

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: P852471

Luminaire Tested: **GLAN-SB4A-827-U-T4FT**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852471  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB4A-827-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14167 lumens  
Efficiency: N/A  
Efficacy: 124.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G3

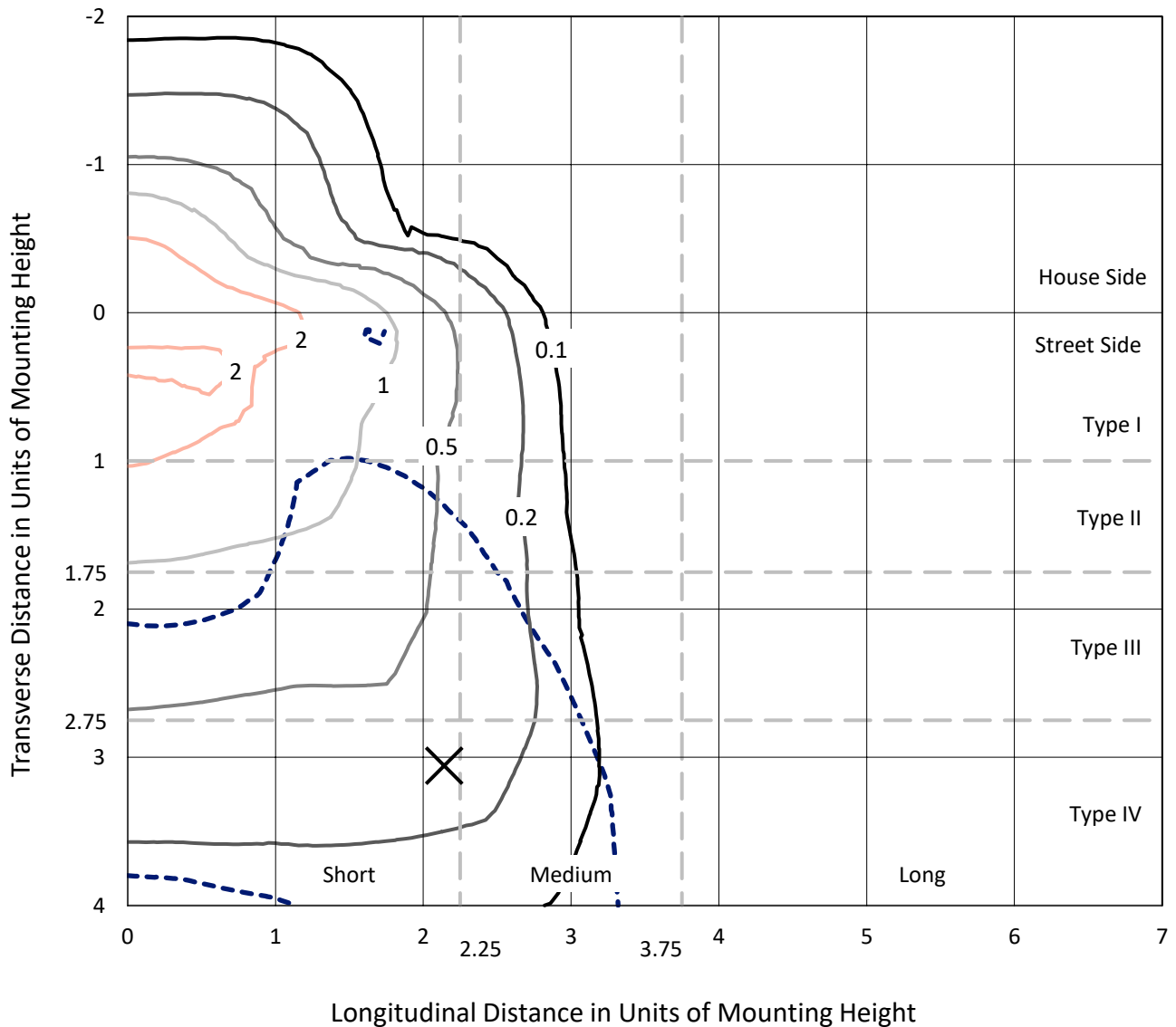
Input Watts (W): 114  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

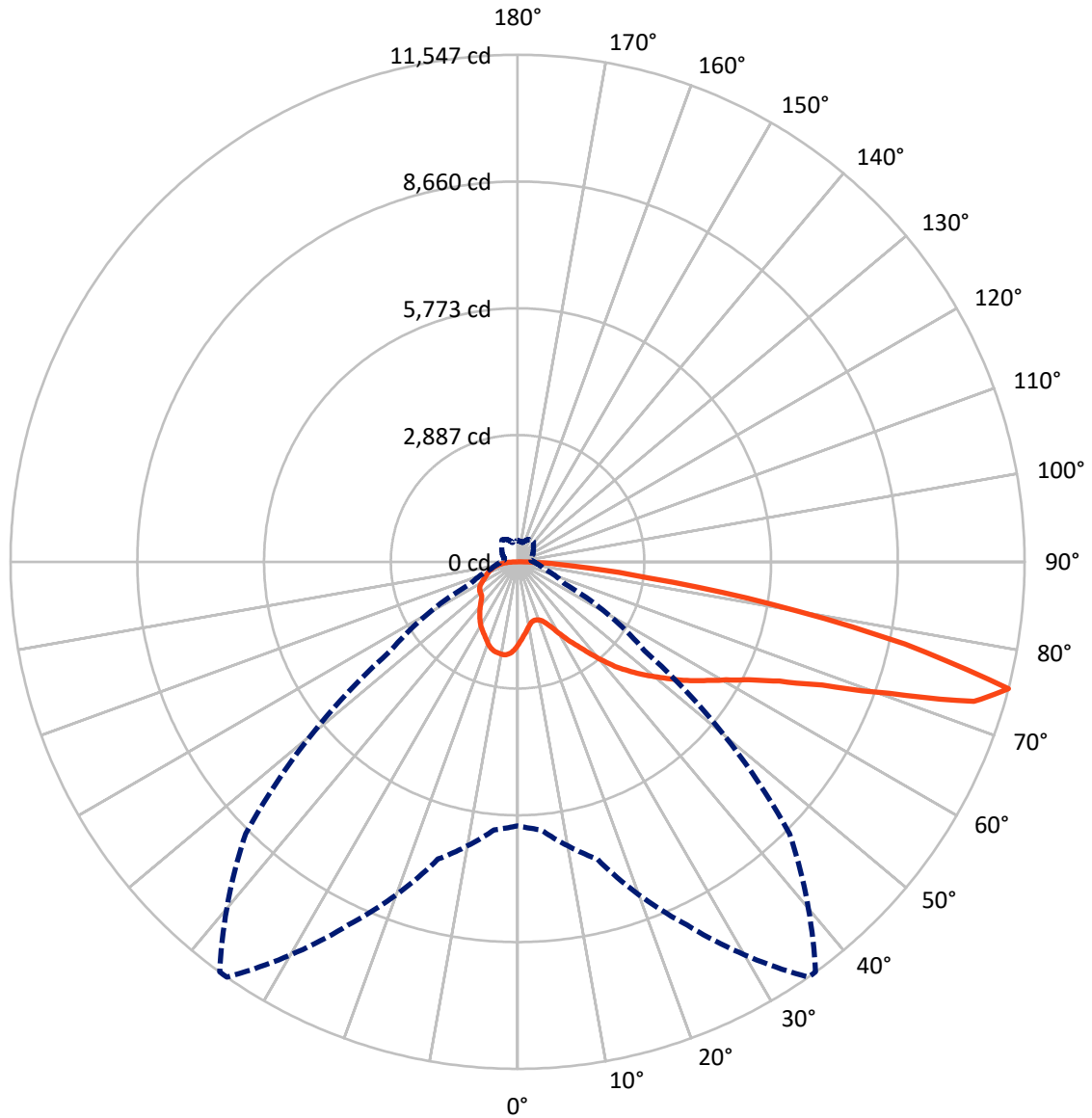
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 75-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3371.4	0.0	3371.4
	% Fixture	23.8	0.0	23.8
<b>Street Side</b>	Lumens	10795.6	0.0	10795.6
	% Fixture	76.2	0.0	76.2
<b>Total</b>	Lumens	14167.0	0.0	14167.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	178.7	1.3
10°-20°	515.6	3.6
20°-30°	865.8	6.1
30°-40°	1345.5	9.5
40°-50°	1997.1	14.1
50°-60°	2757.2	19.5
60°-70°	3345.1	23.6
70°-80°	2764.4	19.5
80°-90°	397.6	2.8
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°	14167.0	100.0
0°-180°	14167.0	100.0

**Coefficient of Utilization**



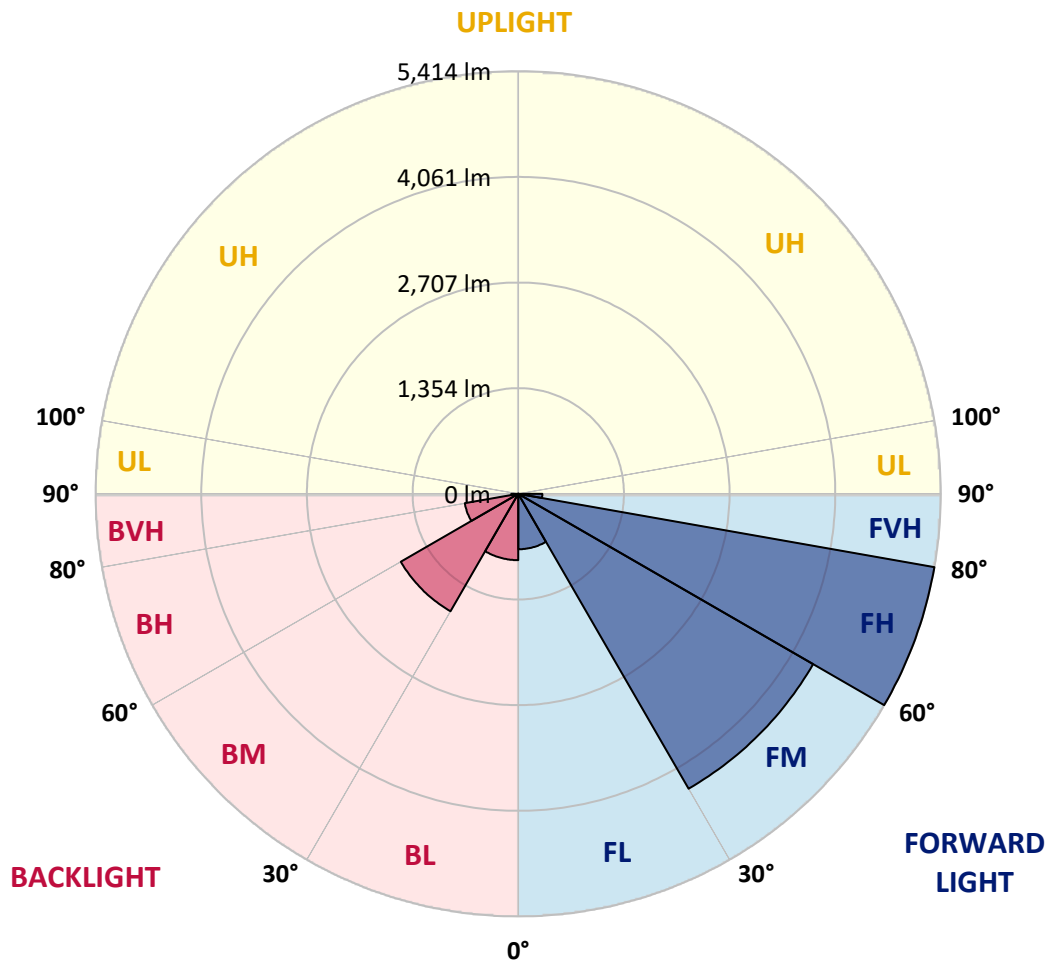
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	710.4	5.0			
FM (30°-60°)	4362.7	30.8			
FH (60°-80°)	5414.4	38.2			G3/7500
FVH (80°-90°)	308.1	2.2			G3/500
BL (0°-30°)	849.6	6.0	B2/1000		
BM (30°-60°)	1737.1	12.3	B2/2500		
BH (60°-80°)	695.1	4.9	B2/1000		G2/1000
