

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: P846543

Luminaire Tested: **GLAN-SB2B-722-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846543
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-722-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2200K, 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: 8729 lumens
Efficiency: N/A
Efficacy: 118.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G3

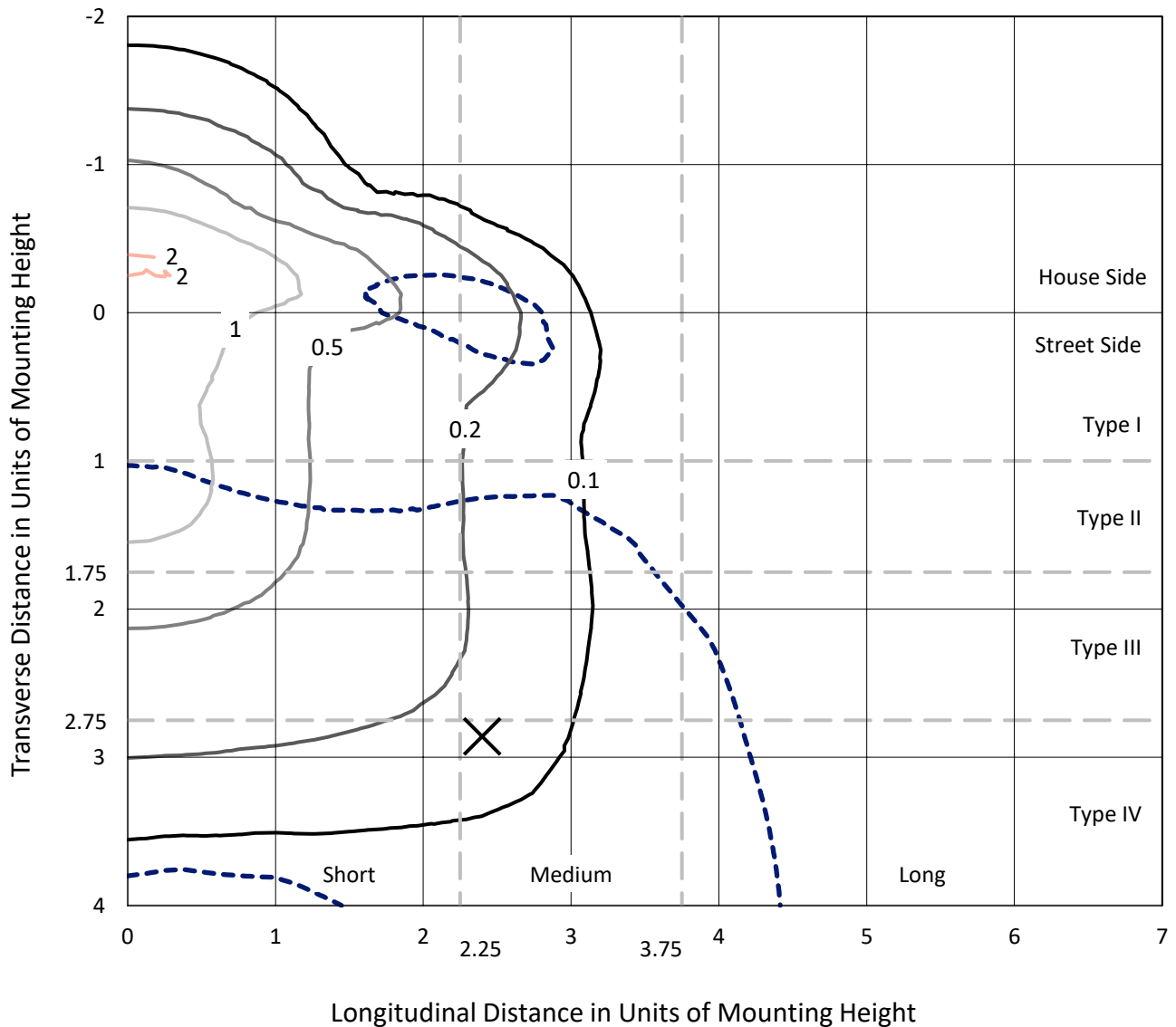
Input Watts (W): 73.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

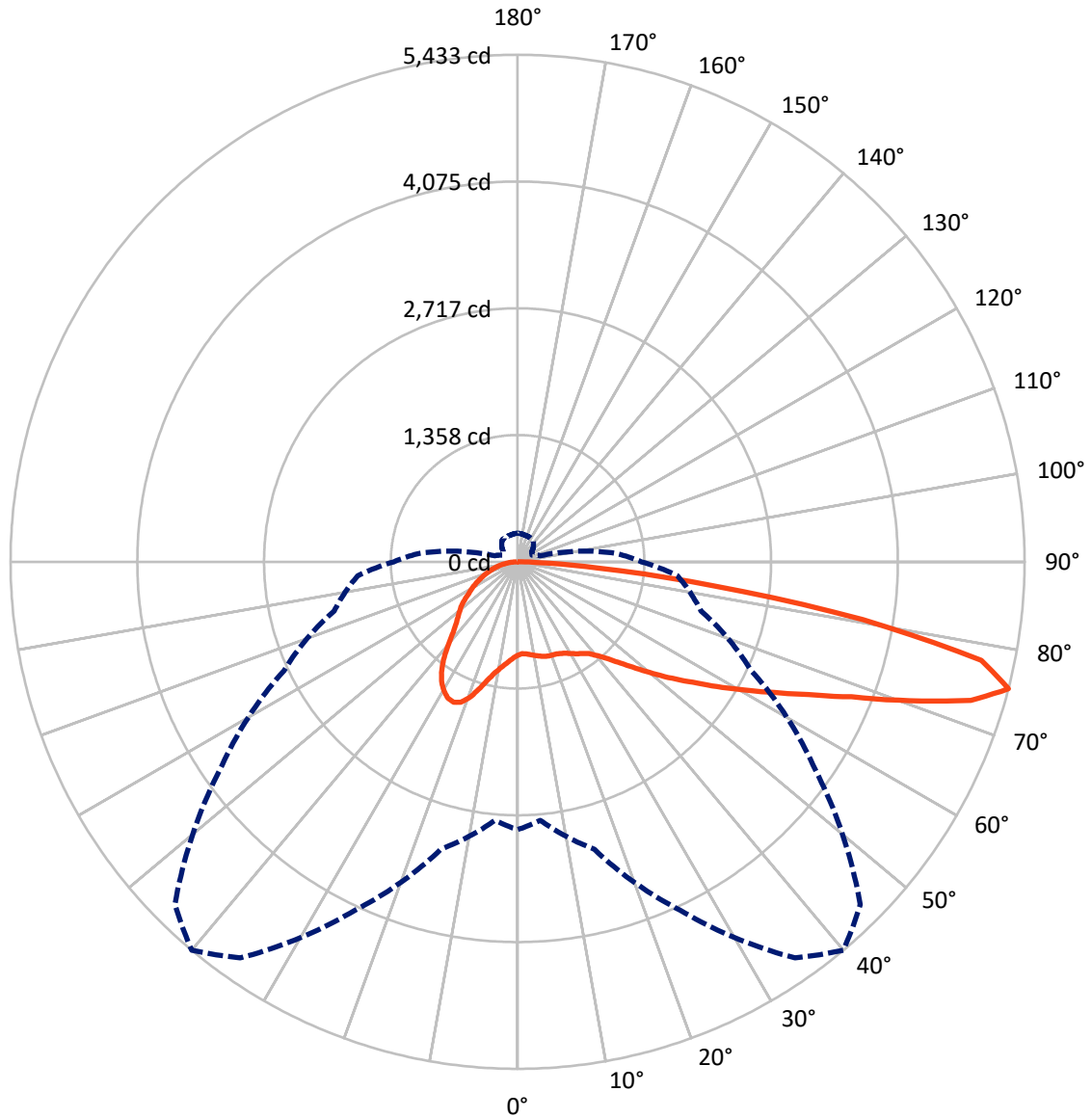
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 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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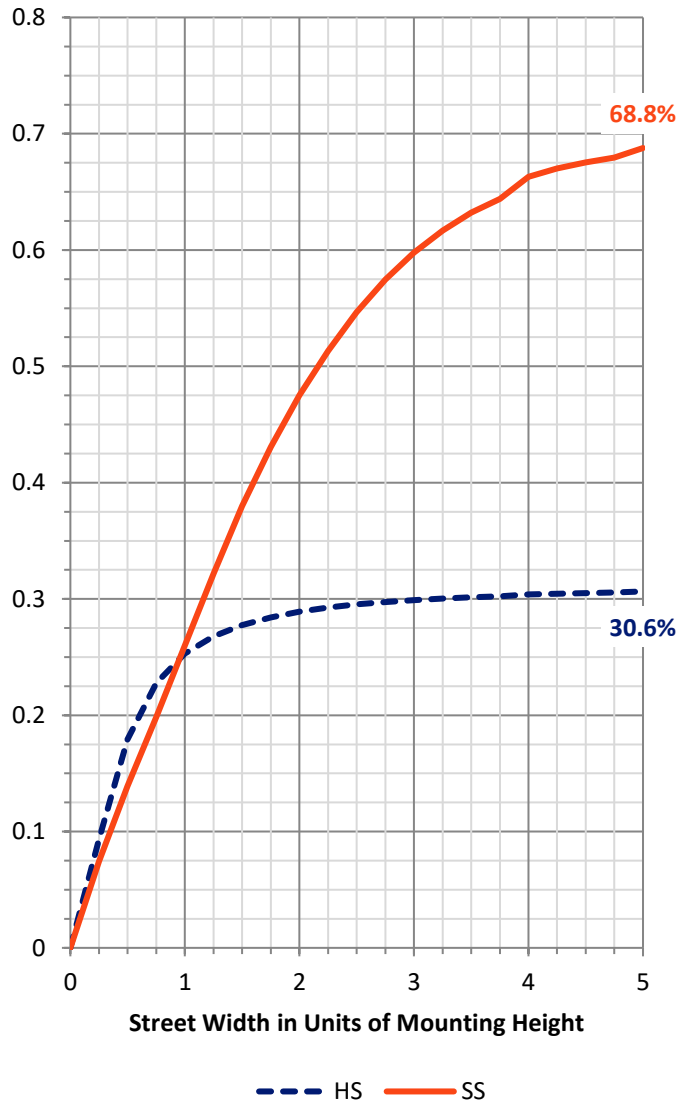
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2704.5	0.0	2704.5
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	6024.5	0.0	6024.5
	% Fixture	69.0	0.0	69.0
Total	Lumens	8729.0	0.0	8729.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.6	1.1
10°-20°	334.5	3.8
20°-30°	610.8	7.0
30°-40°	866.3	9.9
40°-50°	1169.8	13.4
50°-60°	1573.7	18.0
60°-70°	1997.3	22.9
70°-80°	1812.7	20.8
80°-90°	264.2	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°	8729.0	100.0
