

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: P846303

Luminaire Tested: **GLAN-SB1D-840-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846303
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-840-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 4000K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV SPILL LIGHT
ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8974 lumens
Efficiency: N/A
Efficacy: 112.7 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

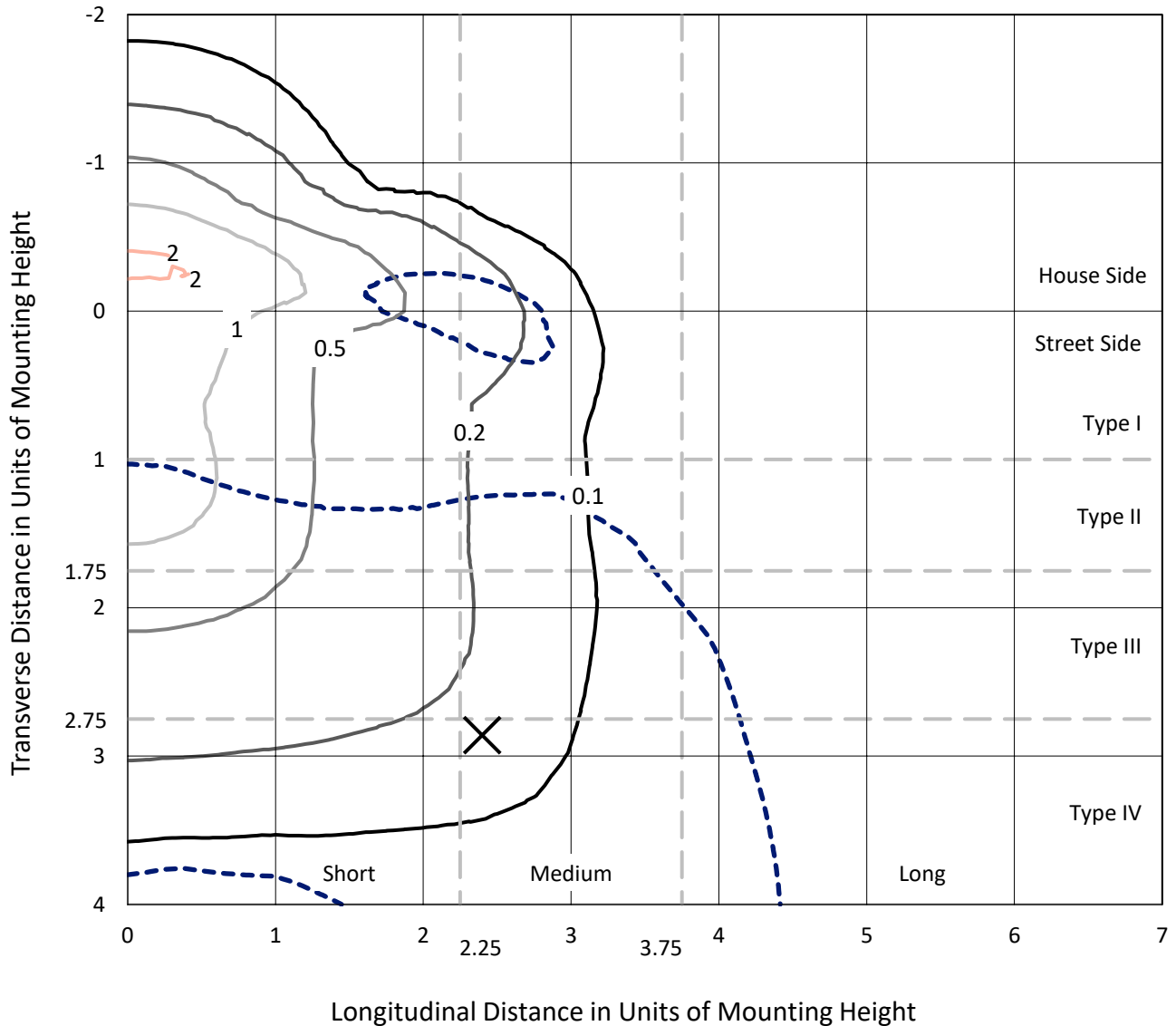
Input Watts (W): 79.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

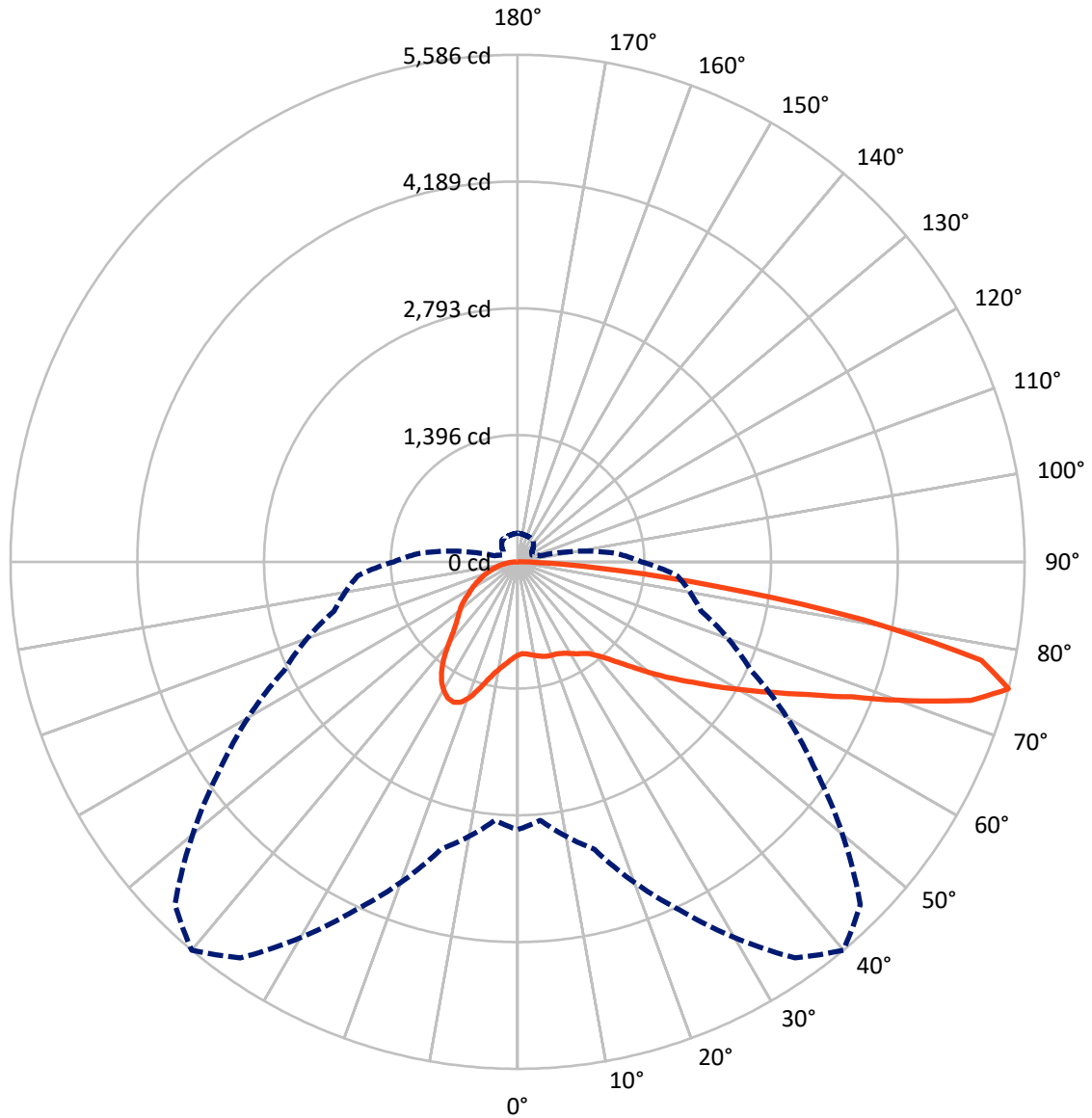
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 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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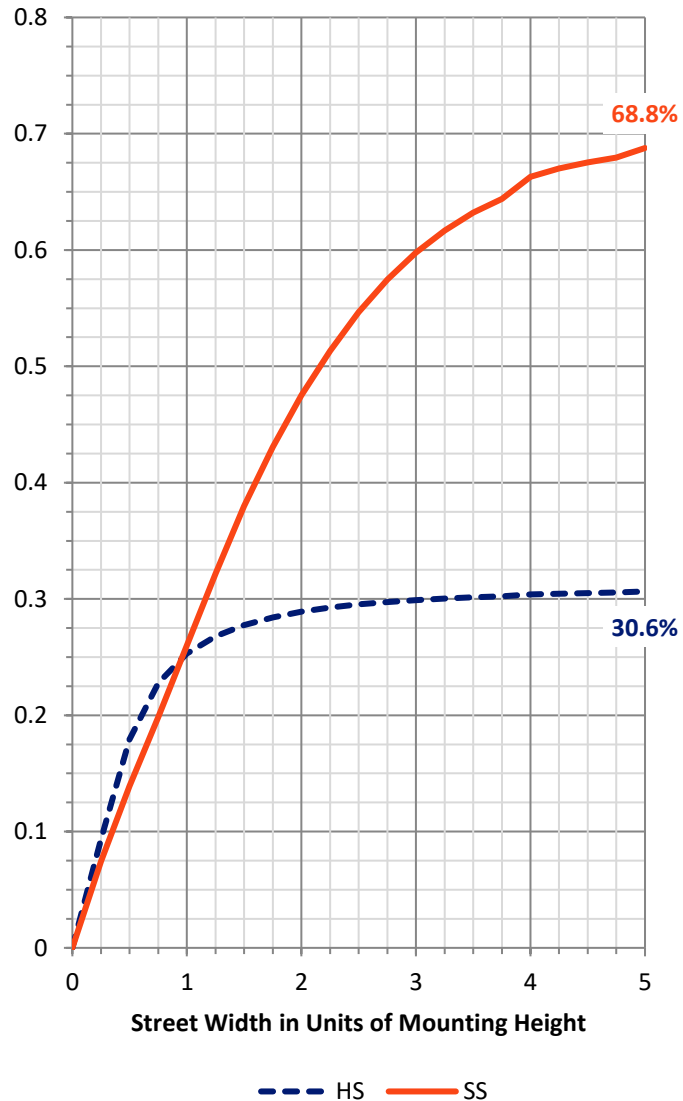
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2780.4	0.0	2780.4
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	6193.6	0.0	6193.6
	% Fixture	69.0	0.0	69.0
Total	Lumens	8974.0	0.0	8974.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.4	1.1
10°-20°	343.9	3.8
20°-30°	628.0	7.0
30°-40°	890.6	9.9
40°-50°	1202.6	13.4
50°-60°	1617.8	18.0
60°-70°	2053.4	22.9
70°-80°	1863.6	20.8
