

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: P846406

Luminaire Tested: **GLAN-SB2A-735-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846406
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-SB2A-735-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8722 lumens
Efficiency: N/A
Efficacy: 152.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

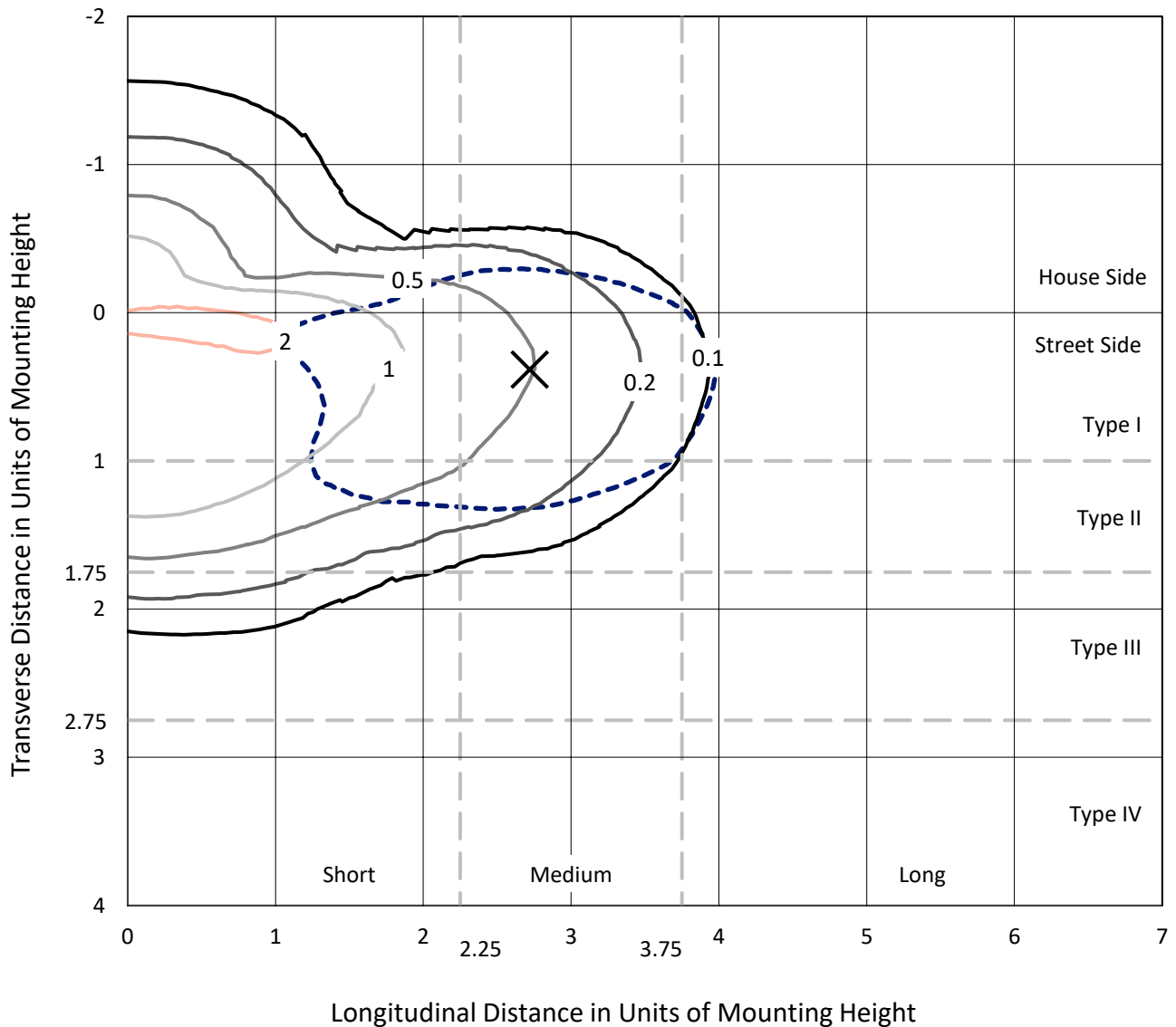
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

