

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: P846203

Luminaire Tested: **GLAN-SB1D-722-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846203  
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-SB1D-722-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 70 CRI, 2200K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV SPILL LIGHT  
ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7891 lumens  
Efficiency: N/A  
Efficacy: 99.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B2 - U0 - G2

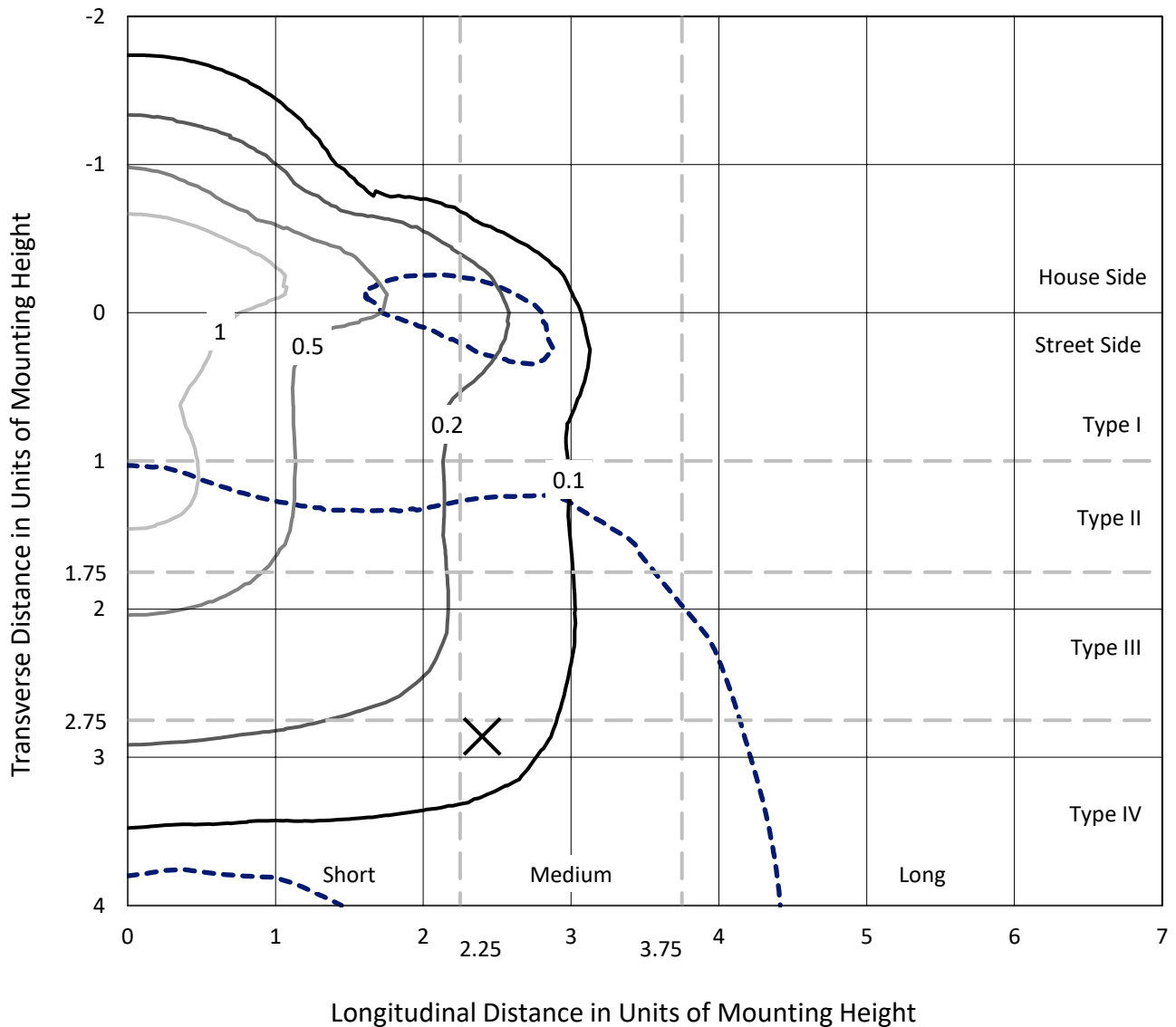
Input Watts (W): 79.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

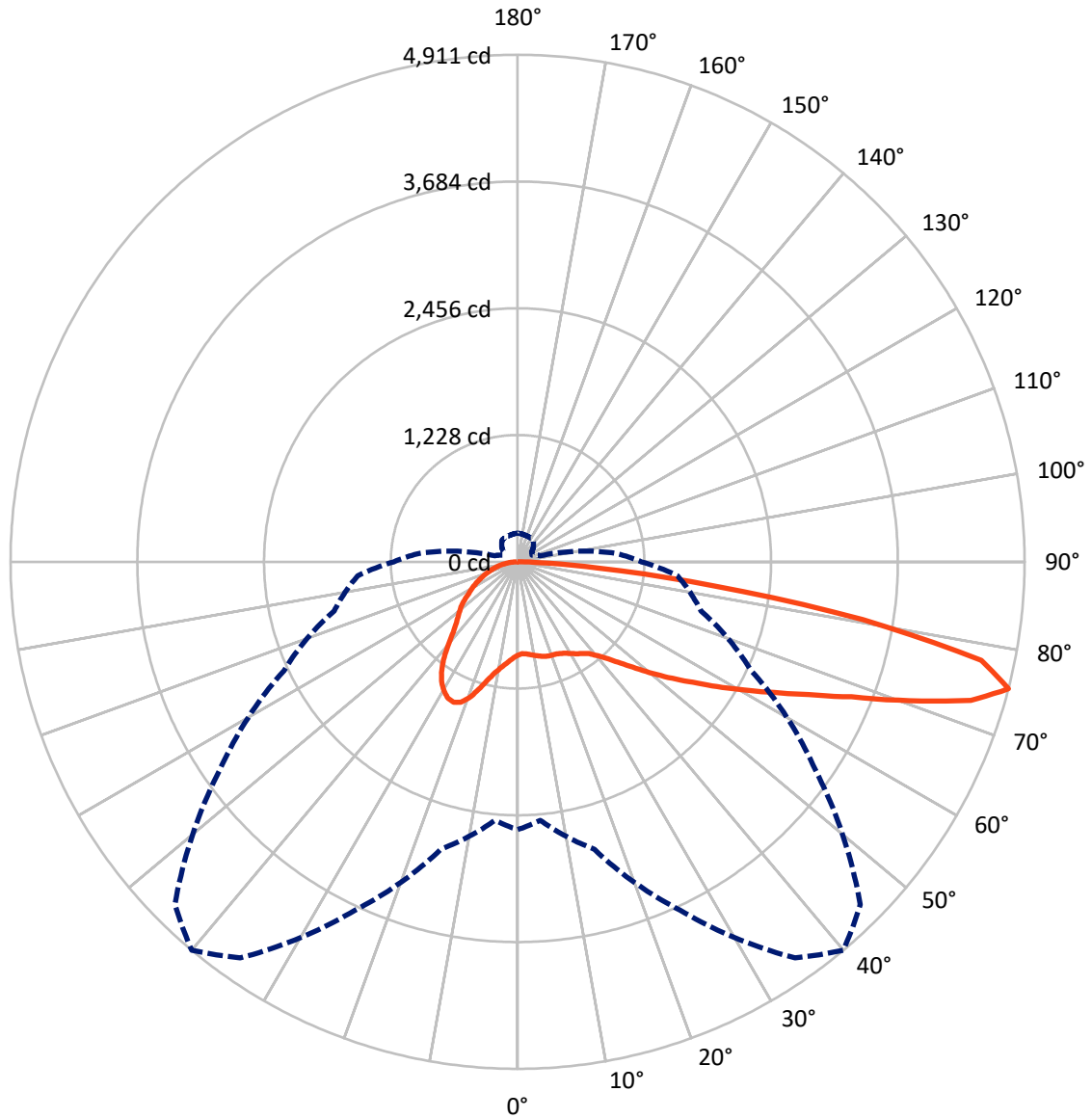
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 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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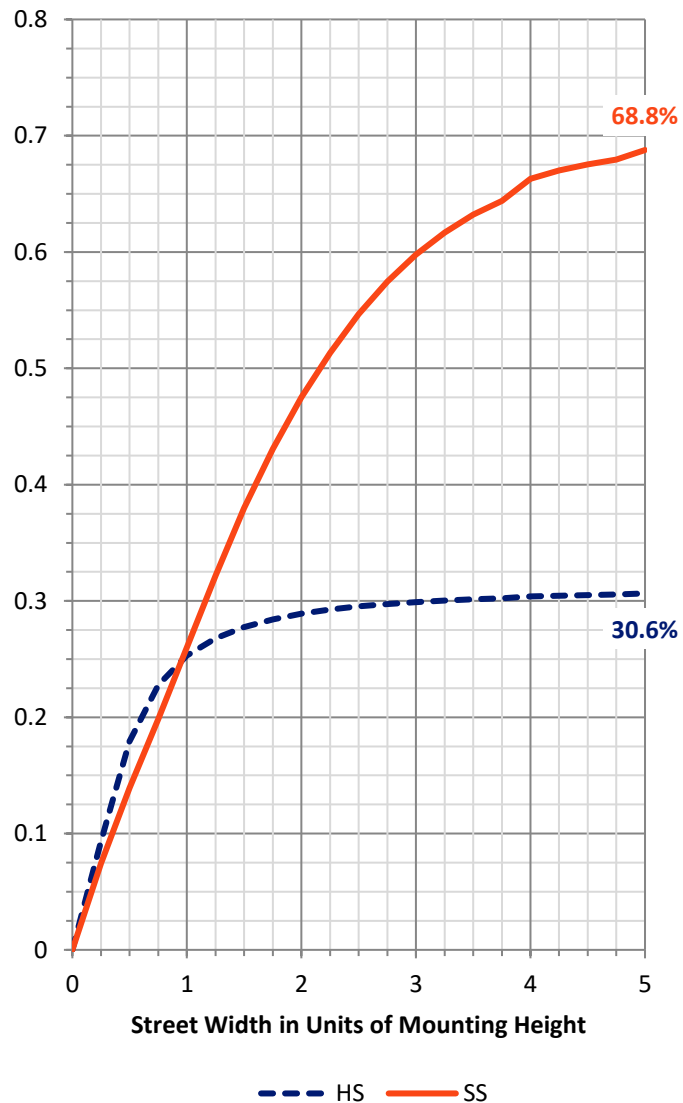
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2444.9	0.0	2444.9
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	5446.1	0.0	5446.1
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	7891.0	0.0	7891.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	90.1	1.1
10°-20°	302.4	3.8
20°-30°	552.2	7.0
30°-40°	783.1	9.9
40°-50°	1057.5	13.4
50°-60°	1422.6	18.0
