

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: P846323

Luminaire Tested: **GLAN-SB1D-927-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846323  
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-927-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 90 CRI, 2700K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV SPILL LIGHT  
ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6498 lumens  
Efficiency: N/A  
Efficacy: 81.6 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

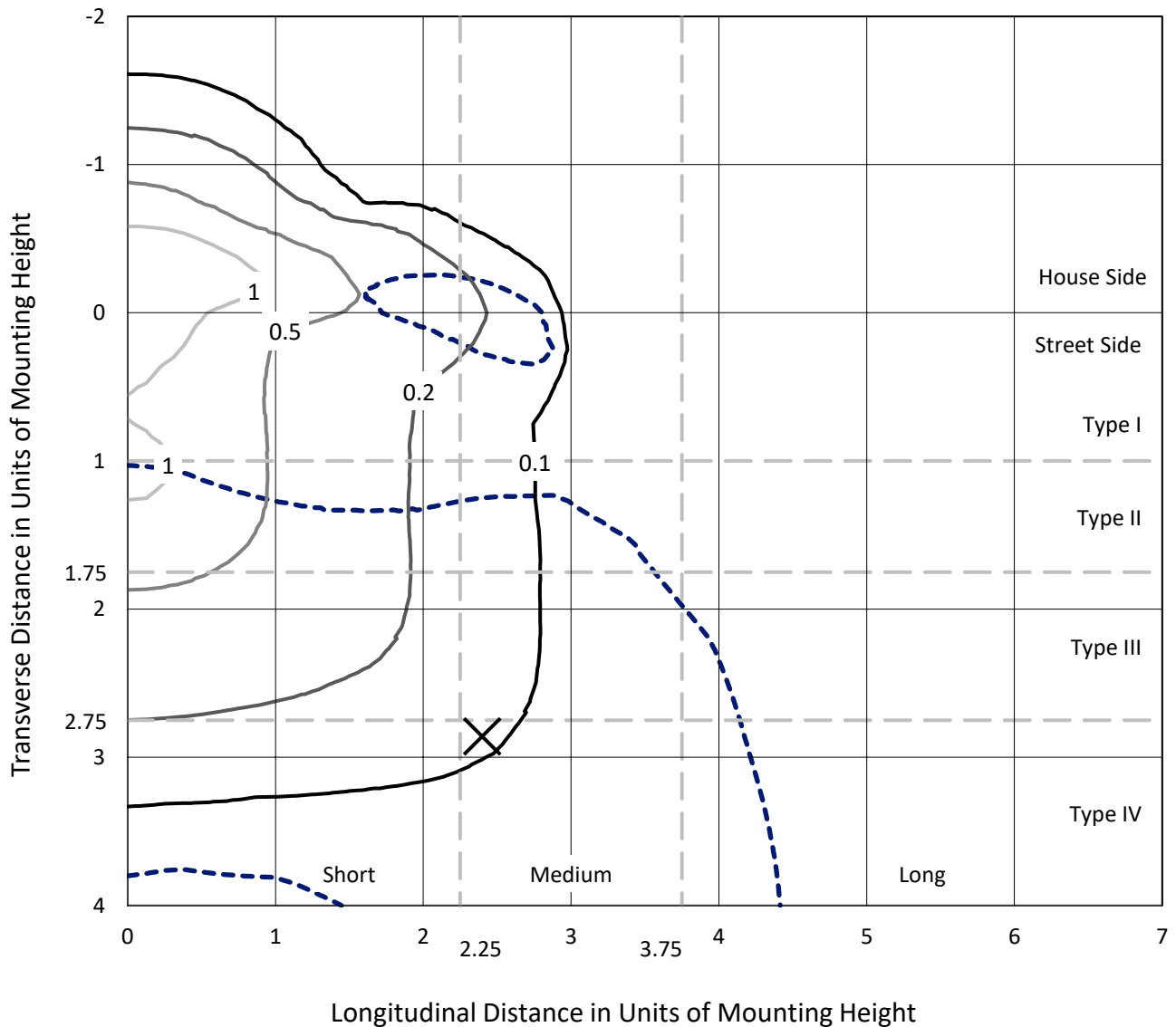
Input Watts (W): 79.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

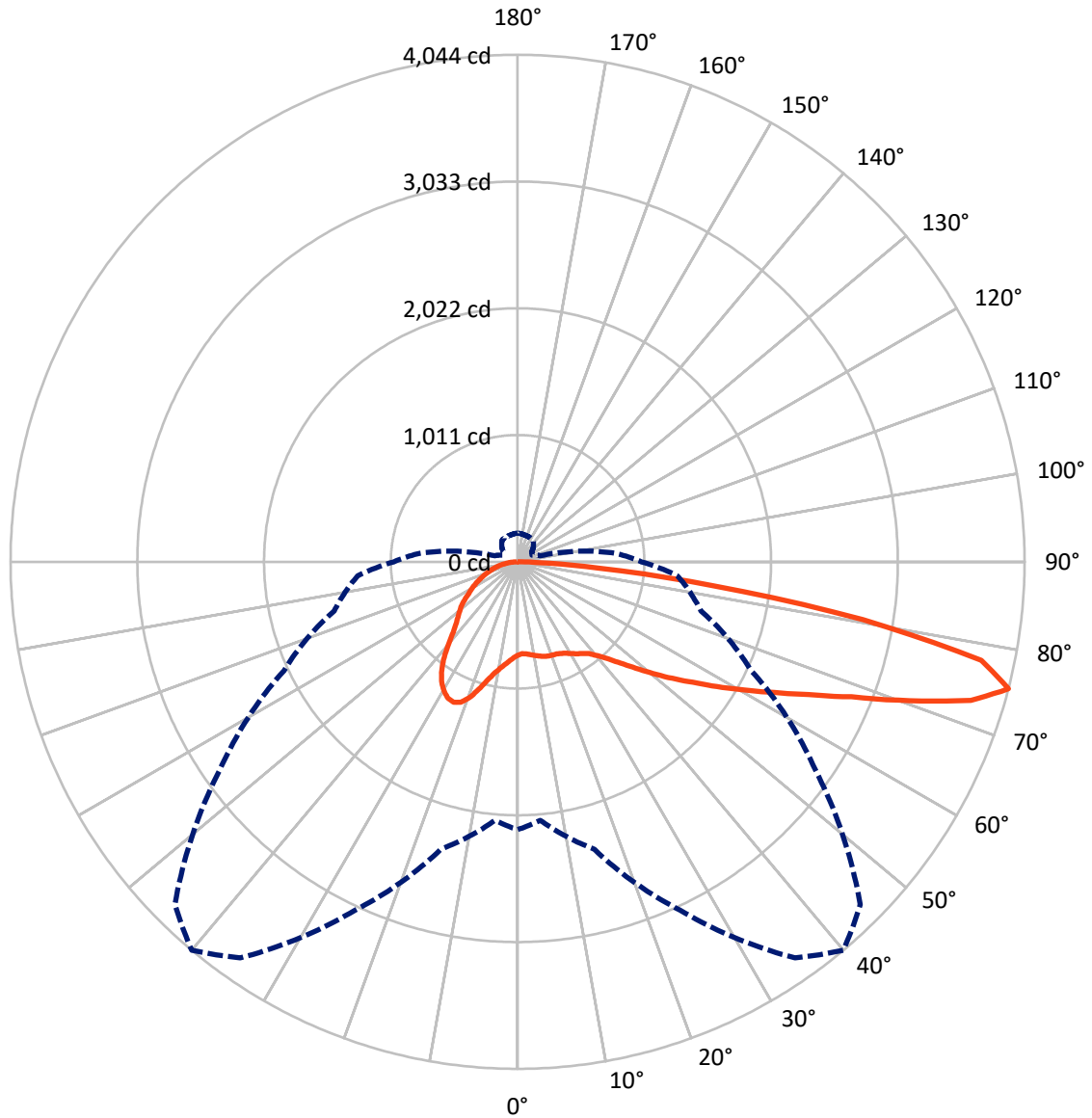
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 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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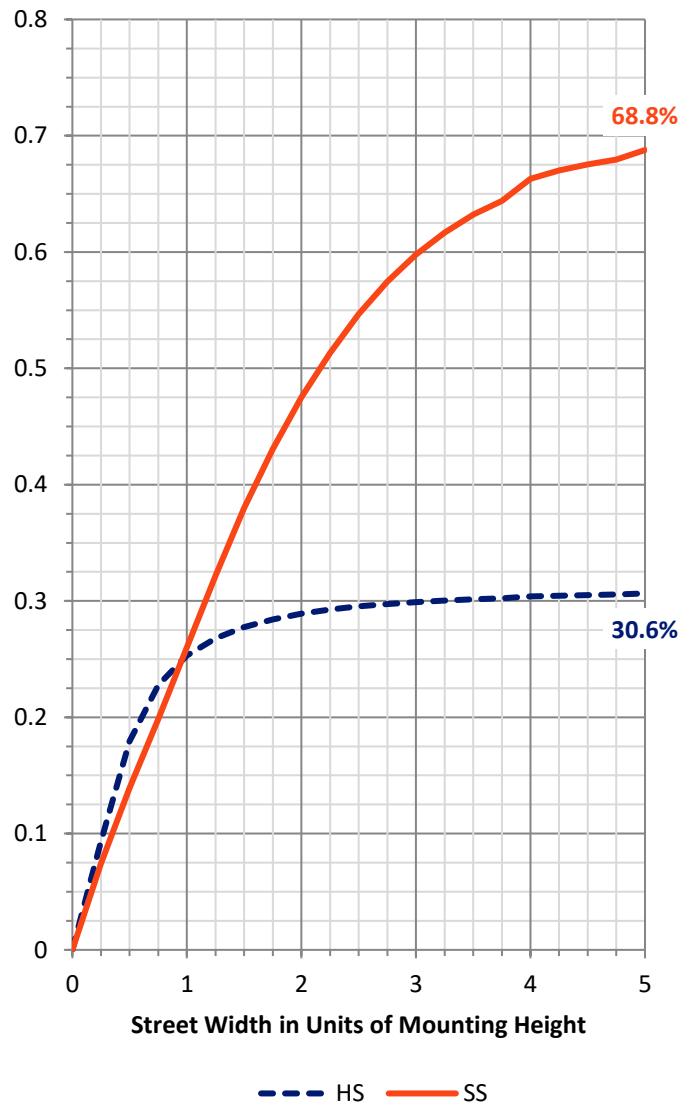
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2013.3	0.0	2013.3
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	4484.7	0.0	4484.7
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	6498.0	0.0	6498.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	74.2	1.1
10°-20°	249.0	3.8
20°-30°	454.7	7.0
30°-40°	644.9	9.9
40°-50°	870.8	13.4
