

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: P847223

Luminaire Tested: **GLAN-SB3B-722-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847223
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-722-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 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: 13096 lumens
Efficiency: N/A
Efficacy: 119.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G3

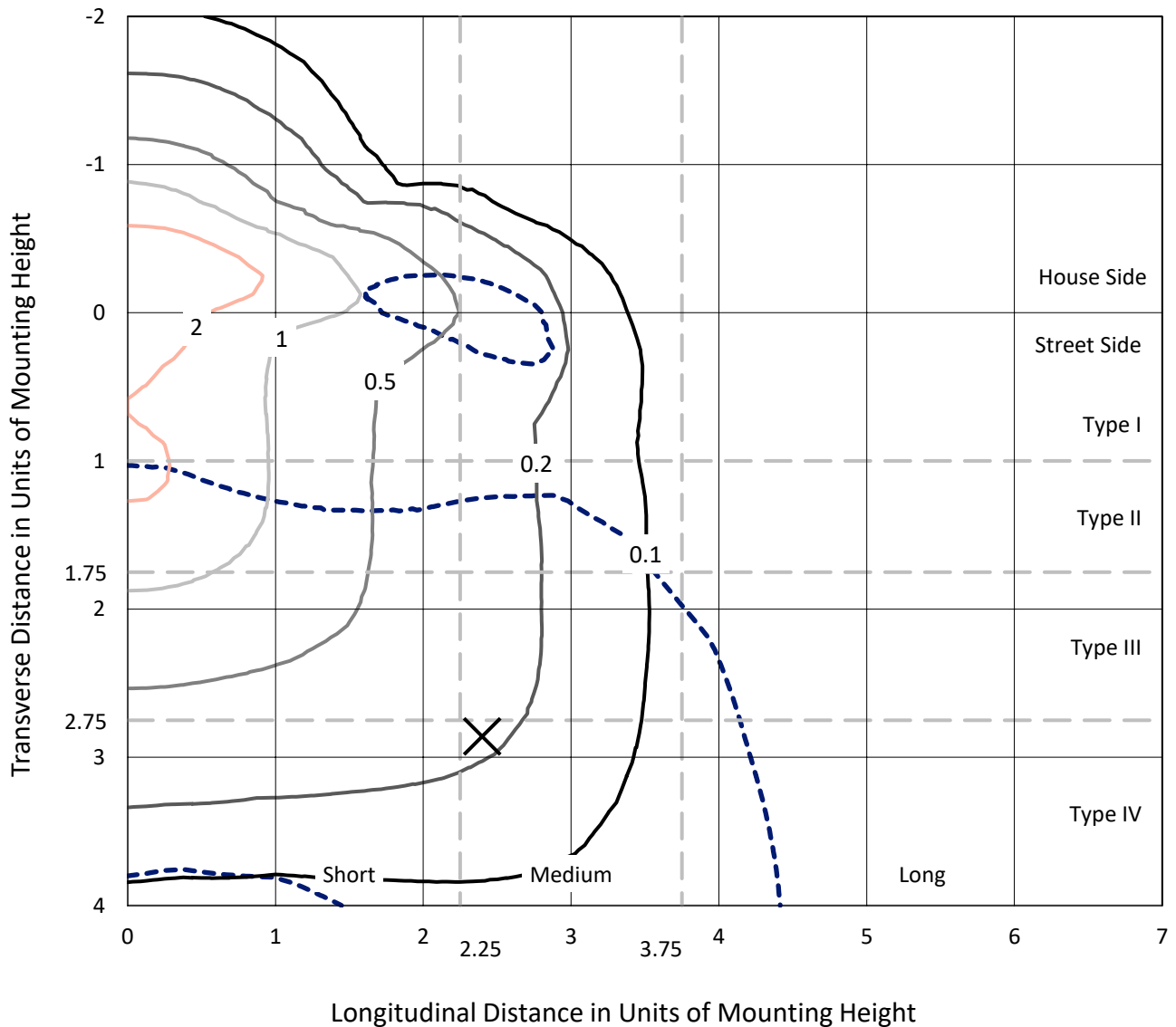
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

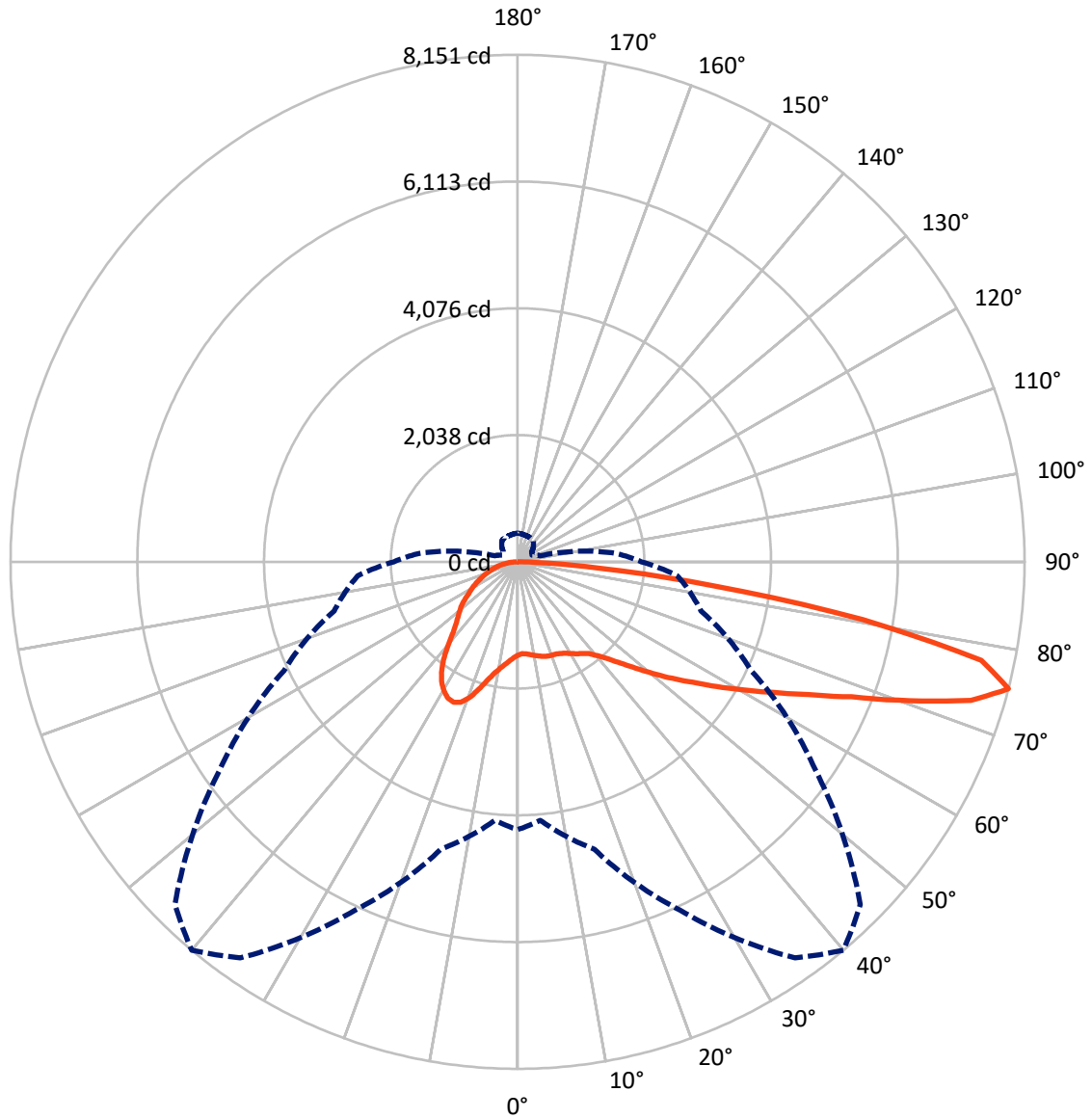
× Max cd
 - - - 1/2 Max cd



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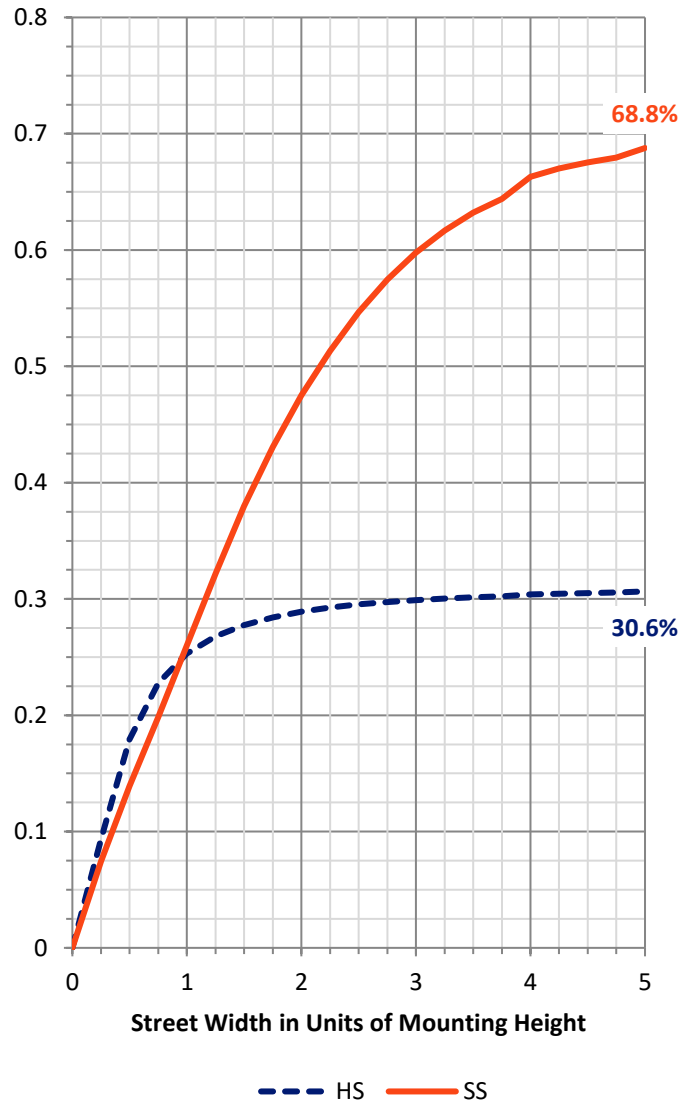
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4057.6	0.0	4057.6
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	9038.4	0.0	9038.4
	% Fixture	69.0	0.0	69.0
Total	Lumens	13096.0	0.0	13096.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.5	1.1
10°-20°	501.9	3.8
20°-30°	916.4	7.0
30°-40°	1299.7	9.9
40°-50°	1755.0	13.4
50°-60°	2360.9	18.0
60°-70°	2996.6	22.9
70°-80°	2719.6	20.8
80°-90°	396.4	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°	13096.0	100.0
0°-180°	13096.0	100.0

Coefficient of Utilization

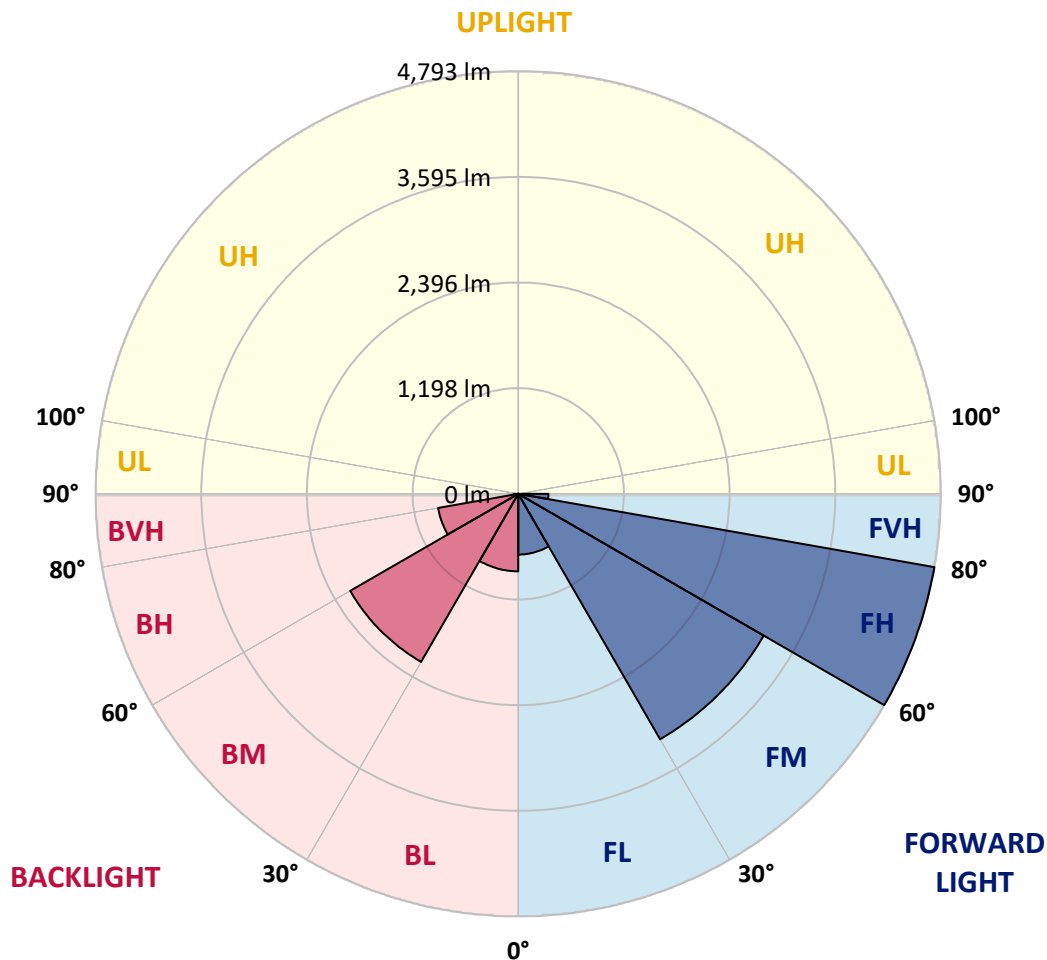


