

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: P846813

Luminaire Tested: **GLAN-SB2C-840-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846813  
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-840-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 80 CRI, 4000K, 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: 13203 lumens  
Efficiency: N/A  
Efficacy: 130.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B2 - U0 - G3

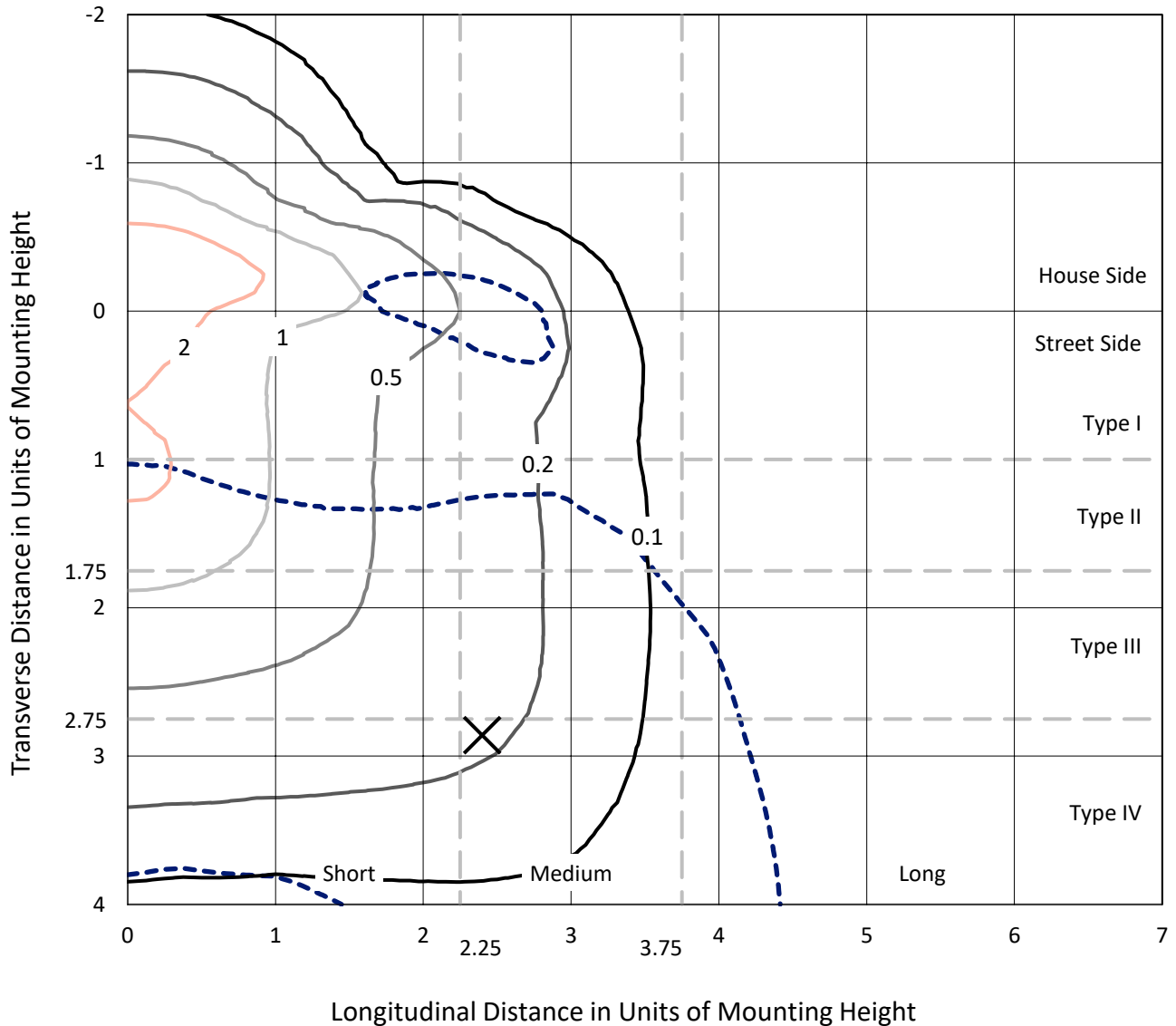
Input Watts (W): 100.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

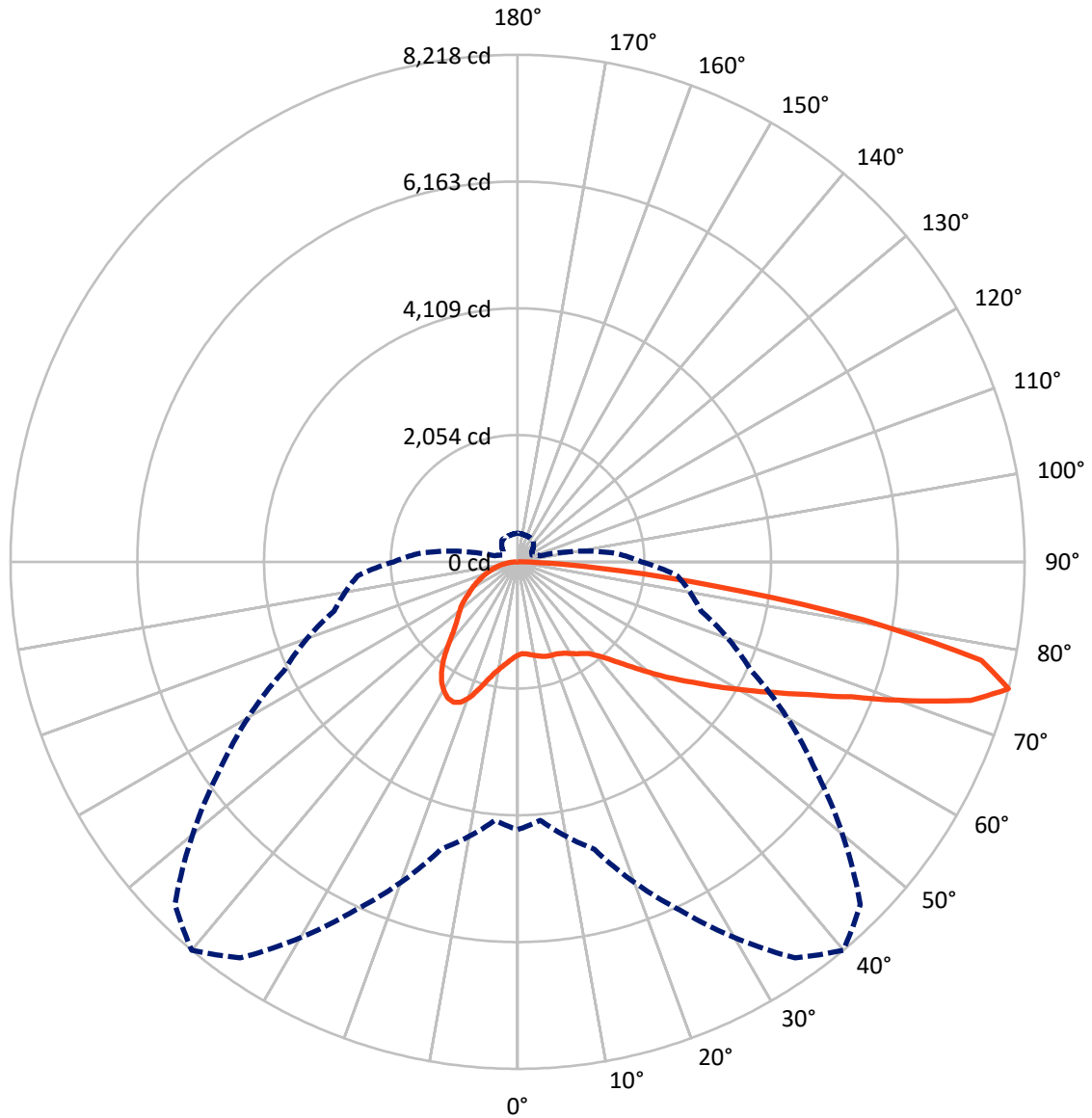
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 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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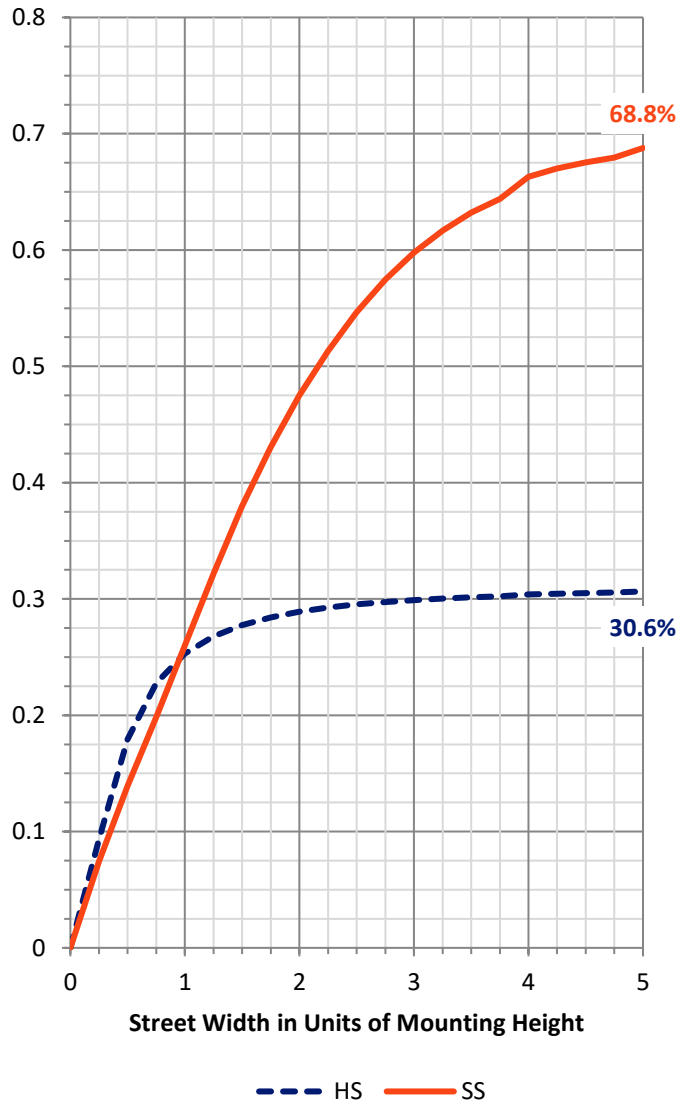
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4090.7	0.0	4090.7
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	9112.3	0.0	9112.3
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	13203.0	0.0	13203.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	150.7	1.1
10°-20°	506.0	3.8
20°-30°	923.9	7.0
30°-40°	1310.3	9.9
40°-50°	1769.3	13.4
50°-60°	2380.2	18.0
60°-70°	3021.1	22.9
70°-80°	2741.8	20.8
