

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: P847053

Luminaire Tested: **GLAN-SB3A-722-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847053
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-SB3A-722-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10433 lumens
Efficiency: N/A
Efficacy: 123.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G3

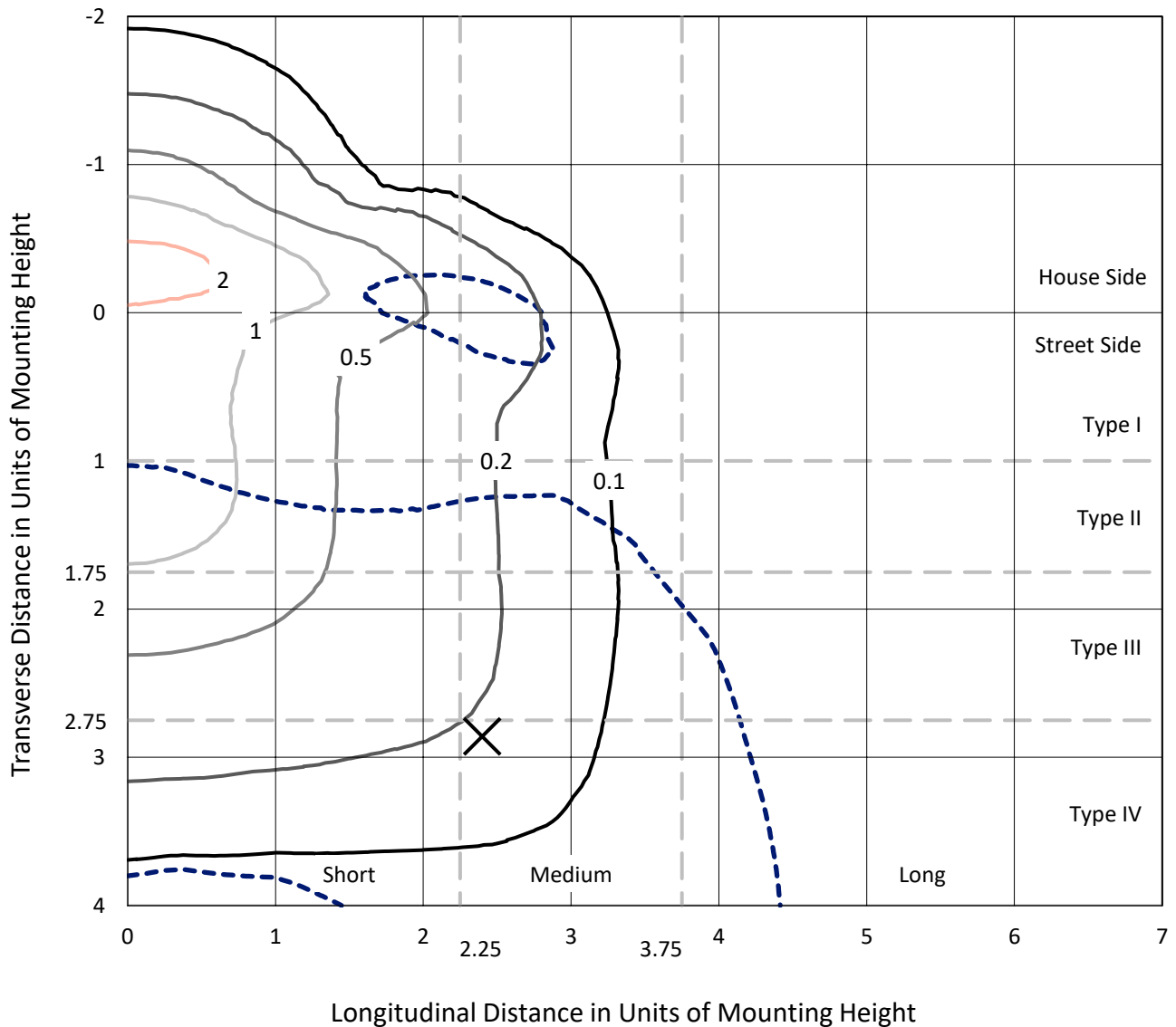
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

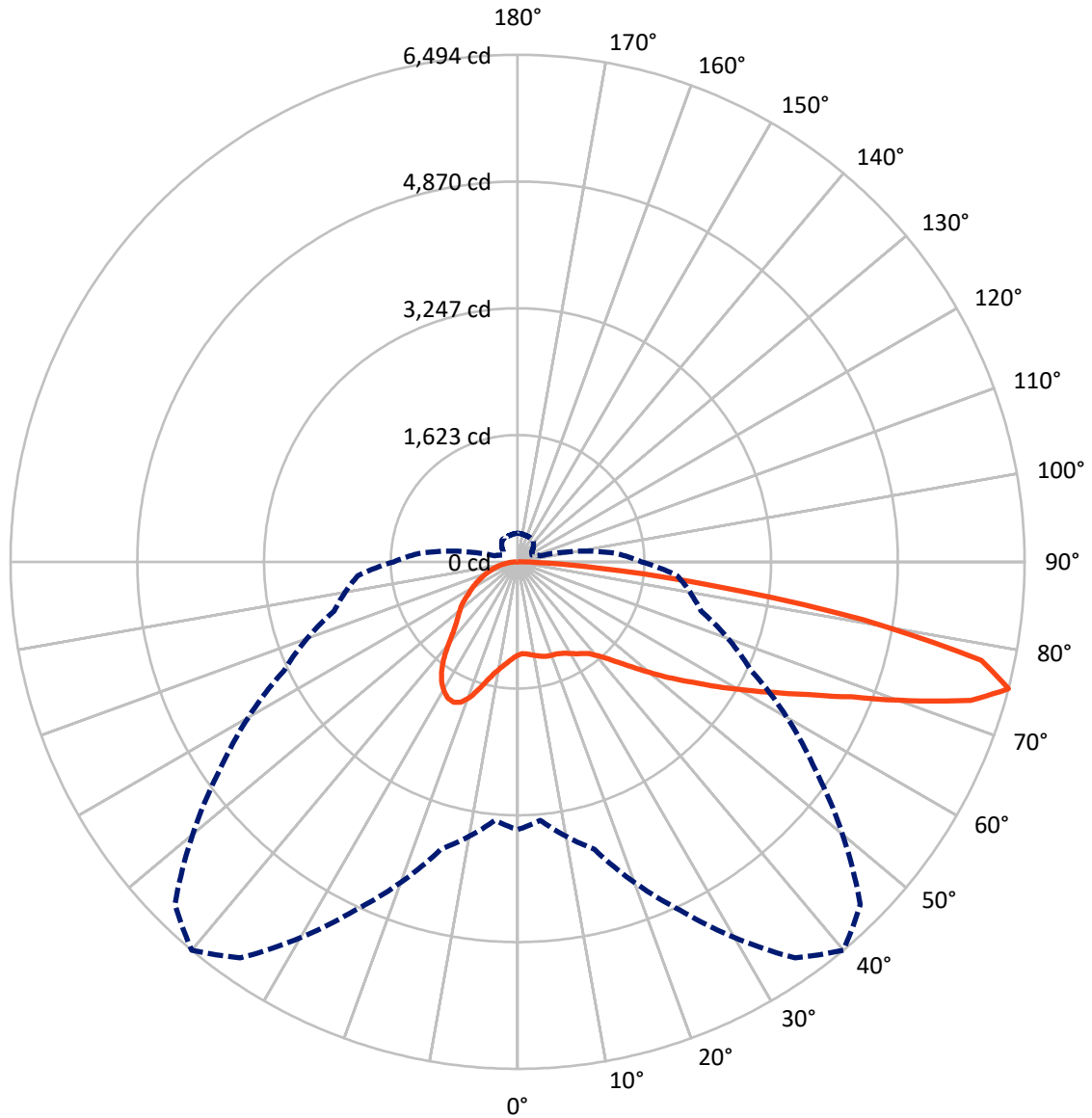
× Max cd
 - - - 1/2 Max cd



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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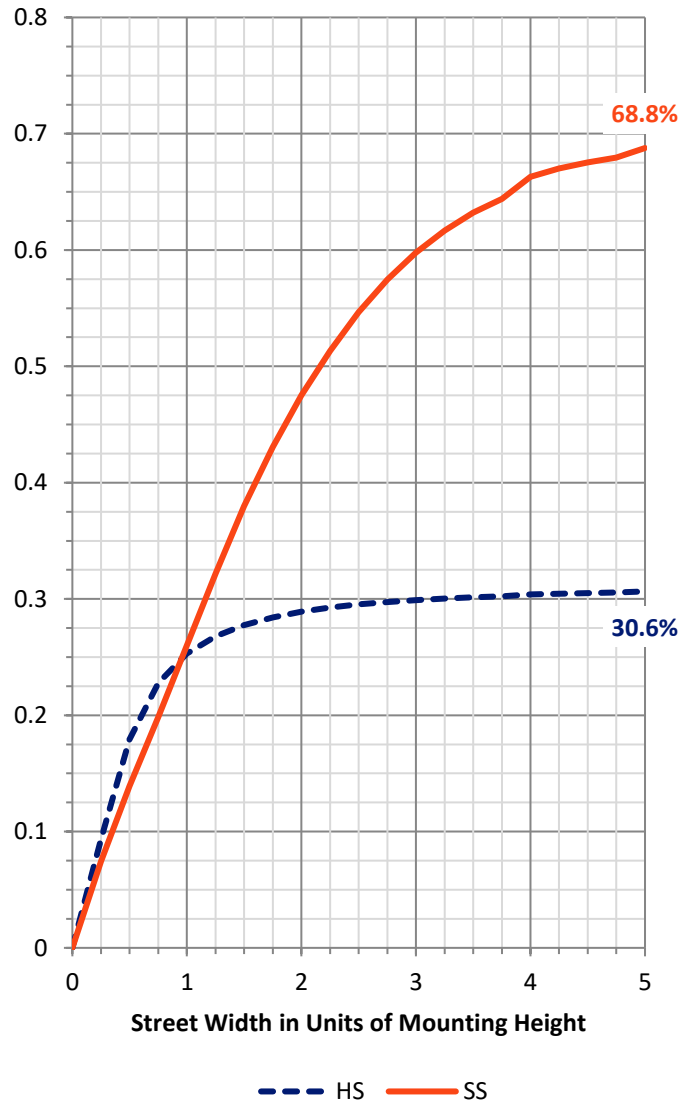
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3232.5	0.0	3232.5
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	7200.5	0.0	7200.5
	% Fixture	69.0	0.0	69.0
Total	Lumens	10433.0	0.0	10433.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.1	1.1
10°-20°	399.8	3.8
20°-30°	730.1	7.0
30°-40°	1035.4	9.9
40°-50°	1398.1	13.4
50°-60°	1880.9	18.0
60°-70°	2387.2	22.9
70°-80°	2166.6	20.8
80°-90°	315.8	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°	10433.0	100.0
0°-180°	10433.0	100.0

Coefficient of Utilization



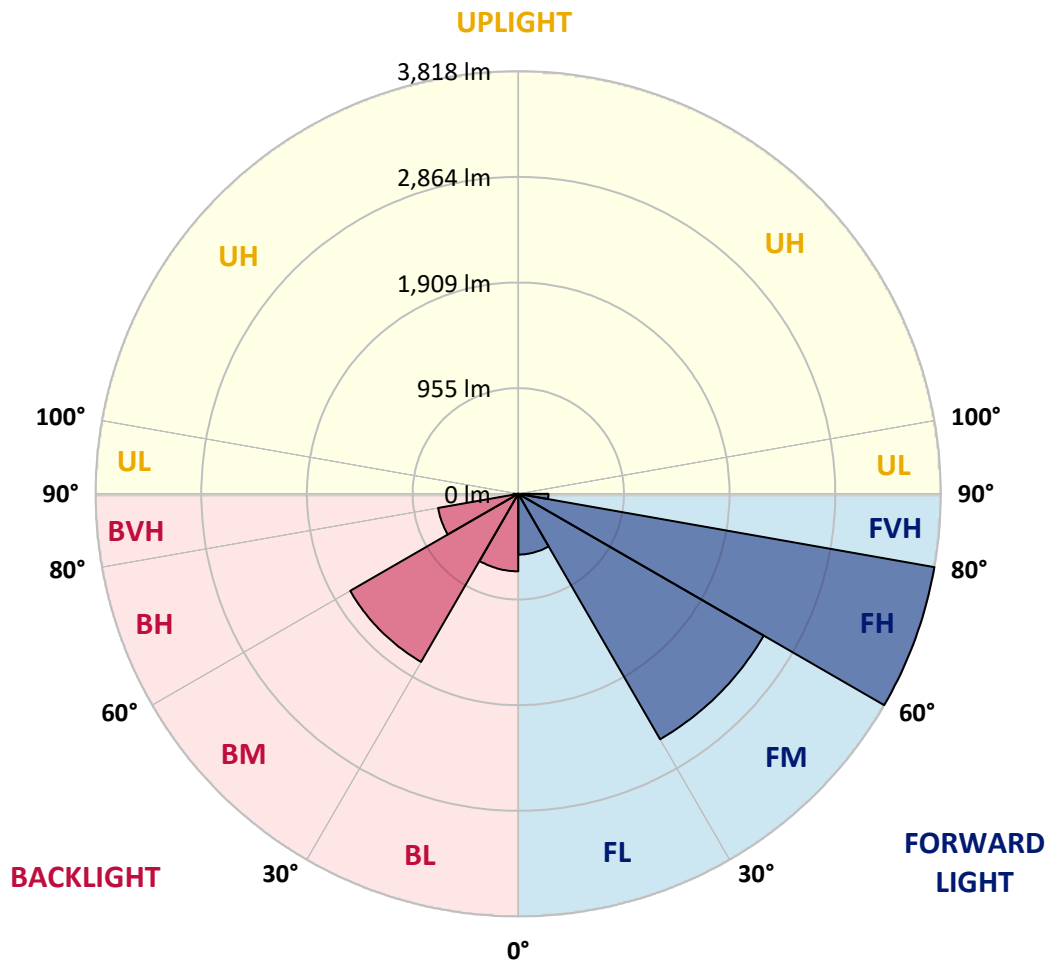
