

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: P852191

Luminaire Tested: **GLAN-SB2A-735-U-T4FT**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852191  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB2A-735-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 70 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

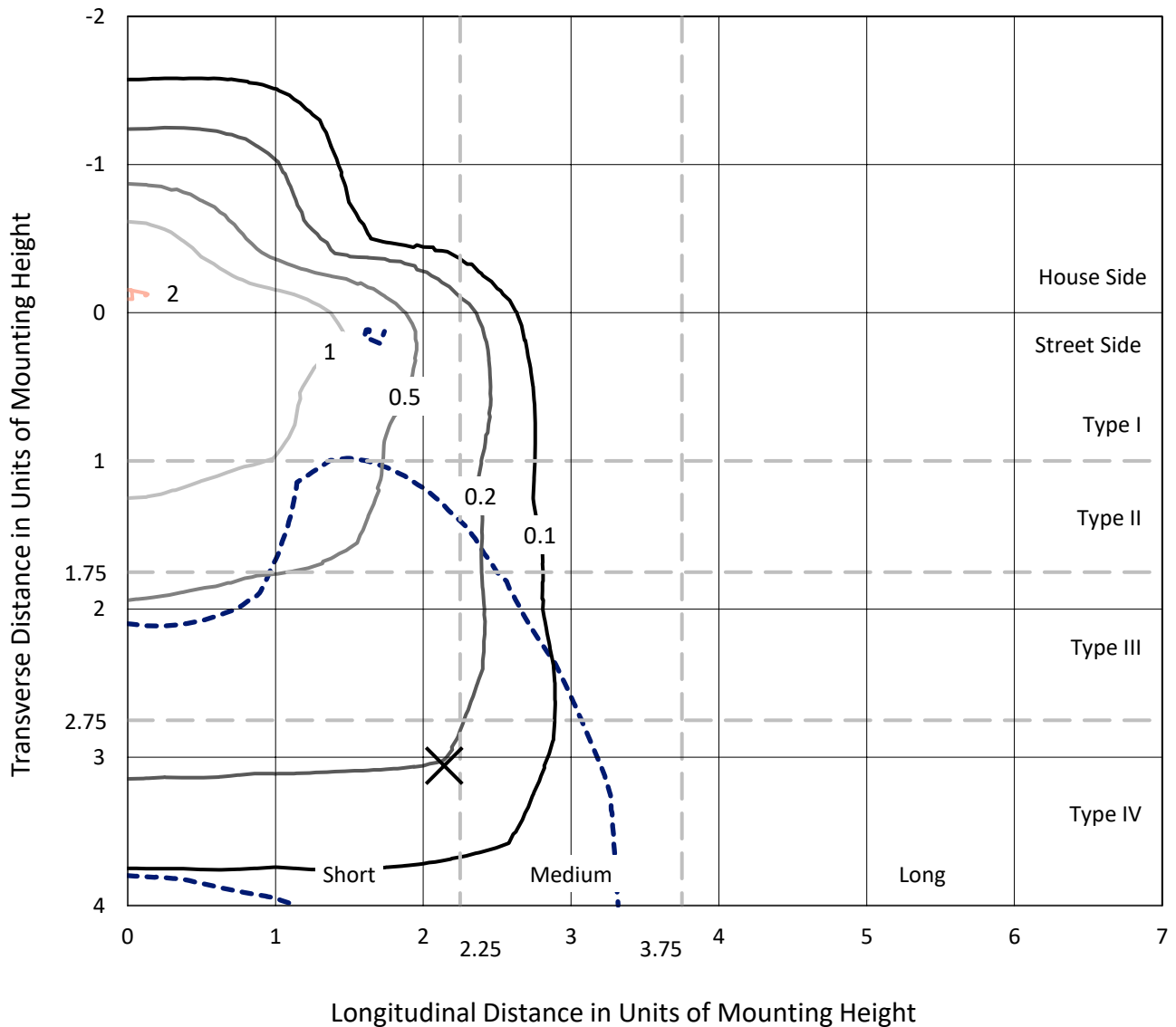
Lumens per Lamp: N/A  
Luminaire Lumens: 8701 lumens  
Efficiency: N/A  
Efficacy: 151.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 57.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

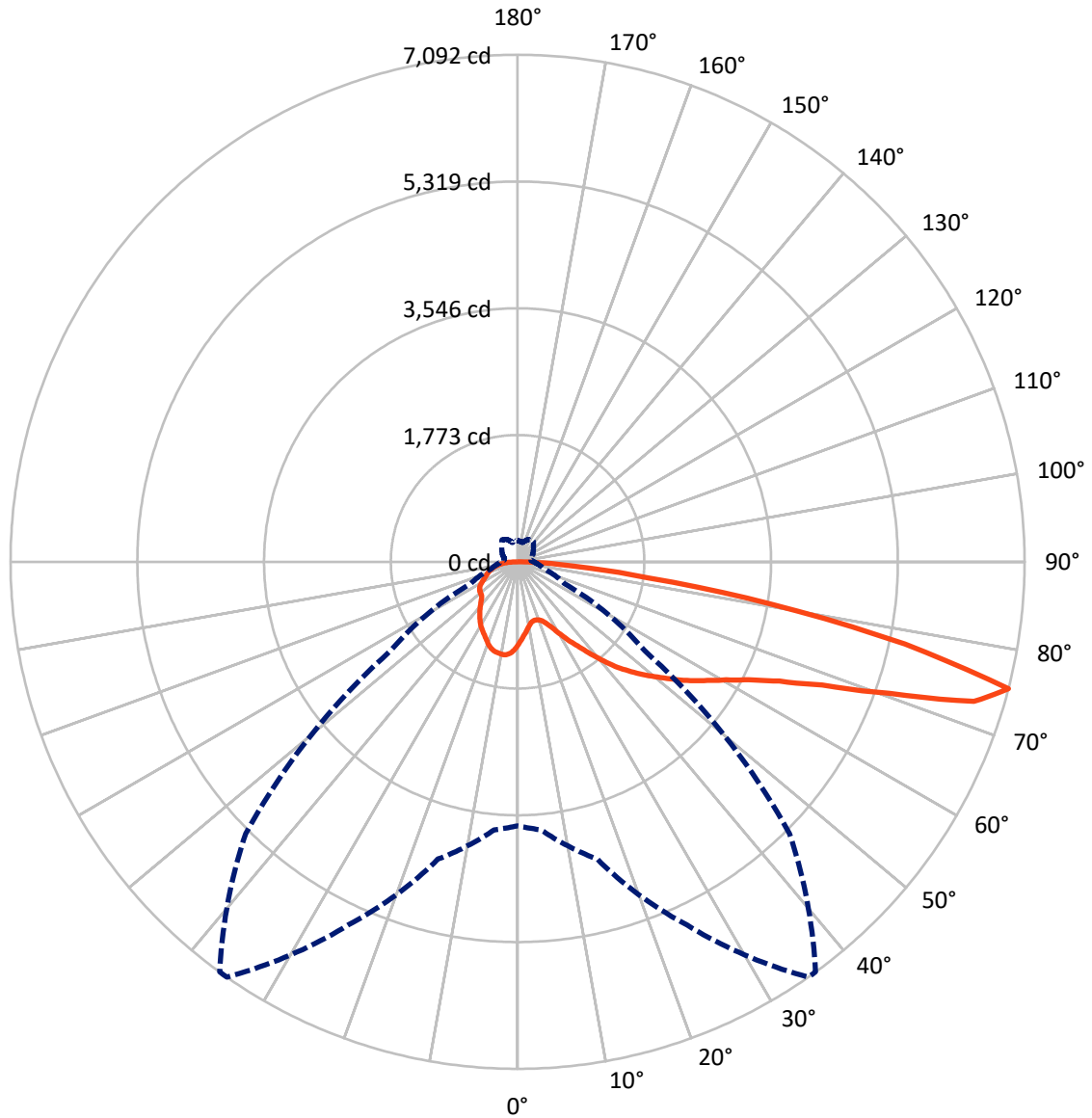
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 75-Deg Vertical

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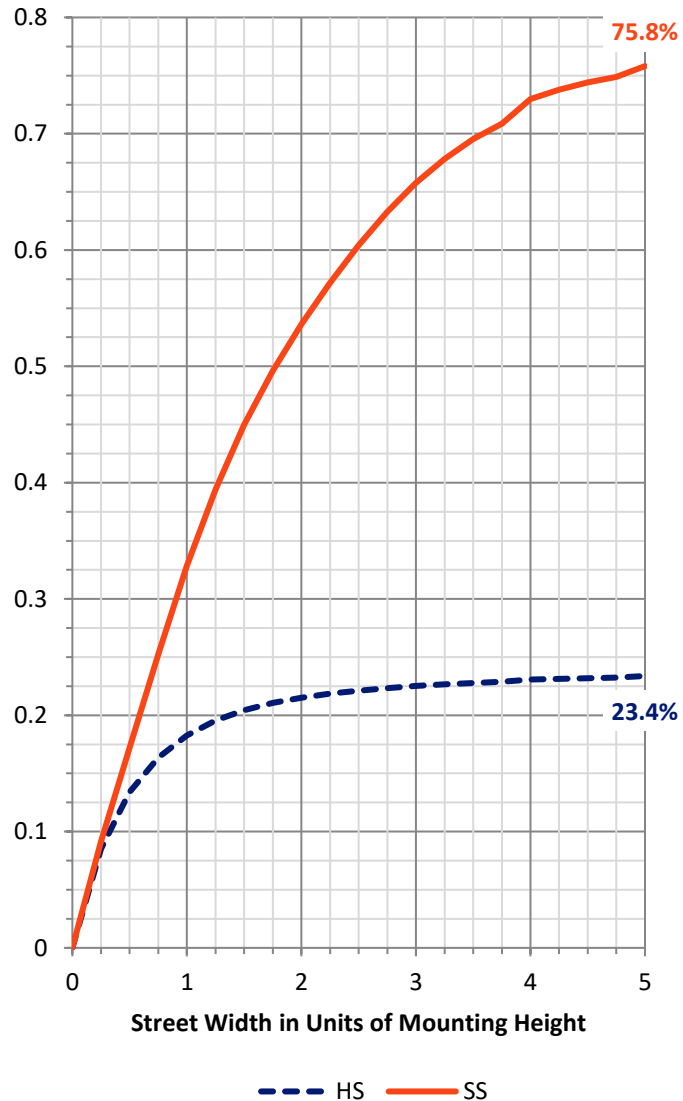
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2070.6	0.0	2070.6
	% Fixture	23.8	0.0	23.8
<b>Street Side</b>	Lumens	6630.4	0.0	6630.4
	% Fixture	76.2	0.0	76.2
<b>Total</b>	Lumens	8701.0	0.0	8701.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	109.8	1.3
10°-20°	316.6	3.6
20°-30°	531.7	6.1
30°-40°	826.4	9.5
40°-50°	1226.6	14.1
50°-60°	1693.4	19.5
60°-70°	2054.4	23.6
70°-80°	1697.8	19.5
80°-90°	244.2	2.8
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°	8701.0	100.0