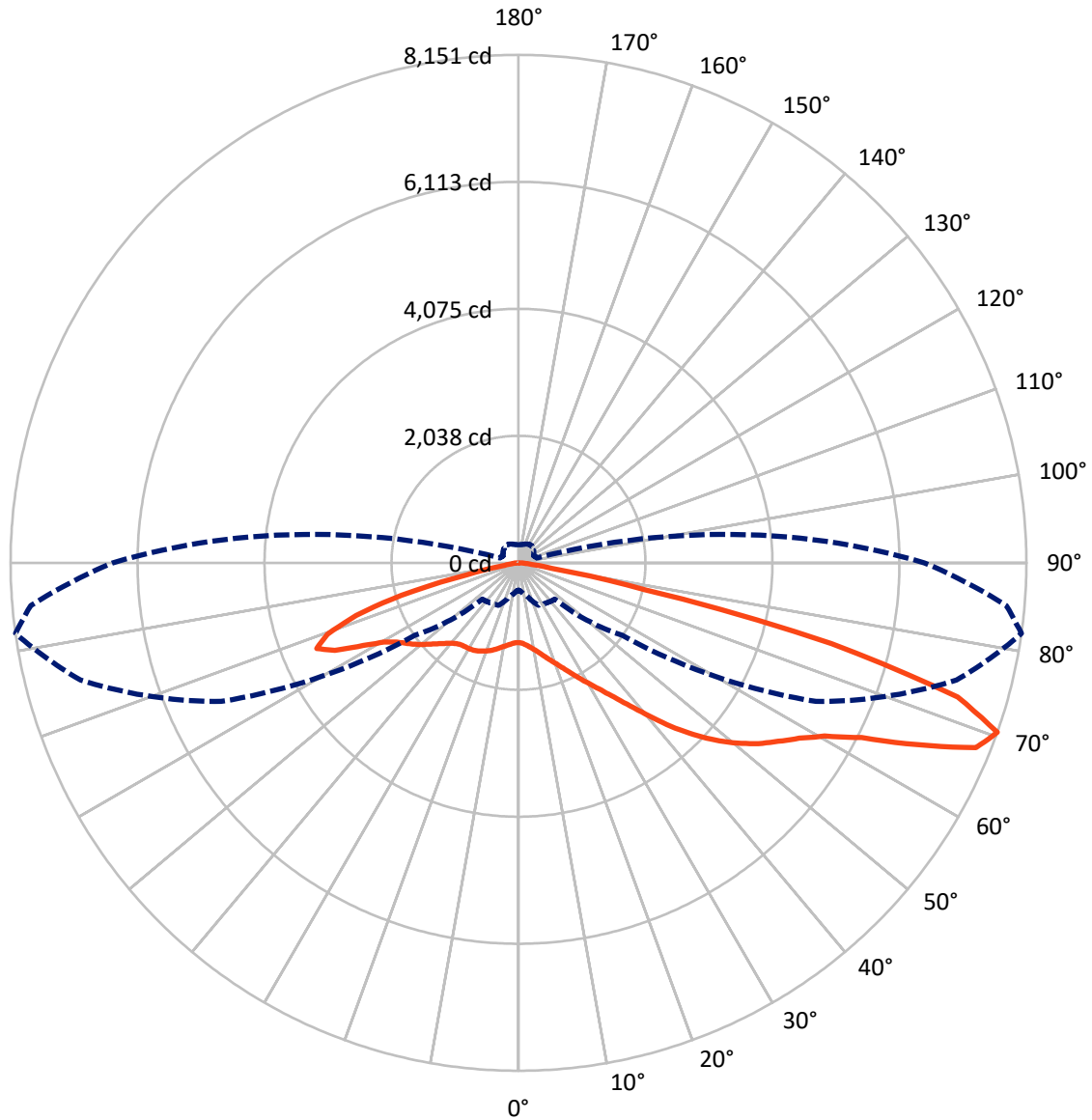
× Max cd
 - - - 1/2 Max cd



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	2150.2	0.0	2150.2
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	6571.8	0.0	6571.8
	% Fixture	75.3	0.0	75.3
Total	Lumens	8722.0	0.0	8722.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.7	1.4
10°-20°	346.9	4.0
20°-30°	580.3	6.7
30°-40°	906.6	10.4
40°-50°	1443.8	16.6
50°-60°	2009.3	23.0
60°-70°	2101.8	24.1
70°-80°	1098.5	12.6
80°-90°	114.1	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°	8722.0	100.0
0°-180°	8722.0	100.0