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	548.8	5.3			
FM (30°-60°)	2561.1	24.5			
FH (60°-80°)	3818.3	36.6			G2/5000
FVH (80°-90°)	272.3	2.6			G3/500
BL (0°-30°)	700.2	6.7	B2/1000		
BM (30°-60°)	1753.3	16.8	B2/2500		
BH (60°-80°)	735.5	7.0	B2/1000		G2/1000
BVH (80°-90°)	43.5	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°	1193.0	1193.0	1193.0	1193.0	1193.0	1193.0	1193.0	1193.0	1193.0	1193.0
2.5°	1174.8	1181.4	1179.7	1177.5	1177.5	1178.1	1177.5	1181.4	1185.3	1189.2
5°	1186.9	1193.6	1190.3	1187.5	1185.3	1184.7	1183.1	1182.5	1184.7	1189.7
7.5°	1210.7	1217.4	1212.4	1207.4	1203.0	1200.8	1198.6	1195.2	1193.6	1196.3
10°	1237.3	1243.9	1237.8	1229.0	1221.8	1219.0	1216.8	1213.5	1211.3	1212.9
12.5°	1263.9	1270.5	1262.2	1250.0	1240.6	1239.0	1236.2	1235.1	1234.5	1234.0
15°	1288.8	1294.3	1283.8	1269.4	1259.4	1256.7	1253.9	1255.6	1258.3	1261.6
17.5°	1308.1	1313.7	1298.2	1279.4	1269.9	1268.8	1267.2	1272.7	1280.5	1288.8
20°	1325.8	1331.4	1311.4	1286.0	1274.9	1274.9	1275.5	1287.1	1298.2	1310.3
22.5°	1350.7	1355.2	1330.8	1296.0	1279.9	1281.0	1285.4	1297.1	1310.9	1327.5
25°	1387.8	1391.1	1361.2	1314.8	1296.5	1299.8	1303.7	1309.2	1322.5	1341.9
27.5°	1447.6	1450.3	1411.0	1348.0	1320.3	1325.8	1331.4	1327.5	1333.6	1350.2