BVH (80°-90°)	89.5	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G3**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	1887.8	1887.8	1887.8	1887.8	1887.8	1887.8	1887.8	1887.8	1887.8	1887.8
2.5°	1740.8	1751.5	1756.1	1753.8	1765.3	1763.8	1779.9	1799.8	1827.3	1854.2
5°	1606.8	1618.3	1628.2	1637.4	1659.6	1666.5	1691.8	1730.1	1780.6	1831.9
7.5°	1481.9	1491.9	1507.2	1524.1	1561.6	1568.5	1610.6	1670.3	1740.8	1815.9
10°	1380.1	1390.0	1406.1	1425.3	1472.0	1480.4	1534.0	1613.7	1705.6	1800.5
12.5°	1336.4	1339.5	1348.7	1367.8	1408.4	1413.8	1472.8	1563.9	1671.1	1789.1
15°	1334.1	1340.3	1341.0	1351.0	1384.7	1387.0	1441.4	1531.7	1649.7	1786.8
17.5°	1357.1	1361.7	1354.8	1360.9	1389.3	1393.1	1436.0	1516.4	1642.8	1796.7
20°	1418.4	1422.2	1401.5	1393.1	1413.8	1416.8	1459.0	1526.4	1649.7	1817.4
22.5°	1548.6	1550.9	1500.3	1465.9	1467.4	1468.9	1505.7	1567.0	1676.5	1854.9
25°	1751.5	1750.0	1669.6	1602.9	1564.7	1556.2	1580.7	1632.8	1721.7	1904.7
27.5°	1988.9	1977.5	1897.0	1797.5	1714.0	1701.7	1696.4	1718.6	1786.0	1970.6
30°	2257.0	2246.3	2159.7	2029.5	1913.9	1894.0	1843.4	1831.9	1881.7	2060.2
32.5°	2551.1	2544.2	2440.8	2283.0	2128.3	2105.4	2020.3	1989.7	2028.8	2195.7
35°	2797.7	2791.6	2705.8	2543.4	2354.3	2325.9	2239.4	2204.9	2224.8	2369.6
37.5°	3020.6	3017.5	2944.0	2816.1	2620.8	2586.3	2489.0	2477.6	2473.7	2598.6
40°	3227.3	3219.7	3143.1	3075.7	2931.0	2899.6	2813.8	2803.8	2774.7	2880.4
42.5°	3456.3	3436.4	3325.4	3294.0	3254.9	3228.9	3177.6	3179.1	3114.8	3198.2
45°	3643.2	3631.7	3517.6	3499.2	3541.3	3530.6	3575.0	3586.5	3461.7	3531.4
