

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: P846713

Luminaire Tested: **GLAN-SB2C-722-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846713
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-722-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2200K, 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: 11609 lumens
Efficiency: N/A
Efficacy: 115.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G3

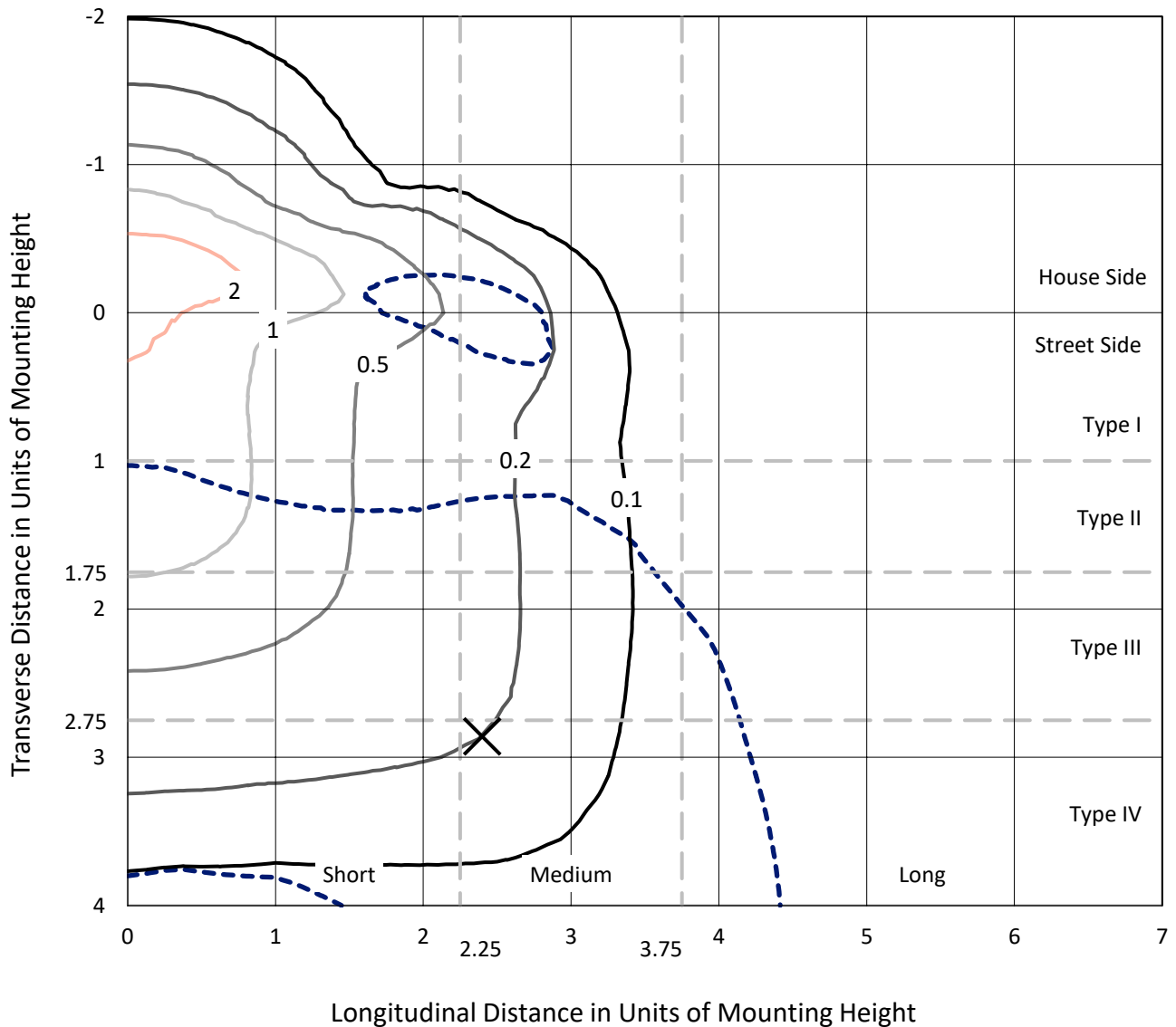
Input Watts (W): 100.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

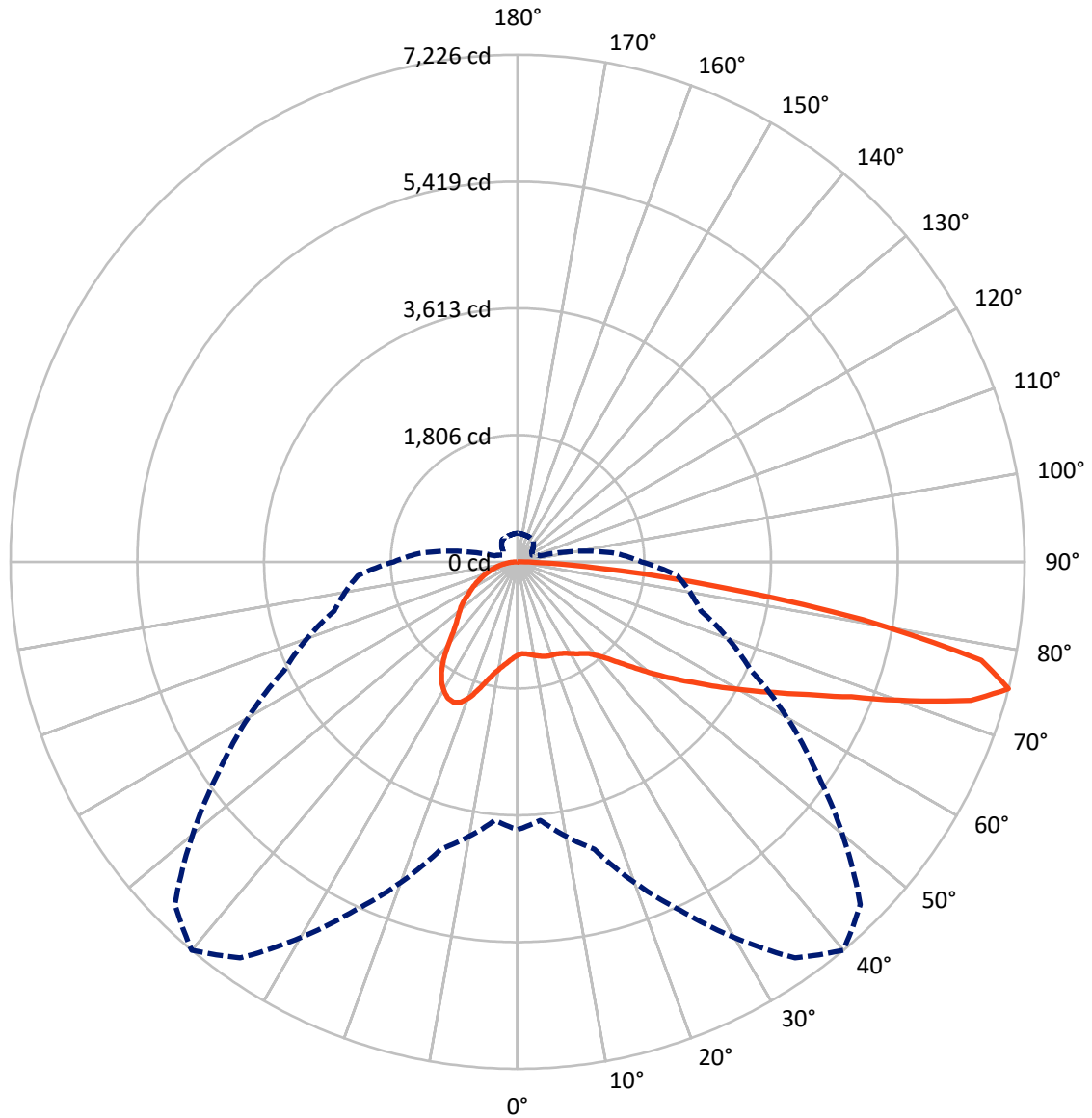
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 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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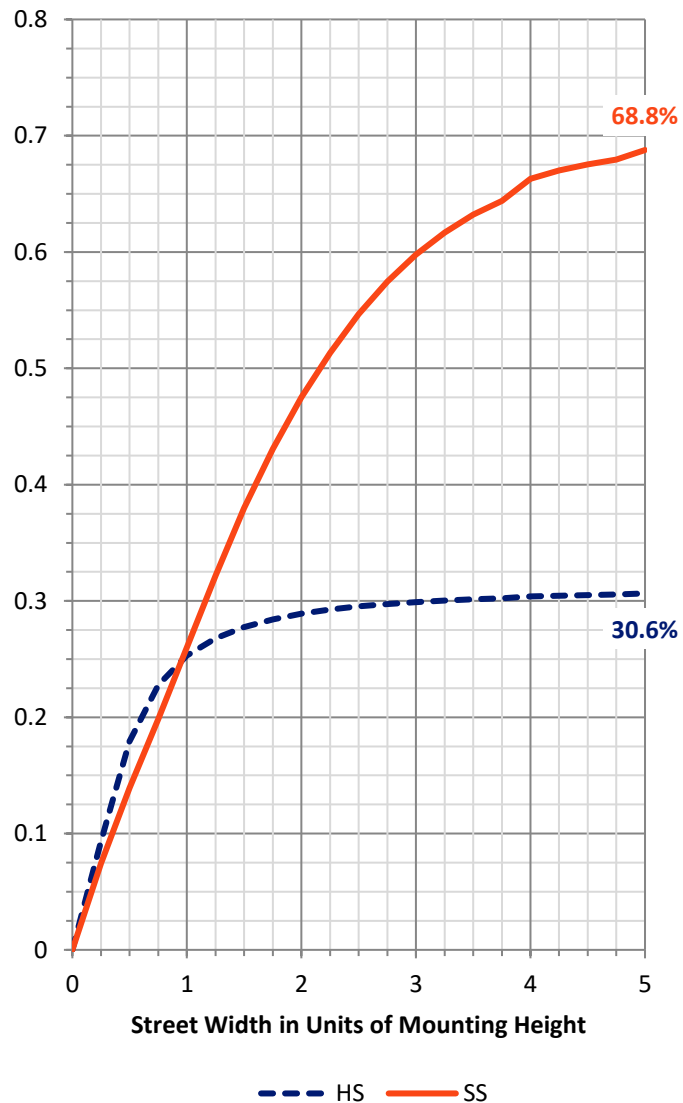
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3596.9	0.0	3596.9
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	8012.1	0.0	8012.1
	% Fixture	69.0	0.0	69.0
Total	Lumens	11609.0	0.0	11609.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.5	1.1
10°-20°	444.9	3.8
20°-30°	812.3	7.0
30°-40°	1152.1	9.9
40°-50°	1555.7	13.4
50°-60°	2092.9	18.0
60°-70°	2656.3	22.9
70°-80°	2410.8	20.8
80°-90°	351.4	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°	11609.0	100.0
