

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: P846223

Luminaire Tested: **GLAN-SB1D-730-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846223  
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-730-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 70 CRI, 3000K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV SPILL LIGHT  
ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9747 lumens  
Efficiency: N/A  
Efficacy: 122.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B2 - U0 - G3

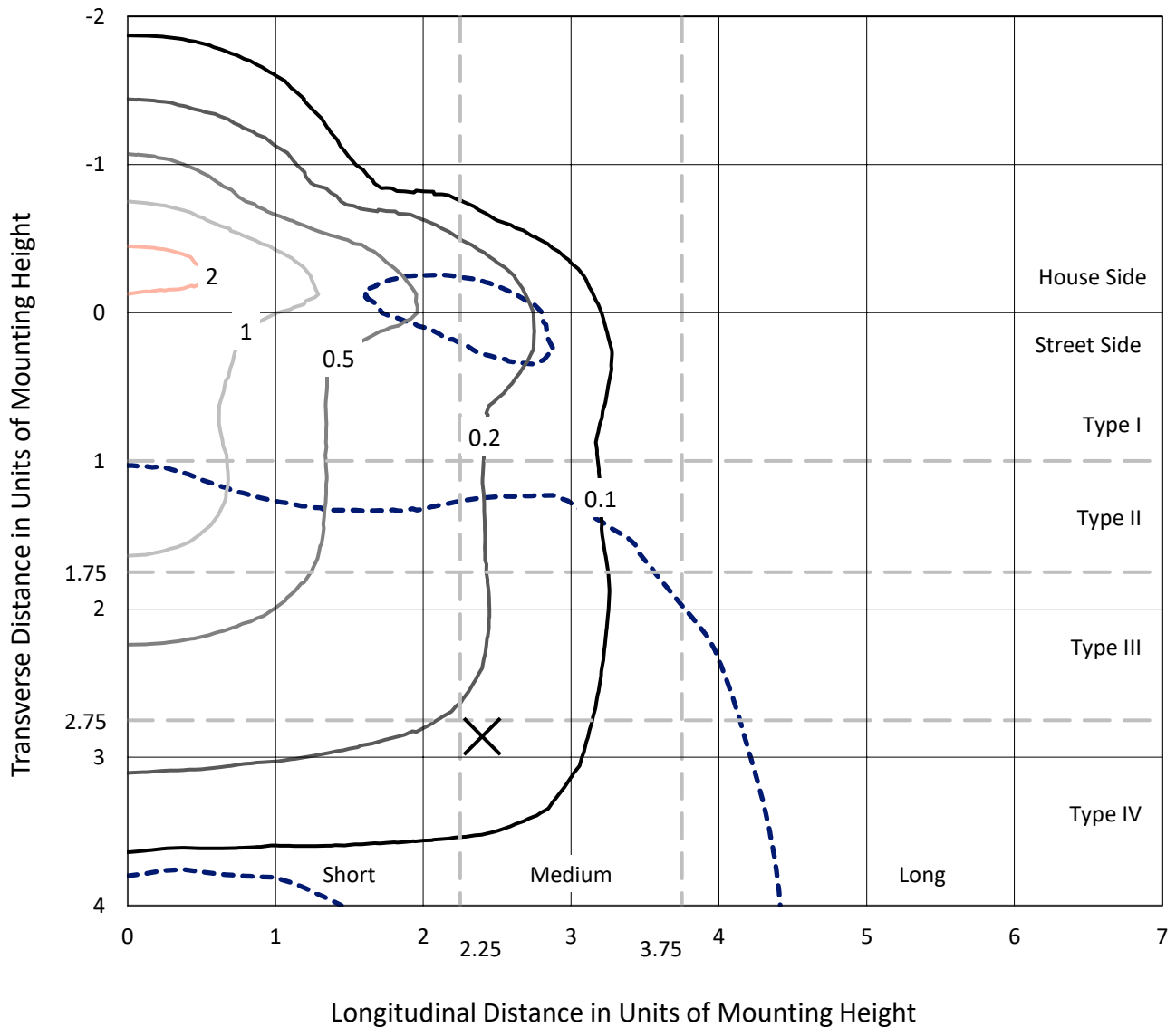
Input Watts (W): 79.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

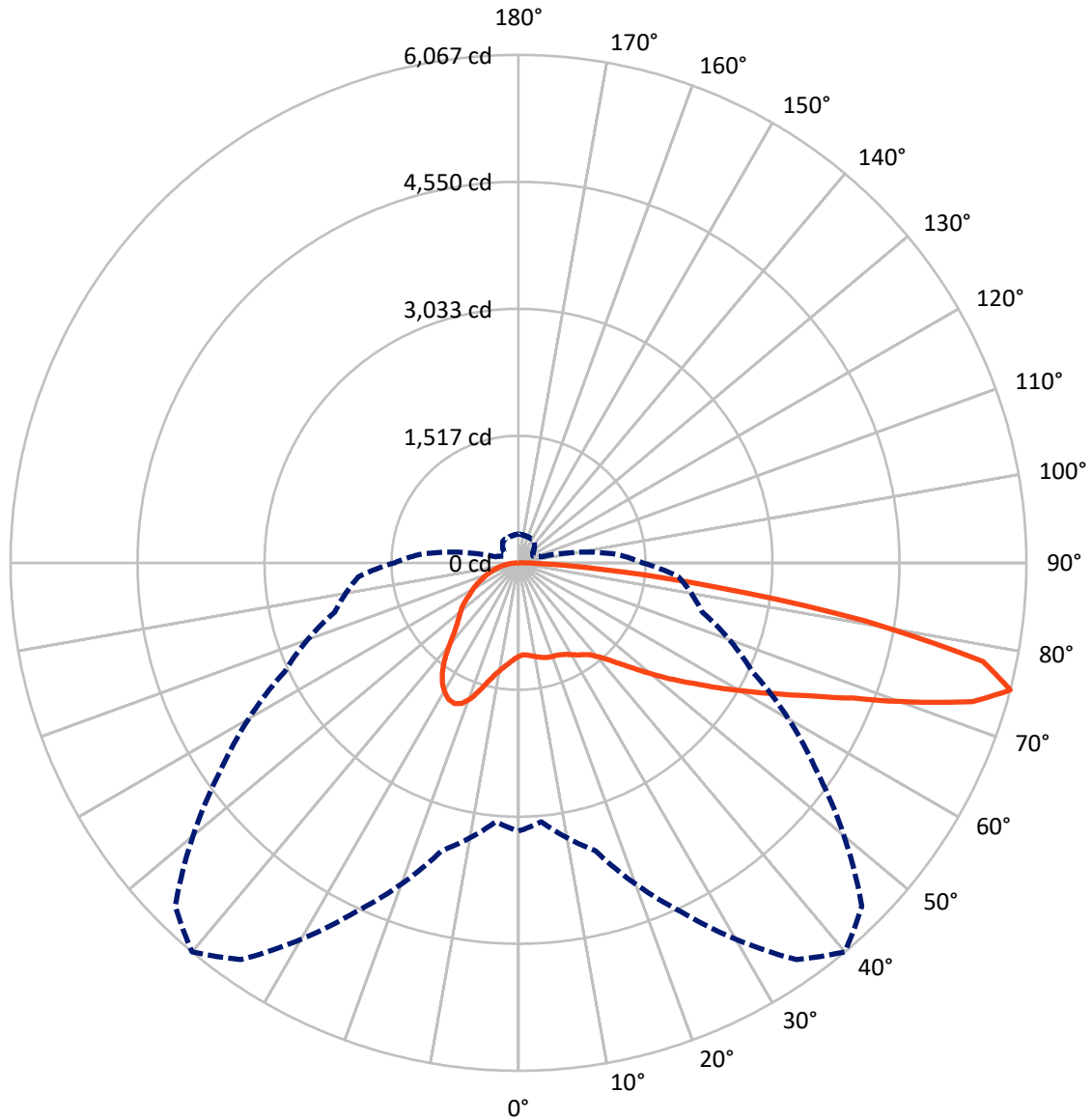
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 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
<b>House Side</b>	Lumens	3019.9	0.0	3019.9
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	6727.1	0.0	6727.1
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	9747.0	0.0	9747.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	111.3	1.1
10°-20°	373.5	3.8
20°-30°	682.1	7.0
30°-40°	967.3	9.9
40°-50°	1306.2	13.4
50°-60°	1757.2	18.0
60°-70°	2230.3	22.9
70°-80°	2024.1	20.8
80°-90°	295.1	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°	9747.0	100.0
0°-180°	9747.0	100.0

**Coefficient of Utilization**

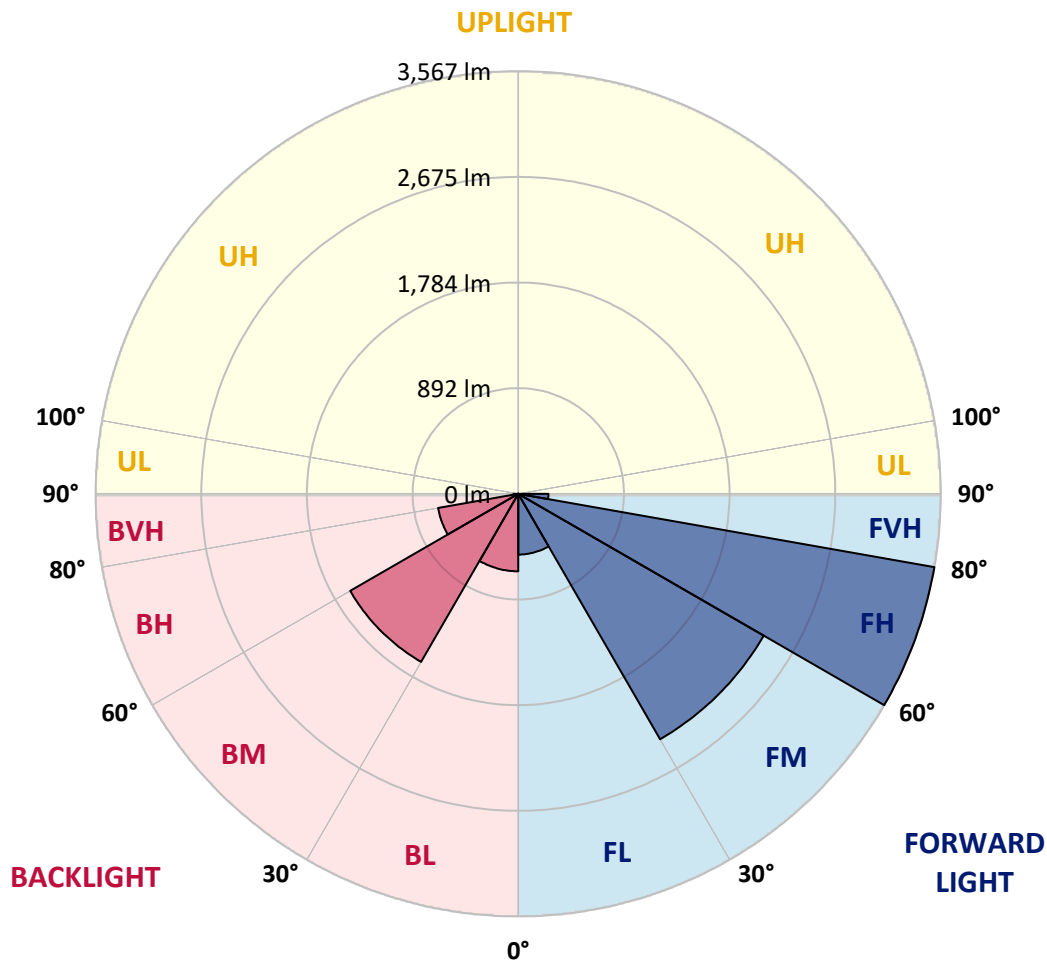


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	512.7	5.3			
FM (30°-60°)	2392.7	24.5			
FH (60°-80°)	3567.3	36.6			G2/5000
FVH (80°-90°)	254.4	2.6			G3/500
