

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: P846316

Luminaire Tested: **GLAN-SB1D-850-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846316
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1D-850-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 5000K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8660 lumens
Efficiency: N/A
Efficacy: 108.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

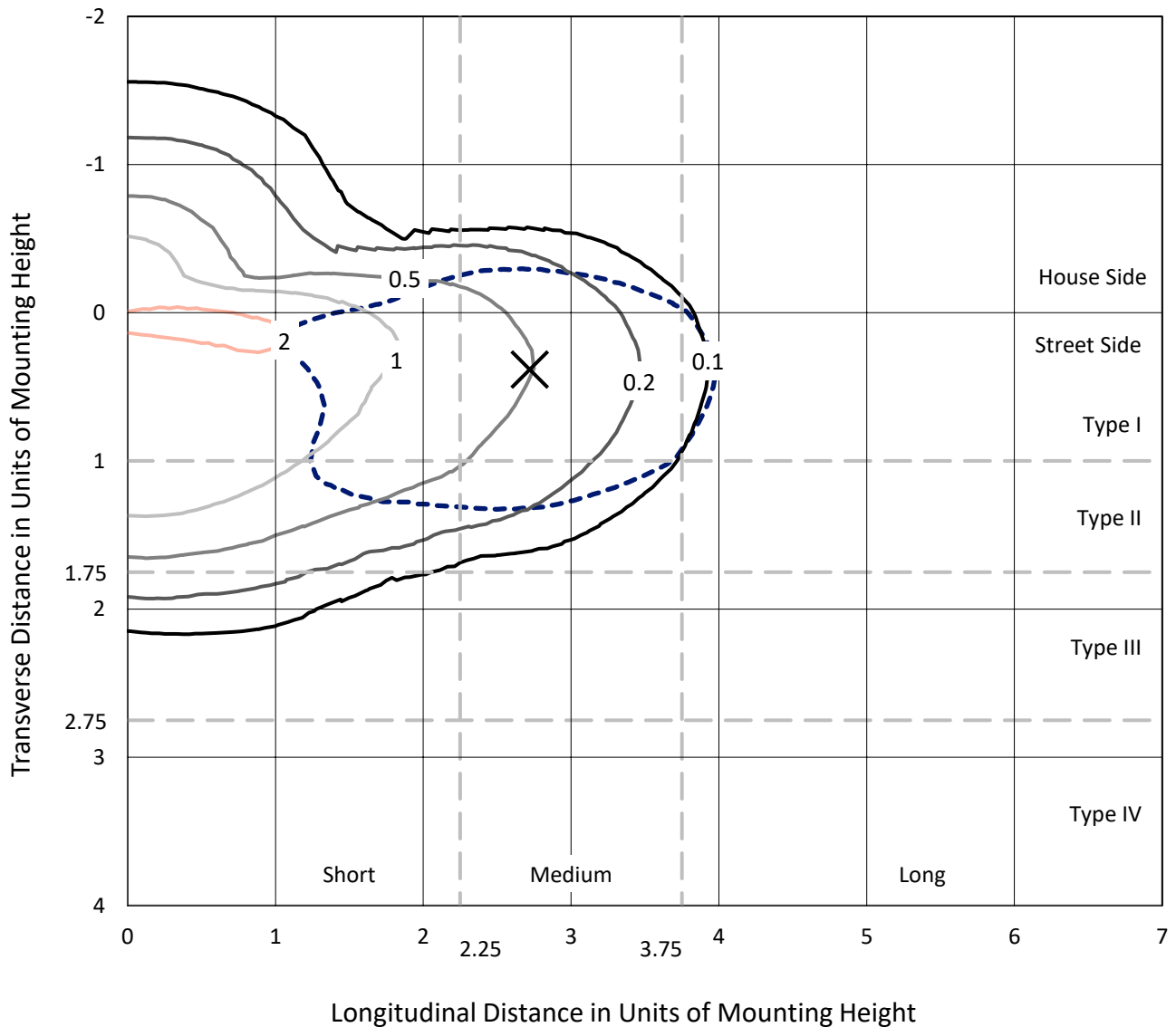
Input Watts (W): 79.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

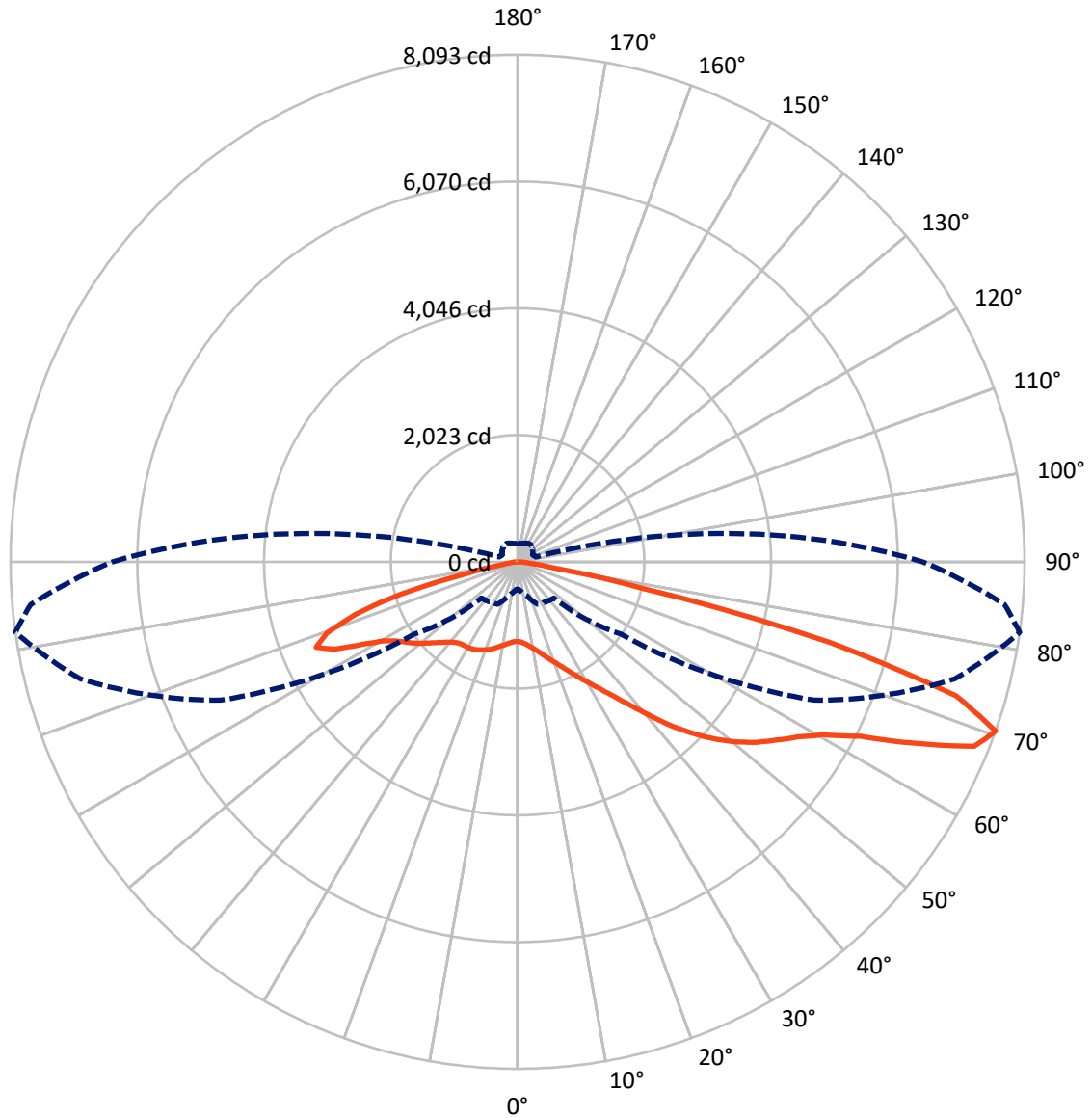
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2134.9	0.0	2134.9
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	6525.1	0.0	6525.1
	% Fixture	75.3	0.0	75.3
Total	Lumens	8660.0	0.0	8660.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.9	1.4
10°-20°	344.4	4.0
20°-30°	576.2	6.7
30°-40°	900.1	10.4
40°-50°	1433.6	16.6
50°-60°	1995.0	23.0
60°-70°	2086.9	24.1
70°-80°	1090.7	12.6
80°-90°	113.3	1.3
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°	8660.0	100.0
0°-180°	8660.0	100.0

Coefficient of Utilization

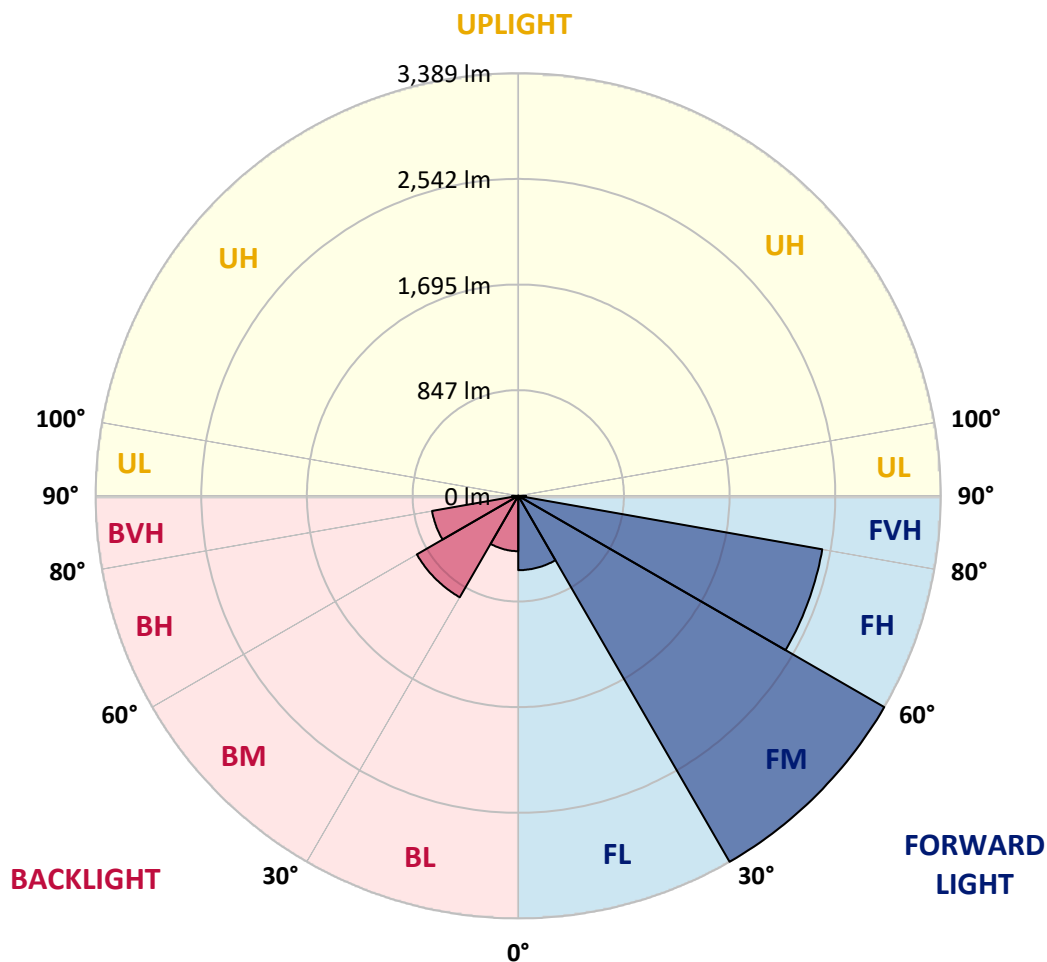


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	596.3	6.9			
FM (30°-60°)	3389.4	39.1			
FH (60°-80°)	2475.9	28.6			G2/5000
FVH (80°-90°)	63.4	0.7			G1/100
BL (0°-30°)	444.1	5.1	B1/500		
BM (30°-60°)	939.3	10.8	B1/1000		
BH (60°-80°)	701.6	8.1	B2/1000		G2/1000