0°-180°	8729.0	100.0

Coefficient of Utilization

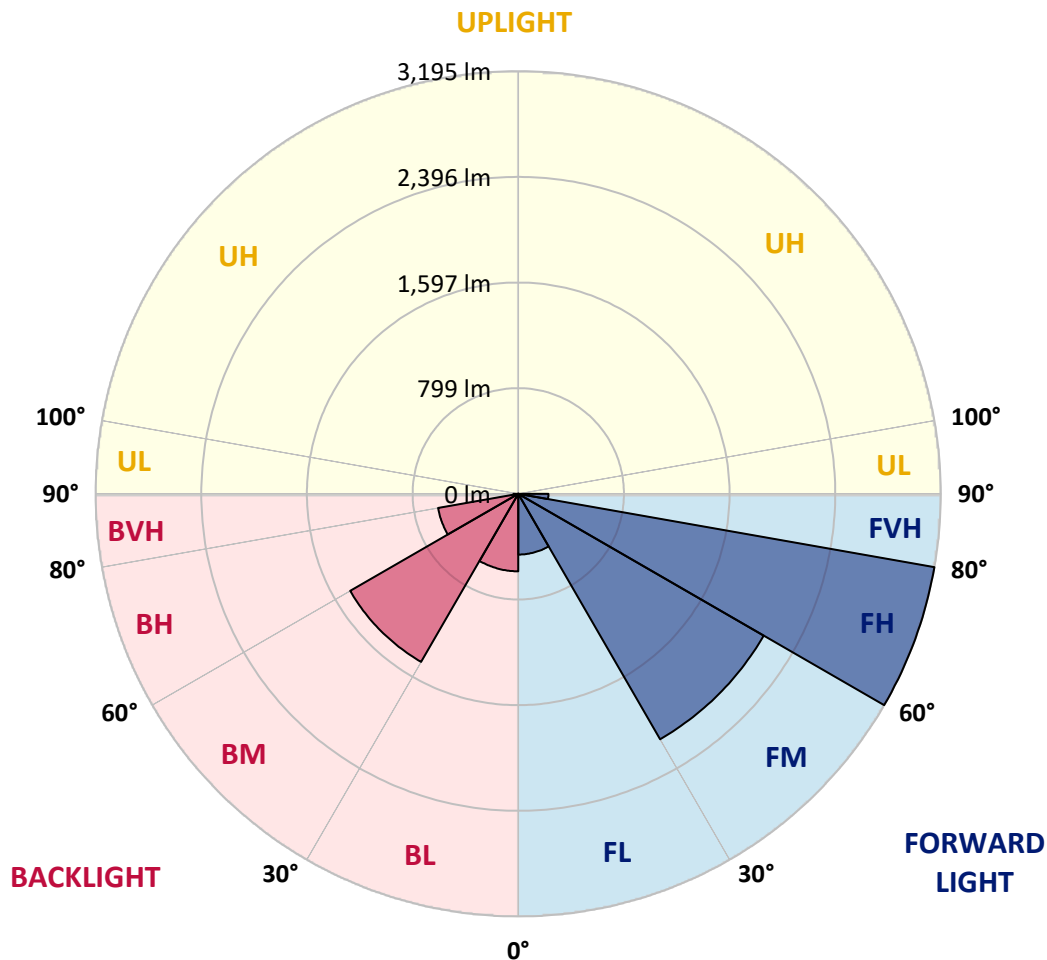


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	459.2	5.3			
FM (30°-60°)	2142.8	24.5			
FH (60°-80°)	3194.7	36.6			G2/5000
FVH (80°-90°)	227.9	2.6			G3/500
BL (0°-30°)	585.8	6.7	B2/1000		
BM (30°-60°)	1467.0	16.8	B2/2500		
BH (60°-80°)	615.4	7.0	B2/1000		G2/1000
BVH (80°-90°)	36.4	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°	998.2	998.2	998.2	998.2	998.2	998.2	998.2	998.2	998.2	998.2
2.5°	982.9	988.5	987.1	985.2	985.2	985.7	985.2	988.5	991.7	994.9
5°	993.1	998.6	995.9	993.5	991.7	991.2	989.8	989.4	991.2	995.4
7.5°	1013.0	1018.5	1014.4	1010.2	1006.5	1004.7	1002.8	1000.0	998.6	1001.0
10°	1035.2	1040.8	1035.7	1028.3	1022.2	1019.9	1018.1	1015.3	1013.5	1014.8
12.5°	1057.4	1063.0	1056.0	1045.9	1038.0	1036.6	1034.3	1033.4	1032.9	1032.4
15°	1078.3	1082.9	1074.1	1062.1	1053.7	1051.4	1049.1	1050.5	1052.8	1055.6
17.5°	1094.5	1099.1	1086.1	1070.4	1062.5	1061.6	1060.2	1064.8	1071.3	1078.3
20°	1109.3	1113.9	1097.2	1076.0	1066.7	1066.7	1067.2	1076.9	1086.1	1096.3
22.5°	1130.1	1133.8	1113.5	1084.3	1070.9	1071.8	1075.5	1085.2	1096.8	1110.7
25°	1161.1	1163.9	1138.9	1100.0	1084.7	1087.5	1090.8	1095.4	1106.5	1122.7