47.5°	3843.9	3833.1	3736.6	3723.6	3837.7	3840.8	3997.8	4001.6	3800.2	3877.6
50°	4091.2	4075.9	3980.2	3996.3	4124.2	4135.7	4422.9	4396.8	4111.9	4229.1
52.5°	4254.4	4263.6	4242.9	4268.9	4443.5	4454.3	4841.0	4774.4	4420.6	4576.0
55°	4374.6	4393.0	4457.3	4517.1	4780.5	4791.2	5235.4	5133.6	4676.4	4897.7
57.5°	4529.3	4503.3	4623.5	4739.9	5100.6	5129.0	5619.1	5479.7	4903.0	5174.9
60°	4751.4	4733.0	4826.5	4998.8	5459.1	5504.2	6025.0	5791.4	5069.2	5394.7
62.5°	5201.7	5155.8	5170.3	5322.7	5910.9	5970.7	6483.0	6063.3	5152.0	5480.5
65°	5874.9	5796.0	5722.5	5828.2	6547.3	6606.3	7000.0	6277.0	5121.3	5314.3
67.5°	6722.7	6644.6	6554.2	6653.8	7484.8	7531.5	7637.9	6397.2	4880.1	4674.1
70°	7422.0	7392.9	7500.8	7910.6	8982.0	8983.6	8455.9	6297.7	4219.1	3313.9
72.5°	7329.3	7311.7	7880.7	9147.4	10869.1	10828.5	9230.2	5544.1	2842.1	1495.0
75°	6012.8	6126.9	7008.4	9125.2	11546.9	11541.5	8756.1	3524.5	1175.6	619.6
77.5°	3224.3	3405.0	4550.0	6737.3	9014.2	9149.7	6156.0	1233.0	504.7	396.7
80°	1051.5	1209.3	1813.6	3430.3	5857.3	5832.0	2638.4	484.0	345.4	281.1
82.5°	446.5	464.9	810.3	1619.8	3006.0	2959.3	840.2	278.0	242.8	192.2
85°	174.6	195.3	357.7	749.0	1302.0	1273.6	303.3	137.9	155.5	125.6
87.5°	57.4	69.7	127.9	256.6	405.1	390.6	74.3	47.5	67.4	57.4
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°
1887.8	0°	1887.8	1887.8	1887.8	1887.8	1887.8	1887.8	1887.8	1887.8	1887.8	1887.8
1893.2	2.5°	1903.9	1916.2	1930.7	1952.2	1970.6	1985.9	2002.0	2011.9	2015.7	2027.2
