

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: P846783

Luminaire Tested: **GLAN-SB2C-827-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846783
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-SB2C-827-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11837 lumens
Efficiency: N/A
Efficacy: 117.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G3

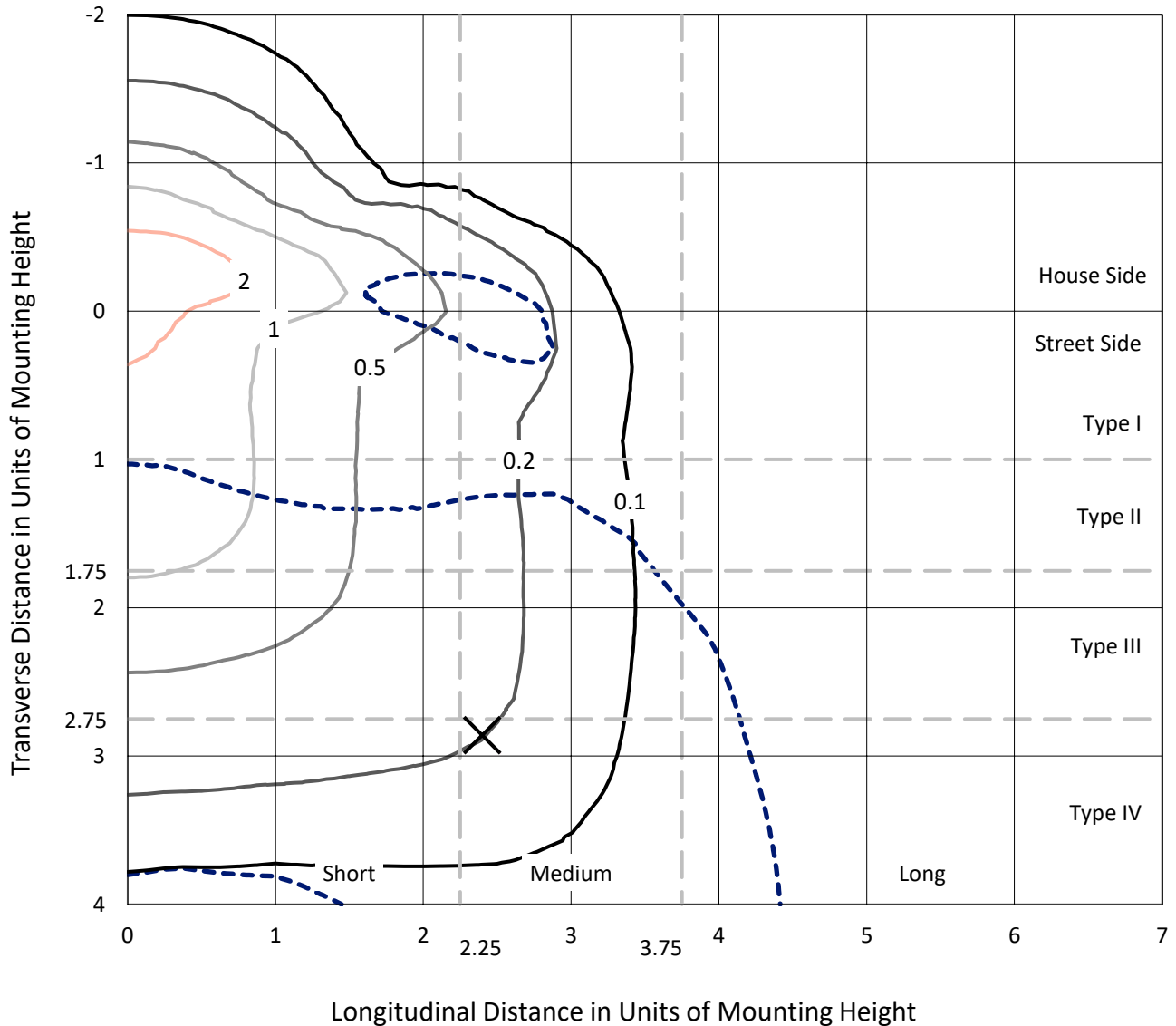
Input Watts (W): 100.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

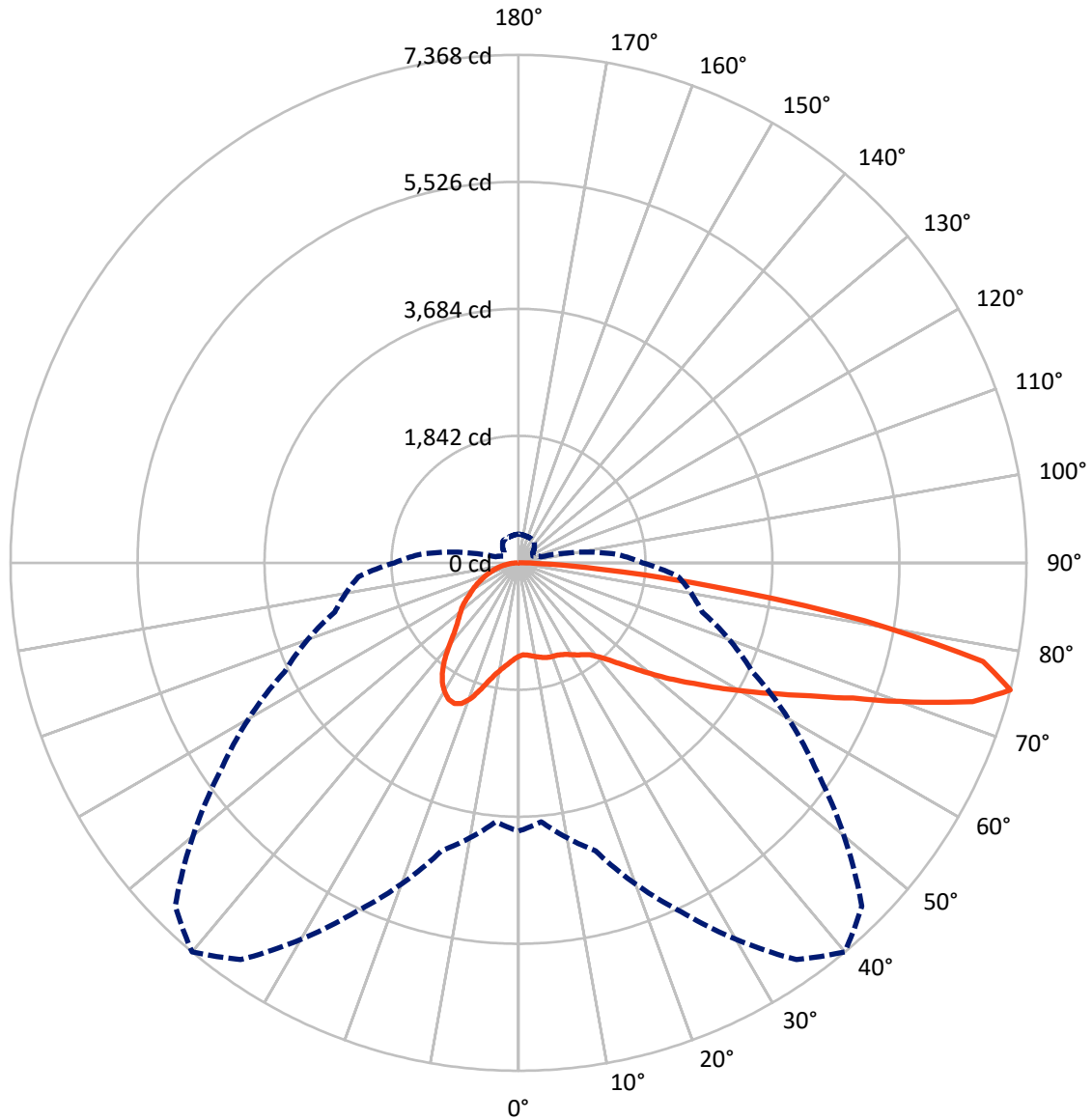
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 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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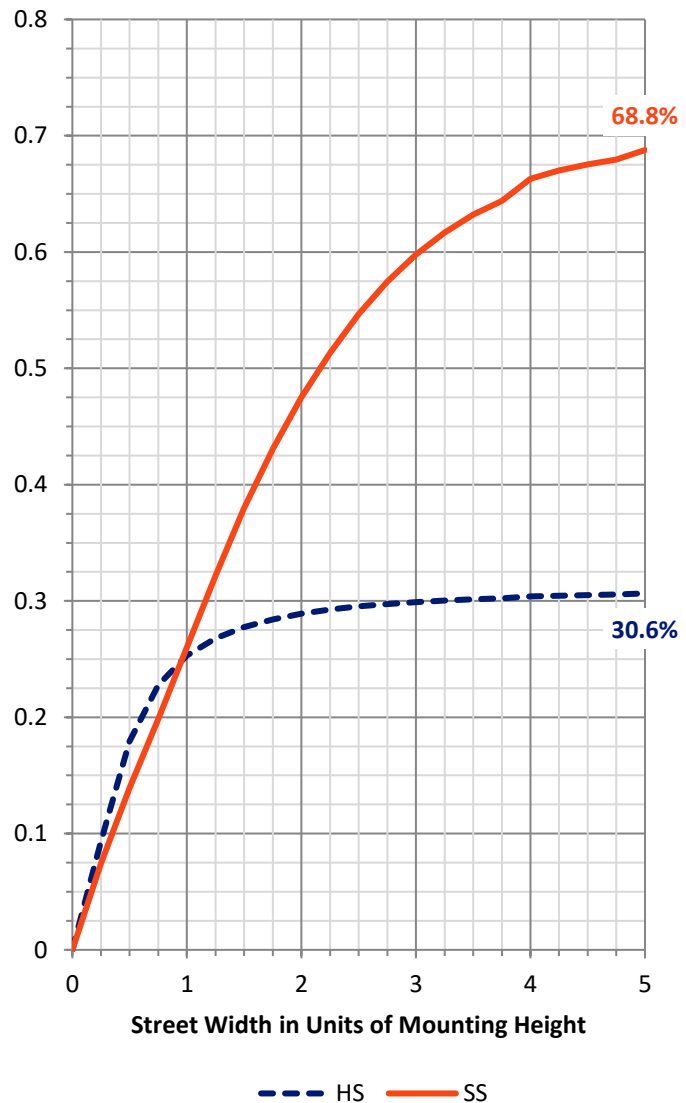
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3667.5	0.0	3667.5
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	8169.5	0.0	8169.5
	% Fixture	69.0	0.0	69.0
Total	Lumens	11837.0	0.0	11837.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.1	1.1
10°-20°	453.6	3.8
20°-30°	828.3	7.0
30°-40°	1174.8	9.9
40°-50°	1586.3	13.4
50°-60°	2134.0	18.0
60°-70°	2708.5	22.9
70°-80°	2458.1	20.8
80°-90°	358.3	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°	11837.0	100.0
0°-180°	11837.0	100.0

Coefficient of Utilization

