

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: P852476

Luminaire Tested: **GLAN-SB4A-840-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852476
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB4A-840-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 80 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12105 lumens
Efficiency: N/A
Efficacy: 106.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G3

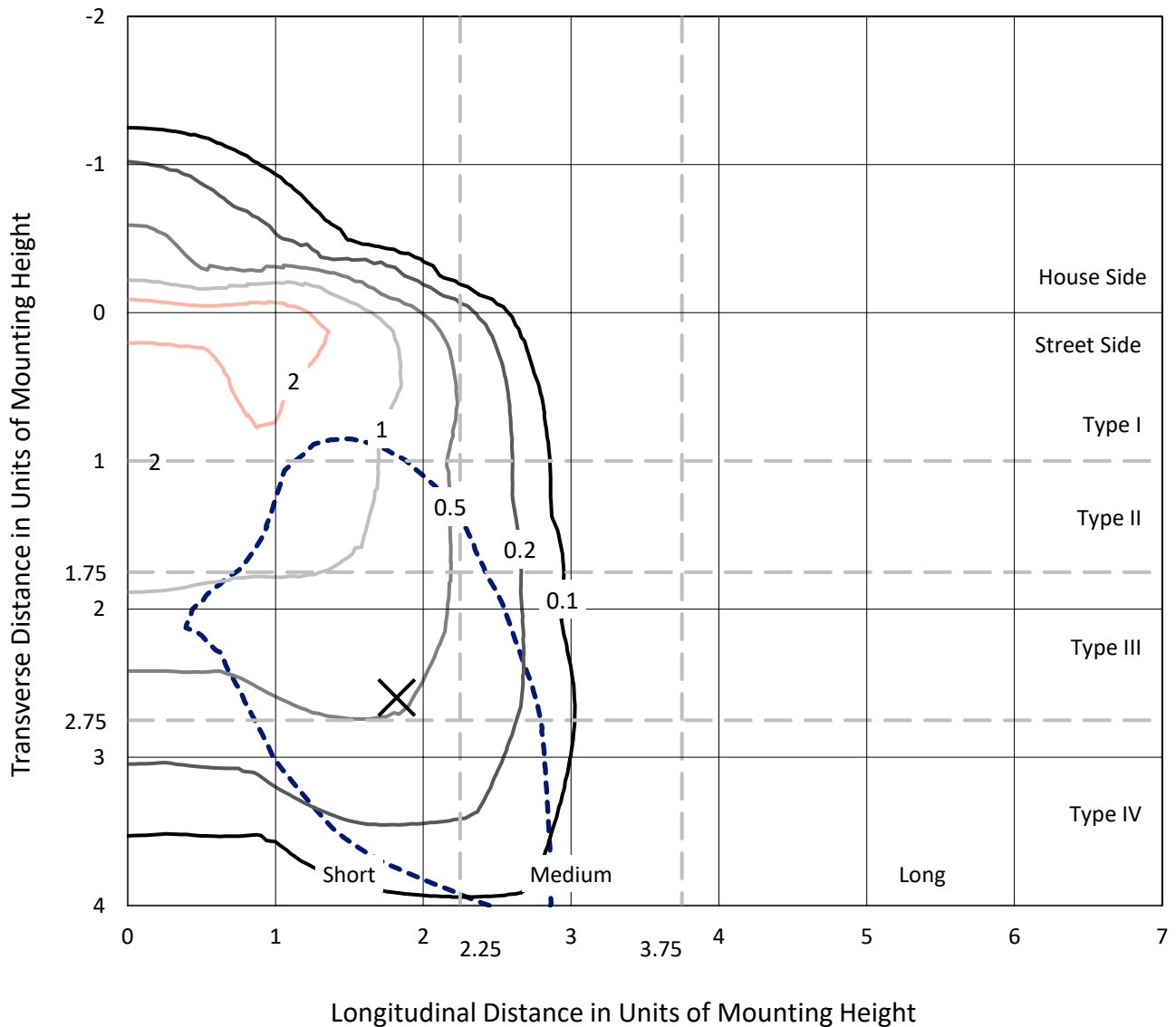
Input Watts (W): 114
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

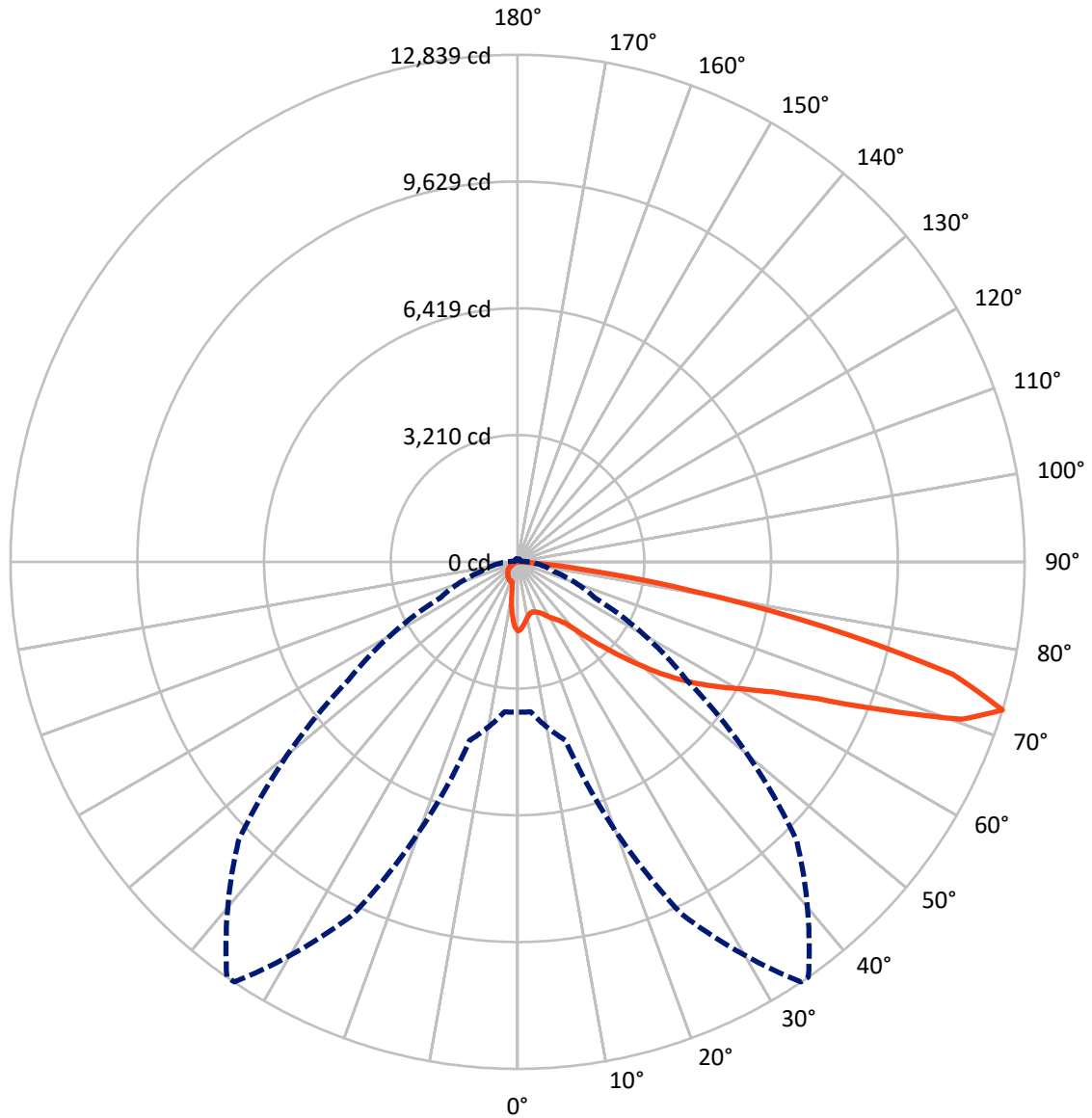
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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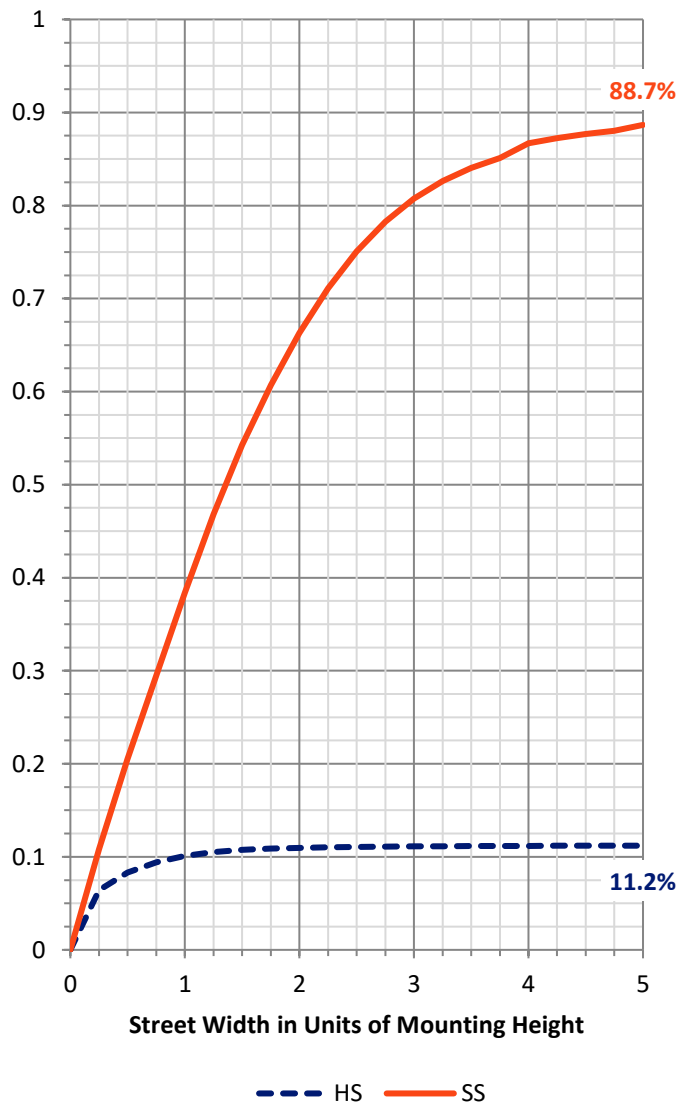
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1362.4	0.0	1362.4
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	10742.6	0.0	10742.6
	% Fixture	88.7	0.0	88.7
Total	Lumens	12105.0	0.0	12105.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.2	1.2
10°-20°	337.3	2.8
20°-30°	547.9	4.5
30°-40°	914.1	7.6
40°-50°	1729.5	14.3
50°-60°	2748.2	22.7
60°-70°	3399.7	28.1
70°-80°	2113.3	17.5
80°-90°	170.8	1.4
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°	12105.0	100.0