1896.3	5°	1917.7	1944.5	1980.5	2015.7	2050.2	2070.9	2089.3	2098.5	2106.9	2113.0
1904.7	7.5°	1940.7	1975.2	2031.8	2077.8	2106.9	2123.7	2136.0	2132.9	2136.0	2137.5
1913.9	10°	1960.6	2008.9	2076.3	2119.9	2142.1	2142.9	2139.8	2129.1	2123.7	2124.5
1927.7	12.5°	1984.3	2038.0	2110.7	2147.5	2153.6	2136.8	2123.7	2105.4	2098.5	2095.4
1948.4	15°	2016.5	2077.8	2148.2	2162.0	2146.7	2125.3	2103.1	2073.2	2057.9	2045.6
1983.6	17.5°	2055.6	2123.0	2177.3	2167.4	2134.5	2099.2	2063.2	2018.0	1986.6	1973.6
2031.8	20°	2109.9	2170.5	2199.6	2155.9	2106.1	2052.5	1991.2	1936.1	1907.0	1894.0
2093.1	22.5°	2175.8	2234.0	2221.0	2136.0	2065.5	1979.8	1903.2	1862.6	1848.0	1838.8
2172.0	25°	2254.7	2304.5	2236.3	2106.9	1998.9	1883.3	1824.3	1811.3	1804.4	1797.5
2268.5	27.5°	2357.3	2384.1	2247.8	2064.0	1894.7	1780.6	1759.2	1761.5	1759.2	1747.7
2402.5	30°	2492.9	2487.5	2258.5	1994.3	1775.3	1688.0	1689.5	1699.4	1701.0	1693.3
2589.4	32.5°	2671.3	2616.9	2263.9	1903.9	1661.2	1606.8	1608.3	1619.0	1626.7	1613.7
2833.7	35°	2887.3	2767.8	2255.5	1790.6	1573.1	1529.4	1517.9	1521.0	1523.3	1511.0
3130.1	37.5°	3139.3	2937.1	2217.9	1665.0	1500.3	1453.6	1429.1	1408.4	1396.2	1384.7
3465.5	40°	3415.7	3121.7	2149.0	1542.4	1419.1	1373.2	1336.4	1297.4	1256.0	1240.7
3820.9	42.5°	3705.2	3311.6	2065.5	1425.3	1325.7	1288.2	1249.1	1192.4	1130.4	1099.0
4190.0	45°	4005.5	3506.1	1983.6	1309.6	1230.0	1213.9	1168.7	1100.5	1033.1	993.3
4559.9	47.5°	4299.5	3689.9	1863.3	1193.2	1140.4	1158.0	1122.8	1060.0	984.9	922.1