0°-180°	11609.0	100.0

Coefficient of Utilization

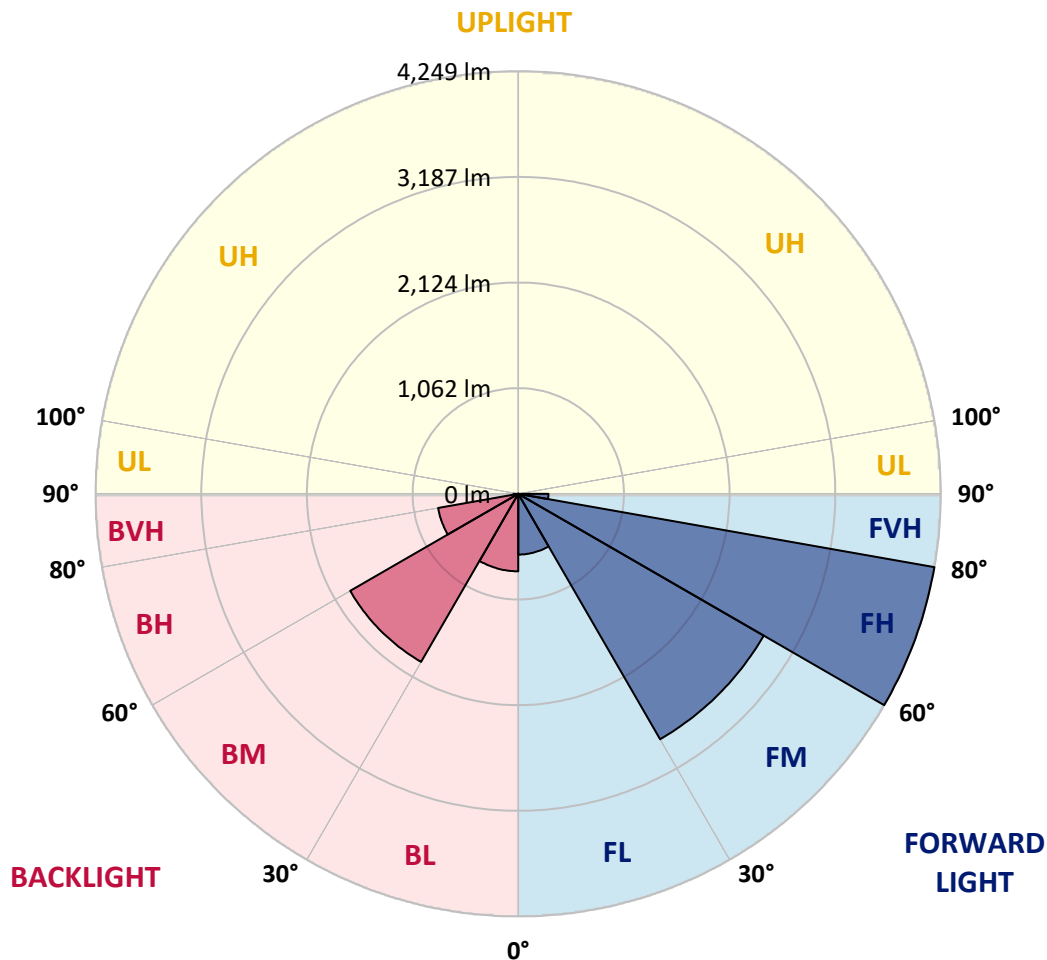


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	610.6	5.3			
FM (30°-60°)	2849.8	24.5			
FH (60°-80°)	4248.7	36.6			G2/5000
FVH (80°-90°)	303.0	2.6			G3/500
BL (0°-30°)	779.1	6.7	B2/1000		
BM (30°-60°)	1951.0	16.8	B2/2500		
BH (60°-80°)	818.4	7.0	B2/1000		G2/1000
BVH (80°-90°)	48.4	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°	1327.5	1327.5	1327.5	1327.5	1327.5	1327.5	1327.5	1327.5	1327.5	1327.5
2.5°	1307.2	1314.6	1312.7	1310.3	1310.3	1310.9	1310.3	1314.6	1318.9	1323.2
5°	1320.7	1328.1	1324.4	1321.3	1318.9	1318.3	1316.4	1315.8	1318.3	1323.8
7.5°	1347.2	1354.6	1349.1	1343.5	1338.6	1336.1	1333.7	1330.0	1328.1	1331.2
10°	1376.8	1384.2	1377.4	1367.5	1359.5	1356.4	1354.0	1350.3	1347.8	1349.7
12.5°	1406.3	1413.7	1404.5	1390.9	1380.5	1378.6	1375.5	1374.3	1373.7	1373.1
15°	1434.0	1440.2	1428.5	1412.5	1401.4	1398.3	1395.2	1397.1	1400.2	1403.9
17.5°	1455.6	1461.7	1444.5	1423.6	1413.1	1411.9	1410.0	1416.2	1424.8	1434.0
20°	1475.3	1481.4	1459.3	1430.9	1418.6	1418.6	1419.2	1432.2	1444.5	1458.0
22.5°	1503.0	1507.9	1480.8	1442.0	1424.2	1425.4	1430.3	1443.3	1458.7	1477.1
25°	1544.2	1547.9	1514.7	1463.0	1442.6	1446.3	1450.6	1456.8	1471.6	1493.1
