

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: P847738

Luminaire Tested: **GLAN-SB4A-722-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847738
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB4A-722-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14068 lumens
Efficiency: N/A
Efficacy: 123.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

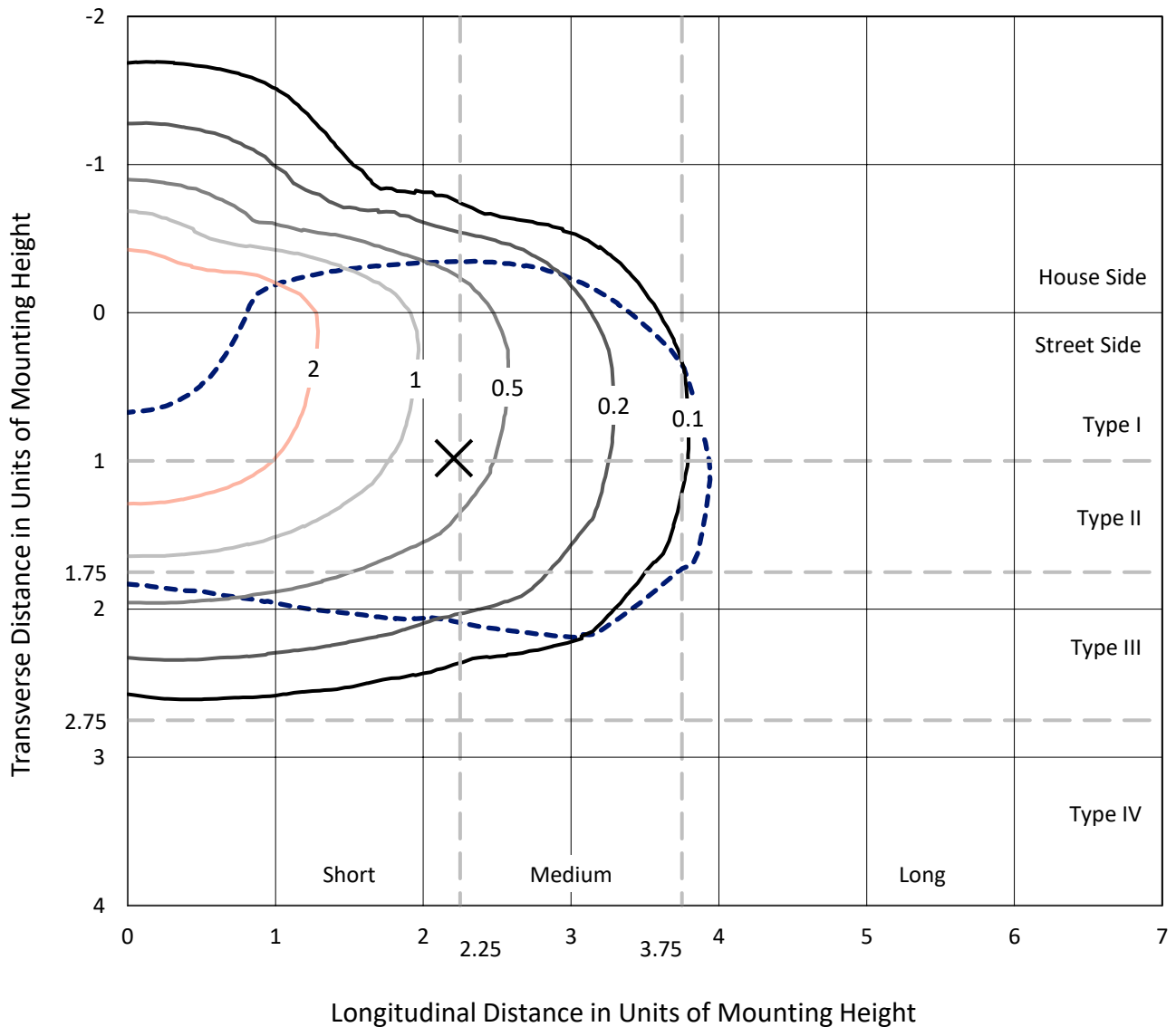
Input Watts (W): 114
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