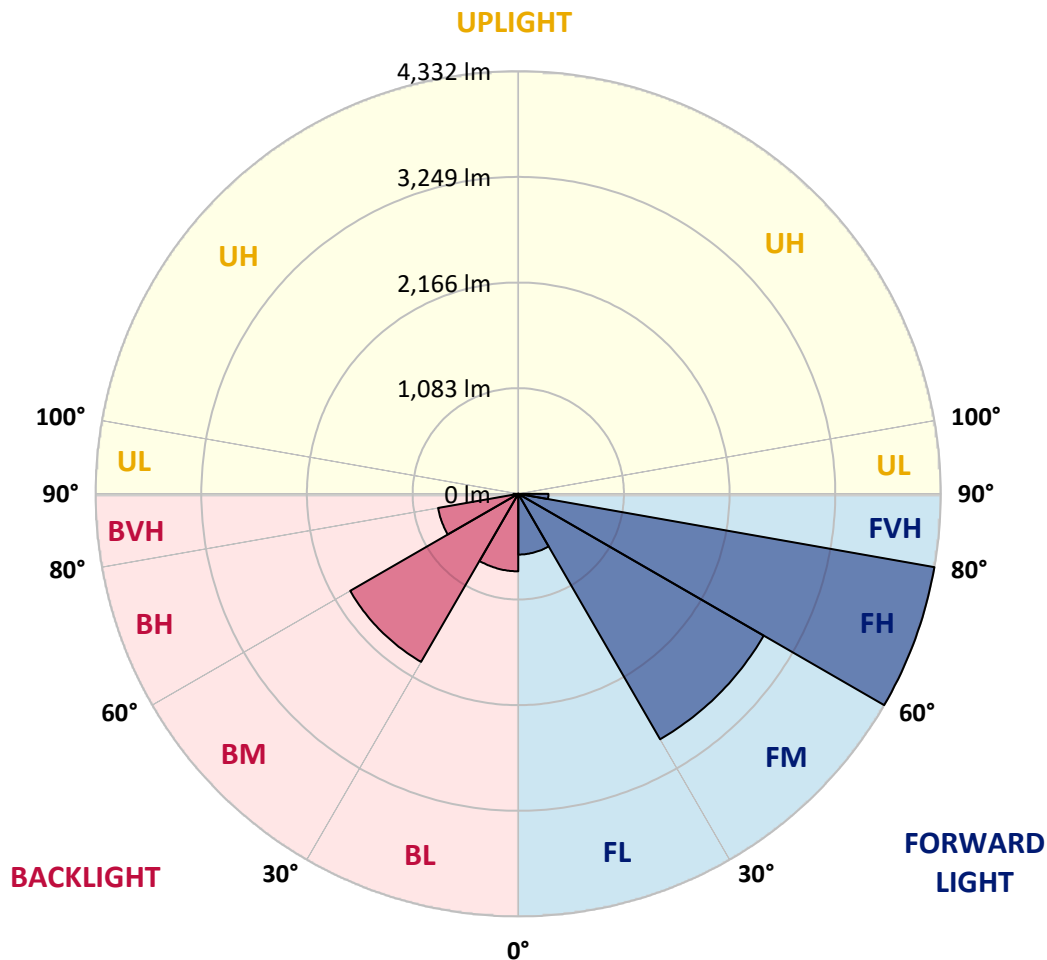


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	622.6	5.3			
FM (30°-60°)	2905.7	24.5			
FH (60°-80°)	4332.2	36.6			G2/5000
FVH (80°-90°)	309.0	2.6			G3/500
BL (0°-30°)	794.4	6.7	B2/1000		
BM (30°-60°)	1989.3	16.8	B2/2500		
BH (60°-80°)	834.5	7.0	B2/1000		G2/1000
BVH (80°-90°)	49.3	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°	1353.6	1353.6	1353.6	1353.6	1353.6	1353.6	1353.6	1353.6	1353.6	1353.6
2.5°	1332.9	1340.4	1338.5	1336.0	1336.0	1336.6	1336.0	1340.4	1344.8	1349.2
5°	1346.7	1354.2	1350.4	1347.3	1344.8	1344.2	1342.3	1341.6	1344.2	1349.8
7.5°	1373.7	1381.2	1375.6	1369.9	1364.9	1362.4	1359.9	1356.1	1354.2	1357.3
10°	1403.8	1411.3	1404.4	1394.4	1386.2	1383.1	1380.6	1376.8	1374.3	1376.2
12.5°	1433.9	1441.5	1432.1	1418.2	1407.6	1405.7	1402.5	1401.3	1400.7	1400.0
15°	1462.2	1468.5	1456.5	1440.2	1428.9	1425.8	1422.6	1424.5	1427.7	1431.4
17.5°	1484.2	1490.4	1472.9	1451.5	1440.8	1439.6	1437.7	1444.0	1452.8	1462.2
20°	1504.3	1510.5	1487.9	1459.1	1446.5	1446.5	1447.1	1460.3	1472.9	1486.7
22.5°	1532.5	1537.5	1509.9	1470.4	1452.1	1453.4	1458.4	1471.6	1487.3	1506.1
25°	1574.6	1578.3	1544.4	1491.7	1471.0	1474.7	1479.1	1485.4	1500.5	1522.5