Coefficient of Utilization

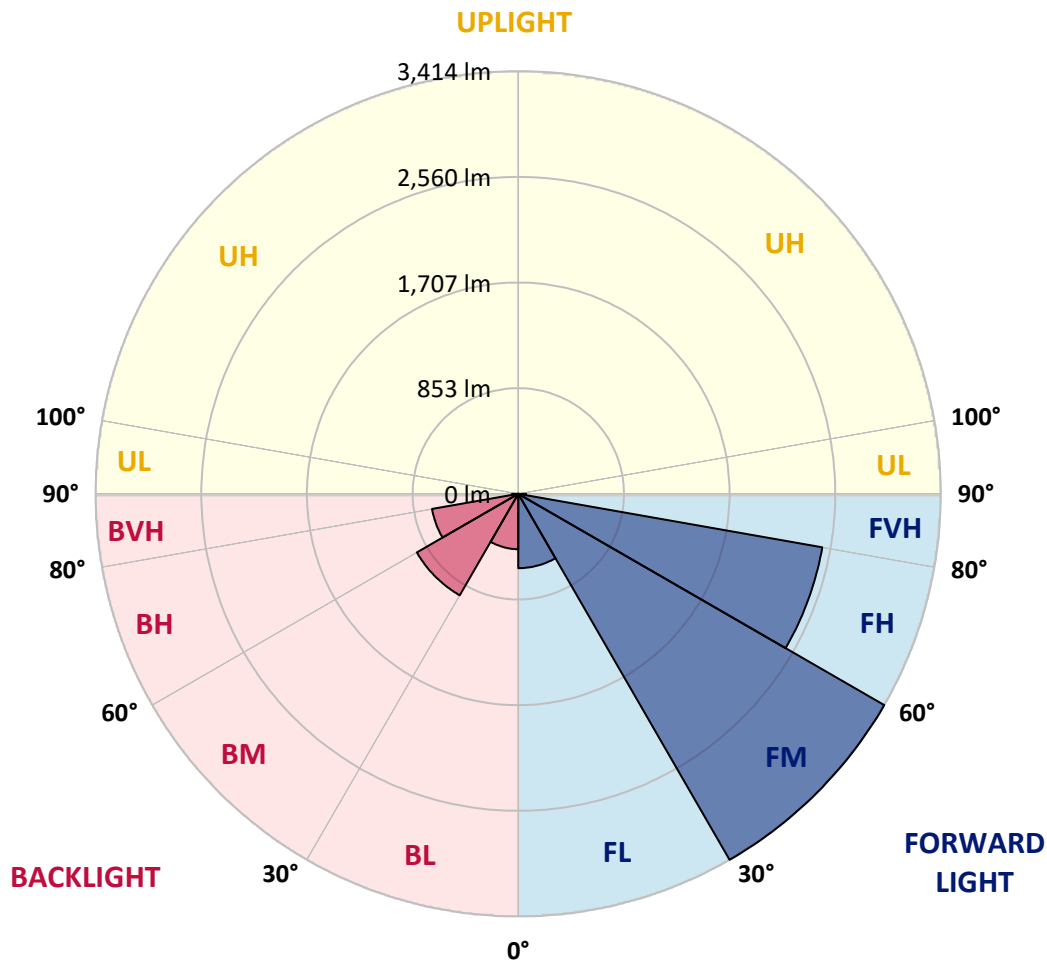


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	600.6	6.9			
FM (30°-60°)	3413.7	39.1			
FH (60°-80°)	2493.7	28.6			G2/5000
FVH (80°-90°)	63.9	0.7			G1/100
BL (0°-30°)	447.3	5.1	B1/500		
BM (30°-60°)	946.0	10.8	B1/1000		
BH (60°-80°)	706.7	8.1	B2/1000		G2/1000
BVH (80°-90°)	50.2	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°	1278.8	1278.8	1278.8	1278.8	1278.8	1278.8	1278.8	1278.8	1278.8	1278.8
2.5°	1309.3	1316.7	1314.4	1312.1	1312.1	1308.8	1308.4	1303.7	1300.0	1294.0
5°	1326.0	1333.8	1332.9	1334.8	1340.8	1342.2	1343.5	1340.8	1333.4	1326.0
7.5°	1311.2	1319.9	1322.7	1333.8	1352.3	1369.0	1381.5	1386.6	1379.6	1369.0
10°	1261.2	1270.9	1280.6	1307.0	1339.8	1379.2	1412.5	1432.4	1431.0	1420.8
12.5°	1159.8	1170.0	1190.8	1242.2	1302.4	1371.8	1433.8	1475.5	1489.8	1482.4
15°	1078.8	1087.6	1103.3	1156.1	1234.3	1339.8	1441.7	1522.7	1559.2	1555.1
17.5°	1076.5	1080.2	1089.9	1114.9	1175.1	1289.9	1433.3	1568.9	1638.8	1638.4
20°	1117.2	1118.6	1124.2	1129.3	1163.5	1251.9	1412.0	1607.4	1728.1	1728.1
22.5°	1173.7	1172.8	1178.3	1173.7	1190.4	1248.7	1398.6	1641.1	1827.7	1835.1
25°	1258.4	1253.8	1252.4	1241.7	1245.0	1278.8	1413.4	1679.6	1945.7	1960.9
27.5°	1371.3	1363.9	1358.8	1334.3	1326.0	1340.8	1458.8	1725.8	2077.1	2103.5
30°	1518.5	1505.1	1497.7	1455.1	1425.0	1427.3	1527.3	1787.4	2214.6	2257.1
32.5°	1719.4	1698.5	1678.6	1608.7	1553.7	1535.6	1615.7	1872.5	2363.6	2431.6
35°	1944.3	1927.6	1906.3	1798.5	1713.8	1672.1	1735.1	1991.5	2538.1	2645.9
37.5°	2160.9	2146.5	2156.7	2011.4	1902.2	1841.5	1891.5	2151.2	2753.3	2912.5
40°	2384.9	2373.8	2375.2	2236.3	2109.0	2041.0	2081.3	2351.6	3000.0	3229.5
42.5°	2628.3	2620.0	2592.2	2469.1	2326.1	2262.7	2299.7	2583.0	3264.7	3590.5
45°	2900.9	2895.8	2869.9	2728.7	2564.9	2493.6	2543.6	2838.4	3530.8	3930.2
47.5°	3136.5	3140.7	3137.4	3018.5	2848.6	2744.0	2803.7	3105.0	3778.4	4249.6
50°	3249.9	3271.6	3303.6	3266.5	3161.0	3054.6	3066.1	3362.3	4014.4	4549.0
52.5°	3190.6	3231.8	3318.8	3378.1	3418.8	3396.6	3365.6	3617.8	4236.6	4819.3