30°	1531.7	1533.3	1483.5	1400.0	1360.7	1363.5	1364.6	1348.5	1336.9	1350.2
32.5°	1631.3	1630.7	1571.5	1463.1	1406.6	1403.9	1394.4	1362.9	1335.8	1347.4
35°	1785.7	1779.6	1703.2	1551.6	1458.6	1441.5	1419.3	1379.0	1341.3	1344.6
37.5°	2041.3	2022.5	1916.8	1696.6	1536.1	1492.4	1459.7	1405.0	1353.5	1343.5
40°	2329.6	2305.8	2189.6	1895.2	1652.3	1582.0	1529.5	1442.0	1373.4	1348.5
42.5°	2671.6	2637.8	2512.8	2129.3	1799.5	1697.7	1618.6	1489.1	1402.7	1364.6
45°	3091.6	3046.8	2869.7	2393.2	1984.9	1849.3	1743.6	1560.5	1447.6	1395.6
47.5°	3516.0	3527.1	3275.3	2695.4	2207.3	2036.3	1900.2	1667.8	1512.9	1445.4
50°	3967.0	3974.7	3678.7	3030.2	2459.7	2247.7	2076.2	1787.9	1603.6	1516.2
52.5°	4318.9	4320.0	4045.0	3380.4	2722.5	2480.1	2266.0	1925.1	1708.8	1610.3
55°	4539.1	4536.4	4301.8	3711.9	3024.6	2724.2	2476.3	2081.2	1837.1	1720.9
57.5°	4699.1	4690.8	4478.8	3996.9	3346.7	3012.4	2714.2	2258.2	1988.7	1852.6
60°	4759.9	4755.0	4598.9	4243.1	3685.3	3331.2	2988.7	2456.3	2160.8	2008.1
62.5°	4783.2	4792.6	4716.8	4481.6	4047.8	3684.2	3290.2	2693.2	2354.5	2184.1
65°	4865.1	4882.2	4866.7	4793.7	4457.3	4097.6	3690.3	2974.8	2565.9	2372.8
67.5°	5027.2	5044.4	5051.0	5167.2	4957.5	4612.7	4189.4	3325.6	2813.2	2568.7