BVH (80°-90°)	49.9	0.6			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 II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	1269.7	1269.7	1269.7	1269.7	1269.7	1269.7	1269.7	1269.7	1269.7	1269.7
2.5°	1300.0	1307.3	1305.0	1302.8	1302.8	1299.5	1299.1	1294.5	1290.8	1284.8
5°	1316.5	1324.3	1323.4	1325.3	1331.2	1332.6	1334.0	1331.2	1323.9	1316.5
7.5°	1301.8	1310.6	1313.3	1324.3	1342.7	1359.3	1371.7	1376.7	1369.8	1359.3
10°	1252.2	1261.9	1271.5	1297.7	1330.3	1369.4	1402.5	1422.2	1420.8	1410.7
12.5°	1151.6	1161.7	1182.4	1233.4	1293.1	1362.0	1423.6	1465.0	1479.2	1471.9
15°	1071.2	1079.9	1095.5	1147.9	1225.6	1330.3	1431.4	1511.8	1548.1	1544.0
17.5°	1068.9	1072.5	1082.2	1107.0	1166.7	1280.7	1423.1	1557.8	1627.2	1626.7
20°	1109.3	1110.7	1116.2	1121.2	1155.2	1243.0	1402.0	1595.9	1715.9	1715.9
22.5°	1165.4	1164.4	1169.9	1165.4	1181.9	1239.8	1388.7	1629.5	1814.7	1822.0
25°	1249.4	1244.9	1243.5	1232.9	1236.1	1269.7	1403.4	1667.6	1931.8	1947.0
27.5°	1361.6	1354.2	1349.2	1324.8	1316.5	1331.2	1448.4	1713.6	2062.3	2088.5
30°	1507.7	1494.4	1487.0	1444.7	1414.9	1417.2	1516.4	1774.7	2198.8	2241.1
32.5°	1707.1	1686.5	1666.7	1597.3	1542.6	1524.7	1604.2	1859.2	2346.8	2414.3
35°	1930.5	1913.9	1892.8	1785.7	1701.6	1660.3	1722.8	1977.3	2520.0	2627.1
37.5°	2145.5	2131.3	2141.4	1997.1	1888.6	1828.4	1878.1	2135.9	2733.7	2891.8
40°	2367.9	2356.9	2358.3	2220.4	2094.1	2026.5	2066.5	2334.8	2978.6	3206.6
42.5°	2609.6	2601.4	2573.8	2451.6	2309.6	2246.6	2283.4	2564.6	3241.5	3565.0