0°-180°	12105.0	100.0

Coefficient of Utilization



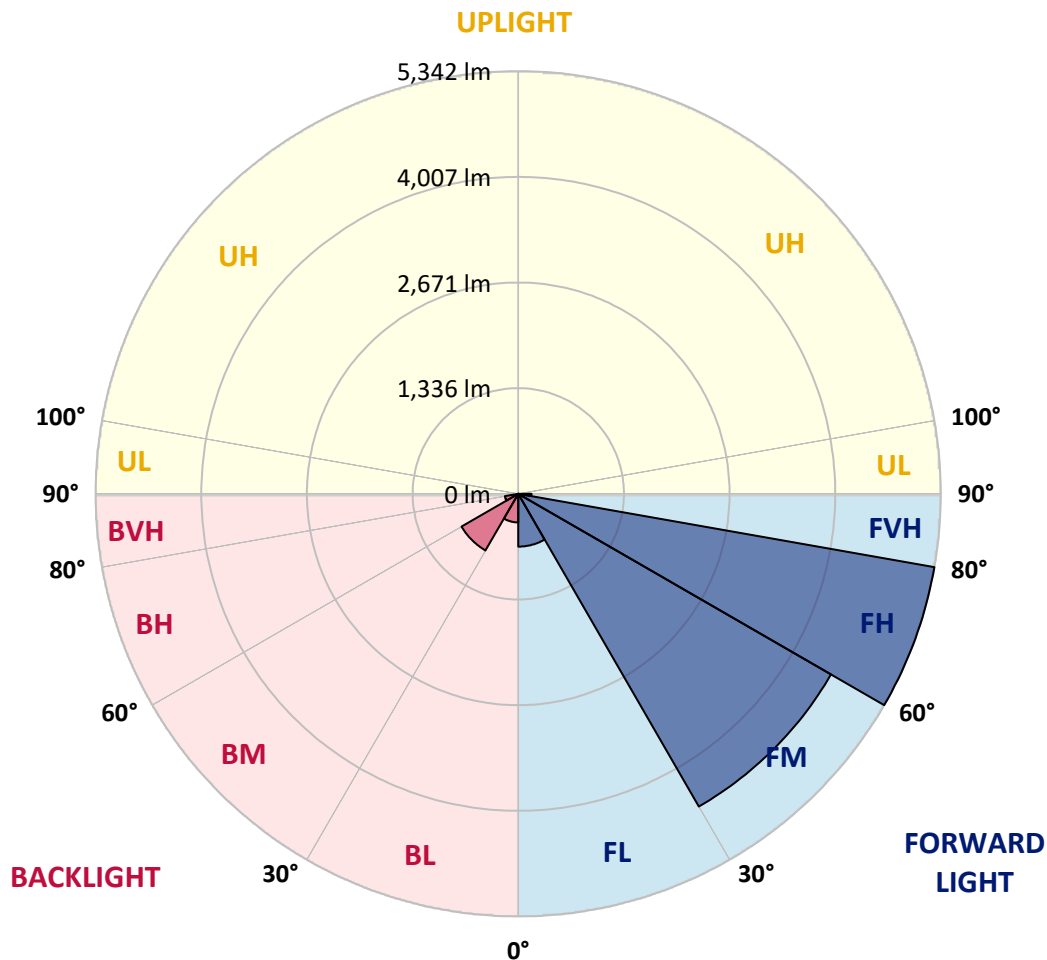
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	667.3	5.5			
FM (30°-60°)	4564.8	37.7			
FH (60°-80°)	5342.1	44.1			G3/7500
FVH (80°-90°)	168.5	1.4			G2/225
BL (0°-30°)	362.0	3.0	B1/500		
BM (30°-60°)	827.1	6.8	B1/1000		
BH (60°-80°)	171.0	1.4	B1/500		G1/500
BVH (80°-90°)	2.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	1754.4	1754.4	1754.4	1754.4	1754.4	1754.4	1754.4	1754.4	1754.4	1754.4
2.5°	1676.4	1690.6	1693.2	1697.7	1697.7	1703.0	1711.8	1724.3	1744.7	1755.3
5°	1545.1	1555.7	1569.0	1579.7	1600.1	1602.7	1637.3	1671.0	1718.1	1753.5
7.5°	1412.9	1425.4	1443.1	1468.8	1495.4	1503.4	1555.7	1612.5	1687.0	1753.5
10°	1319.8	1320.7	1336.7	1362.4	1405.0	1414.7	1478.6	1559.3	1652.4	1742.9
12.5°	1267.5	1273.7	1280.8	1300.3	1341.1	1347.3	1415.6	1510.5	1617.8	1736.7
15°	1267.5	1271.9	1276.3	1286.1	1318.9	1324.2	1384.6	1479.5	1600.1	1739.3
17.5°	1280.8	1287.9	1284.3	1295.9	1330.5	1334.0	1387.2	1470.6	1599.2	1756.2
20°	1312.7	1318.0	1310.9	1318.0	1352.6	1359.7	1414.7	1487.4	1614.3	1785.5
22.5°	1363.3	1365.9	1349.1	1354.4	1389.9	1398.7	1462.6	1535.3	1650.6	1832.5