80°-90°	271.7	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°	8974.0	100.0
0°-180°	8974.0	100.0

Coefficient of Utilization

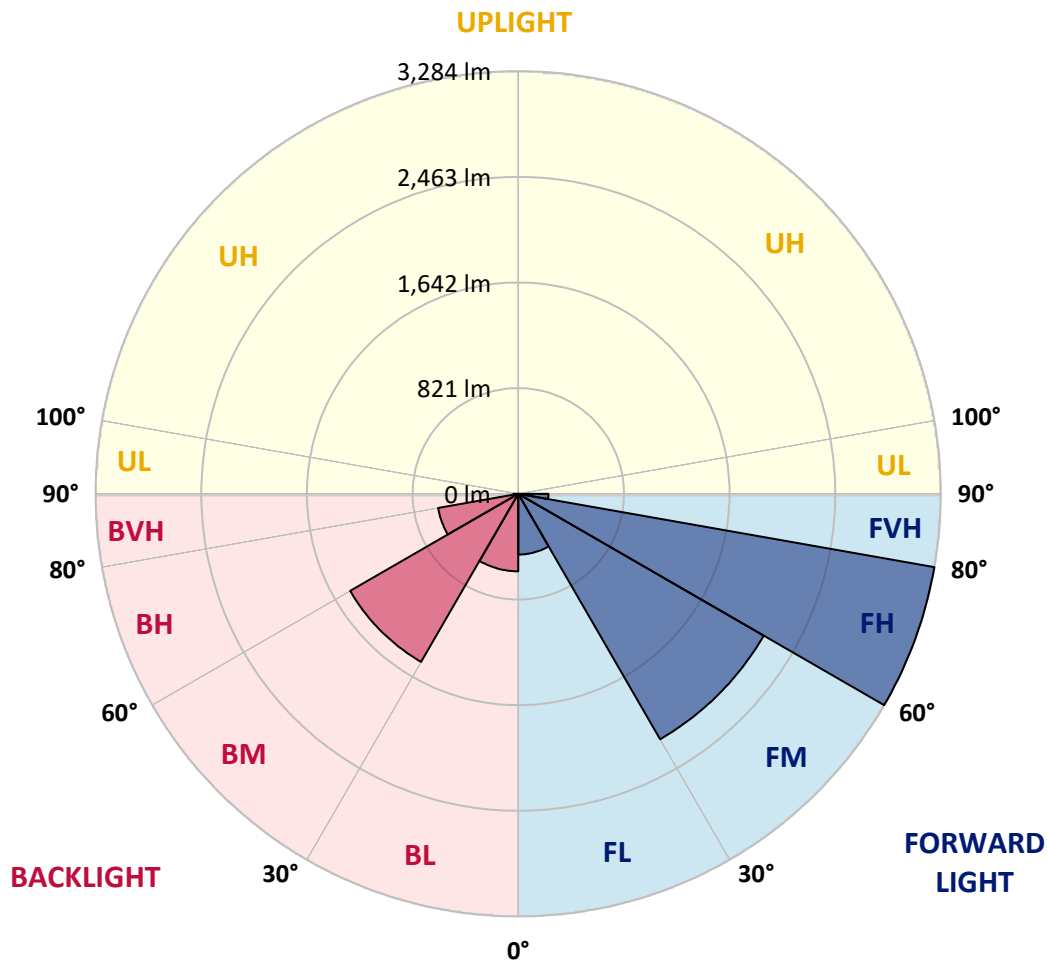


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	472.0	5.3			
FM (30°-60°)	2202.9	24.5			
FH (60°-80°)	3284.3	36.6			G2/5000
FVH (80°-90°)	234.3	2.6			G3/500
BL (0°-30°)	602.3	6.7	B2/1000		
BM (30°-60°)	1508.1	16.8	B2/2500		
BH (60°-80°)	632.6	7.0	B2/1000		G2/1000
BVH (80°-90°)	37.4	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°	1026.2	1026.2	1026.2	1026.2	1026.2	1026.2	1026.2	1026.2	1026.2	1026.2
2.5°	1010.5	1016.2	1014.8	1012.9	1012.9	1013.3	1012.9	1016.2	1019.5	1022.9
5°	1021.0	1026.7	1023.8	1021.4	1019.5	1019.0	1017.6	1017.1	1019.0	1023.3
7.5°	1041.4	1047.1	1042.8	1038.6	1034.8	1032.9	1030.9	1028.1	1026.7	1029.0
10°	1064.3	1070.0	1064.7	1057.1	1050.9	1048.6	1046.7	1043.8	1041.9	1043.3
12.5°	1087.1	1092.8	1085.7	1075.2	1067.1	1065.7	1063.3	1062.4	1061.9	1061.4
15°	1108.5	1113.3	1104.2	1091.9	1083.3	1080.9	1078.5	1080.0	1082.4	1085.2
17.5°	1125.2	1130.0	1116.6	1100.4	1092.3	1091.4	1090.0	1094.7	1101.4	1108.5
20°	1140.4	1145.2	1128.0	1106.2	1096.6	1096.6	1097.1	1107.1	1116.6	1127.1
22.5°	1161.8	1165.6	1144.7	1114.7	1100.9	1101.9	1105.7	1115.7	1127.6	1141.8