60°-70°	1805.6	22.9
70°-80°	1638.7	20.8
80°-90°	238.9	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°	7891.0	100.0
0°-180°	7891.0	100.0

**Coefficient of Utilization**

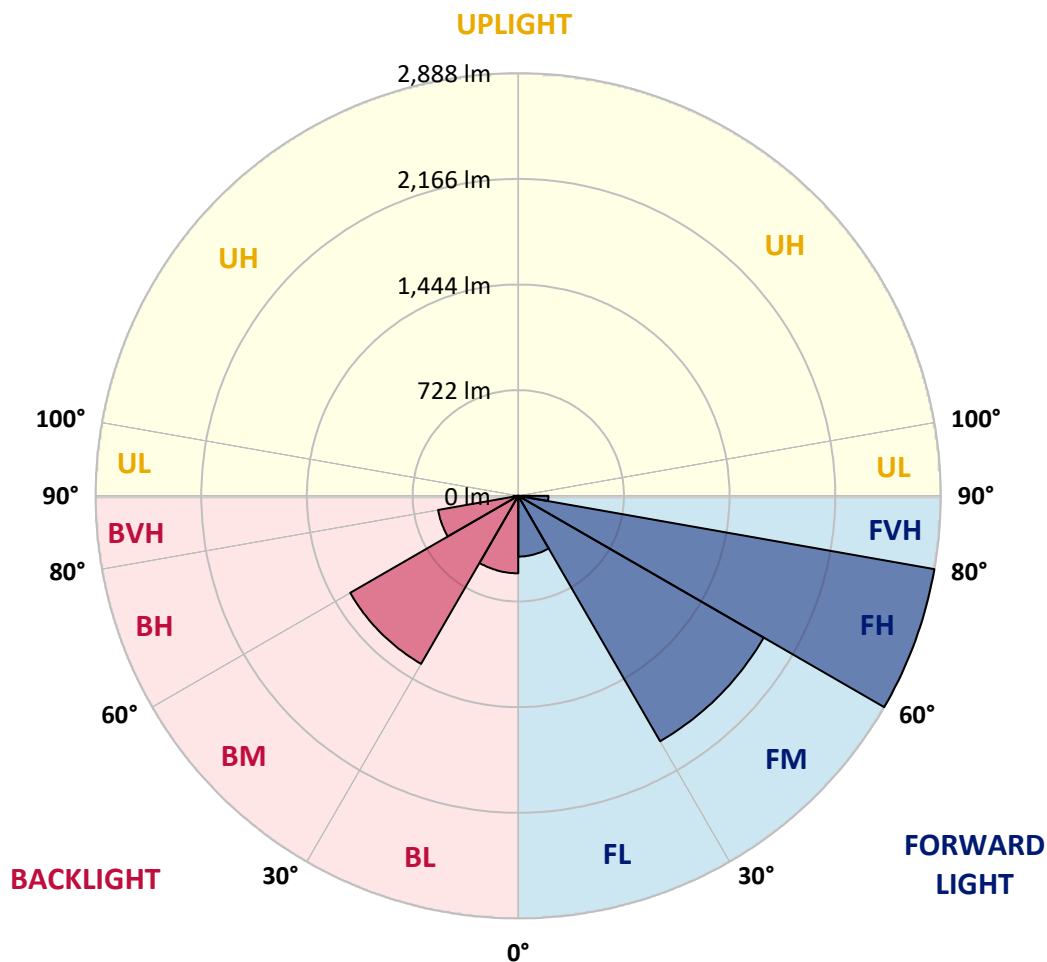


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	415.1	5.3			
FM (30°-60°)	1937.1	24.5			
FH (60°-80°)	2888.0	36.6			G2/5000
FVH (80°-90°)	206.0	2.6			G2/225
BL (0°-30°)	529.6	6.7	B2/1000		
BM (30°-60°)	1326.1	16.8	B2/2500		
BH (60°-80°)	556.3	7.0	B2/1000		G2/1000
BVH (80°-90°)	32.9	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-G2**  
 Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	902.3	902.3	902.3	902.3	902.3	902.3	902.3	902.3	902.3	902.3
2.5°	888.5	893.6	892.3	890.6	890.6	891.0	890.6	893.6	896.5	899.4
5°	897.7	902.8	900.3	898.2	896.5	896.1	894.8	894.4	896.1	899.8
7.5°	915.7	920.8	917.0	913.2	909.9	908.2	906.5	904.0	902.8	904.9
10°	935.8	940.9	936.2	929.6	924.1	922.0	920.3	917.8	916.2	917.4
12.5°	955.9	960.9	954.7	945.5	938.3	937.1	935.0	934.2	933.7	933.3
15°	974.8	978.9	971.0	960.1	952.6	950.5	948.4	949.6	951.7	954.2
17.5°	989.4	993.6	981.9	967.6	960.5	959.7	958.4	962.6	968.5	974.8
20°	1002.8	1007.0	991.9	972.7	964.3	964.3	964.7	973.5	981.9	991.1
22.5°	1021.6	1025.0	1006.6	980.2	968.1	968.9	972.2	981.0	991.5	1004.0