27.5°	1211.1	1213.5	1180.6	1127.8	1104.7	1109.3	1113.9	1110.7	1115.8	1129.7
30°	1281.5	1282.9	1241.2	1171.3	1138.5	1140.8	1141.7	1128.3	1118.5	1129.7
32.5°	1364.8	1364.4	1314.8	1224.1	1176.9	1174.6	1166.7	1140.3	1117.6	1127.3
35°	1494.0	1488.9	1425.0	1298.2	1220.4	1206.0	1187.5	1153.7	1122.2	1125.0
37.5°	1707.9	1692.2	1603.7	1419.5	1285.2	1248.6	1221.3	1175.5	1132.4	1124.1
40°	1949.1	1929.2	1832.0	1585.7	1382.4	1323.6	1279.7	1206.5	1149.1	1128.3
42.5°	2235.2	2207.0	2102.4	1781.5	1505.6	1420.4	1354.2	1245.9	1173.6	1141.7
45°	2586.6	2549.1	2401.0	2002.4	1660.7	1547.3	1458.8	1305.6	1211.1	1167.6
47.5°	2941.7	2951.0	2740.3	2255.1	1846.8	1703.7	1589.9	1395.4	1265.8	1209.3
50°	3319.1	3325.5	3077.9	2535.2	2057.9	1880.6	1737.1	1495.9	1341.7	1268.5
52.5°	3613.5	3614.4	3384.3	2828.3	2277.8	2075.1	1895.9	1610.7	1429.7	1347.3
55°	3797.8	3795.5	3599.2	3105.6	2530.6	2279.2	2071.8	1741.2	1537.1	1439.9
57.5°	3931.6	3924.6	3747.3	3344.1	2800.1	2520.4	2270.9	1889.4	1663.9	1550.0
60°	3982.5	3978.3	3847.8	3550.1	3083.4	2787.1	2500.5	2055.1	1807.9	1680.1
62.5°	4002.0	4009.8	3946.4	3749.6	3386.7	3082.5	2752.8	2253.3	1970.0	1827.4
65°	4070.5	4084.8	4071.9	4010.7	3729.3	3428.3	3087.6	2489.0	2146.8	1985.2
67.5°	4206.1	4220.5	4226.0	4323.3	4147.8	3859.4	3505.2	2782.5	2353.8	2149.1