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	688.9	5.3			
FM (30°-60°)	3214.8	24.5			
FH (60°-80°)	4792.9	36.6			G2/5000
FVH (80°-90°)	341.9	2.6			G3/500
BL (0°-30°)	878.9	6.7	B2/1000		
BM (30°-60°)	2200.9	16.8	B2/2500		
BH (60°-80°)	923.2	7.0	B2/1000		G2/1000
BVH (80°-90°)	54.6	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°	1497.5	1497.5	1497.5	1497.5	1497.5	1497.5	1497.5	1497.5	1497.5	1497.5
2.5°	1474.6	1483.0	1480.9	1478.1	1478.1	1478.8	1478.1	1483.0	1487.8	1492.7
5°	1489.9	1498.2	1494.1	1490.6	1487.8	1487.1	1485.0	1484.3	1487.1	1493.4
7.5°	1519.8	1528.1	1521.9	1515.6	1510.0	1507.3	1504.5	1500.3	1498.2	1501.7
10°	1553.1	1561.4	1553.8	1542.7	1533.7	1530.2	1527.4	1523.2	1520.5	1522.6
12.5°	1586.5	1594.8	1584.4	1569.1	1557.3	1555.2	1551.7	1550.3	1549.6	1548.9
15°	1617.7	1624.7	1611.5	1593.4	1580.9	1577.4	1574.0	1576.0	1579.5	1583.7
17.5°	1642.0	1649.0	1629.5	1605.9	1594.1	1592.7	1590.6	1597.6	1607.3	1617.7
20°	1664.2	1671.2	1646.2	1614.2	1600.3	1600.3	1601.0	1615.6	1629.5	1644.8
22.5°	1695.5	1701.1	1670.5	1626.7	1606.6	1608.0	1613.5	1628.1	1645.5	1666.3
25°	1742.0	1746.2	1708.7	1650.4	1627.4	1631.6	1636.5	1643.4	1660.1	1684.4
27.5°	1817.1	1820.5	1771.2	1692.0	1657.3	1664.2	1671.2	1666.3	1674.0	1694.8