0°-180°	8701.0	100.0

**Coefficient of Utilization**



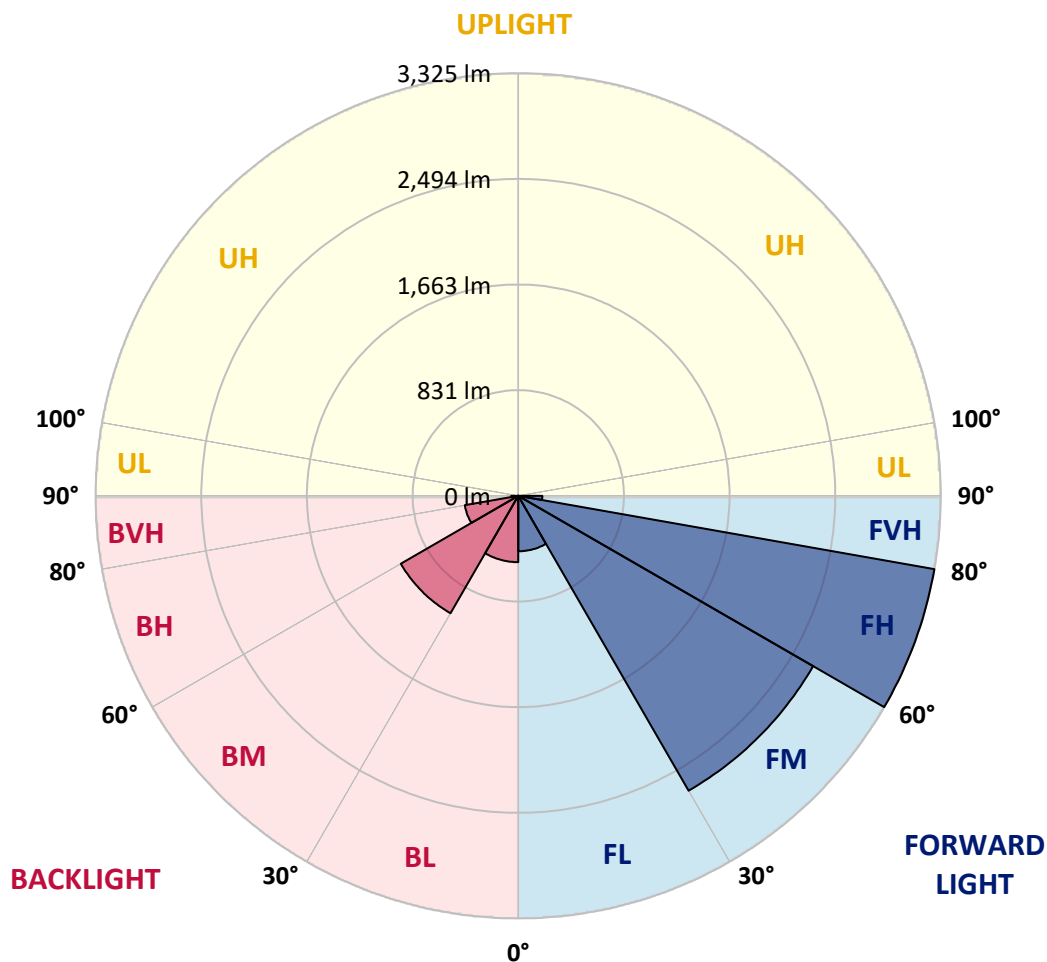
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 CATALOG NUMBER: GLAN-SB2A-735-U-T4FT

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	436.3	5.0			
FM (30°-60°)	2679.4	30.8			
FH (60°-80°)	3325.4	38.2			G2/5000
FVH (80°-90°)	189.2	2.2			G2/225
BL (0°-30°)	521.8	6.0	B2/1000		
BM (30°-60°)	1066.9	12.3	B2/2500		
BH (60°-80°)	426.9	4.9	B1/500		G1/500
BVH (80°-90°)	55.0	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 IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5
2.5°	1069.2	1075.7	1078.6	1077.2	1084.2	1083.3	1093.1	1105.4	1122.3	1138.8
5°	986.8	993.9	1000.0	1005.7	1019.3	1023.5	1039.1	1062.6	1093.6	1125.1
7.5°	910.2	916.3	925.7	936.0	959.1	963.3	989.2	1025.9	1069.2	1115.3
10°	847.6	853.7	863.6	875.4	904.1	909.2	942.2	991.1	1047.5	1105.8
12.5°	820.8	822.7	828.3	840.1	865.0	868.3	904.5	960.5	1026.4	1098.8
15°	819.4	823.2	823.6	829.7	850.4	851.8	885.2	940.7	1013.2	1097.4
17.5°	833.5	836.3	832.1	835.9	853.3	855.6	881.9	931.3	1008.9	1103.5
20°	871.1	873.5	860.8	855.6	868.3	870.2	896.1	937.5	1013.2	1116.2
22.5°	951.1	952.5	921.5	900.3	901.2	902.2	924.8	962.4	1029.6	1139.2
25°	1075.7	1074.8	1025.4	984.5	961.0	955.8	970.8	1002.8	1057.4	1169.8
