

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: P847293

Luminaire Tested: **GLAN-SB3B-827-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847293  
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-827-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 80 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: 13353 lumens  
Efficiency: N/A  
Efficacy: 122.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B2 - U0 - G3

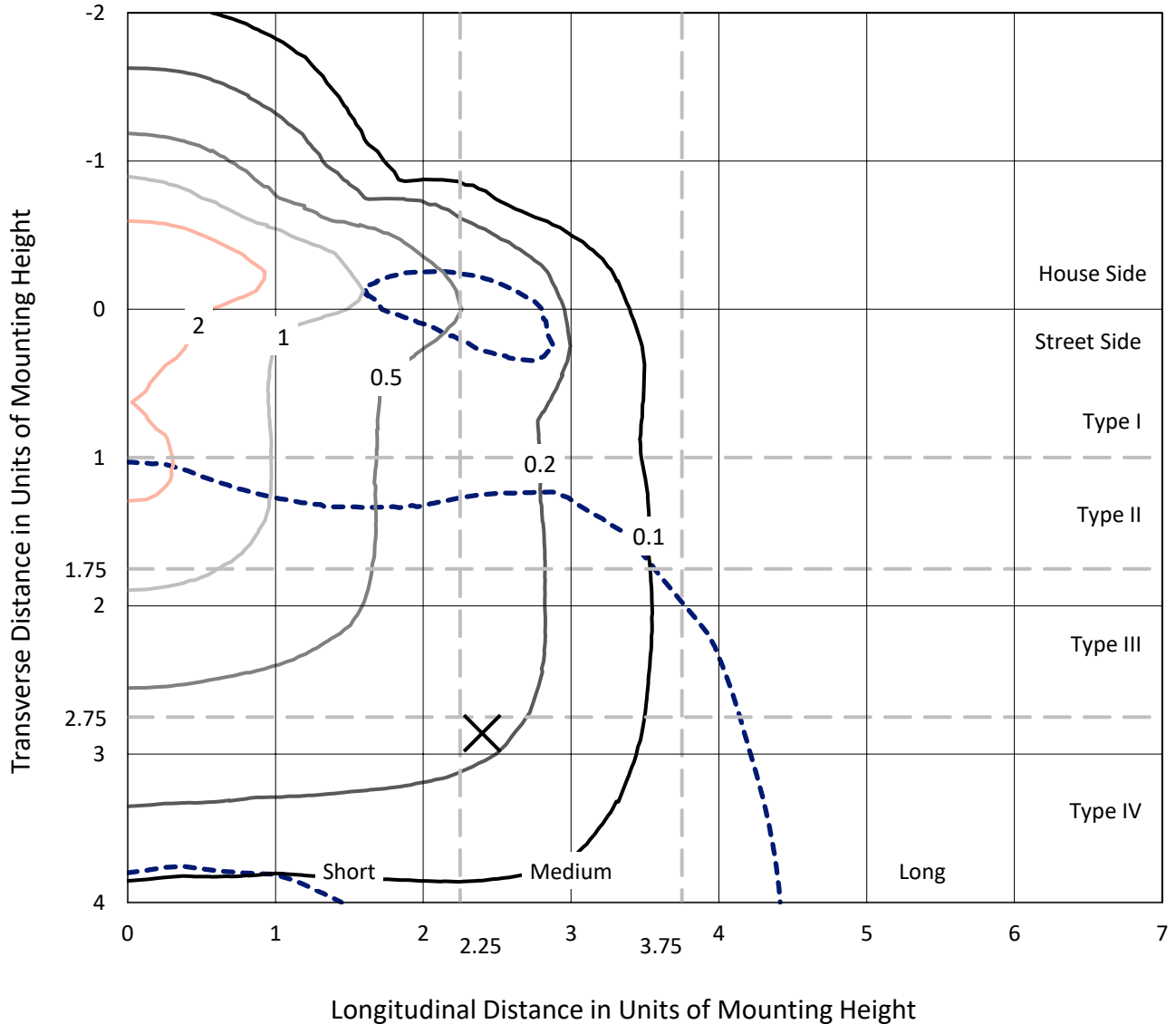
Input Watts (W): 109.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

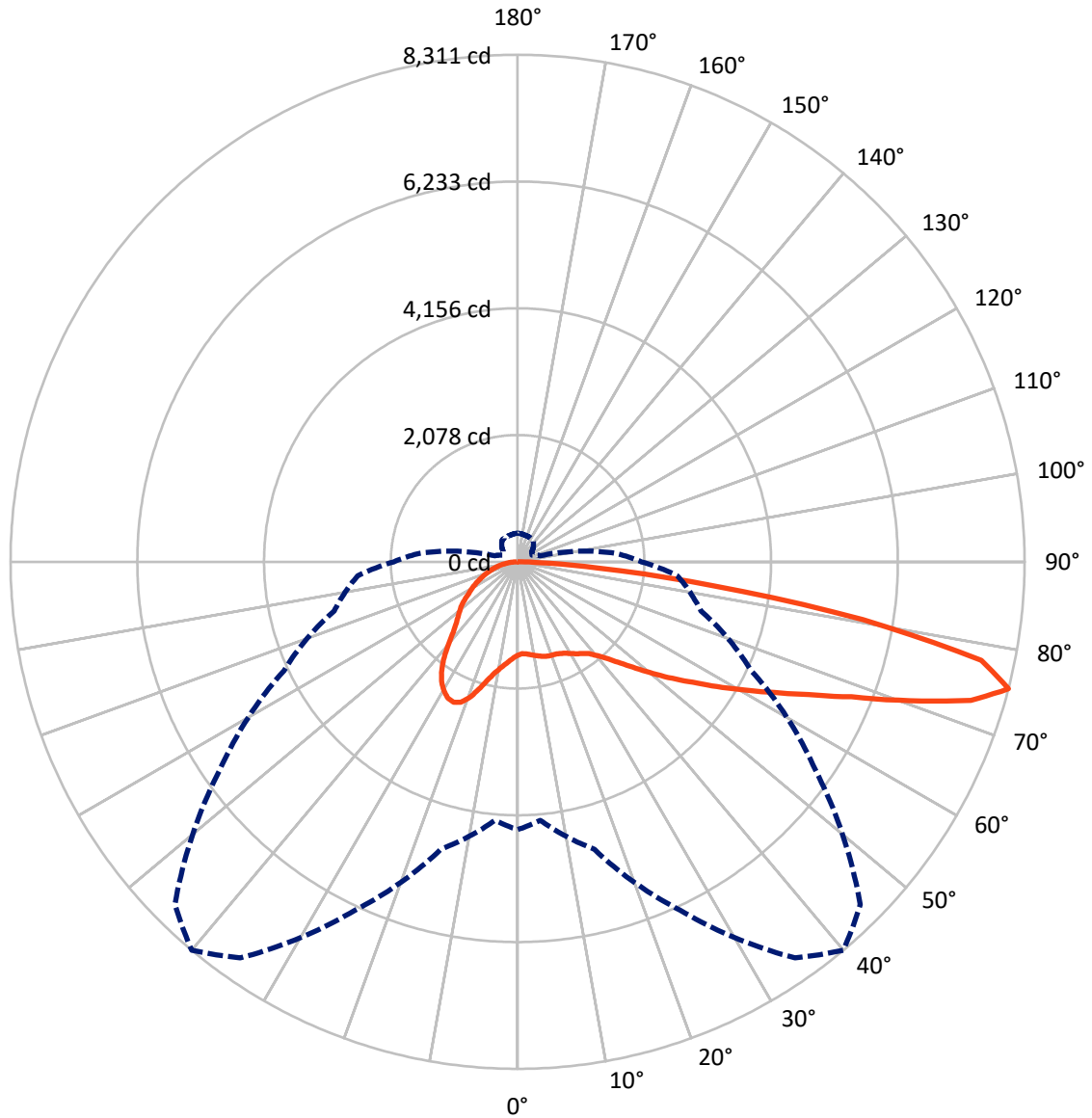
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.2 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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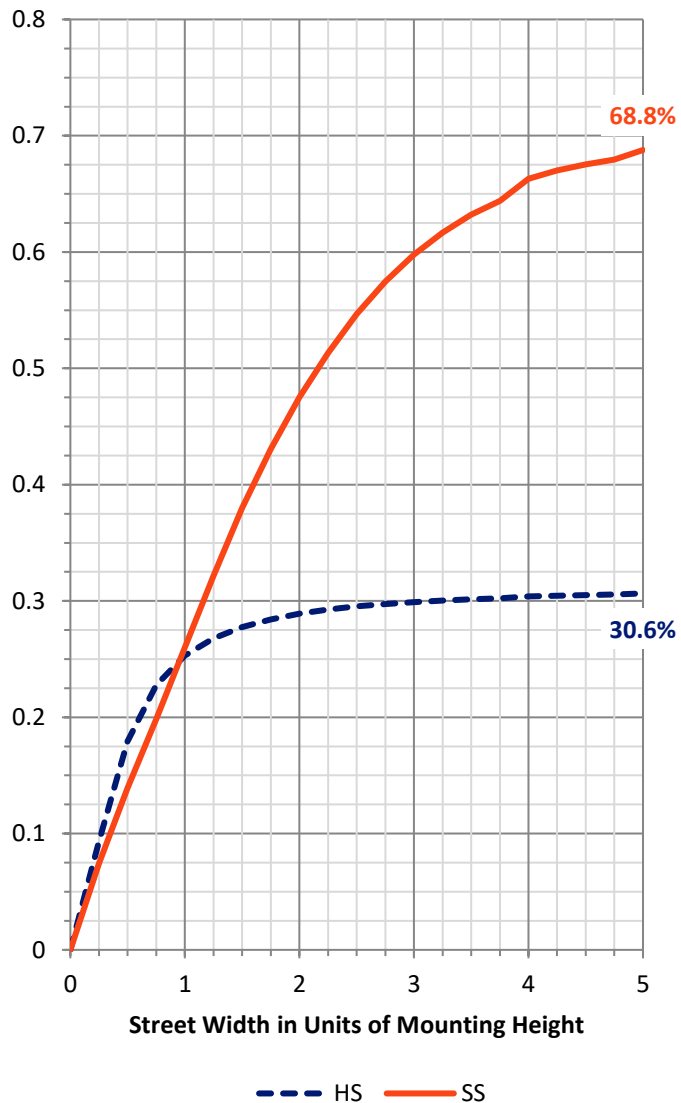
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4137.2	0.0	4137.2
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	9215.8	0.0	9215.8
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	13353.0	0.0	13353.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	152.4	1.1
10°-20°	511.7	3.8
20°-30°	934.4	7.0
30°-40°	1325.2	9.9
40°-50°	1789.4	13.4
50°-60°	2407.3	18.0
60°-70°	3055.4	22.9
70°-80°	2772.9	20.8
80°-90°	404.2	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°	13353.0	100.0