45°	2880.3	2875.2	2849.5	2709.4	2546.7	2475.9	2525.5	2818.3	3505.7	3902.3
47.5°	3114.2	3118.3	3115.1	2997.0	2828.4	2724.5	2783.8	3082.9	3751.6	4219.3
50°	3226.8	3248.4	3280.1	3243.3	3138.5	3032.9	3044.3	3338.4	3985.9	4516.7
52.5°	3168.0	3208.9	3295.2	3354.1	3394.5	3372.4	3341.7	3592.1	4206.5	4785.0
55°	2948.8	3006.2	3149.6	3291.6	3497.9	3658.3	3698.7	3873.3	4421.5	5021.2
57.5°	2549.4	2642.7	2771.4	3058.6	3406.0	3796.6	4115.0	4263.5	4649.5	5273.5
60°	1864.7	1989.7	2149.7	2577.0	3084.3	3722.6	4469.3	4862.7	4973.4	5600.2
62.5°	1193.4	1270.6	1417.6	1820.2	2403.3	3343.5	4577.8	5611.7	5522.6	6136.0
65°	817.0	866.7	1001.3	1227.4	1553.7	2488.8	4287.4	6173.2	6394.7	6985.2
67.5°	593.7	631.4	746.3	944.3	1012.3	1472.8	3327.0	6147.5	7242.6	7860.2
70°	432.9	459.5	556.0	746.3	778.9	819.3	2015.5	5225.7	7224.2	8092.7
72.5°	320.7	339.1	403.9	579.0	630.5	553.3	997.6	3798.0	6207.7	7319.8
75°	232.1	245.8	293.6	443.0	504.6	421.4	497.7	2219.5	4330.1	5149.0
77.5°	177.4	187.9	219.2	324.4	403.9	316.2	308.8	1021.1	2053.2	2063.3
80°	142.5	149.3	166.3	228.4	309.7	236.7	201.3	412.2	648.8	549.1
82.5°	104.8	116.3	140.6	160.4	221.5	163.1	122.7	208.2	246.8	212.3
85°	59.7	67.6	85.0	114.9	141.5	99.7	70.3	92.4	114.9	94.2
87.5°	21.1	27.6	29.9	45.0	61.6	41.4	27.1	26.7	37.7	28.0
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°
1269.7	0°	1269.7	1269.7	1269.7	1269.7	1269.7	1269.7	1269.7	1269.7	1269.7	1269.7
1283.5	2.5°	1278.9	1276.6	1267.4	1255.0	1242.1	1229.7	1225.6	1216.8	1210.8	1207.6