25°	1427.1	1432.5	1406.7	1412.9	1446.6	1457.3	1530.9	1607.2	1708.3	1897.2
27.5°	1500.7	1503.4	1481.2	1480.3	1523.8	1538.9	1613.4	1695.9	1785.5	1978.8
30°	1585.0	1593.0	1571.7	1568.2	1623.1	1635.6	1709.2	1805.0	1899.0	2101.2
32.5°	1651.5	1657.7	1645.3	1654.2	1710.1	1719.8	1825.4	1959.3	2077.3	2275.1
35°	1747.3	1750.9	1722.5	1738.5	1802.3	1827.2	1984.1	2175.7	2301.7	2493.3
37.5°	2094.1	2094.1	1973.5	1894.6	1955.8	1977.9	2201.5	2448.0	2578.4	2786.0
40°	2574.0	2566.0	2389.5	2228.1	2220.1	2263.5	2511.0	2791.3	2935.9	3137.2
42.5°	3085.8	3073.3	2833.0	2673.3	2646.7	2661.8	2868.5	3214.4	3361.6	3565.6
45°	3539.9	3536.3	3316.4	3101.7	3053.8	3101.7	3314.6	3709.3	3814.8	4029.5
47.5°	3920.4	3920.4	3759.9	3619.7	3594.9	3623.3	3918.6	4258.3	4248.6	4523.5
50°	4358.6	4355.0	4202.4	4142.1	4167.9	4207.8	4614.0	4836.6	4697.4	5008.7
52.5°	4665.4	4686.7	4634.4	4624.6	4755.9	4825.1	5320.0	5402.5	5099.2	5469.0
55°	4908.5	4933.3	4993.6	5061.9	5314.7	5405.2	6003.9	5939.1	5435.3	5868.2
57.5°	5252.6	5217.1	5310.3	5445.1	5854.0	5963.1	6666.4	6445.6	5705.9	6191.9
60°	5670.4	5675.7	5691.7	5862.0	6392.4	6532.5	7319.3	6924.5	5879.7	6390.6
62.5°	6172.4	6180.4	6213.2	6474.9	7115.2	7247.4	8014.6	7316.6	5959.5	6334.7
