

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: P847343

Luminaire Tested: **GLAN-SB3B-927-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847343
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-SB3B-927-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10785 lumens
Efficiency: N/A
Efficacy: 98.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G3

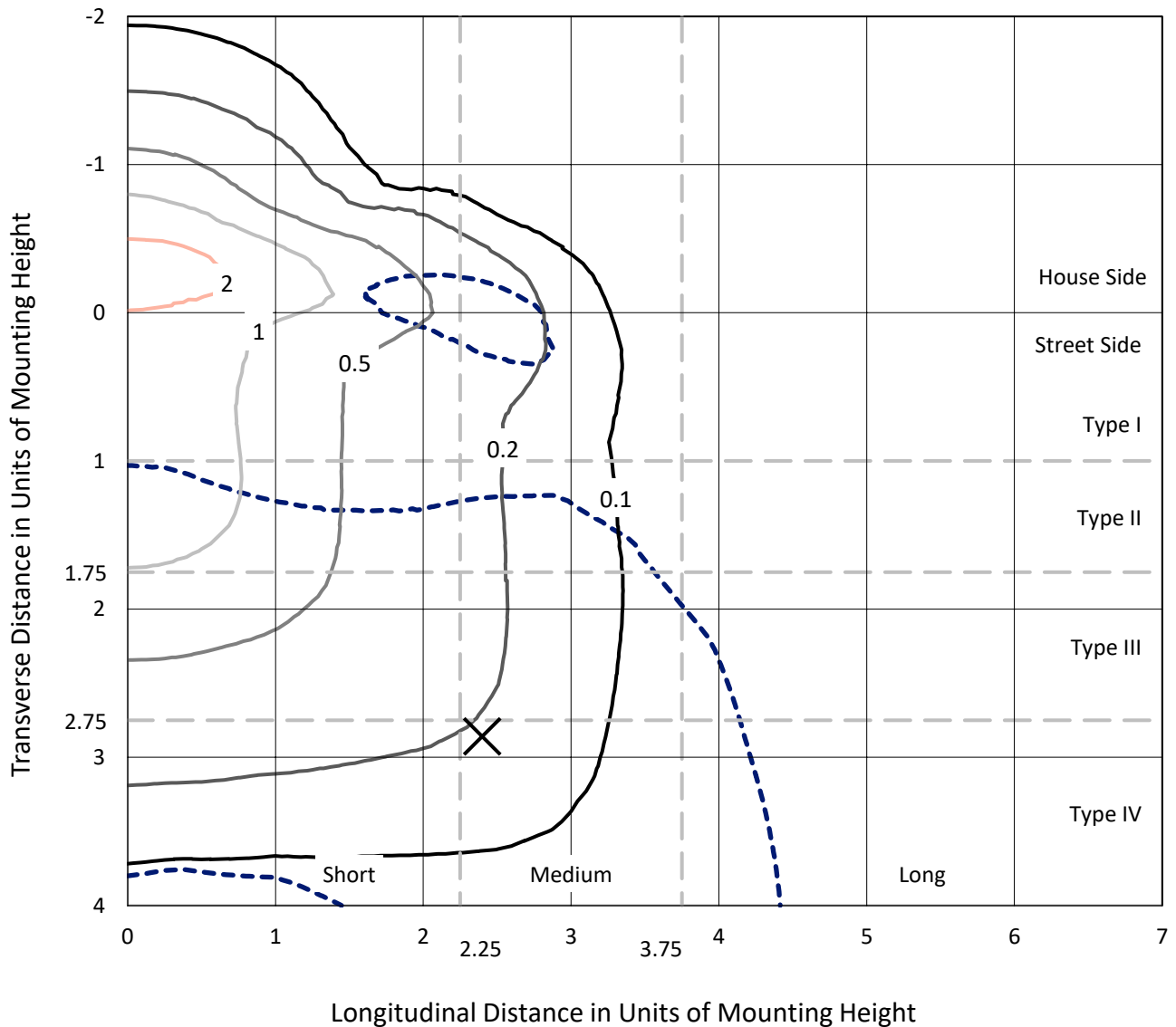
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

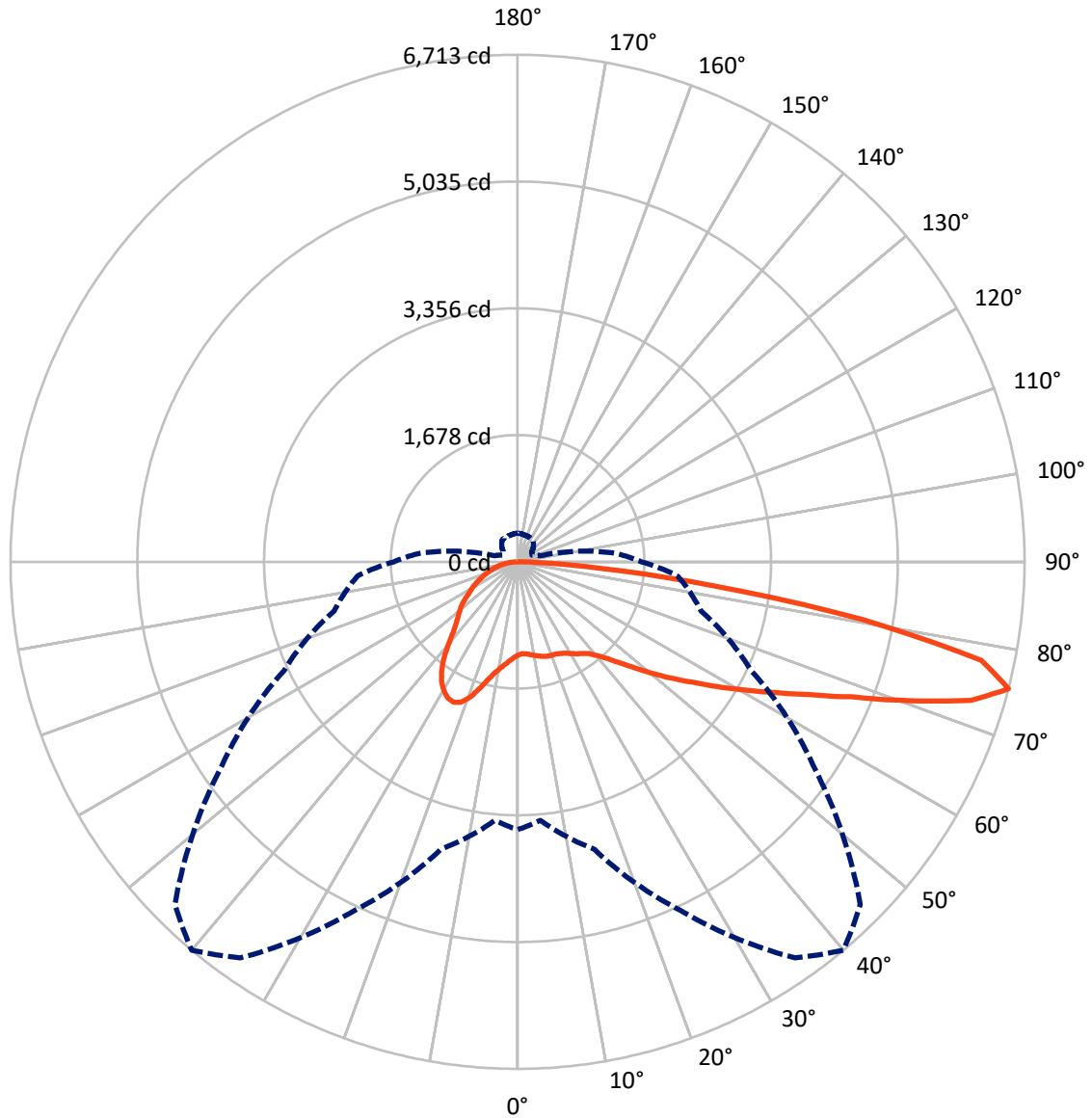
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 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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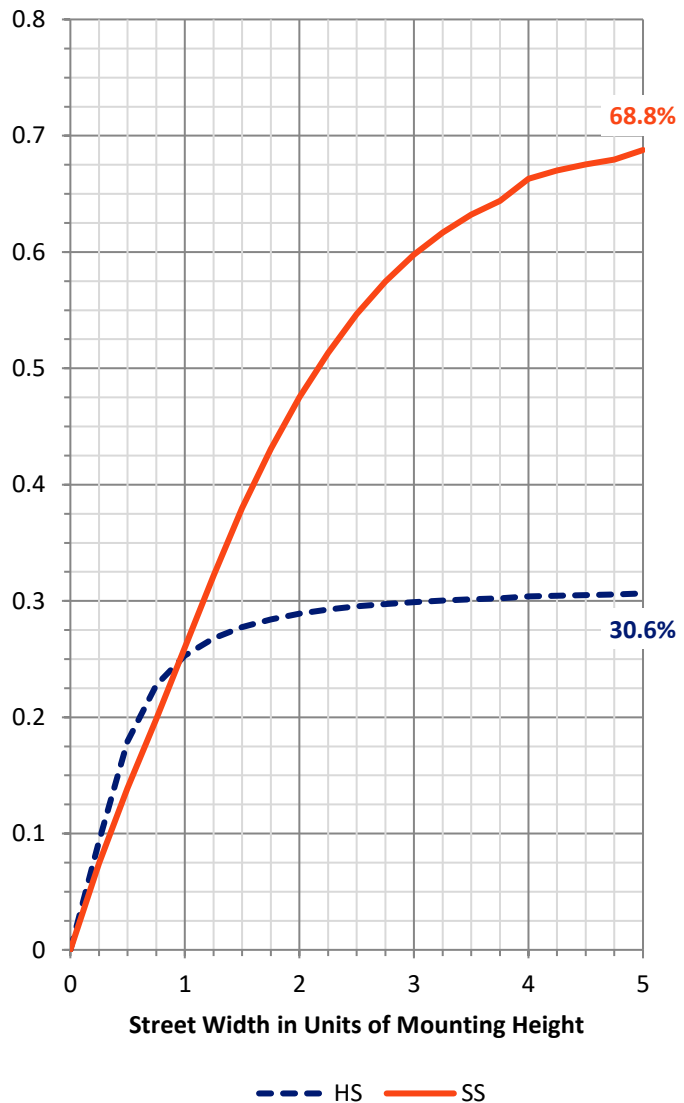
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3341.5	0.0	3341.5
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	7443.4	0.0	7443.4
	% Fixture	69.0	0.0	69.0
Total	Lumens	10785.0	0.0	10785.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.1	1.1
10°-20°	413.3	3.8
20°-30°	754.7	7.0
30°-40°	1070.4	9.9
40°-50°	1445.3	13.4
50°-60°	1944.3	18.0
60°-70°	2467.8	22.9
70°-80°	2239.7	20.8
80°-90°	326.5	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°	10785.0	100.0
0°-180°	10785.0	100.0

Coefficient of Utilization