0°-180°	13353.0	100.0

**Coefficient of Utilization**

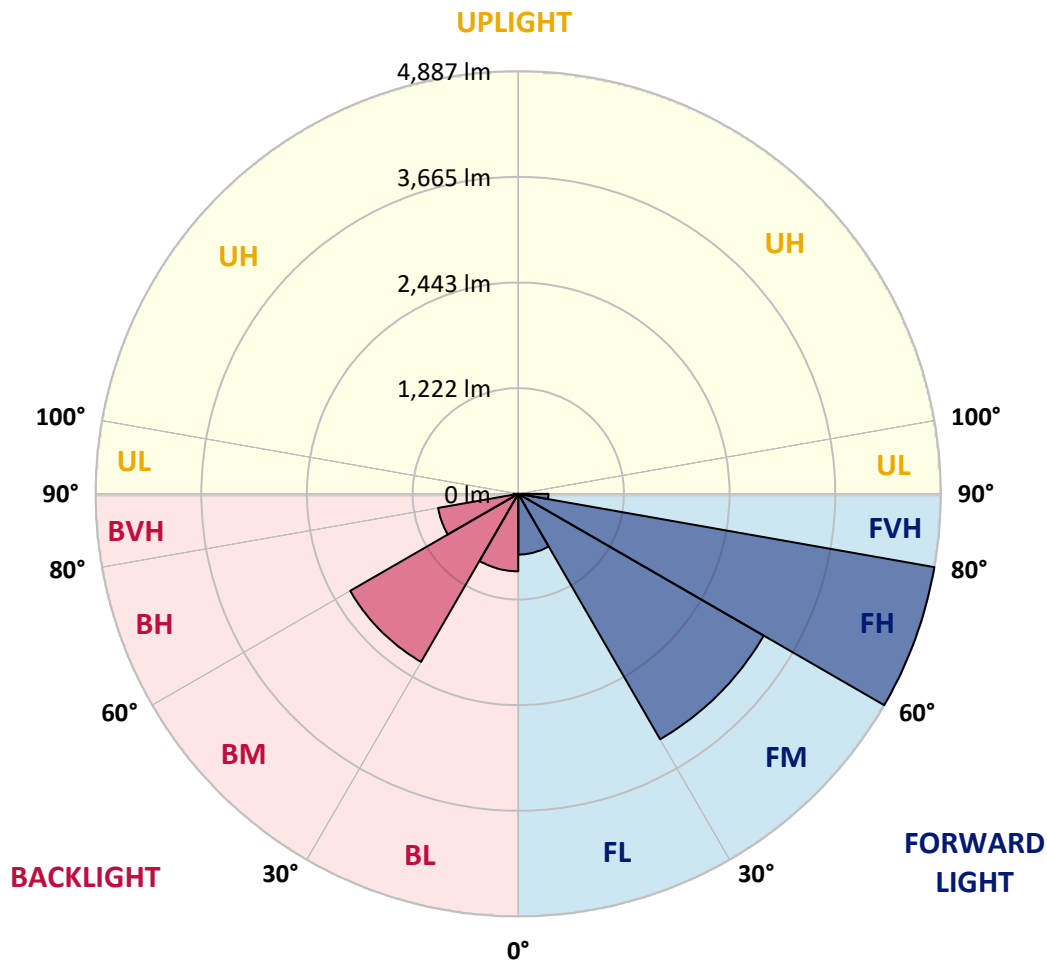


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	702.4	5.3			
FM (30°-60°)	3277.9	24.5			
FH (60°-80°)	4887.0	36.6			G2/5000
FVH (80°-90°)	348.6	2.6			G3/500
BL (0°-30°)	896.2	6.7	B2/1000		
BM (30°-60°)	2244.1	16.8	B2/2500		
BH (60°-80°)	941.3	7.0	B2/1000		G2/1000
BVH (80°-90°)	55.6	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°	1526.9	1526.9	1526.9	1526.9	1526.9	1526.9	1526.9	1526.9	1526.9	1526.9
2.5°	1503.6	1512.1	1509.9	1507.1	1507.1	1507.8	1507.1	1512.1	1517.0	1522.0
5°	1519.1	1527.6	1523.4	1519.9	1517.0	1516.3	1514.2	1513.5	1516.3	1522.7
7.5°	1549.6	1558.1	1551.7	1545.3	1539.7	1536.8	1534.0	1529.8	1527.6	1531.2
10°	1583.6	1592.1	1584.3	1573.0	1563.8	1560.2	1557.4	1553.1	1550.3	1552.4
12.5°	1617.6	1626.1	1615.5	1599.9	1587.8	1585.7	1582.2	1580.8	1580.1	1579.3
15°	1649.5	1656.5	1643.1	1624.7	1611.9	1608.4	1604.8	1607.0	1610.5	1614.8
17.5°	1674.2	1681.3	1661.5	1637.4	1625.4	1624.0	1621.8	1628.9	1638.8	1649.5
20°	1696.9	1704.0	1678.5	1645.9	1631.8	1631.8	1632.5	1647.3	1661.5	1677.1
22.5°	1728.8	1734.4	1703.3	1658.7	1638.1	1639.5	1645.2	1660.1	1677.8	1699.0
25°	1776.2	1780.5	1742.2	1682.7	1659.4	1663.6	1668.6	1675.7	1692.7	1717.4