50°-60°	1171.5	18.0
60°-70°	1486.8	22.9
70°-80°	1349.4	20.8
80°-90°	196.7	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°	6498.0	100.0
0°-180°	6498.0	100.0

**Coefficient of Utilization**

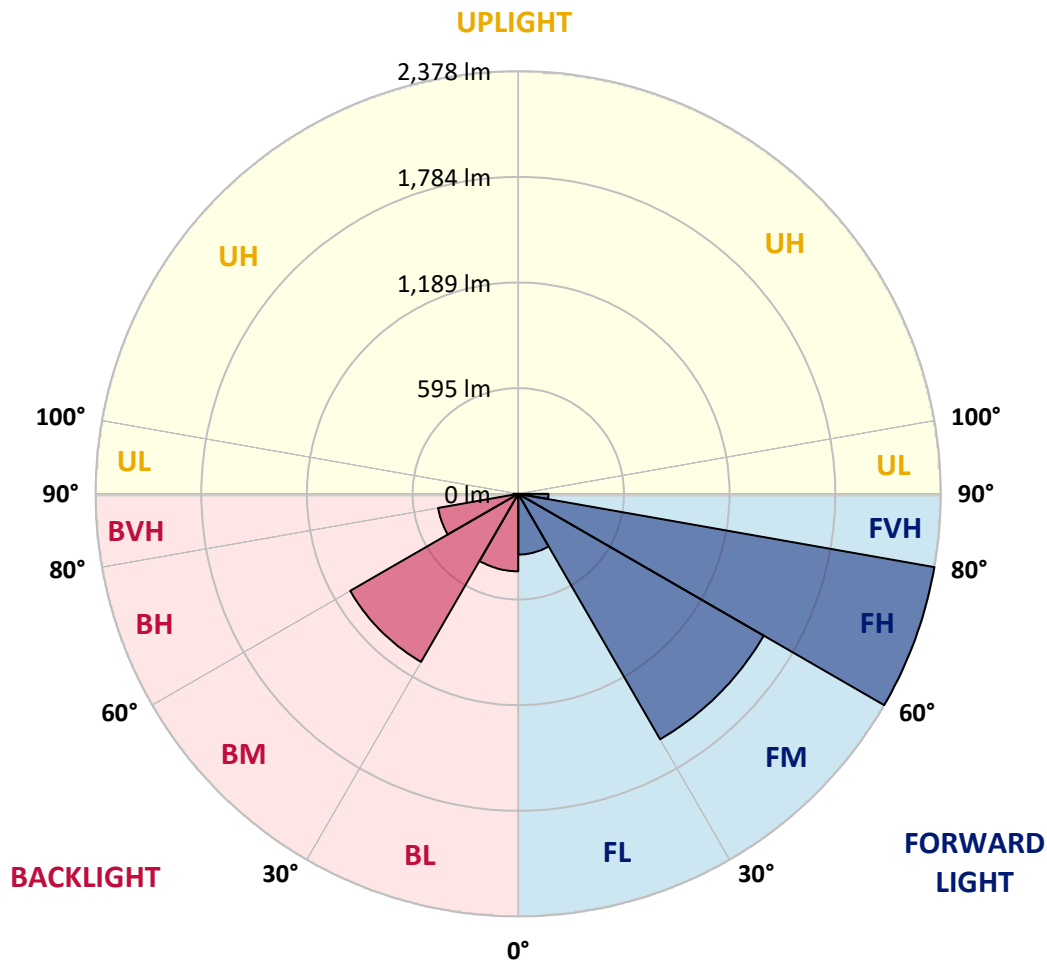


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	341.8	5.3			
FM (30°-60°)	1595.1	24.5			
FH (60°-80°)	2378.2	36.6			G2/5000
FVH (80°-90°)	169.6	2.6			G2/225
BL (0°-30°)	436.1	6.7	B1/500		
BM (30°-60°)	1092.0	16.8	B2/2500		
BH (60°-80°)	458.1	7.0	B1/500		G1/500
BVH (80°-90°)	27.1	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°	743.1	743.1	743.1	743.1	743.1	743.1	743.1	743.1	743.1	743.1
2.5°	731.7	735.8	734.8	733.4	733.4	733.7	733.4	735.8	738.2	740.6
5°	739.3	743.4	741.3	739.6	738.2	737.9	736.9	736.5	737.9	741.0
7.5°	754.1	758.2	755.1	752.0	749.3	747.9	746.5	744.4	743.4	745.1
10°	770.6	774.8	771.0	765.5	761.0	759.3	757.9	755.8	754.4	755.5
12.5°	787.2	791.3	786.1	778.6	772.7	771.7	769.9	769.2	768.9	768.6
15°	802.7	806.1	799.6	790.6	784.4	782.7	781.0	782.0	783.7	785.8
17.5°	814.7	818.2	808.5	796.8	791.0	790.3	789.2	792.7	797.5	802.7
20°	825.8	829.2	816.8	801.0	794.1	794.1	794.4	801.6	808.5	816.1
22.5°	841.3	844.0	828.9	807.2	797.2	797.9	800.6	807.8	816.5	826.8
