

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: P846653

Luminaire Tested: **GLAN-SB2B-850-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846653
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB2B-850-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9585 lumens
Efficiency: N/A
Efficacy: 129.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G3

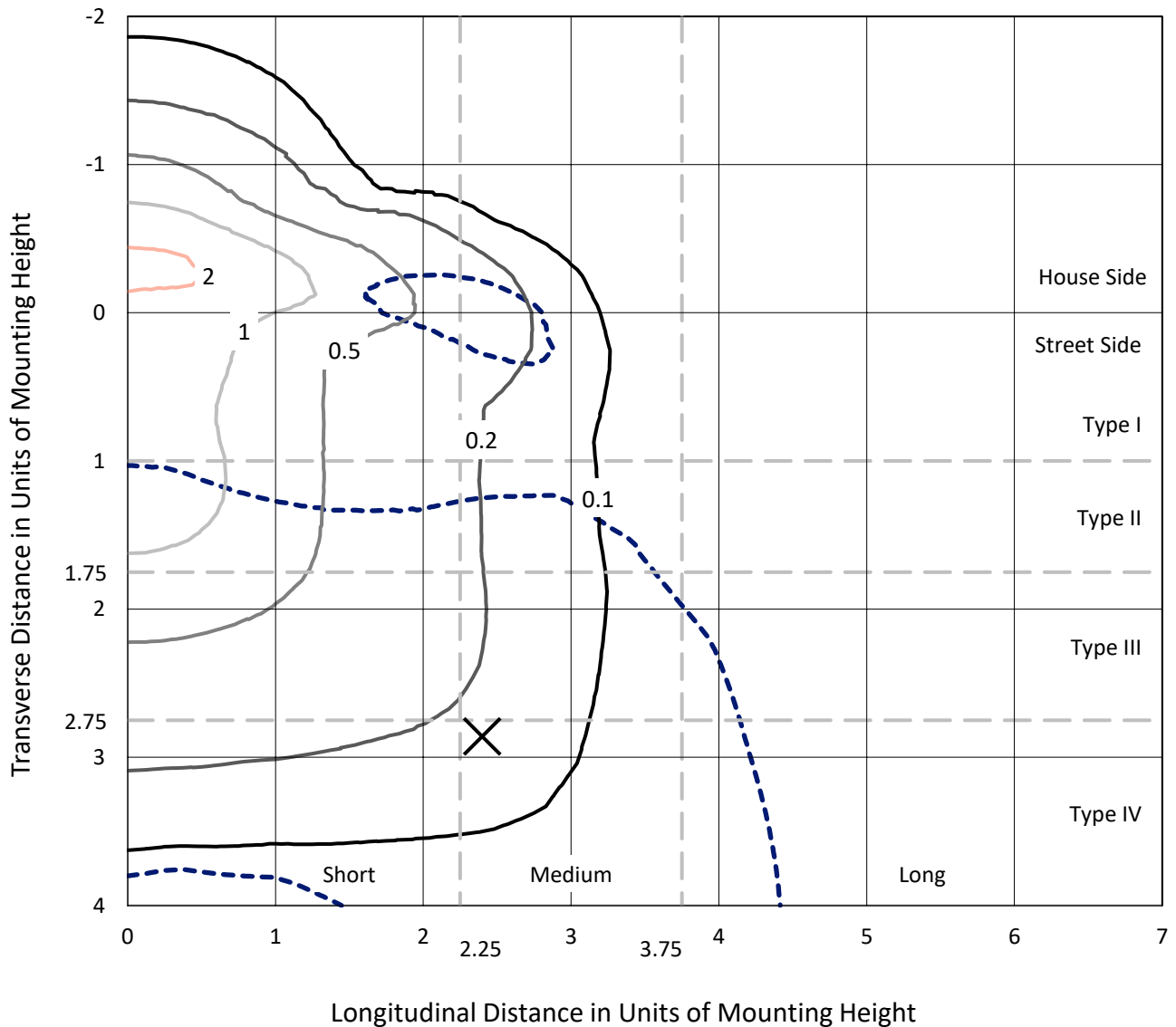
Input Watts (W): 73.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

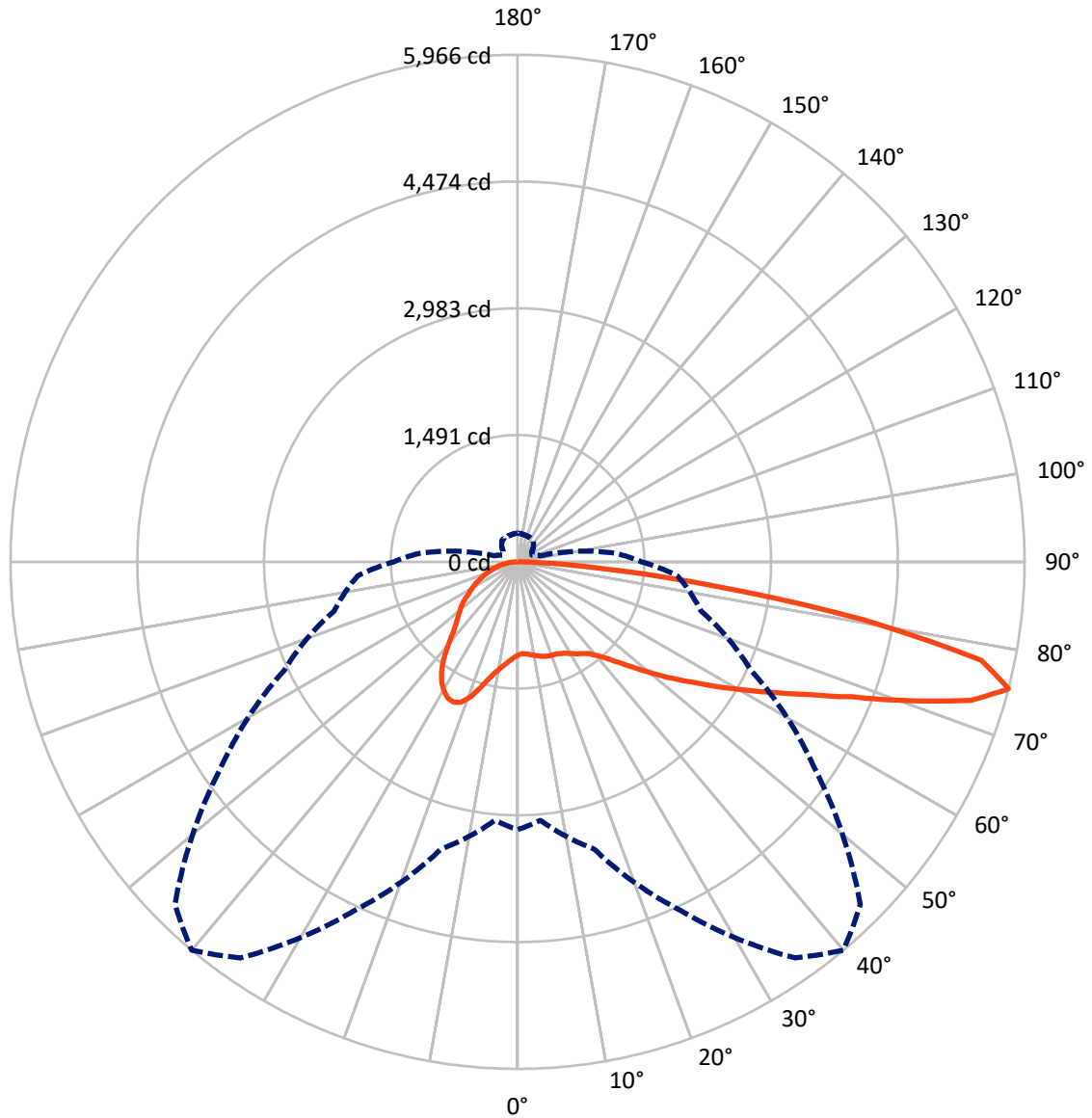
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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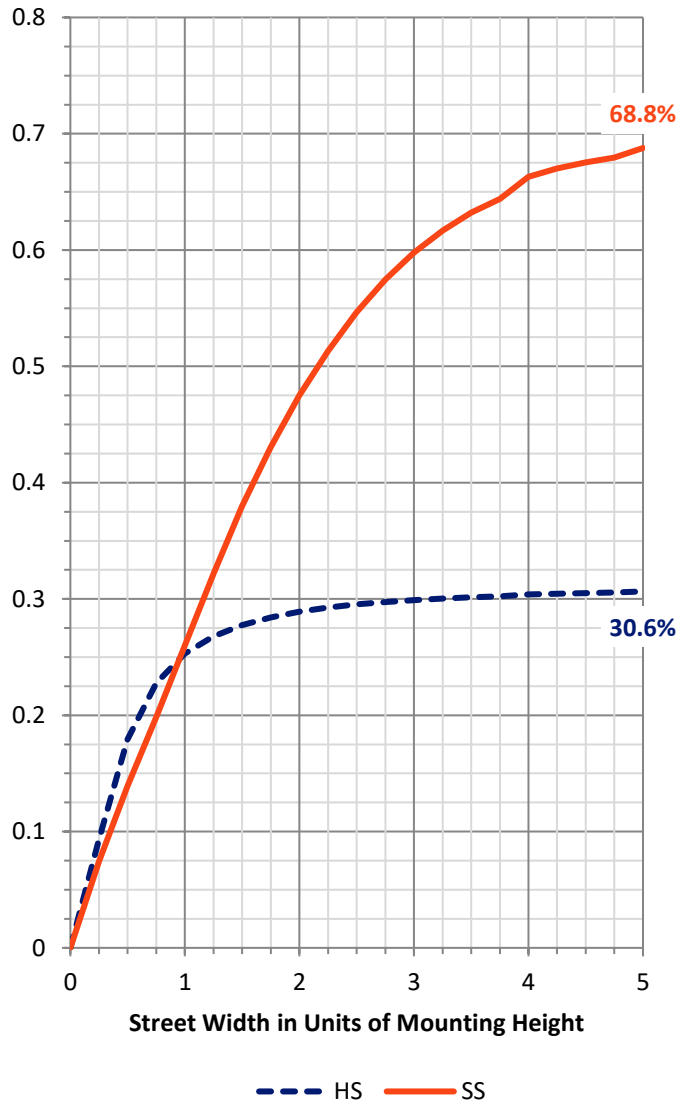
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2969.7	0.0	2969.7
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	6615.2	0.0	6615.2
	% Fixture	69.0	0.0	69.0
Total	Lumens	9585.0	0.0	9585.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.4	1.1
10°-20°	367.3	3.8
20°-30°	670.7	7.0
30°-40°	951.3	9.9
40°-50°	1284.5	13.4
50°-60°	1728.0	18.0
60°-70°	2193.2	22.9
70°-80°	1990.5	20.8
80°-90°	290.1	3.0
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°	9585.0	100.0
0°-180°	9585.0	100.0

Coefficient of Utilization

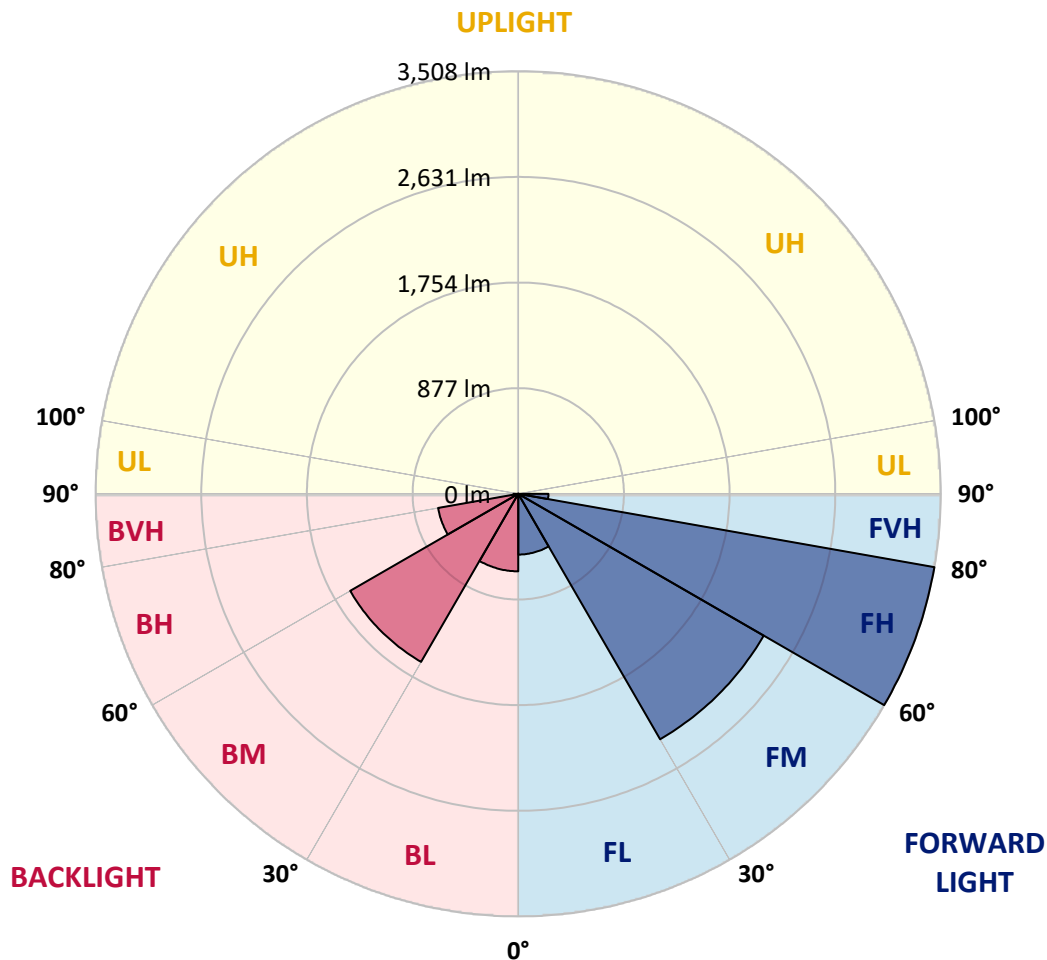