65°	6137.8	6171.5	6537.8	7432.8	8214.2	8344.6	8826.2	7591.5	5838.9	5823.8
67.5°	5591.4	5646.4	6259.3	8577.0	9871.1	10016.5	9807.2	7645.7	5318.3	4528.9
70°	4874.8	4894.3	5631.4	9605.9	11789.6	11936.8	10685.3	7050.5	4035.7	2526.1
72.5°	3806.9	3811.3	4676.1	9844.4	12830.9	12838.8	9996.1	5234.0	2170.4	970.3
75°	2719.4	2692.8	3131.9	7983.6	11288.4	11378.9	7494.0	2455.1	829.3	458.6
77.5°	1458.2	1487.4	1772.2	4734.6	7798.2	7952.5	4088.9	707.8	422.2	312.2
80°	450.6	475.4	726.4	2167.7	4417.1	4510.2	1515.8	314.9	294.5	222.6
82.5°	141.9	147.2	338.8	910.9	1833.4	1875.9	439.0	178.3	201.3	147.2
85°	40.8	41.7	150.8	339.7	453.2	462.1	123.3	69.2	115.3	91.4
87.5°	4.4	14.2	56.8	56.8	39.9	39.0	13.3	15.1	32.8	11.5
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°
1754.4	0°	1754.4	1754.4	1754.4	1754.4	1754.4	1754.4	1754.4	1754.4	1754.4	1754.4
1762.4	2.5°	1758.0	1758.9	1747.3	1727.8	1706.5	1688.8	1666.6	1648.9	1636.5	1632.9
1778.4	5°	1770.4	1764.2	1731.4	1671.9	1601.0	1539.8	1471.5	1417.4	1381.9	1366.8
1795.2	7.5°	1789.0	1771.3	1699.4	1582.3	1446.6	1326.0	1203.6	1108.7	1048.4	1018.2
1811.2	10°	1805.0	1769.5	1646.2	1452.9	1245.3	1062.6	897.6	783.2	719.3	689.2