27.5°	1642.4	1645.5	1600.9	1529.4	1498.0	1504.3	1510.5	1506.1	1513.0	1531.9
30°	1737.8	1739.7	1683.2	1588.4	1543.8	1546.9	1548.2	1530.0	1516.8	1531.9
32.5°	1850.8	1850.2	1783.0	1660.0	1595.9	1592.8	1582.1	1546.3	1515.6	1528.7
35°	2026.0	2019.1	1932.4	1760.4	1654.9	1635.5	1610.4	1564.5	1521.8	1525.6
37.5°	2316.0	2294.7	2174.8	1924.9	1742.8	1693.2	1656.2	1594.0	1535.6	1524.3
40°	2643.1	2616.1	2484.3	2150.3	1874.7	1794.9	1735.3	1636.1	1558.2	1530.0
42.5°	3031.1	2992.8	2850.9	2415.8	2041.7	1926.1	1836.4	1689.5	1591.5	1548.2
45°	3507.6	3456.8	3255.9	2715.3	2252.0	2098.2	1978.3	1770.4	1642.4	1583.4
47.5°	3989.2	4001.7	3716.1	3058.1	2504.4	2310.4	2155.9	1892.2	1716.5	1639.9
50°	4500.8	4509.6	4173.7	3437.9	2790.7	2550.2	2355.6	2028.5	1819.4	1720.2
52.5°	4900.1	4901.4	4589.4	3835.3	3088.9	2813.9	2570.9	2184.2	1938.7	1827.0
55°	5150.0	5146.9	4880.7	4211.4	3431.7	3090.8	2809.5	2361.2	2084.4	1952.5
57.5°	5331.4	5322.0	5081.6	4534.7	3797.0	3417.8	3079.4	2562.1	2256.4	2101.9
60°	5400.5	5394.8	5217.8	4814.1	4181.3	3779.5	3390.8	2786.9	2451.6	2278.4
62.5°	5426.9	5437.5	5351.5	5084.7	4592.5	4180.0	3733.0	3055.6	2671.4	2478.0
65°	5519.8	5539.2	5521.7	5438.8	5057.1	4649.0	4186.9	3375.2	2911.2	2692.1
67.5°	5703.7	5723.2	5730.7	5862.6	5624.6	5233.5	4753.2	3773.2	3191.8	2914.3