25°	1193.7	1196.6	1170.9	1130.9	1115.2	1118.1	1121.4	1126.1	1137.6	1154.2
27.5°	1245.1	1247.5	1213.7	1159.5	1135.7	1140.4	1145.2	1141.8	1147.1	1161.4
30°	1317.5	1318.9	1276.1	1204.2	1170.4	1172.8	1173.7	1159.9	1149.9	1161.4
32.5°	1403.2	1402.7	1351.8	1258.5	1209.9	1207.5	1199.4	1172.3	1149.0	1159.0
35°	1536.0	1530.7	1465.0	1334.6	1254.7	1239.9	1220.9	1186.1	1153.7	1156.6
37.5°	1755.8	1739.7	1648.8	1459.3	1321.3	1283.7	1255.6	1208.5	1164.2	1155.7
40°	2003.8	1983.4	1883.4	1630.2	1421.2	1360.8	1315.6	1240.4	1181.4	1159.9
42.5°	2298.0	2268.9	2161.4	1831.5	1547.9	1460.3	1392.2	1280.8	1206.6	1173.7
45°	2659.2	2620.7	2468.4	2058.6	1707.3	1590.7	1499.8	1342.2	1245.1	1200.4
47.5°	3024.3	3033.8	2817.3	2318.4	1898.6	1751.6	1634.5	1434.6	1301.3	1243.2
50°	3412.2	3418.9	3164.2	2606.4	2115.7	1933.4	1785.8	1537.9	1379.4	1304.2
52.5°	3714.9	3715.9	3479.3	2907.7	2341.8	2133.3	1949.1	1655.9	1469.8	1385.1
55°	3904.4	3902.0	3700.2	3192.8	2601.6	2343.2	2130.0	1790.1	1580.2	1480.3
57.5°	4041.9	4034.8	3852.5	3437.9	2878.7	2591.2	2334.6	1942.4	1710.6	1593.5
60°	4094.3	4090.0	3955.8	3649.7	3170.0	2865.3	2570.7	2112.8	1858.7	1727.3
62.5°	4114.3	4122.4	4057.2	3854.9	3481.7	3169.0	2830.1	2316.5	2025.2	1878.6
65°	4184.7	4199.5	4186.1	4123.3	3833.9	3524.5	3174.2	2558.8	2207.1	2041.0