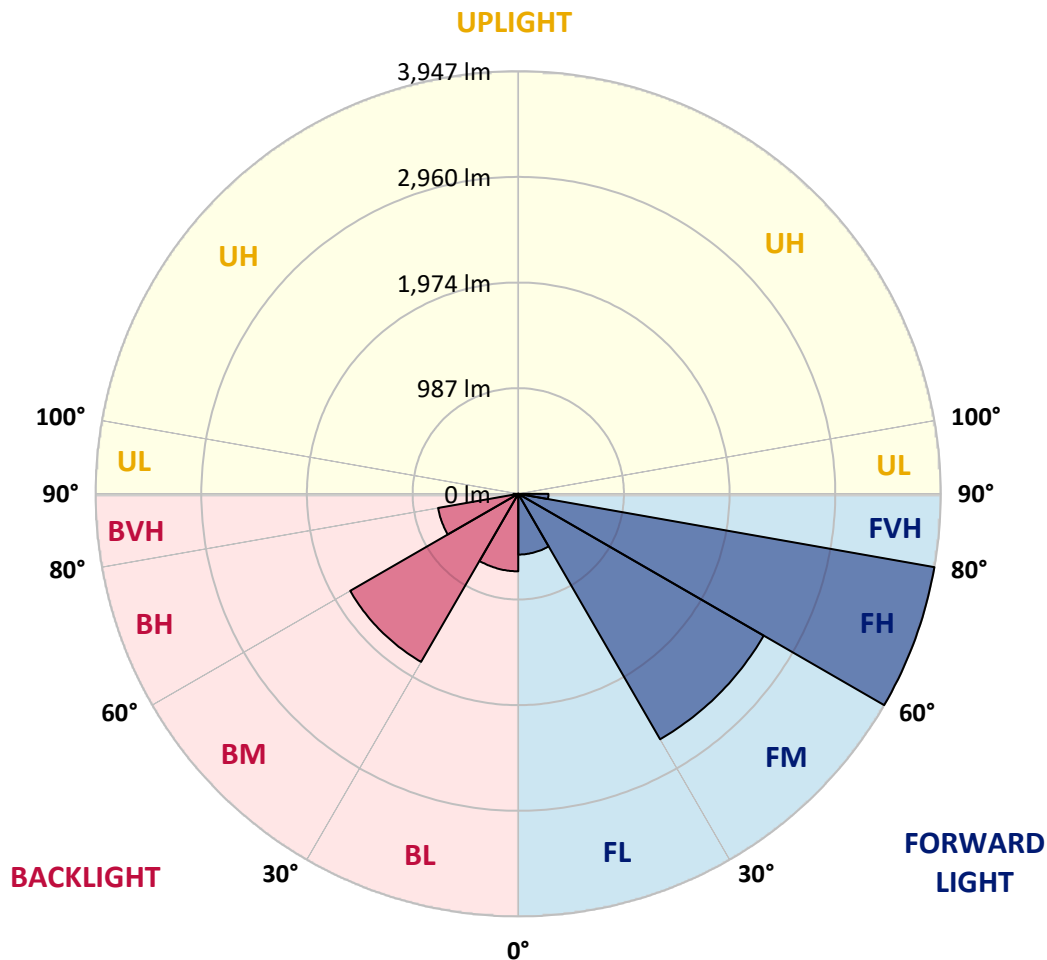
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	567.3	5.3			
FM (30°-60°)	2647.5	24.5			
FH (60°-80°)	3947.1	36.6			G2/5000
FVH (80°-90°)	281.5	2.6			G3/500
BL (0°-30°)	723.8	6.7	B2/1000		
BM (30°-60°)	1812.5	16.8	B2/2500		
BH (60°-80°)	760.3	7.0	B2/1000		G2/1000
BVH (80°-90°)	44.9	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°	1233.3	1233.3	1233.3	1233.3	1233.3	1233.3	1233.3	1233.3	1233.3	1233.3
2.5°	1214.4	1221.3	1219.6	1217.3	1217.3	1217.8	1217.3	1221.3	1225.3	1229.3
5°	1227.0	1233.9	1230.4	1227.6	1225.3	1224.7	1223.0	1222.4	1224.7	1229.8
7.5°	1251.6	1258.4	1253.3	1248.2	1243.6	1241.3	1239.0	1235.6	1233.9	1236.7
10°	1279.0	1285.9	1279.6	1270.5	1263.0	1260.2	1257.9	1254.4	1252.2	1253.9
12.5°	1306.5	1313.4	1304.8	1292.2	1282.5	1280.8	1277.9	1276.8	1276.2	1275.6
15°	1332.2	1338.0	1327.1	1312.2	1301.9	1299.1	1296.2	1297.9	1300.8	1304.2
17.5°	1352.3	1358.0	1342.0	1322.5	1312.8	1311.6	1309.9	1315.7	1323.7	1332.2
20°	1370.6	1376.3	1355.7	1329.4	1317.9	1317.9	1318.5	1330.5	1342.0	1354.5
22.5°	1396.3	1400.9	1375.7	1339.7	1323.1	1324.2	1328.8	1340.8	1355.1	1372.3
25°	1434.6	1438.1	1407.2	1359.1	1340.2	1343.7	1347.7	1353.4	1367.1	1387.2
27.5°	1496.4	1499.3	1458.7	1393.4	1364.8	1370.6	1376.3	1372.3	1378.6	1395.7
