

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: P852169

Luminaire Tested: **GLAN-SB1D-835-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852169
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-SB1D-835-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 3500K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV FORWARD
THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8330 lumens
Efficiency: N/A
Efficacy: 104.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G2

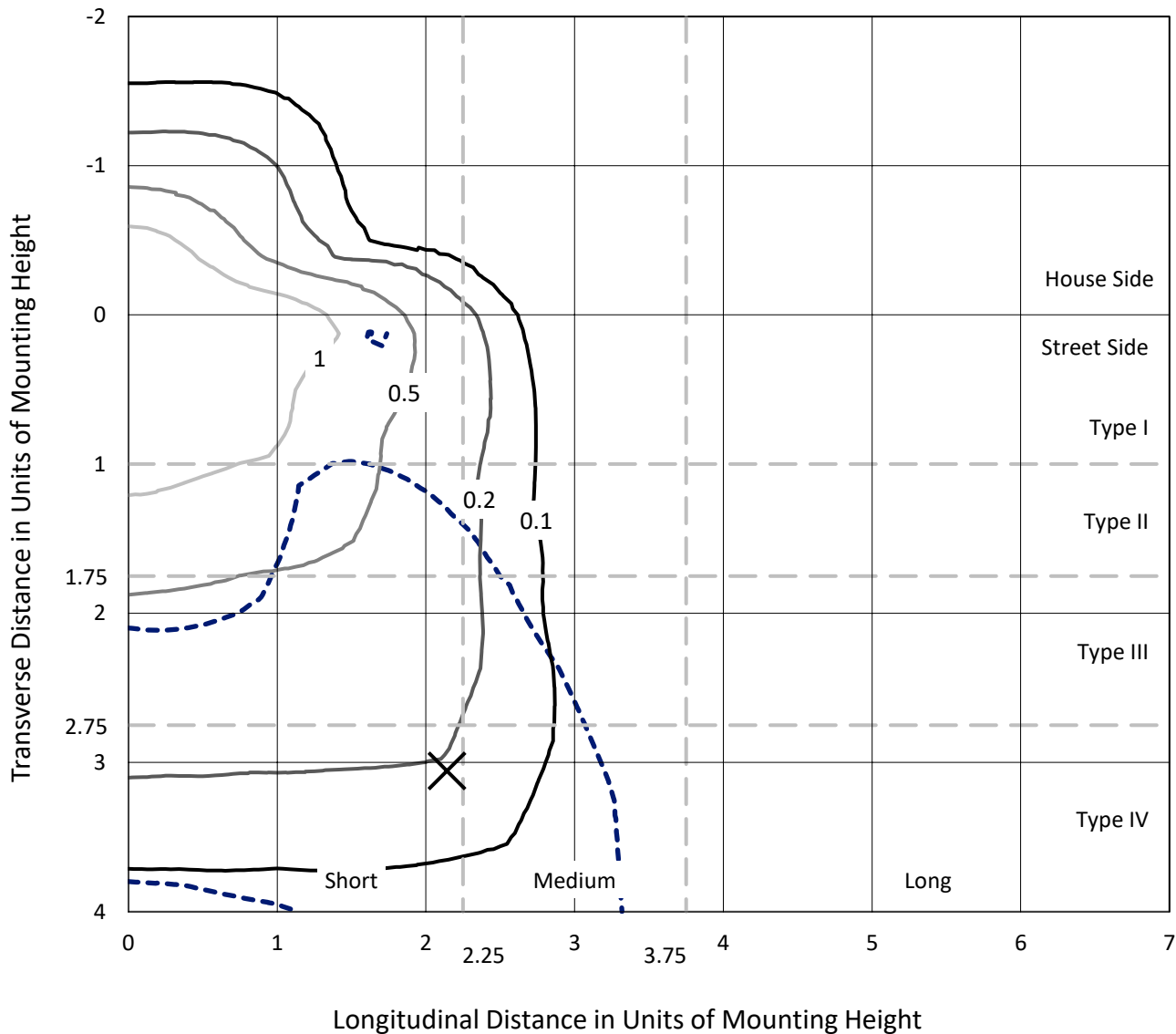
Input Watts (W): 79.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

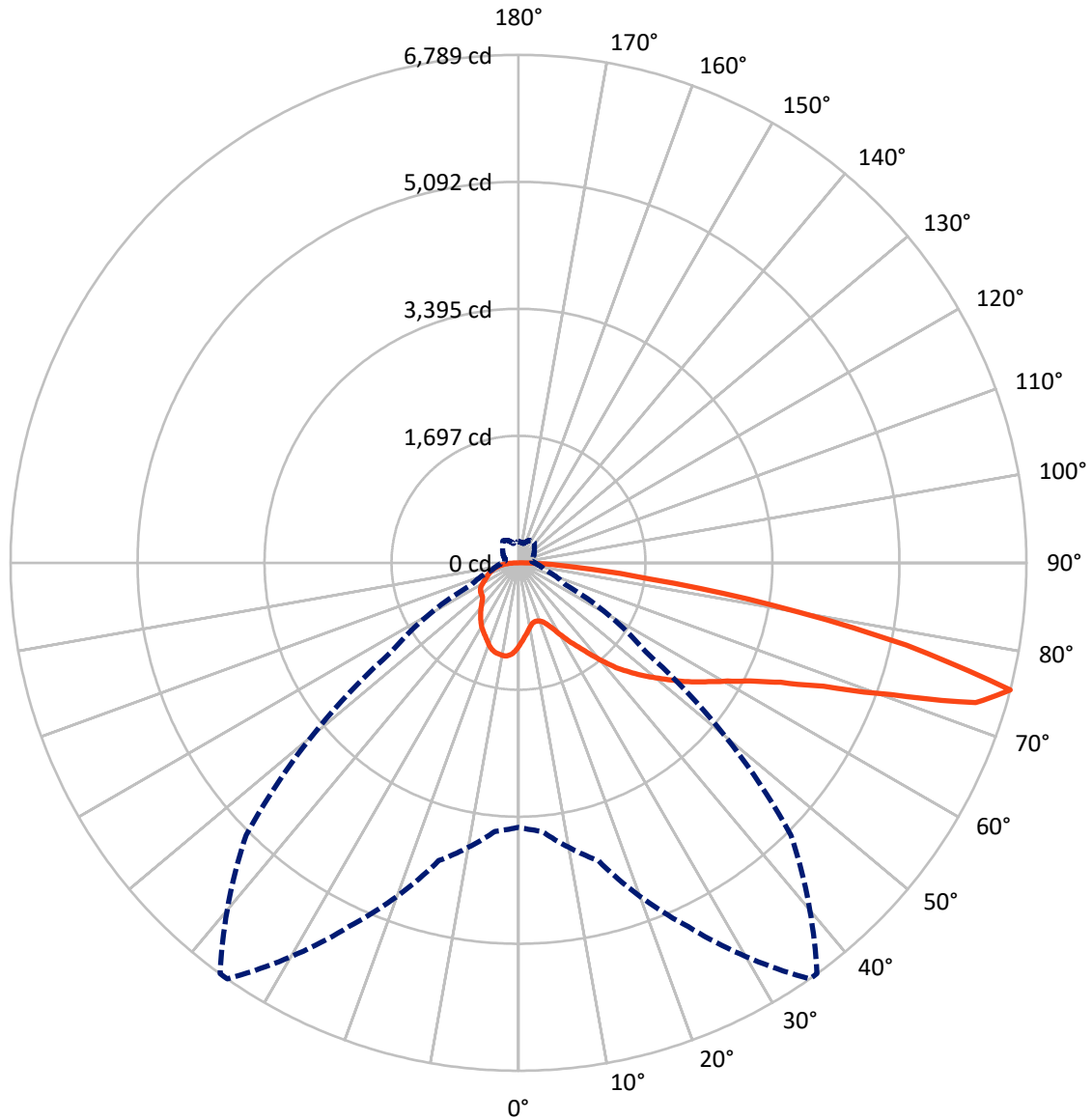
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 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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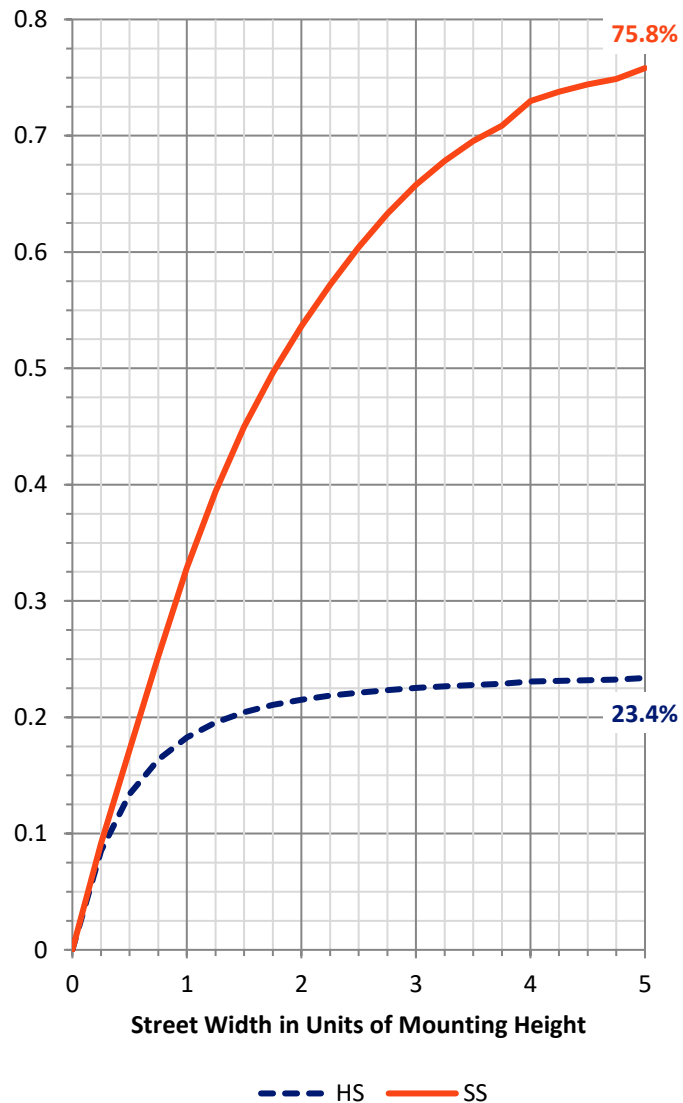
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1982.3	0.0	1982.3
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	6347.7	0.0	6347.7
	% Fixture	76.2	0.0	76.2
Total	Lumens	8330.0	0.0	8330.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.1	1.3
10°-20°	303.1	3.6
20°-30°	509.1	6.1
30°-40°	791.2	9.5
40°-50°	1174.3	14.1
50°-60°	1621.2	19.5
60°-70°	1966.8	23.6
70°-80°	1625.5	19.5