67.5°	4324.2	4338.9	4344.6	4444.6	4264.2	3967.7	3603.6	2860.6	2419.8	2209.4
70°	4320.8	4316.6	4417.5	4700.2	4803.0	4581.2	4182.3	3231.8	2673.5	2349.4
72.5°	3932.9	3898.7	4137.1	4697.3	5251.4	5221.9	4889.2	3710.7	2892.5	2366.5
75°	2950.5	2859.1	3280.4	4233.3	5326.1	5585.5	5338.5	4007.7	2840.6	2090.9
77.5°	1261.8	1169.9	1666.4	3133.8	4766.8	5221.4	4926.3	3496.5	2267.5	1382.7
80°	330.3	329.8	503.6	1420.8	3241.8	3855.8	3382.7	2258.0	1295.6	494.1
82.5°	136.6	133.3	185.2	552.6	1584.0	2163.8	1765.8	1007.2	467.9	133.7
85°	50.9	50.5	90.0	190.9	558.8	892.4	645.9	257.5	116.6	65.2
87.5°	14.3	13.8	19.5	66.2	136.1	206.6	110.4	42.4	32.8	25.7
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°
1026.2	0°	1026.2	1026.2	1026.2	1026.2	1026.2	1026.2	1026.2	1026.2	1026.2	1026.2
1028.1	2.5°	1029.5	1031.9	1036.2	1039.5	1043.8	1048.6	1055.2	1059.5	1063.8	1066.6
1030.5	5°	1033.8	1039.0	1050.0	1060.9	1073.8	1085.7	1099.5	1109.5	1117.6	1120.0
1039.0	7.5°	1043.3	1051.9	1070.5	1089.0	1109.5	1129.0	1149.0	1166.1	1179.9	1185.2
1054.3	10°	1060.0	1071.4	1097.6	1123.8	1150.9	1180.9	1206.6	1231.3	1250.8	1258.9
1072.4	12.5°	1080.9	1095.2	1129.5	1165.6	1203.2	1244.7	1278.0	1308.4	1332.7	1343.7
1097.6	15°	1108.1	1126.6	1170.4	1219.0	1274.2	1331.8	1374.1	1407.9	1435.0	1448.4