55°	2969.9	3027.7	3172.1	3315.1	3522.9	3684.5	3725.2	3901.1	4453.2	5057.2
57.5°	2567.7	2661.6	2791.2	3080.5	3430.4	3823.8	4144.5	4294.0	4682.7	5311.3
60°	1878.1	2004.0	2165.0	2595.5	3106.4	3749.3	4501.3	4897.5	5009.0	5640.3
62.5°	1201.9	1279.7	1427.8	1833.2	2420.5	3367.4	4610.6	5651.9	5562.1	6180.0
65°	822.9	872.9	1008.5	1236.2	1564.8	2506.6	4318.1	6217.4	6440.5	7035.2
67.5°	598.0	635.9	751.6	951.1	1019.6	1483.3	3350.8	6191.5	7294.4	7916.4
70°	436.0	462.8	560.0	751.6	784.5	825.2	2029.9	5263.1	7275.9	8150.6
72.5°	323.0	341.6	406.8	583.1	635.0	557.2	1004.8	3825.2	6252.2	7372.2
75°	233.7	247.6	295.7	446.2	508.2	424.4	501.2	2235.4	4361.1	5185.8
77.5°	178.6	189.3	220.8	326.7	406.8	318.4	311.0	1028.4	2067.9	2078.0
80°	143.5	150.4	167.5	230.0	311.9	238.3	202.7	415.1	653.5	553.1
82.5°	105.5	117.1	141.6	161.5	223.1	164.3	123.6	209.7	248.5	213.8
85°	60.2	68.0	85.6	115.7	142.5	100.4	70.8	93.0	115.7	94.9
87.5°	21.3	27.8	30.1	45.4	62.0	41.7	27.3	26.8	38.0	28.2
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°
1278.8	0°	1278.8	1278.8	1278.8	1278.8	1278.8	1278.8	1278.8	1278.8	1278.8	1278.8
1292.6	2.5°	1288.0	1285.7	1276.4	1263.9	1251.0	1238.5	1234.3	1225.5	1219.5	1216.3
1322.7	5°	1313.9	1306.5	1284.8	1257.0	1227.8	1196.4	1174.2	1153.8	1139.0	1125.1
1363.9	7.5°	1351.0	1338.0	1300.5	1251.9	1200.1	1147.8	1108.9	1079.3	1059.4	1046.4
1412.0	10°	1394.0	1374.1	1316.7	1244.0	1164.0	1089.0	1043.2	1017.7	1005.2	998.3
1467.1	12.5°	1443.5	1415.3	1333.4	1226.0	1108.9	1023.3	991.8	984.4	984.9	985.3
1536.5	15°	1504.6	1465.3	1346.8	1186.7	1037.2	972.8	967.3	979.3	991.8	997.8
1615.2	17.5°	1573.6	1518.0	1349.1	1121.9	966.8	940.4	958.0	983.9	1002.9	1011.2
1703.2	20°	1647.6	1571.7	1332.4	1030.2	909.0	914.1	945.5	978.9	999.7	1010.3
1803.6	22.5°	1732.3	1629.1	1292.6	934.0	861.8	885.4	922.4	954.8	976.5	987.2
1921.6	25°	1829.0	1693.4	1230.2	853.0	821.0	853.0	890.0	916.8	934.4	944.1
2053.5	27.5°	1936.4	1760.5	1146.9	788.6	785.4	819.6	850.2	871.0	880.3	887.7
2193.7	30°	2044.2	1821.6	1046.0	740.0	754.4	786.8	808.5	817.8	820.6	822.0