30°	1922.6	1924.7	1862.2	1757.3	1708.0	1711.5	1712.9	1692.7	1678.1	1694.8
32.5°	2047.7	2047.0	1972.6	1836.5	1765.7	1762.2	1750.4	1710.8	1676.8	1691.3
35°	2241.5	2233.8	2138.0	1947.6	1831.0	1809.4	1781.6	1730.9	1683.7	1687.9
37.5°	2562.4	2538.7	2406.1	2129.6	1928.2	1873.3	1832.3	1763.6	1699.0	1686.5
40°	2924.2	2894.4	2748.5	2379.0	2074.1	1985.8	1919.9	1810.1	1724.0	1692.7
42.5°	3353.5	3311.1	3154.2	2672.8	2258.8	2131.0	2031.7	1869.2	1760.8	1712.9
45°	3880.7	3824.4	3602.2	3004.1	2491.5	2321.3	2188.7	1958.8	1817.1	1751.8
47.5°	4413.5	4427.3	4111.3	3383.4	2770.7	2556.1	2385.2	2093.5	1899.0	1814.3
50°	4979.5	4989.3	4617.7	3803.6	3087.5	2821.4	2606.1	2244.2	2012.9	1903.2
52.5°	5421.3	5422.7	5077.5	4243.3	3417.4	3113.2	2844.4	2416.5	2144.9	2021.3
55°	5697.8	5694.3	5399.8	4659.3	3796.7	3419.5	3108.3	2612.4	2306.1	2160.2
57.5°	5898.5	5888.1	5622.0	5017.1	4200.9	3781.4	3407.0	2834.6	2496.4	2325.5
60°	5974.9	5968.6	5772.8	5326.1	4626.0	4181.5	3751.5	3083.3	2712.4	2520.7
62.5°	6004.1	6015.9	5920.7	5625.5	5081.0	4624.6	4130.1	3380.6	2955.5	2741.6
65°	6106.9	6128.4	6109.0	6017.3	5595.0	5143.5	4632.2	3734.1	3220.8	2978.4
67.5°	6310.4	6331.9	6340.3	6486.1	6222.9	5790.1	5258.8	4174.5	3531.3	3224.3
70°	6305.5	6299.3	6446.5	6859.1	7009.1	6685.5	6103.4	4716.3	3901.5	3428.5