25°	1049.7	1052.2	1029.6	994.4	980.6	983.1	986.1	990.2	1000.3	1014.9
27.5°	1094.9	1097.0	1067.2	1019.5	998.6	1002.8	1007.0	1004.0	1008.7	1021.2
30°	1158.5	1159.7	1122.1	1058.9	1029.2	1031.3	1032.1	1020.0	1011.2	1021.2
32.5°	1233.8	1233.4	1188.6	1106.6	1063.9	1061.8	1054.7	1030.8	1010.3	1019.1
35°	1350.6	1346.0	1288.2	1173.6	1103.2	1090.3	1073.5	1043.0	1014.5	1017.0
37.5°	1543.9	1529.7	1449.8	1283.2	1161.8	1128.8	1104.1	1062.6	1023.7	1016.2
40°	1762.0	1744.0	1656.1	1433.5	1249.7	1196.6	1156.8	1090.7	1038.8	1020.0
42.5°	2020.7	1995.1	1900.5	1610.5	1361.1	1284.0	1224.2	1126.3	1061.0	1032.1
45°	2338.3	2304.4	2170.5	1810.1	1501.3	1398.7	1318.8	1180.2	1094.9	1055.5
47.5°	2659.3	2667.7	2477.3	2038.6	1669.5	1540.2	1437.2	1261.4	1144.3	1093.2
50°	3000.4	3006.3	2782.4	2291.9	1860.4	1700.1	1570.3	1352.3	1212.9	1146.8
52.5°	3266.6	3267.4	3059.4	2556.8	2059.2	1875.8	1713.9	1456.1	1292.4	1217.9
55°	3433.2	3431.1	3253.6	2807.5	2287.7	2060.4	1872.9	1574.1	1389.5	1301.6
57.5°	3554.1	3547.9	3387.6	3023.0	2531.3	2278.5	2052.9	1708.0	1504.2	1401.2
60°	3600.2	3596.4	3478.4	3209.3	2787.4	2519.5	2260.5	1857.8	1634.4	1518.8
62.5°	3617.8	3624.9	3567.5	3389.7	3061.5	2786.6	2488.6	2037.0	1780.8	1651.9
65°	3679.7	3692.7	3681.0	3625.7	3371.2	3099.2	2791.2	2250.0	1940.7	1794.6