25°	864.4	866.4	847.8	818.9	807.5	809.6	812.0	815.4	823.7	835.8
27.5°	901.6	903.3	878.8	839.6	822.3	825.8	829.2	826.8	830.6	840.9
30°	954.0	955.0	924.0	872.0	847.5	849.2	849.9	839.9	832.7	840.9
32.5°	1016.0	1015.7	978.8	911.2	876.1	874.4	868.5	848.9	832.0	839.2
35°	1112.2	1108.4	1060.8	966.4	908.5	897.8	884.0	858.9	835.4	837.5
37.5°	1271.4	1259.7	1193.9	1056.7	956.7	929.5	909.2	875.1	843.0	836.8
40°	1451.0	1436.1	1363.8	1180.4	1029.1	985.3	952.6	898.1	855.4	839.9
42.5°	1663.9	1642.9	1565.0	1326.2	1120.8	1057.4	1008.1	927.4	873.7	849.9
45°	1925.5	1897.6	1787.3	1490.6	1236.2	1151.8	1086.0	971.9	901.6	869.2
47.5°	2189.9	2196.8	2040.0	1678.8	1374.8	1268.3	1183.5	1038.8	942.3	900.2
50°	2470.8	2475.6	2291.2	1887.3	1531.9	1399.9	1293.1	1113.5	998.8	944.3
52.5°	2690.0	2690.6	2519.4	2105.4	1695.7	1544.7	1411.3	1199.0	1064.3	1002.9
55°	2827.1	2825.4	2679.3	2311.9	1883.8	1696.7	1542.3	1296.2	1144.2	1071.8
57.5°	2926.7	2921.6	2789.6	2489.4	2084.4	1876.2	1690.5	1406.5	1238.7	1153.9
60°	2964.6	2961.5	2864.3	2642.7	2295.3	2074.8	1861.4	1529.9	1345.8	1250.7
62.5°	2979.1	2985.0	2937.8	2791.3	2521.1	2294.6	2049.3	1677.4	1466.5	1360.3
65°	3030.1	3040.8	3031.2	2985.7	2776.1	2552.1	2298.4	1852.8	1598.1	1477.8