80°-90°	233.8	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°	8330.0	100.0
0°-180°	8330.0	100.0

Coefficient of Utilization



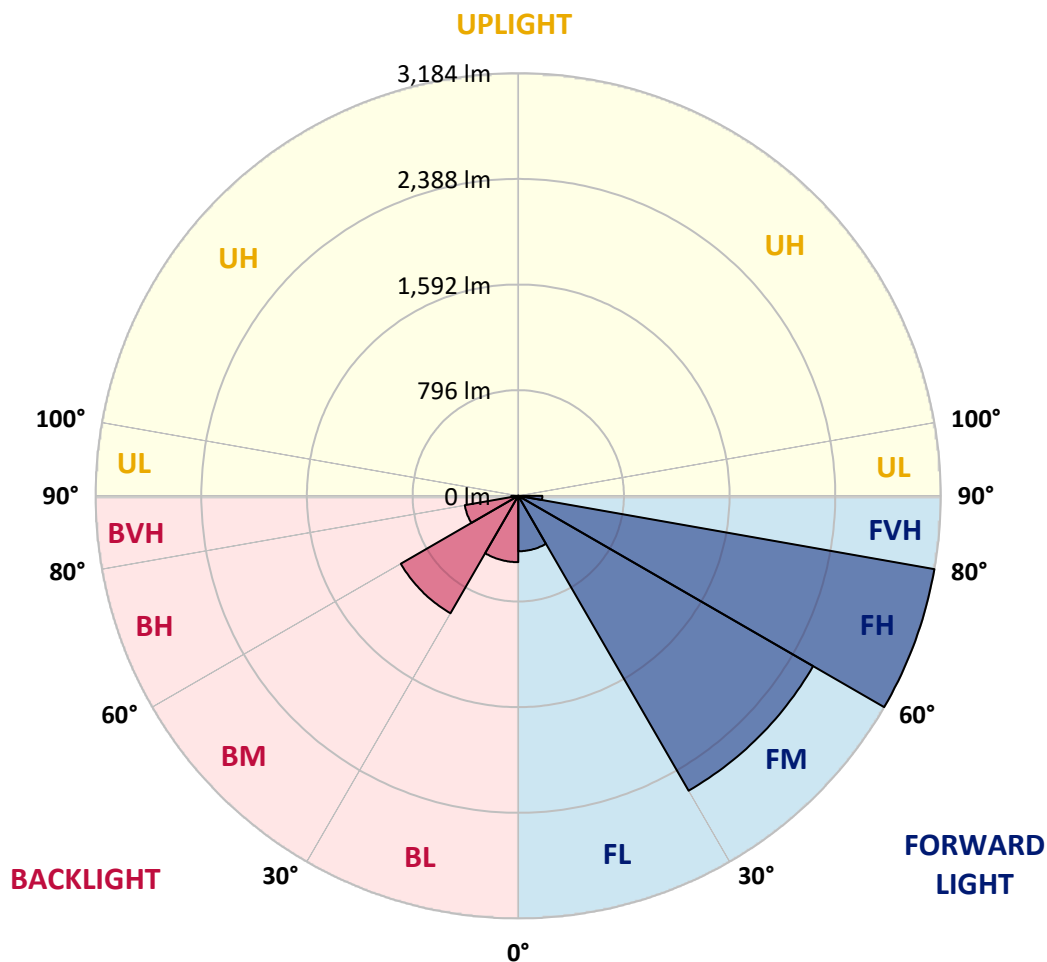
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	417.7	5.0			
FM (30°-60°)	2565.2	30.8			
FH (60°-80°)	3183.6	38.2			G2/5000
FVH (80°-90°)	181.1	2.2			G2/225
BL (0°-30°)	499.6	6.0	B1/500		
BM (30°-60°)	1021.4	12.3	B2/2500		
BH (60°-80°)	408.7	4.9	B1/500		G1/500
BVH (80°-90°)	52.6	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°	1110.0	1110.0	1110.0	1110.0	1110.0	1110.0	1110.0	1110.0	1110.0	1110.0
2.5°	1023.6	1029.9	1032.6	1031.2	1038.0	1037.1	1046.5	1058.2	1074.5	1090.2
5°	944.8	951.5	957.4	962.8	975.8	979.9	994.7	1017.3	1047.0	1077.2
7.5°	871.4	877.2	886.2	896.1	918.2	922.2	947.0	982.1	1023.6	1067.7
10°	811.5	817.3	826.8	838.0	865.5	870.5	902.0	948.8	1002.9	1058.7
12.5°	785.8	787.6	793.0	804.3	828.1	831.3	866.0	919.5	982.6	1051.9
15°	784.5	788.1	788.5	794.4	814.2	815.5	847.5	900.6	970.0	1050.6
17.5°	798.0	800.7	796.6	800.2	816.9	819.1	844.3	891.6	965.9	1056.4
20°	834.0	836.2	824.1	819.1	831.3	833.1	857.9	897.5	970.0	1068.6
22.5°	910.5	911.9	882.2	861.9	862.8	863.7	885.3	921.3	985.7	1090.7
25°	1029.9	1029.0	981.7	942.5	920.0	915.0	929.5	960.1	1012.3	1119.9
