

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: P847733

Luminaire Tested: **GLAN-SB4A-722-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847733
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-SB4A-722-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13936 lumens
Efficiency: N/A
Efficacy: 122.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G3

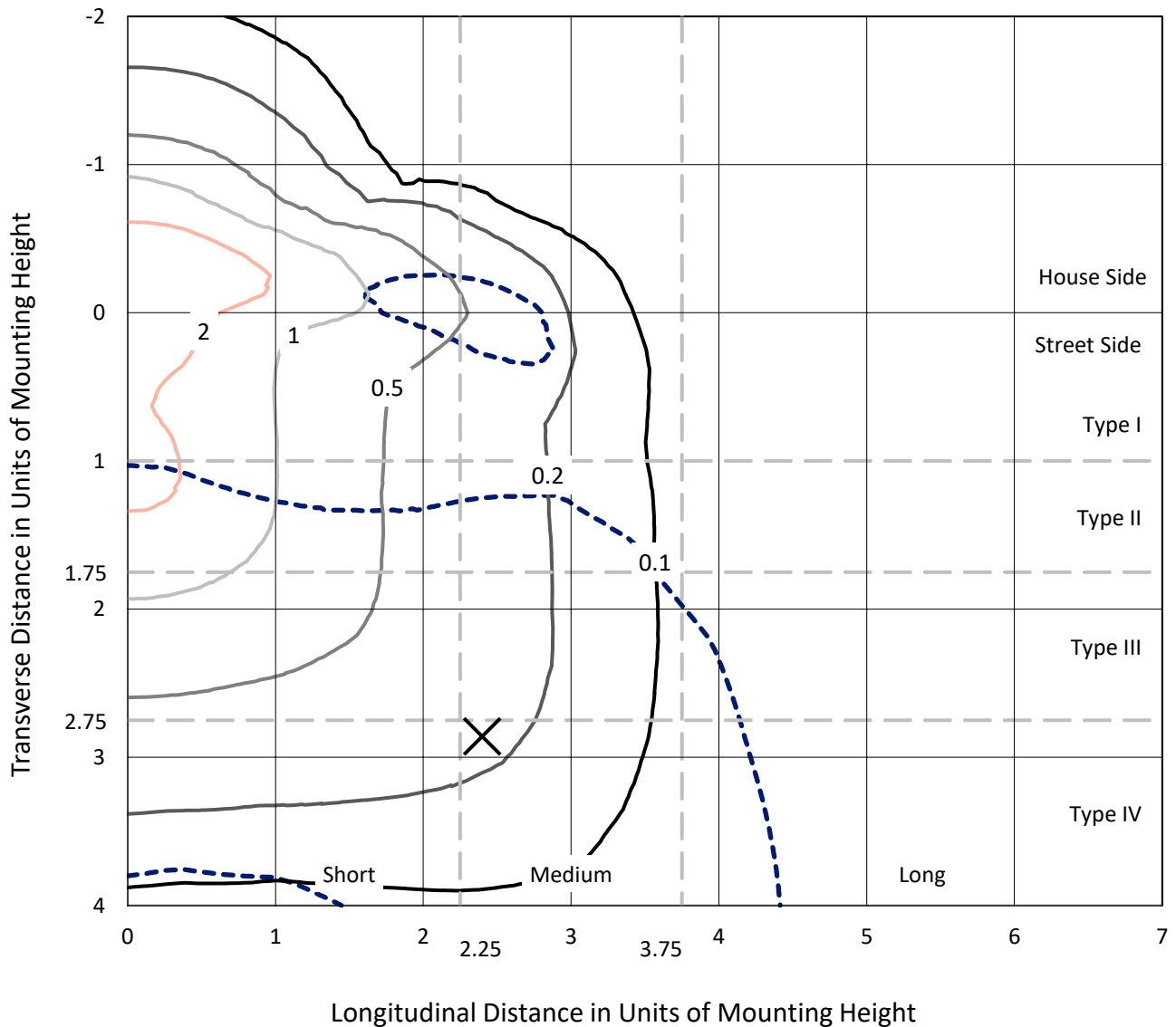
Input Watts (W): 114
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

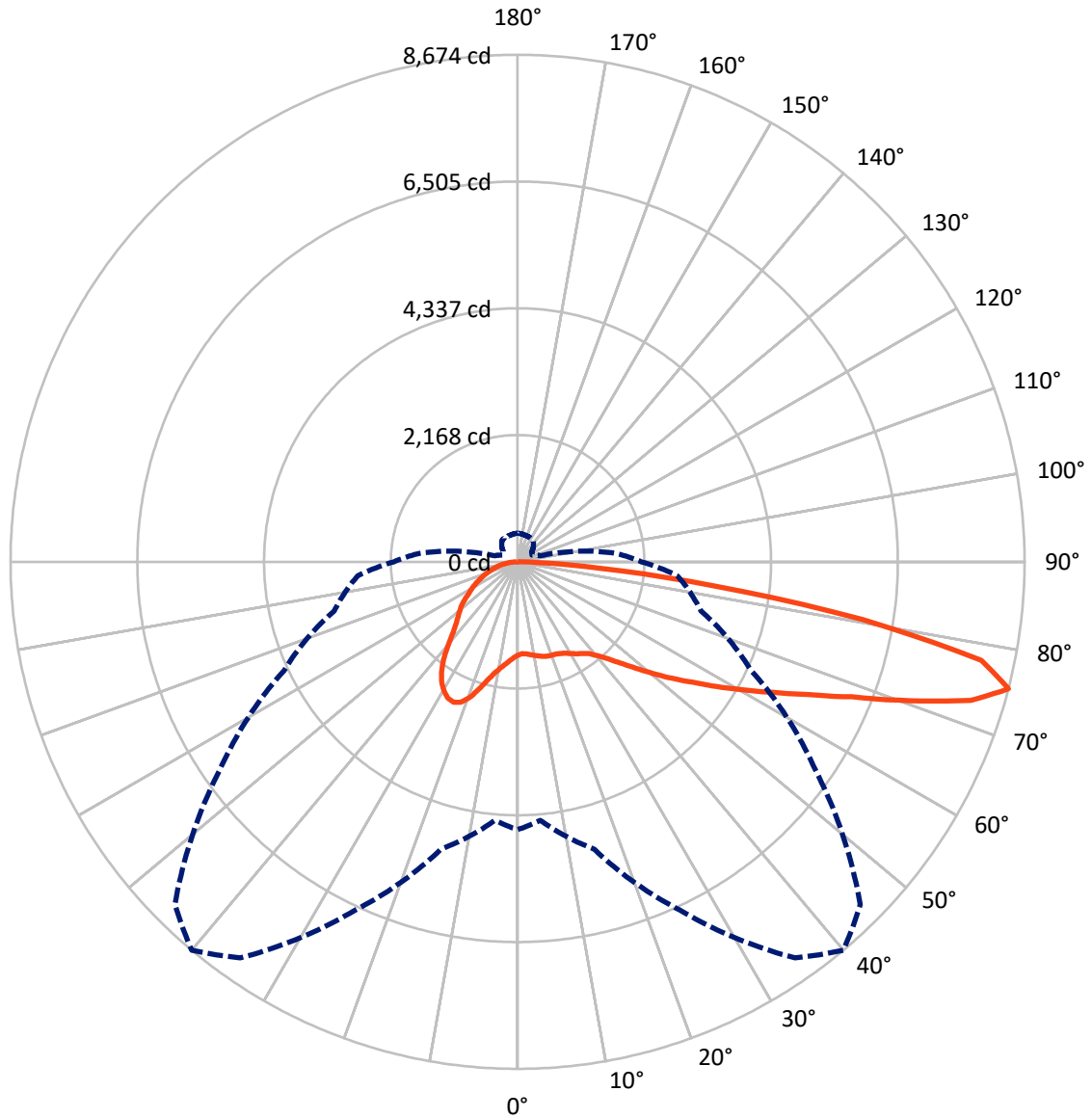
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 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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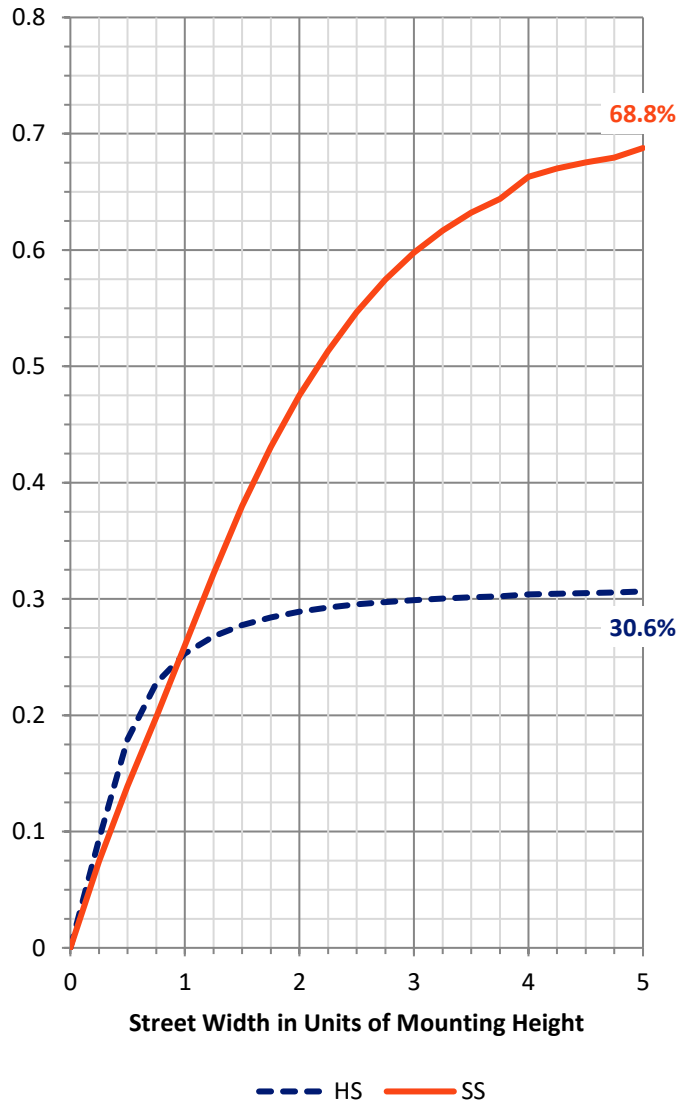
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4317.8	0.0	4317.8
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	9618.2	0.0	9618.2
	% Fixture	69.0	0.0	69.0
Total	Lumens	13936.0	0.0	13936.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.1	1.1
10°-20°	534.1	3.8
20°-30°	975.2	7.0
30°-40°	1383.1	9.9
40°-50°	1867.6	13.4
50°-60°	2512.4	18.0
60°-70°	3188.8	22.9
70°-80°	2894.0	20.8
80°-90°	421.9	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°	13936.0	100.0
0°-180°	13936.0	100.0

Coefficient of Utilization