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	504.2	5.3			
FM (30°-60°)	2352.9	24.5			
FH (60°-80°)	3508.0	36.6			G2/5000
FVH (80°-90°)	250.2	2.6			G3/500
BL (0°-30°)	643.3	6.7	B2/1000		
BM (30°-60°)	1610.8	16.8	B2/2500		
BH (60°-80°)	675.7	7.0	B2/1000		G2/1000
BVH (80°-90°)	39.9	0.4			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 Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	1096.1	1096.1	1096.1	1096.1	1096.1	1096.1	1096.1	1096.1	1096.1	1096.1
2.5°	1079.3	1085.4	1083.9	1081.8	1081.8	1082.3	1081.8	1085.4	1088.9	1092.5
5°	1090.5	1096.6	1093.5	1091.0	1088.9	1088.4	1086.9	1086.4	1088.4	1093.0
7.5°	1112.3	1118.4	1113.9	1109.3	1105.2	1103.2	1101.1	1098.1	1096.6	1099.1
10°	1136.7	1142.8	1137.2	1129.1	1122.5	1120.0	1117.9	1114.9	1112.8	1114.4
12.5°	1161.1	1167.2	1159.6	1148.4	1139.8	1138.3	1135.7	1134.7	1134.2	1133.7
15°	1184.0	1189.1	1179.4	1166.2	1157.1	1154.5	1152.0	1153.5	1156.0	1159.1
17.5°	1201.8	1206.9	1192.6	1175.4	1166.7	1165.7	1164.2	1169.3	1176.4	1184.0
20°	1218.1	1223.2	1204.8	1181.5	1171.3	1171.3	1171.8	1182.5	1192.6	1203.8
22.5°	1240.9	1245.0	1222.6	1190.6	1175.9	1176.9	1181.0	1191.6	1204.3	1219.6
25°	1275.0	1278.1	1250.6	1207.9	1191.1	1194.2	1197.7	1202.8	1215.0	1232.8