70°	5699.3	5693.7	5826.8	6199.7	6335.3	6042.8	5516.6	4262.9	3526.5	3098.9
72.5°	5187.7	5142.5	5457.0	6195.9	6926.7	6887.8	6449.0	4894.5	3815.3	3121.5
75°	3891.8	3771.3	4326.9	5583.8	7025.3	7367.5	7041.6	5286.2	3746.8	2758.0
77.5°	1664.3	1543.2	2198.0	4133.6	6287.6	6887.2	6497.9	4612.0	2990.9	1823.8
80°	435.7	435.1	664.2	1874.0	4276.1	5086.0	4461.9	2978.4	1708.9	651.7
82.5°	180.2	175.8	244.2	728.9	2089.4	2854.1	2329.2	1328.5	617.1	176.4
85°	67.2	66.5	118.7	251.8	737.1	1177.2	851.9	339.6	153.8	86.0
87.5°	18.8	18.2	25.7	87.3	179.6	272.5	145.7	55.9	43.3	33.9
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°
1353.6	0°	1353.6	1353.6	1353.6	1353.6	1353.6	1353.6	1353.6	1353.6	1353.6	1353.6
1356.1	2.5°	1358.0	1361.1	1366.8	1371.2	1376.8	1383.1	1391.9	1397.5	1403.2	1406.9
1359.2	5°	1363.6	1370.5	1385.0	1399.4	1416.4	1432.1	1450.3	1463.4	1474.1	1477.3
1370.5	7.5°	1376.2	1387.5	1412.0	1436.4	1463.4	1489.2	1515.6	1538.2	1556.4	1563.3
1390.6	10°	1398.2	1413.2	1447.7	1482.3	1518.1	1557.6	1591.5	1624.2	1649.9	1660.6
1414.5	12.5°	1425.8	1444.6	1489.8	1537.5	1587.1	1641.7	1685.7	1725.9	1757.9	1772.3
1447.7	15°	1461.6	1486.0	1543.8	1607.8	1680.7	1756.6	1812.5	1857.1	1892.9	1910.5
1482.3	17.5°	1500.5	1533.1	1606.0	1702.6	1806.9	1906.7	1972.0	2004.6	2041.7	2058.6