1829.8	12.5°	1820.1	1768.6	1577.0	1299.4	1018.2	794.7	641.3	584.5	566.8	560.6
1860.0	15°	1848.4	1771.3	1490.1	1123.8	792.1	600.5	544.6	543.7	547.3	545.5
1906.1	17.5°	1887.5	1773.9	1391.7	937.5	611.1	529.5	526.9	534.8	540.2	537.5
1963.7	20°	1938.0	1784.6	1287.0	753.0	525.1	511.8	518.0	525.1	529.5	525.1
2040.9	22.5°	2009.0	1803.2	1172.6	604.9	497.6	501.1	506.5	514.4	518.9	512.7
2139.4	25°	2095.9	1832.5	1059.9	526.0	484.3	488.7	496.7	505.6	510.9	504.7
2263.5	27.5°	2208.5	1879.5	956.2	508.2	471.0	473.6	485.2	498.5	505.6	497.6
2440.0	30°	2371.7	1956.6	866.6	516.2	463.0	456.8	472.8	491.4	499.4	492.3
2680.4	32.5°	2588.2	2065.7	811.6	528.6	459.4	437.3	452.4	476.3	489.6	485.2
2994.4	35°	2872.0	2231.6	790.3	542.8	456.8	416.9	427.5	453.2	476.3	480.7
3390.0	37.5°	3216.1	2462.2	796.5	549.0	448.8	400.0	405.3	427.5	457.7	471.9
3835.2	40°	3607.3	2731.0	832.0	542.8	439.9	385.8	386.7	403.6	430.2	451.5
4314.2	42.5°	4010.9	3045.0	897.6	519.8	432.0	373.4	370.8	382.3	400.0	415.1
4792.3	45°	4394.9	3367.8	962.4	487.8	422.2	361.0	354.8	359.2	362.8	369.0
5257.9	47.5°	4730.2	3594.9	943.7	458.6	408.9	346.8	336.2	334.4	323.7	322.9
5673.9	50°	4961.7	3644.5	838.2	429.3	389.4	330.8	314.0	303.3	284.7	275.8