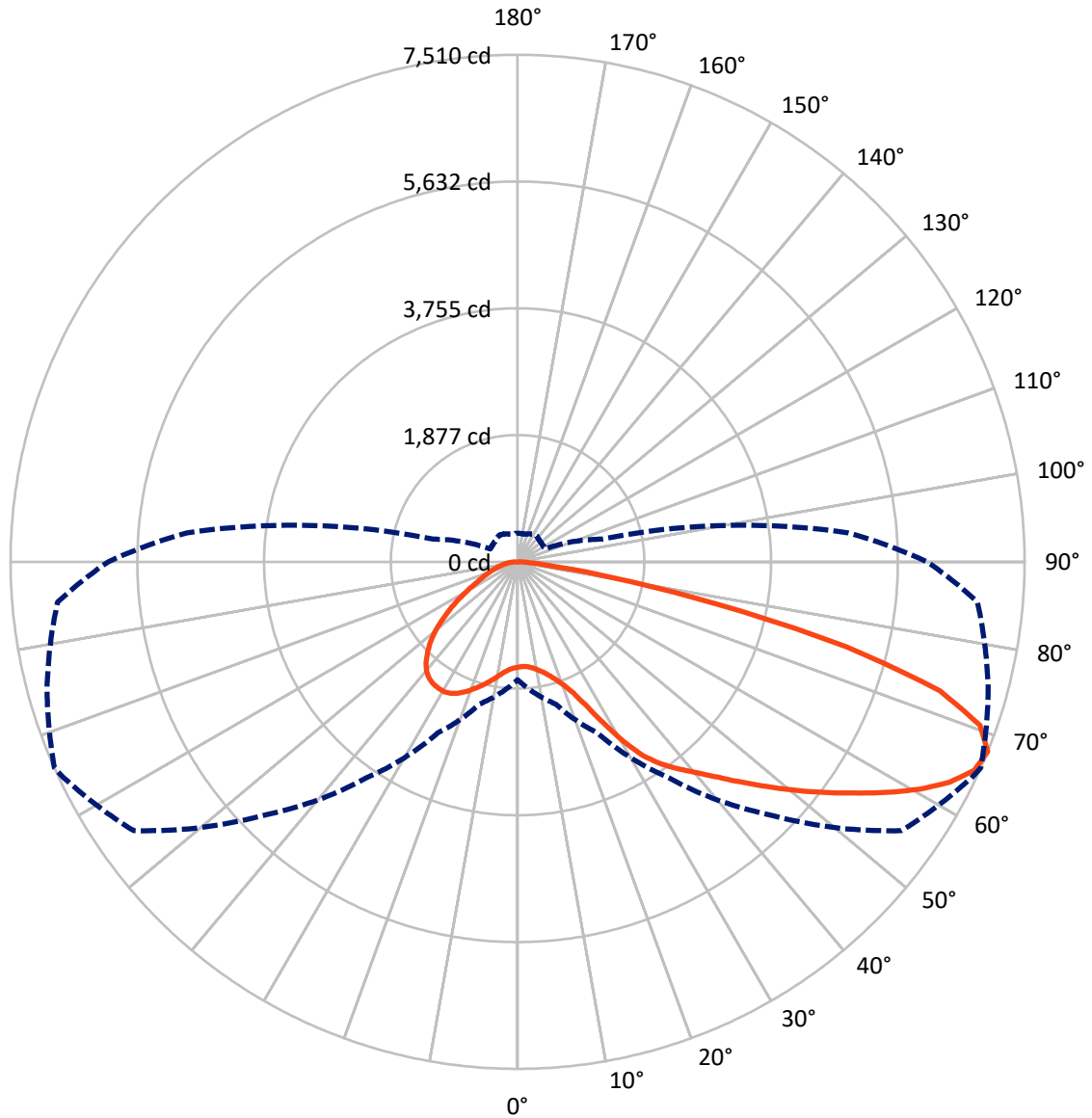
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3498.0	0.0	3498.0
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	10570.0	0.0	10570.0
	% Fixture	75.1	0.0	75.1
Total	Lumens	14068.0	0.0	14068.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.7	1.1
10°-20°	511.1	3.6
20°-30°	985.1	7.0
30°-40°	1727.3	12.3
40°-50°	2567.9	18.3
50°-60°	3255.1	23.1
60°-70°	3185.0	22.6
70°-80°	1519.3	10.8
80°-90°	162.4	1.2
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°	14068.0	100.0
0°-180°	14068.0	100.0