67.5°	3131.1	3141.8	3145.9	3218.3	3087.7	2873.0	2609.3	2071.3	1752.2	1599.8
70°	3128.7	3125.6	3198.7	3403.4	3477.8	3317.2	3028.4	2340.1	1935.9	1701.2
72.5°	2847.8	2823.0	2995.7	3401.3	3802.5	3781.1	3540.2	2686.9	2094.4	1713.6
75°	2136.5	2070.3	2375.3	3065.3	3856.6	4044.4	3865.5	2901.9	2056.8	1514.0
77.5°	913.7	847.1	1206.6	2269.1	3451.6	3780.8	3567.1	2531.8	1641.9	1001.2
80°	239.2	238.8	364.6	1028.8	2347.4	2792.0	2449.4	1635.0	938.1	357.7
82.5°	98.9	96.5	134.1	400.1	1147.0	1566.8	1278.6	729.3	338.8	96.8
85°	36.9	36.5	65.1	138.2	404.6	646.2	467.7	186.5	84.4	47.2
87.5°	10.3	10.0	14.1	47.9	98.6	149.6	80.0	30.7	23.8	18.6
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°
743.1	0°	743.1	743.1	743.1	743.1	743.1	743.1	743.1	743.1	743.1	743.1
744.4	2.5°	745.5	747.2	750.3	752.7	755.8	759.3	764.1	767.2	770.3	772.3
746.2	5°	748.6	752.4	760.3	768.2	777.5	786.1	796.1	803.4	809.2	811.0
752.4	7.5°	755.5	761.7	775.1	788.5	803.4	817.5	832.0	844.4	854.4	858.2
763.4	10°	767.5	775.8	794.8	813.7	833.4	855.1	873.7	891.6	905.7	911.6
776.5	12.5°	782.7	793.0	817.8	844.0	871.3	901.2	925.4	947.4	965.0	972.9
794.8	15°	802.3	815.8	847.5	882.6	922.6	964.3	995.0	1019.5	1039.1	1048.8
813.7	17.5°	823.7	841.6	881.6	934.7	991.9	1046.7	1082.5	1100.5	1120.8	1130.1