5985.3	52.5°	5035.3	3448.5	684.7	400.0	357.4	309.6	285.6	268.8	245.7	237.7
6164.4	55°	4937.7	3064.5	547.3	364.5	313.1	281.2	254.6	232.4	213.8	204.0
6183.9	57.5°	4699.2	2575.8	432.8	322.9	266.1	249.2	222.6	200.5	184.5	174.7
5967.5	60°	4303.6	2045.3	342.4	273.2	227.1	214.6	187.1	173.0	158.8	147.2
5408.7	62.5°	3703.1	1459.9	268.8	216.4	189.8	175.6	159.7	149.0	132.2	116.2
4403.8	65°	2889.7	893.2	207.6	158.8	152.6	145.5	135.7	125.9	105.5	89.6
2872.9	67.5°	1822.7	423.1	148.1	119.7	120.6	117.1	112.6	104.7	89.6	75.4
1287.0	70°	802.7	204.9	97.6	91.4	89.6	89.6	93.1	90.5	76.3	63.0
447.0	72.5°	273.2	110.0	72.7	69.2	64.7	63.9	78.1	75.4	61.2	48.8
222.6	75°	142.8	73.6	53.2	49.7	39.0	47.0	62.1	58.5	43.5	31.9
147.2	77.5°	93.1	52.3	36.4	31.9	22.2	31.0	46.1	40.8	25.7	16.0
96.7	80°	58.5	34.6	21.3	15.1	10.6	16.9	24.8	17.7	9.8	3.5
56.8	82.5°	31.0	17.7	8.0	5.3	4.4	5.3	6.2	4.4	1.8	0.0
29.3	85°	12.4	6.2	2.7	1.8	0.9	0.0	1.8	0.9	0.0	0.0
5.3	87.5°	4.4	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°
1754.4
1639.1
1372.1
1022.7
690.1
558.8
544.6
536.6
524.2
511.8
503.8
497.6
491.4
485.2
480.7
475.4
458.6
421.3
372.5
322.0
276.7
236.8
204.0
173.0
144.6
113.5
86.9
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