72.5°	5739.4	5689.4	6037.4	6854.9	7663.5	7620.4	7134.9	5415.1	4221.0	3453.5
75°	4305.8	4172.4	4787.1	6177.7	7772.5	8151.1	7790.6	5848.5	4145.3	3051.4
77.5°	1841.4	1707.3	2431.8	4573.2	6956.4	7619.7	7189.0	5102.5	3309.0	2017.8
80°	482.0	481.4	734.9	2073.4	4730.9	5626.9	4936.5	3295.2	1890.7	721.0
82.5°	199.3	194.5	270.2	806.4	2311.6	3157.6	2576.9	1469.8	682.8	195.2
85°	74.3	73.6	131.3	278.5	815.5	1302.4	942.6	375.8	170.2	95.2
87.5°	20.8	20.1	28.5	96.5	198.7	301.5	161.1	61.8	47.9	37.5
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°
1497.5	0°	1497.5	1497.5	1497.5	1497.5	1497.5	1497.5	1497.5	1497.5	1497.5	1497.5
1500.3	2.5°	1502.4	1505.9	1512.1	1517.0	1523.2	1530.2	1539.9	1546.2	1552.4	1556.6
1503.8	5°	1508.7	1516.3	1532.3	1548.3	1567.0	1584.4	1604.5	1619.1	1630.9	1634.4
1516.3	7.5°	1522.6	1535.1	1562.1	1589.2	1619.1	1647.6	1676.8	1701.8	1721.9	1729.5
1538.5	10°	1546.9	1563.5	1601.7	1639.9	1679.5	1723.3	1760.8	1796.9	1825.4	1837.2
1564.9	12.5°	1577.4	1598.3	1648.3	1701.1	1755.9	1816.4	1865.0	1909.4	1944.9	1960.8
1601.7	15°	1617.0	1644.1	1708.0	1778.9	1859.4	1943.5	2005.3	2054.6	2094.2	2113.7
1639.9	17.5°	1660.1	1696.2	1776.8	1883.7	1999.0	2109.5	2181.7	2217.8	2258.8	2277.6
