

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: P847076

Luminaire Tested: **GLAN-SB3A-730-U-T2**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847076  
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-SB3A-730-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 70 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12882 lumens  
Efficiency: N/A  
Efficacy: 152.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G3

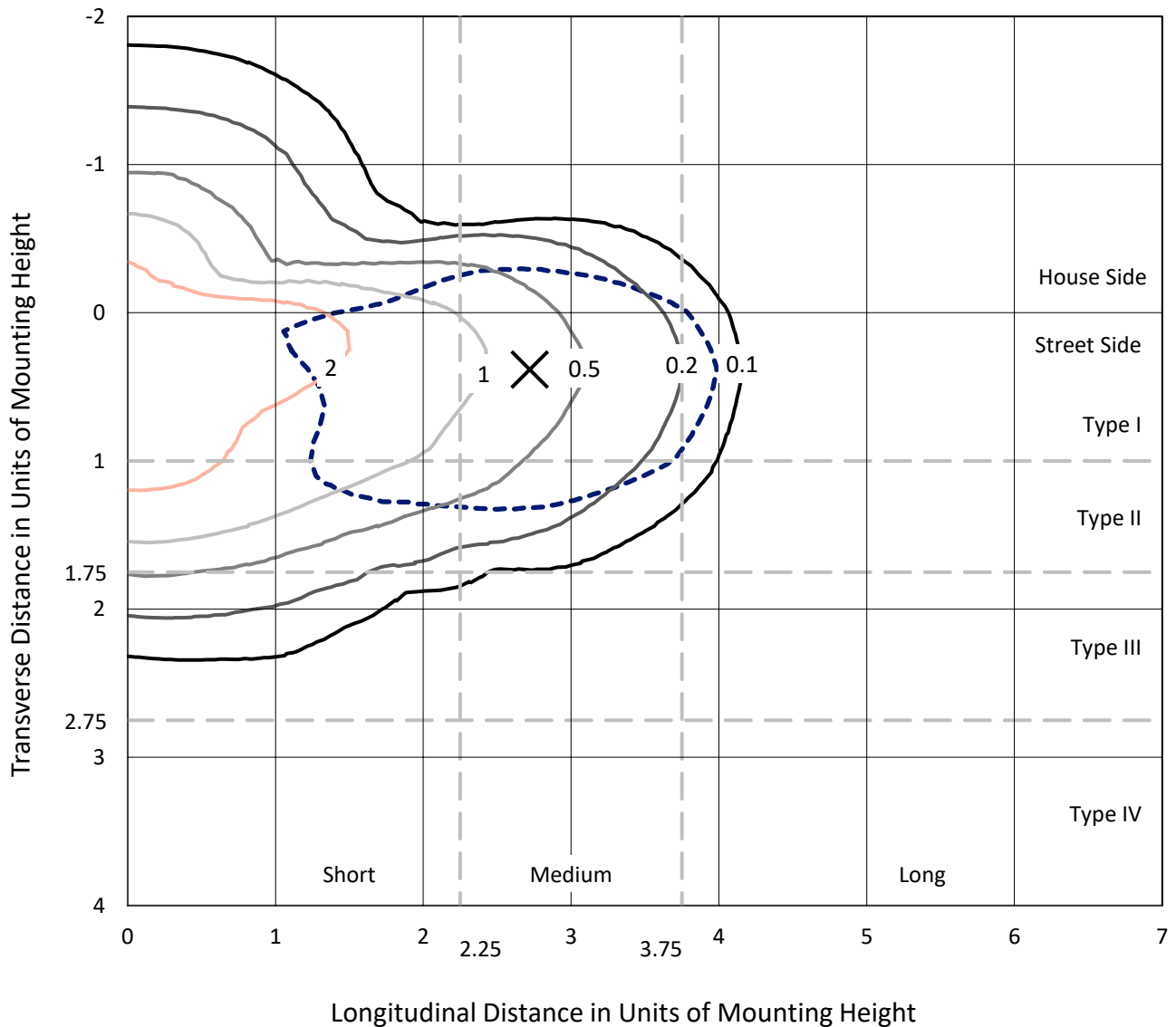
Input Watts (W): 84.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

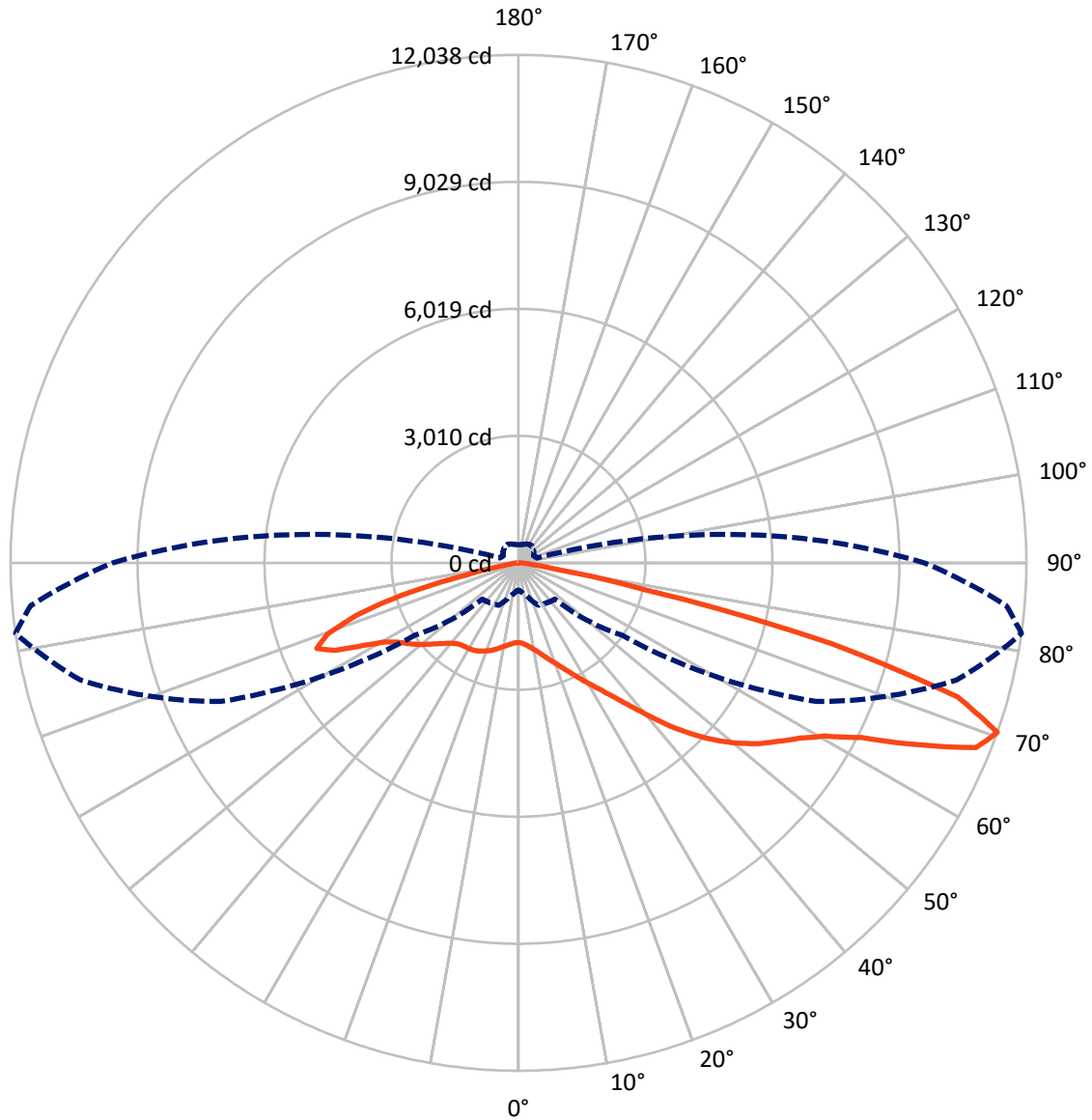
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 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	3175.7	0.0	3175.7
	% Fixture	24.7	0.0	24.7
<b>Street Side</b>	Lumens	9706.3	0.0	9706.3
	% Fixture	75.3	0.0	75.3
<b>Total</b>	Lumens	12882.0	0.0	12882.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	178.3	1.4
10°-20°	512.3	4.0
20°-30°	857.1	6.7
30°-40°	1339.0	10.4
40°-50°	2132.5	16.6
50°-60°	2967.6	23.0
60°-70°	3104.3	24.1
70°-80°	1622.4	12.6
80°-90°	168.5	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°	12882.0	100.0
0°-180°	12882.0	100.0

**Coefficient of Utilization**

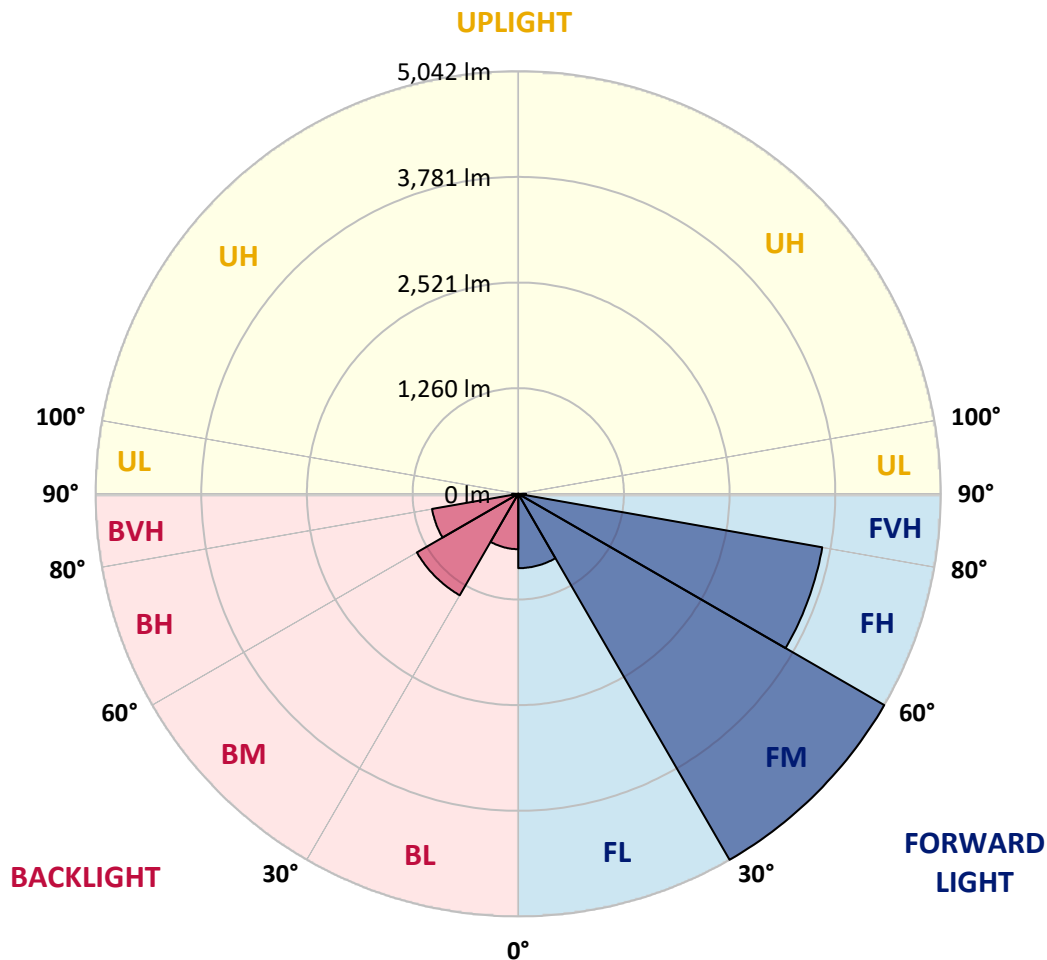


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	887.1	6.9			
FM (30°-60°)	5041.9	39.1			
FH (60°-80°)	3683.0	28.6			G2/5000
FVH (80°-90°)	94.3	0.7			G1/100
BL (0°-30°)	660.7	5.1	B2/1000		
BM (30°-60°)	1397.2	10.8	B2/2500		