67.5°	3802.3	3815.3	3820.3	3908.2	3749.6	3488.8	3168.7	2515.4	2127.8	1942.8
70°	3799.4	3795.6	3884.4	4133.0	4223.4	4028.3	3677.6	2841.8	2350.9	2065.9
72.5°	3458.3	3428.2	3637.8	4130.5	4617.6	4591.7	4299.1	3262.8	2543.4	2080.9
75°	2594.5	2514.1	2884.5	3722.4	4683.3	4911.4	4694.2	3524.0	2497.8	1838.6
77.5°	1109.5	1028.7	1465.3	2755.6	4191.6	4591.3	4331.8	3074.5	1993.9	1215.8
80°	290.5	290.0	442.8	1249.3	2850.6	3390.5	2974.5	1985.5	1139.2	434.4
82.5°	120.1	117.2	162.8	485.9	1392.9	1902.6	1552.7	885.6	411.4	117.6
85°	44.8	44.4	79.1	167.8	491.4	784.7	567.9	226.4	102.5	57.3
87.5°	12.6	12.1	17.2	58.2	119.7	181.6	97.1	37.2	28.9	22.6
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°
902.3	0°	902.3	902.3	902.3	902.3	902.3	902.3	902.3	902.3	902.3	902.3
904.0	2.5°	905.3	907.4	911.1	914.1	917.8	922.0	927.9	931.6	935.4	937.9
906.1	5°	909.0	913.6	923.3	932.9	944.2	954.7	966.8	975.6	982.7	984.8
913.6	7.5°	917.4	924.9	941.3	957.6	975.6	992.7	1010.3	1025.4	1037.5	1042.1
927.0	10°	932.1	942.1	965.1	988.1	1012.0	1038.4	1061.0	1082.7	1099.9	1107.0
942.9	12.5°	950.5	963.0	993.2	1025.0	1058.0	1094.5	1123.7	1150.5	1171.9	1181.5
965.1	15°	974.3	990.7	1029.2	1071.9	1120.4	1171.0	1208.3	1238.0	1261.9	1273.6
