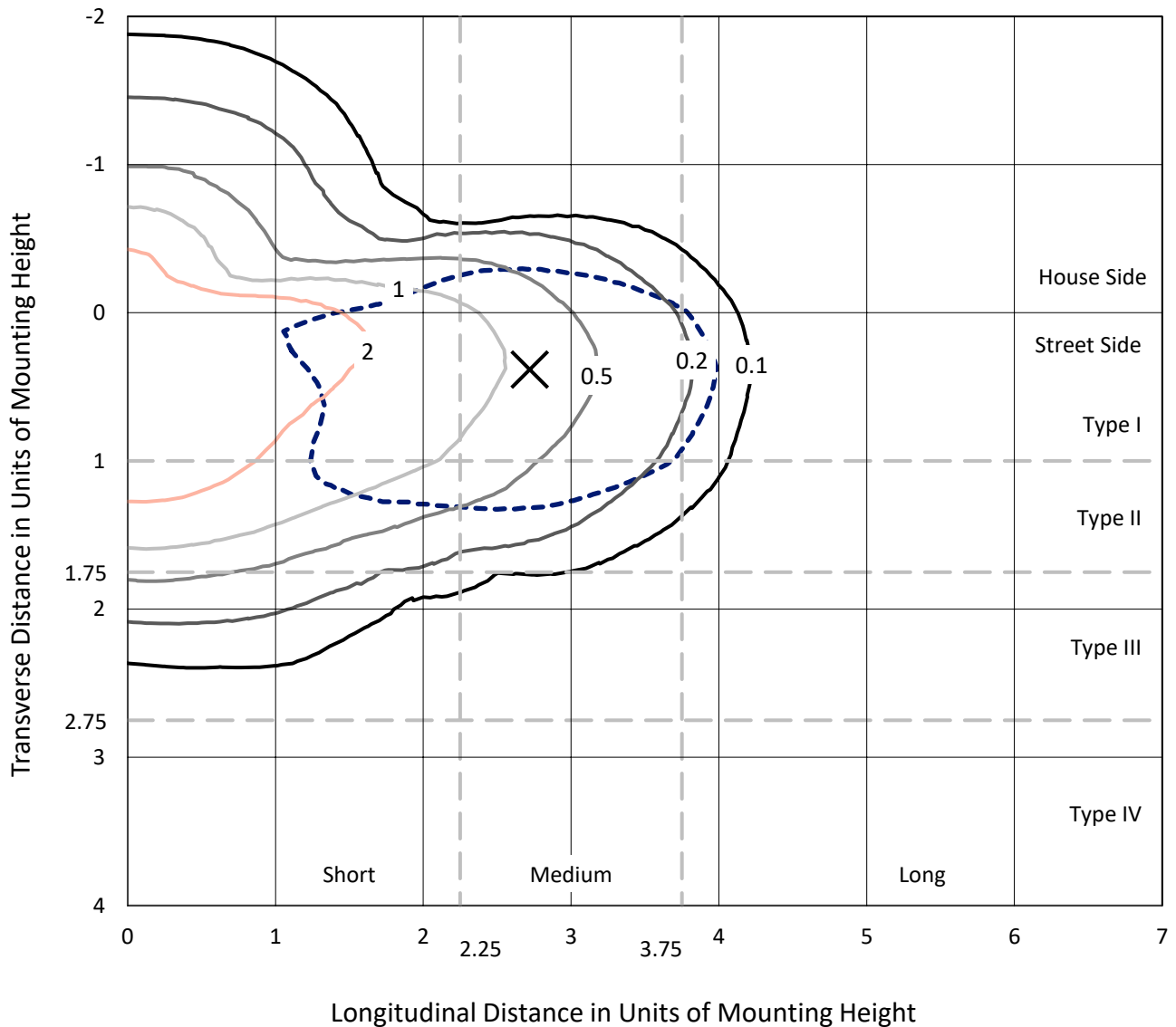
Input Watts (W): 141.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

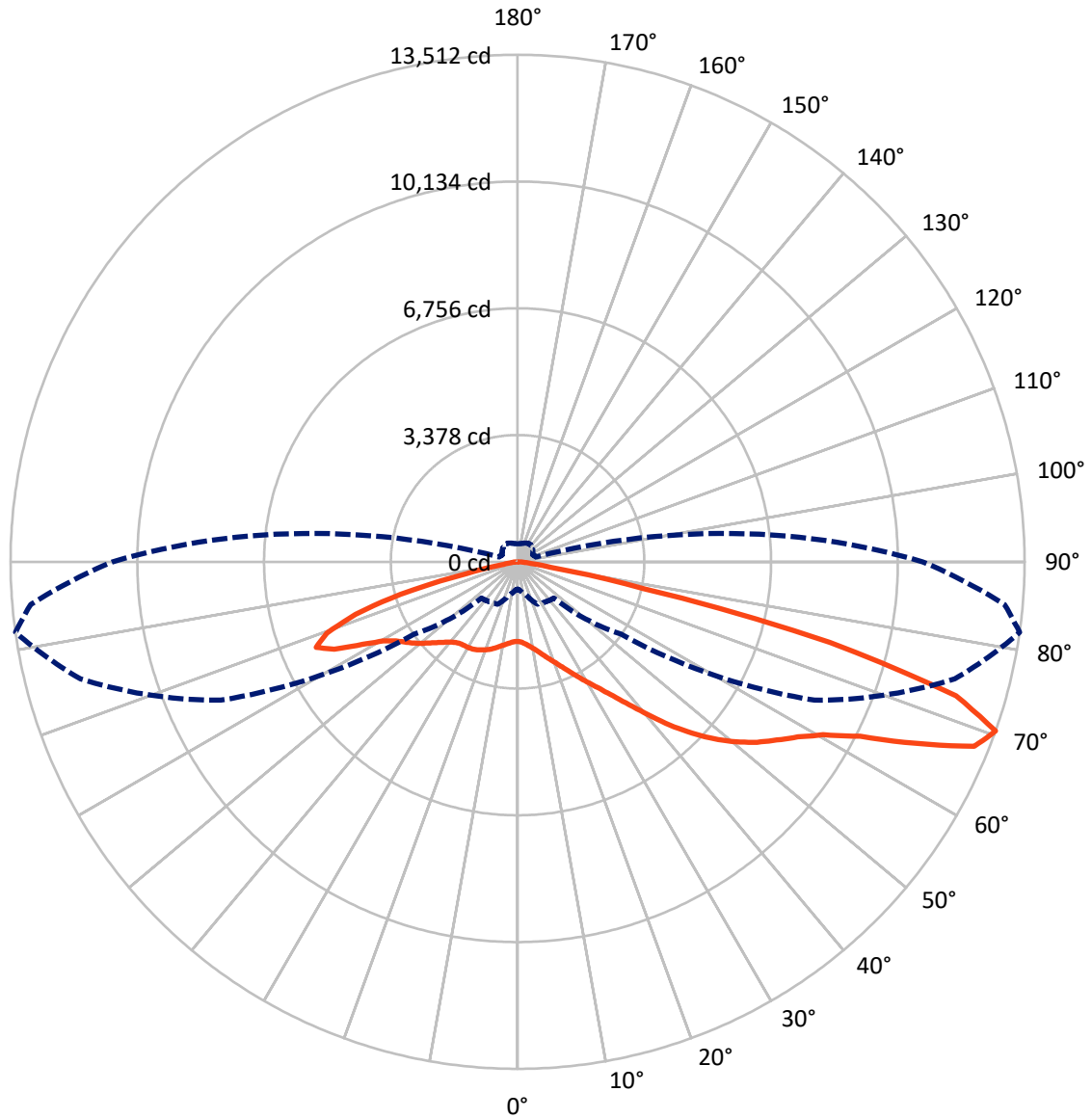
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 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	3564.5	0.0	3564.5
	% Fixture	24.7	0.0	24.7
<b>Street Side</b>	Lumens	10894.5	0.0	10894.5
	% Fixture	75.3	0.0	75.3
<b>Total</b>	Lumens	14459.0	0.0	14459.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	200.2	1.4
10°-20°	575.1	4.0
20°-30°	962.0	6.7
30°-40°	1502.9	10.4
40°-50°	2393.5	16.6
50°-60°	3330.9	23.0
60°-70°	3484.3	24.1
70°-80°	1821.1	12.6
80°-90°	189.1	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°	14459.0	100.0
0°-180°	14459.0	100.0

**Coefficient of Utilization**

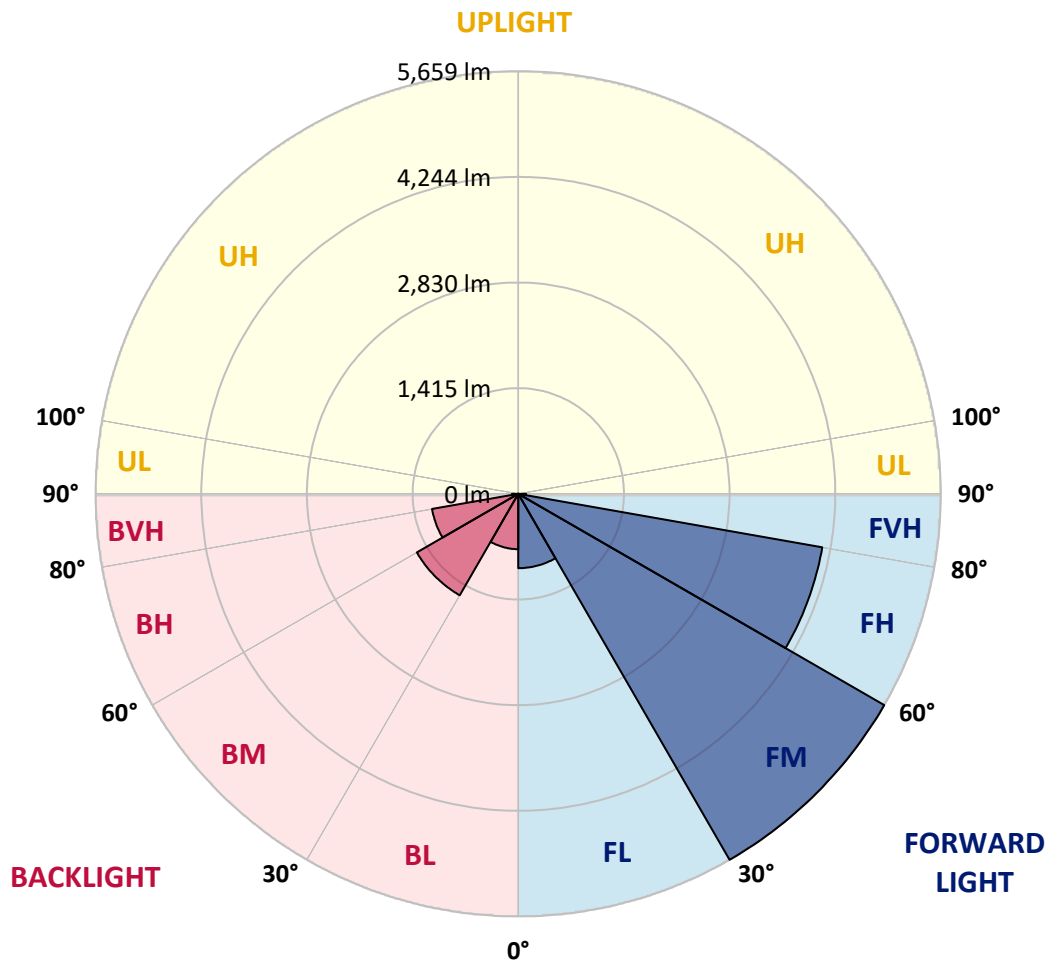


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	995.7	6.9			
FM (30°-60°)	5659.1	39.1			
FH (60°-80°)	4133.9	28.6			G2/5000
FVH (80°-90°)	105.9	0.7			G2/225
BL (0°-30°)	741.5	5.1	B2/1000		
BM (30°-60°)	1568.2	10.8	B2/2500		
BH (60°-80°)	1171.5	8.1	B3/2500		G3/2500
BVH (80°-90°)	83.2	0.6			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 II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	2119.9	2119.9	2119.9	2119.9	2119.9	2119.9	2119.9	2119.9	2119.9	2119.9
2.5°	2170.5	2182.8	2178.9	2175.1	2175.1	2169.7	2169.0	2161.3	2155.2	2145.2
5°	2198.1	2211.2	2209.6	2212.7	2222.7	2225.0	2227.3	2222.7	2210.4	2198.1