1313.3	5°	1304.6	1297.2	1275.6	1248.1	1219.1	1187.9	1165.8	1145.6	1130.9	1117.1
1354.2	7.5°	1341.4	1328.5	1291.3	1243.0	1191.5	1139.6	1101.0	1071.6	1051.9	1039.0
1402.0	10°	1384.1	1364.3	1307.3	1235.2	1155.7	1081.3	1035.8	1010.5	998.1	991.2
1456.7	12.5°	1433.3	1405.2	1323.9	1217.3	1101.0	1016.0	984.8	977.4	977.9	978.3
1525.6	15°	1493.9	1454.9	1337.2	1178.2	1029.8	965.9	960.4	972.4	984.8	990.7
1603.7	17.5°	1562.4	1507.2	1339.5	1113.9	959.9	933.8	951.2	976.9	995.8	1004.1
1691.0	20°	1635.9	1560.5	1323.0	1022.9	902.5	907.6	938.8	971.9	992.6	1003.1
1790.8	22.5°	1720.0	1617.5	1283.5	927.3	855.6	879.1	915.8	948.0	969.6	980.2
1907.9	25°	1816.0	1681.4	1221.4	846.9	815.2	846.9	883.7	910.3	927.8	937.4
2038.9	27.5°	1922.6	1748.0	1138.7	783.0	779.8	813.8	844.1	864.8	874.0	881.4
2178.1	30°	2029.7	1808.7	1038.5	734.8	749.0	781.2	802.8	812.0	814.7	816.1
2333.5	32.5°	2145.5	1861.1	933.3	694.8	719.6	749.5	762.4	766.5	753.6	744.9
2521.9	35°	2285.7	1917.1	830.4	663.1	690.7	716.4	720.5	716.9	701.7	683.8
2758.1	37.5°	2458.9	1987.0	748.1	640.6	663.6	680.6	675.5	674.6	676.0	654.8
3042.0	40°	2671.2	2078.0	687.9	623.1	641.5	645.2	630.9	638.7	645.6	613.5
3353.6	42.5°	2906.9	2187.8	649.8	611.2	623.1	614.4	592.3	601.1	600.1	557.9
3666.5	45°	3147.3	2307.3	636.4	602.4	606.1	588.7	564.3	566.6	547.3	509.2
3966.6	47.5°	3386.2	2435.5	644.7	595.1	585.0	565.2	546.4	536.3	507.8	479.3
4254.3	50°	3620.6	2570.1	675.0	580.4	556.0	544.5	530.8	512.8	482.5	458.1