2350.2	32.5°	2160.9	1874.4	940.0	699.8	724.8	754.8	767.8	772.0	759.0	750.2
2539.9	35°	2302.0	1930.9	836.3	667.8	695.6	721.5	725.7	722.0	706.7	688.7
2777.8	37.5°	2476.5	2001.2	753.5	645.2	668.3	685.4	680.3	679.4	680.8	659.5
3063.8	40°	2690.3	2092.8	692.8	627.6	646.1	649.8	635.4	643.3	650.3	617.9
3377.6	42.5°	2927.8	2203.5	654.4	615.5	627.6	618.8	596.6	605.4	604.4	561.9
3692.8	45°	3169.8	2323.8	641.0	606.7	610.5	592.9	568.3	570.6	551.2	512.8
3995.0	47.5°	3410.5	2452.9	649.3	599.3	589.2	569.3	550.3	540.1	511.4	482.7
4284.7	50°	3646.5	2588.5	679.9	584.5	560.0	548.4	534.5	516.5	486.0	461.4
4558.7	52.5°	3865.4	2725.0	714.1	560.0	523.4	530.4	521.6	500.8	470.7	445.7
4817.9	55°	4072.8	2861.6	727.5	526.2	489.2	514.6	509.6	471.1	435.0	414.7
5089.1	57.5°	4298.6	3025.9	712.7	483.2	461.4	496.6	477.2	434.6	413.8	398.5
5442.2	60°	4611.5	3283.7	680.8	430.0	435.0	469.8	436.4	418.8	396.2	379.0
5971.7	62.5°	5131.2	3764.5	629.4	377.2	404.0	430.0	417.0	399.4	376.3	359.6
6876.9	65°	5899.5	4432.8	532.7	336.0	369.3	391.1	396.2	378.6	354.5	336.9
7670.2	67.5°	6547.4	4852.1	403.1	301.8	333.7	359.6	374.0	356.8	331.4	314.3
7855.8	70°	6511.8	4547.6	307.8	268.0	302.2	328.6	347.1	333.7	306.4	290.2
7135.7	72.5°	5783.8	3804.3	249.0	233.7	270.3	296.2	318.4	308.2	280.5	264.7
5227.5	75°	4249.1	2700.5	199.0	199.0	230.5	262.4	286.9	280.5	255.0	243.9
2194.7	77.5°	1791.1	1133.0	156.0	165.2	191.6	225.4	255.9	258.3	236.0	249.9
580.4	80°	476.2	312.4	118.9	130.1	150.4	186.1	222.6	221.7	197.6	184.7
215.7	82.5°	181.4	123.1	84.7	91.6	108.8	142.5	176.3	181.9	157.8	136.5
84.7	85°	69.9	52.8	52.3	55.1	63.4	94.4	133.3	137.9	118.9	100.9
23.6	87.5°	18.0	15.7	19.4	18.5	29.2	50.4	76.4	79.1	72.7	42.1
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°
1278.8
1220.0
1130.7
1049.2
1000.1
986.3
997.4
1013.1
1013.1
990.0
946.9
890.5
825.2
753.0
689.6
660.9
618.8
561.4
514.2
482.7
459.6
446.2
412.8
397.1
378.1
359.6
337.9
314.7
291.6
264.7
240.7
226.8
171.7
136.5
104.1
60.2
0.0

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