988.1	17.5°	1000.3	1022.0	1070.6	1135.0	1204.5	1271.1	1314.6	1336.4	1361.1	1372.4
1009.5	20°	1025.4	1052.2	1121.7	1215.4	1307.9	1378.6	1413.8	1419.6	1421.3	1422.6
1029.6	22.5°	1051.3	1087.3	1185.7	1316.7	1415.9	1464.8	1469.9	1444.8	1409.6	1393.3
1049.2	25°	1079.8	1127.5	1269.4	1428.4	1508.8	1514.7	1476.1	1415.0	1348.5	1317.9
1065.2	27.5°	1107.4	1174.0	1369.8	1535.2	1575.8	1524.3	1441.4	1354.8	1274.4	1242.2
1076.5	30°	1135.0	1227.1	1480.8	1628.5	1606.3	1500.4	1386.6	1289.9	1209.1	1175.2
1086.5	32.5°	1163.1	1289.1	1608.4	1695.9	1600.9	1449.8	1318.4	1217.1	1145.9	1110.4
1095.3	35°	1194.9	1365.2	1729.4	1732.7	1564.5	1375.3	1228.4	1130.0	1068.1	1039.6
1105.8	37.5°	1236.3	1461.9	1836.1	1741.9	1500.8	1266.0	1116.6	1027.1	976.0	963.0
1121.2	40°	1287.8	1578.3	1917.7	1727.3	1406.7	1133.4	994.4	922.9	894.0	896.9
1142.2	42.5°	1354.8	1708.4	1975.0	1689.6	1275.7	996.5	887.3	855.5	869.3	881.0
1173.6	45°	1441.8	1843.6	2010.6	1625.6	1127.5	880.6	824.1	831.6	842.1	843.3
1224.2	47.5°	1553.2	1980.5	2034.0	1528.9	976.4	799.0	783.9	785.6	783.5	774.7
1299.9	50°	1692.1	2113.6	2055.0	1400.8	847.9	747.9	727.8	722.0	693.1	664.6
1400.8	52.5°	1850.3	2235.8	2063.8	1241.8	747.9	705.2	672.6	635.7	581.8	573.0
1527.6	55°	2026.1	2348.8	2041.2	1046.3	663.8	650.4	601.0	556.6	550.8	543.2