27.5°	1169.5	1162.7	1115.4	1056.9	1007.8	1000.6	997.4	1010.5	1050.1	1158.7
30°	1327.1	1320.8	1269.9	1193.3	1125.3	1113.6	1083.9	1077.2	1106.4	1211.3
32.5°	1500.0	1495.9	1435.2	1342.4	1251.4	1237.9	1187.9	1169.9	1192.9	1291.1
35°	1645.0	1641.4	1591.0	1495.5	1384.3	1367.6	1316.7	1296.5	1308.2	1393.3
37.5°	1776.0	1774.2	1731.0	1655.8	1541.0	1520.7	1463.5	1456.8	1454.5	1527.9
40°	1897.6	1893.1	1848.1	1808.5	1723.4	1704.9	1654.5	1648.6	1631.5	1693.6
42.5°	2032.3	2020.6	1955.3	1936.8	1913.8	1898.5	1868.4	1869.3	1831.4	1880.5
45°	2142.2	2135.4	2068.3	2057.5	2082.3	2076.0	2102.1	2108.8	2035.4	2076.4
47.5°	2260.1	2253.8	2197.1	2189.4	2256.5	2258.3	2350.6	2352.9	2234.5	2279.9
50°	2405.6	2396.6	2340.3	2349.7	2425.0	2431.7	2600.6	2585.3	2417.7	2486.6
52.5°	2501.5	2506.9	2494.8	2510.1	2612.7	2619.0	2846.4	2807.3	2599.2	2690.6
55°	2572.2	2583.0	2620.8	2656.0	2810.9	2817.2	3078.4	3018.5	2749.6	2879.8
57.5°	2663.2	2647.9	2718.6	2787.0	2999.1	3015.8	3304.0	3222.0	2882.9	3042.8
60°	2793.8	2783.0	2837.9	2939.2	3209.9	3236.4	3542.6	3405.3	2980.6	3172.0
62.5°	3058.5	3031.5	3040.1	3129.7	3475.5	3510.7	3811.9	3565.2	3029.3	3222.5
65°	3454.4	3408.0	3364.8	3426.9	3849.8	3884.4	4115.9	3690.8	3011.3	3124.7