Coefficient of Utilization

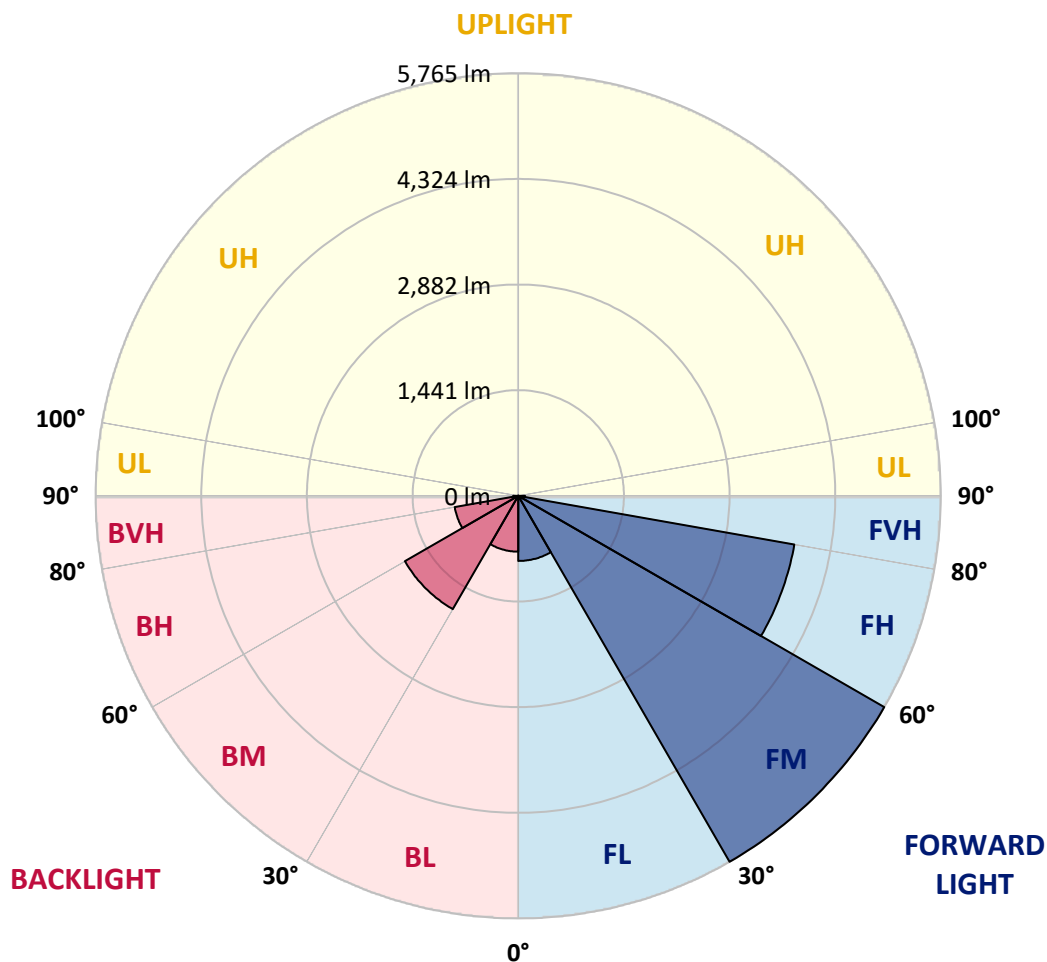


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	889.0	6.3			
FM (30°-60°)	5764.9	41.0			
FH (60°-80°)	3824.1	27.2			G2/5000
FVH (80°-90°)	92.1	0.7			G1/100
BL (0°-30°)	762.0	5.4	B2/1000		
BM (30°-60°)	1785.4	12.7	B2/2500		
BH (60°-80°)	880.3	6.3	B2/1000		G2/1000
BVH (80°-90°)	70.3	0.5			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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	1560.3	1560.3	1560.3	1560.3	1560.3	1560.3	1560.3	1560.3	1560.3	1560.3
2.5°	1544.1	1552.9	1550.7	1547.0	1546.3	1547.8	1550.0	1552.2	1551.5	1555.2
5°	1539.6	1548.5	1547.8	1547.8	1550.7	1556.6	1560.3	1564.0	1560.3	1564.8
7.5°	1542.6	1549.2	1552.2	1555.2	1562.5	1573.6	1582.5	1590.6	1586.2	1591.4
10°	1580.3	1585.5	1588.4	1588.4	1593.6	1606.2	1615.0	1629.8	1626.1	1634.2
12.5°	1649.0	1654.2	1654.2	1651.2	1654.9	1663.1	1666.0	1682.3	1675.6	1688.9
15°	1733.3	1743.6	1735.5	1730.3	1731.8	1739.9	1739.2	1751.8	1745.1	1756.2
17.5°	1826.4	1839.7	1826.4	1825.7	1822.7	1831.6	1832.3	1843.4	1831.6	1839.7
20°	1936.5	1955.0	1943.9	1947.6	1941.0	1944.7	1948.4	1964.6	1946.2	1952.1
22.5°	2091.8	2113.9	2102.1	2116.2	2111.7	2108.8	2108.0	2136.9	2108.0	2110.2
25°	2317.9	2344.6	2323.9	2343.1	2343.1	2352.7	2363.8	2400.7	2352.7	2338.6
27.5°	2652.0	2678.6	2638.0	2649.8	2646.1	2669.8	2658.0	2749.6	2697.9	2675.0
30°	3054.1	3101.4	3024.6	3021.6	3017.9	3055.6	3072.6	3133.2	3080.7	3057.8
32.5°	3488.7	3538.3	3446.6	3420.0	3406.0	3428.9	3414.8	3463.6	3427.4	3391.9
35°	3948.5	3997.3	3910.1	3858.3	3802.1	3754.1	3703.8	3716.4	3682.4	3628.4
37.5°	4383.1	4472.5	4380.2	4324.7	4221.2	4127.4	3986.9	3928.5	3896.8	3847.2
40°	4825.9	4876.9	4806.6	4759.3	4647.0	4499.9	4275.2	4151.8	4108.9	4060.8
42.5°	5151.8	5200.6	5162.9	5130.4	5042.4	4871.7	4581.2	4426.7	4364.6	4310.7
45°	5410.5	5446.7	5423.1	5434.9	5397.2	5231.6	4898.3	4721.6	4657.3	4591.5
47.5°	5514.7	5553.2	5590.9	5661.1	5725.4	5603.4	5239.0	5040.9	4972.9	4905.7
50°	5502.9	5542.1	5651.5	5800.8	6000.3	5959.7	5598.3	5380.9	5318.1	5241.3