80°-90°	399.7	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°	13203.0	100.0
0°-180°	13203.0	100.0

**Coefficient of Utilization**

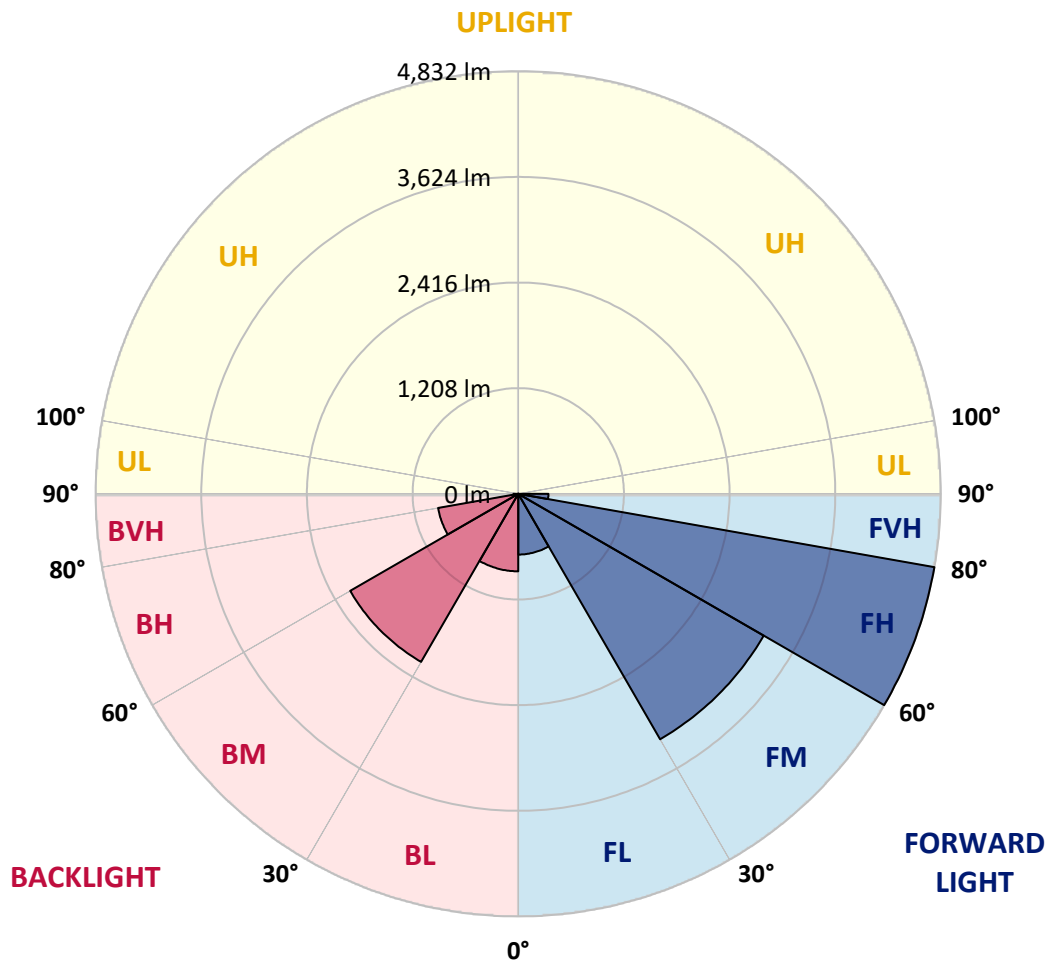


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	694.5	5.3			
FM (30°-60°)	3241.0	24.5			
FH (60°-80°)	4832.1	36.6			G2/5000
FVH (80°-90°)	344.6	2.6			G3/500
BL (0°-30°)	886.1	6.7	B2/1000		
BM (30°-60°)	2218.8	16.8	B2/2500		
BH (60°-80°)	930.8	7.0	B2/1000		G2/1000
BVH (80°-90°)	55.0	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°	1509.8	1509.8	1509.8	1509.8	1509.8	1509.8	1509.8	1509.8	1509.8	1509.8
2.5°	1486.7	1495.1	1493.0	1490.2	1490.2	1490.9	1490.2	1495.1	1500.0	1504.9
5°	1502.1	1510.5	1506.3	1502.8	1500.0	1499.3	1497.2	1496.5	1499.3	1505.6
7.5°	1532.2	1540.6	1534.3	1528.0	1522.4	1519.6	1516.8	1512.6	1510.5	1514.0
10°	1565.8	1574.2	1566.5	1555.3	1546.2	1542.7	1539.9	1535.7	1532.9	1535.0
12.5°	1599.4	1607.8	1597.3	1581.9	1570.0	1567.9	1564.4	1563.0	1562.3	1561.6
15°	1630.9	1637.9	1624.6	1606.4	1593.8	1590.3	1586.8	1588.9	1592.4	1596.6
17.5°	1655.4	1662.4	1642.8	1619.0	1607.1	1605.7	1603.6	1610.6	1620.4	1630.9
20°	1677.8	1684.8	1659.6	1627.4	1613.4	1613.4	1614.1	1628.8	1642.8	1658.2
22.5°	1709.4	1715.0	1684.1	1640.0	1619.7	1621.1	1626.7	1641.4	1658.9	1679.9
25°	1756.3	1760.5	1722.7	1663.8	1640.7	1644.9	1649.8	1656.8	1673.6	1698.2