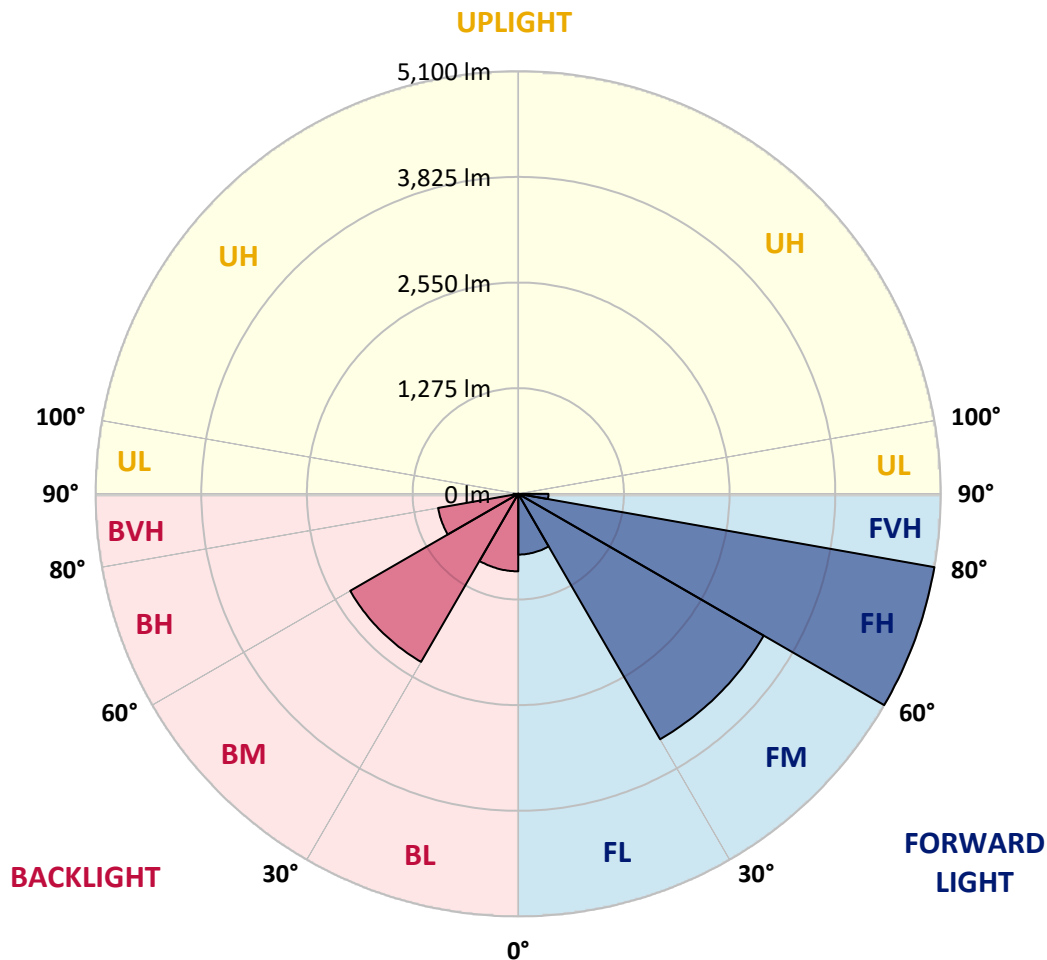


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	733.0	5.3			
FM (30°-60°)	3421.0	24.5			
FH (60°-80°)	5100.4	36.6			G3/7500
FVH (80°-90°)	363.8	2.6			G3/500
BL (0°-30°)	935.3	6.7	B2/1000		
BM (30°-60°)	2342.0	16.8	B2/2500		
BH (60°-80°)	982.4	7.0	B2/1000		G2/1000
BVH (80°-90°)	58.1	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°	1593.6	1593.6	1593.6	1593.6	1593.6	1593.6	1593.6	1593.6	1593.6	1593.6
2.5°	1569.2	1578.1	1575.9	1572.9	1572.9	1573.6	1572.9	1578.1	1583.3	1588.4
5°	1585.5	1594.3	1589.9	1586.2	1583.3	1582.5	1580.3	1579.6	1582.5	1589.2
7.5°	1617.3	1626.1	1619.5	1612.8	1606.9	1603.9	1601.0	1596.6	1594.3	1598.0
10°	1652.7	1661.6	1653.5	1641.6	1632.0	1628.3	1625.4	1620.9	1618.0	1620.2
12.5°	1688.2	1697.1	1686.0	1669.7	1657.2	1654.9	1651.3	1649.8	1649.0	1648.3
15°	1721.5	1728.9	1714.8	1695.6	1682.3	1678.6	1674.9	1677.1	1680.8	1685.3
17.5°	1747.3	1754.7	1734.0	1708.9	1696.3	1694.9	1692.6	1700.0	1710.4	1721.5
20°	1771.0	1778.4	1751.8	1717.8	1703.0	1703.0	1703.7	1719.3	1734.0	1750.3
22.5°	1804.3	1810.2	1777.6	1731.1	1709.6	1711.1	1717.0	1732.6	1751.0	1773.2
25°	1853.8	1858.2	1818.3	1756.2	1731.8	1736.3	1741.4	1748.8	1766.6	1792.4
27.5°	1933.6	1937.3	1884.8	1800.6	1763.6	1771.0	1778.4	1773.2	1781.3	1803.5