27.5°	1221.6	1214.5	1165.1	1104.0	1052.7	1045.2	1041.9	1055.5	1096.9	1210.3
30°	1386.2	1379.6	1326.4	1246.5	1175.5	1163.2	1132.2	1125.1	1155.7	1265.3
32.5°	1566.8	1562.6	1499.1	1402.2	1307.2	1293.1	1240.8	1222.0	1246.0	1348.6
35°	1718.3	1714.5	1661.8	1562.1	1445.9	1428.5	1375.4	1354.2	1366.4	1455.3
37.5°	1855.1	1853.3	1808.1	1729.6	1609.6	1588.4	1528.7	1521.7	1519.3	1596.0
40°	1982.1	1977.4	1930.4	1889.0	1800.1	1780.8	1728.1	1722.0	1704.2	1769.1
42.5°	2122.8	2110.6	2042.4	2023.1	1999.1	1983.1	1951.6	1952.5	1913.0	1964.3
45°	2237.6	2230.5	2160.4	2149.1	2175.0	2168.4	2195.7	2202.8	2126.1	2168.9
47.5°	2360.8	2354.2	2294.9	2286.9	2357.0	2358.9	2455.3	2457.7	2334.0	2381.5
50°	2512.7	2503.3	2444.5	2454.4	2533.0	2540.0	2716.4	2700.4	2525.4	2597.4
52.5°	2612.9	2618.6	2605.9	2621.9	2729.1	2735.7	2973.2	2932.3	2715.0	2810.5
55°	2686.8	2698.1	2737.6	2774.3	2936.1	2942.6	3215.5	3152.9	2872.1	3008.0
57.5°	2781.8	2765.8	2839.6	2911.1	3132.7	3150.1	3451.1	3365.5	3011.3	3178.3
60°	2918.2	2906.9	2964.3	3070.1	3352.8	3380.6	3700.4	3557.0	3113.4	3313.3
62.5°	3194.8	3166.5	3175.5	3269.1	3630.3	3667.0	3981.7	3723.9	3164.2	3366.0
65°	3608.2	3559.8	3514.6	3579.5	4021.2	4057.4	4299.2	3855.2	3145.4	3263.9
67.5°	4128.9	4080.9	4025.4	4086.6	4596.9	4625.6	4691.0	3929.0	2997.2	2870.7