27.5°	1831.9	1835.4	1785.7	1705.9	1670.8	1677.8	1684.8	1679.9	1687.6	1708.7
30°	1938.3	1940.4	1877.4	1771.7	1722.0	1725.5	1726.9	1706.6	1691.9	1708.7
32.5°	2064.4	2063.7	1988.8	1851.5	1780.1	1776.6	1764.7	1724.8	1690.5	1705.2
35°	2259.8	2252.1	2155.4	1963.6	1845.9	1824.2	1796.2	1745.1	1697.5	1701.7
37.5°	2583.3	2559.5	2425.7	2147.0	1943.9	1888.6	1847.3	1778.0	1712.9	1700.3
40°	2948.1	2918.0	2771.0	2398.4	2091.0	2002.1	1935.5	1824.9	1738.1	1706.6
42.5°	3380.9	3338.2	3179.9	2694.6	2277.3	2148.4	2048.3	1884.4	1775.2	1726.9
45°	3912.4	3855.7	3631.6	3028.7	2511.9	2340.3	2206.5	1974.8	1831.9	1766.1
47.5°	4449.5	4463.5	4144.9	3411.0	2793.4	2577.0	2404.7	2110.6	1914.5	1829.1
50°	5020.2	5030.0	4655.4	3834.7	3112.7	2844.5	2627.4	2262.6	2029.4	1918.7
52.5°	5465.6	5467.0	5119.0	4277.9	3445.3	3138.6	2867.6	2436.2	2162.4	2037.8
55°	5744.3	5740.8	5443.9	4697.4	3827.7	3447.4	3133.7	2633.7	2324.9	2177.8
57.5°	5946.7	5936.2	5668.0	5058.0	4235.2	3812.3	3434.8	2857.8	2516.8	2344.5
60°	6023.7	6017.4	5819.9	5369.7	4663.8	4215.6	3782.2	3108.5	2734.6	2541.3
62.5°	6053.1	6065.0	5969.1	5671.5	5122.5	4662.4	4163.8	3408.2	2979.6	2764.0
65°	6156.8	6178.5	6158.9	6066.4	5640.7	5185.5	4670.1	3764.6	3247.1	3002.8
67.5°	6361.9	6383.7	6392.1	6539.1	6273.7	5837.4	5301.7	4208.6	3560.2	3250.7