BH (60°-80°)	1043.7	8.1	B3/2500		G3/2500
BVH (80°-90°)	74.2	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°	1888.7	1888.7	1888.7	1888.7	1888.7	1888.7	1888.7	1888.7	1888.7	1888.7
2.5°	1933.8	1944.7	1941.3	1937.9	1937.9	1933.1	1932.4	1925.6	1920.1	1911.2
5°	1958.4	1970.0	1968.6	1971.4	1980.3	1982.3	1984.4	1980.3	1969.3	1958.4
7.5°	1936.5	1949.5	1953.6	1970.0	1997.3	2022.0	2040.4	2047.9	2037.7	2022.0
10°	1862.7	1877.0	1891.4	1930.4	1978.9	2037.0	2086.2	2115.6	2113.6	2098.5
12.5°	1713.0	1728.0	1758.8	1834.7	1923.5	2026.1	2117.7	2179.2	2200.4	2189.4
15°	1593.4	1606.4	1629.6	1707.5	1823.0	1978.9	2129.3	2248.9	2302.9	2296.7
17.5°	1589.9	1595.4	1609.8	1646.7	1735.5	1905.1	2117.0	2317.3	2420.5	2419.8
20°	1650.1	1652.2	1660.4	1667.9	1718.5	1849.0	2085.5	2374.0	2552.4	2552.4
22.5°	1733.5	1732.1	1740.3	1733.5	1758.1	1844.2	2065.7	2423.9	2699.4	2710.3
25°	1858.6	1851.8	1849.7	1834.0	1838.8	1888.7	2087.6	2480.6	2873.7	2896.2
27.5°	2025.4	2014.4	2006.9	1970.7	1958.4	1980.3	2154.6	2549.0	3067.8	3106.8
30°	2242.7	2222.9	2212.0	2149.1	2104.7	2108.1	2255.7	2639.9	3270.8	3333.7
32.5°	2539.4	2508.6	2479.3	2376.0	2294.7	2268.0	2386.3	2765.7	3490.9	3591.4
35°	2871.6	2847.0	2815.6	2656.3	2531.2	2469.7	2562.6	2941.3	3748.6	3907.9
37.5°	3191.5	3170.3	3185.4	2970.7	2809.4	2719.9	2793.7	3177.2	4066.5	4301.6
40°	3522.4	3506.0	3508.0	3302.9	3115.0	3014.5	3073.9	3473.1	4430.8	4769.8
42.5°	3881.9	3869.6	3828.6	3646.8	3435.5	3341.9	3396.6	3814.9	4821.8	5303.0