30°	2046.0	2048.2	1981.7	1870.0	1817.6	1821.3	1822.7	1801.3	1785.8	1803.5
32.5°	2179.0	2178.3	2099.2	1954.3	1878.9	1875.2	1862.6	1820.5	1784.3	1799.8
35°	2385.2	2377.1	2275.1	2072.6	1948.4	1925.5	1895.9	1842.0	1791.7	1796.1
37.5°	2726.7	2701.6	2560.4	2266.2	2051.9	1993.5	1949.9	1876.7	1808.0	1794.6
40°	3111.8	3080.0	2924.8	2531.6	2207.1	2113.2	2043.0	1926.2	1834.6	1801.3
42.5°	3568.6	3523.5	3356.5	2844.2	2403.7	2267.7	2162.0	1989.0	1873.7	1822.7
45°	4129.6	4069.7	3833.2	3196.8	2651.3	2470.2	2329.1	2084.4	1933.6	1864.1
47.5°	4696.5	4711.3	4375.0	3600.4	2948.5	2720.1	2538.2	2227.8	2020.8	1930.7
50°	5298.9	5309.3	4913.8	4047.6	3285.5	3002.4	2773.3	2388.2	2142.0	2025.3
52.5°	5769.0	5770.5	5403.2	4515.4	3636.6	3312.9	3026.8	2571.5	2282.5	2150.9
55°	6063.2	6059.5	5746.1	4958.2	4040.2	3638.8	3307.7	2779.9	2454.0	2298.7
57.5°	6276.8	6265.7	5982.7	5338.9	4470.4	4023.9	3625.5	3016.5	2656.5	2474.7
60°	6358.1	6351.5	6143.0	5667.8	4922.7	4449.7	3992.1	3281.1	2886.4	2682.4
62.5°	6389.2	6401.7	6300.5	5986.3	5406.9	4921.2	4395.0	3597.4	3145.1	2917.4
65°	6498.6	6521.5	6500.8	6403.2	5953.8	5473.4	4929.4	3973.7	3427.4	3169.5
67.5°	6715.1	6738.1	6746.9	6902.2	6622.0	6161.5	5596.1	4442.3	3757.8	3431.1