70°	6357.0	6350.7	6499.2	6915.2	7066.4	6740.1	6153.3	4754.8	3933.4	3456.5
72.5°	5786.3	5735.9	6086.7	6911.0	7726.1	7682.7	7193.2	5459.3	4255.5	3481.7
75°	4341.0	4206.5	4826.3	6228.2	7836.0	8217.7	7854.2	5896.3	4179.2	3076.3
77.5°	1856.4	1721.3	2451.6	4610.6	7013.2	7682.0	7247.8	5144.2	3336.1	2034.3
80°	486.0	485.3	740.9	2090.3	4769.5	5672.9	4976.8	3322.1	1906.1	726.9
82.5°	201.0	196.1	272.4	813.0	2330.5	3183.4	2598.0	1481.8	688.4	196.8
85°	74.9	74.2	132.4	280.8	822.1	1313.0	950.3	378.8	171.6	95.9
87.5°	21.0	20.3	28.7	97.3	200.3	303.9	162.5	62.3	48.3	37.8
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°
1509.8	0°	1509.8	1509.8	1509.8	1509.8	1509.8	1509.8	1509.8	1509.8	1509.8	1509.8
1512.6	2.5°	1514.7	1518.2	1524.5	1529.4	1535.7	1542.7	1552.5	1558.8	1565.1	1569.3
1516.1	5°	1521.0	1528.7	1544.8	1560.9	1579.8	1597.3	1617.6	1632.3	1644.2	1647.7
1528.7	7.5°	1535.0	1547.6	1574.9	1602.2	1632.3	1661.0	1690.5	1715.7	1736.0	1743.7
1551.1	10°	1559.5	1576.3	1614.8	1653.3	1693.3	1737.4	1775.2	1811.6	1840.3	1852.2
1577.7	12.5°	1590.3	1611.3	1661.7	1715.0	1770.3	1831.2	1880.2	1925.0	1960.8	1976.9
1614.8	15°	1630.2	1657.5	1722.0	1793.4	1874.6	1959.4	2021.7	2071.4	2111.3	2130.9
1653.3	17.5°	1673.6	1710.1	1791.3	1899.1	2015.4	2126.7	2199.5	2236.0	2277.3	2296.2