1694.6	57.5°	2236.2	2470.6	1995.1	828.3	577.6	586.4	538.2	543.2	532.8	521.1
1909.3	60°	2466.0	2596.5	1914.3	629.5	488.4	506.4	521.9	521.5	518.6	508.9
2135.7	62.5°	2672.7	2679.4	1755.3	482.1	410.2	444.5	486.7	486.3	483.8	478.4
2372.2	65°	2795.8	2666.9	1490.0	379.6	345.7	393.4	439.0	442.4	442.8	442.4
2550.1	67.5°	2774.0	2520.0	1125.8	302.2	292.6	341.5	391.7	396.3	399.7	400.5
2572.7	70°	2527.9	2197.3	734.1	241.1	245.3	295.9	347.0	351.6	354.5	357.8
2232.4	72.5°	1970.4	1615.5	420.2	195.0	203.8	256.6	302.6	308.0	309.7	316.0
1553.6	75°	1200.8	950.1	226.8	153.6	167.4	219.3	258.7	264.9	267.9	275.4
763.0	77.5°	570.9	411.4	129.3	119.7	134.8	179.1	218.5	225.6	217.6	221.8
210.5	80°	192.9	152.8	81.6	91.2	103.0	139.8	174.9	182.1	165.3	164.5
69.9	82.5°	67.4	61.9	51.9	60.7	66.5	100.0	132.3	141.5	123.0	122.6
31.4	85°	26.4	25.1	28.9	33.1	39.8	61.5	87.1	91.7	75.8	61.1
9.2	87.5°	5.4	5.9	7.1	7.5	12.1	21.3	31.4	38.5	30.6	25.9
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°
902.3
936.2
985.6
1042.6
1107.4
1181.5
1272.7
1371.9
1425.9
1397.9
1322.5
1246.0
1179.0
1115.0
1045.9
972.2
907.0
891.9
851.7
781.4
668.4
575.9
544.5
519.0
505.6
476.3
442.4
401.4
359.5
318.5
276.2
218.5
162.8
116.8
60.3
23.9
0.0

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