27.5°	1610.7	1613.8	1570.1	1499.9	1469.1	1475.3	1481.4	1477.1	1483.9	1502.4
30°	1704.3	1706.2	1650.8	1557.8	1514.1	1517.1	1518.4	1500.5	1487.6	1502.4
32.5°	1815.2	1814.5	1748.7	1628.0	1565.2	1562.1	1551.6	1516.5	1486.4	1499.3
35°	1986.9	1980.2	1895.2	1726.5	1623.1	1604.0	1579.3	1534.4	1492.5	1496.2
37.5°	2271.4	2250.5	2132.9	1887.8	1709.3	1660.6	1624.3	1563.3	1506.1	1495.0
40°	2592.2	2565.7	2436.4	2108.9	1838.6	1760.4	1701.9	1604.6	1528.2	1500.5
42.5°	2972.7	2935.2	2796.0	2369.3	2002.3	1889.0	1801.0	1656.9	1560.9	1518.4
45°	3440.1	3390.2	3193.2	2663.0	2208.6	2057.8	1940.2	1736.3	1610.7	1552.9
47.5°	3912.3	3924.6	3644.5	2999.2	2456.1	2265.9	2114.4	1855.8	1683.4	1608.3
50°	4414.1	4422.8	4093.3	3371.7	2736.9	2501.1	2310.2	1989.4	1784.4	1687.1
52.5°	4805.7	4807.0	4501.0	3761.5	3029.4	2759.7	2521.4	2142.1	1901.4	1791.8
55°	5050.8	5047.7	4786.7	4130.3	3365.6	3031.2	2755.4	2315.7	2044.2	1914.9
57.5°	5228.7	5219.5	4983.7	4447.4	3723.9	3352.0	3020.1	2512.8	2212.9	2061.4
60°	5296.5	5290.9	5117.3	4721.4	4100.7	3706.7	3325.5	2733.2	2404.4	2234.5
62.5°	5322.3	5332.8	5248.4	4986.8	4504.0	4099.5	3661.1	2996.7	2619.9	2430.3
65°	5413.5	5432.5	5415.3	5334.0	4959.7	4559.4	4106.3	3310.1	2855.1	2640.2
67.5°	5593.9	5613.0	5620.3	5749.6	5516.3	5132.7	4661.7	3700.5	3130.3	2858.2