30°	1583.4	1585.1	1533.6	1447.2	1406.6	1409.5	1410.6	1394.0	1382.0	1395.7
32.5°	1686.3	1685.7	1624.5	1512.4	1454.1	1451.2	1441.5	1408.9	1380.9	1392.9
35°	1845.9	1839.6	1760.7	1603.9	1507.8	1490.1	1467.2	1425.5	1386.6	1390.0
37.5°	2110.2	2090.7	1981.5	1753.8	1587.9	1542.7	1509.0	1452.4	1399.2	1388.9
40°	2408.2	2383.6	2263.5	1959.2	1708.1	1635.4	1581.1	1490.7	1419.8	1394.0
42.5°	2761.7	2726.8	2597.6	2201.1	1860.2	1755.0	1673.2	1539.3	1450.1	1410.6
45°	3195.9	3149.6	2966.5	2474.0	2051.8	1911.7	1802.4	1613.1	1496.4	1442.6
47.5°	3634.6	3646.1	3385.8	2786.3	2281.8	2105.0	1964.3	1724.1	1563.9	1494.1
50°	4100.8	4108.8	3802.8	3132.4	2542.6	2323.6	2146.2	1848.2	1657.7	1567.3
52.5°	4464.6	4465.8	4181.5	3494.5	2814.3	2563.8	2342.4	1990.1	1766.4	1664.6
55°	4692.3	4689.4	4446.9	3837.1	3126.7	2816.1	2559.8	2151.4	1899.1	1779.0
57.5°	4857.6	4849.0	4629.9	4131.7	3459.6	3114.1	2805.8	2334.4	2055.8	1915.1
60°	4920.5	4915.4	4754.1	4386.3	3809.7	3443.6	3089.5	2539.2	2233.7	2075.9
62.5°	4944.6	4954.3	4875.9	4632.8	4184.3	3808.5	3401.2	2784.0	2434.0	2257.8
65°	5029.2	5046.9	5030.9	4955.4	4607.6	4235.8	3814.8	3075.2	2652.5	2452.8
67.5°	5196.8	5214.6	5221.4	5341.5	5124.7	4768.4	4330.8	3437.9	2908.2	2655.3
70°	5192.8	5187.7	5308.9	5648.7	5772.3	5505.7	5026.4	3884.0	3213.0	2823.5