70°	6710.0	6703.3	6860.0	7299.1	7458.7	7114.3	6494.9	5018.8	4151.8	3648.4
72.5°	6107.6	6054.4	6424.7	7294.6	8155.0	8109.2	7592.5	5762.4	4491.8	3675.0
75°	4582.0	4440.1	5094.2	6574.0	8271.1	8673.9	8290.3	6223.6	4411.2	3247.1
77.5°	1959.5	1816.8	2587.8	4866.5	7402.6	8108.4	7650.2	5429.8	3521.3	2147.2
80°	513.0	512.2	782.0	2206.4	5034.3	5987.8	5253.1	3506.5	2012.0	767.2
82.5°	212.1	207.0	287.5	858.1	2459.9	3360.2	2742.2	1564.0	726.6	207.7
85°	79.1	78.3	139.7	296.4	867.8	1385.9	1003.0	399.9	181.1	101.3
87.5°	22.2	21.4	30.3	102.7	211.4	320.8	171.5	65.8	51.0	39.9
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°
1593.6	0°	1593.6	1593.6	1593.6	1593.6	1593.6	1593.6	1593.6	1593.6	1593.6	1593.6
1596.6	2.5°	1598.8	1602.5	1609.1	1614.3	1620.9	1628.3	1638.7	1645.3	1652.0	1656.4
1600.3	5°	1605.4	1613.6	1630.6	1647.6	1667.5	1686.0	1707.4	1723.0	1735.5	1739.2
1613.6	7.5°	1620.2	1633.5	1662.3	1691.2	1723.0	1753.3	1784.3	1810.9	1832.3	1840.5
1637.2	10°	1646.1	1663.8	1704.5	1745.1	1787.3	1833.8	1873.7	1912.2	1942.5	1955.0
1665.3	12.5°	1678.6	1700.8	1754.0	1810.2	1868.6	1932.9	1984.6	2031.9	2069.6	2086.6
1704.5	15°	1720.7	1749.6	1817.6	1893.0	1978.7	2068.1	2133.9	2186.4	2228.5	2249.2
1745.1	17.5°	1766.6	1805.0	1890.7	2004.6	2127.3	2244.8	2321.7	2360.1	2403.7	2423.7