70°	5589.6	5584.0	5714.6	6080.3	6213.3	5926.4	5410.4	4180.8	3458.5	3039.2
72.5°	5087.7	5043.4	5351.9	6076.6	6793.3	6755.1	6324.7	4800.2	3741.8	3061.4
75°	3816.9	3698.7	4243.6	5476.3	6890.0	7225.5	6906.0	5184.4	3674.7	2704.9
77.5°	1632.3	1513.5	2155.7	4053.9	6166.5	6754.5	6372.8	4523.1	2933.3	1788.7
80°	427.3	426.7	651.4	1837.9	4193.7	4988.0	4376.0	2921.0	1676.0	639.1
82.5°	176.7	172.4	239.5	714.9	2049.1	2799.1	2284.3	1302.9	605.3	173.0
85°	65.9	65.3	116.4	246.9	722.9	1154.5	835.5	333.1	150.9	84.4
87.5°	18.5	17.9	25.2	85.6	176.1	267.2	142.8	54.8	42.5	33.2
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°
1327.5	0°	1327.5	1327.5	1327.5	1327.5	1327.5	1327.5	1327.5	1327.5	1327.5	1327.5
1330.0	2.5°	1331.8	1334.9	1340.4	1344.7	1350.3	1356.4	1365.1	1370.6	1376.1	1379.8
1333.0	5°	1337.4	1344.1	1358.3	1372.5	1389.1	1404.5	1422.3	1435.3	1445.7	1448.8
1344.1	7.5°	1349.7	1360.8	1384.8	1408.8	1435.3	1460.5	1486.4	1508.5	1526.4	1533.2
1363.8	10°	1371.2	1386.0	1419.9	1453.7	1488.8	1527.6	1560.9	1592.9	1618.1	1628.6
1387.2	12.5°	1398.3	1416.8	1461.1	1507.9	1556.6	1610.1	1653.2	1692.6	1724.0	1738.2
1419.9	15°	1433.4	1457.4	1514.1	1576.9	1648.3	1722.8	1777.6	1821.3	1856.4	1873.7
1453.7	17.5°	1471.6	1503.6	1575.0	1669.8	1772.1	1870.0	1934.0	1966.0	2002.3	2019.0