45°	4284.5	4277.0	4238.7	4030.2	3788.3	3683.0	3756.8	4192.2	5214.8	5804.7
47.5°	4632.5	4638.6	4633.8	4458.1	4207.3	4052.8	4141.0	4586.0	5580.5	6276.4
50°	4799.9	4832.0	4879.2	4824.5	4668.7	4511.5	4528.6	4966.0	5929.2	6718.7
52.5°	4712.4	4773.3	4901.8	4989.3	5049.4	5016.6	4970.8	5343.3	6257.3	7117.9
55°	4386.4	4471.8	4685.1	4896.3	5203.2	5441.8	5501.9	5761.7	6577.2	7469.2
57.5°	3792.4	3931.1	4122.5	4549.7	5066.5	5647.5	6121.2	6342.0	6916.2	7844.5
60°	2773.9	2959.8	3197.7	3833.4	4588.0	5537.5	6648.3	7233.4	7398.1	8330.5
62.5°	1775.2	1890.0	2108.8	2707.6	3575.0	4973.5	6809.6	8347.6	8215.0	9127.5
65°	1215.4	1289.2	1489.5	1825.8	2311.1	3702.1	6377.6	9182.9	9512.4	10390.7
67.5°	883.2	939.2	1110.1	1404.7	1505.9	2190.8	4948.9	9144.6	10773.5	11692.2
70°	643.9	683.6	827.1	1110.1	1158.6	1218.8	2998.1	7773.4	10746.2	12038.1
72.5°	477.1	504.5	600.8	861.3	937.8	823.0	1484.0	5649.6	9234.1	10888.3
75°	345.2	365.7	436.8	658.9	750.5	626.8	740.3	3301.6	6441.1	7659.2
77.5°	263.9	279.6	326.1	482.6	600.8	470.3	459.3	1518.9	3054.1	3069.2
80°	211.9	222.2	247.4	339.7	460.7	352.0	299.4	613.1	965.2	816.8
82.5°	155.9	172.9	209.2	238.6	329.5	242.7	182.5	309.7	367.1	315.8
85°	88.9	100.5	126.5	170.9	210.5	148.3	104.6	137.4	170.9	140.1
87.5°	31.4	41.0	44.4	67.0	91.6	61.5	40.3	39.6	56.1	41.7
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°
1888.7	0°	1888.7	1888.7	1888.7	1888.7	1888.7	1888.7	1888.7	1888.7	1888.7	1888.7
1909.2	2.5°	1902.3	1898.9	1885.2	1866.8	1847.6	1829.2	1823.0	1810.1	1801.2	1796.4