1782.8	20°	1810.9	1858.2	1980.9	2146.5	2309.8	2434.7	2496.8	2507.2	2510.1	2512.4
1818.3	22.5°	1856.7	1920.3	2094.0	2325.4	2500.5	2587.0	2595.9	2551.5	2489.4	2460.6
1853.0	25°	1907.0	1991.3	2241.8	2522.7	2664.6	2675.0	2607.0	2499.1	2381.5	2327.6
1881.1	27.5°	1955.8	2073.3	2419.2	2711.2	2782.9	2692.0	2545.6	2392.6	2250.7	2193.8
1901.1	30°	2004.6	2167.2	2615.1	2876.0	2836.8	2649.8	2448.8	2278.0	2135.4	2075.5
1918.8	32.5°	2054.1	2276.6	2840.5	2995.0	2827.2	2560.4	2328.3	2149.4	2023.8	1961.0
1934.3	35°	2110.3	2411.1	3054.2	3060.1	2762.9	2428.8	2169.4	1995.7	1886.3	1836.0
1952.8	37.5°	2183.4	2581.8	3242.6	3076.3	2650.6	2235.9	1972.0	1813.9	1723.7	1700.8
1980.2	40°	2274.4	2787.3	3386.8	3050.5	2484.3	2001.6	1756.2	1629.8	1578.8	1584.0
2017.1	42.5°	2392.6	3017.2	3488.0	2983.9	2252.9	1759.9	1567.0	1510.8	1535.2	1555.9
2072.6	45°	2546.4	3255.9	3550.9	2870.8	1991.3	1555.2	1455.4	1468.7	1487.2	1489.4
2162.0	47.5°	2743.0	3497.6	3592.3	2700.1	1724.4	1411.0	1384.4	1387.4	1383.7	1368.2
2295.8	50°	2988.4	3732.7	3629.2	2473.9	1497.5	1320.9	1285.4	1275.0	1224.0	1173.8
2473.9	52.5°	3267.8	3948.5	3644.7	2193.0	1320.9	1245.5	1187.8	1122.8	1027.4	1011.9
2697.9	55°	3578.2	4148.1	3604.8	1847.9	1172.3	1148.6	1061.4	983.1	972.7	959.4