70°	4558.4	4540.5	4606.8	4858.5	5516.5	5517.5	5193.4	3867.9	2591.3	2035.3
72.5°	4501.5	4490.6	4840.1	5618.1	6675.5	6650.6	5668.9	3405.0	1745.6	918.2
75°	3692.9	3763.0	4304.4	5604.5	7091.8	7088.5	5377.8	2164.7	722.0	380.5
77.5°	1980.3	2091.3	2794.5	4137.9	5536.3	5619.5	3780.9	757.3	310.0	243.7
80°	645.8	742.7	1113.8	2106.8	3597.4	3581.9	1620.4	297.3	212.1	172.6
82.5°	274.2	285.5	497.7	994.8	1846.2	1817.5	516.0	170.7	149.1	118.1
85°	107.2	119.9	219.7	460.0	799.6	782.2	186.3	84.7	95.5	77.1
87.5°	35.3	42.8	78.6	157.6	248.8	239.9	45.6	29.2	41.4	35.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P852191  
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**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1159.5	0°	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5
1162.8	2.5°	1169.3	1176.9	1185.8	1199.0	1210.3	1219.7	1229.6	1235.7	1238.0	1245.1
1164.6	5°	1177.8	1194.3	1216.4	1238.0	1259.2	1271.9	1283.2	1288.8	1294.0	1297.8
1169.8	7.5°	1191.9	1213.1	1247.9	1276.1	1294.0	1304.3	1311.9	1310.0	1311.9	1312.8
1175.5	10°	1204.2	1233.8	1275.2	1302.0	1315.6	1316.1	1314.2	1307.6	1304.3	1304.8
1183.9	12.5°	1218.7	1251.7	1296.3	1318.9	1322.7	1312.3	1304.3	1293.1	1288.8	1286.9
1196.6	15°	1238.5	1276.1	1319.4	1327.9	1318.5	1305.3	1291.6	1273.3	1263.9	1256.4