1675.4	20°	1701.8	1746.2	1861.5	2017.1	2170.6	2288.0	2346.3	2356.1	2358.8	2360.9
1708.7	22.5°	1744.8	1804.6	1967.8	2185.2	2349.8	2431.1	2439.4	2397.7	2339.4	2312.3
1741.3	25°	1792.1	1871.2	2106.7	2370.6	2504.0	2513.7	2449.8	2348.4	2238.0	2187.3
1767.7	27.5°	1837.9	1948.3	2273.4	2547.8	2615.1	2529.7	2392.2	2248.4	2115.0	2061.6
1786.5	30°	1883.7	2036.6	2457.5	2702.7	2665.9	2490.1	2301.2	2140.7	2006.7	1950.4
1803.2	32.5°	1930.3	2139.4	2669.3	2814.5	2656.8	2406.1	2188.0	2019.9	1901.8	1842.8
1817.8	35°	1983.1	2265.8	2870.1	2875.6	2596.4	2282.4	2038.6	1875.4	1772.6	1725.4
1835.1	37.5°	2051.8	2426.2	3047.2	2890.9	2490.8	2101.1	1853.2	1704.5	1619.8	1598.3
1860.8	40°	2137.3	2619.3	3182.6	2866.6	2334.5	1881.0	1650.4	1531.6	1483.7	1488.5
1895.5	42.5°	2248.4	2835.3	3277.8	2804.1	2117.1	1653.8	1472.5	1419.8	1442.7	1462.1
1947.6	45°	2392.9	3059.7	3336.8	2697.8	1871.2	1461.4	1367.7	1380.2	1397.5	1399.6
2031.7	47.5°	2577.6	3286.8	3375.7	2537.4	1620.5	1326.0	1301.0	1303.8	1300.3	1285.7
2157.4	50°	2808.2	3507.7	3410.5	2324.8	1407.2	1241.2	1207.9	1198.2	1150.2	1103.0
2324.8	52.5°	3070.8	3710.5	3425.0	2060.9	1241.2	1170.4	1116.2	1055.1	965.5	950.9
2535.3	55°	3362.5	3898.1	3387.5	1736.5	1101.6	1079.4	997.4	923.8	914.1	901.6
2812.4	57.5°	3711.2	4100.2	3311.1	1374.6	958.5	973.1	893.2	901.6	884.2	864.8