27.5°	1329.9	1332.5	1296.4	1238.4	1213.0	1218.1	1223.2	1219.6	1225.2	1240.4
30°	1407.2	1408.7	1363.0	1286.2	1250.1	1252.6	1253.7	1238.9	1228.2	1240.4
32.5°	1498.7	1498.2	1443.8	1344.1	1292.3	1289.7	1281.1	1252.1	1227.2	1237.9
35°	1640.5	1634.9	1564.8	1425.5	1340.1	1324.3	1304.0	1266.9	1232.3	1235.4
37.5°	1875.4	1858.1	1761.0	1558.7	1411.3	1371.1	1341.1	1290.8	1243.5	1234.3
40°	2140.3	2118.4	2011.6	1741.2	1518.0	1453.4	1405.1	1324.8	1261.8	1238.9
42.5°	2454.4	2423.4	2308.5	1956.2	1653.2	1559.7	1487.0	1368.0	1288.7	1253.7
45°	2840.3	2799.1	2636.4	2198.7	1823.5	1699.0	1601.9	1433.6	1329.9	1282.1
47.5°	3230.2	3240.4	3009.1	2476.3	2027.9	1870.8	1745.8	1532.2	1389.9	1327.9
50°	3644.5	3651.7	3379.7	2783.9	2259.7	2065.0	1907.4	1642.6	1473.3	1392.9
52.5°	3967.9	3968.9	3716.2	3105.7	2501.2	2278.5	2081.8	1768.6	1569.9	1479.4
55°	4170.2	4167.7	3952.1	3410.2	2778.8	2502.7	2275.0	1912.0	1687.8	1581.0
57.5°	4317.1	4309.5	4114.8	3672.0	3074.7	2767.6	2493.6	2074.7	1827.1	1702.0
60°	4373.0	4368.5	4225.1	3898.2	3385.8	3060.4	2745.7	2256.7	1985.2	1844.9
62.5°	4394.4	4403.0	4333.4	4117.3	3718.8	3384.8	3022.8	2474.3	2163.1	2006.6
65°	4469.6	4485.4	4471.2	4404.1	4095.0	3764.5	3390.4	2733.0	2357.3	2179.9
67.5°	4618.6	4634.4	4640.5	4747.2	4554.5	4237.8	3848.9	3055.3	2584.6	2359.9