1218.3	17.5°	1262.5	1303.9	1337.3	1331.2	1310.9	1289.3	1267.2	1239.4	1220.1	1212.1
1247.9	20°	1295.9	1333.0	1350.9	1324.1	1293.5	1260.6	1223.0	1189.1	1171.2	1163.2
1285.5	22.5°	1336.3	1372.1	1364.1	1311.9	1268.6	1215.9	1168.9	1143.9	1135.0	1129.4
1334.0	25°	1384.8	1415.3	1373.5	1294.0	1227.7	1156.6	1120.4	1112.4	1108.2	1104.0
1393.2	27.5°	1447.8	1464.3	1380.5	1267.7	1163.7	1093.6	1080.4	1081.9	1080.4	1073.4
1475.6	30°	1531.1	1527.8	1387.1	1224.8	1090.3	1036.7	1037.6	1043.8	1044.7	1040.0
1590.3	32.5°	1640.7	1607.3	1390.4	1169.3	1020.2	986.8	987.8	994.4	999.1	991.1
1740.4	35°	1773.3	1699.9	1385.2	1099.7	966.1	939.3	932.3	934.2	935.6	928.0
1922.4	37.5°	1928.1	1803.9	1362.2	1022.6	921.5	892.8	877.7	865.0	857.5	850.4
2128.4	40°	2097.9	1917.2	1319.9	947.3	871.6	843.4	820.8	796.8	771.4	762.0
2346.7	42.5°	2275.7	2033.9	1268.6	875.4	814.2	791.2	767.2	732.4	694.3	675.0
2573.4	45°	2460.0	2153.4	1218.3	804.3	755.4	745.5	717.8	675.9	634.5	610.1
2800.6	47.5°	2640.7	2266.3	1144.4	732.8	700.4	711.2	689.6	651.0	604.9	566.3
3025.9	50°	2813.3	2372.1	1023.5	660.4	655.7	700.9	680.2	624.7	572.0	522.6
3247.0	52.5°	2984.5	2457.7	868.8	594.6	631.7	698.0	667.9	606.8	542.3	490.6
3454.9	55°	3129.9	2501.9	719.7	538.1	596.9	674.0	653.3	585.6	500.5	445.4