70°	4202.9	4198.7	4296.9	4571.9	4671.9	4456.1	4068.2	3143.6	2600.5	2285.2
72.5°	3825.6	3792.2	4024.2	4569.1	5108.0	5079.3	4755.7	3609.3	2813.5	2301.9
75°	2870.0	2781.1	3190.8	4117.7	5180.7	5433.0	5192.7	3898.2	2763.0	2033.8
77.5°	1227.3	1138.0	1620.9	3048.2	4636.7	5078.8	4791.8	3401.0	2205.6	1344.9
80°	321.3	320.8	489.8	1382.0	3153.3	3750.6	3290.4	2196.4	1260.2	480.6
82.5°	132.9	129.6	180.1	537.5	1540.8	2104.7	1717.6	979.7	455.1	130.1
85°	49.5	49.1	87.5	185.7	543.5	868.1	628.3	250.5	113.4	63.4
87.5°	13.9	13.4	19.0	64.4	132.4	200.9	107.4	41.2	31.9	25.0
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°
998.2	0°	998.2	998.2	998.2	998.2	998.2	998.2	998.2	998.2	998.2	998.2
1000.0	2.5°	1001.4	1003.7	1007.9	1011.1	1015.3	1019.9	1026.4	1030.6	1034.7	1037.5
1002.3	5°	1005.6	1010.7	1021.3	1032.0	1044.5	1056.0	1069.5	1079.2	1087.1	1089.4
1010.7	7.5°	1014.8	1023.2	1041.2	1059.3	1079.2	1098.2	1117.6	1134.3	1147.7	1152.8
1025.5	10°	1031.0	1042.2	1067.6	1093.1	1119.5	1148.6	1173.6	1197.7	1216.7	1224.6
1043.1	12.5°	1051.4	1065.3	1098.6	1133.8	1170.4	1210.7	1243.1	1272.7	1296.3	1307.0
1067.6	15°	1077.8	1095.9	1138.5	1185.7	1239.4	1295.4	1336.6	1369.5	1395.9	1408.8
1093.1	17.5°	1106.5	1130.6	1184.3	1255.6	1332.4	1406.1	1454.2	1478.3	1505.6	1518.1