70°	4615.0	4610.5	4718.2	5020.2	5130.0	4893.1	4467.1	3451.9	2855.5	2509.3
72.5°	4200.7	4164.1	4418.8	5017.2	5608.9	5577.4	5222.0	3963.3	3089.4	2527.6
75°	3151.4	3053.8	3503.7	4521.5	5688.7	5965.8	5701.9	4280.5	3034.0	2233.3
77.5°	1347.7	1249.6	1779.8	3347.1	5091.4	5576.9	5261.7	3734.5	2421.9	1476.8
80°	352.8	352.3	537.9	1517.5	3462.5	4118.3	3613.0	2411.7	1383.8	527.7
82.5°	145.9	142.3	197.8	590.2	1691.9	2311.1	1886.1	1075.7	499.7	142.9
85°	54.4	53.9	96.1	203.9	596.8	953.2	689.9	275.0	124.6	69.6
87.5°	15.3	14.7	20.8	70.7	145.4	220.6	117.9	45.2	35.1	27.5
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°
1096.1	0°	1096.1	1096.1	1096.1	1096.1	1096.1	1096.1	1096.1	1096.1	1096.1	1096.1
1098.1	2.5°	1099.6	1102.2	1106.7	1110.3	1114.9	1120.0	1127.1	1131.6	1136.2	1139.3
1100.6	5°	1104.2	1109.8	1121.5	1133.2	1146.9	1159.6	1174.3	1185.0	1193.7	1196.2
1109.8	7.5°	1114.4	1123.5	1143.3	1163.2	1185.0	1205.9	1227.2	1245.5	1260.3	1265.9
1126.1	10°	1132.2	1144.4	1172.3	1200.3	1229.3	1261.3	1288.7	1315.2	1336.0	1344.7
1145.4	12.5°	1154.5	1169.8	1206.4	1245.0	1285.2	1329.4	1365.0	1397.5	1423.5	1435.1
1172.3	15°	1183.5	1203.3	1250.1	1301.9	1360.9	1422.4	1467.7	1503.8	1532.8	1547.0
1200.3	17.5°	1215.0	1241.5	1300.4	1378.7	1463.1	1543.9	1596.8	1623.2	1653.2	1667.0