831.3	20°	844.4	866.4	923.6	1000.8	1077.0	1135.3	1164.2	1169.0	1170.4	1171.4
847.8	22.5°	865.7	895.4	976.4	1084.3	1165.9	1206.3	1210.4	1189.7	1160.8	1147.3
864.0	25°	889.2	928.5	1045.3	1176.3	1242.4	1247.3	1215.6	1165.2	1110.4	1085.3
877.1	27.5°	911.9	966.7	1128.0	1264.2	1297.6	1255.2	1187.0	1115.6	1049.4	1022.9
886.4	30°	934.7	1010.5	1219.4	1341.0	1322.7	1235.6	1141.8	1062.2	995.7	967.8
894.7	32.5°	957.8	1061.5	1324.5	1396.5	1318.3	1193.9	1085.6	1002.2	943.6	914.3
901.9	35°	984.0	1124.2	1424.1	1426.8	1288.3	1132.5	1011.5	930.5	879.5	856.1
910.6	37.5°	1018.1	1203.8	1512.0	1434.4	1235.9	1042.6	919.5	845.8	803.7	793.0
923.3	40°	1060.5	1299.7	1579.2	1422.4	1158.4	933.3	818.9	759.9	736.2	738.6
940.5	42.5°	1115.6	1406.8	1626.4	1391.3	1050.5	820.6	730.6	704.5	715.8	725.5
966.4	45°	1187.3	1518.2	1655.7	1338.6	928.5	725.1	678.6	684.8	693.4	694.5
1008.1	47.5°	1279.0	1630.9	1675.0	1259.0	804.1	657.9	645.5	646.9	645.2	637.9
1070.5	50°	1393.4	1740.5	1692.2	1153.5	698.3	615.9	599.3	594.5	570.7	547.3
1153.5	52.5°	1523.7	1841.1	1699.4	1022.6	615.9	580.7	553.8	523.5	479.1	471.8
1258.0	55°	1668.4	1934.1	1680.8	861.6	546.6	535.6	494.9	458.4	453.6	447.3