70°	5023.3	5018.4	5135.7	5464.4	5583.9	5326.0	4862.3	3757.3	3108.2	2731.3
72.5°	4572.3	4532.5	4809.7	5461.0	6105.1	6070.8	5684.0	4313.9	3362.7	2751.3
75°	3430.2	3324.0	3813.7	4921.5	6192.0	6493.6	6206.4	4659.2	3302.4	2430.9
77.5°	1466.9	1360.1	1937.3	3643.3	5541.8	6070.3	5727.2	4064.9	2636.2	1607.5
80°	384.0	383.5	585.4	1651.8	3768.9	4482.7	3932.7	2625.1	1506.2	574.4
82.5°	158.8	154.9	215.3	642.4	1841.6	2515.5	2052.9	1170.9	543.9	155.5
85°	59.2	58.7	104.6	221.9	649.6	1037.5	750.9	299.4	135.6	75.8
87.5°	16.6	16.0	22.7	76.9	158.3	240.2	128.4	49.2	38.2	29.9
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°
1193.0	0°	1193.0	1193.0	1193.0	1193.0	1193.0	1193.0	1193.0	1193.0	1193.0	1193.0
1195.2	2.5°	1196.9	1199.7	1204.6	1208.5	1213.5	1219.0	1226.8	1231.8	1236.7	1240.1
1198.0	5°	1201.9	1208.0	1220.7	1233.4	1248.4	1262.2	1278.2	1289.9	1299.3	1302.0
1208.0	7.5°	1212.9	1222.9	1244.5	1266.1	1289.9	1312.6	1335.8	1355.7	1371.8	1377.8
1225.7	10°	1232.3	1245.6	1276.0	1306.5	1338.0	1372.9	1402.7	1431.5	1454.2	1463.6
1246.7	12.5°	1256.7	1273.3	1313.1	1355.2	1398.9	1447.0	1485.8	1521.2	1549.4	1562.1
1276.0	15°	1288.2	1309.8	1360.7	1417.1	1481.3	1548.3	1597.5	1636.8	1668.4	1683.9
1306.5	17.5°	1322.5	1351.3	1415.5	1500.7	1592.5	1680.5	1738.1	1766.9	1799.5	1814.4