3168.7	60°	4092.5	4309.3	3177.1	1044.7	810.6	840.5	866.2	865.5	860.6	844.6
3544.5	62.5°	4435.7	4446.8	2913.1	800.2	680.7	737.7	807.8	807.1	803.0	793.9
3937.0	65°	4639.9	4426.0	2472.8	630.0	573.7	652.9	728.6	734.2	734.9	734.2
4232.2	67.5°	4603.8	4182.2	1868.5	501.5	485.5	566.8	650.1	657.8	663.3	664.7
4269.7	70°	4195.3	3646.6	1218.3	400.1	407.0	491.1	575.8	583.5	588.3	593.9
3705.0	72.5°	3270.1	2681.1	697.4	323.7	338.3	425.8	502.2	511.2	514.0	524.4
2578.3	75°	1992.8	1576.7	376.5	254.9	277.8	364.0	429.3	439.7	444.5	457.0
1266.2	77.5°	947.4	682.8	214.6	198.7	223.7	297.3	362.6	374.4	361.2	368.1
349.4	80°	320.2	253.5	135.4	151.4	170.9	232.0	290.3	302.1	274.4	273.0
116.0	82.5°	111.8	102.8	86.1	100.7	110.4	166.0	219.5	234.8	204.2	203.5
52.1	85°	43.8	41.7	47.9	54.9	66.0	102.1	144.5	152.1	125.7	101.4
15.3	87.5°	9.0	9.7	11.8	12.5	20.1	35.4	52.1	63.9	50.7	43.1
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°
1497.5
1553.8
1635.8
1730.2
1837.9
1960.8
2112.3
2276.9
2366.5
2319.9
2194.9
2067.8
1956.7
1850.4
1735.8
1613.5
1505.2
1480.2
1413.5
1296.8
1109.3
955.8
903.7
861.3
839.1
790.4
734.2
666.1
596.7
528.6
458.4
362.6
270.2
193.8
100.0
39.6
0.0

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