67.5°	3952.9	3906.9	3853.8	3912.3	4400.9	4428.4	4491.0	3761.5	2869.4	2748.3
70°	4364.0	4346.9	4410.4	4651.3	5281.3	5282.2	4971.9	3702.9	2480.8	1948.5
72.5°	4309.5	4299.2	4633.8	5378.6	6390.9	6367.0	5427.2	3259.8	1671.1	879.0
75°	3535.4	3602.5	4120.8	5365.5	6789.4	6786.3	5148.5	2072.4	691.2	364.3
77.5°	1895.8	2002.1	2675.3	3961.4	5300.2	5379.9	3619.6	725.0	296.8	233.3
80°	618.3	711.0	1066.3	2017.0	3444.0	3429.2	1551.3	284.6	203.1	165.3
82.5°	262.5	273.3	476.4	952.4	1767.5	1740.0	494.0	163.5	142.8	113.0
85°	102.7	114.8	210.3	440.4	765.5	748.9	178.3	81.1	91.4	73.9
87.5°	33.8	41.0	75.2	150.9	238.2	229.7	43.7	27.9	39.6	33.8
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°
1110.0	0°	1110.0	1110.0	1110.0	1110.0	1110.0	1110.0	1110.0	1110.0	1110.0	1110.0
1113.2	2.5°	1119.5	1126.7	1135.2	1147.9	1158.7	1167.7	1177.1	1183.0	1185.2	1192.0
1115.0	5°	1127.6	1143.4	1164.5	1185.2	1205.5	1217.7	1228.5	1233.9	1238.8	1242.4
1119.9	7.5°	1141.1	1161.4	1194.7	1221.7	1238.8	1248.7	1255.9	1254.1	1255.9	1256.8
1125.3	10°	1152.8	1181.2	1220.8	1246.5	1259.5	1260.0	1258.2	1251.9	1248.7	1249.2
1133.4	12.5°	1166.8	1198.3	1241.1	1262.7	1266.3	1256.4	1248.7	1237.9	1233.9	1232.1
1145.6	15°	1185.7	1221.7	1263.1	1271.2	1262.2	1249.6	1236.6	1219.0	1210.0	1202.8