3597.4	57.5°	3212.6	2466.2	595.5	482.6	548.9	634.5	628.4	540.5	450.6	408.3
3625.2	60°	3176.9	2321.3	493.9	434.2	503.3	591.7	585.1	495.8	412.5	372.5
3476.5	62.5°	2979.8	2045.2	413.5	391.8	461.9	548.0	541.9	461.4	383.4	344.8
3081.9	65°	2582.8	1663.7	350.9	356.5	420.0	495.3	504.2	432.7	360.3	322.7
2384.3	67.5°	1969.9	1205.1	302.0	326.0	379.1	443.6	469.4	412.0	341.0	305.3
1379.6	70°	1122.8	684.4	260.6	296.3	342.9	395.6	442.6	395.6	320.3	290.7
516.9	72.5°	425.7	314.2	225.3	266.7	308.1	355.1	413.0	369.7	296.3	274.2
267.2	75°	227.2	191.4	189.6	231.9	268.1	315.6	375.8	344.3	278.5	289.7
184.9	77.5°	154.8	135.5	158.5	198.5	224.4	271.9	336.3	305.7	241.3	240.4
127.9	80°	107.2	96.0	128.9	159.9	173.6	228.6	293.5	262.5	196.6	183.4
79.0	82.5°	64.4	62.6	96.4	119.5	122.8	176.4	243.2	220.1	160.9	140.2
47.0	85°	35.3	37.2	61.6	70.1	71.5	123.2	190.5	170.3	123.7	104.0
16.9	87.5°	9.9	12.7	22.6	27.8	34.3	64.0	113.4	101.1	62.1	43.3
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°
1159.5
1244.6
1298.7
1314.2
1305.8
1286.0
1258.7
1212.6
1162.3
1130.3
1104.0
1074.8
1042.3
994.8
933.2
855.1
766.2
677.3
608.2
562.1
518.4
485.0
440.7
402.6
366.9
338.7
316.6
299.6
286.9
270.5
299.2
221.5
175.4
141.1
104.9
43.3
0.0

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