BL (0°-30°)	654.1	6.7	B2/1000		
BM (30°-60°)	1638.0	16.8	B2/2500		
BH (60°-80°)	687.1	7.0	B2/1000		G2/1000
BVH (80°-90°)	40.6	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°	1114.6	1114.6	1114.6	1114.6	1114.6	1114.6	1114.6	1114.6	1114.6	1114.6
2.5°	1097.5	1103.7	1102.2	1100.1	1100.1	1100.6	1100.1	1103.7	1107.3	1111.0
5°	1108.9	1115.1	1112.0	1109.4	1107.3	1106.8	1105.3	1104.8	1106.8	1111.5
7.5°	1131.1	1137.3	1132.7	1128.0	1123.9	1121.8	1119.8	1116.7	1115.1	1117.7
10°	1155.9	1162.1	1156.5	1148.2	1141.5	1138.9	1136.8	1133.7	1131.6	1133.2
12.5°	1180.8	1187.0	1179.2	1167.8	1159.0	1157.5	1154.9	1153.9	1153.4	1152.8
15°	1204.0	1209.2	1199.4	1185.9	1176.6	1174.0	1171.4	1173.0	1175.6	1178.7
17.5°	1222.1	1227.3	1212.8	1195.2	1186.4	1185.4	1183.9	1189.0	1196.3	1204.0
20°	1238.7	1243.8	1225.2	1201.4	1191.1	1191.1	1191.6	1202.5	1212.8	1224.2
22.5°	1261.9	1266.1	1243.3	1210.7	1195.7	1196.8	1200.9	1211.8	1224.7	1240.2
25°	1296.6	1299.7	1271.7	1228.3	1211.3	1214.4	1218.0	1223.1	1235.6	1253.6
27.5°	1352.4	1355.0	1318.3	1259.3	1233.5	1238.7	1243.8	1240.2	1245.9	1261.4
30°	1431.0	1432.5	1386.0	1307.9	1271.2	1273.8	1274.8	1259.9	1249.0	1261.4
32.5°	1524.0	1523.5	1468.2	1366.9	1314.1	1311.5	1302.8	1273.3	1248.0	1258.8
35°	1668.3	1662.6	1591.2	1449.6	1362.7	1346.7	1326.0	1288.3	1253.1	1256.2
37.5°	1907.1	1889.5	1790.8	1585.0	1435.1	1394.3	1363.8	1312.6	1264.5	1255.2
40°	2176.4	2154.2	2045.6	1770.6	1543.7	1478.0	1428.9	1347.2	1283.1	1259.9
42.5°	2495.9	2464.4	2347.6	1989.3	1681.2	1586.1	1512.1	1391.2	1310.5	1274.8