1953.6	5°	1940.6	1929.7	1897.5	1856.5	1813.5	1767.0	1734.2	1704.1	1682.2	1661.7
2014.4	7.5°	1995.3	1976.2	1920.8	1849.0	1772.5	1695.2	1637.8	1594.1	1564.7	1545.5
2085.5	10°	2058.9	2029.5	1944.7	1837.4	1719.1	1608.4	1540.7	1503.1	1484.7	1474.4
2166.9	12.5°	2132.0	2090.3	1969.3	1810.7	1637.8	1511.3	1464.9	1453.9	1454.6	1455.3
2269.4	15°	2222.2	2164.1	1989.1	1752.6	1531.8	1436.8	1428.6	1446.4	1464.9	1473.7
2385.6	17.5°	2324.1	2242.1	1992.6	1656.9	1427.9	1389.0	1415.0	1453.2	1481.3	1493.6
2515.5	20°	2433.5	2321.4	1968.0	1521.6	1342.5	1350.0	1396.5	1445.7	1476.5	1492.2
2663.8	22.5°	2558.5	2406.1	1909.2	1379.4	1272.8	1307.6	1362.3	1410.2	1442.3	1458.0
2838.1	25°	2701.4	2501.1	1816.9	1259.8	1212.6	1259.8	1314.5	1354.1	1380.1	1394.5
3032.9	27.5°	2860.0	2600.2	1693.8	1164.8	1160.0	1210.6	1255.7	1286.5	1300.1	1311.1
3240.1	30°	3019.3	2690.5	1544.8	1093.0	1114.2	1162.0	1194.2	1207.8	1211.9	1214.0
3471.1	32.5°	3191.5	2768.4	1388.3	1033.5	1070.4	1114.9	1134.0	1140.2	1121.0	1108.0
3751.3	35°	3400.0	2851.8	1235.2	986.4	1027.4	1065.7	1071.8	1066.3	1043.8	1017.1
4102.7	37.5°	3657.7	2955.7	1112.8	952.9	987.1	1012.3	1004.8	1003.5	1005.5	974.1
4525.1	40°	3973.5	3091.0	1023.3	926.9	954.2	959.7	938.5	950.1	960.4	912.5
4988.6	42.5°	4324.2	3254.4	966.5	909.1	926.9	913.9	881.1	894.1	892.7	829.8
5454.1	45°	4681.7	3432.1	946.7	896.1	901.6	875.6	839.4	842.8	814.1	757.4
5900.4	47.5°	5037.1	3622.8	959.0	885.2	870.2	840.8	812.7	797.7	755.3	712.9