72.5°	4726.6	4685.4	4972.0	5645.3	6311.1	6275.7	5875.8	4459.5	3476.2	2844.1
75°	3546.0	3436.1	3942.4	5087.6	6400.9	6712.7	6415.8	4816.4	3413.8	2512.9
77.5°	1516.4	1406.0	2002.6	3766.2	5728.8	6275.1	5920.4	4202.1	2725.1	1661.7
80°	397.0	396.4	605.2	1707.5	3896.0	4633.9	4065.4	2713.7	1557.0	593.8
82.5°	164.2	160.2	222.5	664.1	1903.7	2600.4	2122.2	1210.4	562.3	160.7
85°	61.2	60.6	108.1	229.4	671.6	1072.5	776.2	309.5	140.1	78.4
87.5°	17.2	16.6	23.5	79.5	163.6	248.3	132.7	50.9	39.5	30.9
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°
1233.3	0°	1233.3	1233.3	1233.3	1233.3	1233.3	1233.3	1233.3	1233.3	1233.3	1233.3
1235.6	2.5°	1237.3	1240.1	1245.3	1249.3	1254.4	1260.2	1268.2	1273.3	1278.5	1281.9
1238.4	5°	1242.4	1248.7	1261.9	1275.0	1290.5	1304.8	1321.4	1333.4	1343.1	1346.0
1248.7	7.5°	1253.9	1264.2	1286.5	1308.8	1333.4	1356.8	1380.9	1401.5	1418.0	1424.3
1267.0	10°	1273.9	1287.6	1319.1	1350.5	1383.1	1419.2	1450.1	1479.8	1503.3	1513.0
1288.8	12.5°	1299.1	1316.2	1357.4	1400.9	1446.1	1495.8	1535.9	1572.5	1601.7	1614.8
1319.1	15°	1331.7	1354.0	1406.6	1464.9	1531.3	1600.5	1651.4	1692.0	1724.6	1740.7
1350.5	17.5°	1367.1	1396.9	1463.2	1551.3	1646.3	1737.2	1796.7	1826.5	1860.2	1875.7