52.5°	5408.3	5452.6	5593.1	5841.4	6159.3	6226.5	5964.1	5732.0	5672.9	5581.3
55°	5159.9	5186.6	5397.2	5749.0	6197.0	6412.8	6322.6	6106.0	6046.9	5919.0
57.5°	4699.5	4737.9	5044.6	5499.9	6102.3	6539.2	6637.5	6499.3	6442.4	6258.3
60°	4098.5	4159.9	4511.0	5081.6	5861.4	6538.4	6923.5	6885.8	6838.5	6592.4
62.5°	3418.5	3489.5	3827.3	4490.3	5440.1	6352.9	7102.4	7209.6	7185.2	6900.6
65°	2625.4	2674.2	3010.5	3725.3	4784.5	5954.5	7123.1	7430.6	7435.0	7134.9
67.5°	1748.1	1888.5	2180.5	2795.4	3906.4	5303.3	6941.3	7466.8	7509.7	7215.5
70°	853.0	1037.8	1323.8	1816.8	2795.4	4304.8	6466.0	7169.7	7265.0	6980.4
72.5°	354.0	413.9	569.9	896.6	1604.7	2904.8	5511.0	6364.0	6540.7	6185.1
75°	238.7	258.7	326.0	459.7	731.0	1432.5	3974.4	4745.3	5029.9	4671.4
77.5°	184.0	196.6	237.3	321.5	434.6	541.8	2127.2	2859.7	3006.8	2783.6
80°	144.9	154.5	177.4	234.3	308.2	289.7	725.1	1295.7	1380.7	1158.2
82.5°	125.7	129.3	127.1	158.9	204.7	169.3	238.0	478.2	527.7	382.9
85°	90.9	101.3	105.7	98.3	108.7	85.7	97.6	169.3	186.3	166.3
87.5°	37.0	54.7	67.3	63.6	39.9	24.4	30.3	49.5	56.9	62.1
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°
1560.3	0°	1560.3	1560.3	1560.3	1560.3	1560.3	1560.3	1560.3	1560.3	1560.3
1561.1	2.5°	1561.8	1567.0	1570.7	1575.1	1578.1	1582.5	1591.4	1596.5	1597.3
1572.9	5°	1575.8	1583.2	1591.4	1603.2	1616.5	1627.6	1644.6	1656.4	1660.9
1601.7	7.5°	1606.2	1616.5	1631.3	1652.0	1671.2	1686.0	1706.7	1720.7	1734.8
1647.5	10°	1651.2	1666.0	1687.5	1715.5	1736.2	1755.5	1776.9	1788.7	1802.8
1702.2	12.5°	1707.4	1722.9	1751.0	1790.2	1809.4	1822.7	1830.1	1827.2	1830.1
1768.0	15°	1771.7	1788.7	1820.5	1862.6	1875.9	1864.1	1847.9	1833.1	1830.9
1847.9	17.5°	1847.9	1860.4	1897.4	1932.9	1923.2	1874.5	1839.0	1815.3	1803.5
1949.9	20°	1954.3	1954.3	1984.6	2006.8	1942.5	1859.7	1804.2	1765.8	1741.4
2088.8	22.5°	2083.6	2071.8	2091.0	2075.5	1938.8	1818.3	1741.4	1674.9	1637.9
2283.2	25°	2247.7	2233.7	2228.5	2132.4	1912.2	1752.5	1627.6	1547.0	1514.5
2563.3	27.5°	2495.3	2459.9	2392.6	2163.5	1863.4	1649.0	1494.5	1419.9	1401.4