4526.3	52.5°	3837.9	2705.7	709.0	556.0	519.7	526.6	517.9	497.2	467.3	442.5
4783.6	55°	4043.8	2841.2	722.4	522.5	485.7	511.0	505.9	467.8	432.0	411.7
5052.9	57.5°	4268.1	3004.4	707.7	479.7	458.1	493.1	473.8	431.5	410.8	395.7
5403.5	60°	4578.7	3260.3	676.0	426.9	432.0	466.4	433.3	415.9	393.4	376.4
5929.2	62.5°	5094.7	3737.8	625.0	374.5	401.2	426.9	414.0	396.6	373.6	357.1
6828.1	65°	5857.6	4401.3	528.9	333.6	366.7	388.3	393.4	375.9	352.0	334.5
7615.7	67.5°	6500.9	4817.6	400.2	299.6	331.3	357.1	371.3	354.3	329.0	312.0
7800.0	70°	6465.5	4515.3	305.6	266.1	300.1	326.3	344.6	331.3	304.2	288.1
7084.9	72.5°	5742.7	3777.3	247.2	232.1	268.4	294.1	316.2	306.0	278.5	262.8
5190.3	75°	4218.9	2681.3	197.6	197.6	228.8	260.6	284.9	278.5	253.2	242.2
2179.1	77.5°	1778.4	1124.9	154.9	164.1	190.2	223.8	254.1	256.4	234.4	248.1
576.2	80°	472.9	310.2	118.1	129.1	149.3	184.7	221.0	220.1	196.2	183.4
214.1	82.5°	180.1	122.2	84.1	91.0	108.0	141.5	175.1	180.6	156.7	135.6
84.1	85°	69.4	52.4	51.9	54.7	63.0	93.7	132.3	136.9	118.1	100.2
23.4	87.5°	17.9	15.6	19.3	18.4	29.0	50.1	75.8	78.6	72.1	41.8
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°
1269.7
1211.3
1122.6
1041.7
993.0
979.2
990.3
1005.9
1005.9
982.9
940.2
884.1
819.3
747.6
684.7
656.2
614.4
557.4
510.5
479.3
456.3
443.0
409.9
394.3
375.4
357.1
335.5
312.5
289.5
262.8
239.0
225.2
170.5
135.6
103.4
59.7
0.0

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