1395.5	57.5°	1841.4	2034.4	1642.9	682.1	475.6	482.8	443.2	447.3	438.7	429.1
1572.3	60°	2030.6	2138.2	1576.4	518.3	402.2	417.0	429.8	429.4	427.0	419.1
1758.7	62.5°	2200.9	2206.4	1445.4	397.0	337.8	366.0	400.8	400.5	398.4	393.9
1953.4	65°	2302.2	2196.1	1226.9	312.6	284.7	324.0	361.5	364.3	364.6	364.3
2099.9	67.5°	2284.3	2075.1	927.1	248.8	240.9	281.2	322.6	326.4	329.1	329.8
2118.5	70°	2081.7	1809.4	604.5	198.5	202.0	243.7	285.7	289.5	291.9	294.7
1838.3	72.5°	1622.6	1330.3	346.0	160.6	167.8	211.3	249.2	253.7	255.0	260.2
1279.3	75°	988.8	782.3	186.8	126.5	137.9	180.6	213.0	218.2	220.6	226.8
628.3	77.5°	470.1	338.8	106.5	98.6	111.0	147.5	179.9	185.8	179.2	182.7
173.4	80°	158.9	125.8	67.2	75.1	84.8	115.1	144.1	149.9	136.1	135.4
57.6	82.5°	55.5	51.0	42.7	50.0	54.8	82.4	108.9	116.5	101.3	101.0
25.8	85°	21.7	20.7	23.8	27.2	32.7	50.7	71.7	75.5	62.4	50.3
7.6	87.5°	4.5	4.8	5.9	6.2	10.0	17.6	25.8	31.7	25.2	21.4
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°
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743.1
771.0
811.6
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1048.1
1129.7
1174.2
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1089.1
1026.0
970.9
918.1
861.3
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