27.5°	1852.7	1856.3	1806.0	1725.2	1689.8	1696.9	1704.0	1699.0	1706.8	1728.1
30°	1960.4	1962.5	1898.8	1791.8	1741.5	1745.1	1746.5	1725.9	1711.1	1728.1
32.5°	2087.8	2087.1	2011.4	1872.5	1800.3	1796.8	1784.7	1744.4	1709.7	1724.5
35°	2285.4	2277.7	2179.9	1985.9	1866.9	1844.9	1816.6	1764.9	1716.7	1721.0
37.5°	2612.6	2588.6	2453.3	2171.4	1966.0	1910.1	1868.3	1798.2	1732.3	1719.6
40°	2981.6	2951.2	2802.4	2425.7	2114.8	2024.8	1957.5	1845.6	1757.8	1725.9
42.5°	3419.3	3376.1	3216.1	2725.3	2303.1	2172.8	2071.6	1905.8	1795.4	1746.5
45°	3956.9	3899.5	3672.9	3063.1	2540.4	2366.9	2231.6	1997.2	1852.7	1786.1
47.5°	4500.1	4514.2	4192.0	3449.8	2825.1	2606.3	2432.0	2134.6	1936.3	1849.9
50°	5077.3	5087.2	4708.3	3878.2	3148.1	2876.8	2657.3	2288.3	2052.4	1940.5
52.5°	5527.7	5529.1	5177.1	4326.5	3484.5	3174.3	2900.2	2463.9	2187.0	2060.9
55°	5809.6	5806.0	5505.7	4750.8	3871.2	3486.6	3169.3	2663.6	2351.3	2202.6
57.5°	6014.2	6003.6	5732.4	5115.5	4283.3	3855.6	3473.8	2890.3	2545.4	2371.1
60°	6092.2	6085.8	5886.1	5430.7	4716.8	4263.5	3825.1	3143.8	2765.6	2570.1
62.5°	6121.9	6133.9	6036.9	5735.9	5180.7	4715.4	4211.1	3446.9	3013.5	2795.4
65°	6226.7	6248.7	6228.8	6135.4	5704.8	5244.4	4723.2	3807.4	3284.0	3036.9
67.5°	6434.2	6456.2	6464.7	6613.4	6345.0	5903.8	5362.0	4256.4	3600.6	3287.6