2992.8	57.5°	3949.3	4363.2	3523.5	1462.8	1020.0	1035.5	950.5	959.4	940.9	920.2
3372.0	60°	4355.1	4585.7	3380.9	1111.7	862.6	894.4	921.7	921.0	915.8	898.8
3771.9	62.5°	4720.2	4732.0	3100.0	851.5	724.4	785.0	859.6	858.9	854.5	844.8
4189.5	65°	4937.5	4709.8	2631.4	670.4	610.5	694.8	775.4	781.3	782.0	781.3
4503.6	67.5°	4899.1	4450.4	1988.3	533.7	516.7	603.1	691.8	700.0	705.9	707.4
4543.5	70°	4464.4	3880.5	1296.5	425.7	433.1	522.6	612.8	620.9	626.1	632.0
3942.6	72.5°	3479.9	2853.1	742.1	344.4	360.0	453.1	534.4	544.0	547.0	558.1
2743.7	75°	2120.6	1677.9	400.6	271.3	295.7	387.3	456.8	467.9	473.1	486.4
1347.5	77.5°	1008.2	726.6	228.4	211.4	238.0	316.4	385.8	398.4	384.4	391.7
371.8	80°	340.7	269.8	144.1	161.1	181.8	246.9	309.0	321.5	292.0	290.5
123.4	82.5°	119.0	109.4	91.7	107.2	117.5	176.7	233.6	249.8	217.3	216.6
55.4	85°	46.6	44.3	51.0	58.4	70.2	108.7	153.7	161.9	133.8	107.9
16.3	87.5°	9.6	10.3	12.6	13.3	21.4	37.7	55.4	68.0	54.0	45.8
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°
1593.6
1653.5
1740.7
1841.2
1955.8
2086.6
2247.7
2422.9
2518.3
2468.7
2335.7
2200.4
2082.2
1969.1
1847.1
1717.0
1601.7
1575.1
1504.2
1380.0
1180.4
1017.1
961.6
916.5
892.9
841.1
781.3
708.8
634.9
562.5
487.8
385.8
287.5
206.2
106.4
42.1
0.0

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