7.5°	2173.6	2188.2	2192.8	2211.2	2241.9	2269.5	2290.2	2298.6	2287.1	2269.5
10°	2090.7	2106.8	2122.9	2166.7	2221.1	2286.4	2341.6	2374.6	2372.3	2355.4
12.5°	1922.7	1939.6	1974.1	2059.3	2159.0	2274.1	2376.9	2445.9	2469.7	2457.5
15°	1788.4	1803.0	1829.1	1916.6	2046.2	2221.1	2389.9	2524.2	2584.8	2577.9
17.5°	1784.6	1790.7	1806.8	1848.3	1948.0	2138.3	2376.1	2600.9	2716.8	2716.0
20°	1852.1	1854.4	1863.6	1872.1	1928.8	2075.4	2340.8	2664.6	2864.9	2864.9
22.5°	1945.7	1944.2	1953.4	1945.7	1973.3	2070.0	2318.6	2720.6	3029.8	3042.1
25°	2086.1	2078.4	2076.1	2058.5	2063.9	2119.9	2343.1	2784.3	3225.5	3250.8
27.5°	2273.3	2261.0	2252.6	2211.9	2198.1	2222.7	2418.3	2861.0	3443.4	3487.1
30°	2517.3	2495.0	2482.8	2412.2	2362.3	2366.2	2531.9	2963.1	3671.2	3741.8
32.5°	2850.3	2815.8	2782.8	2666.9	2575.6	2545.7	2678.4	3104.2	3918.3	4031.1
35°	3223.2	3195.5	3160.2	2981.5	2841.1	2772.0	2876.4	3301.4	4207.5	4386.3
37.5°	3582.2	3558.4	3575.3	3334.4	3153.3	3052.8	3135.7	3566.1	4564.3	4828.2
40°	3953.6	3935.1	3937.4	3707.3	3496.3	3383.5	3450.3	3898.3	4973.2	5353.8
42.5°	4357.1	4343.3	4297.3	4093.2	3856.1	3751.0	3812.4	4281.9	5412.1	5952.2
45°	4809.0	4800.6	4757.6	4523.6	4252.0	4133.9	4216.7	4705.5	5853.2	6515.4
47.5°	5199.6	5206.5	5201.1	5003.9	4722.3	4548.9	4647.9	5147.4	6263.7	7044.8
50°	5387.5	5423.6	5476.5	5415.1	5240.2	5063.8	5082.9	5574.0	6655.0	7541.2
52.5°	5289.3	5357.6	5501.8	5600.0	5667.6	5630.7	5579.3	5997.5	7023.3	7989.2