1379.7	20°	1401.5	1438.1	1533.0	1661.2	1787.6	1884.2	1932.3	1940.3	1942.6	1944.3
1407.2	22.5°	1436.9	1486.1	1620.5	1799.6	1935.1	2002.1	2008.9	1974.6	1926.6	1904.3
1434.1	25°	1475.8	1541.0	1734.9	1952.3	2062.1	2070.1	2017.5	1934.0	1843.1	1801.3
1455.8	27.5°	1513.6	1604.5	1872.2	2098.2	2153.7	2083.3	1970.0	1851.6	1741.8	1697.8
1471.2	30°	1551.3	1677.2	2023.8	2225.7	2195.4	2050.7	1895.1	1763.0	1652.6	1606.2
1485.0	32.5°	1589.6	1761.8	2198.3	2317.8	2188.0	1981.5	1801.9	1663.4	1566.2	1517.6
1497.0	35°	1633.1	1865.9	2363.6	2368.2	2138.2	1879.7	1678.9	1544.5	1459.8	1420.9
1511.3	37.5°	1689.8	1998.1	2509.5	2380.8	2051.3	1730.4	1526.2	1403.7	1334.0	1316.2
1532.4	40°	1760.1	2157.1	2621.0	2360.7	1922.6	1549.0	1359.1	1261.3	1221.8	1225.8
1561.0	42.5°	1851.6	2335.0	2699.4	2309.3	1743.5	1362.0	1212.7	1169.2	1188.1	1204.1
1603.9	45°	1970.6	2519.8	2748.0	2221.7	1541.0	1203.5	1126.3	1136.6	1150.9	1152.6
1673.2	47.5°	2122.8	2706.8	2780.0	2089.6	1334.5	1092.0	1071.4	1073.7	1070.8	1058.8
1776.7	50°	2312.7	2888.7	2808.6	1914.6	1158.9	1022.2	994.7	986.7	947.3	908.4
1914.6	52.5°	2528.9	3055.7	2820.6	1697.2	1022.2	963.9	919.2	868.9	795.1	783.1
2087.9	55°	2769.2	3210.2	2789.8	1430.1	907.2	888.9	821.4	760.8	752.8	742.5
2316.1	57.5°	3056.3	3376.6	2726.8	1132.0	789.4	801.4	735.6	742.5	728.2	712.2