45°	2888.3	2846.4	2681.0	2235.9	1854.4	1727.7	1629.0	1457.8	1352.4	1303.8
47.5°	3284.8	3295.2	3059.9	2518.1	2062.2	1902.4	1775.3	1558.1	1413.4	1350.3
50°	3706.1	3713.4	3436.8	2830.9	2297.9	2099.9	1939.7	1670.3	1498.2	1416.5
52.5°	4034.9	4036.0	3779.0	3158.2	2543.5	2317.0	2117.0	1798.5	1596.4	1504.4
55°	4240.7	4238.1	4018.9	3467.8	2825.7	2545.0	2313.4	1944.3	1716.3	1607.8
57.5°	4390.1	4382.3	4184.3	3734.1	3126.6	2814.4	2535.7	2109.7	1858.0	1730.8
60°	4447.0	4442.3	4296.5	3964.1	3443.0	3112.1	2792.1	2294.8	2018.8	1876.1
62.5°	4468.7	4477.5	4406.6	4186.9	3781.6	3442.0	3073.9	2516.1	2199.7	2040.5
65°	4545.2	4561.2	4546.7	4478.5	4164.2	3828.1	3447.7	2779.2	2397.2	2216.8
67.5°	4696.7	4712.7	4718.9	4827.4	4631.5	4309.4	3914.0	3107.0	2628.3	2399.8
70°	4693.0	4688.4	4798.0	5105.1	5216.7	4975.8	4542.6	3510.2	2903.8	2551.8
72.5°	4271.7	4234.5	4493.5	5102.0	5703.7	5671.7	5310.3	4030.3	3141.6	2570.4
75°	3204.7	3105.4	3562.9	4597.9	5784.9	6066.6	5798.3	4352.9	3085.3	2271.0
77.5°	1370.5	1270.7	1809.9	3403.7	5177.4	5671.1	5350.6	3797.6	2462.8	1501.8
80°	358.8	358.3	547.0	1543.1	3521.1	4188.0	3674.1	2452.5	1407.2	536.6
82.5°	148.4	144.8	201.1	600.2	1720.5	2350.1	1918.0	1093.9	508.2	145.3
85°	55.3	54.8	97.7	207.3	606.9	969.3	701.5	279.7	126.7	70.8
87.5°	15.5	15.0	21.2	71.9	147.9	224.4	119.9	46.0	35.7	27.9
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°
1114.6	0°	1114.6	1114.6	1114.6	1114.6	1114.6	1114.6	1114.6	1114.6	1114.6	1114.6