2923.3	30°	2825.0	2754.0	2589.2	2168.6	1783.5	1502.7	1358.5	1305.3	1296.5
3225.6	32.5°	3130.3	3063.0	2790.3	2145.0	1660.9	1359.3	1236.6	1201.1	1187.8
3456.2	35°	3369.7	3351.3	2976.5	2111.7	1510.1	1224.8	1127.2	1096.9	1071.0
3673.5	37.5°	3595.9	3588.5	3116.2	2065.2	1360.8	1129.4	1039.2	999.3	961.6
3913.8	40°	3844.3	3836.9	3207.9	1993.5	1228.5	1046.6	960.1	907.7	861.1
4185.8	42.5°	4123.7	4080.1	3251.5	1890.7	1116.1	976.4	895.8	824.9	763.5
4493.2	45°	4428.9	4330.6	3250.7	1759.9	1021.5	912.1	827.1	726.6	669.7
4808.9	47.5°	4752.7	4570.1	3210.8	1615.0	929.8	841.1	720.7	643.8	606.1
5151.8	50°	5086.8	4794.1	3142.8	1448.7	836.0	760.6	654.1	601.7	572.8
5491.8	52.5°	5400.9	4997.3	3060.8	1260.2	740.6	682.2	624.6	583.9	553.6
5821.5	55°	5692.9	5172.5	2944.7	1067.3	663.0	629.7	610.5	576.5	541.8
6156.3	57.5°	5952.3	5286.3	2744.4	886.2	607.6	593.5	595.7	564.0	524.1
6486.0	60°	6168.1	5369.9	2448.0	718.4	562.5	558.1	572.8	540.3	493.7
6764.6	62.5°	6297.5	5368.4	2084.4	588.4	524.1	525.5	542.5	510.7	463.4
6910.2	65°	6286.4	5236.8	1685.2	503.4	487.1	488.6	510.7	478.2	438.3
6837.1	67.5°	6063.9	4916.0	1292.8	447.9	446.4	453.1	479.0	456.1	422.8
6401.0	70°	5461.5	4250.1	931.3	403.6	404.3	413.9	447.9	442.0	414.7
5381.7	72.5°	4379.4	3240.4	625.3	357.0	357.7	373.3	418.4	430.9	406.5
3818.4	75°	2916.7	2020.8	402.1	307.5	308.2	328.2	392.5	409.5	384.4
1986.8	77.5°	1401.4	908.4	291.2	258.7	258.7	277.2	339.3	366.6	327.4
638.6	80°	484.1	341.5	229.1	208.4	204.0	216.6	286.0	317.8	282.4
208.4	82.5°	190.7	177.4	184.0	161.9	147.1	155.2	222.5	262.4	207.7
117.5	85°	109.4	115.3	130.1	107.2	85.0	95.3	163.4	188.5	156.7
38.4	87.5°	29.6	40.7	59.9	55.4	38.4	40.7	77.6	104.2	90.2
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END O

180°
1560.3
1600.2
1663.8
1740.7
1811.6
1836.8
1837.5
1805.0
1728.9
1620.9
1507.8
1404.4
1312.7
1198.1
1069.5
941.7
827.1
731.0
635.7
581.7
547.7
524.1
507.8
490.1
459.7
434.6
424.3
423.5
416.9
451.6
447.9
316.4
243.9
187.0
141.2
71.7
0.0

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