1123.8	17.5°	1137.6	1162.3	1217.5	1290.8	1369.8	1445.5	1495.0	1519.8	1547.9	1560.7
1148.0	20°	1166.1	1196.6	1275.6	1382.2	1487.4	1567.8	1607.8	1614.5	1616.4	1617.8
1170.9	22.5°	1195.6	1236.6	1348.4	1497.4	1610.2	1665.9	1671.6	1643.0	1603.1	1584.5
1193.3	25°	1228.0	1282.3	1443.6	1624.5	1715.9	1722.5	1678.7	1609.3	1533.6	1498.8
1211.3	27.5°	1259.4	1335.1	1557.8	1745.9	1792.0	1733.5	1639.2	1540.7	1449.3	1412.7
1224.2	30°	1290.8	1395.5	1684.0	1852.0	1826.8	1706.3	1576.9	1466.9	1375.1	1336.5
1235.6	32.5°	1322.7	1466.0	1829.1	1928.6	1820.6	1648.8	1499.3	1384.1	1303.2	1262.7
1245.6	35°	1358.9	1552.6	1966.7	1970.5	1779.2	1564.0	1397.0	1285.1	1214.7	1182.3
1257.5	37.5°	1406.0	1662.6	2088.1	1981.0	1706.8	1439.8	1269.9	1168.0	1110.0	1095.2
1275.1	40°	1464.6	1794.9	2180.9	1964.3	1599.7	1288.9	1130.9	1049.5	1016.7	1020.0
1298.9	42.5°	1540.7	1942.9	2246.1	1921.5	1450.8	1133.3	1009.1	972.9	988.6	1001.9
1334.6	45°	1639.7	2096.6	2286.6	1848.7	1282.3	1001.4	937.2	945.8	957.6	959.1
1392.2	47.5°	1766.3	2252.3	2313.2	1738.7	1110.4	908.6	891.5	893.4	891.0	881.0
1478.4	50°	1924.3	2403.6	2337.0	1593.1	964.3	850.6	827.7	821.0	788.2	755.8
1593.1	52.5°	2104.3	2542.6	2347.0	1412.2	850.6	802.0	764.9	723.0	661.6	651.6
1737.3	55°	2304.2	2671.1	2321.3	1189.9	754.9	739.7	683.5	633.0	626.4	617.8