55°	4923.3	5019.3	5258.6	5495.7	5840.2	6108.0	6175.5	6467.0	7382.3	8383.6
57.5°	4256.6	4412.4	4627.2	5106.7	5686.7	6338.9	6870.6	7118.4	7762.9	8804.8
60°	3113.4	3322.1	3589.1	4302.7	5149.7	6215.4	7462.1	8118.9	8303.8	9350.3
62.5°	1992.5	2121.4	2366.9	3039.0	4012.6	5582.4	7643.2	9369.5	9220.6	10244.9
65°	1364.1	1447.0	1671.8	2049.3	2594.0	4155.3	7158.3	10307.0	10676.8	11662.7
67.5°	991.3	1054.2	1246.0	1576.7	1690.2	2459.0	5554.8	10264.1	12092.4	13123.6
70°	722.7	767.2	928.4	1246.0	1300.5	1368.0	3365.1	8725.0	12061.7	13511.8
72.5°	535.5	566.2	674.4	966.7	1052.6	923.8	1665.7	6341.2	10364.6	12221.3
75°	387.5	410.5	490.3	739.6	842.4	703.6	830.9	3705.7	7229.7	8596.9
77.5°	296.2	313.8	366.0	541.7	674.4	527.9	515.6	1704.8	3428.0	3444.9
80°	237.8	249.4	277.7	381.3	517.1	395.1	336.0	688.2	1083.3	916.8
82.5°	174.9	194.1	234.8	267.8	369.8	272.4	204.9	347.6	412.0	354.5
85°	99.7	112.8	141.9	191.8	236.3	166.5	117.4	154.2	191.8	157.3
87.5°	35.3	46.0	49.9	75.2	102.8	69.1	45.3	44.5	62.9	46.8
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°
2119.9	0°	2119.9	2119.9	2119.9	2119.9	2119.9	2119.9	2119.9	2119.9	2119.9	2119.9
2142.9	2.5°	2135.2	2131.4	2116.0	2095.3	2073.8	2053.1	2046.2	2031.6	2021.7	2016.3
2192.8	5°	2178.2	2165.9	2129.8	2083.8	2035.5	1983.3	1946.5	1912.7	1888.2	1865.1
2261.0	7.5°	2239.6	2218.1	2155.9	2075.4	1989.4	1902.7	1838.3	1789.2	1756.2	1734.7