70°	6429.3	6422.9	6573.0	6993.7	7146.7	6816.7	6223.2	4808.8	3978.1	3495.8
72.5°	5852.1	5801.1	6155.9	6989.5	7813.8	7769.9	7274.9	5521.3	4303.9	3521.3
75°	4390.3	4254.3	4881.1	6299.0	7925.0	8311.0	7943.5	5963.3	4226.7	3111.2
77.5°	1877.5	1740.8	2479.5	4663.0	7092.9	7769.2	7330.1	5202.6	3374.0	2057.4
80°	491.5	490.8	749.3	2114.1	4823.7	5737.3	5033.4	3359.8	1927.8	735.1
82.5°	203.3	198.3	275.5	822.2	2357.0	3219.6	2627.5	1498.6	696.2	199.0
85°	75.8	75.1	133.9	284.0	831.5	1327.9	961.1	383.1	173.5	97.0
87.5°	21.2	20.5	29.0	98.4	202.6	307.4	164.3	63.0	48.9	38.2
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°
1526.9	0°	1526.9	1526.9	1526.9	1526.9	1526.9	1526.9	1526.9	1526.9	1526.9	1526.9
1529.8	2.5°	1531.9	1535.4	1541.8	1546.8	1553.1	1560.2	1570.1	1576.5	1582.9	1587.1
1533.3	5°	1538.3	1546.1	1562.3	1578.6	1597.8	1615.5	1636.0	1650.9	1662.9	1666.5
1546.1	7.5°	1552.4	1565.2	1592.8	1620.4	1650.9	1679.9	1709.7	1735.2	1755.7	1763.5
1568.7	10°	1577.2	1594.2	1633.2	1672.1	1712.5	1757.1	1795.4	1832.2	1861.2	1873.3
1595.6	12.5°	1608.4	1629.6	1680.6	1734.4	1790.4	1852.0	1901.6	1946.9	1983.0	1999.3
1633.2	15°	1648.7	1676.4	1741.5	1813.8	1895.9	1981.6	2044.6	2094.9	2135.3	2155.1
1672.1	17.5°	1692.7	1729.5	1811.6	1920.7	2038.3	2150.9	2224.5	2261.4	2303.1	2322.3