1927.2	57.5°	2543.1	2809.6	2268.9	941.9	656.8	666.8	612.1	617.8	605.9	592.6
2171.4	60°	2804.4	2952.9	2177.1	715.9	555.5	575.9	593.5	593.1	589.7	578.8
2428.9	62.5°	3039.5	3047.2	1996.2	548.3	466.4	505.5	553.6	553.1	550.2	544.0
2697.8	65°	3179.5	3032.9	1694.4	431.7	393.2	447.4	499.3	503.1	503.6	503.1
2900.1	67.5°	3154.7	2865.8	1280.4	343.6	332.7	388.4	445.5	450.7	454.6	455.5
2925.8	70°	2874.9	2498.8	834.8	274.2	278.9	336.5	394.6	399.8	403.1	407.0
2538.8	72.5°	2240.9	1837.2	477.9	221.8	231.8	291.8	344.1	350.3	352.2	359.4
1766.8	75°	1365.6	1080.4	258.0	174.7	190.4	249.4	294.1	301.3	304.6	313.2
867.7	77.5°	649.2	467.9	147.1	136.1	153.3	203.7	248.5	256.5	247.5	252.3
239.4	80°	219.4	173.7	92.8	103.8	117.1	159.0	199.0	207.0	188.0	187.1
79.5	82.5°	76.6	70.4	59.0	69.0	75.7	113.8	150.4	160.9	139.9	139.5
35.7	85°	30.0	28.6	32.8	37.6	45.2	70.0	99.0	104.2	86.2	69.5
10.5	87.5°	6.2	6.7	8.1	8.6	13.8	24.3	35.7	43.8	34.7	29.5
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°
1026.2
1064.7
1120.9
1185.6
1259.4
1343.7
1447.4
1560.2
1621.6
1589.7
1504.1
1417.0
1340.8
1268.0
1189.4
1105.7
1031.4
1014.3
968.6
888.6
760.1
654.9
619.2
590.2
575.0
541.7
503.1
456.5
408.9
362.2
314.1
248.5
185.2
132.8
68.5
27.1
0.0

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