1514.3	20°	1538.2	1578.3	1682.6	1823.2	1961.9	2068.0	2120.8	2129.6	2132.1	2134.0
1544.4	22.5°	1577.1	1631.1	1778.6	1975.1	2123.9	2197.4	2204.9	2167.2	2114.5	2090.0
1573.9	25°	1619.8	1691.3	1904.2	2142.7	2263.3	2272.1	2214.3	2122.7	2022.8	1977.0
1597.8	27.5°	1661.2	1761.0	2054.9	2302.8	2363.7	2286.5	2162.2	2032.2	1911.7	1863.4
1614.7	30°	1702.6	1840.8	2221.2	2442.8	2409.6	2250.7	2080.0	1934.9	1813.8	1762.9
1629.8	32.5°	1744.7	1933.7	2412.7	2543.9	2401.4	2174.8	1977.6	1825.7	1719.0	1665.6
1643.0	35°	1792.4	2047.9	2594.1	2599.2	2346.8	2063.0	1842.6	1695.1	1602.2	1559.5
1658.7	37.5°	1854.6	2193.0	2754.2	2613.0	2251.4	1899.2	1675.0	1540.7	1464.1	1444.6
1681.9	40°	1931.8	2367.5	2876.7	2591.0	2110.1	1700.1	1491.7	1384.3	1341.0	1345.4
1713.3	42.5°	2032.2	2562.8	2962.7	2534.5	1913.6	1494.8	1331.0	1283.3	1304.0	1321.6
1760.4	45°	2162.8	2765.5	3016.0	2438.4	1691.3	1320.9	1236.2	1247.5	1263.2	1265.1
1836.4	47.5°	2329.8	2970.8	3051.2	2293.4	1464.7	1198.5	1175.9	1178.4	1175.3	1162.1
1950.0	50°	2538.3	3170.5	3082.6	2101.3	1272.0	1121.9	1091.8	1083.0	1039.7	997.0
2101.3	52.5°	2775.6	3353.8	3095.8	1862.7	1121.9	1057.9	1008.9	953.7	872.7	859.5
2291.5	55°	3039.3	3523.3	3061.9	1569.5	995.7	975.6	901.5	835.0	826.2	814.9