1226.2	20°	1245.5	1278.1	1362.4	1476.3	1588.7	1674.6	1717.3	1724.4	1726.4	1728.0
1250.6	22.5°	1277.0	1320.8	1440.2	1599.3	1719.8	1779.3	1785.4	1754.9	1712.2	1692.4
1274.5	25°	1311.6	1369.6	1541.9	1735.1	1832.7	1839.8	1793.0	1718.8	1638.0	1600.9
1293.8	27.5°	1345.2	1426.0	1663.9	1864.7	1914.0	1851.5	1750.8	1645.6	1548.0	1508.9
1307.5	30°	1378.7	1490.6	1798.6	1978.1	1951.1	1822.5	1684.2	1566.8	1468.7	1427.5
1319.7	32.5°	1412.8	1565.8	1953.7	2059.9	1944.5	1761.0	1601.4	1478.4	1391.9	1348.7
1330.4	35°	1451.4	1658.3	2100.6	2104.7	1900.3	1670.5	1492.1	1372.6	1297.4	1262.8
1343.1	37.5°	1501.7	1775.8	2230.2	2115.9	1823.0	1537.8	1356.3	1247.6	1185.5	1169.8
1361.9	40°	1564.3	1917.1	2329.4	2098.1	1708.6	1376.7	1207.9	1121.0	1085.9	1089.4
1387.4	42.5°	1645.6	2075.2	2399.0	2052.3	1549.5	1210.4	1077.8	1039.1	1055.9	1070.1
1425.5	45°	1751.4	2239.4	2442.2	1974.5	1369.6	1069.6	1001.0	1010.1	1022.9	1024.4
1487.0	47.5°	1886.6	2405.6	2470.7	1857.1	1186.0	970.5	952.2	954.2	951.7	941.0
1579.0	50°	2055.4	2567.3	2496.1	1701.5	1030.0	908.5	884.1	876.9	841.9	807.3
1701.5	52.5°	2247.5	2715.7	2506.8	1508.4	908.5	856.6	817.0	772.2	706.6	696.0
1855.6	55°	2461.0	2853.0	2479.3	1270.9	806.3	790.0	730.0	676.1	669.0	659.9