4926.8	50°	4580.6	3862.2	1666.5	1075.3	1067.6	1141.1	1107.4	1017.1	931.3	850.9
5286.7	52.5°	4859.4	4001.6	1414.5	968.0	1028.6	1136.5	1087.5	988.0	883.0	798.8
5625.3	55°	5096.0	4073.6	1171.8	876.1	971.9	1097.5	1063.8	953.5	814.9	725.3
5857.3	57.5°	5230.8	4015.4	969.6	785.8	893.8	1033.1	1023.2	880.0	733.7	664.8
5902.5	60°	5172.6	3779.5	804.2	706.9	819.5	963.5	952.7	807.2	671.7	606.6
5660.5	62.5°	4851.7	3330.0	673.2	638.0	752.1	892.2	882.3	751.3	624.2	561.4
5017.9	65°	4205.3	2708.9	571.3	580.5	683.9	806.5	821.0	704.6	586.6	525.4
3882.2	67.5°	3207.4	1962.1	491.7	530.7	617.3	722.2	764.3	670.9	555.2	497.0
2246.3	70°	1828.1	1114.3	424.3	482.5	558.3	644.1	720.7	644.1	521.6	473.3
841.7	72.5°	693.1	511.6	366.8	434.2	501.6	578.2	672.4	602.0	482.5	446.5
435.0	75°	369.9	311.7	308.6	377.6	436.5	513.9	611.9	560.6	453.4	471.8
301.0	77.5°	252.0	220.6	258.1	323.2	365.3	442.7	547.6	497.8	392.9	391.4
208.3	80°	174.6	156.2	209.8	260.4	282.6	372.2	477.9	427.4	320.1	298.7
128.7	82.5°	104.9	101.9	157.0	194.5	199.9	287.2	396.0	358.4	261.9	228.2
76.6	85°	57.4	60.5	100.3	114.1	116.4	200.7	310.2	277.2	201.4	169.3
27.6	87.5°	16.1	20.7	36.8	45.2	55.9	104.2	184.6	164.7	101.1	70.5
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°
1887.8
2026.5
2114.5
2139.8
2126.0
2093.9
2049.4
1974.4
1892.4
1840.4
1797.5
1750.0
1697.1
1619.8
1519.5
1392.3
1247.6
1102.8
990.3
915.2
844.0
789.6
717.6
655.6
597.4
551.4
515.4
487.9
467.2
440.4
487.1
360.7
285.7
229.8
170.8
70.5
0.0

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