2609.6	60°	3370.4	3548.8	2616.4	860.3	667.5	692.1	713.3	712.7	708.7	695.6
2919.0	62.5°	3652.9	3662.1	2399.1	659.0	560.6	607.5	665.3	664.7	661.3	653.8
3242.2	65°	3821.1	3644.9	2036.4	518.8	472.5	537.7	600.1	604.6	605.2	604.6
3485.3	67.5°	3791.4	3444.1	1538.7	413.0	399.8	466.8	535.4	541.7	546.3	547.4
3516.2	70°	3455.0	3003.1	1003.3	329.5	335.2	404.4	474.2	480.5	484.5	489.1
3051.2	72.5°	2693.1	2208.0	574.3	266.6	278.6	350.6	413.6	421.0	423.3	431.9
2123.3	75°	1641.1	1298.5	310.0	209.9	228.8	299.7	353.5	362.1	366.1	376.4
1042.8	77.5°	780.2	562.3	176.8	163.6	184.2	244.8	298.6	308.3	297.5	303.2
287.7	80°	263.7	208.8	111.5	124.7	140.7	191.1	239.1	248.8	225.9	224.8
95.5	82.5°	92.1	84.7	70.9	82.9	91.0	136.7	180.8	193.3	168.2	167.6
42.9	85°	36.0	34.3	39.5	45.2	54.3	84.1	119.0	125.3	103.5	83.5
12.6	87.5°	7.4	8.0	9.7	10.3	16.6	29.2	42.9	52.6	41.8	35.5
0.0	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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180°
1233.3
1279.6
1347.1
1424.9
1513.6
1614.8
1739.5
1875.1
1948.9
1910.6
1807.6
1702.9
1611.4
1523.9
1429.5
1328.8
1239.6
1219.0
1164.1
1068.0
913.5
787.1
744.2
709.3
691.0
651.0
604.6
548.6
491.4
435.3
377.5
298.6
222.5
159.6
82.4
32.6
0.0

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