2542.0	57.5°	3354.4	3706.0	2992.8	1242.5	866.4	879.6	807.4	814.9	799.2	781.6
2864.1	60°	3699.1	3895.0	2871.6	944.2	732.7	759.7	782.9	782.3	777.9	763.4
3203.8	62.5°	4009.2	4019.3	2633.1	723.2	615.3	666.7	730.2	729.5	725.8	717.6
3558.5	65°	4193.8	4000.5	2235.0	569.4	518.6	590.1	658.6	663.6	664.2	663.6
3825.3	67.5°	4161.2	3780.1	1688.8	453.3	438.8	512.3	587.6	594.5	599.6	600.8
3859.2	70°	3792.0	3296.0	1101.2	361.6	367.9	443.9	520.5	527.4	531.8	536.8
3348.8	72.5°	2955.8	2423.4	630.3	292.6	305.7	384.9	453.9	462.1	464.6	474.0
2330.5	75°	1801.2	1425.1	340.3	230.4	251.1	329.0	388.0	397.4	401.8	413.1
1144.5	77.5°	856.3	617.1	194.0	179.6	202.2	268.7	327.7	338.4	326.5	332.7
315.8	80°	289.4	229.2	122.4	136.9	154.4	209.7	262.4	273.1	248.0	246.7
104.8	82.5°	101.1	92.9	77.8	91.0	99.8	150.0	198.4	212.2	184.6	184.0
47.1	85°	39.6	37.7	43.3	49.6	59.6	92.3	130.6	137.5	113.6	91.7
13.8	87.5°	8.2	8.8	10.7	11.3	18.2	32.0	47.1	57.8	45.8	38.9
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°
1353.6
1404.4
1478.5
1563.9
1661.2
1772.3
1909.2
2058.0
2139.0
2096.9
1983.9
1869.0
1768.6
1672.5
1568.9
1458.4
1360.5
1337.9
1277.6
1172.1
1002.6
863.9
816.8
778.5
758.4
714.5
663.6
602.1
539.3
477.8
414.4
327.7
244.2
175.2
90.4
35.8
0.0

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