1334.7	20°	1355.7	1391.1	1483.0	1606.9	1729.2	1822.7	1869.2	1877.0	1879.2	1880.8
1361.2	22.5°	1390.0	1437.6	1567.6	1740.8	1872.0	1936.7	1943.4	1910.2	1863.7	1842.1
1387.3	25°	1427.6	1490.7	1678.3	1888.6	1994.8	2002.6	1951.7	1870.9	1782.9	1742.5
1408.3	27.5°	1464.2	1552.2	1811.1	2029.7	2083.4	2015.3	1905.7	1791.2	1685.0	1642.3
1423.2	30°	1500.7	1622.4	1957.8	2153.1	2123.8	1983.8	1833.3	1705.4	1598.6	1553.8
1436.5	32.5°	1537.8	1704.3	2126.5	2242.2	2116.6	1916.8	1743.1	1609.1	1515.1	1468.0
1448.1	35°	1579.8	1805.0	2286.5	2290.9	2068.4	1818.3	1624.1	1494.1	1412.2	1374.5
1462.0	37.5°	1634.6	1932.9	2427.6	2303.1	1984.3	1673.9	1476.3	1357.9	1290.4	1273.3
1482.4	40°	1702.7	2086.7	2535.5	2283.7	1859.8	1498.5	1314.8	1220.1	1182.0	1185.8
1510.1	42.5°	1791.2	2258.8	2611.3	2233.9	1686.6	1317.5	1173.1	1131.1	1149.3	1164.8
1551.6	45°	1906.3	2437.5	2658.3	2149.2	1490.7	1164.3	1089.6	1099.5	1113.3	1115.0
1618.6	47.5°	2053.5	2618.5	2689.3	2021.4	1291.0	1056.3	1036.4	1038.6	1035.9	1024.3
1718.7	50°	2237.2	2794.4	2717.0	1852.1	1121.1	988.8	962.3	954.5	916.4	878.7
1852.1	52.5°	2446.4	2956.0	2728.6	1641.8	988.8	932.4	889.2	840.5	769.2	757.5
2019.7	55°	2678.8	3105.4	2698.7	1383.4	877.6	859.9	794.6	736.0	728.2	718.3