1689.0	20°	1715.7	1760.5	1876.7	2033.6	2188.3	2306.7	2365.5	2375.3	2378.1	2380.2
1722.7	22.5°	1759.1	1819.3	1983.9	2203.0	2369.0	2450.9	2459.3	2417.3	2358.5	2331.2
1755.6	25°	1806.7	1886.5	2123.9	2390.0	2524.5	2534.3	2469.8	2367.6	2256.3	2205.1
1782.2	27.5°	1852.9	1964.3	2292.0	2568.6	2636.5	2550.4	2411.7	2266.8	2132.3	2078.4
1801.1	30°	1899.1	2053.2	2477.6	2724.7	2687.6	2510.5	2320.0	2158.2	2023.1	1966.4
1817.9	32.5°	1946.0	2156.8	2691.1	2837.5	2678.5	2425.7	2205.8	2036.4	1917.3	1857.8
1832.6	35°	1999.3	2284.3	2893.5	2899.1	2617.6	2301.1	2055.3	1890.7	1787.1	1739.5
1850.1	37.5°	2068.6	2446.0	3072.1	2914.5	2511.2	2118.3	1868.3	1718.5	1633.0	1611.3
1876.0	40°	2154.7	2640.7	3208.6	2890.0	2353.6	1896.3	1663.8	1544.1	1495.8	1500.7
1911.0	42.5°	2266.8	2858.5	3304.6	2827.0	2134.4	1667.3	1484.6	1431.4	1454.5	1474.1
1963.6	45°	2412.4	3084.7	3364.1	2719.8	1886.5	1473.4	1378.8	1391.4	1408.9	1411.0
2048.3	47.5°	2598.7	3313.7	3403.3	2558.1	1633.7	1336.8	1311.6	1314.4	1310.9	1296.2
2175.0	50°	2831.2	3536.4	3438.3	2343.8	1418.7	1251.4	1217.8	1208.0	1159.6	1112.0
2343.8	52.5°	3095.9	3740.8	3453.0	2077.7	1251.4	1180.0	1125.3	1063.7	973.4	958.7
2556.0	55°	3390.0	3929.9	3415.2	1750.7	1110.6	1088.2	1005.6	931.4	921.6	908.9