1116.7	20°	1134.3	1163.9	1240.8	1344.5	1446.8	1525.0	1563.9	1570.4	1572.3	1573.6
1138.9	22.5°	1163.0	1202.8	1311.6	1456.5	1566.2	1620.4	1626.0	1598.2	1559.3	1541.2
1160.7	25°	1194.5	1247.3	1404.2	1580.1	1669.0	1675.5	1632.9	1565.3	1491.7	1457.9
1178.3	27.5°	1225.0	1298.6	1515.3	1698.2	1743.1	1686.2	1594.5	1498.6	1409.8	1374.1
1190.8	30°	1255.6	1357.4	1638.0	1801.4	1776.9	1659.8	1533.8	1426.9	1337.5	1300.0
1201.9	32.5°	1286.6	1426.0	1779.2	1876.0	1770.9	1603.7	1458.4	1346.3	1267.6	1228.3
1211.6	35°	1321.8	1510.2	1913.0	1916.7	1730.6	1521.3	1358.8	1250.0	1181.5	1150.0
1223.2	37.5°	1367.6	1617.2	2031.1	1926.9	1660.2	1400.5	1235.2	1136.1	1079.7	1065.3
1240.3	40°	1424.6	1745.9	2121.3	1910.7	1556.1	1253.7	1100.0	1020.9	988.9	992.2
1263.5	42.5°	1498.6	1889.9	2184.8	1869.0	1411.1	1102.3	981.5	946.3	961.6	974.6
1298.2	45°	1594.9	2039.4	2224.1	1798.2	1247.3	974.1	911.6	919.9	931.5	932.9
1354.2	47.5°	1718.1	2190.8	2250.1	1691.2	1080.1	883.8	867.2	869.0	866.7	857.0
1438.0	50°	1871.8	2338.0	2273.2	1549.6	938.0	827.3	805.1	798.6	766.7	735.2
1549.6	52.5°	2046.8	2473.2	2282.9	1373.6	827.3	780.1	744.0	703.3	643.5	633.8
1689.9	55°	2241.3	2598.2	2257.9	1157.4	734.3	719.5	664.8	615.8	609.3	600.9