1708.2	20°	1735.2	1780.5	1898.0	2056.7	2213.2	2332.9	2392.4	2402.3	2405.1	2407.3
1742.2	22.5°	1779.1	1840.0	2006.4	2228.1	2395.9	2478.8	2487.3	2444.8	2385.3	2357.7
1775.5	25°	1827.2	1908.0	2148.0	2417.2	2553.2	2563.1	2497.9	2394.5	2281.9	2230.2
1802.4	27.5°	1874.0	1986.6	2318.0	2597.8	2666.5	2579.4	2439.1	2292.5	2156.5	2102.0
1821.6	30°	1920.7	2076.5	2505.7	2755.7	2718.2	2539.0	2346.3	2182.7	2046.1	1988.7
1838.6	32.5°	1968.2	2181.3	2721.7	2869.7	2709.0	2453.3	2230.9	2059.5	1939.1	1878.9
1853.4	35°	2022.0	2310.2	2926.4	2932.1	2647.3	2327.2	2078.6	1912.2	1807.4	1759.2
1871.1	37.5°	2092.1	2473.8	3107.0	2947.6	2539.7	2142.4	1889.5	1738.0	1651.6	1629.6
1897.3	40°	2179.2	2670.7	3245.1	2922.8	2380.3	1917.9	1682.7	1561.6	1512.8	1517.7
1932.7	42.5°	2292.5	2891.0	3342.1	2859.1	2158.7	1686.3	1501.4	1447.6	1471.0	1490.8
1985.9	45°	2439.8	3119.7	3402.3	2750.7	1908.0	1490.1	1394.5	1407.2	1424.9	1427.1
2071.6	47.5°	2628.2	3351.3	3442.0	2587.1	1652.3	1352.0	1326.5	1329.3	1325.8	1310.9
2199.7	50°	2863.4	3576.5	3477.4	2370.4	1434.9	1265.6	1231.6	1221.7	1172.8	1124.7
2370.4	52.5°	3131.1	3783.3	3492.3	2101.3	1265.6	1193.4	1138.1	1075.8	984.4	969.6
2585.0	55°	3428.5	3974.6	3454.0	1770.6	1123.2	1100.6	1017.0	941.9	932.0	919.3