1166.3	17.5°	1208.6	1248.3	1280.2	1274.4	1255.0	1234.3	1213.2	1186.6	1168.1	1160.5
1194.7	20°	1240.6	1276.2	1293.3	1267.6	1238.4	1206.8	1170.8	1138.4	1121.3	1113.6
1230.7	22.5°	1279.3	1313.6	1305.9	1255.9	1214.5	1164.1	1119.0	1095.2	1086.6	1081.2
1277.1	25°	1325.7	1355.0	1314.9	1238.8	1175.3	1107.3	1072.7	1065.0	1060.9	1056.9
1333.8	27.5°	1386.1	1401.8	1321.7	1213.6	1114.1	1047.0	1034.4	1035.7	1034.4	1027.6
1412.6	30°	1465.8	1462.6	1328.0	1172.6	1043.8	992.5	993.4	999.3	1000.2	995.6
1522.5	32.5°	1570.7	1538.7	1331.1	1119.5	976.7	944.8	945.7	952.0	956.5	948.8
1666.2	35°	1697.7	1627.4	1326.2	1052.8	924.9	899.3	892.5	894.3	895.7	888.5
1840.4	37.5°	1845.8	1727.0	1304.1	979.0	882.2	854.7	840.3	828.1	820.9	814.2
2037.7	40°	2008.4	1835.5	1263.6	906.9	834.4	807.4	785.8	762.8	738.5	729.5
2246.6	42.5°	2178.6	1947.2	1214.5	838.0	779.5	757.4	734.5	701.1	664.7	646.2
2463.7	45°	2355.2	2061.5	1166.3	770.0	723.2	713.8	687.2	647.1	607.5	584.1
2681.2	47.5°	2528.1	2169.6	1095.6	701.6	670.5	680.9	660.2	623.2	579.1	542.2
2896.9	50°	2693.3	2270.9	979.9	632.2	627.7	671.0	651.2	598.0	547.6	500.3
3108.5	52.5°	2857.3	2352.9	831.7	569.2	604.8	668.3	639.4	580.9	519.2	469.7
3307.6	55°	2996.4	2395.2	689.0	515.2	571.5	645.3	625.5	560.6	479.1	426.4