2340.8	10°	2310.9	2277.9	2182.8	2062.3	1929.6	1805.3	1729.3	1687.1	1666.4	1654.9
2432.1	12.5°	2393.0	2346.2	2210.4	2032.4	1838.3	1696.4	1644.2	1631.9	1632.7	1633.4
2547.2	15°	2494.3	2429.1	2232.7	1967.2	1719.4	1612.7	1603.5	1623.5	1644.2	1654.2
2677.7	17.5°	2608.6	2516.5	2236.5	1859.8	1602.8	1559.0	1588.2	1631.1	1662.6	1676.4
2823.4	20°	2731.4	2605.5	2208.9	1707.9	1506.8	1515.3	1567.5	1622.7	1657.2	1674.9
2989.9	22.5°	2871.8	2700.7	2142.9	1548.3	1428.6	1467.7	1529.1	1582.8	1618.9	1636.5
3185.6	25°	3032.1	2807.3	2039.3	1414.0	1361.1	1414.0	1475.4	1519.9	1549.0	1565.2
3404.2	27.5°	3210.1	2918.6	1901.2	1307.4	1302.0	1358.8	1409.4	1443.9	1459.3	1471.6
3636.7	30°	3388.9	3019.8	1734.0	1226.8	1250.6	1304.3	1340.4	1355.7	1360.3	1362.6
3896.0	32.5°	3582.2	3107.3	1558.3	1160.1	1201.5	1251.4	1272.8	1279.7	1258.3	1243.7
4210.6	35°	3816.2	3200.9	1386.4	1107.1	1153.2	1196.1	1203.0	1196.9	1171.6	1141.6
4604.9	37.5°	4105.5	3317.5	1249.1	1069.5	1107.9	1136.3	1127.8	1126.3	1128.6	1093.3
5079.1	40°	4459.9	3469.4	1148.6	1040.4	1071.1	1077.2	1053.4	1066.5	1078.0	1024.3
5599.3	42.5°	4853.5	3652.8	1084.9	1020.4	1040.4	1025.8	989.0	1003.5	1002.0	931.4
6121.8	45°	5254.8	3852.3	1062.6	1005.8	1012.0	982.8	942.2	946.0	913.8	850.1
6622.8	47.5°	5653.8	4066.3	1076.4	993.6	976.7	943.7	912.2	895.4	847.8	800.2
7103.1	50°	6045.0	4291.1	1127.1	969.0	928.4	909.2	886.2	856.2	805.6	764.9