2835.4	57.5°	3741.5	4133.7	3338.2	1385.8	966.4	981.1	900.5	908.9	891.4	871.8
3194.6	60°	4126.0	4344.5	3203.0	1053.2	817.2	847.3	873.2	872.5	867.6	851.5
3573.5	62.5°	4471.9	4483.1	2936.9	806.7	686.3	743.7	814.4	813.7	809.5	800.4
3969.1	65°	4677.8	4462.1	2493.0	635.1	578.4	658.3	734.6	740.2	740.9	740.2
4266.7	67.5°	4641.4	4216.3	1883.7	505.6	489.5	571.4	655.5	663.2	668.8	670.2
4304.6	70°	4229.6	3676.4	1228.3	403.4	410.4	495.1	580.5	588.2	593.1	598.7
3735.2	72.5°	3296.9	2703.0	703.1	326.3	341.0	429.3	506.3	515.4	518.2	528.7
2599.4	75°	2009.1	1589.6	379.5	257.0	280.1	366.9	432.8	443.3	448.2	460.8
1276.6	77.5°	955.2	688.4	216.4	200.3	225.5	299.7	365.5	377.4	364.1	371.1
352.2	80°	322.8	255.6	136.6	152.7	172.3	233.9	292.7	304.6	276.6	275.2
116.9	82.5°	112.7	103.6	86.8	101.5	111.3	167.4	221.3	236.7	205.9	205.2
52.5	85°	44.1	42.0	48.3	55.3	66.5	102.9	145.7	153.4	126.7	102.2
15.4	87.5°	9.1	9.8	11.9	12.6	20.3	35.7	52.5	64.4	51.1	43.4
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°
1509.8
1566.5
1649.1
1744.4
1852.9
1976.9
2129.5
2295.5
2385.8
2338.9
2212.9
2084.7
1972.7
1865.5
1750.0
1626.7
1517.5
1492.3
1425.0
1307.4
1118.3
963.6
911.1
868.3
845.9
796.9
740.2
671.6
601.5
532.9
462.2
365.5
272.4
195.4
100.8
39.9
0.0

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