1116.7	2.5°	1118.2	1120.8	1125.4	1129.1	1133.7	1138.9	1146.1	1150.8	1155.4	1158.5
1119.2	5°	1122.9	1128.5	1140.4	1152.3	1166.3	1179.2	1194.2	1205.1	1213.8	1216.4
1128.5	7.5°	1133.2	1142.5	1162.7	1182.8	1205.1	1226.2	1248.0	1266.6	1281.6	1287.2
1145.1	10°	1151.3	1163.7	1192.1	1220.6	1250.0	1282.6	1310.5	1337.4	1358.6	1367.4
1164.7	12.5°	1174.0	1189.5	1226.8	1266.1	1306.9	1351.9	1388.1	1421.1	1447.5	1459.4
1192.1	15°	1203.5	1223.7	1271.2	1324.0	1383.9	1446.5	1492.5	1529.2	1558.7	1573.1
1220.6	17.5°	1235.6	1262.4	1322.4	1402.0	1487.8	1570.0	1623.8	1650.7	1681.2	1695.1
1246.9	20°	1266.6	1299.7	1385.5	1501.3	1615.5	1702.9	1746.3	1753.6	1755.6	1757.2
1271.7	22.5°	1298.6	1343.1	1464.6	1626.4	1748.9	1809.4	1815.6	1784.6	1741.1	1721.0
1296.0	25°	1333.8	1392.7	1568.0	1764.4	1863.7	1870.9	1823.3	1747.9	1665.7	1627.9
1315.7	27.5°	1367.9	1450.1	1692.0	1896.2	1946.4	1882.8	1780.4	1673.4	1574.2	1534.4
1329.6	30°	1402.0	1515.7	1829.0	2011.5	1984.1	1853.3	1712.7	1593.3	1493.5	1451.6
1342.0	32.5°	1436.7	1592.3	1986.7	2094.8	1977.4	1790.8	1628.4	1503.3	1415.5	1371.5
1352.9	35°	1475.9	1686.3	2136.1	2140.2	1932.4	1698.8	1517.3	1395.8	1319.3	1284.1
1365.8	37.5°	1527.1	1805.8	2267.9	2151.6	1853.8	1563.8	1379.3	1268.6	1205.6	1189.5
1385.0	40°	1590.7	1949.5	2368.7	2133.5	1737.5	1399.9	1228.3	1139.9	1104.2	1107.9
1410.8	42.5°	1673.4	2110.3	2439.6	2087.0	1575.7	1230.9	1096.0	1056.7	1073.7	1088.2
1449.6	45°	1781.0	2277.2	2483.5	2007.9	1392.7	1087.7	1017.9	1027.2	1040.1	1041.7
1512.1	47.5°	1918.5	2446.3	2512.5	1888.5	1206.1	986.9	968.3	970.3	967.8	956.9