7557.3	52.5°	6407.9	4517.5	1183.8	928.4	867.7	879.3	864.7	830.1	780.3	738.8
7986.9	55°	6751.7	4743.8	1206.1	872.3	811.0	853.2	844.7	781.0	721.2	687.4
8436.5	57.5°	7126.1	5016.2	1181.5	801.0	764.9	823.2	791.0	720.4	685.9	660.6
9021.9	60°	7644.7	5443.5	1128.6	712.8	721.2	778.7	723.5	694.3	656.8	628.4
9899.6	62.5°	8506.3	6240.7	1043.4	625.3	669.8	712.8	691.3	662.1	623.8	596.1
11400.3	65°	9779.9	7348.6	883.1	557.0	612.3	648.3	656.8	627.6	587.7	558.5
12715.4	67.5°	10854.1	8043.7	668.3	500.2	553.2	596.1	619.9	591.5	549.3	521.0
13023.0	70°	10795.0	7538.9	510.2	444.2	501.0	544.7	575.4	553.2	507.9	481.1
11829.2	72.5°	9588.1	6306.7	412.8	387.5	448.1	491.0	527.9	511.0	464.9	438.9
8665.9	75°	7044.0	4476.8	329.9	329.9	382.1	435.0	475.7	464.9	422.7	404.3
3638.2	77.5°	2969.2	1878.2	258.6	273.9	317.6	373.6	424.3	428.1	391.3	414.3
962.1	80°	789.5	517.9	197.2	215.6	249.4	308.4	369.0	367.5	327.6	306.1
357.5	82.5°	300.8	204.1	140.4	151.9	180.3	236.3	292.3	301.5	261.6	226.3
140.4	85°	115.9	87.5	86.7	91.3	105.1	156.5	221.0	228.6	197.2	167.3
39.1	87.5°	29.9	26.1	32.2	30.7	48.3	83.6	126.6	131.2	120.5	69.8
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°
2119.9
2022.4
1874.4
1739.3
1658.0
1635.0
1653.4
1679.5
1679.5
1641.1
1569.8
1476.2
1368.0
1248.3
1143.2
1095.6
1025.8
930.7
852.4
800.2
761.9
739.6
684.4
658.3
626.8
596.1
560.1
521.7
483.4
438.9
399.0
375.9
284.6
226.3
172.6
99.7
0.0

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