6328.4	50°	5385.7	3823.1	1004.1	863.3	827.1	810.0	789.5	762.8	717.7	681.5
6733.0	52.5°	5709.1	4024.8	1054.7	827.1	773.1	783.4	770.4	739.6	695.2	658.3
7115.8	55°	6015.3	4226.4	1074.5	777.2	722.5	760.1	752.6	695.9	642.5	612.5
7516.4	57.5°	6348.9	4469.1	1052.7	713.6	681.5	733.5	704.7	641.9	611.1	588.5
8037.9	60°	6810.9	4849.8	1005.5	635.0	642.5	693.8	644.6	618.6	585.1	559.8
8819.9	62.5°	7578.6	5560.0	929.6	557.1	596.7	635.0	615.9	589.9	555.7	531.1
10156.9	65°	8713.3	6547.1	786.8	496.3	545.5	577.6	585.1	559.1	523.6	497.6
11328.6	67.5°	9670.3	7166.4	595.4	445.7	492.8	531.1	552.3	527.0	489.4	464.1
11602.7	70°	9617.6	6716.6	454.6	395.8	446.4	485.3	512.7	492.8	452.5	428.6
10539.0	72.5°	8542.4	5618.8	367.8	345.2	399.2	437.5	470.3	455.2	414.2	391.0
7720.8	75°	6275.7	3988.5	293.9	293.9	340.4	387.6	423.8	414.2	376.6	360.2
3241.4	77.5°	2645.4	1673.3	230.4	244.0	283.0	332.9	378.0	381.4	348.6	369.1
857.2	80°	703.4	461.4	175.7	192.1	222.2	274.8	328.8	327.4	291.9	272.7
318.5	82.5°	268.0	181.8	125.1	135.3	160.6	210.5	260.4	268.6	233.1	201.6
125.1	85°	103.2	77.9	77.2	81.3	93.6	139.4	196.9	203.7	175.7	149.0
34.9	87.5°	26.7	23.2	28.7	27.3	43.1	74.5	112.8	116.9	107.3	62.2
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°
1888.7
1801.9
1669.9
1549.6
1477.2
1456.7
1473.1
1496.3
1496.3
1462.1
1398.6
1315.2
1218.8
1112.1
1018.5
976.1
913.9
829.2
759.4
712.9
678.8
658.9
609.7
586.5
558.5
531.1
499.0
464.8
430.6
391.0
355.4
334.9
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