1605.7	50°	2090.1	2610.7	2538.3	1730.3	1047.4	923.8	899.0	891.8	856.1	820.9
1730.3	52.5°	2285.5	2761.6	2549.2	1533.8	923.8	871.1	830.8	785.3	718.6	707.7
1886.9	55°	2502.6	2901.2	2521.3	1292.4	819.9	803.4	742.4	687.6	680.3	671.0
2093.2	57.5°	2762.2	3051.7	2464.4	1023.1	713.4	724.3	664.8	671.0	658.1	643.6
2358.4	60°	3046.0	3207.3	2364.6	777.5	603.3	625.5	644.7	644.1	640.5	628.6
2638.1	62.5°	3301.4	3309.6	2168.2	595.5	506.6	549.0	601.2	600.7	597.6	590.9
2930.2	65°	3453.3	3294.1	1840.4	468.9	427.0	485.9	542.3	546.4	547.0	546.4
3149.9	67.5°	3426.5	3112.7	1390.6	373.3	361.4	421.8	483.9	489.6	493.7	494.7
3177.8	70°	3122.5	2714.1	906.8	297.8	302.9	365.5	428.6	434.3	437.9	442.0
2757.5	72.5°	2433.9	1995.5	519.0	240.9	251.8	316.9	373.8	380.5	382.6	390.3
1919.0	75°	1483.2	1173.5	280.2	189.7	206.8	270.9	319.5	327.2	330.9	340.2
942.4	77.5°	705.1	508.2	159.7	147.9	166.5	221.3	269.9	278.6	268.8	274.0
260.0	80°	238.3	188.7	100.8	112.7	127.2	172.7	216.1	224.9	204.2	203.2
86.3	82.5°	83.2	76.5	64.1	75.0	82.2	123.6	163.4	174.7	152.0	151.5
38.8	85°	32.6	31.0	35.7	40.8	49.1	76.0	107.5	113.2	93.6	75.5
11.4	87.5°	6.7	7.2	8.8	9.3	15.0	26.4	38.8	47.6	37.7	32.1
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°
1114.6
1156.5
1217.5
1287.8
1367.9
1459.4
1572.1
1694.6
1761.3
1726.7
1633.6
1539.0
1456.3
1377.2
1291.9
1200.9
1120.3
1101.7
1052.0
965.2
825.6
711.3
672.6
641.0
624.5
588.3
546.4
495.8
444.1
393.4
341.2
269.9
201.1
144.2
74.4
29.5
0.0

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