2240.5	57.5°	2956.6	3266.4	2637.8	1095.1	763.6	775.2	711.6	718.3	704.4	688.9
2524.4	60°	3260.4	3433.0	2531.0	832.2	645.8	669.6	690.0	689.5	685.6	672.9
2823.8	62.5°	3533.7	3542.6	2320.8	637.5	542.3	587.7	643.5	643.0	639.7	632.5
3136.4	65°	3696.4	3526.0	1969.9	501.9	457.1	520.2	580.5	584.9	585.4	584.9
3371.6	67.5°	3667.6	3331.7	1488.5	399.5	386.8	451.5	517.9	524.0	528.5	529.6
3401.5	70°	3342.2	2905.1	970.6	318.7	324.3	391.2	458.7	464.8	468.7	473.1
2951.6	72.5°	2605.2	2135.9	555.6	257.9	269.5	339.2	400.1	407.3	409.5	417.8
2054.0	75°	1587.6	1256.1	299.9	203.1	221.3	290.0	342.0	350.3	354.1	364.1
1008.8	77.5°	754.8	543.9	171.0	158.3	178.2	236.8	288.8	298.3	287.7	293.3
278.3	80°	255.1	202.0	107.9	120.6	136.1	184.8	231.3	240.7	218.6	217.5
92.4	82.5°	89.1	81.9	68.6	80.2	88.0	132.3	174.9	187.0	162.7	162.1
41.5	85°	34.9	33.2	38.2	43.7	52.6	81.3	115.1	121.2	100.2	80.8
12.2	87.5°	7.2	7.7	9.4	10.0	16.0	28.2	41.5	50.9	40.4	34.3
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°
1193.0
1237.8
1303.1
1378.4
1464.2
1562.1
1682.7
1813.9
1885.3
1848.2
1748.6
1647.3
1558.8
1474.1
1382.8
1285.4
1199.1
1179.2
1126.1
1033.1
883.7
761.4
719.9
686.2
668.4
629.7
584.9
530.7
475.3
421.1
365.2
288.8
215.3
154.4
79.7
31.5
0.0

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