2058.4	57.5°	2716.3	3000.9	2423.4	1006.1	701.6	712.2	653.8	659.9	647.2	632.9
2319.2	60°	2995.3	3154.0	2325.3	764.6	593.3	615.1	633.9	633.4	629.9	618.2
2594.2	62.5°	3246.5	3254.6	2132.1	585.6	498.2	539.9	591.2	590.7	587.7	581.1
2881.5	65°	3395.9	3239.4	1809.8	461.1	419.9	477.9	533.3	537.4	537.9	537.4
3097.5	67.5°	3369.5	3060.9	1367.5	367.0	355.4	414.8	475.8	481.4	485.5	486.5
3125.0	70°	3070.6	2669.0	891.7	292.8	297.9	359.4	421.4	427.0	430.6	434.7
2711.7	72.5°	2393.4	1962.3	510.4	236.9	247.6	311.6	367.6	374.2	376.2	383.8
1887.1	75°	1458.5	1154.0	275.5	186.6	203.4	266.4	314.2	321.8	325.4	334.5
926.8	77.5°	693.4	499.7	157.1	145.4	163.7	217.6	265.4	274.0	264.4	269.4
255.7	80°	234.4	185.6	99.1	110.8	125.1	169.8	212.5	221.1	200.8	199.8
84.9	82.5°	81.8	75.2	63.0	73.7	80.8	121.5	160.6	171.8	149.5	149.0
38.1	85°	32.0	30.5	35.1	40.2	48.3	74.7	105.7	111.3	92.0	74.2
11.2	87.5°	6.6	7.1	8.6	9.2	14.7	25.9	38.1	46.8	37.1	31.5
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°
1096.1
1137.2
1197.2
1266.4
1345.2
1435.1
1546.0
1666.5
1732.0
1698.0
1606.5
1513.4
1432.1
1354.3
1270.4
1181.0
1101.6
1083.3
1034.5
949.1
811.9
699.5
661.4
630.4
614.1
578.5
537.4
487.5
436.7
386.9
335.5
265.4
197.8
141.8
73.2
29.0
0.0

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