1874.6	57.5°	2473.7	2732.9	2207.0	916.2	638.9	648.6	595.4	600.9	589.4	576.4
2112.1	60°	2727.8	2872.3	2117.6	696.3	540.3	560.2	577.3	576.9	573.6	563.0
2362.6	62.5°	2956.6	2964.0	1941.7	533.3	453.7	491.7	538.4	538.0	535.2	529.2
2624.1	65°	3092.7	2950.1	1648.2	419.9	382.4	435.2	485.7	489.4	489.8	489.4
2820.9	67.5°	3068.6	2787.6	1245.4	334.3	323.6	377.8	433.3	438.4	442.1	443.1
2845.9	70°	2796.4	2430.6	812.1	266.7	271.3	327.3	383.8	388.9	392.1	395.8
2469.5	72.5°	2179.7	1787.1	464.8	215.7	225.5	283.8	334.7	340.7	342.6	349.5
1718.6	75°	1328.3	1051.0	250.9	169.9	185.2	242.6	286.1	293.1	296.3	304.6
844.0	77.5°	631.5	455.1	143.1	132.4	149.1	198.2	241.7	249.5	240.7	245.4
232.9	80°	213.4	169.0	90.3	100.9	113.9	154.6	193.5	201.4	182.9	181.9
77.3	82.5°	74.5	68.5	57.4	67.1	73.6	110.7	146.3	156.5	136.1	135.7
34.7	85°	29.2	27.8	31.9	36.6	44.0	68.1	96.3	101.4	83.8	67.6
10.2	87.5°	6.0	6.5	7.9	8.3	13.4	23.6	34.7	42.6	33.8	28.7
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

<u>180°</u>
998.2
1035.7
1090.3
1153.3
1225.0
1307.0
1407.9
1517.6
1577.4
1546.3
1463.0
1378.3
1304.2
1233.4
1157.0
1075.5
1003.3
986.6
942.2
864.4
739.4
637.1
602.3
574.1
559.3
526.9
489.4
444.0
397.7
352.3
305.6
241.7
180.1
129.2
66.7
26.4
0.0

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