1485.1	20°	1508.5	1547.9	1650.1	1788.1	1924.1	2028.2	2079.9	2088.5	2091.0	2092.9
1514.7	22.5°	1546.7	1599.7	1744.4	1937.1	2083.0	2155.0	2162.4	2125.5	2073.8	2049.8
1543.6	25°	1588.6	1658.8	1867.5	2101.5	2219.7	2228.3	2171.7	2081.8	1983.9	1938.9
1567.0	27.5°	1629.2	1727.1	2015.3	2258.5	2318.2	2242.5	2120.6	1993.1	1874.9	1827.5
1583.6	30°	1669.8	1805.3	2178.4	2395.8	2363.2	2207.4	2039.9	1897.7	1778.8	1729.0
1598.4	32.5°	1711.1	1896.4	2366.2	2494.9	2355.2	2132.9	1939.5	1790.5	1685.9	1633.5
1611.4	35°	1757.9	2008.5	2544.2	2549.1	2301.6	2023.3	1807.2	1662.5	1571.3	1529.5
1626.7	37.5°	1818.9	2150.7	2701.2	2562.7	2208.0	1862.6	1642.8	1511.0	1435.9	1416.8
1649.5	40°	1894.6	2321.9	2821.3	2541.1	2069.5	1667.4	1463.0	1357.7	1315.2	1319.5
1680.3	42.5°	1993.1	2513.4	2905.6	2485.7	1876.7	1466.0	1305.3	1258.5	1278.9	1296.1
1726.5	45°	2121.2	2712.3	2957.9	2391.5	1658.8	1295.5	1212.4	1223.4	1238.8	1240.7
1801.0	47.5°	2285.0	2913.6	2992.4	2249.2	1436.5	1175.4	1153.3	1155.7	1152.6	1139.7
1912.4	50°	2489.4	3109.4	3023.2	2060.8	1247.5	1100.3	1070.7	1062.1	1019.6	977.8
2060.8	52.5°	2722.1	3289.2	3036.1	1826.9	1100.3	1037.5	989.5	935.3	855.9	842.9
2247.4	55°	2980.7	3455.5	3002.9	1539.3	976.5	956.8	884.2	818.9	810.3	799.2