3444.0	57.5°	3075.7	2361.0	570.1	462.0	525.5	607.5	601.6	517.4	431.4	390.9
3470.6	60°	3041.4	2222.3	472.8	415.6	481.8	566.5	560.2	474.6	394.9	356.7
3328.3	62.5°	2852.8	1958.0	395.8	375.1	442.2	524.6	518.8	441.8	367.0	330.1
2950.5	65°	2472.7	1592.8	335.9	341.3	402.1	474.2	482.7	414.3	344.9	308.9
2282.7	67.5°	1885.9	1153.7	289.1	312.1	363.0	424.6	449.4	394.5	326.5	292.3
1320.8	70°	1074.9	655.2	249.5	283.7	328.3	378.7	423.7	378.7	306.7	278.3
494.9	72.5°	407.5	300.8	215.7	255.3	295.0	340.0	395.4	353.9	283.7	262.5
255.8	75°	217.5	183.3	181.5	222.0	256.7	302.2	359.8	329.6	266.6	277.4
177.0	77.5°	148.2	129.7	151.8	190.0	214.8	260.3	322.0	292.7	231.0	230.1
122.5	80°	102.7	91.9	123.4	153.1	166.2	218.9	281.0	251.3	188.2	175.6
75.7	82.5°	61.7	59.9	92.3	114.4	117.5	168.9	232.8	210.7	154.0	134.2
45.0	85°	33.8	35.6	59.0	67.1	68.4	118.0	182.4	163.0	118.4	99.5
16.2	87.5°	9.5	12.2	21.6	26.6	32.9	61.2	108.5	96.8	59.4	41.4
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°
1110.0
1191.5
1243.3
1258.2
1250.1
1231.2
1205.0
1160.9
1112.7
1082.1
1056.9
1029.0
997.9
952.4
893.4
818.7
733.6
648.5
582.3
538.1
496.2
464.3
421.9
385.5
351.2
324.2
303.1
286.9
274.7
258.9
286.4
212.1
168.0
135.1
100.4
41.4
0.0

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