2867.6	57.5°	3784.0	4180.7	3376.1	1401.6	977.4	992.2	910.8	919.3	901.6	881.7
3230.9	60°	4172.9	4393.8	3239.4	1065.2	826.5	857.0	883.2	882.4	877.5	861.2
3614.1	62.5°	4522.7	4534.1	2970.3	815.9	694.1	752.1	823.7	823.0	818.7	809.5
4014.2	65°	4730.9	4512.8	2521.3	642.4	585.0	665.7	742.9	748.6	749.3	748.6
4315.2	67.5°	4694.1	4264.2	1905.1	511.3	495.0	577.9	662.9	670.7	676.4	677.8
4353.5	70°	4277.7	3718.2	1242.2	407.9	415.0	500.7	587.1	594.9	599.9	605.5
3777.7	72.5°	3334.3	2733.7	711.1	330.0	344.9	434.1	512.0	521.3	524.1	534.7
2628.9	75°	2031.9	1607.7	383.9	259.9	283.3	371.1	437.7	448.3	453.3	466.0
1291.1	77.5°	966.0	696.2	218.8	202.6	228.0	303.1	369.7	381.7	368.3	375.4
356.2	80°	326.5	258.5	138.1	154.4	174.2	236.5	296.0	308.1	279.7	278.3
118.3	82.5°	114.0	104.8	87.8	102.7	112.6	169.3	223.8	239.4	208.2	207.5
53.1	85°	44.6	42.5	48.9	55.9	67.3	104.1	147.3	155.1	128.2	103.4
15.6	87.5°	9.2	9.9	12.0	12.7	20.5	36.1	53.1	65.2	51.7	43.9
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°
1526.9
1584.3
1667.9
1764.2
1874.0
1999.3
2153.7
2321.6
2412.9
2365.5
2238.0
2108.4
1995.1
1886.7
1769.9
1645.2
1534.7
1509.2
1441.2
1322.3
1131.0
974.5
921.4
878.2
855.5
806.0
748.6
679.2
608.4
539.0
467.4
369.7
275.5
197.6
102.0
40.4
0.0

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