2493.1	57.5°	3289.8	3634.6	2935.2	1218.5	849.7	862.6	791.8	799.2	783.8	766.6
2808.9	60°	3627.9	3820.0	2816.3	926.1	718.6	745.0	767.8	767.2	762.9	748.7
3142.0	62.5°	3932.0	3941.9	2582.4	709.3	603.4	653.9	716.1	715.5	711.8	703.8
3489.9	65°	4113.0	3923.4	2192.0	558.5	508.6	578.8	645.9	650.8	651.4	650.8
3751.6	67.5°	4081.0	3707.3	1656.3	444.6	430.4	502.4	576.3	583.1	588.0	589.2
3784.9	70°	3719.0	3232.6	1080.0	354.7	360.8	435.3	510.4	517.2	521.5	526.4
3284.3	72.5°	2898.8	2376.7	618.2	286.9	299.9	377.4	445.2	453.2	455.6	464.9
2285.6	75°	1766.5	1397.7	333.7	226.0	246.3	322.6	380.5	389.8	394.1	405.1
1122.5	77.5°	839.8	605.3	190.3	176.1	198.3	263.5	321.4	331.9	320.2	326.3
309.7	80°	283.8	224.7	120.1	134.2	151.5	205.7	257.4	267.8	243.2	242.0
102.8	82.5°	99.1	91.1	76.3	89.3	97.9	147.2	194.6	208.1	181.0	180.4
46.2	85°	38.8	36.9	42.5	48.6	58.5	90.5	128.1	134.8	111.4	89.9
13.5	87.5°	8.0	8.6	10.5	11.1	17.9	31.4	46.2	56.6	44.9	38.2
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°
1327.5
1377.4
1450.0
1533.8
1629.2
1738.2
1872.4
2018.3
2097.8
2056.5
1945.7
1833.0
1734.5
1640.3
1538.7
1430.3
1334.3
1312.1
1253.0
1149.6
983.3
847.2
801.1
763.5
743.8
700.7
650.8
590.5
528.9
468.6
406.4
321.4
239.5
171.8
88.7
35.1
0.0

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